



Arizona Department of Transportation

Environmental Planning

Final Atypical Events Report

SR 303L

Lake Pleasant Parkway to Interstate 17

Federal Project No. 303-A(230)T & 303-A(229)T

ADOT Tracs No. F0562 01D & F0561 01D

March 10, 2025

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The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by ADOT pursuant to 23 U.S.C. 326 and a Memorandum of Understanding dated December 20, 2023, and executed by FHWA and ADOT.

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Introduction

This report aims to provide the United States Environmental Protection Agency (U.S. EPA) with a robust rationale for the exclusion of eight specific dates from the State Route 303 Loop (Loop 303) between Lake Pleasant Parkway and Interstate 17 (I-17) background particulate matter (PM) concentration data. These dates stand out as atypical when compared to the air quality levels and meteorological conditions of the project site. Consequently, the U.S. EPA seeks justification for categorizing these dates as atypical events that warrant their removal from the background concentration analysis.

This report demonstrates that these dates and their instances of exceeding the National Ambient Air Quality Standards (NAAQS) for 24-hour particulates measuring 10 microns or less (PM₁₀) should be disregarded in the projects' PM₁₀ background concentration calculations and the projects assessments of NAAQS exceedance or violations. This recommendation is made due to the dates' air quality characteristics being unique and uncontrollable due to meteorological conditions, which distinguishes them from typical conditions at the project site. This report provides an introductory summary of the project and the regulatory purpose of the report, the projects calculated PM₁₀ background concentrations before and after removing the dates considered atypical to that of standard air quality conditions, and a description of the dates meteorological and air quality conditions that occurred and resulted in 24-hour PM₁₀ NAAQS exceedance.

1.0 Project Description

The Arizona Department of Transportation (ADOT) Project No. 303 MA 136 F0562 01C (F0652) is planning to add a third general-purpose lane (GPL) in each direction on the State Route 303 Loop (Loop 303) between Lake Pleasant Parkway and Interstate 17 (I-17), as well as direct-connecting system ramps to and from Loop 303 to I-17. The project limits on Loop 303 are between milepost (MP) 136.00 near 51st Avenue to the Loop 303/I-17 interchange, and along I-17 between MP 220.65 near Dixileta Drive and MP 223.30 near Dove Valley Road within the City of Phoenix, in Maricopa County, Arizona. Temporary traffic control would extend 2 miles west along SR 303L, 1 mile north and south along I-17, and 1 mile east along Sonoran Desert Drive. In addition, spot overhead traffic sign installation improvements would occur on I-17 at MP 219.24 and MP 224.91.

The project would occur within the existing ADOT right-of-way (ROW) through private lands and ADOT easement through State Trust lands. No new ROW, easement, or temporary construction easements are required. Construction funding for this project has not yet been planned. If obtained, construction could begin as early as spring 2025 and is expected to take approximately two years.

Several northwest valley communities, including those along the Loop 303 corridor, have been identified as among the fastest growing in the region. New residential and commercial growth along the Loop 303 and I-17 corridors is contributing to increasing traffic congestion in this area. Loop 303 serves as one of the main travel routes in the west valley, stretching for approximately 35 miles from the City of Goodyear to I-17, where it becomes Sonoran Desert Drive. This section of Loop 303 was built in 2011 as an interim facility with two 12-foot lanes in each direction of travel and a wide unpaved median, with the intention to increase capacity over time. The purpose of this project is to continue the planned expansion of the existing Loop 303 to meet future travel demands of this region, provide congestion relief for I-17 and surrounding communities, and accommodate the expanding business, residential, and economic area growth that is expected.

Construction-related impacts would include vehicles slowing through the project limits due to adjacent work being completed on the shoulders and roadway. It is anticipated that at least two lanes of traffic in each direction would remain open during widening and paving operations on Loop 303 and I-17. Roadway closures along Loop 303 and I-17 are anticipated during construction of the bridges, and detours to accommodate the closures will be likely. Closures of the I-17 mainline would be restricted to nighttime and non-peak hours and are expected primarily during the construction of the Loop 303/I-17 ramp connections. Detours would be along Dove Valley Road, Sonoran Desert Drive, N Valley Parkway, and 43rd Avenue roads. The project would be constructed in phases to minimize roadway closures where possible.

In addition to adding a third GPL along Loop 303, ADOT Project No. 303 MA 131 F0561 01C (F0561) is proposing a roadway widening project on Loop 303 from MP 131.2 to MP 136.6 in the City of Peoria and City of Phoenix, Maricopa County, Arizona. The project would occur within ADOT ROW and ADOT easement on ASLD and Bureau of Reclamation lands. Loop 303 consists of two 12-foot through lanes in each direction with 10-foot minimum outside shoulders and 12-foot minimum inside shoulders. The purpose of this project is to increase capacity on Loop 303 by adding a GPL to provide a total of three 12-foot lanes in each direction.

No new ROW, easement, or temporary construction easements will be required for the project. Staging/stockpiling areas have yet to be determined and will be the responsibility of the contractor. Temporary lane closures and/or lane shifts will be necessary during construction. Temporary traffic control signing will be utilized to alert the travelling public of the upcoming traffic changes. The construction start date is dependent on funding. Once a funding source has been established, additional

schedule information will be developed and distributed during final design. The anticipated construction duration is approximately 14 months.

F0562 and F0561 are within the same general Loop 303 project area and may be bid together. These projects are within the Phoenix CO maintenance area and a nonattainment area for PM₁₀. Though these projects are split, a combined proposed project is included in the Maricopa Association of Governments (MAG) Regional Transportation Plan (RTP) MOMENTUM 2050. In addition, the combined project is included in the FY 2022-2025 MAG Transportation Improvement Program. Therefore, in coordination with the U.S. EPA, for the purposes of air quality analysis and the atypical events report, these two projects will be evaluated for atypical event consideration of the combined projects background concentration in one document.

2.0 Regulatory Standards

Per U.S. EPA guidelines, specific transportation projects now necessitate a quantitative assessment of PM₁₀ impacts in proximity to roadways. This PM hotspot evaluation entails includes estimating the background PM₁₀ concentration levels associated with all sources not explicitly included in the modeling for the project. In part, this estimation involves using a 3-year dataset of historical air quality information to establish the PM₁₀ background value. This calculated background value is then added to the project's modeled PM₁₀ values to determine if the project's emissions might result in exceeding the National Ambient Air Quality Standards (NAAQS). Should the background concentration surpass the NAAQS, a build versus no-build project analysis becomes necessary.

40 CFR Part 51, Appendix W, section 8.3 and Hot Spot Guidance Section 8 provide recommendations for determining an appropriate background concentration. 40 CFR Part. 51 (A 2019 clarification memo, "Additional Methods, Determinations, and Analyses to Modify Air Quality Data Beyond Exceptional Events" (available at <https://www.epa.gov/air-quality-analysis/clarification-memo-additional-methods-determinations-and-analyses-modify-air>) confirms the applicability of that CFR section to transportation conformity hot spot analyses.) Appendix W, Section 8.3.2 recommends that for many cases, the current design value at a nearby, representative monitoring station is the best starting point for a background concentration. However, there may be cases where the current design value is not appropriate. Section 8.3.2.c.ii specifies there may be circumstances which would necessitate modifications to the background concentrations, stating that "[s]uch cases could include removal of data from specific days or hours when a monitor is being affected by activities that are not typical or not expected to occur again in the future (e.g., construction, roadway repairs, forest fires, or unusual agricultural activities). Such adjustments would make the monitored background concentrations more temporally and/or spatially representative of the area around the new or modifying source for the purposes of the regulatory assessment." The data used to determine the background concentration includes 24-hour average pollutant levels and annual means, excluding atypical air quality events. If the chosen 3-year period for determining the project's background concentration encompasses atypical air quality such events, data affected by those events can be excluded from the analysis. This is done to mitigate the influence of outliers unrepresentative in air quality events on the determination of the background concentration of an area data stemming from uncontrollable air quality events, which could lead to NAAQS exceedances¹.

EPA Region 9 recommends examining several criteria for determining whether a high-wind dust event is appropriate to exclude from a project's background concentrations:

1. Hourly and 24-hour average PM₁₀ exceedances at multiple air monitors in the specified areas indicating it's a regional air quality event.
2. Windspeed conditions greater than 25 mph consistent with an increase in hourly PM₁₀
3. Reduced visibility to less than 10 miles consistent with increases in hourly PM₁₀ concentrations.
4. National Weather Service (NWS) wind/dust advisories consistent with an increase in hourly PM₁₀ concentrations.
5. Summaries of dust complaints and/or notices of PM₁₀ violations; if dust complaints are received, or dust complaints do not involve anthropogenic source(s) located upwind of an exceeding monitor.

This document regards the eight requested days as atypical in their meteorological and PM₁₀ characteristics and proposes their removal from the PM "hot spot" background concentration for the project.

¹ U.S. EPA, Guidelines on Air Quality Models, 40 CFR Appendix-W-to-Part-51 8.08.3.2.

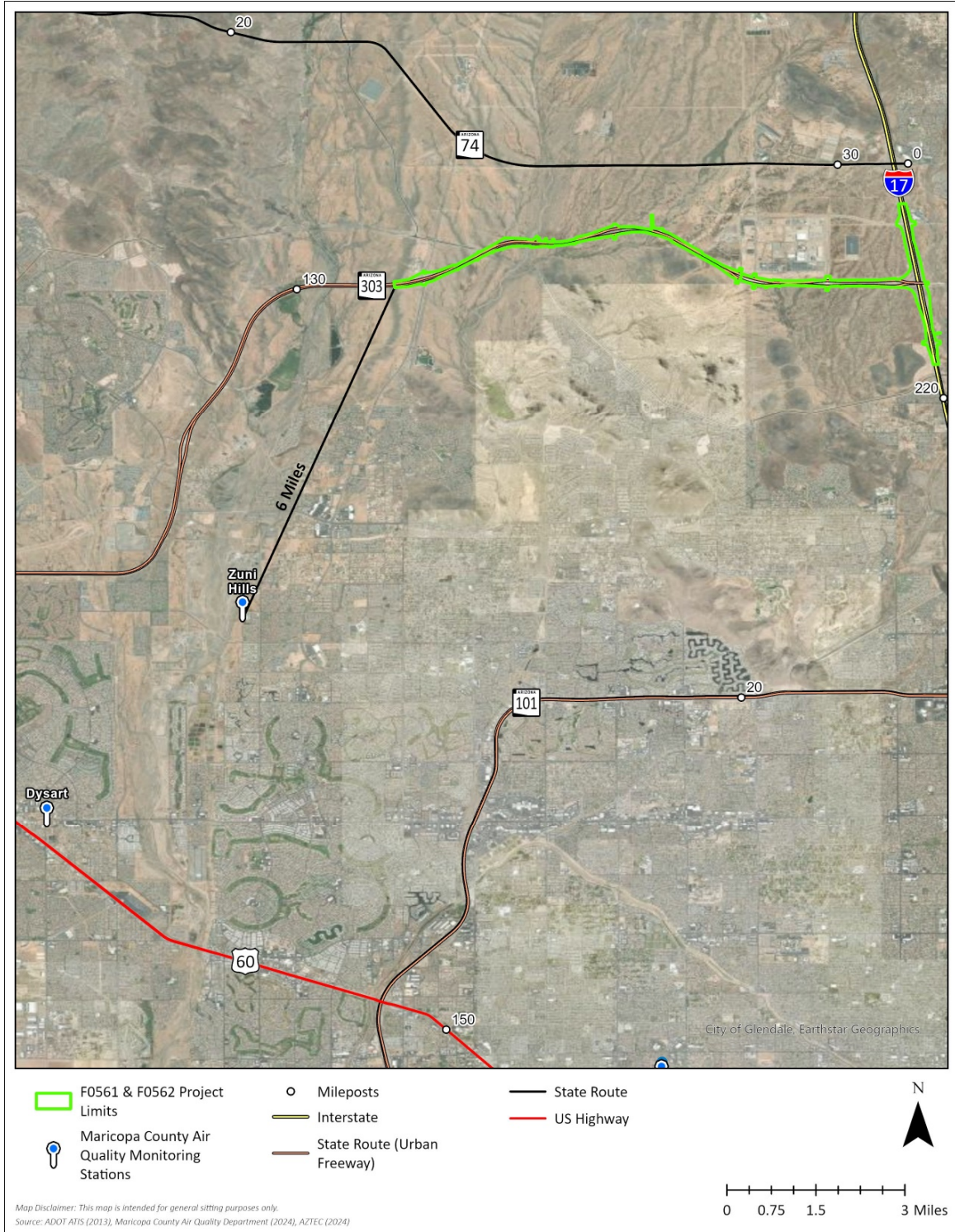
The days identified are proposed to be considered atypical events, due to the occurrence of high wind conditions and dust storms. ADOT justifies that it is inappropriate to consider these days when calculating the project's hot spot analysis background PM₁₀ concentrations. To provide justification for exclusion of these dates, the report discusses air pollution forecasts issued by Arizona Department of Environmental Quality (ADEQ), NWS historical weather forecasts, National Oceanic and Atmospheric Association (NOAA) weather station data, and 24-hour average PM₁₀ concentrations for air quality monitoring stations in the general Phoenix metropolitan area (Phoenix Area).

Maricopa County Air Quality Department (MCAQD), as the designated air quality reporting agency for the SR 303L project, has provided air quality monitoring data for the dates discussed in this report, accessible in **Appendix A**. MCAQD's data has been utilized as a point of reference for the dates under consideration as atypical in this summary report. Details on these dates are provided in **Section 4.0**.

3.0 Project PM₁₀ Background Concentrations, Without Removing Atypical Events

There is one monitor in the vicinity of the project site. The Zuni Hills PM monitor (Zuni Hills) is approximately 6 miles southwest from the project. **Figure 1** identifies the project location below.

Figure 1. Project location map and proximity to Zuni Hills monitor station.



Using the U.S. EPA's Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM_{2.5} and PM₁₀ Nonattainment and Maintenance Areas, the project's background PM₁₀ levels were calculated for 2021 through 2023 at Zuni Hills Monitoring Station. **Table 1** shows the number of completed monitoring days and highest 24-hour typical readings for 2021 through 2023 for Zuni Hills.

Using the U.S. EPA's Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM_{2.5} and PM₁₀ Nonattainment and Maintenance Areas, the 4th highest PM₁₀ reading each year between 2021 and 2023 were selected for this project.

Table 1: Project Monitoring station Highest 24-hour PM ₁₀ Readings, Without Removing Atypical Events			
Zuni Hills Station			
Data Year	2021	2022	2023
Number of Readings	361	365	365
1 st	142*	126	129
2 nd	122	116	125
3 rd	110	107	120
4 th	248	167	146
Source: https://www.epa.gov/outdoor-air-quality-data/download-daily-air-quality-data, https://www.epa.gov/outdoor-air-quality-data/download-daily-air-quality-data			
Note: *4 th highest 24-hour readings are highlighted in red, without removing atypical events.			

Table 1 shows that without considering atypical events, the Zuni Hills monitor's 4th highest value over three years (2021-2023) is 142 µg/m³. This comes from a total of 1091 days of sampling.

The predicted background concentration, without removing atypical events, of the project is 142 µg/m³.

Per 40 CFR 50, Appendix K, the Maricopa County NAAQS threshold for PM₁₀ 24-hour average concentration threshold is 150 µg/m³. As such, the predicted PM₁₀ background concentration does not exceed the PM₁₀ NAAQS threshold. **Table 2** compares the background concentration to the PM₁₀ NAAQS threshold.

Table 2: PM ₁₀ NAAQS Threshold & Projects Calculated Background PM ₁₀ Concentrations			
Zuni Hills Station			
4 th Highest 24-hour Average PM ₁₀ Concentration without Atypical Event Data Exclusion (µg/m ³)	PM ₁₀ National Ambient Air Quality Standards (NAAQS)	Difference (µg/m ³)	Exceeds Threshold?
142	150	8	No

As shown in **Table 2**, the project PM₁₀ background concentrations are close to exceeding the PM₁₀ NAAQS threshold, without removing atypical event day data from the analysis. This can be attributed to dates within the three-year evaluation period (2021 – 2023) being classified as atypical events (weather conditions attributing to high PM₁₀ concentrations). As such, the background concentration levels that include atypical event data during this three-year period are unrepresentative of the projects average PM₁₀ background concentration and should not be included in the projects PM₁₀ background concentration calculations.

4.0 Atypical Event Days

Hourly and daily PM₁₀ data for the years 2021 through 2023 was obtained from air quality monitors in the general Phoenix Area from the EPA AirData website to be evaluated for the projects PM₁₀ background concentration calculations. Within these three years of data, the following dates are being proposed to be considered as atypical events:

- July 10th, 2021
- October 11th, 2021
- October 12th, 2021
- September 2nd, 2022
- October 3rd, 2022
- July 21st, 2023
- July 26th, 2023
- August 31st, 2023

The dates above are being proposed to be excluded from the projects PM₁₀ background concentration calculations per guidelines listed in 40 CFR Part 51, Appendix W, Section 8.3.2.c.ii for the 40 CFR Part 53 transportation conformity portion of the project. Monitoring data for these eight days proposed to be removed was obtained from MCAQD's monitoring records and EPA and was reviewed to ensure that it meets the U.S. EPA's 75% data completeness criteria². **Table 3** summarizes the days recommended for exclusion due to atypical-type events.

The 8 days proposed for removal from the background concentration analysis are considered atypical in nature because they fit the EPA Region 9's 5-criteria for the data background modification of atypical events (Section 2.0). For the days proposed, Zuni Hills and other surrounding monitoring sites showed hourly and 24-hour average PM₁₀ NAAQS exceedances, and the Phoenix Area's windspeed conditions were recorded to be greater than 25 mph. The high wind conditions time series data recorded on these dates coincides with an increase in hourly PM₁₀ concentrations throughout the Arizona region. These increases in PM₁₀ concentrations are consistent with reduced visibility to less than 10 miles as identified in NWS, NOAA Storm Event Reports, ADEQ pollution reports, wind dust advisories, dust complaints received, and notices of PM₁₀ violations.

The Zuni Hills monitor, chosen as the project's background monitor, did not record PM₁₀ NAAQS exceedances on every exceedance day listed for Maricopa County between 2021 and 2023. However, given the regional nature of these atypical events, even on exceedance days which Zuni Hills did not exceed NAAQS, the PM₁₀ concentrations at this site may not reflect its typical background concentrations. This is because elevated PM₁₀ concentrations were recorded across the Phoenix Area during these atypical events, as documented by other monitors that did record exceedances on those dates. As such, to accurately demonstrate the regional nature and widespread impact of these atypical events, data from other regional monitors will be reviewed on days that Zuni Hills monitor did not exceed, to properly distinguish typical background levels from the atypical event-driven exceedance anomalies noted for these dates throughout Maricopa County. Wind and PM₁₀ concentration data at Zuni Hills monitor and additional monitors is provided and discussed, to demonstrate the impact of the atypical weather conditions not only on the Phoenix Area, but on the background concentration at Zuni Hills monitor for each date being proposed as atypical.

² U.S. EPA, Office of Air Quality Planning and Standards, Guideline on Data Handling Conventions for the PM NAAQS, April 1999, Table 8-1. Accessed September 17th, 2023. https://www3.epa.gov/ttn/naaqs/aqmguides/collection/cp2/19990401_oaqps_epa-454_r-99-009_guideline_data_handling_pm_naaqs.pdf

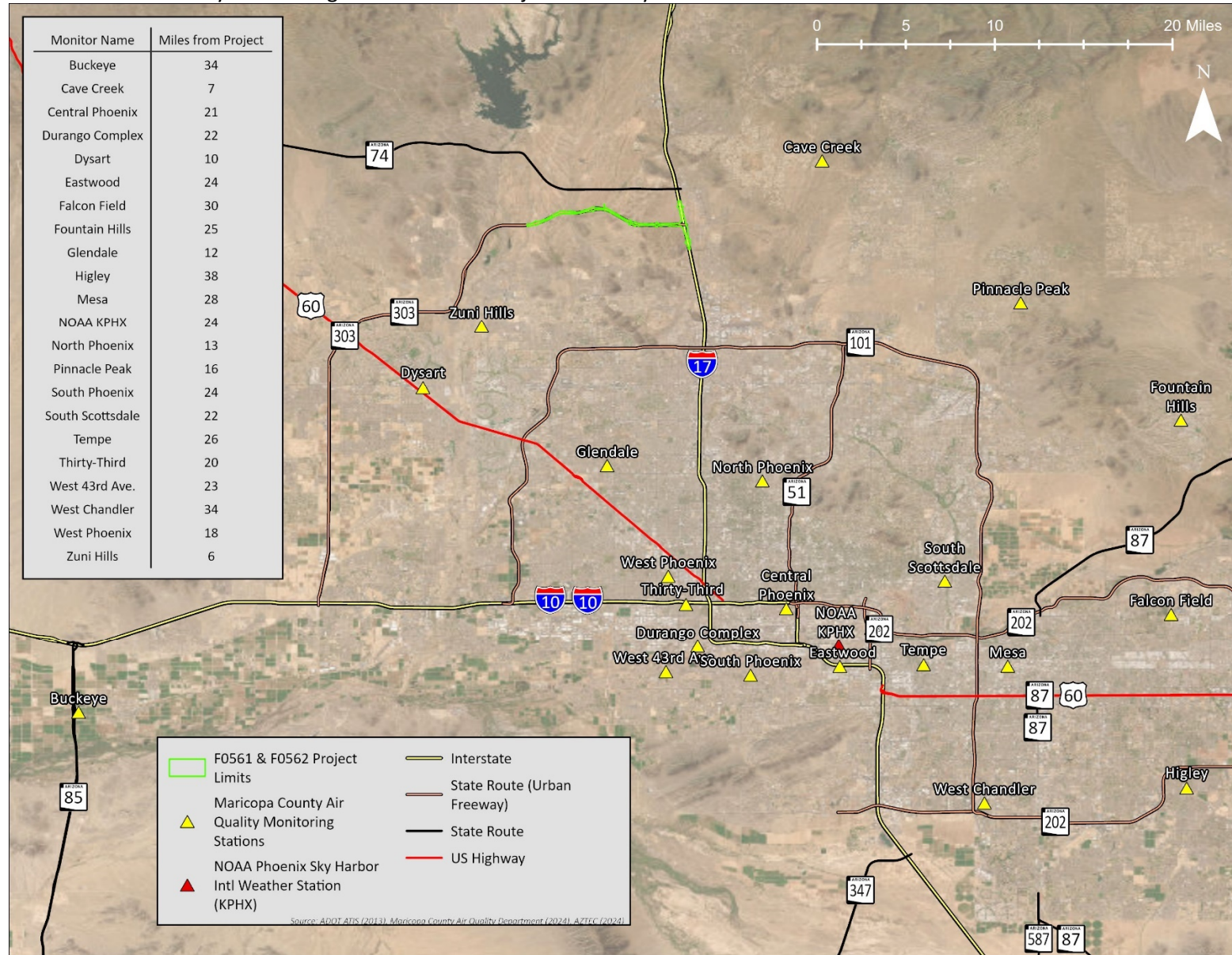
Table 3 lists Zuni Hills monitor PM₁₀ concentrations for each of the days discussed in this report, and additional monitors that exceeded 24-hour average PM₁₀ NAAQS on these dates in Maricopa County.

July 9th, October 11th and 12th, 2021 have already been deemed atypical from another Atypical Events Report, F0124, for the SR 202L Val Vista to SR 101L Project (SR 202L), which EPA agreed upon on September 28th, 2023. These dates are still discussed in this report in relation to the Zuni Hills monitor and the current project's background concentration but given the widespread nature of the weather conditions occurring on these dates leading to atypical event consideration, the data discussed for these monitors remains the same as the previous report.

Table 3: Zuni Hills and Other Monitor stations PM ₁₀ NAAQS Atypical Events Days Data					
Station	Date	24-hour Average PM ₁₀ Concentration (µg/m ³)*	PM ₁₀ NAAQS Exceedance	Identified as a potential Atypical Event	Other Monitors that Exceeded NAAQS on this date (PM ₁₀ values)
Zuni Hills Monitor	7/10/2021	248	Yes	Yes**	Dysart (170.4)
					Glendale (173.0)
	10/11/2021	122	No	Yes**	Buckey (259.0)
					Dysart (155.9)
					West Chandler (160.9)
	10/12/2021	142	No	Yes**	Higley (219.8)
					West Chandler (181.5)
					South Scottsdale (180.7)
					Durango Complex (163.3)
					Mesa (170.4)
					Central Phoenix (170.9)
					Tempe (158.9)
					West 43 rd Street (166.6)
	9/2/2022	167	Yes	Yes	Dysart (206.7)
					Higley (160.7)
	10/3/2022	116	No	Yes	West 43 rd Avenue (316.8)
	7/21/2023	125	No	Yes	West 43 rd Street (216.9)
	7/26/2023	120	No	Yes	Higley (165.3)
	8/31/2023	129	No	Yes	Central Phoenix (207.0)
Durango Complex (319.2)					
Dysart (194.7)					
West Phoenix (182.4)					
Source: U.S. EPA Outdoor Air Quality Data, Download Daily Air Quality Data, https://www.epa.gov/outdoor-air-quality-data/download-daily-data					
Notes:					
*Highest 24-Hr average PM ₁₀ concentration reading identified during 3-year period’s potential atypical events days.					
** Previously approved SR 202L project atypical events report dates					

The data from nearby monitors, with 1-hour and 5-minute PM₁₀ concentrations provided in **Appendix A**, was flagged for high PM₁₀ concentrations on the atypical events days, indicating that the atypical air quality events were widespread and regional in nature. **Figure 2** shows the MCAQD monitors proximity to the project site, and NOAA Phoenix Sky Harbor International Airport Weather Station (NOAA KPHX).

Figure 2. MCAQD's Air Quality Monitoring Stations within Project Proximity



Windspeed data from NOAA KPHX was used to show that atypical events occurred over the entire Phoenix Area, including the Zuni Hills monitor, the project site, and other MCAQD monitors with recorded NAAQS exceedances. While some dates did not show PM₁₀ levels or wind speeds over 25 mph at Zuni Hills, data from NOAA KPHX confirmed sustained wind speeds and wind gusts over 25 mph, along with reduced visibility due to blowing dust and haze. This KPHX data and MCAQD monitoring site data supports the conclusion that atypical events influenced air quality across the Phoenix Area on these dates.

Appendix A includes maximum hourly sustained wind speed and wind gust data for the dates being proposed as atypical at each of MCAQD's monitors discussed in this report. To demonstrate that all eight dates meet the atypical event criteria of windspeeds exceeding 25 mph, **Table 4** presents the selected days maximum sustained windspeeds and gust speeds from the NOAA KPHX monitoring data. For more detailed NOAA KPHX data referenced in **Table 4**, please refer to **Appendix B**.

Table 4: NOAA Phoenix Sky Harbor Station (WBAN:23183) Windspeed for Atypical Events Days					
Date	Max Wind Gust Speed (mph)	Time Recorded	Max Sustained Windspeed (mph)	Time Recorded	Maximum sustained wind or windspeed > 25 mph?
7/10/2021	41	8:10 P.M.	35	8:15 P.M.	Yes
10/11/2021	46	10:44 P.M.	29	10:45 P.M.	Yes
10/12/2021	37	12:51 A.M.	28	12:25 A.M.	Yes
9/2/2022	33	10:40 P.M.	23	10:40 P.M.	No
10/3/2022	58	4:51 P.M.	40	4:40 P.M.	Yes
7/21/2023	46	11:05 P.M.	35	10:55 P.M.	Yes
7/26/2023	43	9:51 P.M., 9:57 P.M., 10:20 P.M., 10:25 P.M.	29	10:19 P.M.	Yes
8/31/2023	73	8:51 P.M., 9:02 P.M.	49	8:59 P.M.	Yes
Source: U.S. Department of Commerce National Centers for Environmental Information National Oceanic & Atmospheric Administration, <i>National Environmental Satellite, Data, and Information Service for Phoenix Airport Station, AZ US WBAN:23183 (ICAO:KPHX), Local Climatological Data - Hourly Observations for, 7/9/21, 7/10/21, 7/12/21, 10/11/21, 10/12/21, 9/2/22, 10/3/22, 7/26/23, & 8/31/23</i> . https://www.ncdc.noaa.gov/cdo-web/datasets/LCD/stations/WBAN:23183/detail					

Meteorological conditions, beyond human control (nonanthropogenic sources) – such as high temperatures, low precipitation, atmospheric pressure changes, wildfires, and strong winds – can lead to PM₁₀ emissions spikes. Consequently, the dates discussed in this summary report are characterized by a combination stormy weather, strong winds, dust storms, thunderstorms, drought, or heat wave conditions which led to naturally occurring, uncontrollably elevated regional and project PM₁₀ background concentrations. As such, these dates are subject to atypical event review per 40 CFR Part 51, Appendix W, Section 8.3.2.c.ii..

July 10th, 2021, Atypical Event

Summer monsoon storm activity resulting in a high wind event consisting of a widespread blowing dust throughout the Phoenix Area occurred on July 10th, 2021, with wind speeds reaching up to 35 mph at NOAA KPHX (**Table 5**). Three MCAQD monitoring sites exceeded the 24-hour average PM₁₀ NAAQS on this date including Zuni Hills, Dysart, and Glendale.

Wind gusts and high winds up to 83 mph in Maricopa County were reported throughout the day on NOAA's SPC Storm Report Page³. The previous day (July 9th, 2021), blowing dust, high windspeeds, and heavy rainfall were recorded as well, because of an inversion layer producing monsoon-like storm conditions in the Phoenix Area. These storm conditions began on July 9th, 2021, and passed through the Phoenix Area for 2 days, resulting in high windspeeds being recorded at NOAA KPHX, and MCAQD monitors throughout the Phoenix Area on the evening of July 9th, into the early morning of July 10th, and throughout the day on July 10th.

During this period, high wind speeds were recorded at NOAA's KPHX station and MCAQD monitors throughout the Phoenix area, from the evening of July 9th through the early morning of July 10th and continuing throughout the day on July 10th. Specifically, wind gusts at the NOAA Phoenix Sky Harbor station reached a maximum of 41 mph at approximately 8:00 P.M. on July 10th, 2021. However, high wind speeds were also observed earlier that same day, with wind speeds recorded at 18 mph at 12:20 A.M. on July 10th, 2021.

In addition to wind speed and wind gust increases due to the storm conditions, PM₁₀ concentrations increase at Zuni Hills and Dysart monitors the evening of the 10th. The two closest monitors to the project site were analyzed for this date's inclusion in this report, but it is important to note that the Glendale monitor also exceeded 24-hour average PM₁₀ NAAQS on this day, with a 24-hour average PM₁₀ concentration of 173 µg/m³ recorded, showing the widespread nature of the storm conditions resulting in PM₁₀ exceedances. PM₁₀ exceedances were recorded in the early morning of July 10th, and then began to increase again in the evening, at the time that the highest windspeeds of the day were recorded. **Table 5** below shows Zuni Hill's and Dysart monitoring site's 24-hour PM₁₀ average, max hourly average windspeed, and max wind gust for July 10th, 2021.

Table 5: Windspeed and PM₁₀ Data for July 10th, 2021					
Site	24-hour average PM₁₀ (µg/m³)	Max Hourly-Averaged Windspeed (MPH)	Time	Max Wind Gust (MPH)	Time
Zuni Hills	248*	18.7	7:50 P.M.	18	7:50 P.M.
Dysart	170.4*	17.6	8:00 P.M.	18.1	8:00 P.M.
Source: Maricopa County Air Quality Departments (MCAQD) Air Quality Planning & Analysis Division, Zuni Hills and Dysart Monitor Data for July 10 th , 2021.					
Notes: *Measurement exceeds PM ₁₀ NAAQS.					

As shown in **Table 5**, the highest recorded windspeeds, wind gusts at Zuni Hills and Dysart monitors for July 10th, 2021, occurred around 8:00 P.M. High winds and elevated PM₁₀ levels were also noted on the evening of July 9th, 2021, leading into the early morning of July 10th, 2021. As windspeeds increased, PM₁₀ levels continued to rise at the Zuni Hills and Dysart monitors, resulting in PM₁₀ exceedances being

³SPC Event Archive: July 10, 2021, NOAA, Storm Prediction Center,
<https://www.spc.noaa.gov/exper/archive/event.php?date=20210710>.

recorded for July 10th, 2021, in the early morning, and the highest windspeeds being recorded the following evening. **Figures 3 and 4** show the 5-minute windspeed and PM₁₀ recorded at Zuni Hills and Dysart monitors on July 10th, 2021.

Figure 3: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Dysart monitor on July 10th, 2021.

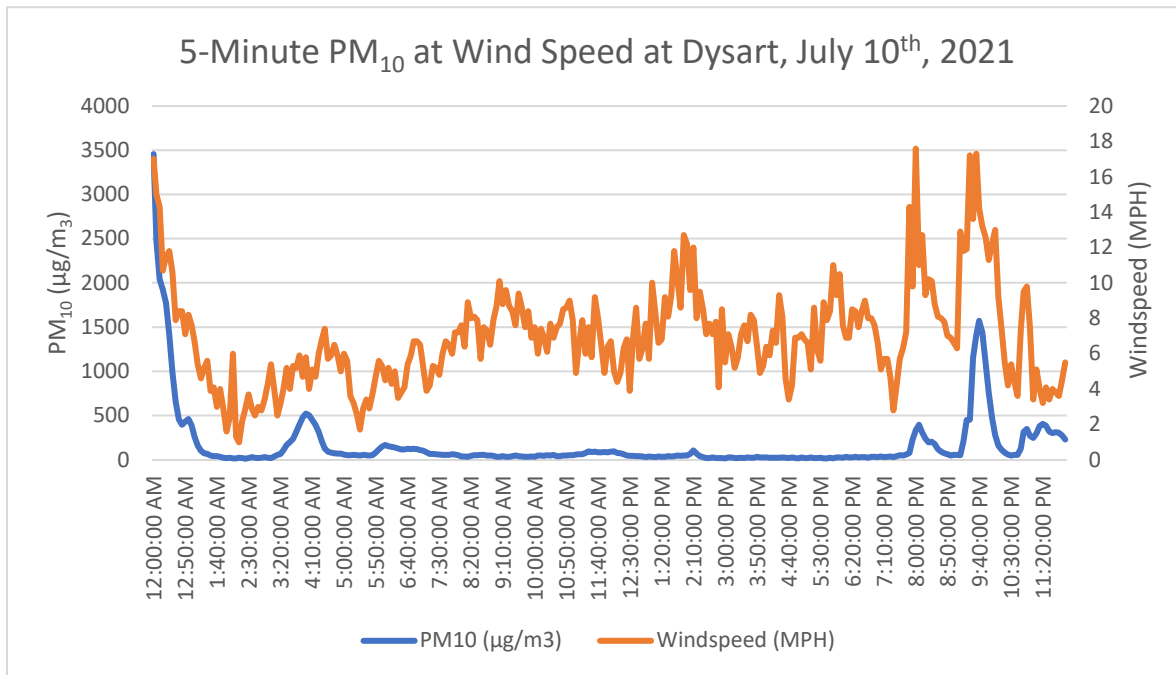
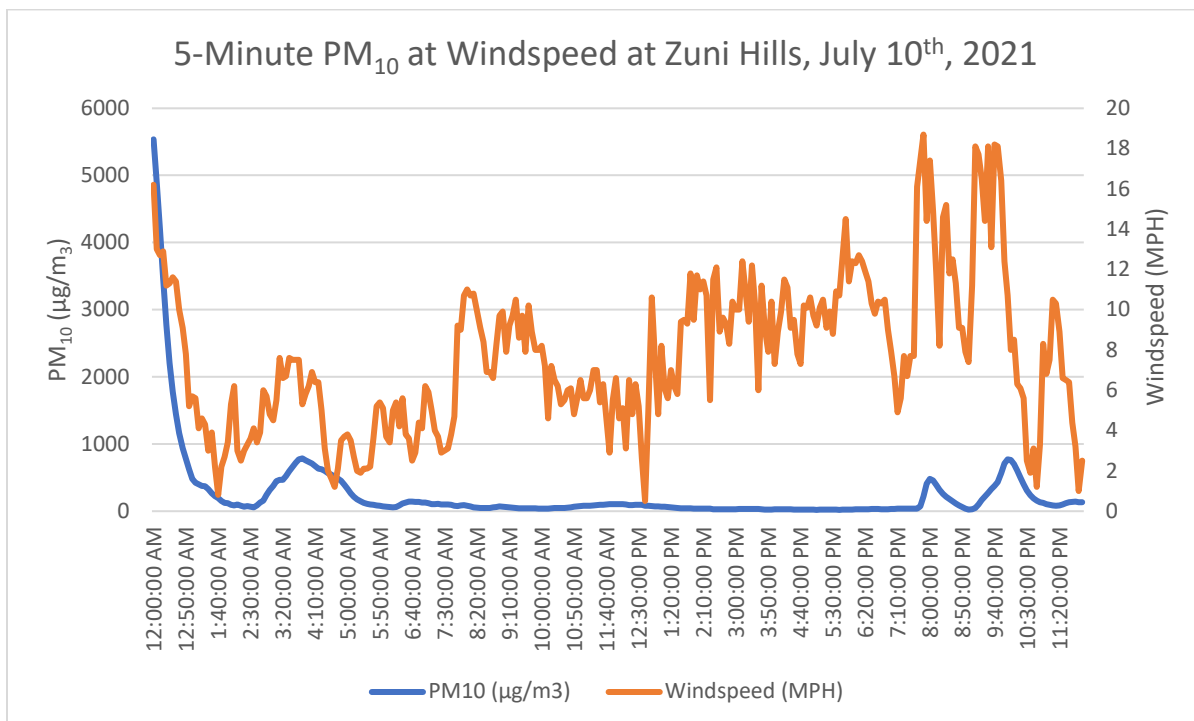


Figure 4: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Zuni Hills monitor on July 10th, 2021.



Figures 3 and 4 show that as windspeeds increased on July 10th, 2021, at the Dysart and Zuni Hills monitors, 5-minute PM₁₀ concentrations rose relatively as well, indicating dust storm activity. Additionally, in the early morning of July 10th, there are increased windspeeds and PM₁₀ levels, indicating that dust storm conditions noted on July 9th, 2021, continued into the early morning of July 10th, 2021. Although 5-minute windspeeds at Zuni Hills and Dysart monitors did not exceed greater than 25 mph, the increase in PM₁₀ levels resulting in a NAAQS exceedance follows a noted increase in windspeeds at these stations due to the monsoon storm conditions occurring in the Phoenix Area. At the peak of these high winds, PM₁₀ concentrations exceeded NAAQS, with the highest concentrations being recorded as 5538 µg/m³ at Zuni Hills monitor at 8:00 P.M., at the time which it's highest wind speed of 18.7 mph was recorded. T

he highest PM₁₀ concentration recorded at Dysart monitor was 3458 µg/m³ at 12:50 A.M., earlier in the day than the highest windspeed and PM₁₀ level being recorded at Zuni Hills monitor. This early morning PM₁₀ peak at Dysart can be contributed to storm conditions continuing from July 9th, 2021, into July 10th. When the highest windspeed of 17.6 mph at Dysart is recorded at 7:50 P.M., there is a noted increase in PM₁₀ levels starting around 290 µg/m³, peaking at 9:30 P.M. at 1572 µg/m³, and slowly dropping to as windspeeds decrease around 11:00 P.M.

Data from NOAA KPHX also follows this trend, with windspeeds greater than 25 mph beginning around 7:30 P.M., and continuing to 11:00 P.M. NOAA KPHX is approximately 26 miles southeast of Zuni Hills and Dysart monitors, and 24 miles southeast from the project site. The highest wind speed of 35 mph and wind gust of 41 mph were recorded at 8:10 P.M. at NOAA KPHX. **Table 6** shows the time where the highest windspeeds, wind gusts, and their corresponding weather conditions were recorded at NOAA KPHX on July 10th, 2021.

Table 6: NOAA KPHX Weather for July 10 th , 2021						
Date	Time	Hourly-Averaged Windspeed (MPH)	Wind Gust Recorded (MPH)	Weather Conditions Noted	Visibility (miles)	Wind Direction
7/10/2021	7:50 P.M.	21	38	-	10	N
7/10/2021	7:51 P.M.	30	38	Squalls	8	N
7/10/2021	7:55 P.M.	23	30	Haze, Squalls	6	NNE
7/10/2021	8:00 P.M.	26	35	Haze	5	NNE
7/10/2021	8:03 P.M.	26	37	Haze	6	NNE
7/10/2021	8:05 P.M.	25	-	-	7	NNE
7/10/2021	8:10 P.M.	35 *	41 *	Thunder	8	NNE
7/10/2021	8:15 P.M.	35	-	-	7	NE
7/10/2021	8:20 P.M.	33	-	-	8	NE
7/10/2021	8:25 P.M.	29	-	-	10	ENE
Source: NOAA Weather for Phoenix, Phoenix Sky Harbor International Airport, AZ on 07/10/2021, Link: https://www.weather.gov/wrh/timeseries?site=KPHX&hours=72&units=english&chart=on&headers=on&obs=tabular&hourly=false&pview=standard&font=12&history=yes&start=20210709&end=20210711 Notes: * Highest windspeed or wind gust recorded for the day - no observation recorded						

As shown in **Table 6**, the highest windspeeds and wind gusts recorded for July 10th, 2021, correspond with the highest windspeeds and wind gusts recorded at Zuni Hills and Dysart monitors between 7:50 P.M. and 8:10 P.M. In addition, during this time, visibility levels decreased from 10 miles to 5 miles with haze and squalls when the highest windspeed and wind gust were recorded at NOAA KPHX. At 8:00 P.M., when the

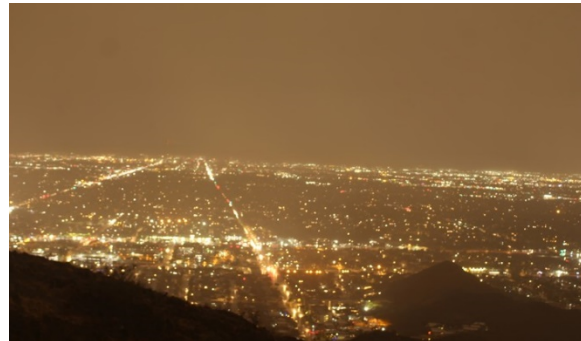
highest concentration of PM₁₀ and highest windspeed was recorded at Zuni Hills, NOAA KPHX weather conditions listed haze with the lowest visibility levels noted for July 10th, 2021. In addition, the wind roses for Dysart and Zuni Hills monitors for July 10th, 2021, show windspeed and wind direction of the PM₁₀ recorded blowing south, towards NOAA KPHX stations and the central phoenix area. For more details on these wind roses, please refer to **Appendix C**. This indicates that there were dust storms and high wind conditions resulting in PM₁₀ exceedances and reduced visibility on July 10th, 2021, in the Phoenix Area, and Zuni Hills and Dysart monitors near the project site. For more detailed information about NOAA KPHX, please refer to Appendix B.

Haze, squalls, and thunder along with reduced visibilities were reported on July 10th, 2021, in the Phoenix Area. The photographs below show ADEQ's Visibility Camera Historical Archive photos of the Phoenix Area at the time prior to and during the dust storm with reduced visibility on July 10th, 2021. Note the dust conditions reached their peak around 8:00 P.M., per NOAA KPHX data.

South Mountain Camera, 7:00 P.M.



South Mountain Camera, 8:15 P.M.



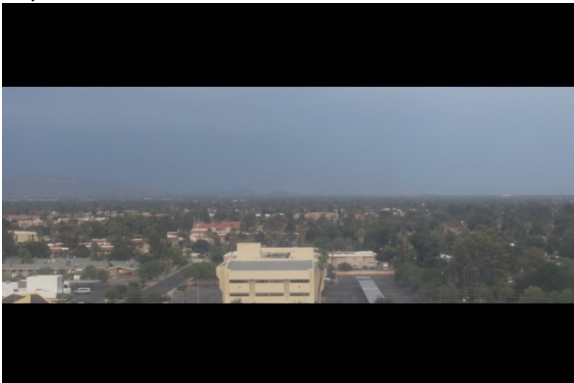
Camelback Mountain Camera, 7:00 P.M.



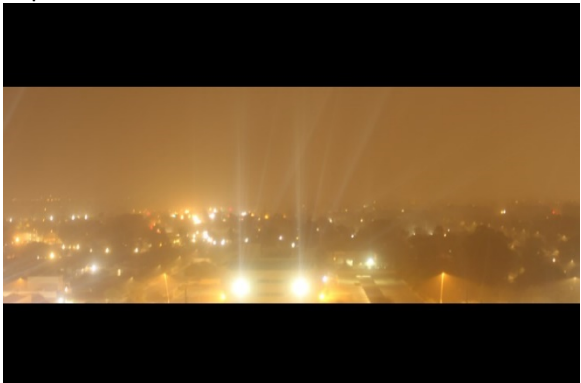
Camelback Mountain Camera, 8:45 P.M.



Superstition Mountains Camera, 7:00 P.M.



Superstition Mountains Camera, 8:30 P.M.



October 11th, 2021, Atypical Event

A high-wind event from monsoon storm activity occurred on October 11th, 2021, causing widespread blowing dust throughout Arizona. Wind gusts were recorded to reach up to 46 mph at NOAA KPHX (**Table 7**) Five monitoring sites in both Maricopa and Pinal counties, including the Dysart and Buckeye monitors, exceeded the 24-hour average PM₁₀ NAAQS⁴.

According to the ADEQ pollution forecast for October 11th and 12th, two strong low-pressure fronts hit the Southwest United States. The first low pressure front resulted in breezy westerly winds and potential pockets of dust on October 9th and 10th, and the second low pressure front on October 11th brought stronger southwestern winds with elevated PM₁₀ levels due to a combination of fall seasonally dependent high winds and PM₁₀ concentration volatility. On October 11th, 2021, the NWS Phoenix Area Forecast Discussion reported that a low-pressure front had advanced southward through the Sierra Nevada Mountain range and Central California. In response to this tightening low-pressure gradient, winds intensified. Satellite imagery confirmed the presence of blowing dust near the Salton Sea. This blowing dust propagated eastward into the Phoenix area during the evening of October 11th, 2021. Consequently, a Blowing Dust Advisory was issued for the lower desert areas of Arizona. On October 12th around 12:00 A.M., due to strong winds and cooler temperatures because of October 11th's low-pressure front and westerly winds, PM₁₀ levels rose again significantly. On October 11th and 12th, 2021, PM₁₀ levels exceeded health standards and resulted in a High Pollution Advisory for PM₁₀ in the Phoenix Area being placed on October 12th, 2021⁵.

With winds over 25 mph throughout the Phoenix Area due to meteorological conditions and a high wind event, high PM₁₀ concentrations occurred on October 11th and 12th, 2021. The majority of the elevated PM₁₀ concentrations occurred between October 11th, 2021, and 9:00 P.M. and October 12th, 2021, at 3:00 A.M.

MCAQD monitors data from October 11th, 2021, captures the high PM₁₀ levels and exceedances due to these monsoon storm activities. A total of three monitoring locations recorded NAAQS exceedances on October 12th, 2021. Of these three, two monitoring stations were evaluated for NAAQS exceedances in relation to the SR 303L project: Buckeye and Dysart, given they had the highest exceedances recorded on this date, and were closer to Zuni Hills monitor and the project site. West Chandler monitor also exceeded 24-hour average PM₁₀ NAAQS, approximately 35 miles south east of Zuni Hills monitor.

The Dysart monitor is approximately 10 miles southwest of the project site and 4 miles southwest from the Zuni Hills monitor, and the Buckeye Monitor is approximately 34 miles southwest of the project site and 29 miles southwest of the Zuni Hills monitor. PM₁₀ wind roses for both monitors on October 11th, 2021, indicate wind direction with PM₁₀ concentrations greater than NAAQS primarily flowing southwest or northeast, from the project site and Zuni Hills monitor to the Dysart and Buckeye monitors. For more details on the PM₁₀ wind roses, please refer to **Appendix C**.

October 11th, 2021 was previously approved in another Atypical Events Report for the SR 202L project, which discussed the West Chandler and Higley monitors exceedances in relation to the SR 202L project background PM₁₀ concentration. As such, this report will discuss these locations as well, with the assumption that this date has been approved as an atypical event day and was removed from project background concentration calculations previously.

⁴ F0124, SR 202L Val Visita to SR 101L Project, Atypical Events Report, September 28, 2023.

⁵ Valley Metro, *High Pollution Advisory Dates*, 2021. <https://www.valleymetro.org/commute-solutions/high-pollution-advisory>

Table 7 shows the windspeed levels and highest PM₁₀ concentrations recorded for October 11th, 2021, at Buckeye, Dysart, and Zuni Hills monitors.

Table 7: Windspeed and PM₁₀ Data for October 11th, 2021						
Site	Date	24-hour average PM ₁₀ (µg/m ³)	Max Hourly-Averaged Windspeed (MPH)	Time	Max Wind Gust (MPH)	Time
Buckeye	10/11/2021	259*	25.9	10:15 P.M.	26.3	10:15 P.M.
Dysart	10/11/2021	155*	19.2	10:25 P.M.	19.4	10:25 P.M.
Zuni Hills	10/11/2021	122	30.8	10:00 P.M.	31.8	10:00 P.M.
Source: Maricopa County Air Quality Departments (MCAQD) Air Quality Planning & Analysis Division, Dysart and Buckeye Air Quality Monitoring Station Data for July 10 th , 2021.						
Notes: *Measurement exceeds PM ₁₀ NAAQS.						

As shown in **Table 7**, the highest recorded windspeeds and wind gusts at Buckeye and Dysart monitors for October 11th, 2021, occurred around 10:15 P.M. Throughout the Phoenix Area, wind gusts over 25 mph were recorded, and five PM monitors, including Buckeye and Dysart recorded PM₁₀ concentrations over NAAQS thresholds. Zuni Hills monitor also recorded max hourly windspeeds greater than 25 mph, reaching up to 30.8 mph at 10:00 P.M., and had wind gusts recorded up to 31.8 mph at 10:00 P.M. The West Chandler and Higley stations both recorded wind gust speeds surpassing 25 mph at a maximum of 45.6 mph at West Chandler and 36.2 mph at Higley⁶, as well as PM₁₀ exceedances on this day as described in **Table 3**.

As windspeeds increased, PM₁₀ levels continued to rise at these monitoring locations, resulting in PM₁₀ exceedances being recorded for October 11th, 2021, at Buckeye and Dysart monitors. **Figures 5, 6, and 7** show 5-minute windspeed and 5-minute PM₁₀ for the Buckeye, Zuni Hills, and Dysart monitors on October 11th, 2021.

⁶ F0124, SR 202L Val Visita to SR 101L Project, Atypical Events Report, September 28, 2023.

Figure 5: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Dysart monitor on October 11th, 2021.

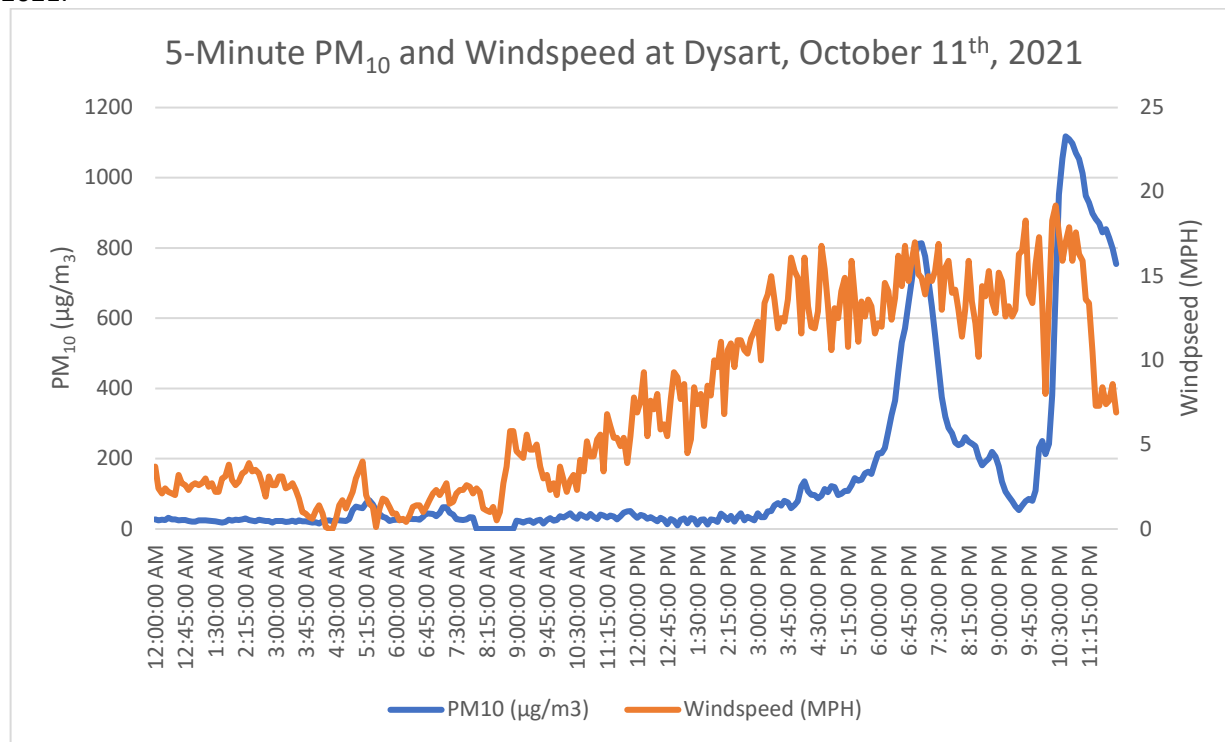


Figure 6: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Buckeye monitor on October 11th, 2021.

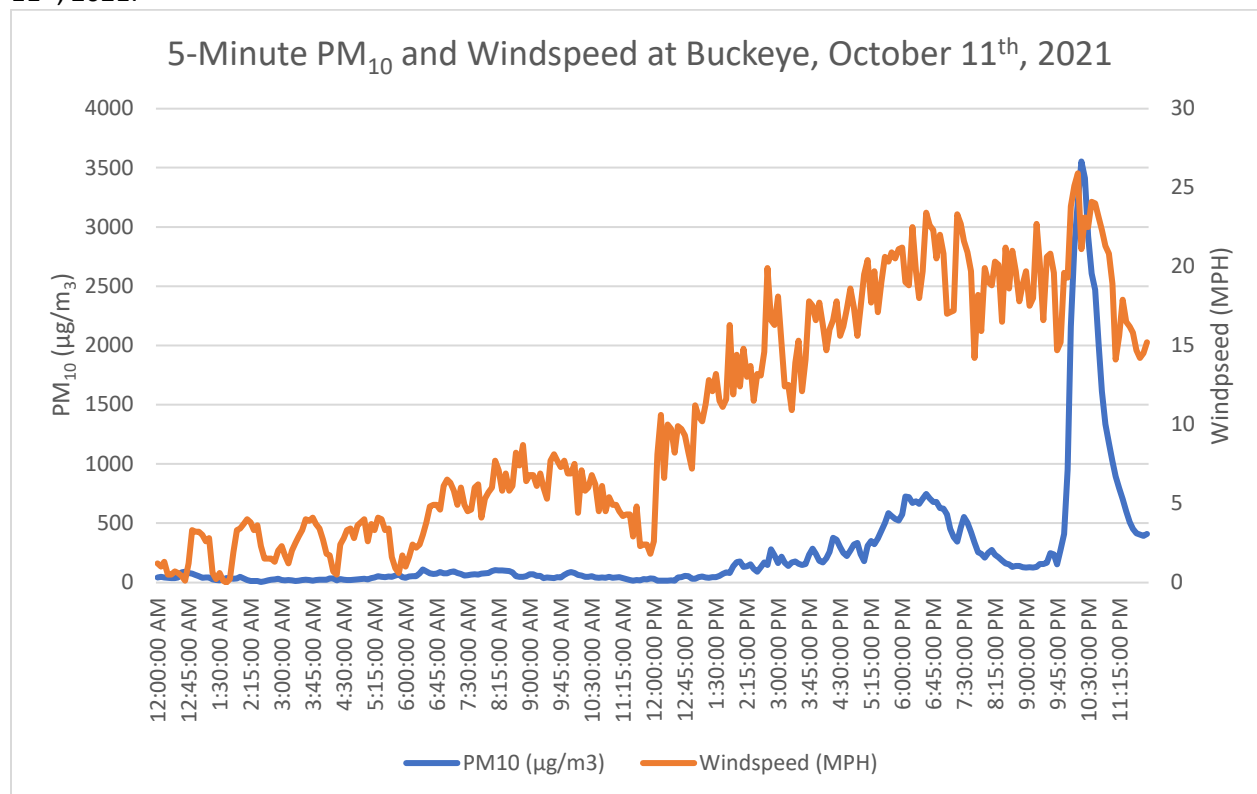
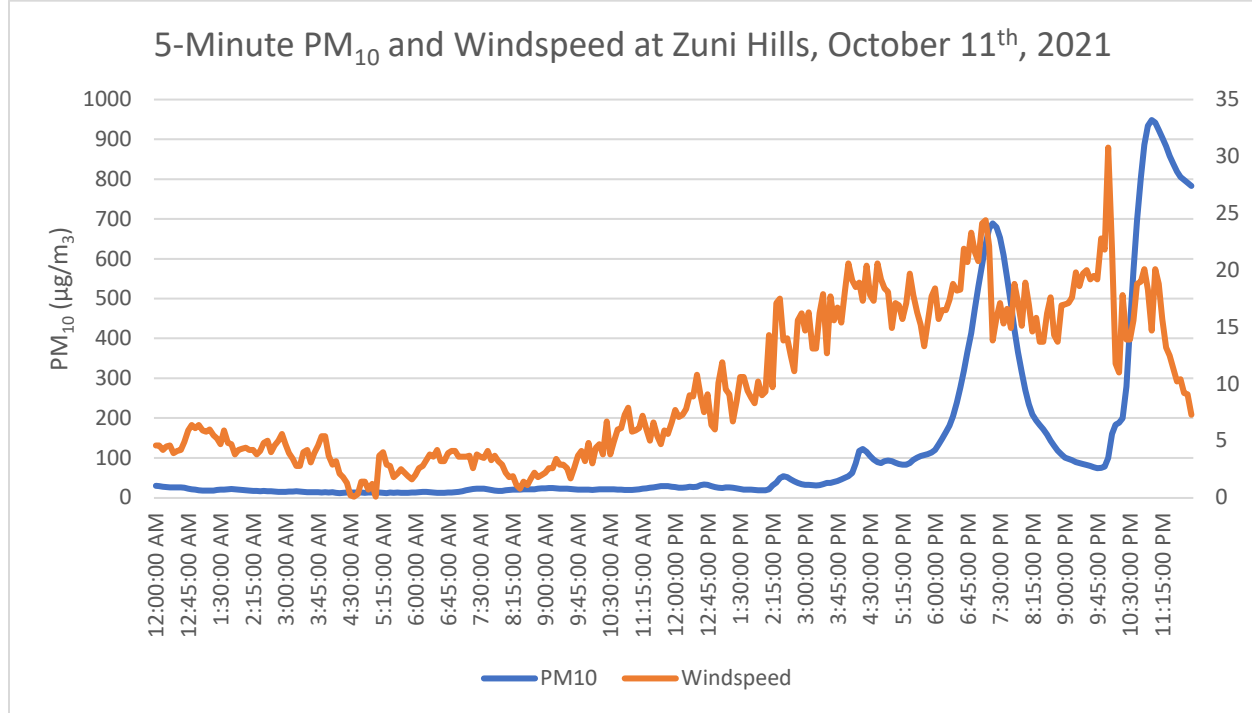


Figure 7: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Zuni Hills monitor on October 11th, 2021.



Figures 5, 6, and 7 illustrate high windspeeds at Buckeye, Zuni Hills, and Dysart monitors on October 11th, 2021, with sustained high windspeeds increasing as the storm progressed. Windspeeds began to gradually increase beginning at 6:00 P.M., reaching up to 25 mph at 7:30 P.M., result in a peak in PM₁₀ concentrations of 678.9 µg/m³ shortly after 7:30 P.M. recorded at Zuni Hills monitor. As the storm progressed, windspeeds again increased to their highest levels later that evening around 10:00 P.M. At Dysart monitor, windspeeds gradually increased beginning around 10:30 A.M., reaching a peak at 6:40 P.M. of 17 mph, which was followed after with a peak in 5-minute PM₁₀ concentration of 813.3 µg/m³ at 7:05 P.M. At both Zuni Hills and Dysart monitor, windspeeds decreased between 8:00 P.M. and 9:00 P.M., but began to increase to their maximum speed for the day around 10:00 P.M.

All three monitors saw their peak windspeeds around the same time on the evening of October 11th, 2021. At 10:15 P.M., the highest windspeed of 19.2 mph was recorded at Dysart monitor, at 10:20 P.M. the highest windspeed of 25.9 mph was recorded at Buckeye monitor, and at 10:00 P.M. the highest windspeed of 30.8 mph was recorded at Zuni Hills monitor. Coinciding with peak windspeeds, beginning around 10:00 P.M. on October 11th and extending to 12:00 A.M. on October 12th, 2021, 5-minute PM₁₀ concentrations notably rose to a maximum of 3,552 µg/m³ at Buckeye, and 1,187 µg/m³ at Dysart, 949 µg/m³ at Zuni Hills monitors indicate that high winds resulted lofting of dust into the atmosphere to increase dust concentrations creating dust storm activity. As a result, the Dysart and Buckeye stations exceeded 24-hour average PM₁₀ NAAQS on October 11th, 2021.

There are two visible noted peaks in windspeed and 5- minute PM₁₀ concentrations at each of the monitors shown in **Figures 5 - 7**, which all occur at similar times. The degree of magnitude of each monitors recorded peak windspeeds and PM₁₀ concentrations during these two increases depends on the monsoon conditions at the monitor, and wind direction. However, the similarity in timeline of the increased windspeeds and PM₁₀ concentrations noted at all three monitors demonstrates that the monsoon conditions on October 11th, 2021, were regional in nature, impacting the Phoenix Area as a whole.

Data from NOAA KPHX also demonstrates the monsoon conditions occurring on October 11th, 2021, showing an increase in windspeeds and visible blowing dust beginning at 6:00 P.M., and then windspeeds greater than 25 mph beginning around 7:00 P.M. and continuing through 12:00 A.M. on October 12th, 2021.

NOAA KPHX is approximately 37 miles east of Buckeye monitor, 24 miles southeast of Dysart monitor, and 24 miles southeast of Zuni Hills monitor. The wind directions noted during the highest wind speeds recorded at NOAA KPHX align with the general wind directions of the Dysart, Zuni Hills, and Buckeye monitors, as the wind direction was primarily blowing west from the Buckeye monitor to NOAA KPHX and Central Phoenix. Based on the wind direction observed at NOAA KPHX that coincides with the peak wind speeds and PM₁₀ concentrations at the monitors, the blowing dust conditions were first received at the Buckeye monitor and then continued to flow further east and northeast towards the Dysart and Zuni Hills monitors.

Earlier in the day, starting around 3:10 P.M., wind gusts at NOAA KPHX reached up to 35 mph, and wind speeds remained elevated, with a minimum of 12 mph for the remainder of October 11th, 2021. The increase in wind speed, beginning around 3:00 P.M., was recorded at the monitors as well, demonstrating a gradual increase in wind speeds from 3:00 P.M. until the first peak around 6:00 P.M., as shown in **Figures 5-7**. Because the primary wind direction during the monsoon conditions is southwest, the Buckeye monitor experienced the high wind conditions first, followed by Dysart (which is more west than Zuni Hills), then Zuni Hills, and finally, the furthest east, at NOAA KPHX station (which is more east than Zuni Hills).

As the monsoon conditions continued to flow east across the Phoenix Area into the evening of the 11th, the highest wind speed of 29 mph and wind gust of 46 mph were recorded around 10:45 P.M. at NOAA KPHX. Increased PM₁₀ concentrations observed on October 11th, 2021, coincided with these high wind conditions at Buckeye and Dysart monitors, as well as West Chandler and Higley (maximum wind speeds of 25 mph at West Chandler) in the Phoenix Area, as discussed above. **Table 8** shows the time period where the highest wind speeds, wind gusts, and their corresponding weather conditions were recorded the NOAA KPHX on October 11th, 2021.

Date	Time	Hourly-Averaged Windspeed (MPH)	Wind Gust Recorded (MPH)	Weather Conditions Noted	Visibility (miles)	Wind Direction
10/11/2021	3:30 P.M.	25	35	-	-	SW
10/11/2021	4:51 P.M.	21	29	-	-	SSW
10/11/2021	6:51 P.M.	18	28	-	-	SSW
10/11/2021	7:20 P.M.	18	31	-	-	SSW
10/11/2021	8:10 P.M.	28	36	-	-	SSW
10/11/2021	10:05 P.M.	25	32	-	10	S
10/11/2021	10:10 P.M.	23	30	-	10	S
10/11/2021	10:15 P.M.	24	32	-	9	S
10/11/2021	10:20 P.M.	17	-	-	9	S
10/11/2021	10:25 P.M.	22	35	-	9	S
10/11/2021	10:30 P.M.	22	30	-	9	SSW
10/11/2021	10:35 P.M.	20	25	-	10	SSW
10/11/2021	10:40 P.M.	26	35	-	7	W

10/11/2021	10:44 P.M.	28	46*	Lt rain, Blowing dust	3	W
10/11/2021	10:45 P.M.	29*	37	Lt rain, Blowing dust	3	W
10/11/2021	10:50 P.M.	22	-	Hvy rain, Blowing dust	2.5	W
10/11/2021	10:51 P.M.	21	38	Hvy rain, Blowing dust	2.5	W
10/11/2021	10:55 P.M.	14	-	Rain, Blowing dust	2.5	WSW
10/11/2021	10:56 P.M.	13	-	Lt rain, Blowing dust	3	W
10/11/2021	11:00 P.M.	12	20	Lt rain, Blowing dust	5	WSW
10/11/2021	11:05 P.M.	14	20	Haze, Blowing dust	4	WSW
10/11/2021	11:10 P.M.	16	25	Blowing dust	3.5	W
10/11/2021	11:15 P.M.	22	28	Blowing dust	3	W
10/11/2021	11:20 P.M.	20	26	Blowing dust	2.5	W
Source: NOAA Weather for Phoenix, Phoenix Sky Harbor International Airport, AZ on 10/11/2021, Link: https://www.weather.gov/wrh/timeseries?site=KPHX&hours=72&units=english&chart=on&headers=on&obs=tabular&hourly=false&pview=standard&font=12&history=yes&start=20211010&end=20211013 Notes: * Highest windspeed or wind gust recorded for the day - no observation recorded						

As shown in **Table 8**, the highest windspeeds and wind gusts recorded for October 11th, 2021, correspond with the highest windspeeds and wind gusts recorded at Buckeye and Dysart monitors between 10:00 P.M. and 11:20 P.M. In addition, during this time, visibility levels decreased from 10 miles to 2.5 miles with rain, haze, and blowing dust noted as the weather conditions, coinciding with the highest windspeed and wind gust recorded (29 mph, 46 mph).

Although the times when the Dysart, Zuni Hills, and Buckeye monitors highest windspeed and PM₁₀ levels do not directly correspond with the highest windspeed and wind gust levels recorded at NOAA KPHX, the data demonstrates a presence of high wind conditions resulting in decreased visibility, and blowing dust for the hour in which Dysart, Zuni Hills, and Buckeye experienced their highest PM₁₀ concentrations and windspeeds. This indicates the presence of dust storms and high wind conditions resulting in PM₁₀ exceedances and reduced visibility occurring on October 11th, 2021, throughout the Phoenix Area. All three monitors are southwest of NOAA KPHX, and as the storm progressed east, it picked up blowing dust and moved from the direction of the monitors, which was initiated from continual high winds and monsoon conditions beginning around 3:00 P.M., as recorded by NOAA KPHX, moving consistently east over the monitors and NOAA KPHX until the early morning of October 12th, 2021. For more detailed information about NOAA KPHX data, please refer to **Appendix B**.

An evaluation of all air quality inspections and complaints between October 8th, 2021, and October 12th, 2021, indicates no evidence of unusual anthropogenic PM₁₀ emissions. During the 4-day period, 25 air quality related events were received, with 17 related to windblow dust or PM₁₀⁷.

Blowing dust, haze, and dust storms along with reduced visibilities were reported on October 11th, 2021, in the Phoenix Area. The photographs below show ADEQ's Visibility Camera Historical Archive photos of the Phoenix Area at the time prior to and during the dust storm with reduced visibility on October 11th, 2021. Note the first low pressure wave of the storm hit the Phoenix Area around 9:00 P.M, following high windspeeds flowing east over the Phoenix Area in the afternoon.

⁷ F0124, SR 202L Val Visita to SR 101L Project, Atypical Events Report, September 28, 2023.

South Mountain Camera, 4:30 P.M.



Note: There are no images available in the archive for South Mountain camera after 4:30 P.M. on October 11, 2021

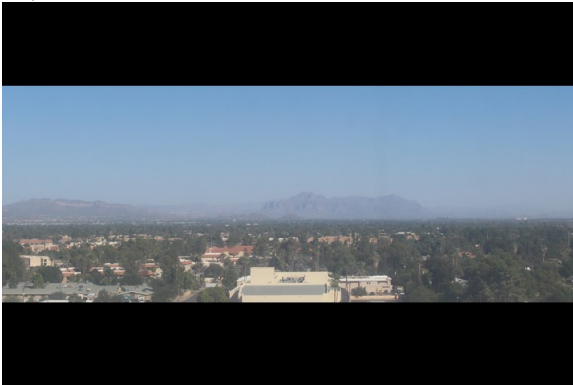
Camelback Mountain Camera, 9:15 P.M.



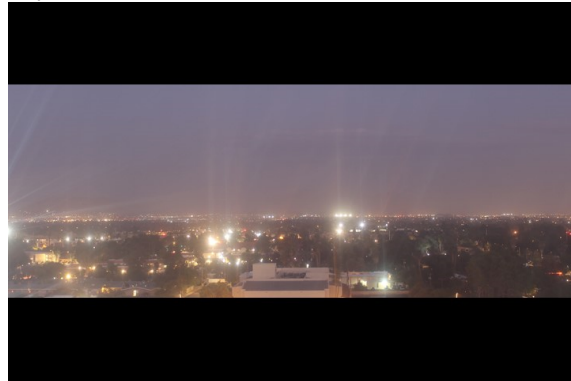
Camelback Mountain Camera, 11:00 P.M.



Superstition Mountains Camera, 3:00 P.M.



Superstition Mountains Camera, 6:30 P.M.



Note: There are no images available in the archive for Superstition Mountains Camera after 6:30 P.M. on October 11, 2021

October 12th, 2021, Atypical Event

Dust storm conditions continued through October 12th, 2021, from the dust storm which occurred on October 11th, 2021. On October 12th around 12:00 A.M., due to strong winds and cooler temperatures because of October 11th's low-pressure front and westerly winds, PM₁₀ levels rose significantly. On October 11th and 12th, 2021, PM₁₀ levels exceeded health standards and resulted in a High Pollution Advisory for PM₁₀ in the Phoenix Area being placed on October 12th, 2021⁸.

With winds over 25 mph throughout the Phoenix Area and due to meteorological conditions and a high wind event, high PM₁₀ concentrations occurred on October 11th and 12th, 2021. The majority of the elevated PM₁₀ concentrations occurred between October 11th, 2021, and 9:00 P.M. and October 12th, 2021, at 3:00 A.M.

MCAQD monitoring data from October 12th, 2021, captures the high PM₁₀ levels and exceedances which were a result from the dust storm and high winds which occurred on October 11th, 2021. A total of eight monitoring locations recorded NAAQS exceedances on October 12th, 2021. Of these eight, three monitoring stations were evaluated for NAAQS exceedances in relation to the SR 303L project: Higley, West Chandler, and South Scottsdale, given they had the highest exceedances recorded on this date. Monitors closer to the project site and Zuni hills monitor also exceeded NAAQS this day, including Central Phoenix (21 miles from project site), Durango Complex (22 miles southeast from the project site), and West 43rd Avenue (23 miles from project site). The closest monitor to Zuni Hills that exceeded NAAQS was Durango Complex, approximately 20 miles southeast of Zuni Hills.

Hourly windspeed and max wind gust speeds were recorded and compared to PM₁₀ levels at these stations, in correlation with October 11th, 2021, dust storm dates and NOAA KPHX data. **Table 9** captures windspeed and PM₁₀ data at Higley, West Chandler, South Scottsdale, and Zuni Hills monitors.

Table 9: Windspeed and PM ₁₀ Data for October 12 th , 2021						
Site	Date	24-hour average PM ₁₀ (µg/m ³)	Max Hourly-Averaged Windspeed (MPH)	Time	Max Wind Gust (MPH)	Time
Higley	10/12/2021	219.8*	14.1	12:25 A.M.	14.4	12:25 A.M.
South Scottsdale	10/12/2021	180.7*	18.1	12:55 A.M.	18.4	12:55 A.M.
West Chandler	10/12/2021	181.5*	12.9	12:00 A.M.	13.5	12:00 A.M.
Zuni Hills	10/12/2021	146	15.7	2:05 A.M.	15.9	2:05 A.M.
Source: Maricopa County Air Quality Departments (MCAQD) Air Quality Planning & Analysis Division, Higley, South Scottsdale, West Chandler, and Zuni Hills Air Quality Monitoring Station Data for October 12 th , 2021.						
Notes: *Measurement exceeds PM ₁₀ NAAQS.						

As shown in **Table 9**, Higley, South Scottsdale, and West Chandler monitors exceeded 24-hour average PM₁₀ NAAQS in the early morning of October 12th, 2021, following the storm conditions from the previous night. The Zuni Hills monitor did not exceed 24-hour average PM₁₀ NAAQS, but came close to exceeding it, only 4 µg/m³ less than the standard. Although the windspeeds at these selected monitors did not

⁸ Valley Metro, *High Pollution Advisory Dates*, 2021. Accessed August 17th, 2023. <https://www.valleymetro.org/commute-solutions/high-pollution-advisory>

increase to greater than 25 mph, throughout the Phoenix Area, wind gusts over 25 mph were recorded at NOAA KPHX and five PM monitors recorded PM₁₀ concentrations over NAAQS thresholds.

As windspeeds increased on October 11th, 2021, PM₁₀ levels continued to rise at the Higley, South Scottsdale, and West Chandler monitors, resulting in PM₁₀ exceedances recorded in the early morning of October 12th, 2021. **Figures 8 – 11** show 5-minute windspeed and PM₁₀ for the Higley, South Scottsdale, Zuni Hills, and West Chandler monitors on October 12th, 2021.

Figure 8: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Higley monitor on October 12th, 2021.

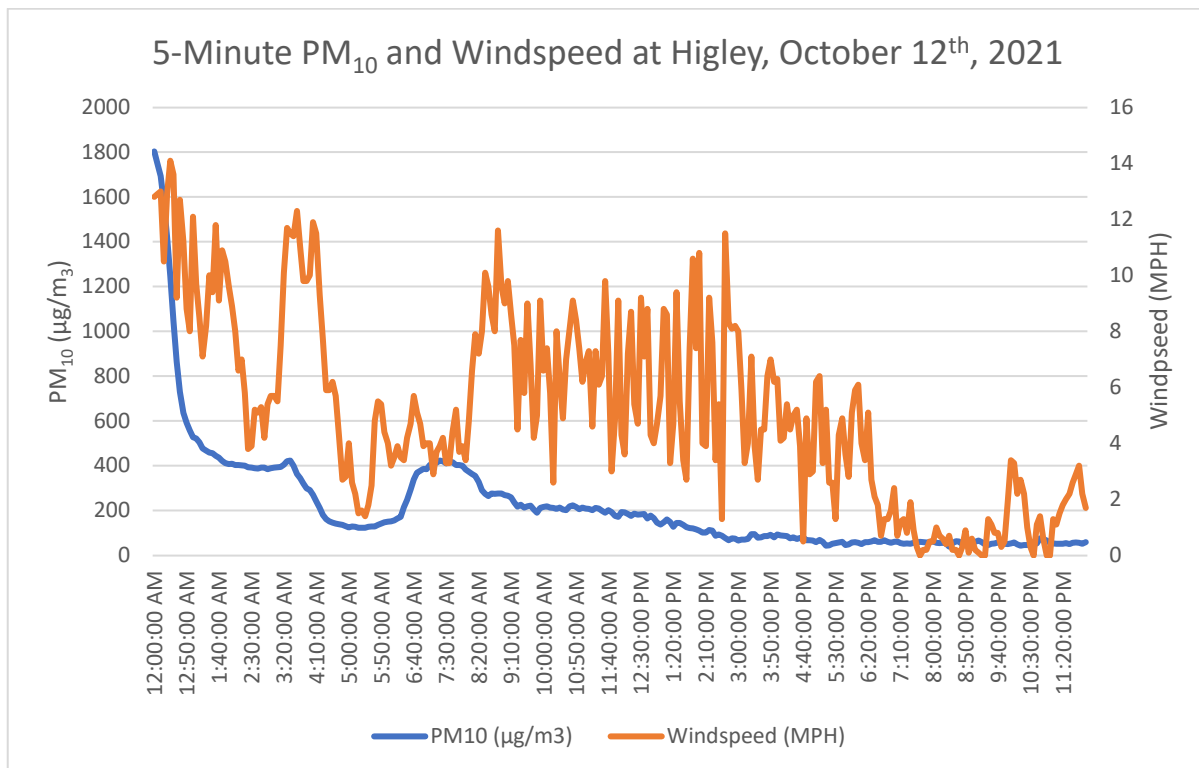


Figure 9: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at South Scottsdale monitor station October 12th, 2021.

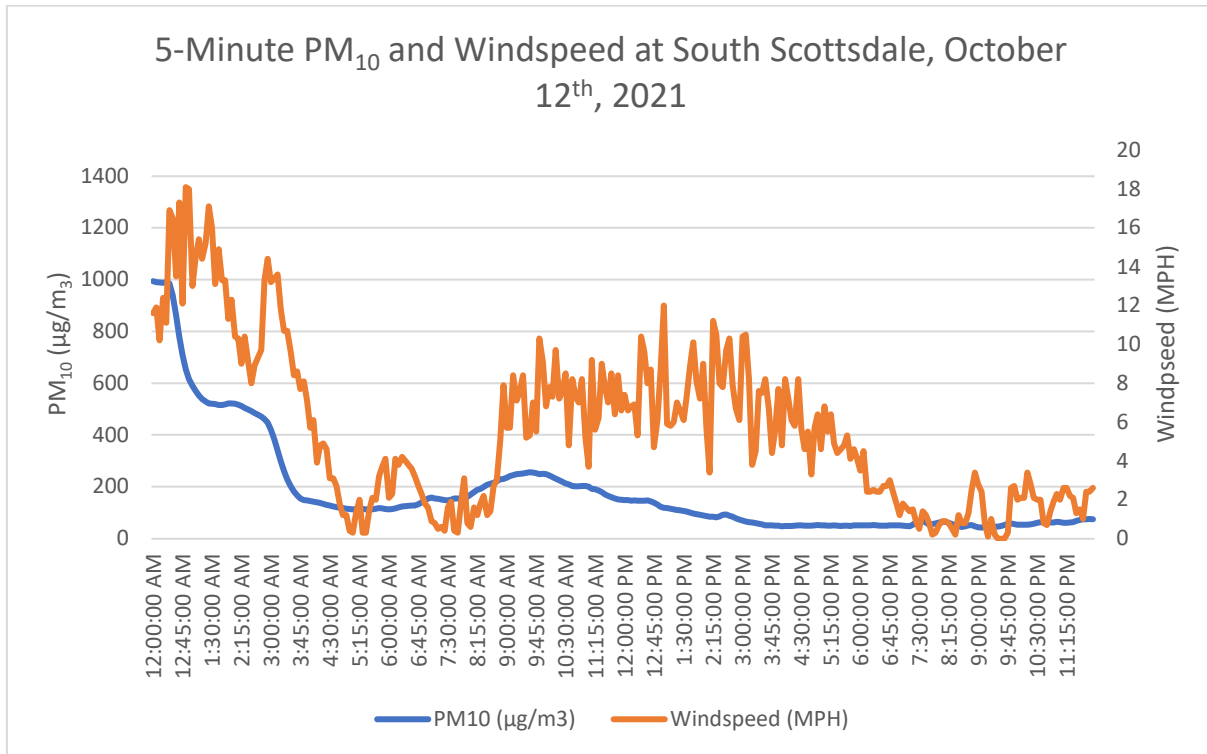


Figure 10: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at West Chandler monitor on October 12th, 2021.

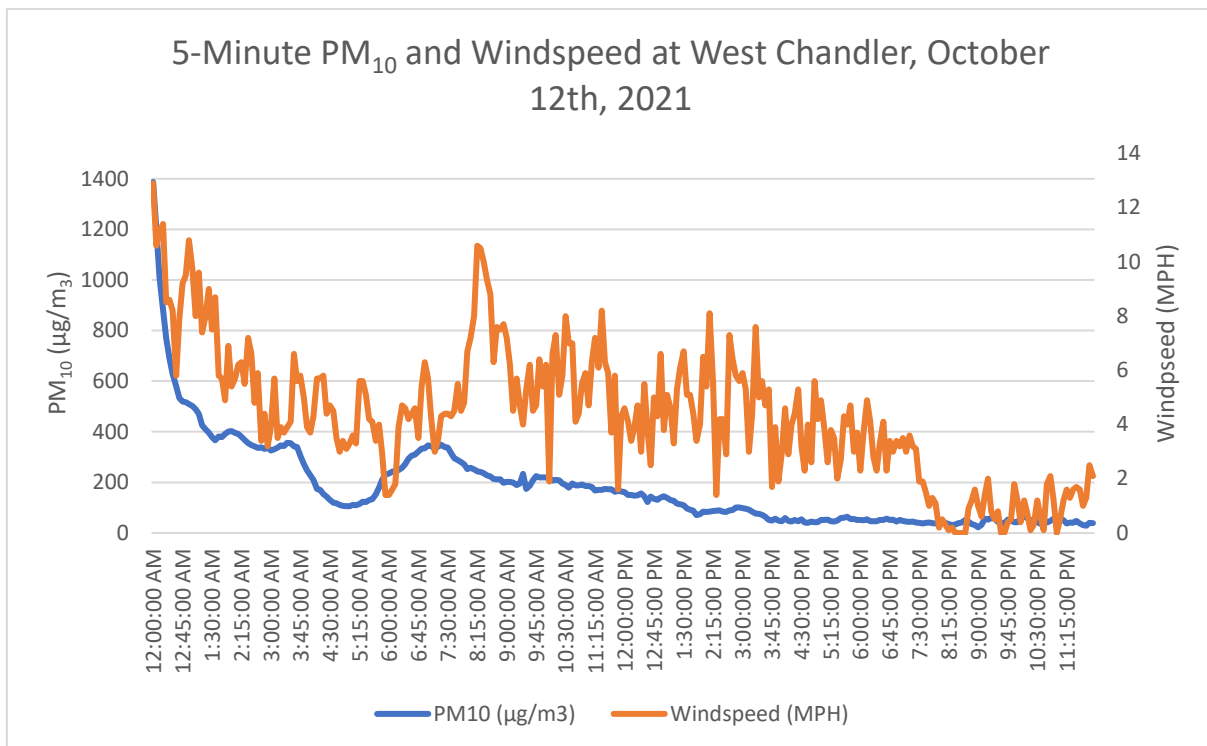
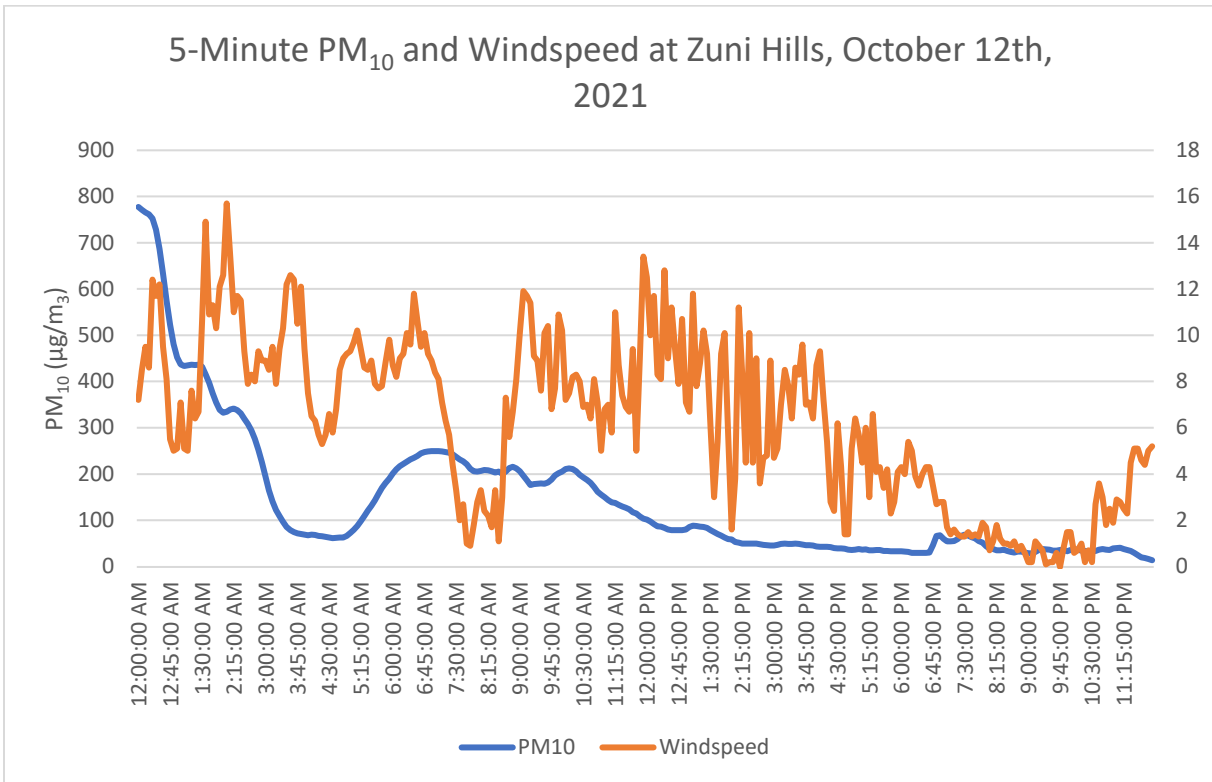


Figure 11: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Zuni Hills monitor on October 12th, 2021.



It is important to recognize that these high PM₁₀ exceedances were initiated from weather conditions which began the night of October 11th, 2021, and extended into the early morning of October 12th, 2021. This can be seen in **Figures 8-11**, as PM₁₀ and windspeed concentrations are highest at the start of October 11th, 2021, but slowly decrease over time. The slow decrease in intensity of storm conditions overnight from the night of October 11th, 2021, meant that an immense concentration of dust was lofted in the air for a significant period of time. As such the 24-hour average NAAQS remained higher than NAAQS until around 7:00 A.M. the morning of the 12th.

Data from NOAA KPHX tracks the storm conditions noted the evening of October 11th, 2021, and following into the early morning of October 12th, 2021. Windspeeds greater than 25 mph were recorded at 12:00 A.M. and continued to about 2:00 A.M. on October 12th, 2021. The highest wind speed recorded on October 12th, 2021, was 28 mph at 12:25 A.M. and the highest wind gust recorded was 37 mph around 12:51 A.M. Dust and decreased visibility were also noted in the NOAA KPHX data, supporting the increased PM₁₀ concentrations noted at monitors throughout the Phoenix Area on October 12th, 2021. **Table 10** shows the period where the highest wind speeds, wind gusts, and their corresponding weather conditions were recorded at NOAA KPHX on October 12th, 2021.

Table 10: NOAA KPHX Weather for October 12 th , 2021						
Date	Time	Hourly-Averaged Windspeed (MPH)	Wind Gust Recorded (MPH)	Weather Conditions Noted	Visibility (miles)	Wind Direction
10/12/2021	12:00 A.M.	20	-	-	2.5	W
10/12/2021	12:05 A.M.	22	28	-	2.5	W
10/12/2021	12:10 A.M.	24	30	-	2.5	W
10/12/2021	12:15 A.M.	25	31	-	2.5	W
10/12/2021	12:18 A.M.	22	33	Dust	4	W
10/12/2021	12:20 A.M.	23	-	-	4	W
10/12/2021	12:25 A.M.	28*	33	-	4	W
10/12/2021	12:30 A.M.	24	-	-	5	W
10/12/2021	12:32 A.M.	24	33	Dust	4	W
10/12/2021	12:35 A.M.	25	33	-	5	W
10/12/2021	12:40 A.M.	24	-	-	5	W
10/12/2021	12:45 A.M.	24	31	-	5	W
10/12/2021	12:50 A.M.	24	-	-	5	W
10/12/2021	12:51 A.M.	24	37*	Dust	5	W
10/12/2021	12:55 A.M.	25	33	-	5	W
10/12/2021	1:00 A.M.	22	30	-	5	W
10/12/2021	1:05 A.M.	21	-	-	5	W
10/12/2021	1:10 A.M.	18	25	-	5	W
10/12/2021	1:15 A.M.	21	-	-	5	W
10/12/2021	1:20 A.M.	18	-	-	5	W
10/12/2021	1:25 A.M.	20	-	-	5	W
10/12/2021	1:30 A.M.	16	-	-	5	W
Source: NOAA Weather for Phoenix, Phoenix Sky Harbor International Airport, AZ on 10/11/2021, Link: https://www.weather.gov/wrh/timeseries?site=KPHX&hours=72&units=english&chart=on&headers=on&obs=tabular&hourly=false&pview=standard&font=12&history=yes&start=20211010&end=20211013						
Notes:						
* Highest windspeed or wind gust recorded for the day ,						
- no observation recorded						

As shown in **Table 10**, high windspeeds recorded at NOAA KPHX coincide with the high windspeeds and peak PM₁₀ levels recorded at the MCAQD monitors in the Phoenix Area. Although the storm conditions including windspeeds greater than 25 mph began to reside around 2:00 A.M. on October 11th, windspeeds continued to remain greater than 10 mph for the next few hours, and increased again around 2:45 A.M., with wind gusts greater than 25 mph at 2:45 A.M. at NOAA KPHX. The increase in windspeeds coincides with the rise in windspeeds and PM₁₀ shown in **Figures 8 – 11** at the West Chandler, South Scottsdale, and Higley monitors, which still remained above NAAQS PM₁₀ standards until about 4:30 A.M., and then saw an increase again in the later morning around 6:45 A.M due to an increase in windspeeds, which can also be seen in the NOAA KPHX data for October 12th, 2021.

In addition, PM₁₀ wind roses from the South Scottsdale monitor indicate the primary wind direction recorded on October 12th was southwest and west, aligning with the westerly wind direction recorded at NOAA KPHX. The high winds carried concentrations of PM₁₀ greater than 600 µg/m³ from NOAA KPHX and Zuni Hills monitor east to the South Scottsdale monitor approximately 6 miles northeast of NOAA KPHX.

Wind roses from the Higley monitor indicate that the primary wind direction recorded on October 12th was west and northwest, carrying concentrations of PM₁₀ greater than 600 µg/m³ from Zuni Hills monitor and NOAA KPHX east towards the Higley monitor. Higley monitor is approximately 38 miles southeast of Zuni Hills monitor, and 20 miles southeast of NOAA KPHX. Wind roses from the West Chandler monitor, approximately 35 miles southeast of Zuni Hills monitor, indicates the primary wind direction recorded on October 12th was west, carrying concentrations of PM₁₀ greater than 600 µg/m³ from NOAA KPHX and Zuni Hills monitor to West Chandler.

These wind directions and high PM₁₀ concentrations recorded at the monitors on October 12th, in coordination with the NOAA KPHX weather data indicates that the monsoon conditions and high wind event was widespread in nature, impacting the whole Phoenix Area, including Zuni Hills monitor and the project site. For more details on the PM₁₀ wind roses for the Higley, West Chandler, and South Scottsdale monitors on October 12th, 2021, please refer to **Appendix C**.

Blowing dust, haze, and dust storms along with reduced visibilities were reported on October 11th, 2021, in the Phoenix Area, which led into the early morning of October 12th, 2021. The photographs below show ADEQ's Visibility Camera Historical Archive photos of the Phoenix Area at the time prior to and during the dust storm with reduced visibility on October 12th, 2021. Note the first low pressure wave of the storm hit the Phoenix Area around 9:00 P.M, October 11th, 2021, following high windspeeds moving over the Phoenix Area during the afternoon.

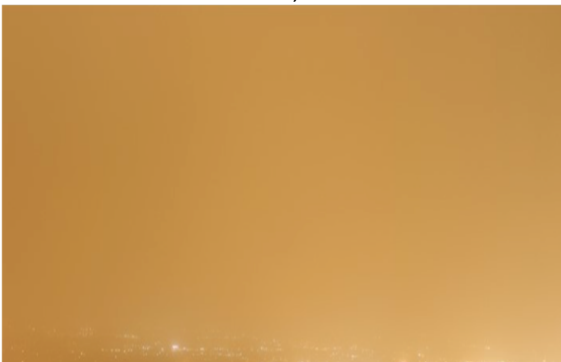
Camelback Mountain Camera, 12:00 A.M



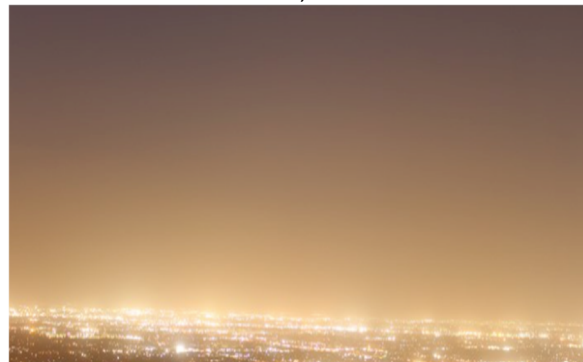
Camelback Mountain Camera, 2:45 A.M.



Estrella Mountains Camera, 12:00 A.M.



Estrella Mountains Camera, 5:45 A.M.



White Tank Mountains Camera, 12:00 A.M.



White Tank Mountains Camera, 2:00 A.M.



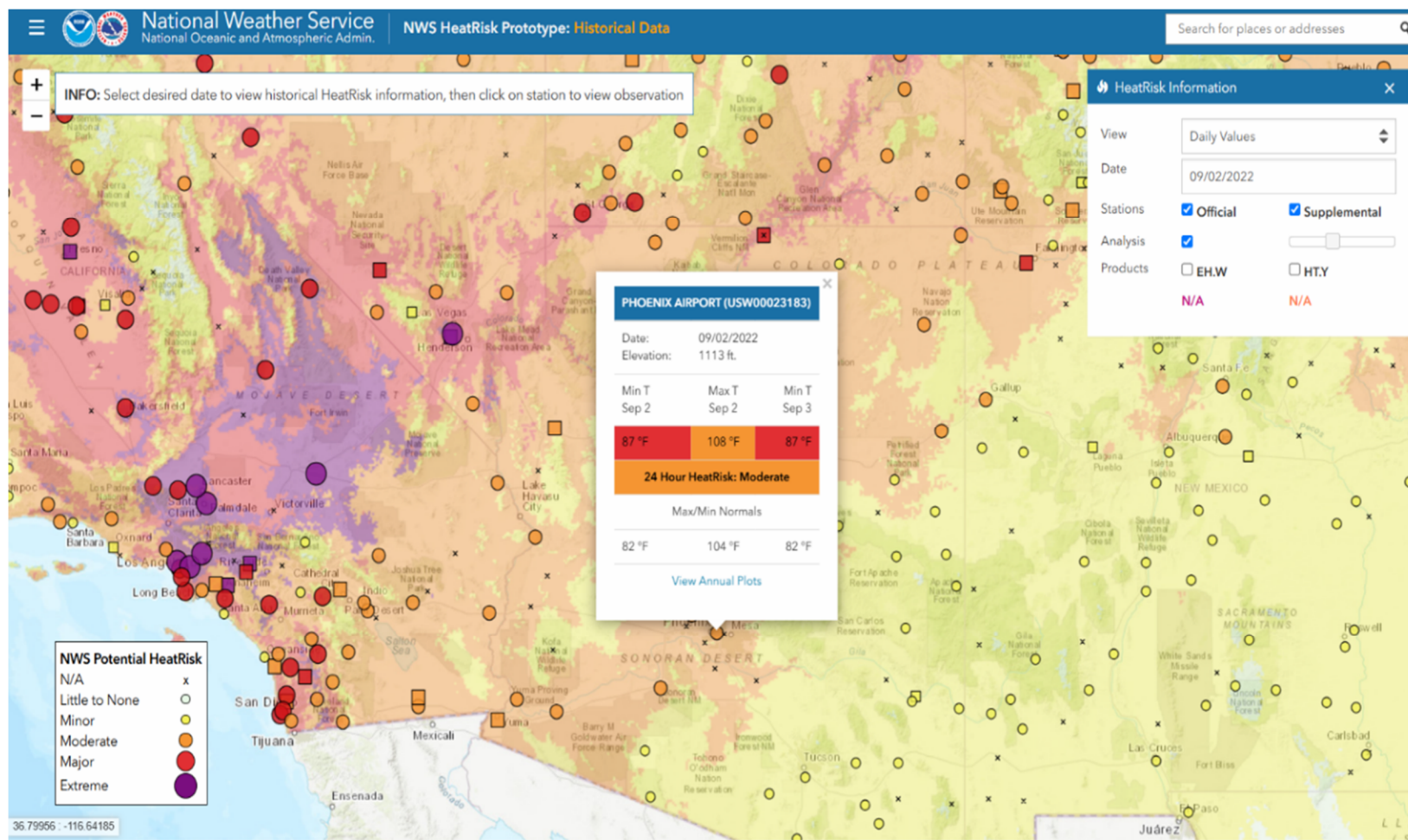
Note: There are no images available in the archive for Superstition Mountains, South Mountain camera on October 12th, 2021

September 2nd, 2022, Atypical Event

Extreme heat experienced in California, Nevada, Utah, and Arizona was caused by a long-lasting heat dome settling over the Western United States in early September 2022 and resulted in wildfires and poor air quality conditions across the Western United States⁹. **Figure 12** below shows the NWS Potential Heat Risk Map for the Phoenix Area and surrounding Western United States on September 2nd, 2022.

⁹ *Intense Heat Wave Fuels West Coast Wildfires & Air Quality Alerts*, IQAir, September 1, 2022, https://www.iqair.com/us/newsroom/intense-heat-wave-fuels-west-coast-wildfires-air-quality-alerts?srsId=AfmBOopf24koH2lB5I1ka62HKELBDTX0vLD0RjdeGFPG0_RWkn-ifLPS.

Figure 12. NWS HeatRisk Prototype: Historical Data for September 2nd, 2022, 24-hour heat risk recorded at NOAA KPHX¹⁰.



¹⁰ NWS HeatRisk Prototype: Historical Data, NOAA, <https://www.wrh.noaa.gov/wrh/hil/historical/#>

As shown in **Figure 12**, a moderate heat risk was issued specifically for September 2nd, 2022, following the development of a strong ridge of high pressure over the Western United States. Heat advisory warnings had already been issued by the NWS for the Phoenix area starting on August 29th, 2022, due to excessive heat conditions caused by this high-pressure system¹¹. This high-pressure system created excessive heat and monsoon like conditions for the week of September 1st, 2022, in the Phoenix Area and excessive heat conditions continued through September 5th, 2022, with the NOAA Storm Events Database report for Central Phoenix stating on September 5th, 2022, that “anomalously strong ridge of high pressure, with 500 mb heights around 594 dm, was parked over the western CONUS for the start of September. This resulted in well above normal temperatures as well as excessive heat conditions at times.”

Given the high-pressure system, poor air quality due to wildfires, and extreme heat conditions, dust storms, poor visibility and bouts of precipitation were noted throughout the Phoenix Area between September 1st and 5th, 2022, per NOAA’s Storm Events Database webpage. Around 10:30 P.M. on September 1st, 2022, dust storms were reported in Northwest Pinal County, developing over the White Tank Mountains which eventually moved north into Maricopa County, towards the project area and selected Zuni Hills and Dysart monitors. Additionally, a storm developed over Queen Creek Valley as well, and joined this storm cluster in the Phoenix Valley. The NOAA Storm Event Report for Southeast Valley and Queen Creek Areas of Southern Arizona states:

“Under a classic setup for storm motion from the Mogollon Rim to the Valley (Rim-to-Valley), with the monsoon 500mb high positioned over Nevada, a multicell storm cluster descended out of the White Mountains, through Gila County, and into the lower deserts of Maricopa and Pinal Counties in the early overnight hours of the 1st. Moisture levels were near average for the time of year, but steep mid-level lapse rates over the high terrain (7-8 C/km) and modest shear (Sfc-6km around 20-25 kts) was sufficient to support the development of an organized multicell storm cluster. The environment was also supportive of strong downbursts, with DCAPE up around 1000-1500 J/kg. A single ordinary storm also developed in the Queen Creek/San Tan Valley area a couple hours before the multicell cluster moved into the lower deserts and produced a damaging downburst. Strong winds leading to a dust storm was eventually generated by the multicell cluster once it moved into Maricopa and Pinal Counties.”¹²

Again, on September 2nd, 2022, dust storm conditions continued due to the high-pressure system positioned over the Western United States. On the evening of September 2nd, 2022, around 6:00 P.M. a NOAA Storm Events Report Maricopa County’s Queen Creek area was published describing the continuity of the monsoon/high pressure conditions which resulted in thunderstorms, high winds, dense blowing dust, low visibility, hail, and localized flash flooding¹³.

With excessive heat and monsoon conditions occurring within the Phoenix Area on September 2nd, 2022, NAAQS PM₁₀ exceedances were noted throughout the Phoenix Area at four MCAQD monitoring stations including the Zuni Hills and Dysart monitors. These monitors are discussed given their proximity to the project site. The highest PM₁₀ concentrations recorded at these monitors coincides with the times of dust storms reported by NOAA Storm Event Reports for Maricopa County and the Phoenix Area, and aligns with NOAA KPHX data for both September 1st, and 2nd, 2022. **Table 11** captures windspeed and PM₁₀ data at Zuni Hills and Dysart monitoring stations on September 2nd, 2022.

¹¹ NOAA, *Storm Events Database*, Event Details "1148966," <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=1148966>.

¹² NOAA, *Storm Events Database*, Event Details "1148966," <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=1148966>.

¹³ NOAA, *Storm Events Database*, Event Details "1148966," <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=1148966>.

Table 11: Windspeed and PM ₁₀ Data for September 2 nd , 2022						
Site	Date	24-hour average PM ₁₀ (µg/m ³)	Max Hourly-Averaged Windspeed (MPH)	Time	Max Wind Gust (MPH)	Time
Zuni Hills	9/2/2022	167.6*	12.2	7:35 P.M.	12.5	7:35 P.M.
Dysart	9/2/2022	206.7*	17.2	7:30 P.M.	17.5	7:30 P.M.
Source: Maricopa County Air Quality Departments (MCAQD) Air Quality Planning & Analysis Division, Dysart and Zuni Hills Air Quality Monitoring Station Data for September 2 nd , 2022.						
Notes: *Measurement exceeds PM ₁₀ NAAQS.						

As shown in **Table 11**, the highest windspeed recorded at the Zuni Hills monitor is 12.2 mph, and the max wind gust is 12.5 mph, occurring at 7:35 P.M. The highest wind speed at the Dysart Monitor is 17.2 mph and the max wind gust is 17.5 mph, occurring at 7:30 P.M. **Figures 13** and **14** show the corresponding 5-minute windspeed and PM₁₀ data recorded at Zuni Hills and Dysart monitors on September 2nd, 2022.

PM₁₀ exceedances were recorded in the early morning of September 2nd, 2022, following the storm conditions that began the night before in the Phoenix Area. As the storm moved north and northwest from Pinal to Maricopa County over the night of the 1st into the 2nd, and storm cells from multiple storm fronts combined over the Phoenix Area, and both Zuni Hills and Dysart monitors recorded exceedances in the 24-hour average PM₁₀ NAAQS.

Figure 13: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Dysart monitor on September 2nd, 2022.

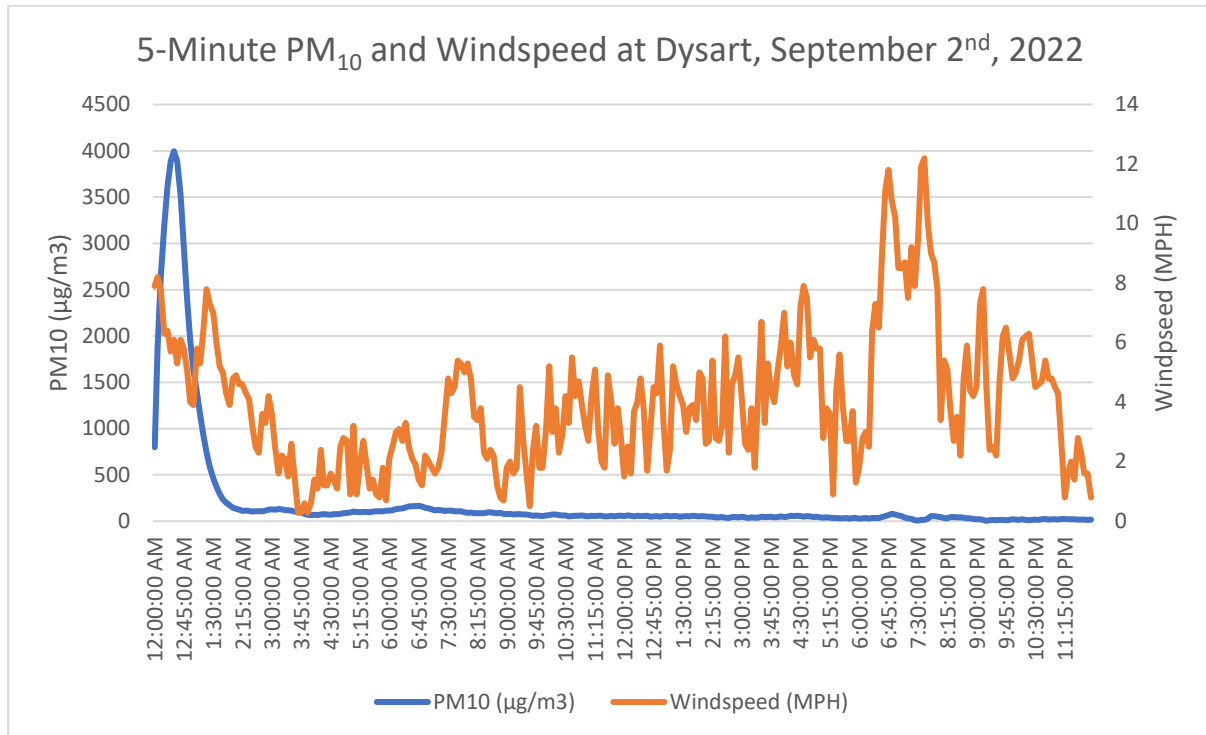
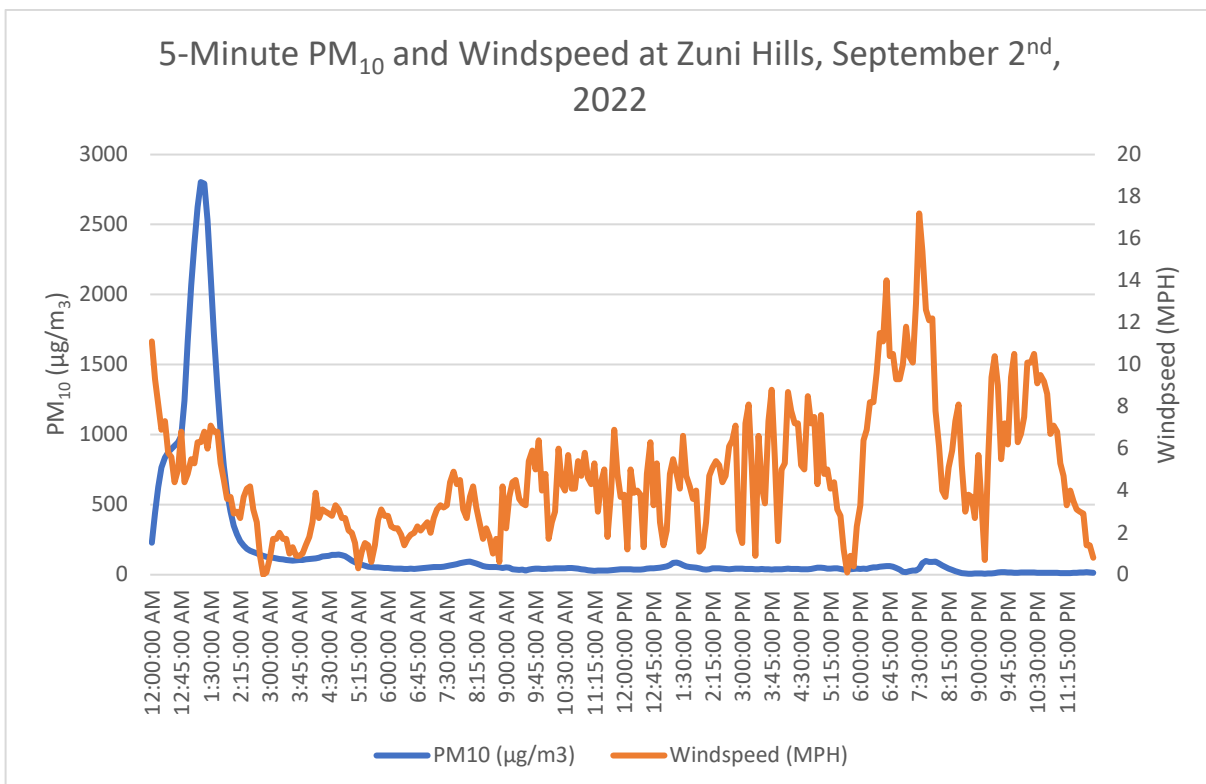


Figure 14: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Zuni Hills monitor on September 2nd, 2022.



Based on **Figures 13** and **14**, PM₁₀ concentrations peaked in the early morning of September 2nd, 2022, at both monitoring stations, with maximum wind speeds recorded later that evening. This pattern aligns with monsoon conditions affecting the area in early September, influenced by a low-pressure system over the Western United States. According to NOAA's Storm Events Report for September 1st, 2022, strong winds and dust storms developed around 10:00 P.M., extending into the early hours of September 2nd, 2022¹⁴. Dysart monitor recorded a PM₁₀ peak of 2,791.9 µg/m³ at 1:10 A.M., while Zuni Hills monitor registered 3,996.9 µg/m³ at 12:30 A.M. NOAA KPHX data confirmed haze, blowing dust, and high winds approximately 1 hour before the peak PM₁₀ levels at Zuni Hills and Dysart monitors were recorded, on the evening of September 1st, 2022. **Table 12** provides windspeed and weather conditions data recorded the evening of September 1st, 2022, at NOAA KPHX, that demonstrates dust storm conditions occurring in the Phoenix Area near the monitors. These conditions continued into the early morning of the 2nd, resulting in PM₁₀ exceedances being recorded at the monitors shown between 12 and 1 am, as shown in **Figures 13** and **14**.

The highest wind gusts recorded at NOAA KPHX around 6:00 p.m. on September 2nd, coincide with the time at which maximum wind speeds were recorded at Zuni Hills and Dysart monitors. **Table 12** provides the highest wind speeds, gusts, and weather conditions at NOAA KPHX on September 1-2, as the storm initiated the night of September 1st, contributing to PM₁₀ exceedances occurring early September 2nd, 2022.

Additional data from the Luke Airforce Base NOAA Station's (approximately 23 miles northwest of NOAA KPHX) is provided for the evening of September 1st, 2022, to demonstrate the regional wide impact of the multiple storm cells over the Phoenix Area, while focusing on the wind patterns and direction attributing to PM₁₀ exceedances at the Zuni hills and Dysart monitors in the early morning of September 2nd, 2022. Luke Airforce Base NOAA Station is approximately 8 miles southwest of Dysart monitor, and 12 miles southwest of Zuni Hills monitor.

Table 12: NOAA Weather for September 1 st and 2 nd , 2022						
Date	Time	Hourly-Averaged Windspeed (MPH)	Wind Gust Recorded (MPH)	Weather Conditions Noted	Visibility (miles)	Wind Direction
NOAA Luke Airforce Base Station Data						
9/1/2022	11:34 P.M.	28	33	-	9	SSE
9/1/2022	11:42 P.M.	24	33	Lt drizzle	3	SE
9/1/2022	11:52 P.M.	21	-	Lt drizzle	2.75	SE
9/1/2022	11:54 P.M.	17	-	Haze	3	SE
9/1/2022	11:56 P.M.	18	-	Haze	2.75	SE
9/2/2022	12:06 A.M.	16	-	Haze	3	ESE
9/2/2022	12:26 A.M.	10	-	-	7	SSE
NOAA KPHX Station Data						
9/1/2022	10:40 P.M.	23*	33*	-	10	SE
9/1/2022	10:45 P.M.	16	22	-	4	SE
9/1/2022	10:51 P.M.	13	23	Haze, Blowing dust	3	SSE

¹⁴ NOAA, *Storm Events Database*, Event Details "1052142," <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=1052142>.

9/1/2022	11:05 P.M.	16	-	Haze, Blowing dust	2	SE
9/1/2022	11:15 P.M.	18	24	Haze, Blowing dust	4	SE
9/1/2022	11:22 P.M.	13	24	Haze, Blowing dust	5	SSE
9/1/2022	11:25 P.M.	14	20	Haze, Blowing dust	6	SSE
9/1/2022	11:51 P.M.	13	25	-	10	SE
9/2/2022	12:00 A.M.	15	-	-	10	SE
9/2/2022	12:15 A.M.	13	-	-	10	E
9/2/2022	12:25 A.M.	16	-	-	10	E
9/2/2022	12:45 A.M.	14	-	-	10	E
9/2/2022	12:55 A.M.	13	-	-	10	E
9/2/2022	1:00 A.M.	14	20	-	10	ESE
9/2/2022	1:05 A.M.	12	17	-	10	ESE
9/2/2022	1:10 A.M.	14	-	-	10	ESE
9/2/2022	1:15 A.M.	13	18	-	10	ESE
9/2/2022	6:45 P.M.	10	-	-	10	ENE
9/2/2022	6:50 P.M.	20*	-	-	10	ENE
9/2/2022	6:51 P.M.	17	30*	-	10	ENE
9/2/2022	6:55 P.M.	18	-	-	10	NE
9/2/2022	6:58 P.M.	15	-	Thunder	10	ENE
9/2/2022	7:00 P.M.	16	-	-	10	E
Source: NOAA Weather for Phoenix, Phoenix Sky Harbor International Airport, AZ on 09/01/2022 - 09/03/2022, Link: https://www.weather.gov/wrh/timeseries?site=KPHX&hours=72&units=english&chart=on&headers=on&obs=tabular&hourly=false&pview=standard&font=12&history=yes&start=20220901&end=20220903, NOAA Weather for Phoenix, Luke Airforce Base, AZ on 09/01/2022, Link: https://www.weather.gov/wrh/timeseries?site=KLUF&hours=72&units=english&chart=on&headers=on&obs=tabular&hourly=false&pview=standard&font=12&history=yes&start=20220901&end=20220903 Notes: * Highest windspeed or wind gust recorded for the day - no observation recorded						

As shown in **Table 12**, high windspeeds recorded at NOAA KPHX coincide with the high windspeeds and peak PM₁₀ levels recorded at Zuni Hills and Dysart monitors for the early morning of September 2nd, 2022, and high windspeeds on the evening of September 2nd, 2022. Haze and blowing dust were noted from 10:50 P.M. to 11:30 P.M. on September 1st, 2022, which aligns with NOAA Storm Events Report's description of dust storms occurring around this time throughout the Phoenix Area. On the evening of September 1st, 2022, haze and blowing dust was noted at NOAA KPHX with primarily southeasterly winds of speeds greater than 25 mph, from the Casa Grande Area to NOAA KPHX, the Zuni Hills, and Dysart monitors. Winds greater than 25 mph were also recorded at Luke Air Force Base NOAA station around a similar time, primarily in the southeast direction, which demonstrates that areas within closer proximity to the monitors experienced a similar wind pattern to that of which occurred at NOAA KPHX at this time. ADEQ Visibility Camera Historical Archive photos at the South Mountain Camera show a decrease in visibility and dust cloud moving north and northwest towards the Central Phoenix Area around 11:00 P.M., the night of September 1st, 2022, which aligns with the NOAA KPHX and Luke Airforce Base NOAA Station weather conditions of blowing dust and haze that were recorded during this time.

From 10:45 P.M. to 11:30 P.M., visibility decreased drastically at NOAA KPHX, coinciding with haze and visible dust being noted in the forecast. Additionally, this blowing dust and peak windspeeds continued into the morning of the 2nd and could explain the highest PM₁₀ levels being recorded at the Zuni Hills and Dysart monitors happening just after 12:00 A.M. on September 2nd, 2022. The highest wind gust speed recorded at NOAA KPHX for September 2nd, 2022, was 30 mph at 6:51 P.M. from the east-northeast direction, moving towards the Zuni Hill and Dysart monitors. This was followed by reports of thunder and monsoon conditions that were noted in the NOAA Storm Events Reports throughout the Phoenix Area. This peak wind gusts on the evening of September 2nd, 2022, align with the highest windspeeds recorded at the Zuni Hills and Dysart monitors of 12.2 mph at 7:35 P.M., and 17.2 mph at 7:35 P.M., respectively.

It is important to note that windspeeds did not reach levels greater than 25 mph at Zuni Hills and Dysart monitors, but a series of high wind and monsoon conditions resulting in dust storm events were noted for this period in September 2022. As such, Zuni Hills and Dysart monitors PM₁₀ concentrations increased on the night of September 1st, 2022, and exceeded in the morning of September 2nd, 2022, as storm conditions moved north and northwest from Central Phoenix towards the monitors.

Based on NOAA Storm Event Reports for both Maricopa County and the Central Phoenix Area, it was demonstrated that the high-pressure excessive heat wave resulted in monsoon-like conditions including high wind, thunder, flashflood, hail, and dust storms. The photographs below show ADEQ's Visibility Camera Historical Archive photos of the Phoenix Area at the time prior to and during the thunderstorm and monsoon conditions in between the evenings of September 1st and September 2nd, 2022. Note the first wave of the storm hit the Phoenix Area around 10:00 P.M., September 1st, 2022, and moved north and northwest, followed by thunderstorms and high winds the next evening on September 2nd, 2022, moving west and southwest.

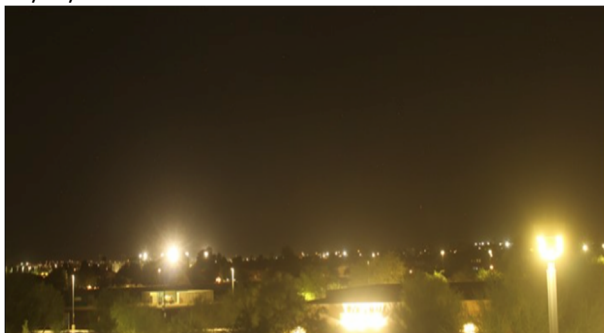
Camelback Mountain Camera, 10:30 P.M.,
09/01/2022



Camelback Mountain Camera, 11:15 P.M.,
09/01/2022



White Tank Mountains Camera, 9:00 P.M.,
09/01/2022



White Tank Mountains Camera, 11:45 P.M.,
09/01/2022



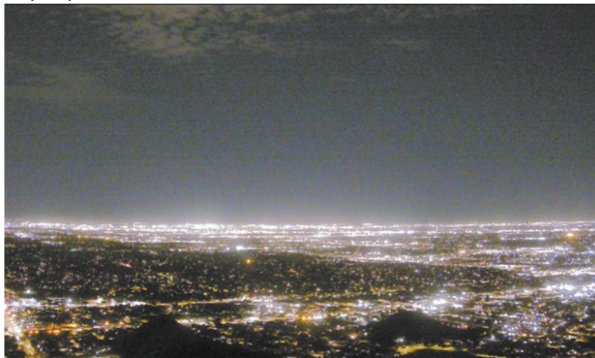
South Mountain Camera, 11:00 P.M.,
09/01/2022



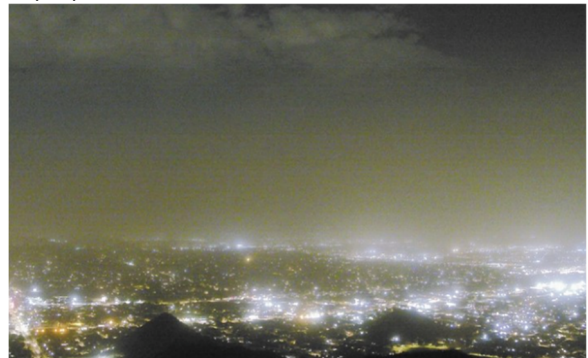
South Mountain Camera, 11:45 P.M.,
09/01/2022



Estrella Mountains Camera, 10:00 P.M.,
09/01/2022



Estrella Mountains Camera, 11:30 P.M.,
09/01/2022



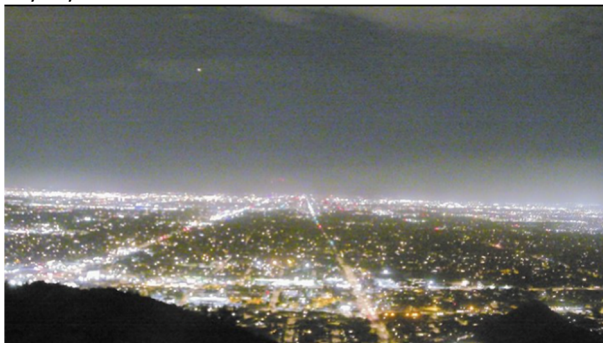
White Tank Mountains Camera, 12:00 A.M.,
09/02/2022



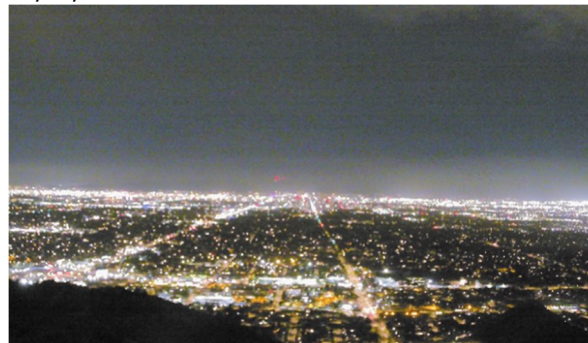
White Tank Mountains Camera, 5:30 A.M.,
09/02/2022



South Mountain Camera, 12:15 A.M.,
09/02/2022



South Mountain Camera, 12:30 A.M.,
09/02/2022



Estrella Mountains Camera, 12:15 A.M.,
09/02/2022



Estrella Mountains Camera, 5:45 A.M.,
09/02/2022



South Mountain Camera, 6:15 A.M.,
09/02/2022



South Mountain Camera, 5:15 P.M.,
09/02/2022



Superstition Mountains Camera, 10:30 A.M.,
09/02/2022



Superstition Mountains Camera, 5:45 P.M.,
09/02/2022



Camelback Mountain Camera, 12:00 A.M.,
09/02/2022



Camelback Mountain Camera, 2:00 P.M.,
09/02/2022



Estrella Mountains Camera, 1:45 P.M.,
09/02/2022



Estrella Mountains Camera, 5:30 P.M.,
9/02/2022



Superstition Mountains Camera, 6:30 P.M.,
09/02/2022



Superstition Mountains Camera, 6:45 P.M.,
09/02/2022



Camelback Mountain Camera, 6:00 P.M.,
09/02/2022



Camelback Mountain Camera, 6:30 P.M.,
09/02/2022



White Tank Mountains Camera, 6:00 P.M.,
09/02/2022



White Tank Mountains Camera, 7:15 P.M.,
09/02/2022



October 3rd, 2022, Atypical Event

In early October of 2022, a large area of low pressure was stationed over eastern Montana with shortwaves rotating around it over northern Arizona. This provided dynamic support to an already moist environment with numerous showers and thunderstorms. A stronger shortwave moved from the northwest to southcentral portions of Arizona during the afternoon of October 3rd, 2022, creating widespread thunderstorms, hail, and high winds which moved from the north south over the Phoenix Area.

NOAA and NWS weather reports and storm event data for the Phoenix Area list thunderstorms, high winds, and flash flooding in the afternoon hours of October 3rd, 2022. Wind gusts greater than 50 mph were reported in the Central Phoenix Area, and at NOAA KPHX¹⁵. High winds and widespread blowing dust throughout the Phoenix Area, windspeeds greater than 25 mph were recorded, and 24-hour average PM₁₀ NAAQS were exceeded at the West 43rd Avenue monitor. Only the West 43rd Avenue monitor exceeded 24-hour average PM₁₀ NAAQS on October 3rd, 2022, but Zuni Hills monitor did record windspeeds and wind gust speeds greater than 25 mph coinciding with the max windspeed and wind gusts times recorded at West 43rd Avenue monitor. The West 43rd Avenue monitor is approximately 21 miles southeast of the Zuni Hills monitor, and 24 miles south of the project site. **Table 13** shows the windspeed and PM₁₀ data for West 43rd Avenue and Zuni Hills monitor on October 3rd, 2022.

Table 13: Windspeed and PM ₁₀ Data for October 3 rd , 2022						
Site	Date	24-hour average PM ₁₀ (µg/m ³)	Max Hourly-Averaged Windspeed (MPH)	Time	Max Wind Gust (MPH)	Time
West 43 rd Avenue	10/3/2022	316.8*	38.7	4:40 P.M.	41.7	4:40 P.M.
Zuni Hills	10/3/2022	116	35.7	3:50 P.M.	36.3	3:50 P.M.
Source: Maricopa County Air Quality Departments (MCAQD) Air Quality Planning & Analysis Division, West 43 rd Avenue, and Zuni Hills Air Quality Monitoring Station Data for October 3 rd , 2022.						
Notes: *Measurement exceeds 24-hour average PM ₁₀ NAAQS.						

As shown in **Table 13**, the highest windspeed recorded at West 43rd Avenue monitor was 38.7 mph at 4:40 P.M., which coincided with the highest PM₁₀ levels recorded at the monitor for the day, of 9,551.1 µg /m³ recorded shortly after at 4:50 P.M. Windspeeds at the West 43rd Avenue monitor began to increase around 4:15 P.M., reaching greater than 25 mph at 4:20 P.M. and continued to increase to a maximum of 38.7 mph at 4:40 P.M., and remained greater than 25 mph until 6:15 P.M. The highest windspeed recorded at Zuni Hills monitor was 35.7 mph at 3:50 P.M., which coincides with the highest PM₁₀ levels recorded at the monitor for the day, of 5,722.1 µg /m³ at 3:55 P.M. Windspeeds began to increase at Zuni Hills monitor around 3:40 P.M., reaching greater than 25 mph at 3:45 P.M. and to a max of 35.7 mph at 3:50 P.M. and continued to remain higher than 20 mph until 6:05 P.M. **Figure 15** and **16** shows the increase in windspeed and coinciding 5-minute PM₁₀ increase at West 43rd Avenue and Zuni Hills monitors on October 3rd, 2022.

¹⁵NOAA, *Storm Events Database*, Event Details "1059584," <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=1059584>.

Figure 15: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at West 43rd Avenue monitor on October 3rd, 2022.

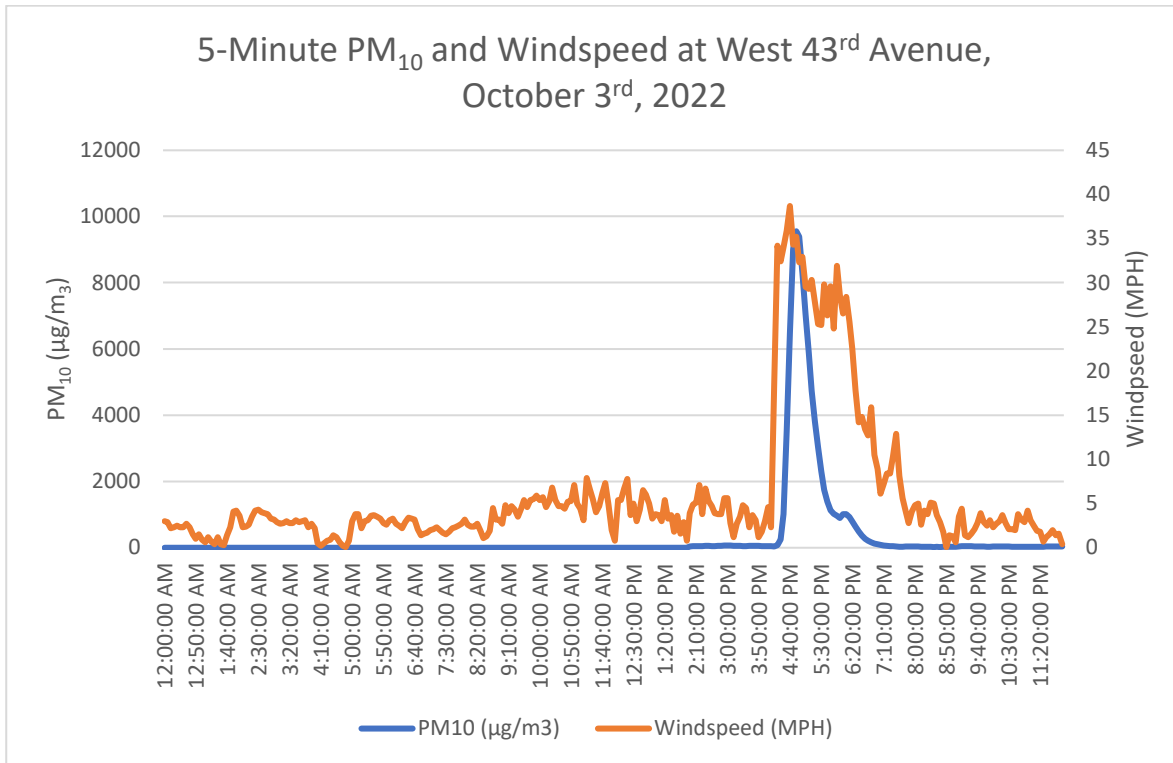
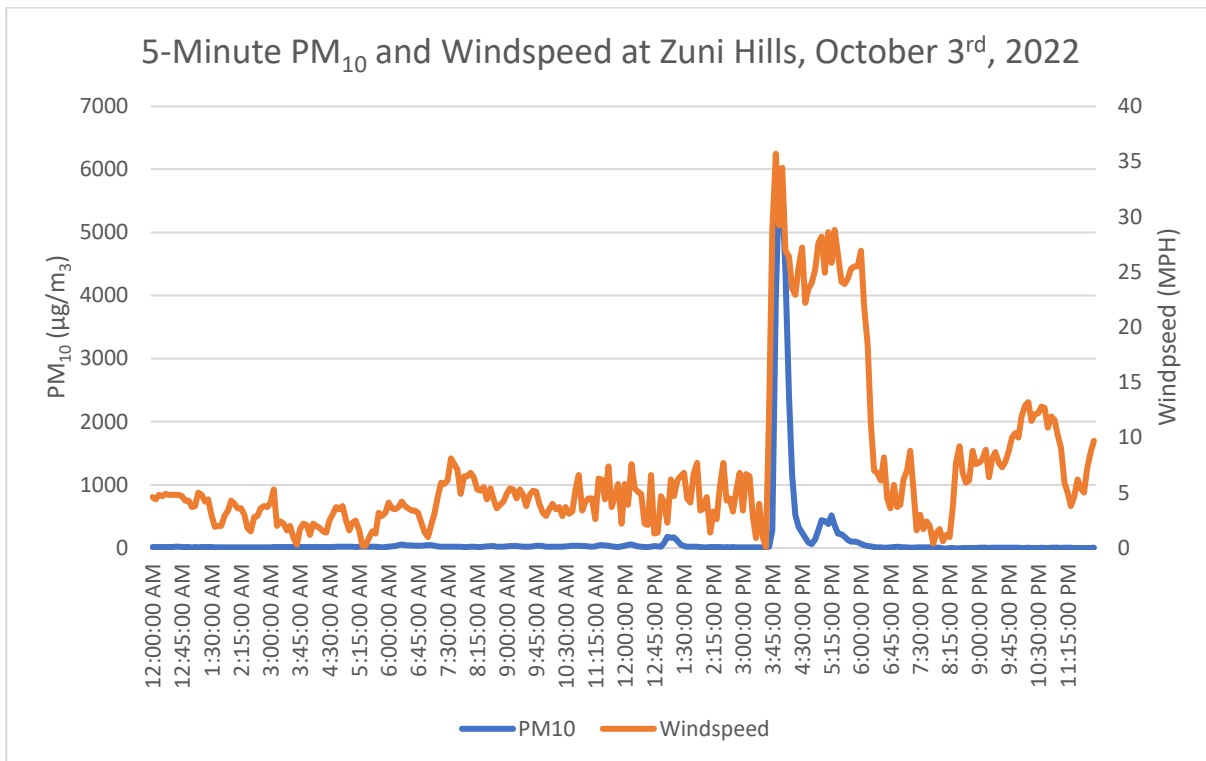


Figure 16: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Zuni Hills monitor on October 3rd, 2022.



As shown in **Figures 15** and **16**, both West 43rd Avenue and Zuni Hills monitor showed similar increasing trends in windspeed to greater than 25 mph and coinciding increasing trends in PM₁₀ to their maximum concentration recorded around similar times on the afternoon of October 3rd, 2022.

Based on PM₁₀ wind roses for the West 43rd Avenue monitor, and wind direction recorded at NOAA KPHX, the primary direction of the high winds recorded with PM₁₀ concentrations greater than 1,000 µg/m³ was north and northeast. Zuni Hills monitor is approximately 21 northwest of the West 43rd Avenue monitor and could send an influx of blowing dust south and southwest to the West 43rd Avenue monitor area during the thunderstorms on October 3rd, 2022.

The thunderstorm conditions moved relatively quickly throughout the Phoenix Area, and high wind and dust storm conditions ended at West 43rd Avenue and Zuni Hills monitor around 6:15 P.M. Although the storm event causing PM₁₀ exceedances at the Zuni Hills and West 43rd monitors was brief, the intensity of the dust storm raised PM₁₀ concentrations significantly, resulting in West 43rd Avenue monitor exceeding the 24-hour average PM₁₀ NAAQS with a level of 316.8 µg/m³, nearly twice the allowable limit.

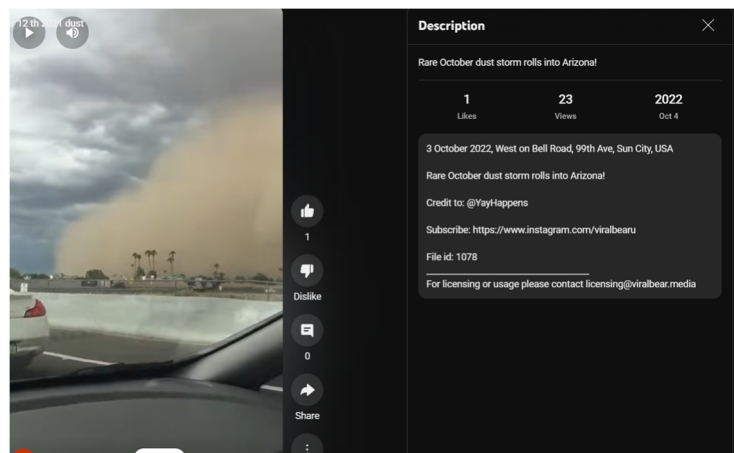
Data from NOAA KPHX also displays this increase in windspeed and blowing dust conditions around the same time that the NOAA Storm Events Reports denotes dust storm advisories and West 43rd Avenue and Zuni Hills monitors recorded their highest wind speeds. **Table 14** presents the highest wind speeds, wind gusts, and corresponding weather conditions recorded at NOAA KPHX on October 3rd, 2022.

Table 14: NOAA KPHX Weather for October 3 rd , 2022						
Date	Time	Hourly-Averaged Windspeed (MPH)	Wind Gust Recorded (MPH)	Weather Conditions Noted	Visibility (miles)	Wind Direction
10/3/2022	4:20 P.M.	33	44	-	7	NNW
10/3/2022	4:22 P.M.	31	45	Blowing Dust	2.5	NNW
10/3/2022	4:25 P.M.	36	-	Blowing Dust	2.5	N
10/3/2022	4:28 P.M.	31	46	Blowing Dust	3	N
10/3/2022	4:30 P.M.	32	41	Blowing Dust	5	N
10/3/2022	4:35 P.M.	37	43	-	7	NNW
10/3/2022	4:37 P.M.	36	53	Haze	6	NNW
10/3/2022	4:40 P.M.	40*	51	Haze	5	N
10/3/2022	4:45 P.M.	39	49	Blowing Dust	5	N
10/3/2022	4:50 P.M.	35	47	Blowing Dust	7	N
10/3/2022	4:51 P.M.	33	58*	Blowing Dust	6	N
10/3/2022	4:55 P.M.	35	48	-	9	N
10/3/2022	5:00 P.M.	37	46	-	10	N
Source: NOAA Weather for Phoenix, Phoenix Sky Harbor International Airport, AZ on 10/03/2022. Link: https://www.weather.gov/wrh/timeseries?site=KPHX&hours=72&units=english&chart=on&headers=on&obs=tabular&hourly=false&pview=standard&font=12&history=yes&start=20221002&end=20221004						
Notes:						
* Highest windspeed or wind gust recorded for the day						
- no observation recorded						

As shown in **Table 14**, high windspeeds recorded at NOAA KPHX coincide with the high windspeeds and peak PM₁₀ levels recorded at the West 43rd Avenue and Zuni Hills monitor for the afternoon of October 3rd, 2022. Haze and blowing dust were noted from 4:22 P.M. to 4:50 P.M. on October 2nd, 2022, which

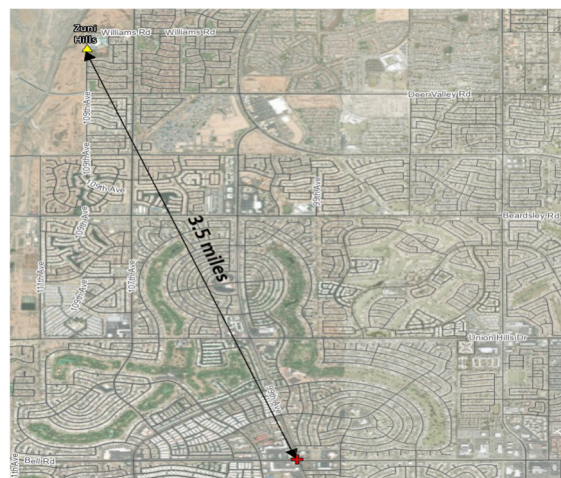
aligns with NOAA Storm Event Report describing dust storms occurring throughout the Phoenix Area. Per the Zuni Hills and West 43rd Avenue monitor wind rose and NOAA KPHX wind direction, the storm moved north and northwest to south and southwest as it progressed. Zuni Hills monitors experienced high wind and blowing dust conditions prior to NOAA KPHX and West 43rd Avenue, they are further south. As the storm progressed south towards NOAA KPHX, visibility decreased drastically, coinciding with haze and visible dust being noted in its forecast. Additionally, the blowing dust and peak wind gusts of 58 mph, along with the highest windspeed of 40 mph recorded at NOAA KPHX, coincided with the highest PM₁₀ levels recorded at the West 43rd Avenue monitor, which is 43rd is only 7 miles southwest of NOAA KPHX, around 4:50 P.M. on October 3rd, 2022. The photograph below shows snapshots of a video recording taken on October 3rd, 2022, of a cloud of blowing dust in Sun City, approximately 3.5 miles southeast of Zuni Hills monitor.

Photograph: Social media video of dust storm conditions at Bell Road and 99th Avenue, in Sun City, Arizona on October 3rd, 2022.¹⁶



As shown in the photograph above, there were visuals of blowing dust in the immediate vicinity of Zuni Hills monitor on October 3rd, 2022. **Figure 17** below shows the distance between the location where the photograph was taken and Zuni Hills monitor.

Figure 17. Distance between Zuni Hills monitor dust cloud from photograph taken on October 3rd, 2022, in Sun City, Arizona.



¹⁶ <https://youtube.com/shorts/bulSdcQVFYA?si=xXpOjX0uVnyJN6i8>

The photographs below show ADEQ's Visibility Camera Historical Archive photos of the Phoenix Area at the time prior to and during the dust storm and thunderstorm conditions on the afternoon of October 3rd, 2022. Note the dust storm conditions and dust clouds were documented to hit the Phoenix Area around 4:00 P.M., as shown in NOAA KPHX and MCAQD monitoring data.

South Mountain Camera, 3:15 P.M.



South Mountain Camera, 4:00 P.M.



Camelback Mountain Camera, 4:00 P.M.



Camelback Mountain Camera, 4:15 P.M.



White Tank Mountains Camera, 4:00 P.M.



White Tank Mountains Camera, 4:15 P.M.



Superstition Mountains Camera, 4:00 P.M.



Superstition Mountains Camera, 5:00 P.M.



Estrella Mountains Camera, 3:45 P.M.



Estrella Mountains Camera, 4:15 P.M.



July 21st, 2023, Atypical Event

Per NOAA Storm Event Reports, thunderstorm activities and severe winds were noted Southeastern Arizona on this day as a result of monsoon like conditions moving west across Southern Arizona during the afternoon of July 21st, 2023¹⁷. As the monsoon conditions winds moved further west and northwest towards the Phoenix area, thunderstorms hit the Phoenix area on the evening of July 21st, 2023, resulting in high winds and blowing dust throughout the region. In addition, the Chimney Fire began on July 19th, 2023, burning over 1,600 acres on the far east side of the Santa Catalina Mountains in Northeast Pima County (approximately 110 miles southeast of Phoenix), resulting in smoke and hazy conditions in southeastern Arizona¹⁸.

Winds carried smoke and particulate matter from the Chimney Fire westward toward the Phoenix area from July 19–23, 2023, driven by the summer monsoon conditions that brought strong winds to southern Phoenix. According to discussions with Rone Pope, an Atmospheric Scientist with ADEQ's Air Quality Department on February 13th, 2025, ADEQ monitoring data from July 20th, 2023, indicates haboob conditions across Phoenix, with periodic spikes in wind gusts coinciding with increased PM₁₀ concentrations at on this date. For more details on this data, please refer to **Appendix D**.

Nearly all Maricopa County monitors recorded elevated wind gusts and speeds between 5:00 PM and 10:00 PM on July 20th. Zuni Hills experienced gusts up to 22 mph, while Central Phoenix (near NOAA KPHX) recorded gusts up to 24 mph, consistent with other countywide readings (**Appendix D**). These winds, driven by monsoon thunderstorms, lifted dust and particulate matter, dispersing them throughout the Phoenix area. Combined with smoke from the Chimney Fire, this resulted in decreased visibility and haze, which settled over the Phoenix Area by the early morning of July 21st. NOAA KPHX station data confirmed reduced visibility that morning, along with increases in PM₁₀ concentrations at both Zuni Hills and West 43rd Avenue monitors. Please refer to **Table 16** and the figures at the end of this section for more details. Additional high winds from summer monsoon-related thunderstorms, exceeding 25 mph, moved northeast from southern Arizona on the late evening of the 20th into the early morning of the 21st. According to MesoWest Surface Weather Maps, data from OTMA3—a Remote Automatic Weather Service station operated by the National Interagency Fire Center, located about 65 miles southwest of the Zuni Hills monitor—recorded wind speeds above 25 mph between 3:00 A.M. and 4:00 A.M.¹⁹, blowing northeast toward the Phoenix area and Zuni Hills. These winds align with elevated wind speeds in combination with visible haze from Chimney Fire smoke, and blowing dust from thunderstorm activity affecting the area, as observed in weather data around Phoenix between 5:00 A.M. and 6:00 A.M. on the 21st.

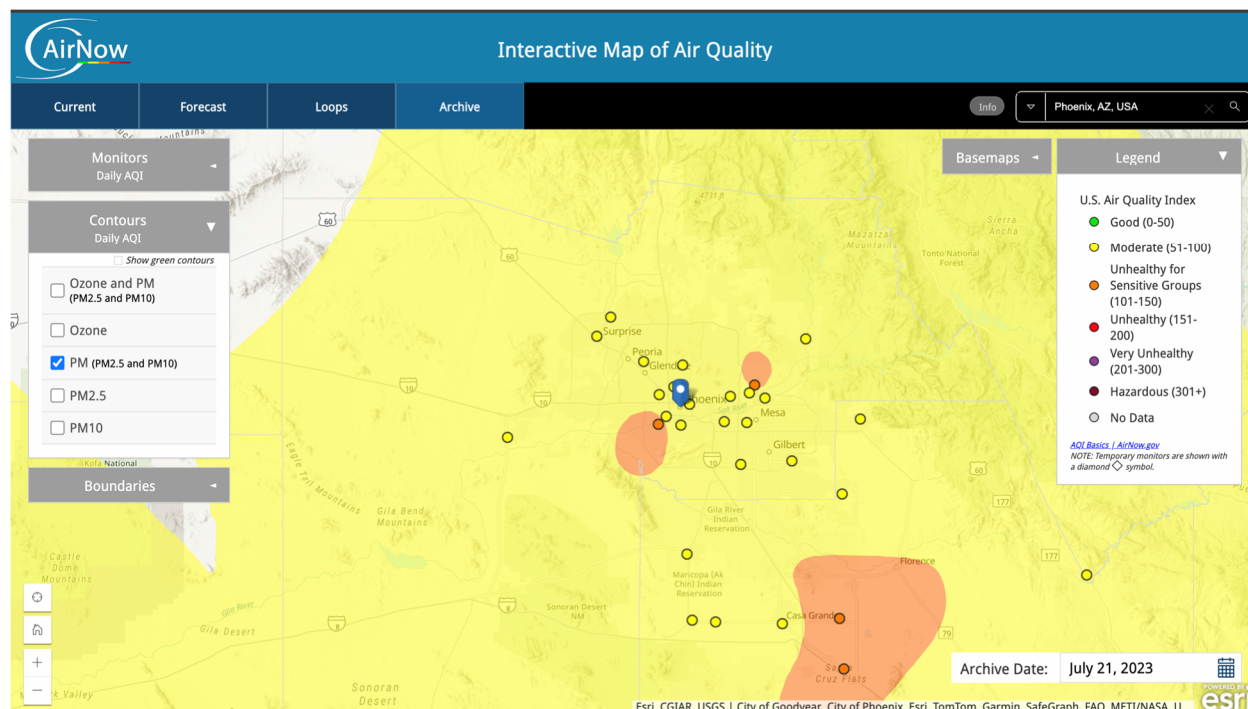
According to NOAA KPHX data and ADEQ's Visibility Camera Historical Archive photos, beginning in the early morning of July 21st, there was decreased visibility and haze observed throughout the Phoenix Area. Visible haze in the atmosphere can be seen in photos from the South Mountain and Estrella Mountains Cameras, looking southwest from North Mountain towards Central Phoenix and NOAA KPHX at 6:45 AM. As a result, the Phoenix area's Air Quality Index (AQI) values were listed as moderate to unhealthy for sensitive groups on July 21st, 2023.

¹⁷NOAA, *Storm Events Database*, Event Details "1121576," <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=1121576>.

¹⁸ NOAA, *Storm Events Database*, Event Details "1125390", <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=1125390>

¹⁹ MesoWest, *Surface Weather Maps, Arizona Region - OATMAN3 Station*, "7/21/23 Windspeed Station Observations", <https://mesowest.utah.edu/cgi-bin/droman/mesomap.cgi?state=AZ&rawsflag=3>

Per U.S. EPA's AirNow interactive Map of Air Quality dashboard²⁰, the Zuni Hills AQI for ozone and particulate matter was 86, and the West Chandler monitor's AQI for ozone and particulate matter was 94 on July 21st, 2023. The photo below shows the Phoenix area's particulate matter and AQI values for July 21st, 2023. Areas shown in yellow are listed with moderate AQI values, and areas shown in orange are listed with unhealthy for sensitive groups AQI values. West 43rd Avenue monitor was within a portion of the Phoenix Area that was considered unhealthy for sensitive groups for July 21st, 2023.



Windspeeds periodically increased throughout the day, as the thunderstorms moved into the Phoenix Area. Wind gusts up to 28 mph were recorded at NOAA KPHX station at 6:50 A.M., up to 24 mph at 4:00 P.M., and up to 26 mph at 7:30 P.M. resulting in decreased visibility from blowing dust in the Phoenix Area. This blowing dust may be residual from the haze that settled over the Phoenix area in the morning, which saw a spike in PM₁₀ concentrations at both Zuni Hills and West 43rd Avenue, as a result from smoke and particulate matter transported from the Chimney Fire in Northeast Pima County. Additionally, the previous day's monsoon conditions, which brought high winds and increase in blown dust, likely contributed to the dispersion of these particulates across the region on July 20th, 2023, and the early morning of July 21st, 2023. As the day progressed into the evening, these thunderstorm conditions focused over the Phoenix Area and multiple peaks in PM₁₀ concentrations were recorded at Zuni Hills and West 43rd Avenue monitors.

Due to the thunderstorm conditions moving north into the Phoenix Area, windspeeds over 25 mph were recorded at NOAA KPHX, 24-hour average PM₁₀ NAAQS exceedances were recorded at West 43rd Avenue monitor, and elevated concentrations of PM₁₀ were recorded at Zuni Hills monitor on the evening of the 21st. Although the Zuni Hills monitor did not exceed 24-hour average PM₁₀ NAAQS on July 21st, 2023, elevated concentrations of PM₁₀ were identified at the monitor on this date, which occurred prior to the

²⁰U.S. EPA, Air Now, Air Quality Archive Data, accessed December 18, 2024, <https://gispub.epa.gov/airnow/?archivedates=07%2F21%2F2023&monitors=pm10&boundaries=county&contours=pm&showlegend=no&tab=archive&xmin=-13334403.77352085&xmax=-11573294.641830858&ymin=3530985.6275526467&yymax=4360174.510390018>.

NAAQS PM₁₀ exceedances at West 43rd Avenue and align with blowing dust conditions and high windspeeds noted at NOAA KPHX and West 43rd Avenue monitor.

Table 15 shows the windspeed levels and highest PM₁₀ concentrations recorded for July 21st, 2023, at West 43rd Avenue and Zuni Hills monitor.

Table 15: Windspeed and PM ₁₀ Data for July 21 st , 2023						
Site	Date	24-hour average PM ₁₀ (µg/m ³)	Max Hourly-Averaged Windspeed (MPH)	Time	Max Wind Gust (MPH)	Time
West 43 rd Avenue	7/21/2023	216.9*	21.8	11:05 P.M.	22.3	11:05 P.M.
Zuni Hills	7/21/2023	125	19.9	6:30 P.M.	20.2	6:30 P.M.
Source: Maricopa County Air Quality Departments (MCAQD) Air Quality Planning & Analysis Division, West 43 rd Avenue and Zuni Hills Air Quality Monitoring Station Data for July 21 st , 2023.						
Notes: *Measurement exceeds PM ₁₀ NAAQS.						

As shown in **Table 15**, on July 21st, 2023, 24-hour average PM₁₀ NAAQS were exceeded in the late evening and windspeeds were recorded of over 20 mph at West 43rd Avenue monitor. As windspeeds increased the night of the 21st, PM₁₀ concentrations rose as well, resulting in the highest level of PM₁₀ recorded at 11:20 P.M. of 2,825.8 µg/m³. Earlier in the evening, Zuni Hills monitor recorded a max windspeed of 19.9 mph and wind gust of 20.2 mph at 6:30 P.M. This max wind speed and wind gust speed coincide with the highest PM₁₀ concentration recorded of 872.8 µg/m³ **Figures 21** and **22** below shows the corresponding increase in 5-minute PM₁₀ concentrations and in windspeeds recorded on July 21st, 2023, at West 43rd Avenue and Zuni Hills monitor.

Figure 21: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at West 43rd Avenue monitor on July 21st, 2023.

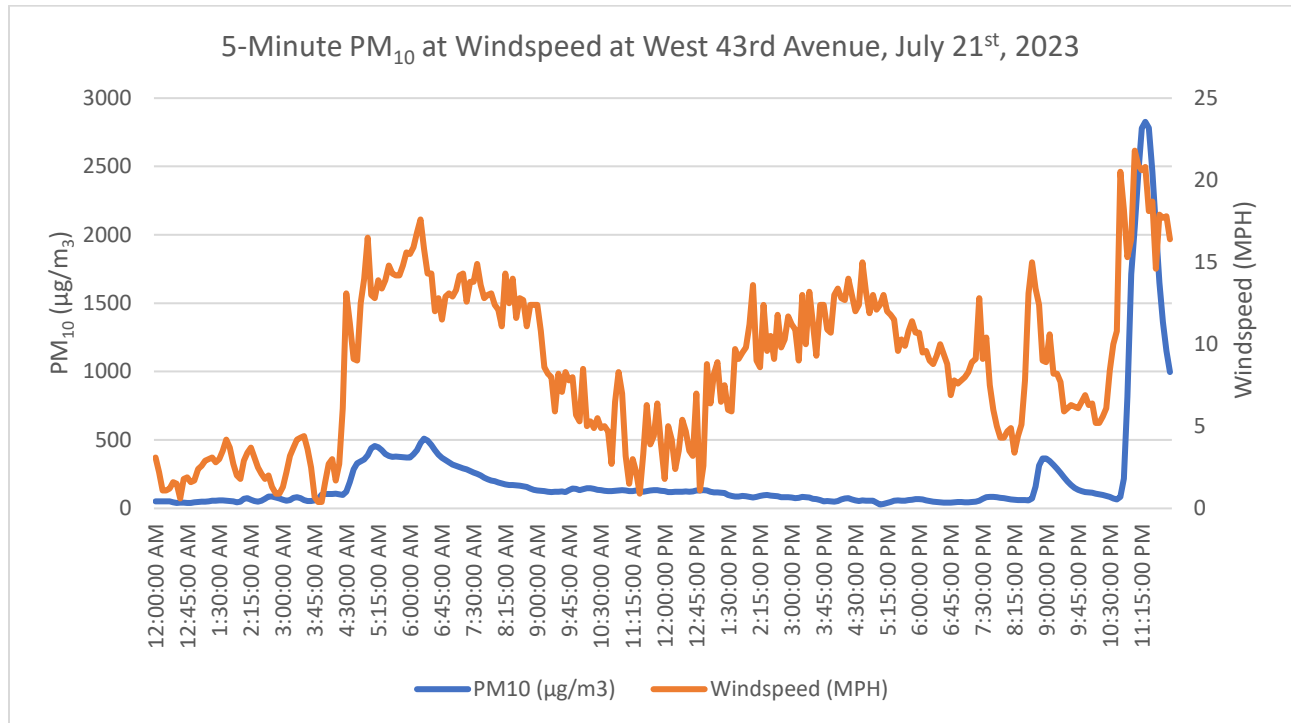
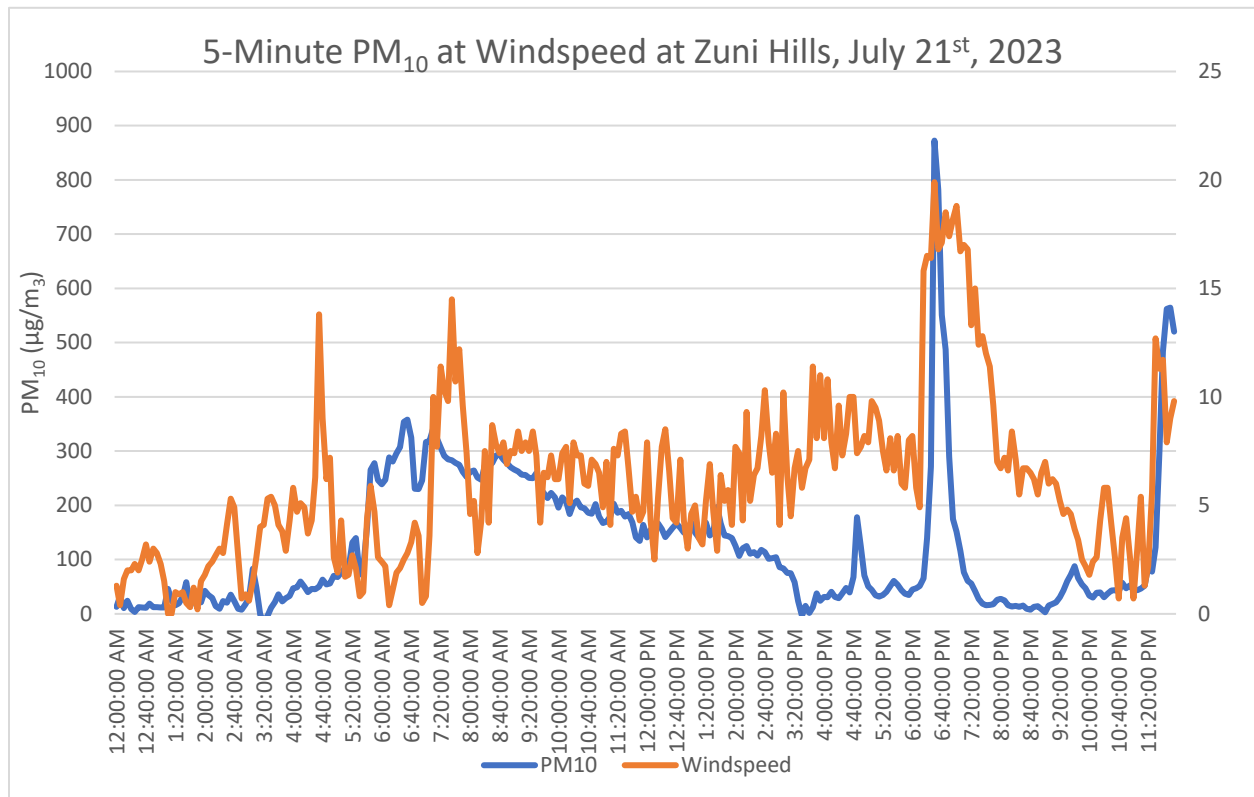


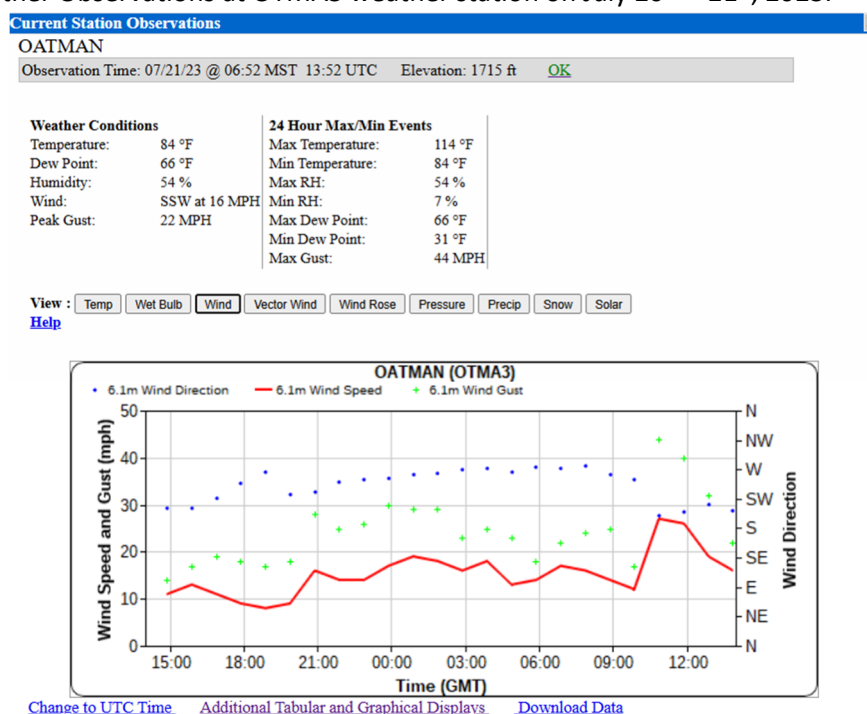
Figure 22: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Zuni Hills monitor on July 21st, 2023.



As shown in **Figure 21**, as windspeeds peaked at their highest level at 11:05 P.M. on the night of July 21st, 2023, at the West 43rd Avenue monitor, PM₁₀ levels also increased to their maximum values, well over NAAQS thresholds. As such, the 24-hour average PM₁₀ level at the West 43rd Avenue monitor exceeded NAAQS standards on July 21st, 2023. The peaks in windspeed throughout the day noted at Zuni Hills monitor follow the increases and peaks noted in PM₁₀ concentration as well, as shown in **Figure 22**.

Although windspeeds did not exceed 25 mph at either monitor, windspeed levels over 25 mph were recorded at NOAA KPHZ at similar times coinciding with the thunderstorm conditions noted in weather reports throughout the Phoenix Area. Additionally, the smaller peaks in windspeed and PM₁₀ concentrations recorded at the Zuni Hills and West 43rd Avenue monitors between 6:00 and 7:30 A.M. and 3:30 and 9:00 P.M. coincide with noted increases in windspeeds at NOAA KPHX. ²¹as shown in **Figure 22**. The early morning spikes in PM₁₀ identified at Zuni Hills were attributed to these northeasterly blowing winds due to the monsoon thunderstorm conditions impacting southern Arizona on July 20th and July 21st, 2023. As noted at the OATMA3 weather station, northeasterly winds coming from the Gila Bend area, approximately 65 miles northwest of Zuni Hills monitor, tracked winds of up to 25 miles an hour around 3:00 to 4:00 A.M., the morning of the 21st, and pushed towards the Phoenix Area between 5:00 A.M. and 6:00 A.M., as noted in NOAA KPHX data and Zuni Hills monitor data. **Figure 23** below shows the windspeed trends and direction recorded at OATMA3 weather station between July 20th and 21st, 2023.

Figure 23: Weather Observations at OTMA3 weather station on July 20th – 21st, 2023.



These northeasterly winds in the early morning of July 21st moved dust into the Phoenix area resulting in early morning haze and decreased visibility noted in combination with the smoke from the Chimney Fire, resulting in peaks of PM₁₀ concentrations noted beginning around 4:30 A.M., and noted later around 6:00

²¹ MesoWest, *Surface Weather Maps, Arizona Region - OATMAN3 Station, "7/21/23 Windspeed Station Observations"*, <https://mesowest.utah.edu/cgi-bin/droman/mesomap.cgi?state=AZ&rawsflag=3>

A.M. in the NOAA KPHX data. **Table 16** shows the time where the highest wind speeds, wind gusts, and their corresponding weather conditions were recorded at NOAA KPHX on July 21st, 2023.

Table 16: NOAA KPHX Weather for July 21 st , 2023						
Date	Time	Hourly-Averaged Windspeed (MPH)	Wind Gust Recorded (MPH)	Weather Conditions Noted	Visibility (miles)	Wind Direction
7/21/2023	6:51 A.M.	17	28	-	10	NW
7/21/2023	6:55 A.M.	18	25	Haze	6	NW
7/21/2023	7:00 A.M.	20	20	Haze	6	WNW
7/21/2023	7:20 A.M.	18	28	-	10	NW
7/21/2023	3:51 P.M.	16	21	-	10	WNW
7/21/2023	4:30 P.M.	18	24	-	10	WNW
7/21/2023	5:35 P.M.	14	20	-	10	W
7/21/2023	7:25 P.M.	15	25	-	10	NNW
7/21/2023	7:25 P.M.	13	26	-	10	NNW
7/21/2023	8:25 P.M.	25	-	-	9	NNE
7/21/2023	8:35 P.M.	21	-	-	7	ENE
7/21/2023	10:45 P.M.	25	36	Haze	5	SSE
7/21/2023	10:50 P.M.	23	33	Blowing dust	3	SSE
7/21/2023	10:51 P.M.	26	45	Blowing dust	3	SSE
7/21/2023	10:55 P.M.	35*	44	Blowing dust	3	S
7/21/2023	11:00 P.M.	32	43	Blowing dust	4	S
7/21/2023	11:05 P.M.	32	46*	Haze	4	S
7/21/2023	11:10 P.M.	24	32	Haze	4	S
7/21/2023	11:15 P.M.	28	38	Haze	5	S
7/21/2023	11:20 P.M.	18	24	Haze	6	S
7/21/2023	11:25 P.M.	26	33	-	7	S
7/21/2023	11:30 P.M.	30	-	-	7	S
7/21/2023	11:35 P.M.	23	31	-	7	S
7/21/2023	11:40 P.M.	24	32	-	7	SSW
7/21/2023	11:45 P.M.	18	25	-	8	S
7/21/2023	11:50 P.M.	21	-	-	10	S
7/21/2023	11:51 P.M.	20	30	-	10	SSW
Source: NOAA Weather for Phoenix, Phoenix Sky Harbor International Airport, AZ on 07/21/2023 Link: https://www.weather.gov/wrh/timeseries?site=KPHX&hours=72&units=english&chart=on&headers=on&obs=tabular&hourly=false&pview=standard&font=12&history=yes&start=20230720&end=20230722 Notes: * Highest windspeed or wind gust recorded for the day - no observation recorded						

As shown in **Table 16**, NOAA KPHX noted haze, blowing dust, and high windspeeds with wind gusts over 25 mph throughout the day on July 21st, 2023. The peaks in PM₁₀ concentration at 6:35 A.M. of 358.1 µg/m³ at Zuni Hills monitor and 495.2 µg/m³ at 6:25 A.M. at West 43rd Avenue monitor both follow recorded peaks in 5-minute windspeed at these locations and coincide with the wind gust speeds over 24 mph and lowered visibility recorded at NOAA KPHX during this time.

Based on the wind direction recorded during this time, winds were moving from the southeast and east to Central Phoenix and the NOAA KPHX station, towards Zuni Hills and West 43rd Avenue. Given the storm conditions developing over southeastern Arizona and moving west and northwest towards the Phoenix area, wind gusts and elevated wind speeds could have pushed concentrations of PM₁₀ in the direction of the monitors and NOAA KPHX, creating concentrated pockets of haze and particulate matter that moved from the southeast into the Phoenix area as the storm advanced northwest. This is evident in the slight peaks in PM₁₀ observed at monitors around 6:45 A.M., as well as in the EPA AQI air data, which shows an AQI greater than 100 southwest of the Phoenix area in Casa Grande for July 21st, 2023.

Similarly, the afternoon PM₁₀ concentration peaks of 178.1 µg/m³ at 4:45 P.M. at Zuni Hills monitor that followed a gradual increase in 5-minute windspeeds directed east towards NOAA KPHX, align with NOAA KPHX's gradual increase in windspeeds of up to 24 mph at 4:51 P.M. By midafternoon, wind continued to flow east and southeast over Zuni Hills and West 43rd Avenue monitor until approximately 7:00 P.M. towards NOAA KPHX and Central Phoenix. As the thunderstorm conditions carried blowing dust east across the Phoenix Area towards Zuni Hills monitor, PM₁₀ concentrations continued to rise, until the highest concentration of PM₁₀ recorded at Zuni Hills of 872.8 µg/m³ at 6:30 P.M. This peak concentration also aligns with the highest windspeed recorded at Zuni Hills monitor for July 21st, 2023, of 20 mph.

The West 43rd Avenue monitor did not record any peaks in PM₁₀ concentrations again until 9:00 P.M., shortly after decreased visibility and wind speeds of up to 25 mph were recorded at NOAA KPHX. As winds moved east and northeast towards NOAA KPHX from West 43rd Avenue, beginning around 7:15 P.M., they pushed up dust and haze into the atmosphere, increasing PM₁₀ concentrations to 249 µg/m³ at 9:00 P.M. at the West 43rd Avenue monitor, which then flowed east towards NOAA KPHX.

The change in wind direction from primarily west and northwest to south and southwest later in the day (after 7:00 P.M., per NOAA KPHX), may account for the difference in times that the West 43rd and Zuni Hills monitors recorded their highest PM₁₀ concentrations on July 21st, 2023. With the change in wind directions flowing east and then north towards Central Phoenix, to north and northwest areas of Central Phoenix experienced higher PM₁₀ concentrations later in the day, and when thunderstorm conditions pushed winds north and northwest later in the evening resulted in the previously higher concentration area's pushing their dust back towards NOAA KPHX, towards West 43rd Avenue and Zuni Hills monitor. As such, West 43rd Avenue recorded its highest PM₁₀ concentration of 2,825.8 µg/m³ at 11:25 P.M.

The highest windspeed recorded at NOAA KPHX was 35 mph at 10:55 P.M., with blowing dust and a decreased visibility of 3 miles. The highest wind gust was recorded at 11:05 P.M., of 46 mph. The high windspeeds and wind gusts decreased visibility, and noted blowing dust at NOAA KPHX corresponds to similar conditions noted at West 43rd Avenue monitor on the night of July 21st, 2023. Low visibility due to blowing dust and haze in the atmosphere from thunderstorm activity around the time of the highest PM₁₀ concentration noted at West 43rd Avenue and resulted in 24-hour average PM₁₀ concentrations to be exceeded on July 21st, 2023.

The photographs below show ADEQ's Visibility Camera Historical Archive photos of the Phoenix Area at the time prior to and during the dust storm and thunderstorm conditions on the evening of July 21st, 2023. Note that haze conditions were recorded around 6:00 A.M. at NOAA KPHX, resulting in reduced visibility. Haze was then followed by thunderstorm weather conditions such as high winds and associated dust accumulation in the early afternoon to early evening, and blowing dust was recorded the evening of July 21st as well, following the southwesterly high winds due to the day's thunderstorm conditions.

South Mountain Camera, 6:15 A.M.

South Mountain Camera, 6:45 A.M.



Camelback Mountain Camera, 7:00 A.M.



Camelback Mountain Camera, 11:00 P.M.



Camelback Mountain Camera, 7:00 P.M.



Camelback Mountain Camera, 8:45 P.M.



Superstition Mountains Camera, 9:00 P.M.



Superstition Mountains Camera, 11:00 P.M.



Superstition Mountains Camera, 3:00 P.M.



Superstition Mountains Camera, 7:45 P.M.



Estrella Mountains Camera, 5:45 A.M.



Estrella Mountains Camera, 10:30 P.M.



White Tank Mountains Camera, 6:45 A.M.



White Tank Mountains Camera, 6:45 P.M.



Note: There are no images available in the archive for South Mountain camera after 12:45 P.M., for Estrella Mountains camera after 10:30 P.M. on July 21, 2023

July 26th, 2023, Atypical Event

A subtropical high-pressure system situated across New Mexico created a southeasterly wind flow in Arizona resulting in thunderstorm activity developing across Southeastern Arizona on the afternoon of July 26th, 2023²². Per NOAA Storm Event page for Mesa and Maricopa County on July 26th, 2023, these thunderstorms created strong downburst of winds and were responsible for dense blowing dust conditions noted across Pinal and Maricopa Counties and affected portions of the Phoenix Area. Thunderstorms, high wind, and dust storms were noted in 36 NOAA Storm Events weather reports in southeastern Arizona counties between July 26th and July 27th, 2023²³. In addition to these reports noting dust storm conditions, 24-hour average PM₁₀ NAAQS exceedances at Higley monitor, and windspeeds and wind gust speeds over 25 mph were recorded at Zuni Hills and Higley monitors on July 26th, 2023. Although Zuni Hills did not record an exceedance in 24-hour average PM₁₀ NAAQS, the monitors PM₁₀ concentrations still rose to higher-than-normal levels, coinciding with windspeeds over 25 mph and thunderstorm activity in the Phoenix Area.

Data from the NOAA KPHX also recorded these thunderstorms and resulting high winds and blowing dust conditions. **Table 17** lists the 24-hour average PM₁₀ concentrations, and highest windspeeds and wind gusts recorded at the Higley and Zuni Hills monitor on July 26th, 2023.

Table 17: Windspeed and PM ₁₀ Data for July 26 th , 2023						
Site	Date	24-hour average PM ₁₀ (µg/m ³)	Max Hourly-Averaged Windspeed (MPH)	Time	Max Wind Gust (MPH)	Time
Higley	7/26/2023	165.3*	30.5	9:45 P.M.	31.1	9:45 P.M.
Zuni Hills	7/26/2023	120	32.4	10:50 P.M.	32.9	10:50 P.M.
Source: Maricopa County Air Quality Departments (MCAQD) Air Quality Planning & Analysis Division, Higley and Zuni Hills Air Quality Monitoring Station Data for July 26 th , 2023.						
Notes: *Measurement exceeds PM ₁₀ NAAQS.						

As shown in **Table 17**, on July 26th, 2023, the highest wind speed of 30.5 mph and wind gust of 31.1 were recorded at 9:45 P.M. at Higley monitor, and 32.4 mph windspeed and 32.9 mph wind gust at 9:45 P.M. Zuni Hills monitor. As windspeeds increased the night of July 26th, 2023, PM₁₀ concentrations rose as well, resulting in the highest level of PM₁₀ recorded at 9:45 P.M. of 5,125 µg/m³ at Higley monitor, and 5,704 µg/m³ at 10:55 P.M. at Zuni Hills monitor. **Figure 24** and **25** below shows the corresponding increase in 5-minute PM₁₀ with the increase in windspeeds to greater than 25 mph on the evening of July 26th, 2023, at Higley and Zuni Hills monitors.

²² NOAA, *Storm Events Database*, Event Details "1121093," <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=1121093>.

²³ NOAA, *Storm Events Database*, "Events in Arizona from July 26–27, 2023," https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=ALL&beginDate_mm=07&beginDate_dd=26&beginDate_yy=2023&endDate_mm=07&endDate_dd=27&endDate_yyyy=2023&county=ALL&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=4%2CARIZONA.

Figure 24: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Higley monitor on July 26th, 2023.

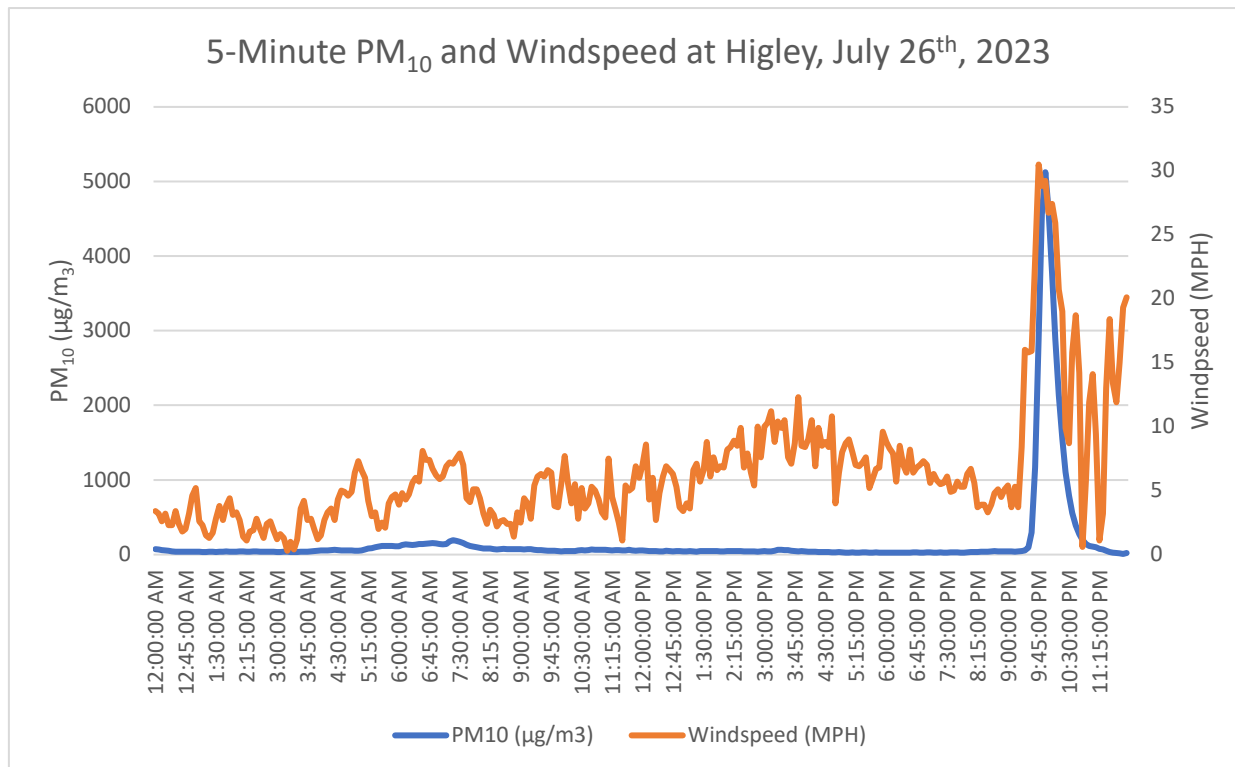
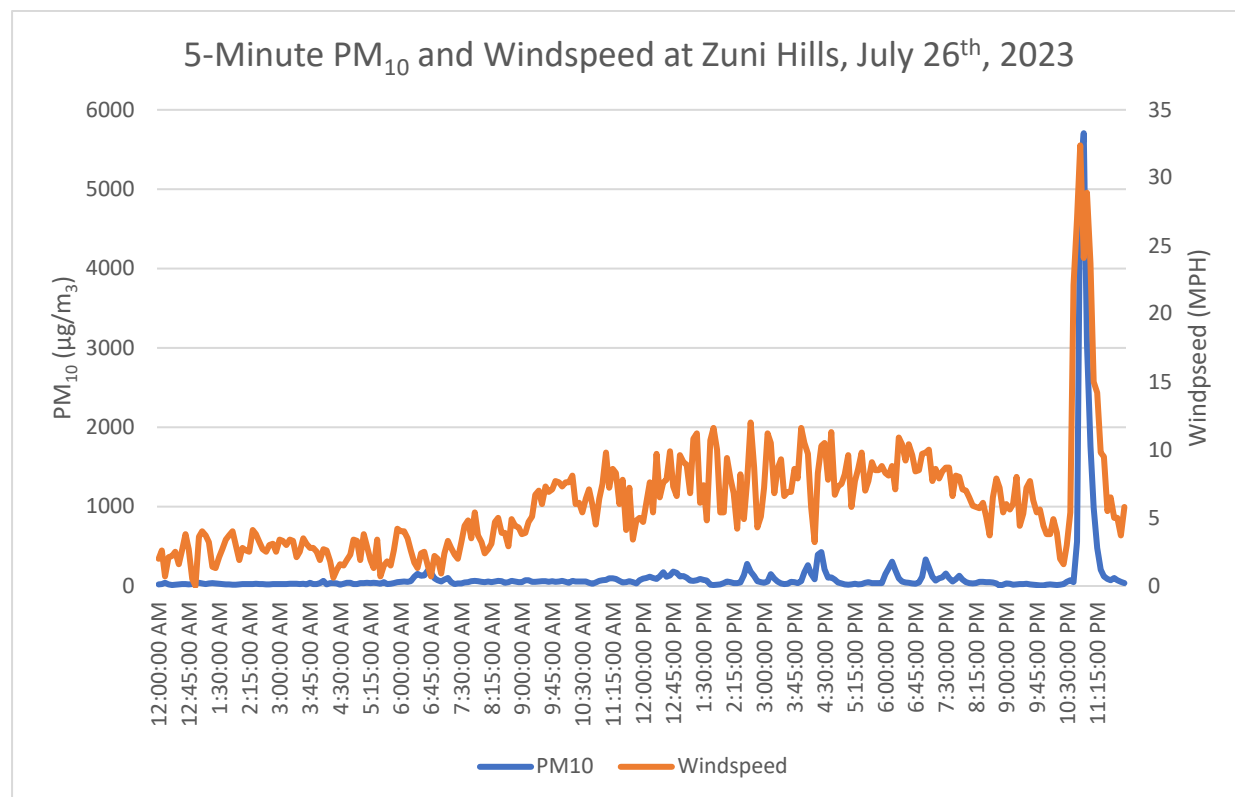


Figure 25: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Zuni Hills monitor on July 26th, 2023.



As shown in **Figure 24**, the highest wind speed recorded of 30.5 mph at 9:45 P.M. coincides with the peak in PM₁₀ concentrations at the Higley monitor shortly after at 9:55 P.M. on July 26th, 2023. In **Figure 25**, the highest windspeed recorded of 32.4 mph at 10:50 P.M. coincides with the peak in PM₁₀ concentrations at the Zuni Hills monitor shortly after at 10:55 P.M. on July 26th, 2023.

On July 26th, 2023, thunderstorm conditions resulting in high winds and blowing dust began in afternoon but slowly began to increase in the evening as thunderstorms drifted into the Phoenix Area. These high windspeeds and resulting blowing dust on the evening of July 26th, 2023, were also recorded at NOAA KPHX, where windspeeds reached up to 29 mph and wind gusts were recorded up to 43 mph. **Table 18** below shows the data recorded for the evening of July 26th, 2023, at NOAA KPHX during the time when max windspeeds and PM₁₀ concentrations were recorded at Higley and Zuni Hills monitor.

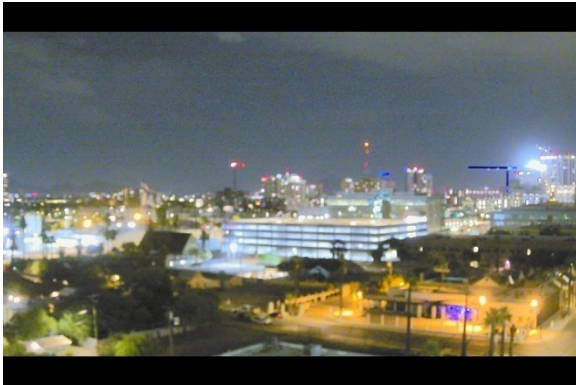
Table 18: NOAA KPHX Data for July 26 th , 2023						
Date	Time	Hourly-Averaged Windspeed (MPH)	Wind Gust Recorded (MPH)	Weather Conditions Noted	Visibility (miles)	Wind Direction
7/26/2023	9:50 P.M.	20	41	Blowing dust	6	SSE
7/26/2023	9:51 P.M.	25	43*	Blowing dust	3	SSE
7/26/2023	9:55 P.M.	18	-	Blowing dust	1.75	SSE
7/26/2023	9:57 P.M.	17	43*	-	0.5	S
7/26/2023	10:00 P.M.	17	-	-	0.5	S
7/26/2023	10:05 P.M.	25	38	-	0.5	SSE
7/26/2023	10:10 P.M.	23	29	-	0.5	SSE
7/26/2023	10:15 P.M.	23	36	-	0.5	SSE
7/26/2023	10:18 P.M.	29*	41	-	0.5	SE
7/26/2023	10:20 P.M.	25	43*	Blowing dust	2	SE
7/26/2023	10:25 P.M.	23	43*	Blowing dust	2.5	ESE
7/26/2023	10:30 P.M.	22	31	Blowing dust	3	E
7/26/2023	10:35 P.M.	22	30	Blowing dust	6	E
7/26/2023	10:40 P.M.	25	31	-	8	ENE
7/26/2023	10:43 P.M.	26	35	Thunder	8	E
7/26/2023	10:45 P.M.	23	-	-	8	E
7/26/2023	10:51 P.M.	18	30	Thunder	9	E
Source: NOAA Weather for Phoenix, Phoenix Sky Harbor International Airport, AZ on 07/26/2023 Link: https://www.weather.gov/wrh/timeseries?site=KPHX&hours=72&units=english&chart=on&headers=on&obs=tabular&hourly=false&pview=standard&font=12&history=yes&start=20230725&end=20230727 Notes: * Highest windspeed or wind gust recorded for the day - no observation recorded						

As shown in **Table 18**, on the evening of July 26th, 2023, around 9:50 P.M. blowing dust and wind speeds and wind gusts greater than 25 mph were recorded at NOAA KPHX. The highest wind speed recorded at NOAA KPHX was 29 mph, before and after multiple recordings of wind gust speeds reaching 43 mph. The highest windspeed and wind gusts recorded shown in **Table 18** correspond with the similar time frame at which the highest windspeeds, wind gusts, and PM₁₀ concentrations were recorded at Higley monitor on July 26th, 2023, peaking at 9:55 P.M. **Table 18** shows that blowing dust and high winds were noted at 9:50 P.M., with noted decrease in visibility to ½ a mile during this time and continued until about 10:50 P.M.

In addition, thunder conditions and wind gusts greater than 25 mph are recorded again at the time of the highest windspeed noted at Zuni Hills monitor at 10:50 P.M. As such, it is clear that thunderstorm activities caused high winds and blowing dust throughout the Phoenix Area and at Higley and Zuni Hills monitors, resulting in low visibility, Higley monitor 24-hour average PM₁₀ NAAQS exceedance, and increased PM₁₀ concentrations at Zuni Hills monitor to occur on July 26th, 2023.

The photographs below show ADEQ's Visibility Camera Historical Archive photos of the Phoenix Area at the time prior to and during the dust storm and thunderstorm conditions on the evening of July 26th, 2023. Note the dust storm conditions and dense blowing winds were documented to hit the Phoenix Area around 9:30 P.M., as shown in NOAA KPHX and MCAQD monitoring data.

Camelback Mountain Camera, 9:45 P.M.



Camelback Mountain Camera, 10:00 P.M.



Superstition Mountains Camera, 9:00 P.M.



Superstition Mountains Camera, 9:45 P.M.



White Tank Mountains Camera, 10:00 P.M.



White Tank Mountains Camera, 10:45 P.M.



Note: There are no images available in the archive for South Mountain and Estrella Mountains camera on July 26, 2023

August 31st, 2023, Atypical Event

A low-pressure front situated along the west coast of the United States and a subtropical high-pressure front moving over New Mexico resulted in a moisture rich southern flow of air to be transported into Arizona on August 31st, 2023. These moist atmospheric conditions became conducive for thunderstorm activities and severe winds. According to the NOAA storm events report for Central Phoenix on August 31st, 2023:

*"Thunderstorms first developed over southeast Arizona and then, with the southerly flow, were steered into south-central AZ. There were widespread reports of dense blowing dust with visibilities reduced to 1/4 mile or less as well as wind damage as winds were in excess of 60 mph. In addition, a training thunderstorm over northern Maricopa County, in the Anthem area, resulted in 2-4 of rain according to doppler radar estimates and led to significant flash flooding."*²⁴

As a result of these high winds, widespread dust, and thunderstorm activities on August 31st, 2023, 4 monitors throughout the Phoenix Area recorded 24-hour average PM₁₀ exceedances at four MCAQD monitors. Of these four, two monitoring stations were evaluated for 24-hour average PM₁₀ NAAQS exceedances in relation to the SR 303L project: Central Phoenix and Durango Complex, given these monitors had the highest exceedances recorded on this date. Monitors closer to the project site and Zuni Hills monitor also exceeded NAAQS this day, including Dysart (10 miles southwest from project site), and West Phoenix (17 miles southeast from the project site). The closest monitor to the Zuni Hills monitors which exceeded NAAQS was Dysart, approximately 4.5 miles southwest of Zuni Hills monitor. Although Zuni Hills monitor did not record 24-hour average PM₁₀ NAAQS exceedance on August 31st, 2023, windspeeds greater than 25 mph and significant increases in PM₁₀ concentrations were recorded at similar times to the peak windspeed, wind gust speeds, and PM₁₀ concentrations noted at Central Phoenix, Dysart, and NOAA KPHX monitors. **Table 19** lists the 24-hour average PM₁₀ concentrations, highest windspeeds, and wind gust speeds recorded at the Central Phoenix, Durango Complex, and Zuni Hills monitors on August 31st, 2023.

Table 19: Windspeed and PM ₁₀ Data for August 31 st , 2023						
Site	Date	24-hour average PM ₁₀ (µg/m ³)	Max Hourly-Averaged Windspeed (MPH)	Time	Max Wind Gust (MPH)	Time
Central Phoenix	8/31/2023	207*	34.2	8:45 P.M.	34.9	8:45 P.M.
Durango Complex	8/31/2023	319.2*	28.7	9:00 P.M.	30.2	9:00 P.M.
Zuni Hills	8/31/2023	129	29.6	9:30 P.M.	30.2	9:30 P.M.
Source: Maricopa County Air Quality Departments (MCAQD) Air Quality Planning & Analysis Division, Central Phoenix, Zuni Hills, and Durango Complex Air Quality Monitoring Station Data for August 31 st , 2023.						
Notes: *Measurement exceeds PM ₁₀ NAAQS.						

As shown in **Table 19**, both the Central Phoenix and Durango Complex monitors recorded exceedances in 24-hour average PM₁₀ NAAQS, both with peak windspeeds recorded at similar times during the evening of August 31st, 2023. Durango Complex and Central Phoenix monitors selected for this evaluation had windspeeds recorded over 25 mph throughout the evening of August 31st, 2023, beginning around 8:00

²⁴ NOAA, *Storm Events Database*, Event Details "1131796," <https://www.ncdc.noaa.gov/stormevents/eventdetails.jsp?id=1131796>.

P.M. until 10:00 P.M., when thunderstorm conditions passing through the Phoenix Area began to subside. The highest windspeed recorded at Central Phoenix monitor was 34.2 mph, with wind gusts up to 34.9 mph, and the highest windspeed recorded at Durango Complex was 28.7 mph, with wind gusts up to 30.2 mph. Zuni Hills monitor recorded similar high windspeeds and wind gusts speeds at 9:30 P.M., of 29.6 mph and 30.2 mph, respectively. Due to a data collection error, no 5-minute PM₁₀ data was provided by Maricopa County for the Durango Complex station for this date, however 1-hour PM₁₀ concentration data was provided which follows a similar trend in increases.

The 1-hour PM₁₀ wind roses for Central Phoenix and Durango Complex monitors on August 31st, 2023 indicate that the greatest concentrations of PM₁₀ (> 600 µg/m³) blew from the west, southwest, and southeast, towards the Zuni Hills monitor. Given the highest concentration of PM₁₀ blew from east to west and southeast to northwest, this could have attributed the highest PM₁₀ concentration at Zuni Hills monitor being recorded at a later time in the evening of August 31st, 2023. These concentrations of PM₁₀ flowing from the southwest and southeast align with the wind direction of the NOAA KPHX blowing dust weather conditions noted documented the evening of August 31st, 2023. For more details on the PM₁₀ wind roses for August 31st, 2023, at Central Phoenix and Durango Complex monitors, please refer to **Appendix C. Figures – 26-29** show 5-minute windspeed and PM₁₀ data for the Central Phoenix and Zuni Hills monitor and windspeed data for the Durango Complex monitor on August 31st, 2023.

Figure 26: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Central Phoenix monitor on August 31st, 2023.

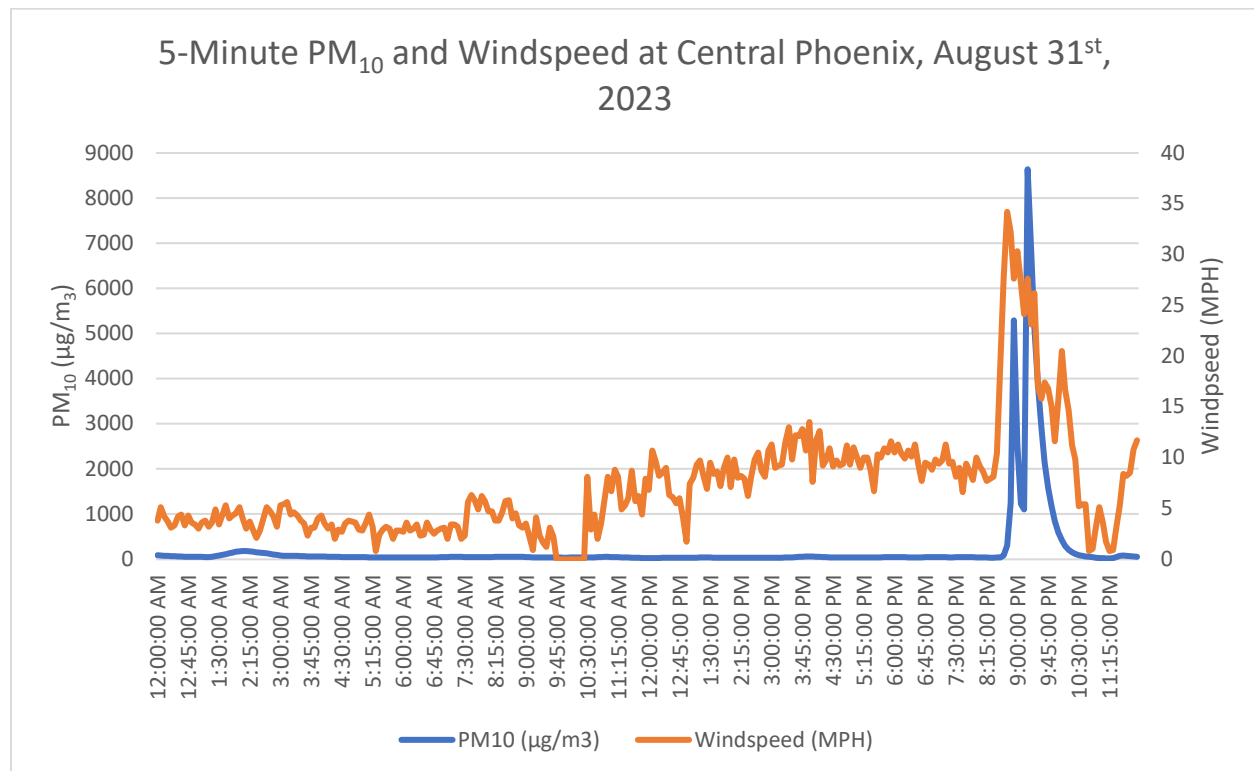


Figure 27: 5-Minute PM₁₀ concentrations (µg/m³) and windspeed (mph) at Zuni Hills monitor on August 31st, 2023.

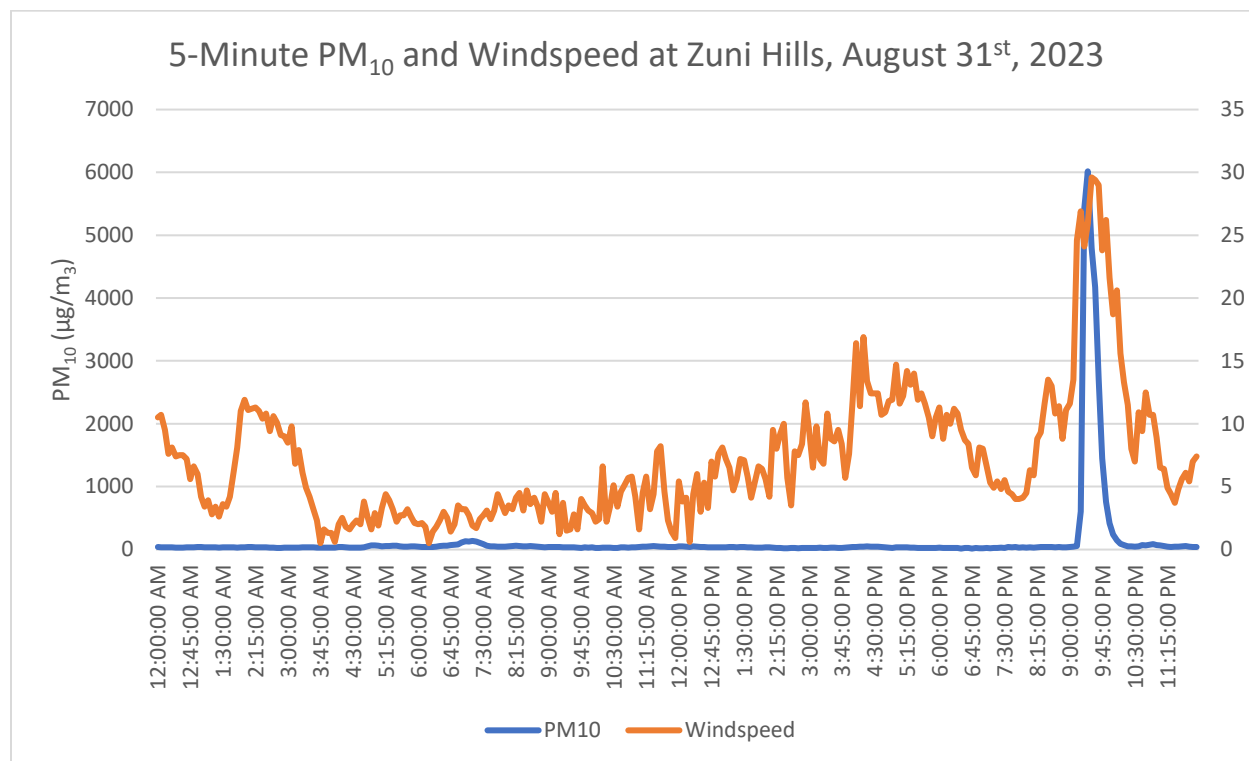


Figure 28: 5-minute windspeed (mph) at Durango Complex monitor on August 31st, 2023.

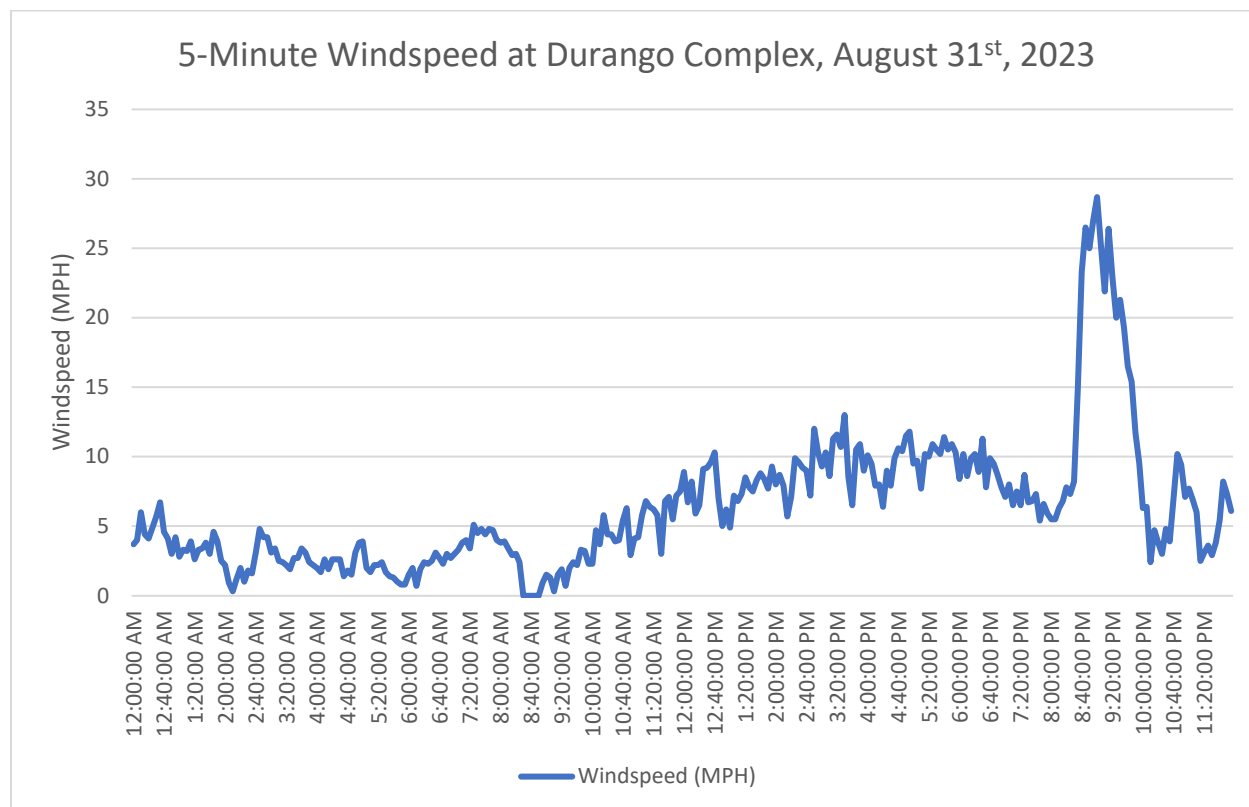
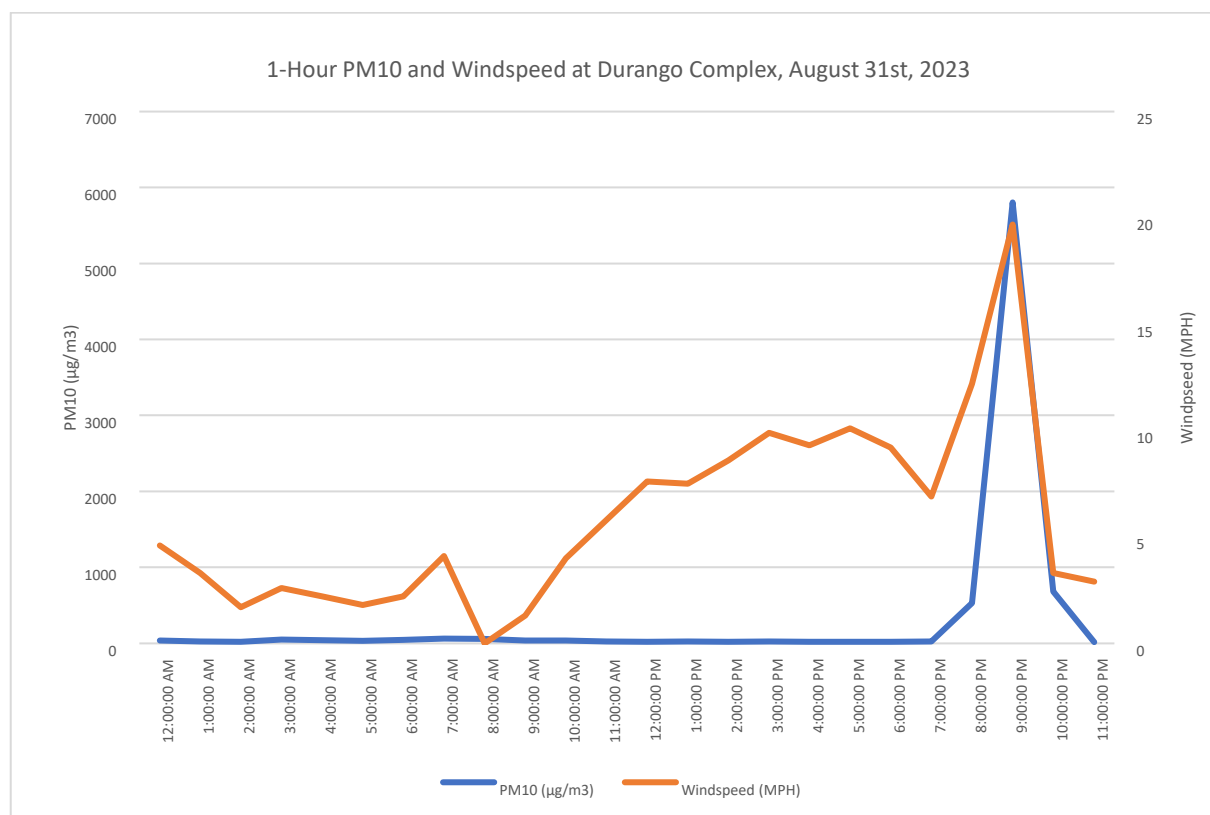


Figure 29: 1-Hour PM₁₀ concentrations (µg/m³) and windspeed (mph) at Durango Complex monitor on August 31st, 2023.



As shown in **Figures 26-29**, as windspeeds increased to their peak recorded levels at the Central Phoenix, Durango Complex, and Zuni Hills monitors on the evening of August 31st, 2023, PM₁₀ concentrations also increased to their maximum values. The highest 5-minute PM₁₀ concentration recorded at Central Phoenix monitor was 8,636 µg/m³ at 9:15 P.M., following shortly after the recording the monitors highest wind speed and gust speed. Clear peaks in both 5-minute and 1-hour windspeed and 1-hour PM₁₀ concentrations can also be seen at the Durango Complex monitor on August 31st, 2023, around 9:00 P.M. The highest 1-hour PM₁₀ level recorded at Durango Complex monitor was 5,803.7 µg/m³ at 9:00 P.M. At Zuni Hills monitor, the highest 5-minute PM₁₀ concentration recorded was 6,016.6 µg/m³ at 9:25 P.M. while windspeeds were higher than 25 mph, approximately 5 minutes prior to the highest recorded wind speed and wind gust of the day.

Data from NOAA KPHX also displays this increase in windspeed and blowing dust conditions around the same time that NOAA storm event reports list dust storms and thunderstorm activity, and while the Central Phoenix, Durango Complex, and Zuni Hills monitor recorded wind speeds and wind gust speeds over 25 mph. **Table 20** shows the time where the highest wind speeds, wind gusts speeds, and corresponding weather conditions were recorded at the NOAA KPHX on August 31st, 2023.

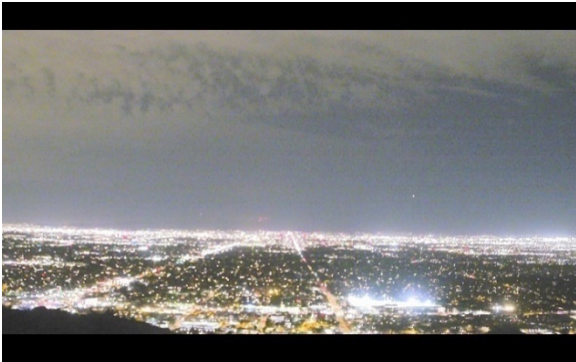
Table 20: NOAA KPHX Weather for August 31 st , 2023						
Date	Time	Hourly-Averaged Windspeed (MPH)	Wind Gust Recorded (MPH)	Weather Conditions Noted	Visibility (miles)	Wind Direction
8/31/2023	8:34 P.M.	43	63	Blowing dust, Squalls	2	SSW
8/31/2023	8:35 P.M.	33	41	Blowing dust, Squalls	0.75	S
8/31/2023	8:36 P.M.	26	63	Blowing dust, Squalls	0.75	SSE
8/31/2023	8:40 P.M.	43	66	-	0.5	S
8/31/2023	8:42 P.M.	47	71	-	0.25	S
8/31/2023	8:45 P.M.	37	53	-	0.25	S
8/31/2023	8:50 P.M.	45	64	-	0.5	S
8/31/2023	8:51 P.M.	44	66	-	0.5	S
8/31/2023	8:55 P.M.	49*	60	-	0.75	S
8/31/2023	8:59 P.M.	43	73*	Thunder	1	S
8/31/2023	9:02 P.M.	46	73*	Thunder, Blowing dust	1.25	S
8/31/2023	9:05 P.M.	31	52	Blowing Dust	2	S
8/31/2023	9:08 P.M.	25	68	Thunder, Blowing dust	3	S
8/31/2023	9:10 P.M.	30	53	Lt rain, Blowing dust	4	S
8/31/2023	9:15 P.M.	31	47	Lt rain, Blowing dust	5	S
8/31/2023	9:20 P.M.	37	59	Lt rain, Blowing dust	6	S
Source: NOAA Weather for Phoenix, Phoenix Sky Harbor International Airport, AZ on 08/31/2023 Link: https://www.weather.gov/wrh/timeseries?site=KPHX&hours=72&units=english&chart=on&headers=on&obs=tabular&hourly=false&pview=standard&font=12&history=yes&start=20230830&end=20230901						
Notes:						
* Highest windspeed or wind gust recorded for the day, - no observation recorded						

As shown in **Table 20**, the highest recorded wind speed on August 31st, 2023, at the NOAA KPHX was 49 mph, with the highest wind gust recorded at 73 mph around 9:00 P.M., coinciding with the times at which the highest wind speeds were noted at the Durango Complex, Zuni Hills, and Central Phoenix monitors. Reports of thunder and blowing dust throughout the Phoenix Area are also noted in the NOAA KPHX data, as well as decreased visibility to less than 1 mile. With these conditions noted, there was heavy concentration of dust and as a result increased concentration of PM₁₀ in the air on August 31st, 2023, throughout the Phoenix Area near the monitors resulting in 24-hour average PM₁₀ NAAQS exceedances at Durango Complex and Central Phoenix monitors, and increased concentrations in PM₁₀ at Zuni Hills monitor above typical levels.

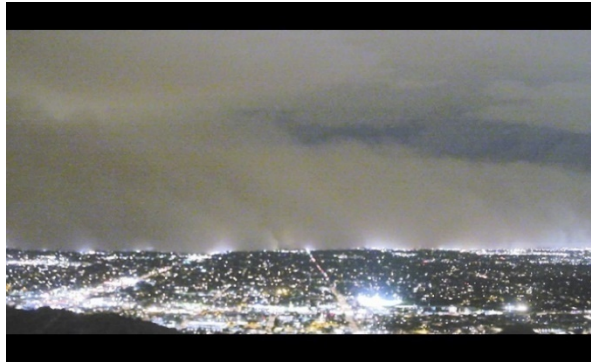
The photographs below show ADEQ's Visibility Camera Historical Archive photos of the Phoenix Area at the time prior to and during the dust storm and thunderstorm conditions on the evening of August 31st, 2023. A visible dust cloud was captured at both the South Mountain and Estrella Mountains ADEQ Visibility camera moving west and southeast over the Phoenix area beginning around 8:00 P.M., aligning with the increases of PM₁₀ concentrations and windspeeds recorded at the Zuni Hills, Durango Complex, Central Phoenix monitors beginning at a similar time.

Note the dust storm conditions and dense blowing winds were documented to hit the Phoenix Area around 8:00 P.M. flowing from the west and southwest, as shown in NOAA KPHX and MCAQD monitoring data.

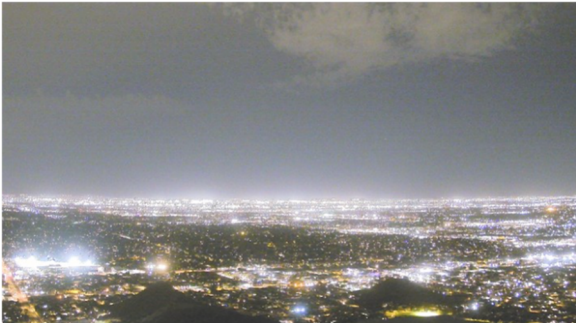
South Mountain Camera, 8:00 P.M.



South Mountain Camera, 8:45 P.M.



Estrella Mountains Camera, 8:15 P.M.



Estrella Mountains Camera, 8:45 P.M.



White Tank Mountains Camera, 9:00 P.M.



White Tank Mountains Camera, 9:15 P.M.



Superstition Mountains Camera, 8:00 P.M.



Superstition Mountains Camera, 8:00 P.M.



Note: There are no images available in the archive for Camelback Mountain camera after 11:15 A.M. on August 31, 2023

5.0 Project PM₁₀ Background Concentrations, Removing Atypical Events

In summary, 9 days are being proposed to be excluded from the project's background concentration analysis excluded because they have been considered as affected by an atypical air quality event, such as a high wind event, monsoon conditions, or thunderstorm activity. These days were removed from the original Zuni Hills monitor 2021 through 2023 PM₁₀ data set due to the atypical-type nature of the local conditions when the high PM₁₀ values were observed (e.g., windblown dust, high winds, haze). Once removed, the remaining data was used to calculate a PM₁₀ background concentration of 107 µg/m³.

Table 21: Project Monitoring Station Highest 24-hour PM₁₀ Readings, Removing Atypical Events			
<u>Zuni Hills Station</u>			
Data Year	2021	2022	2023
Number of Readings	361	365	365
1st	110	126	146
2nd	84	107	103
3rd	72	87	66
4th	70	81	65
Source: U.S. EPA Outdoor Air Quality Data, Download Daily Air Quality Data, https://www.epa.gov/outdoor-air-quality-data/download-daily-data			
Note: *4 th highest 24-hour readings are highlighted in red, removing atypical events.			

Table 21 shows that with removing atypical events, the Zuni Hills monitor's 4th highest value over three years (2021-2023) is 107 µg/m³. This comes from the 4th highest reading out of a total of 1,091 days of sampling. This background concentration is under the PM₁₀ NAAQS threshold.

*The predicted background concentration, removing data for atypical events, of the project is **107 µg/m³**.*

Per 40 CFR 50, Appendix K, the Maricopa County NAAQS threshold for PM₁₀ 24-hour average concentration threshold is 150 µg/m³. As such, the predicted background concentration when removing atypical event data does not exceed the NAAQS threshold.

Days in which an atypical event, i.e., a dust storm or high wind event occurred in the region and impacting Zuni Hills monitor and the project site have been identified. Because regional atypical events were occurring on these days, it is inappropriate to consider these days when calculating background PM₁₀ concentrations for the projects hot spot analyses. Finally, after removing days in which an atypical event occurred, the 24-hour PM₁₀ background concentration identified for 2021 through 2023 is 107 µg/m³. This concentration is suitable for use as a reasonable background concentration for the project site, as it is more representative of typical background concentrations for the project site excluding atypical events.



Appendix A: Maricopa County Air Quality Department Planning & Analysis Division – Air Quality Monitor Data

Site: Mesa						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	12:00:00 AM	-	260.3	3.5	268.1	3.1
7/9/2021	12:05:00 AM	-	270.5	5.8	271.2	5.4
7/9/2021	12:10:00 AM	-	252.6	2.9	260.5	2.6
7/9/2021	12:15:00 AM	-	238	5.1	236.9	4.7
7/9/2021	12:20:00 AM	-	234.6	2.9	235	2.7
7/9/2021	12:25:00 AM	-	225.8	3.6	227.2	3.4
7/9/2021	12:30:00 AM	-	227.6	4.7	228.2	4.4
7/9/2021	12:35:00 AM	-	233.4	4.8	231	4.5
7/9/2021	12:40:00 AM	-	242.7	4.7	246.6	4.1
7/9/2021	12:45:00 AM	-	246.8	3.7	246.2	3.5
7/9/2021	12:50:00 AM	-	264.3	4.3	262.5	4
7/9/2021	12:55:00 AM	-	268.3	2.9	265.8	2.7
7/9/2021	1:00:00 AM	-	265.8	2.7	263.2	2.6
7/9/2021	1:05:00 AM	-	273	3.5	270.9	3.2
7/9/2021	1:10:00 AM	-	284.3	4.1	281.4	3.9
7/9/2021	1:15:00 AM	-	281.8	3.7	282.5	3.6
7/9/2021	1:20:00 AM	-	283.4	4.6	282.7	4.5
7/9/2021	1:25:00 AM	-	275	3.1	276.1	3
7/9/2021	1:30:00 AM	-	263.8	3.5	262.1	3.2
7/9/2021	1:35:00 AM	-	272.3	3.5	264.1	3.1
7/9/2021	1:40:00 AM	-	266.9	2	262.6	1.8
7/9/2021	1:45:00 AM	-	270.3	3.1	269.4	3
7/9/2021	1:50:00 AM	-	248.3	2.3	249.4	2.2
7/9/2021	1:55:00 AM	-	283.9	1.5	275.6	1.3
7/9/2021	2:00:00 AM	-	279.3	2.8	276.3	2.6
7/9/2021	2:05:00 AM	-	293.9	2.2	293	2.1
7/9/2021	2:10:00 AM	-	301.3	0	302.7	0.5
7/9/2021	2:15:00 AM	-	314.3	0	356.4	0.5
7/9/2021	2:20:00 AM	-	357.5	2.6	354.5	2.4
7/9/2021	2:25:00 AM	-	319.5	1.6	319.1	1.5
7/9/2021	2:30:00 AM	-	323.8	1.6	326.2	1.5
7/9/2021	2:35:00 AM	-	316.5	0	296.8	0.6
7/9/2021	2:40:00 AM	-	299.5	2.1	297.7	1.7
7/9/2021	2:45:00 AM	-	341.6	2.6	340.5	2.5
7/9/2021	2:50:00 AM	-	14.9	2.6	14.6	2.5
7/9/2021	2:55:00 AM	-	37.1	1.3	37.4	1.1
7/9/2021	3:00:00 AM	-	41.1	1.4	35.4	1.3
7/9/2021	3:05:00 AM	-	4.2	2	2.2	1.9
7/9/2021	3:10:00 AM	-	87.1	2.5	100.4	2.1
7/9/2021	3:15:00 AM	-	111.8	2.7	113.7	2.6
7/9/2021	3:20:00 AM	-	84.4	3.3	88.4	3.2
7/9/2021	3:25:00 AM	-	52.4	0.9	57.9	0.8
7/9/2021	3:30:00 AM	-	83.7	2.3	84	2.2
7/9/2021	3:35:00 AM	-	77.2	2.2	77.2	2.1
7/9/2021	3:40:00 AM	-	84.8	2.3	89.5	2.1
7/9/2021	3:45:00 AM	-	115.2	3.7	123.2	2.9
7/9/2021	3:50:00 AM	-	32.3	2.8	19.9	2.4
7/9/2021	3:55:00 AM	-	33.8	3	30.8	2.9
7/9/2021	4:00:00 AM	-	43.8	3.6	42.4	3.5
7/9/2021	4:05:00 AM	-	57.1	2.6	56.4	2.4
7/9/2021	4:10:00 AM	-	56.3	2.3	56.1	2.3
7/9/2021	4:15:00 AM	-	65.2	2.8	64.7	2.7
7/9/2021	4:20:00 AM	-	71.3	4.7	71.6	4.7

Site: Mesa						
Date	Time	PM ₁₀ (µg/m ³)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	4:25:00 AM	-	54.5	3.1	53.8	2.9
7/9/2021	4:30:00 AM	-	43.5	3.5	43.4	3.4
7/9/2021	4:35:00 AM	-	44.5	3.3	43.3	3.2
7/9/2021	4:40:00 AM	-	57.1	2.3	57.3	2.2
7/9/2021	4:45:00 AM	-	54.9	2	51.9	1.9
7/9/2021	4:50:00 AM	-	43.1	1.8	36.9	1.7
7/9/2021	4:55:00 AM	-	66.9	2.4	67.4	2.4
7/9/2021	5:00:00 AM	-	79	2.6	79	2.5
7/9/2021	5:05:00 AM	-	60.1	1.9	58.5	1.8
7/9/2021	5:10:00 AM	-	57.9	2.9	59.7	2.8
7/9/2021	5:15:00 AM	-	90.1	3.4	89.9	3.4
7/9/2021	5:20:00 AM	-	82.6	3.3	83.2	3.2
7/9/2021	5:25:00 AM	-	78.4	2.4	79.9	2.3
7/9/2021	5:30:00 AM	-	85.8	3.6	85.4	3.6
7/9/2021	5:35:00 AM	-	74.7	4.1	74.6	4
7/9/2021	5:40:00 AM	-	69.6	3.7	70.9	3.6
7/9/2021	5:45:00 AM	-	69.2	3.7	70.7	3.6
7/9/2021	5:50:00 AM	-	84.2	5.2	83.8	5.1
7/9/2021	5:55:00 AM	-	88.8	3.3	88.3	3.2
7/9/2021	6:00:00 AM	-	70.8	3.1	70.2	3
7/9/2021	6:05:00 AM	-	68.3	3	67.8	2.9
7/9/2021	6:10:00 AM	-	68.7	2.4	67.6	2.4
7/9/2021	6:15:00 AM	-	76.1	2	77.6	1.9
7/9/2021	6:20:00 AM	-	64.6	2.4	61.5	2.2
7/9/2021	6:25:00 AM	-	49.8	2.3	44	2.2
7/9/2021	6:30:00 AM	-	47.3	2.9	45.8	2.7
7/9/2021	6:35:00 AM	-	52.1	3.7	52.3	3.5
7/9/2021	6:40:00 AM	-	67.9	4.8	68.3	4.6
7/9/2021	6:45:00 AM	-	62.9	4.4	63.5	4.2
7/9/2021	6:50:00 AM	-	68.3	4.5	69.7	4.4
7/9/2021	6:55:00 AM	-	59.4	5.2	59.3	5
7/9/2021	7:00:00 AM	-	66.6	6	66.8	5.8
7/9/2021	7:05:00 AM	-	66	5.5	66.8	5.3
7/9/2021	7:10:00 AM	-	80.2	5.5	80.5	5.4
7/9/2021	7:15:00 AM	-	59.6	5.4	58.6	5.1
7/9/2021	7:20:00 AM	-	80.7	5.8	81.1	5.7
7/9/2021	7:25:00 AM	-	72.6	4.8	75.8	4.6
7/9/2021	7:30:00 AM	-	80.6	4.5	80.5	4.3
7/9/2021	7:35:00 AM	-	74.8	3.7	76.1	3.2
7/9/2021	7:40:00 AM	-	84.6	4.6	88	4.2
7/9/2021	7:45:00 AM	-	98.7	4.4	96	4.1
7/9/2021	7:50:00 AM	-	103.5	5.4	104.3	5.1
7/9/2021	7:55:00 AM	-	107.9	5.3	107.5	5
7/9/2021	8:00:00 AM	-	102.9	4.8	102.4	4.7
7/9/2021	8:05:00 AM	-	100.1	3.9	99.5	3.6
7/9/2021	8:10:00 AM	-	113.9	3	108.2	2.6
7/9/2021	8:15:00 AM	-	69.8	4.3	63.3	3.7
7/9/2021	8:20:00 AM	-	111.8	4.2	110	4.1
7/9/2021	8:25:00 AM	-	123.5	4.9	121.6	4.6
7/9/2021	8:30:00 AM	-	124.7	2.6	124.7	2.5
7/9/2021	8:35:00 AM	-	62	4.2	64	4.1
7/9/2021	8:40:00 AM	-	74.8	4.2	75.5	4
7/9/2021	8:45:00 AM	-	339.3	0	350.4	0.4

Site: Mesa						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/9/2021	8:50:00 AM	-	311	2.1	307.4	2
7/9/2021	8:55:00 AM	-	267.2	2.3	266.6	2.1
7/9/2021	9:00:00 AM	-	317	3.1	312.6	2.3
7/9/2021	9:05:00 AM	-	17.8	1.7	28.4	1.2
7/9/2021	9:10:00 AM	-	107.9	2.4	105.5	2.2
7/9/2021	9:15:00 AM	-	84.5	3.4	74.2	3
7/9/2021	9:20:00 AM	-	343.3	1	342.2	0.4
7/9/2021	9:25:00 AM	-	332.4	1.6	292.7	0.9
7/9/2021	9:30:00 AM	-	350.3	2	346.5	1.7
7/9/2021	9:35:00 AM	-	25.1	3.5	26.1	3.3
7/9/2021	9:40:00 AM	-	43.7	3.7	41.2	3.4
7/9/2021	9:45:00 AM	-	58.1	2.6	51.5	1.9
7/9/2021	9:50:00 AM	-	347	2.4	334.3	2
7/9/2021	9:55:00 AM	-	315	3.1	314.2	2.7
7/9/2021	10:00:00 AM	-	332.8	2.3	327.9	2
7/9/2021	10:05:00 AM	-	350	1.7	355.8	1.5
7/9/2021	10:10:00 AM	-	164.1	4.5	192	1.7
7/9/2021	10:15:00 AM	-	214.3	4.6	213.7	4.3
7/9/2021	10:20:00 AM	-	199.5	4.2	197.7	3.8
7/9/2021	10:25:00 AM	-	187.4	3.1	189.3	2.9
7/9/2021	10:30:00 AM	-	150.6	4.7	150.6	4.4
7/9/2021	10:35:00 AM	-	152	4.8	152.2	4.7
7/9/2021	10:40:00 AM	-	189.7	3.8	205.9	1.7
7/9/2021	10:45:00 AM	-	299.3	4	292.3	3.5
7/9/2021	10:50:00 AM	-	294.8	3	285.4	2.5
7/9/2021	10:55:00 AM	-	279.1	5.3	277	4.8
7/9/2021	11:00:00 AM	-	341.7	1.9	348	1.1
7/9/2021	11:05:00 AM	-	284.6	5	283.7	4.8
7/9/2021	11:10:00 AM	-	259.3	3.7	261.2	2.9
7/9/2021	11:15:00 AM	-	179.4	7.2	175.1	6.8
7/9/2021	11:20:00 AM	-	173	5.6	179.6	4.6
7/9/2021	11:25:00 AM	-	161.2	2.4	135.8	1.8
7/9/2021	11:30:00 AM	-	241.4	3.2	229.7	2.1
7/9/2021	11:35:00 AM	-	281	5.8	280.7	5.6
7/9/2021	11:40:00 AM	-	331.6	3.6	331.9	3.4
7/9/2021	11:45:00 AM	-	179.4	6.8	177.8	5.9
7/9/2021	11:50:00 AM	-	178.2	6.5	169.5	6.1
7/9/2021	11:55:00 AM	-	202.7	7	197.5	6.6
7/9/2021	12:00:00 PM	-	220.4	4	201.9	3.1
7/9/2021	12:05:00 PM	-	188.7	5.6	192.9	5.1
7/9/2021	12:10:00 PM	-	147.6	5.7	145.5	5.2
7/9/2021	12:15:00 PM	-	130.4	5.1	135.8	2.3
7/9/2021	12:20:00 PM	-	299.7	5.1	297.8	3.9
7/9/2021	12:25:00 PM	-	220.7	4.1	217.9	3.7
7/9/2021	12:30:00 PM	-	241	4.4	245.8	4.2
7/9/2021	12:35:00 PM	-	247.5	3.6	221.6	2.9
7/9/2021	12:40:00 PM	-	281	4.6	281.1	4
7/9/2021	12:45:00 PM	-	220.3	4.5	216.4	4
7/9/2021	12:50:00 PM	-	208.9	4.5	208.7	4.4
7/9/2021	12:55:00 PM	-	213.7	1.9	196.2	1.3
7/9/2021	1:00:00 PM	-	90.2	2.2	88.7	2.1
7/9/2021	1:05:00 PM	-	293.1	4.7	284.1	4.5
7/9/2021	1:10:00 PM	-	286	5.7	283	5

Site: Mesa						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	1:15:00 PM	-	311.8	6.3	309.5	6.1
7/9/2021	1:20:00 PM	-	316.5	4.6	316.2	4.3
7/9/2021	1:25:00 PM	-	224.2	4.2	225.5	3.9
7/9/2021	1:30:00 PM	-	228.9	3	218.8	2.1
7/9/2021	1:35:00 PM	-	248.8	5.4	245.5	5.2
7/9/2021	1:40:00 PM	-	266.7	4.1	223.9	2.6
7/9/2021	1:45:00 PM	-	217.1	4.7	211.9	4.2
7/9/2021	1:50:00 PM	-	174.9	6.3	175.3	5.8
7/9/2021	1:55:00 PM	-	283.8	5	275.4	3.1
7/9/2021	2:00:00 PM	-	289.9	6.8	289.3	6.5
7/9/2021	2:05:00 PM	-	315.9	4.1	309.5	2.9
7/9/2021	2:10:00 PM	-	272.4	8	275.3	6.9
7/9/2021	2:15:00 PM	-	216.3	6.6	219.9	5.7
7/9/2021	2:20:00 PM	-	264.5	7.9	268.2	7.2
7/9/2021	2:25:00 PM	-	270.2	8.1	269.7	7.7
7/9/2021	2:30:00 PM	-	269.9	5.6	275.8	3.2
7/9/2021	2:35:00 PM	-	295.4	5.9	296.1	5.3
7/9/2021	2:40:00 PM	-	297.8	8.3	297.6	8.1
7/9/2021	2:45:00 PM	-	274	6.6	272.4	6.1
7/9/2021	2:50:00 PM	-	274.8	6.5	277.2	6.1
7/9/2021	2:55:00 PM	-	266.5	7.3	267.7	6.7
7/9/2021	3:00:00 PM	-	250.3	5.2	253.6	4.8
7/9/2021	3:05:00 PM	-	261.7	5.5	252.3	5
7/9/2021	3:10:00 PM	-	293.5	7.3	289.5	6.3
7/9/2021	3:15:00 PM	-	282.7	8.1	286.1	7.7
7/9/2021	3:20:00 PM	-	302.5	6.8	302.7	6.4
7/9/2021	3:25:00 PM	-	320.5	7.1	321.3	6.5
7/9/2021	3:30:00 PM	-	293.5	8.3	292.4	7.5
7/9/2021	3:35:00 PM	-	278.2	5.4	280.4	5.1
7/9/2021	3:40:00 PM	-	261.8	7.2	268.6	6.4
7/9/2021	3:45:00 PM	-	280	7.5	282.2	7.3
7/9/2021	3:50:00 PM	-	287.4	7.3	283.9	6.8
7/9/2021	3:55:00 PM	-	295.8	5.2	294.5	4.9
7/9/2021	4:00:00 PM	-	280.7	5.7	287.2	4.8
7/9/2021	4:05:00 PM	-	288.9	9.5	287.5	9
7/9/2021	4:10:00 PM	-	284.9	6	284.4	5.8
7/9/2021	4:15:00 PM	-	311.3	5.9	304.6	5.5
7/9/2021	4:20:00 PM	-	298.3	4.7	301.4	3.8
7/9/2021	4:25:00 PM	-	270.3	4.8	286.3	4.5
7/9/2021	4:30:00 PM	-	273.3	6.5	272.6	6.1
7/9/2021	4:35:00 PM	-	279	5	281.3	4.7
7/9/2021	4:40:00 PM	-	306.6	7.3	306.6	7.1
7/9/2021	4:45:00 PM	-	299.6	7.3	298.8	6.9
7/9/2021	4:50:00 PM	-	298.7	4.6	303	3.8
7/9/2021	4:55:00 PM	-	289.9	8.9	289.3	8.8
7/9/2021	5:00:00 PM	-	274.5	5	280.7	4.5
7/9/2021	5:05:00 PM	-	292.6	5	291.7	4.5
7/9/2021	5:10:00 PM	-	283.8	5.6	284.3	5.1
7/9/2021	5:15:00 PM	-	301.9	9.7	305.4	8.5
7/9/2021	5:20:00 PM	-	298.8	8.1	297.9	7.9
7/9/2021	5:25:00 PM	-	285	4.7	289.6	4.1
7/9/2021	5:30:00 PM	-	274.9	3.4	286.4	2.8
7/9/2021	5:35:00 PM	-	284.1	7.5	284	7.2

Site: Mesa						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/9/2021	5:40:00 PM	-	294.9	6	292	5.7
7/9/2021	5:45:00 PM	-	312.4	5.1	318.2	4.5
7/9/2021	5:50:00 PM	-	284.6	6.7	288.4	6.1
7/9/2021	5:55:00 PM	-	281.2	5	284.6	4.2
7/9/2021	6:00:00 PM	-	282.6	5.8	280.8	5.4
7/9/2021	6:05:00 PM	-	290.5	8.5	289.2	8.2
7/9/2021	6:10:00 PM	-	280.6	6.1	280.6	5.9
7/9/2021	6:15:00 PM	-	283.9	6	284.5	5.8
7/9/2021	6:20:00 PM	-	280.2	7.2	281.6	7
7/9/2021	6:25:00 PM	-	278.2	5.5	280.4	5.2
7/9/2021	6:30:00 PM	-	276.1	6.8	279.4	6.6
7/9/2021	6:35:00 PM	-	268.8	4.9	268.2	4.6
7/9/2021	6:40:00 PM	-	278	4.9	278.5	4.7
7/9/2021	6:45:00 PM	-	284.6	5.4	284.6	5.3
7/9/2021	6:50:00 PM	-	278.3	7.4	278.8	7.3
7/9/2021	6:55:00 PM	-	284.1	6.3	284	6.2
7/9/2021	7:00:00 PM	-	247.3	5.4	245.9	4.9
7/9/2021	7:05:00 PM	-	247.7	3.6	247.7	3.3
7/9/2021	7:10:00 PM	-	248.8	4.4	248.1	4
7/9/2021	7:15:00 PM	-	258.6	6.3	257.7	5.9
7/9/2021	7:20:00 PM	-	248.9	4.9	253.5	4.4
7/9/2021	7:25:00 PM	-	249.2	4.5	251.3	4.2
7/9/2021	7:30:00 PM	-	248.2	5.5	249.2	5
7/9/2021	7:35:00 PM	-	242.8	6	242	5.6
7/9/2021	7:40:00 PM	-	261.4	4.7	260.4	4.2
7/9/2021	7:45:00 PM	-	237.9	4.8	237.4	4.5
7/9/2021	7:50:00 PM	-	236.9	4.2	237.2	3.9
7/9/2021	7:55:00 PM	-	248.3	5.3	248	5
7/9/2021	8:00:00 PM	-	246.5	3.6	241.6	3.3
7/9/2021	8:05:00 PM	-	265.5	4.5	262.2	4.1
7/9/2021	8:10:00 PM	-	252.8	4.9	253.7	4.5
7/9/2021	8:15:00 PM	-	244.6	3.8	243.3	3.6
7/9/2021	8:20:00 PM	-	241	5.8	242.5	5.5
7/9/2021	8:25:00 PM	-	244.8	3.7	243.9	3.5
7/9/2021	8:30:00 PM	-	247.3	4.9	245.4	4.6
7/9/2021	8:35:00 PM	-	271.9	4.4	271.9	4
7/9/2021	8:40:00 PM	-	257.9	4.9	259.7	4.5
7/9/2021	8:45:00 PM	-	258.4	5.4	258.6	4.9
7/9/2021	8:50:00 PM	-	266.7	5.9	265.7	5.4
7/9/2021	8:55:00 PM	-	277.5	6.7	278.3	6.4
7/9/2021	9:00:00 PM	-	275.4	6.8	275.5	6.5
7/9/2021	9:05:00 PM	-	278.7	5.9	278.7	5.7
7/9/2021	9:10:00 PM	-	281.9	6	282.7	5.8
7/9/2021	9:15:00 PM	-	273.6	5	276	4.8
7/9/2021	9:20:00 PM	-	276.4	4.6	277.3	4.4
7/9/2021	9:25:00 PM	-	274.8	4.7	277	4.4
7/9/2021	9:30:00 PM	-	281.2	5.3	282.7	5.1
7/9/2021	9:35:00 PM	-	285.9	5.5	285.6	5.3
7/9/2021	9:40:00 PM	-	285.8	3.9	285.8	3.7
7/9/2021	9:45:00 PM	-	281.8	4.6	281.9	4.5
7/9/2021	9:50:00 PM	-	280.7	6.2	280.6	6.1
7/9/2021	9:55:00 PM	-	285.6	5.4	285.7	5.2
7/9/2021	10:00:00 PM	-	254	2.8	252.8	2.7

Site: Mesa						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/9/2021	10:05:00 PM	-	279.5	2.2	280.8	2.1
7/9/2021	10:10:00 PM	-	281.9	3.7	281.9	3.6
7/9/2021	10:15:00 PM	-	292.6	0	275.3	0.7
7/9/2021	10:20:00 PM	-	123.7	1.5	105.5	1.4
7/9/2021	10:25:00 PM	-	115.4	13.4	119.2	12.9
7/9/2021	10:30:00 PM	-	124.1	20	124.1	19.3
7/9/2021	10:35:00 PM	-	116.7	23	115.3	21.9
7/9/2021	10:40:00 PM	-	124.8	21.4	126.1	20.7
7/9/2021	10:45:00 PM	-	125.8	20.3	125.5	19.8
7/9/2021	10:50:00 PM	-	142.2	16.9	141.4	16.4
7/9/2021	10:55:00 PM	-	135.5	20.8	135.5	20.4
7/9/2021	11:00:00 PM	-	135.8	15.2	135.5	14.9
7/9/2021	11:05:00 PM	-	152.7	13.8	153.3	13.4
7/9/2021	11:10:00 PM	-	153.7	9	153.6	8.6
7/9/2021	11:15:00 PM	-	162.7	8.8	161.3	8.5
7/9/2021	11:20:00 PM	-	171.7	8.6	171.7	8.3
7/9/2021	11:25:00 PM	-	174.5	9.6	175.3	9.4
7/9/2021	11:30:00 PM	-	168.4	11.1	168.4	10.8
7/9/2021	11:35:00 PM	-	174	9.9	173.6	9.6
7/9/2021	11:40:00 PM	-	188.8	8.7	188.5	8.5
7/9/2021	11:45:00 PM	-	204.9	8.6	205.1	8.4
7/9/2021	11:50:00 PM	-	224.1	10	224.3	9.8
7/9/2021	11:55:00 PM	-	228.3	9.8	228.8	9.5
Average		-	278	4.9	250.7	1.2
Max		-	357.5	23	356.4	21.9
Max Hour		-	9086.451524	10.107003	9089.841227	9.673260622
Min		-	4.2	0	2.2	0.4
Count		0	288	288	288	288
Total		0	59583.7	1432.6	59388.9	1329.1
Date Printed:			9/30/2024 11:01			

Site: South Scottsdale						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	12:00:00 AM	44.2	244.1	8.9	243.6	8.7
7/9/2021	12:05:00 AM	41.1	254.5	9.7	255.5	9.3
7/9/2021	12:10:00 AM	37.9	252	11.8	252.8	11.5
7/9/2021	12:15:00 AM	36.1	250.1	10.8	249.9	10.6
7/9/2021	12:20:00 AM	34.3	255	11.4	255.1	11.1
7/9/2021	12:25:00 AM	32.9	257.1	11.9	257.3	11.6
7/9/2021	12:30:00 AM	31.7	259.6	8	260.5	7.8
7/9/2021	12:35:00 AM	31.2	258	10	257.5	9.7
7/9/2021	12:40:00 AM	30.6	251.4	10	251.4	9.8
7/9/2021	12:45:00 AM	30.1	254.3	11.2	254.9	11
7/9/2021	12:50:00 AM	30	257.2	7	259.6	6.8
7/9/2021	12:55:00 AM	30.1	261.4	7.3	262.8	7
7/9/2021	1:00:00 AM	30	265.7	4.4	265.4	4.2
7/9/2021	1:05:00 AM	29.4	263.5	5.9	263.7	5.8
7/9/2021	1:10:00 AM	28.5	266.5	7.6	267.2	7.4
7/9/2021	1:15:00 AM	28	258.9	8.5	258.7	8.2
7/9/2021	1:20:00 AM	26.6	262.2	7.9	261.9	7.7
7/9/2021	1:25:00 AM	26.9	260.9	8.2	261.9	8
7/9/2021	1:30:00 AM	25.6	249.5	6.2	250.2	6
7/9/2021	1:35:00 AM	24.8	249.8	7	249.7	6.7
7/9/2021	1:40:00 AM	24.2	248.2	6.6	248.7	6.4
7/9/2021	1:45:00 AM	24.5	252.3	5.8	253.2	5.6
7/9/2021	1:50:00 AM	24.5	256.6	5.4	257.2	5.2
7/9/2021	1:55:00 AM	24.1	267	5.7	267.2	5.6
7/9/2021	2:00:00 AM	24.2	255.9	4.2	256.9	4
7/9/2021	2:05:00 AM	23.4	260	4	263.2	3.8
7/9/2021	2:10:00 AM	23.6	265.5	4.7	267.4	4.5
7/9/2021	2:15:00 AM	23.6	266.1	5.2	265.5	5
7/9/2021	2:20:00 AM	23.8	275.1	4.4	275.7	4.3
7/9/2021	2:25:00 AM	24.4	274.9	3.6	274.2	3.4
7/9/2021	2:30:00 AM	23.4	273.6	3.5	275.9	3.4
7/9/2021	2:35:00 AM	23.2	283.4	3.4	285	3.2
7/9/2021	2:40:00 AM	22.7	285.1	2	291	1.8
7/9/2021	2:45:00 AM	22.6	285.6	1.6	285.1	1.4
7/9/2021	2:50:00 AM	22.1	241	1.1	248.5	0.9
7/9/2021	2:55:00 AM	21.4	88.6	1	107.9	0.9
7/9/2021	3:00:00 AM	21.6	97.7	1.5	97.6	1.5
7/9/2021	3:05:00 AM	21.1	71.1	1.4	69.7	1.3
7/9/2021	3:10:00 AM	20.5	26.8	0	71	0.3
7/9/2021	3:15:00 AM	21	357.9	1.7	352.8	1.6
7/9/2021	3:20:00 AM	19.9	296.3	2.9	295.3	2.8
7/9/2021	3:25:00 AM	19.8	286.8	3.1	286.5	3
7/9/2021	3:30:00 AM	19.4	293.6	3.2	293	3.2
7/9/2021	3:35:00 AM	18.7	290.6	3.1	290.4	2.8
7/9/2021	3:40:00 AM	18.6	304	4.3	300.8	4
7/9/2021	3:45:00 AM	18.8	298	3.9	298.2	3.7
7/9/2021	3:50:00 AM	18.2	304.6	4.4	303.4	4.2
7/9/2021	3:55:00 AM	18.2	306.2	4.2	305.4	4.1
7/9/2021	4:00:00 AM	18.3	318.6	5.6	318.6	5.4
7/9/2021	4:05:00 AM	18.6	309.7	4.7	308.9	4.4
7/9/2021	4:10:00 AM	18.6	306.6	3.9	305.4	3.8
7/9/2021	4:15:00 AM	18.1	318.3	3.7	319.7	3.6
7/9/2021	4:20:00 AM	18.2	329.5	4.3	330.2	4.1

Site: South Scottsdale						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	4:25:00 AM	18.6	336.4	3.8	336.8	3.7
7/9/2021	4:30:00 AM	19.2	332.3	4.1	330.4	4
7/9/2021	4:35:00 AM	19.6	329.3	4.7	329.4	4.5
7/9/2021	4:40:00 AM	19.5	326	4	325.9	3.9
7/9/2021	4:45:00 AM	19.1	331.3	5.1	331.5	5
7/9/2021	4:50:00 AM	18.9	329.1	5	328.3	4.8
7/9/2021	4:55:00 AM	19.2	325.7	3.4	325.7	3.3
7/9/2021	5:00:00 AM	19.4	317.5	4	317.5	3.8
7/9/2021	5:05:00 AM	19.6	306.3	4.9	306.3	4.7
7/9/2021	5:10:00 AM	20.3	312.3	4	311.6	3.9
7/9/2021	5:15:00 AM	20.3	302.6	4.3	302.3	4.2
7/9/2021	5:20:00 AM	20.4	297	3.7	296	3.5
7/9/2021	5:25:00 AM	19.8	299.9	3.9	298.9	3.7
7/9/2021	5:30:00 AM	20.3	293.5	5.6	292.8	5.4
7/9/2021	5:35:00 AM	21.1	285.4	4.6	285.3	4.4
7/9/2021	5:40:00 AM	21.4	276.8	3.5	278.8	3.4
7/9/2021	5:45:00 AM	22.4	274.1	2.9	276.7	2.4
7/9/2021	5:50:00 AM	23	290	3.4	290.5	3.2
7/9/2021	5:55:00 AM	22.9	197.4	1.8	179.8	0.9
7/9/2021	6:00:00 AM	25.1	126.3	2.7	125.7	2.7
7/9/2021	6:05:00 AM	27.1	120.3	2.4	119	2.4
7/9/2021	6:10:00 AM	29.2	122.4	2.1	121.2	2
7/9/2021	6:15:00 AM	28.9	119.7	2.8	120	2.8
7/9/2021	6:20:00 AM	28.8	114.4	3.1	114.3	3.1
7/9/2021	6:25:00 AM	31	95.6	1.3	107.1	1.3
7/9/2021	6:30:00 AM	32.1	118.6	0	163.9	0.5
7/9/2021	6:35:00 AM	31	342.8	1.5	5.7	1.2
7/9/2021	6:40:00 AM	28.7	302.6	3	326.8	2.5
7/9/2021	6:45:00 AM	27.4	256.9	1.4	255.4	0.8
7/9/2021	6:50:00 AM	25.7	320.5	2.9	319.7	2.6
7/9/2021	6:55:00 AM	25	295.6	0	297.2	0.7
7/9/2021	7:00:00 AM	24.8	15.2	1.7	20.6	1.5
7/9/2021	7:05:00 AM	25	318.1	4	320.1	3.7
7/9/2021	7:10:00 AM	24.7	17.9	3.6	15.9	3.5
7/9/2021	7:15:00 AM	30.5	58.4	3.3	59	3.1
7/9/2021	7:20:00 AM	34	29	2.4	25.3	1.5
7/9/2021	7:25:00 AM	34.6	349.2	0.9	323.2	0.3
7/9/2021	7:30:00 AM	32.7	306.2	3.3	301.8	2.7
7/9/2021	7:35:00 AM	31	256.9	1.9	257.7	1.7
7/9/2021	7:40:00 AM	30.3	265.9	3.3	268	3.2
7/9/2021	7:45:00 AM	29.3	281.4	2.6	284.7	2.4
7/9/2021	7:50:00 AM	26.7	262.8	2.7	261.3	2.5
7/9/2021	7:55:00 AM	26.5	281.4	3.1	282.7	3
7/9/2021	8:00:00 AM	<	295	4.9	295.4	4.7
7/9/2021	8:05:00 AM	<	301.5	4.1	299.2	4
7/9/2021	8:10:00 AM	<	265.7	3.6	267	3.4
7/9/2021	8:15:00 AM	<	290	4.4	288.3	4.1
7/9/2021	8:20:00 AM	<	269.1	4.7	270.3	4.5
7/9/2021	8:25:00 AM	<	279.8	3.2	274.5	2.7
7/9/2021	8:30:00 AM	<	316.3	3.9	316.6	3
7/9/2021	8:35:00 AM	<	264.5	4	264.4	3.7
7/9/2021	8:40:00 AM	<	293.9	1.2	266.8	0.5
7/9/2021	8:45:00 AM	<	245.7	3.3	245.8	3

Site: South Scottsdale						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	8:50:00 AM	<	216.6	2.9	219.4	2.5
7/9/2021	8:55:00 AM	<	296.4	2.5	298	2.1
7/9/2021	9:00:00 AM	<	282.5	3.5	279.2	3.2
7/9/2021	9:05:00 AM	<	239.7	3.2	245.8	2.9
7/9/2021	9:10:00 AM	<	214.4	1.2	211.4	0.8
7/9/2021	9:15:00 AM	<	254.8	2.3	259.8	2
7/9/2021	9:20:00 AM	<	304.4	4.2	294.5	3.8
7/9/2021	9:25:00 AM	<	314.5	1.1	265.9	0.7
7/9/2021	9:30:00 AM	<	260.4	3.8	266.3	3.3
7/9/2021	9:35:00 AM	<	283.8	5.2	282.2	5
7/9/2021	9:40:00 AM	<	282.7	3.7	278	3.3
7/9/2021	9:45:00 AM	<	243.9	3.4	247.8	3.2
7/9/2021	9:50:00 AM	<	246.8	4	244.7	3.8
7/9/2021	9:55:00 AM	<	246.9	3	242.4	2.6
7/9/2021	10:00:00 AM	25.6	143.7	2.8	148.6	2.5
7/9/2021	10:05:00 AM	26.2	142.2	2.2	145.4	2
7/9/2021	10:10:00 AM	27.1	162.9	3.1	166.3	2.8
7/9/2021	10:15:00 AM	27.7	207	2.6	245.1	1.3
7/9/2021	10:20:00 AM	29.1	248.3	4.8	252.3	4.5
7/9/2021	10:25:00 AM	30	213.2	4	227.2	3.1
7/9/2021	10:30:00 AM	30.5	247.5	2.1	264.9	1.5
7/9/2021	10:35:00 AM	31.5	271.1	4.1	272.1	3.5
7/9/2021	10:40:00 AM	33.3	198.6	1.5	197.1	0.4
7/9/2021	10:45:00 AM	36.7	141.8	4.7	142.7	4.5
7/9/2021	10:50:00 AM	38.2	135.6	4.4	136	4.3
7/9/2021	10:55:00 AM	38.1	180.3	4.3	167.2	4.1
7/9/2021	11:00:00 AM	37.6	151.1	4.7	155.4	4.2
7/9/2021	11:05:00 AM	37.4	213.3	2.5	208.2	2.2
7/9/2021	11:10:00 AM	36.4	155.8	1.4	158.1	0.7
7/9/2021	11:15:00 AM	36.7	124.7	3.6	128.1	3.3
7/9/2021	11:20:00 AM	35.8	159.4	4.5	159.4	4.2
7/9/2021	11:25:00 AM	35.5	141.5	2.9	139.3	2.6
7/9/2021	11:30:00 AM	37.5	131.3	5.4	134.1	5.1
7/9/2021	11:35:00 AM	39.6	92	5	91.6	4.6
7/9/2021	11:40:00 AM	39.7	129.2	2.8	125.1	2.4
7/9/2021	11:45:00 AM	40.7	191.7	3	201.2	2.4
7/9/2021	11:50:00 AM	40.4	197.2	6.1	199.9	5.1
7/9/2021	11:55:00 AM	40.1	238.3	5.8	239.5	4.9
7/9/2021	12:00:00 PM	40.6	243.9	5.2	239.6	4.6
7/9/2021	12:05:00 PM	44.6	242.2	4.5	251.3	3.9
7/9/2021	12:10:00 PM	46.4	221.8	3	221.1	2.5
7/9/2021	12:15:00 PM	46.5	230.6	6.2	226.5	5.9
7/9/2021	12:20:00 PM	47.2	231.7	6.8	232	6.2
7/9/2021	12:25:00 PM	47.6	196.8	7.1	199.8	6.8
7/9/2021	12:30:00 PM	47.3	203	6.9	203.3	6.7
7/9/2021	12:35:00 PM	46	145.6	4.9	148	4.2
7/9/2021	12:40:00 PM	45.3	191.8	5.4	194	4.3
7/9/2021	12:45:00 PM	43.5	234.2	6.4	234.3	5.9
7/9/2021	12:50:00 PM	40	292.5	7.6	293.4	7.1
7/9/2021	12:55:00 PM	37.2	285.6	4.7	281.9	4.2
7/9/2021	1:00:00 PM	34.8	274	8	274.5	7.5
7/9/2021	1:05:00 PM	34.4	261.6	7.8	263.6	7.3
7/9/2021	1:10:00 PM	34.7	283.7	8	279.8	7.7

Site: South Scottsdale						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	1:15:00 PM	34.3	312.6	5.4	310.3	5.2
7/9/2021	1:20:00 PM	33.8	291.6	4.9	289.5	4.1
7/9/2021	1:25:00 PM	33.1	254.9	9	256	8.7
7/9/2021	1:30:00 PM	32.2	251.8	7.3	250.2	6.9
7/9/2021	1:35:00 PM	31.5	262.8	9.8	263.2	9.4
7/9/2021	1:40:00 PM	30.7	240.9	9.2	242.5	9
7/9/2021	1:45:00 PM	29.8	235.8	6.4	236.2	6.2
7/9/2021	1:50:00 PM	29.3	267.9	6.1	269.7	5.6
7/9/2021	1:55:00 PM	29.5	277.5	5.7	285.7	5.4
7/9/2021	2:00:00 PM	29.5	282.1	8.5	281.9	8.2
7/9/2021	2:05:00 PM	28.8	283.3	7.9	281.6	7.4
7/9/2021	2:10:00 PM	27.8	295.4	8.5	294.4	7.7
7/9/2021	2:15:00 PM	26.7	277.2	9.2	275.7	8.7
7/9/2021	2:20:00 PM	26.9	274	10.5	272.8	10.2
7/9/2021	2:25:00 PM	28.3	306.9	9.2	307.2	8.7
7/9/2021	2:30:00 PM	29.3	299.9	8.1	299.8	7.8
7/9/2021	2:35:00 PM	29.7	295.4	7.4	303.5	6.8
7/9/2021	2:40:00 PM	29.6	279	6.5	279.6	5.8
7/9/2021	2:45:00 PM	29.9	261.3	8.4	261.3	7.6
7/9/2021	2:50:00 PM	29.7	274.9	8.3	275.8	7.9
7/9/2021	2:55:00 PM	30	263.1	7.3	265.3	6.9
7/9/2021	3:00:00 PM	30.7	263.3	6	264.2	5.4
7/9/2021	3:05:00 PM	30.7	268.4	5.1	263.6	4.6
7/9/2021	3:10:00 PM	30.2	292.9	5.3	294.5	5
7/9/2021	3:15:00 PM	30	297.4	7.4	294.7	6.7
7/9/2021	3:20:00 PM	29.7	290	8.1	291.5	7.7
7/9/2021	3:25:00 PM	29.2	275.9	10.1	275.1	9.6
7/9/2021	3:30:00 PM	29	253.2	9.2	253.9	8.9
7/9/2021	3:35:00 PM	27.8	261	6.1	259.1	5.9
7/9/2021	3:40:00 PM	26.3	272.6	6.4	272.4	5.5
7/9/2021	3:45:00 PM	25.4	274.8	8.5	276.4	8
7/9/2021	3:50:00 PM	25	289.7	8.2	289.7	8
7/9/2021	3:55:00 PM	24.2	271.7	6.6	275.2	6.1
7/9/2021	4:00:00 PM	23.9	245	6.3	245.1	6
7/9/2021	4:05:00 PM	23.6	263.7	4.8	270.5	4.4
7/9/2021	4:10:00 PM	23.4	243.4	9.9	244.2	9.7
7/9/2021	4:15:00 PM	22.9	252.9	7.7	253.1	7.6
7/9/2021	4:20:00 PM	22.8	250.9	7.7	252.2	7.5
7/9/2021	4:25:00 PM	22.3	255.2	8	255.7	7.7
7/9/2021	4:30:00 PM	22.3	247.9	4.2	250	3.8
7/9/2021	4:35:00 PM	22.7	243.5	8	252.2	7.4
7/9/2021	4:40:00 PM	22.5	242.6	5.9	244.3	5.5
7/9/2021	4:45:00 PM	22.1	252.7	11.1	253.8	10.8
7/9/2021	4:50:00 PM	22.3	244.7	4.7	248.7	4.5
7/9/2021	4:55:00 PM	21.9	293.7	4.9	283.3	4.1
7/9/2021	5:00:00 PM	22.1	262.7	10	262.7	9.7
7/9/2021	5:05:00 PM	22.2	266.7	7.1	266.8	6.9
7/9/2021	5:10:00 PM	22	236.6	8.9	236.9	8.6
7/9/2021	5:15:00 PM	23.2	260.4	6.8	258.6	6.3
7/9/2021	5:20:00 PM	23.4	264.9	9.1	263.4	8.6
7/9/2021	5:25:00 PM	23.4	232.5	6.6	233.9	6.3
7/9/2021	5:30:00 PM	24.2	252.8	6.1	254.8	5.8
7/9/2021	5:35:00 PM	24.7	270.6	7.6	271.3	7.2

Site: South Scottsdale						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	5:40:00 PM	24.6	269.3	7.6	268.7	7.3
7/9/2021	5:45:00 PM	24.8	267.1	5.6	268.6	5.1
7/9/2021	5:50:00 PM	25.4	272	5	274.4	4.5
7/9/2021	5:55:00 PM	25	249.3	7.8	247.6	7.5
7/9/2021	6:00:00 PM	24.5	282.2	7.3	284.4	7
7/9/2021	6:05:00 PM	24.9	257.4	6.7	256.4	6.3
7/9/2021	6:10:00 PM	25.1	253	7.3	252.7	7.1
7/9/2021	6:15:00 PM	23.6	244.7	6.4	243.2	6
7/9/2021	6:20:00 PM	23.4	248.5	5.3	249.1	5.1
7/9/2021	6:25:00 PM	23.9	255.2	4.4	260	4
7/9/2021	6:30:00 PM	24.1	277.2	6.6	276.9	6.3
7/9/2021	6:35:00 PM	24.4	257.3	8.1	257.7	8
7/9/2021	6:40:00 PM	24.2	246.4	6.4	247.1	6.2
7/9/2021	6:45:00 PM	23.7	243.3	7.6	244	7.3
7/9/2021	6:50:00 PM	23	227.3	5.8	226	5.6
7/9/2021	6:55:00 PM	23	235.5	7.5	235.8	7.3
7/9/2021	7:00:00 PM	22.5	252.2	6.8	250.8	6.5
7/9/2021	7:05:00 PM	22.3	248.6	7.6	249.3	7.4
7/9/2021	7:10:00 PM	21.9	244	7	243.6	6.7
7/9/2021	7:15:00 PM	21.8	254.7	8	254.5	7.8
7/9/2021	7:20:00 PM	21.6	256.7	7.7	256.7	7.5
7/9/2021	7:25:00 PM	21.4	252.1	8.1	253.1	7.8
7/9/2021	7:30:00 PM	21.5	248.9	7.2	249.7	7.1
7/9/2021	7:35:00 PM	21.5	248.6	5.4	249.5	5.2
7/9/2021	7:40:00 PM	21.3	255.5	7.1	254.5	6.8
7/9/2021	7:45:00 PM	21.7	244.8	7.3	244.7	7.2
7/9/2021	7:50:00 PM	22.3	234.2	7.8	234.3	7.6
7/9/2021	7:55:00 PM	22.7	239.4	6.5	240.2	6.3
7/9/2021	8:00:00 PM	23.8	243.6	5.4	245.3	5.2
7/9/2021	8:05:00 PM	24.6	247.6	8	248	7.8
7/9/2021	8:10:00 PM	24.4	241.8	7.7	241.8	7.4
7/9/2021	8:15:00 PM	24.4	241.9	9.3	242.3	9
7/9/2021	8:20:00 PM	22	237.7	8.8	238.6	8.5
7/9/2021	8:25:00 PM	20	240.6	10.5	241.8	10.2
7/9/2021	8:30:00 PM	20.4	249.4	9.5	249.6	9.2
7/9/2021	8:35:00 PM	20.5	241.3	7.6	242.1	7.4
7/9/2021	8:40:00 PM	21.4	240.4	9.2	239.6	9
7/9/2021	8:45:00 PM	23.7	240.3	7.8	240	7.6
7/9/2021	8:50:00 PM	25.2	245.1	9.5	245.6	9.3
7/9/2021	8:55:00 PM	24.2	243.2	9.8	243.7	9.6
7/9/2021	9:00:00 PM	23.3	241.3	9.7	241.2	9.5
7/9/2021	9:05:00 PM	23.2	237.9	10	238	9.7
7/9/2021	9:10:00 PM	24	245.8	9.9	245.4	9.6
7/9/2021	9:15:00 PM	26	246.1	9.9	246.4	9.6
7/9/2021	9:20:00 PM	26	243.6	9.1	242	8.8
7/9/2021	9:25:00 PM	25.7	248.8	8	249.5	7.8
7/9/2021	9:30:00 PM	26	242.4	8	242.6	7.9
7/9/2021	9:35:00 PM	27.2	245.5	6.8	246.2	6.6
7/9/2021	9:40:00 PM	26.7	234.6	3.7	235.9	3.5
7/9/2021	9:45:00 PM	26.3	226.4	5.7	228	5.5
7/9/2021	9:50:00 PM	26.8	238	7.7	238.4	7.4
7/9/2021	9:55:00 PM	26.5	247.4	7.2	248.4	7
7/9/2021	10:00:00 PM	25.1	237.1	6.2	238	6.1

Site: South Scottsdale						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	10:05:00 PM	24.3	236.7	4.3	236.6	4.2
7/9/2021	10:10:00 PM	25.2	239.8	4.7	238.6	4.6
7/9/2021	10:15:00 PM	25.2	214.9	3.6	214.9	3.5
7/9/2021	10:20:00 PM	26.9	145	3.2	144.2	3
7/9/2021	10:25:00 PM	30.6	151	4.9	151.4	4.8
7/9/2021	10:30:00 PM	33.5	143.3	7	143.4	6.9
7/9/2021	10:35:00 PM	36.8	129.2	17.6	126.9	16.4
7/9/2021	10:40:00 PM	58.3	117.6	14.5	118	14
7/9/2021	10:45:00 PM	170.2	123.8	20	124.7	19.3
7/9/2021	10:50:00 PM	679	140.5	20.6	139.4	20.1
7/9/2021	10:55:00 PM	2680.6	146.2	15.3	145.9	14.8
7/9/2021	11:00:00 PM	5241.6	137.5	12.8	138	12.3
7/9/2021	11:05:00 PM	6256.8	140.9	12.3	140.3	11.9
7/9/2021	11:10:00 PM	6223.2	149.2	11.8	149.2	11.6
7/9/2021	11:15:00 PM	5541.6	149.5	11	149	10.8
7/9/2021	11:20:00 PM	4534.6	156.8	3.9	151.6	3.8
7/9/2021	11:25:00 PM	3516.8	161.3	6.6	161.4	6.4
7/9/2021	11:30:00 PM	2636.7	168.5	8.7	168.2	8.6
7/9/2021	11:35:00 PM	1927.7	179.3	8.4	180.5	8.2
7/9/2021	11:40:00 PM	1389.3	180.6	5.5	181.1	5.1
7/9/2021	11:45:00 PM	993.6	132.7	5.3	133.8	5.1
7/9/2021	11:50:00 PM	710.8	134.3	3.9	135.6	3.4
7/9/2021	11:55:00 PM	506.8	186.3	6.3	186.5	5.9
Average		188.7	255	5.8	250.9	3.8
Max		6256.8	357.9	20.6	352.8	20.1
Max Hour		691279.1164	3815.410174	9.463256751	3814.660673	9.267372121
Min		18.1	15.2	0	5.7	0.3
Count		264	288	288	288	288
Total		49830	69494.6	1691.7	69326.6	1602.7
Date Printed:		9/30/2024 11:01				

Site: Tempe						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	12:00:00 AM		278.7	5.3	276.2	4.8
7/9/2021	12:05:00 AM		280.1	4.4	276	3.9
7/9/2021	12:10:00 AM		269.2	4.5	267.4	4
7/9/2021	12:15:00 AM		270.7	3.3	270	2.9
7/9/2021	12:20:00 AM		270.5	3.6	270.3	3
7/9/2021	12:25:00 AM		263	3.3	252.2	2.7
7/9/2021	12:30:00 AM		263.8	3.6	261.7	3.1
7/9/2021	12:35:00 AM		274.2	2.8	263	2.5
7/9/2021	12:40:00 AM		268.4	4.2	266	3.6
7/9/2021	12:45:00 AM		276.1	3.2	274.3	2.7
7/9/2021	12:50:00 AM		274.9	3.1	270.5	2.5
7/9/2021	12:55:00 AM		261.7	2.1	261.5	1.7
7/9/2021	1:00:00 AM		255.6	2.6	249.8	2.1
7/9/2021	1:05:00 AM		243.9	2.3	233.7	1.9
7/9/2021	1:10:00 AM		250.5	2	246.6	1.7
7/9/2021	1:15:00 AM		275.9	1.4	264.4	1.2
7/9/2021	1:20:00 AM		281.6	1.2	272.9	0.9
7/9/2021	1:25:00 AM		296.8	1.6	295	1.3
7/9/2021	1:30:00 AM		289.9	2	287.8	1.8
7/9/2021	1:35:00 AM		280.9	2.3	279	2.1
7/9/2021	1:40:00 AM		303.2	1.7	302.9	1.6
7/9/2021	1:45:00 AM		289.2	1.8	287.9	1.6
7/9/2021	1:50:00 AM		292.1	1.7	288.8	1.6
7/9/2021	1:55:00 AM		277.3	2.3	277.4	2.2
7/9/2021	2:00:00 AM		297.9	1.5	297.5	1.5
7/9/2021	2:05:00 AM		298.2	2	298.2	1.8
7/9/2021	2:10:00 AM		291.7	1.6	290.1	1.6
7/9/2021	2:15:00 AM		279.6	1.1	275.9	1
7/9/2021	2:20:00 AM		315.2	1.4	314.1	1
7/9/2021	2:25:00 AM		17.3	0	21	0
7/9/2021	2:30:00 AM		327.8	0	319.2	0.5
7/9/2021	2:35:00 AM		280.1	0	259.3	0.4
7/9/2021	2:40:00 AM		302.4	1.1	304	1
7/9/2021	2:45:00 AM		297.6	0	308.2	0.5
7/9/2021	2:50:00 AM		323.4	1	316.1	0.9
7/9/2021	2:55:00 AM		327.4	0	336.2	0.5
7/9/2021	3:00:00 AM		19.8	0	56.4	0.2
7/9/2021	3:05:00 AM		355.6	0	349.7	0.1
7/9/2021	3:10:00 AM		321.4	0	322.8	0.5
7/9/2021	3:15:00 AM		314.1	0	316.4	0
7/9/2021	3:20:00 AM		337	1.3	342.1	1.3
7/9/2021	3:25:00 AM		351	2.1	351.3	2
7/9/2021	3:30:00 AM		351	1	345.8	0.9
7/9/2021	3:35:00 AM		339.1	0	21	0
7/9/2021	3:40:00 AM		355.3	0	355.8	0.6
7/9/2021	3:45:00 AM		340	1.1	340.7	1
7/9/2021	3:50:00 AM		355.8	1.6	355.1	1.5
7/9/2021	3:55:00 AM		341.8	1.8	339.4	1.6
7/9/2021	4:00:00 AM		15.2	0	12.1	0.5
7/9/2021	4:05:00 AM		351.2	0	10.5	0.5
7/9/2021	4:10:00 AM		339.1	1	348.4	0.9
7/9/2021	4:15:00 AM		9.2	0	34.2	0
7/9/2021	4:20:00 AM		125	0	89.8	0.1

Site: Tempe						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	4:25:00 AM		81.5	1.5	81	1.5
7/9/2021	4:30:00 AM		41.2	0	57.4	0.7
7/9/2021	4:35:00 AM		11.7	0.9	16.6	0.8
7/9/2021	4:40:00 AM		17.5	1	18.1	0.9
7/9/2021	4:45:00 AM		2.7	0	2.9	0.3
7/9/2021	4:50:00 AM		344.8	0	334.3	0
7/9/2021	4:55:00 AM		26.7	0	37.8	0.1
7/9/2021	5:00:00 AM		130.1	0	90.7	0.3
7/9/2021	5:05:00 AM		106.8	0	99.8	0.6
7/9/2021	5:10:00 AM		23.9	0	24.6	0
7/9/2021	5:15:00 AM		48.1	1	67	0.9
7/9/2021	5:20:00 AM		97.9	2.3	97.8	2.2
7/9/2021	5:25:00 AM		82.3	2	82.7	1.9
7/9/2021	5:30:00 AM		39.8	0	55.5	0.8
7/9/2021	5:35:00 AM		48.3	0	57.5	0.5
7/9/2021	5:40:00 AM		53.5	0.9	55.7	0.9
7/9/2021	5:45:00 AM		37.3	0	41.4	0.5
7/9/2021	5:50:00 AM		54.5	0	61	0.7
7/9/2021	5:55:00 AM		71.8	1.7	70.4	1.7
7/9/2021	6:00:00 AM		68.9	1.9	68.8	1.9
7/9/2021	6:05:00 AM		43.2	1.8	45.7	1.6
7/9/2021	6:10:00 AM		40.1	1.8	42.6	1.8
7/9/2021	6:15:00 AM		49.2	1.9	48	1.8
7/9/2021	6:20:00 AM		36.9	1.3	39.3	1.3
7/9/2021	6:25:00 AM		54.6	2	59.5	1.9
7/9/2021	6:30:00 AM		23.6	1.5	23	1.4
7/9/2021	6:35:00 AM		36.1	1.3	33.6	1.2
7/9/2021	6:40:00 AM		19.2	1.2	19	1.1
7/9/2021	6:45:00 AM		12.8	2.2	12.2	2
7/9/2021	6:50:00 AM		17.2	1.3	16	1.3
7/9/2021	6:55:00 AM		16.6	1.4	14.9	1.3
7/9/2021	7:00:00 AM		7.5	2	6.4	1.9
7/9/2021	7:05:00 AM		10.5	1.3	7.6	1.2
7/9/2021	7:10:00 AM		22.6	1.6	25.2	1.5
7/9/2021	7:15:00 AM		6.9	1.7	7.8	1.6
7/9/2021	7:20:00 AM		14.2	1.3	16.6	1.2
7/9/2021	7:25:00 AM		45.4	1.5	56	1.3
7/9/2021	7:30:00 AM		33.7	1	49.8	0.8
7/9/2021	7:35:00 AM		62	2.2	59.7	2
7/9/2021	7:40:00 AM		83.1	2.1	78.6	1.7
7/9/2021	7:45:00 AM		81.2	3.5	81.1	3.3
7/9/2021	7:50:00 AM		73.1	3.2	75.3	3.1
7/9/2021	7:55:00 AM		65.1	2.2	68.6	2.1
7/9/2021	8:00:00 AM		78.7	2.9	80.8	2.7
7/9/2021	8:05:00 AM		34.4	3	33	2.8
7/9/2021	8:10:00 AM		83.7	2	82.7	1.8
7/9/2021	8:15:00 AM		14.4	1	23.9	0.8
7/9/2021	8:20:00 AM		52.3	1.3	70.4	1.1
7/9/2021	8:25:00 AM		85.5	2.4	86.3	2.2
7/9/2021	8:30:00 AM		89.8	2.5	91.6	2.1
7/9/2021	8:35:00 AM		104.1	2.3	110.9	1.9
7/9/2021	8:40:00 AM		250.4	1.5	158	0.1
7/9/2021	8:45:00 AM		226.1	3	243.6	2

Site: Tempe						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	8:50:00 AM		7.8	3.7	16.1	3.1
7/9/2021	8:55:00 AM		16.5	1.9	7.9	1.2
7/9/2021	9:00:00 AM		325.5	1.6	326.2	1.4
7/9/2021	9:05:00 AM		59.9	2	64.5	1.8
7/9/2021	9:10:00 AM		90.3	2.4	78.2	1.8
7/9/2021	9:15:00 AM		113.4	3.1	112.5	2.9
7/9/2021	9:20:00 AM		173.1	2.6	167.2	2.2
7/9/2021	9:25:00 AM		104.1	3	113.7	2.7
7/9/2021	9:30:00 AM		20.6	0	13.8	0.4
7/9/2021	9:35:00 AM		288.1	3	282.4	2.8
7/9/2021	9:40:00 AM		275.2	3.6	278.4	3.4
7/9/2021	9:45:00 AM		293.2	2.7	292.2	2.6
7/9/2021	9:50:00 AM		249.6	2.5	245.8	1.9
7/9/2021	9:55:00 AM		237.7	2.1	230.4	1.6
7/9/2021	10:00:00 AM		113.1	1.7	113.7	0.9
7/9/2021	10:05:00 AM		135	1.7	147.6	0.9
7/9/2021	10:10:00 AM		232.2	3.5	230.3	3.3
7/9/2021	10:15:00 AM		261.7	3.1	255.6	2.6
7/9/2021	10:20:00 AM		253.5	4	246.9	3.8
7/9/2021	10:25:00 AM		265.5	4	270.5	3.7
7/9/2021	10:30:00 AM		193.2	1.1	189.8	0.5
7/9/2021	10:35:00 AM		254	3.1	243.3	3
7/9/2021	10:40:00 AM		351.3	0	351.2	0.4
7/9/2021	10:45:00 AM		97.6	1.4	99.2	1.3
7/9/2021	10:50:00 AM		78.2	3.5	78.7	3.3
7/9/2021	10:55:00 AM		193.9	1.6	186.9	1
7/9/2021	11:00:00 AM		100.7	1.4	106.1	0.9
7/9/2021	11:05:00 AM		93.7	4.2	95.5	4
7/9/2021	11:10:00 AM		71.7	3.2	74.7	3
7/9/2021	11:15:00 AM		184.6	4.8	198.5	4.1
7/9/2021	11:20:00 AM		137.3	3.1	151	2.2
7/9/2021	11:25:00 AM		185.3	1.7	163.4	1.2
7/9/2021	11:30:00 AM		175.8	3.1	155.3	2.6
7/9/2021	11:35:00 AM		88.6	3.6	91.4	3.1
7/9/2021	11:40:00 AM		60.5	2.8	59.7	2.7
7/9/2021	11:45:00 AM		62.8	2.3	70.1	1.9
7/9/2021	11:50:00 AM		111	2.9	108.9	2.6
7/9/2021	11:55:00 AM		216.7	3.8	214.7	3.1
7/9/2021	12:00:00 PM		219.2	2.9	220.6	2.3
7/9/2021	12:05:00 PM		0.5	2.7	344.9	2.2
7/9/2021	12:10:00 PM		287.1	2.3	314.3	0.2
7/9/2021	12:15:00 PM		163.4	3.8	161.5	3.2
7/9/2021	12:20:00 PM		240.9	4.2	240.2	3.9
7/9/2021	12:25:00 PM		176.4	2	200	1.5
7/9/2021	12:30:00 PM		215.5	4.1	221.1	3.8
7/9/2021	12:35:00 PM		236.3	2.5	236.3	1.9
7/9/2021	12:40:00 PM		319.5	4.9	317.7	4.6
7/9/2021	12:45:00 PM		298.1	2.5	302.3	2.1
7/9/2021	12:50:00 PM		241.5	2.9	237.7	2.7
7/9/2021	12:55:00 PM		243.2	4.2	243.2	3.7
7/9/2021	1:00:00 PM		161.2	3.1	168.3	2.3
7/9/2021	1:05:00 PM		193.9	3	188.7	2.4
7/9/2021	1:10:00 PM		241.8	3.9	234.7	3.3

Site: Tempe						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	1:15:00 PM		237.9	4.4	246	3.2
7/9/2021	1:20:00 PM		223.7	4.8	215.8	4.2
7/9/2021	1:25:00 PM		300.8	5.5	300.7	5.2
7/9/2021	1:30:00 PM		305.5	5.3	306.6	5.1
7/9/2021	1:35:00 PM		302.3	5.7	303.5	5.1
7/9/2021	1:40:00 PM		313.2	4.7	313	4.1
7/9/2021	1:45:00 PM		289.6	5.4	287.8	5.1
7/9/2021	1:50:00 PM		295.5	5.7	292.2	4.6
7/9/2021	1:55:00 PM		268.4	7	259.9	6
7/9/2021	2:00:00 PM		291.8	4.7	288.6	4.5
7/9/2021	2:05:00 PM		273.4	5.3	271.8	4.7
7/9/2021	2:10:00 PM		298.1	2.7	293.4	2.5
7/9/2021	2:15:00 PM		286.8	5.8	286	5.4
7/9/2021	2:20:00 PM		263	5.5	263.5	4.8
7/9/2021	2:25:00 PM		253	5	250.2	4.4
7/9/2021	2:30:00 PM		248.8	6.1	249.8	5.3
7/9/2021	2:35:00 PM		276.5	4.9	284.1	4.1
7/9/2021	2:40:00 PM		304.7	6.3	303.6	5.9
7/9/2021	2:45:00 PM		290.2	3.8	288.2	3.4
7/9/2021	2:50:00 PM		269.6	4.8	263.2	4.1
7/9/2021	2:55:00 PM		244.6	5.6	237.5	4.9
7/9/2021	3:00:00 PM		280.2	5.5	284	4.7
7/9/2021	3:05:00 PM		296.6	6.4	296	6.1
7/9/2021	3:10:00 PM		310.9	5.2	310.4	4.9
7/9/2021	3:15:00 PM		275.2	3.3	276.8	2.7
7/9/2021	3:20:00 PM		262.6	3.5	258.6	2.9
7/9/2021	3:25:00 PM		284.8	4.6	282	4.1
7/9/2021	3:30:00 PM		292.8	5.5	289.5	5.2
7/9/2021	3:35:00 PM		290.5	5.4	285.1	4.5
7/9/2021	3:40:00 PM		257.5	4.3	257.1	3.3
7/9/2021	3:45:00 PM		287.2	4.7	286.8	4.2
7/9/2021	3:50:00 PM		272.3	4.7	272	4.4
7/9/2021	3:55:00 PM		294.5	4.7	294.6	4.2
7/9/2021	4:00:00 PM		295.2	5.6	298.2	4.9
7/9/2021	4:05:00 PM		256.7	3.5	246.8	3
7/9/2021	4:10:00 PM		289.5	5	288.9	4.5
7/9/2021	4:15:00 PM		294.1	6.1	291.3	5.7
7/9/2021	4:20:00 PM		285.5	6.2	286.9	5.9
7/9/2021	4:25:00 PM		298.5	3.6	296.4	3.2
7/9/2021	4:30:00 PM		266.2	2.9	273.2	2.6
7/9/2021	4:35:00 PM		276	4.1	280.9	3.5
7/9/2021	4:40:00 PM		293.2	3.9	295.3	3.6
7/9/2021	4:45:00 PM		265.5	2.9	267	2.5
7/9/2021	4:50:00 PM		284.6	2.2	282.2	1.9
7/9/2021	4:55:00 PM		286.9	6.8	287.5	6.1
7/9/2021	5:00:00 PM		278.6	4.7	278.9	4.1
7/9/2021	5:05:00 PM		278.9	4.7	280	4.3
7/9/2021	5:10:00 PM		274.7	4	251.4	3.5
7/9/2021	5:15:00 PM		285.8	4.4	286	3.9
7/9/2021	5:20:00 PM		252.7	3.9	246	3.5
7/9/2021	5:25:00 PM		291.6	6.9	292.4	6.6
7/9/2021	5:30:00 PM		306.5	5.3	305	4.9
7/9/2021	5:35:00 PM		306.2	3.1	310.6	2.7

Site: Tempe						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	5:40:00 PM		279.7	5.1	284.5	4.6
7/9/2021	5:45:00 PM		247.9	4.5	242.1	4.1
7/9/2021	5:50:00 PM		256.1	3.4	251	2.9
7/9/2021	5:55:00 PM		289.1	3	288	2.8
7/9/2021	6:00:00 PM		277.3	3	277.2	2.6
7/9/2021	6:05:00 PM		296.9	5.1	295.6	4.9
7/9/2021	6:10:00 PM		306.1	3.5	309	3.1
7/9/2021	6:15:00 PM		262.1	3.5	259	3.2
7/9/2021	6:20:00 PM		278.9	3.2	278	3
7/9/2021	6:25:00 PM		248	5.3	242	4.9
7/9/2021	6:30:00 PM		289	3.9	286.5	3.7
7/9/2021	6:35:00 PM		267	3.7	261.5	3.2
7/9/2021	6:40:00 PM		270.8	3	271.7	2.6
7/9/2021	6:45:00 PM		230.5	5	229.6	4.6
7/9/2021	6:50:00 PM		228.6	5.2	227.8	5
7/9/2021	6:55:00 PM		241.2	5.1	236.7	4.8
7/9/2021	7:00:00 PM		239.5	4.5	229.8	4.2
7/9/2021	7:05:00 PM		237.5	3.8	235.6	3.6
7/9/2021	7:10:00 PM		247.7	3.2	233.1	2.9
7/9/2021	7:15:00 PM		238.7	3.2	237.5	3
7/9/2021	7:20:00 PM		253.5	2.4	244.3	2.2
7/9/2021	7:25:00 PM		236.6	3.5	236.5	3.2
7/9/2021	7:30:00 PM		237.9	5.1	234.3	4.8
7/9/2021	7:35:00 PM		270.5	2.1	257.9	1.7
7/9/2021	7:40:00 PM		245.1	4.5	240.6	4.2
7/9/2021	7:45:00 PM		238.2	3	236.6	2.8
7/9/2021	7:50:00 PM		234.1	4.1	232.8	3.9
7/9/2021	7:55:00 PM		240.5	3.2	235.7	3
7/9/2021	8:00:00 PM		233.8	2.6	233.8	2.4
7/9/2021	8:05:00 PM		245.1	2.6	240.5	2.2
7/9/2021	8:10:00 PM		250.4	1.9	244.8	1.7
7/9/2021	8:15:00 PM		252.9	2.7	249.3	2.4
7/9/2021	8:20:00 PM		252.8	3.5	246.6	3.1
7/9/2021	8:25:00 PM		247.3	4	242.2	3.6
7/9/2021	8:30:00 PM		246.5	4.4	241.8	3.9
7/9/2021	8:35:00 PM		238.6	6.3	236.2	6
7/9/2021	8:40:00 PM		241.8	4.6	239	4.3
7/9/2021	8:45:00 PM		233.7	5.8	233.3	5.5
7/9/2021	8:50:00 PM		248.1	3.8	241.7	3.4
7/9/2021	8:55:00 PM		251.5	2.9	244.3	2.6
7/9/2021	9:00:00 PM		254.9	4	249.1	3.6
7/9/2021	9:05:00 PM		260.6	2.6	264.7	2.2
7/9/2021	9:10:00 PM		275.4	1.9	277.4	1.7
7/9/2021	9:15:00 PM		268.1	2.1	268	2
7/9/2021	9:20:00 PM		252.2	2.5	253.9	2.1
7/9/2021	9:25:00 PM		244.7	2.6	240.3	2.3
7/9/2021	9:30:00 PM		254.1	2.1	246.3	1.8
7/9/2021	9:35:00 PM		280.3	1.8	276.5	1.6
7/9/2021	9:40:00 PM		249.8	2.6	244.3	2.4
7/9/2021	9:45:00 PM		256.9	2	243.8	1.6
7/9/2021	9:50:00 PM		263.2	1.9	254.1	1.5
7/9/2021	9:55:00 PM		286.2	2	276.4	1.7
7/9/2021	10:00:00 PM		276.3	1.7	266.6	1.5

Site: Tempe						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/9/2021	10:05:00 PM		253	1.5	245.1	1.4
7/9/2021	10:10:00 PM		287.8	1.5	273.3	1.1
7/9/2021	10:15:00 PM		37	0	118.2	0.2
7/9/2021	10:20:00 PM		113.5	2.4	105.4	2.3
7/9/2021	10:25:00 PM		97.9	3.1	97.8	3.1
7/9/2021	10:30:00 PM		111.8	7.7	114.6	7.2
7/9/2021	10:35:00 PM		93.3	17	92.7	16.4
7/9/2021	10:40:00 PM		105.7	13.4	108.7	12.1
7/9/2021	10:45:00 PM		96.7	15.7	97.9	15.1
7/9/2021	10:50:00 PM		103	10.4	103.7	9.6
7/9/2021	10:55:00 PM		115.7	14.5	116	13.8
7/9/2021	11:00:00 PM		123.3	10.9	124.6	10.1
7/9/2021	11:05:00 PM		129.7	10.7	129.6	9.8
7/9/2021	11:10:00 PM		146.3	8.5	146.6	8
7/9/2021	11:15:00 PM		156.5	7.3	156.8	6.8
7/9/2021	11:20:00 PM		179.4	7.9	181	7.7
7/9/2021	11:25:00 PM		175.6	7.4	177	7.1
7/9/2021	11:30:00 PM		189.4	9.7	189.8	9.4
7/9/2021	11:35:00 PM		196.3	10.1	195.4	9.7
7/9/2021	11:40:00 PM		202.5	9.6	200.7	9.2
7/9/2021	11:45:00 PM		196.5	8.9	195.7	8.7
7/9/2021	11:50:00 PM		206.1	9.9	205.1	9.5
7/9/2021	11:55:00 PM		198.3	10.6	197.7	10.1
Average			285	3.2	251.3	1.1
Max			355.8	17	355.8	16.4
Max Hour			10469.39127	6.684029714	10086.63731	5.864924022
Min			0.5	0	2.9	0
Count		0	288	288	288	288
Total		0	59222.2	949.4	58645.5	862.6

Site: Dysart						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	12:00:00 AM	3458.1	153.9	17.4	153.7	17
7/10/2021	12:05:00 AM	2468.8	154.1	15.3	154.3	15
7/10/2021	12:10:00 AM	2042.4	159.2	14.6	159.6	14.3
7/10/2021	12:15:00 AM	1924	170.6	10.9	170.3	10.7
7/10/2021	12:20:00 AM	1769.2	175.3	11.8	176.6	11.5
7/10/2021	12:25:00 AM	1421	184.2	12	184.1	11.8
7/10/2021	12:30:00 AM	988.4	187.1	10.8	187.3	10.6
7/10/2021	12:35:00 AM	658.1	202.4	8.1	202.3	7.9
7/10/2021	12:40:00 AM	457.6	211.9	8.5	211.9	8.4
7/10/2021	12:45:00 AM	397.3	215.4	8.5	215.3	8.4
7/10/2021	12:50:00 AM	432.3	222.6	7.2	222	7.1
7/10/2021	12:55:00 AM	459.9	212.7	8.3	213.2	8.2
7/10/2021	1:00:00 AM	389	218.9	7.8	218.6	7.6
7/10/2021	1:05:00 AM	263.2	221	7	221	6.7
7/10/2021	1:10:00 AM	160.5	211.8	5.6	210.9	5.4
7/10/2021	1:15:00 AM	101.3	199.3	4.7	199.2	4.6
7/10/2021	1:20:00 AM	73.4	199.8	5.5	199.5	5.2
7/10/2021	1:25:00 AM	65	203.5	5.8	203.3	5.6
7/10/2021	1:30:00 AM	49.7	205.4	4	206.3	3.9
7/10/2021	1:35:00 AM	41.7	207.5	4.2	207.3	4.1
7/10/2021	1:40:00 AM	41.8	207.6	3.2	206.7	3
7/10/2021	1:45:00 AM	33.8	210.5	4.2	209.1	4
7/10/2021	1:50:00 AM	23	213.2	3.2	208.8	2.9
7/10/2021	1:55:00 AM	21.4	252.2	1.8	250.8	1.6
7/10/2021	2:00:00 AM	22.4	299.5	2.5	303.1	2.4
7/10/2021	2:05:00 AM	15.1	313.8	6.1	313.3	6
7/10/2021	2:10:00 AM	14.4	18.3	2.1	12.1	1.3
7/10/2021	2:15:00 AM	23	77.6	1.3	95.4	1
7/10/2021	2:20:00 AM	20.9	355.2	2.3	356.3	2.2
7/10/2021	2:25:00 AM	13.9	37.3	3.1	40.3	2.9
7/10/2021	2:30:00 AM	21.1	55.4	3.8	55.7	3.7
7/10/2021	2:35:00 AM	30.4	357	3.1	356.2	2.9
7/10/2021	2:40:00 AM	24	17.2	2.9	15.2	2.5
7/10/2021	2:45:00 AM	17.8	70.9	3.1	70.2	3
7/10/2021	2:50:00 AM	24.4	55.4	2.9	55.4	2.8
7/10/2021	2:55:00 AM	30	22.8	3.5	22.9	3.4
7/10/2021	3:00:00 AM	21.6	15.3	4.4	15	4.3
7/10/2021	3:05:00 AM	20.7	20.8	5.4	19.9	5.4
7/10/2021	3:10:00 AM	37.6	11.5	4.2	12.3	4
7/10/2021	3:15:00 AM	55.2	11.5	2.6	8.9	2.5
7/10/2021	3:20:00 AM	65.1	24.5	3.3	24.8	3.2
7/10/2021	3:25:00 AM	111.1	25.8	4.1	25.2	4
7/10/2021	3:30:00 AM	167.7	27.5	5.3	27.7	5.2
7/10/2021	3:35:00 AM	200.9	9.7	4.1	10.4	4
7/10/2021	3:40:00 AM	238.4	19.8	5.4	19.1	5.3
7/10/2021	3:45:00 AM	316.5	23	5.3	23	5.2
7/10/2021	3:50:00 AM	399.4	29.8	6	30.8	5.9
7/10/2021	3:55:00 AM	479.4	20.9	4.8	22.1	4.7
7/10/2021	4:00:00 AM	521.8	20.9	5.9	20.5	5.8
7/10/2021	4:05:00 AM	504.9	10.7	4.2	8.7	4
7/10/2021	4:10:00 AM	449.4	357.5	5.2	357.7	5.1
7/10/2021	4:15:00 AM	394.7	348.1	4.8	347.7	4.7
7/10/2021	4:20:00 AM	315.1	325.1	6.2	324.3	6
7/10/2021	4:25:00 AM	208.1	328.4	6.9	328.5	6.8

Site: Dysart						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m³)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	4:30:00 AM	128.6	324.7	7.5	324.8	7.4
7/10/2021	4:35:00 AM	93.7	316.7	5.8	316.6	5.7
7/10/2021	4:40:00 AM	81.4	312.5	6	312.5	5.9
7/10/2021	4:45:00 AM	72.2	302.7	6.5	302.8	6.5
7/10/2021	4:50:00 AM	71.2	296.6	5.9	296.6	5.9
7/10/2021	4:55:00 AM	71.4	285.8	5.1	285.6	5
7/10/2021	5:00:00 AM	60.1	281.4	6	281.3	6
7/10/2021	5:05:00 AM	52.4	280.2	5.7	280.2	5.6
7/10/2021	5:10:00 AM	52.3	272.7	3.7	272.6	3.6
7/10/2021	5:15:00 AM	56.6	260	3.2	261.9	3.2
7/10/2021	5:20:00 AM	51.5	259.7	2.7	259.8	2.6
7/10/2021	5:25:00 AM	47.1	239.5	1.8	241.8	1.7
7/10/2021	5:30:00 AM	56.4	214	2.9	214.4	2.9
7/10/2021	5:35:00 AM	52.1	204.4	3.5	204.2	3.4
7/10/2021	5:40:00 AM	46.8	202.9	3	203	2.9
7/10/2021	5:45:00 AM	50.4	188.6	3.7	187.1	3.7
7/10/2021	5:50:00 AM	82	185.1	4.7	185	4.7
7/10/2021	5:55:00 AM	117.7	184.6	5.6	184.8	5.6
7/10/2021	6:00:00 AM	149.7	171.8	5.5	172.8	5.3
7/10/2021	6:05:00 AM	167.6	170.9	4.6	171.4	4.5
7/10/2021	6:10:00 AM	154.9	179.4	5.2	179.7	5.2
7/10/2021	6:15:00 AM	145	162.5	4.4	162.5	4.3
7/10/2021	6:20:00 AM	140.6	169.6	5.1	170	5
7/10/2021	6:25:00 AM	129.2	172.3	3.6	172.3	3.5
7/10/2021	6:30:00 AM	118.7	182.4	3.8	183.3	3.8
7/10/2021	6:35:00 AM	117.6	178.8	4.2	181	4.1
7/10/2021	6:40:00 AM	125.2	183.8	5.4	183.6	5.4
7/10/2021	6:45:00 AM	121.3	185	5.9	185.4	5.9
7/10/2021	6:50:00 AM	123.3	182.9	6.8	182.8	6.7
7/10/2021	6:55:00 AM	120.6	175.3	6.8	175	6.7
7/10/2021	7:00:00 AM	110.2	164.9	6.7	165	6.5
7/10/2021	7:05:00 AM	101.3	175.5	5.4	175.5	5.2
7/10/2021	7:10:00 AM	83.7	178	4.1	178.3	3.9
7/10/2021	7:15:00 AM	68.2	185.2	4.4	185.8	4.2
7/10/2021	7:20:00 AM	66.1	197.6	5.4	198.2	5.3
7/10/2021	7:25:00 AM	64.5	179.8	5.3	179.8	5.2
7/10/2021	7:30:00 AM	61.1	181.7	4.9	182.1	4.8
7/10/2021	7:35:00 AM	56.8	182.6	6.1	182.9	6
7/10/2021	7:40:00 AM	55.7	189.1	6.7	188.9	6.7
7/10/2021	7:45:00 AM	55.2	185.5	6.7	186	6.5
7/10/2021	7:50:00 AM	62.2	183.5	6.1	184.5	6
7/10/2021	7:55:00 AM	59.2	181.7	7.3	181.6	7.2
7/10/2021	8:00:00 AM	50.6	189.4	7.4	189.4	7.2
7/10/2021	8:05:00 AM	38.8	185.7	7.7	185.7	7.6
7/10/2021	8:10:00 AM	39.4	185.1	6.5	184.8	6.4
7/10/2021	8:15:00 AM	35.8	181.6	9	181.4	8.9
7/10/2021	8:20:00 AM	43.2	183.3	8.1	183.3	8
7/10/2021	8:25:00 AM	52.9	178.4	8.2	178.2	8.1
7/10/2021	8:30:00 AM	50.7	183.3	8	183.4	7.9
7/10/2021	8:35:00 AM	55.9	189.4	5.8	189.5	5.7
7/10/2021	8:40:00 AM	55.9	190.9	7.6	191.1	7.5
7/10/2021	8:45:00 AM	49.7	188.4	7.5	189.2	7.3
7/10/2021	8:50:00 AM	47	189.9	6.6	189.2	6.5
7/10/2021	8:55:00 AM	44.5	191.7	8	191.2	7.9

Site: Dysart						
Date	Time	PM ₁₀ (µg/m ³)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	9:00:00 AM	35	184.7	8.8	185.3	8.7
7/10/2021	9:05:00 AM	34.5	188.9	10.2	188.9	10.1
7/10/2021	9:10:00 AM	39.9	192.1	8.9	192	8.8
7/10/2021	9:15:00 AM	34.9	188.4	9.7	188.4	9.6
7/10/2021	9:20:00 AM	35.2	198.2	8.9	198	8.7
7/10/2021	9:25:00 AM	42.4	192.2	8.7	191.5	8.4
7/10/2021	9:30:00 AM	48.2	195.3	7.8	194.8	7.6
7/10/2021	9:35:00 AM	41.2	186.9	9.5	187	9.4
7/10/2021	9:40:00 AM	36	189.5	8.9	188.3	8.6
7/10/2021	9:45:00 AM	33	214.2	7.7	214.3	7.5
7/10/2021	9:50:00 AM	35.5	214.3	8.6	213.6	8.4
7/10/2021	9:55:00 AM	39.4	197.4	7.2	198.5	6.9
7/10/2021	10:00:00 AM	32.8	199.5	7.7	199.8	7.5
7/10/2021	10:05:00 AM	50	198.3	6.5	197.3	6
7/10/2021	10:10:00 AM	49.6	198.1	7.8	196.2	7.4
7/10/2021	10:15:00 AM	46	178.7	7.4	183	6.9
7/10/2021	10:20:00 AM	53.8	194.1	6.4	196.3	6.1
7/10/2021	10:25:00 AM	47.4	191.2	8.2	190.9	7.7
7/10/2021	10:30:00 AM	54.2	187.4	7.5	187.1	6.9
7/10/2021	10:35:00 AM	42.4	198.9	7.8	201.4	7.5
7/10/2021	10:40:00 AM	41.9	188.6	8.1	189.2	7.7
7/10/2021	10:45:00 AM	49.2	194	8.7	193.4	8.5
7/10/2021	10:50:00 AM	47.2	183.6	8.9	184.4	8.6
7/10/2021	10:55:00 AM	52.8	182.8	9.2	182.3	9
7/10/2021	11:00:00 AM	53.6	191.4	8.1	190.5	7.9
7/10/2021	11:05:00 AM	58.6	217.5	5.5	216.9	4.9
7/10/2021	11:10:00 AM	63.2	220.9	6.9	222.6	6.6
7/10/2021	11:15:00 AM	62.9	184.9	8.2	182.5	7.9
7/10/2021	11:20:00 AM	77.2	186.6	6.3	187.6	6
7/10/2021	11:25:00 AM	97	201.7	7.8	204	7.5
7/10/2021	11:30:00 AM	87.3	194.8	6.1	198.9	5.8
7/10/2021	11:35:00 AM	90.7	189.6	9.5	189.7	9.2
7/10/2021	11:40:00 AM	83.7	196.5	8.3	194.9	8
7/10/2021	11:45:00 AM	84.8	188.1	6.9	187.5	6.5
7/10/2021	11:50:00 AM	90.1	171.9	5.5	172.3	4.9
7/10/2021	11:55:00 AM	83.3	188.1	6.6	187.7	6.4
7/10/2021	12:00:00 PM	91.2	192.9	7	192.2	6.7
7/10/2021	12:05:00 PM	95.2	202	5.3	202.2	5
7/10/2021	12:10:00 PM	78.2	231.2	4.6	231.3	4.4
7/10/2021	12:15:00 PM	72.9	216.8	5.8	212.7	4.9
7/10/2021	12:20:00 PM	63.2	199.7	6.7	203.1	6.3
7/10/2021	12:25:00 PM	49.4	189.4	7.4	190.3	6.8
7/10/2021	12:30:00 PM	45.9	166.1	5.7	166.4	3.9
7/10/2021	12:35:00 PM	44.6	196.9	7.7	192.1	6.8
7/10/2021	12:40:00 PM	39.7	178.7	8.8	176.8	8.6
7/10/2021	12:45:00 PM	43	145.7	6.6	142.7	5.7
7/10/2021	12:50:00 PM	39.3	199.9	6.7	200.8	6.3
7/10/2021	12:55:00 PM	30.3	182.5	8	182.5	7.7
7/10/2021	1:00:00 PM	38.1	156.5	5.9	159	5.7
7/10/2021	1:05:00 PM	32.3	185.5	10.4	184.1	10
7/10/2021	1:10:00 PM	32.2	212.1	8.7	210.2	8.3
7/10/2021	1:15:00 PM	38.1	206	6.9	205.7	6.6
7/10/2021	1:20:00 PM	32.4	195.9	7.2	197.4	6.8
7/10/2021	1:25:00 PM	33.3	196.6	9.5	196.3	9.2

Site: Dysart						
Date	Time	PM ₁₀ (µg/m ³)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	1:30:00 PM	42.2	191.8	8.6	186.1	8.1
7/10/2021	1:35:00 PM	38.6	174	9.7	174.5	9.3
7/10/2021	1:40:00 PM	42.6	188.2	12.3	187	11.8
7/10/2021	1:45:00 PM	50	175.4	10.4	175.7	10.2
7/10/2021	1:50:00 PM	45.6	188.8	8.8	189.4	8.6
7/10/2021	1:55:00 PM	50	177.9	13	178	12.7
7/10/2021	2:00:00 PM	48.3	177.7	12.9	181.1	12.2
7/10/2021	2:05:00 PM	65	206.4	10	208	9.6
7/10/2021	2:10:00 PM	105.6	203.4	12.3	204.6	12
7/10/2021	2:15:00 PM	69.9	206.8	9.1	203.1	8
7/10/2021	2:20:00 PM	41	230.4	10.1	227	9.5
7/10/2021	2:25:00 PM	30.2	240.3	9.1	239.8	8.5
7/10/2021	2:30:00 PM	19.9	227.5	7.5	228.3	7.1
7/10/2021	2:35:00 PM	21.4	231.9	8.3	229.7	7.7
7/10/2021	2:40:00 PM	26.6	212	7.4	209.8	7.1
7/10/2021	2:45:00 PM	21.1	240.2	8.2	239.5	7.8
7/10/2021	2:50:00 PM	18.7	224	4.4	225.8	4.1
7/10/2021	2:55:00 PM	20.4	224.5	8.8	224.7	8.5
7/10/2021	3:00:00 PM	14.9	240.5	6.5	245.7	5.5
7/10/2021	3:05:00 PM	26.8	233.6	7.5	231.4	7.1
7/10/2021	3:10:00 PM	26.4	260.8	7.3	262.9	6.4
7/10/2021	3:15:00 PM	18.3	195.3	5.6	205.3	5.2
7/10/2021	3:20:00 PM	21.3	207.9	6.4	207.7	5.8
7/10/2021	3:25:00 PM	23	239.7	7.9	242.3	7.1
7/10/2021	3:30:00 PM	18.2	243.5	8.3	245.8	7.6
7/10/2021	3:35:00 PM	27.7	259.6	7.3	260.6	6.7
7/10/2021	3:40:00 PM	22.6	279.5	8.7	280.8	8.2
7/10/2021	3:45:00 PM	23.8	257.6	8.4	258.3	7.9
7/10/2021	3:50:00 PM	35.3	233.7	6.8	230.9	6.4
7/10/2021	3:55:00 PM	25.5	241.1	5.3	239.9	4.9
7/10/2021	4:00:00 PM	26.7	256.8	5.8	251.7	5.3
7/10/2021	4:05:00 PM	28.5	256.9	7.4	256.5	6.4
7/10/2021	4:10:00 PM	24.1	241	6.4	240.6	5.9
7/10/2021	4:15:00 PM	24.7	225.3	7.9	224.8	7.3
7/10/2021	4:20:00 PM	24.5	227.9	7	227.8	6.6
7/10/2021	4:25:00 PM	22.4	274	9.7	274.5	9.3
7/10/2021	4:30:00 PM	28.1	284.5	8.3	283.1	8.1
7/10/2021	4:35:00 PM	24.5	259.4	5.5	257.4	4.6
7/10/2021	4:40:00 PM	20.4	261	3.7	259.1	3.4
7/10/2021	4:45:00 PM	25.2	262.4	4.5	266.9	4.2
7/10/2021	4:50:00 PM	21.1	255.7	7.3	258	6.9
7/10/2021	4:55:00 PM	15.7	277.5	7.1	278.2	6.9
7/10/2021	5:00:00 PM	25.3	253	7.4	254.1	7.1
7/10/2021	5:05:00 PM	19.9	272.4	7	273	6.8
7/10/2021	5:10:00 PM	20.5	263.1	6.9	262.9	6.6
7/10/2021	5:15:00 PM	28.4	230.3	5.8	231.3	5.1
7/10/2021	5:20:00 PM	19.6	221.2	9.2	220.2	8.6
7/10/2021	5:25:00 PM	19	225.5	6.7	222.1	6.2
7/10/2021	5:30:00 PM	23.7	224.8	5.9	223	5.6
7/10/2021	5:35:00 PM	15.4	213.6	9.1	213.5	8.9
7/10/2021	5:40:00 PM	17.3	217.7	8.1	217.7	7.9
7/10/2021	5:45:00 PM	23.2	228	8.8	226.2	8.4
7/10/2021	5:50:00 PM	17	222.5	11.2	222.3	11
7/10/2021	5:55:00 PM	25.9	220.8	9.6	220.4	9.3

Site: Dysart						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	6:00:00 PM	26	214	10.8	213.8	10.5
7/10/2021	6:05:00 PM	22.3	228.1	8.3	227.4	7.6
7/10/2021	6:10:00 PM	34.8	222.1	7.5	222.7	6.9
7/10/2021	6:15:00 PM	26.1	215.5	7.1	215.8	6.9
7/10/2021	6:20:00 PM	26.7	213.9	8.8	214.7	8.5
7/10/2021	6:25:00 PM	34.7	215.9	8.6	215.8	8.4
7/10/2021	6:30:00 PM	28	223.6	7.9	222.5	7.5
7/10/2021	6:35:00 PM	30.5	217.1	8.6	217.1	8.4
7/10/2021	6:40:00 PM	30	216	9.2	216.5	9
7/10/2021	6:45:00 PM	22.9	218	8.2	217.6	8
7/10/2021	6:50:00 PM	33.2	221.6	8.2	222	8
7/10/2021	6:55:00 PM	32.5	220.7	7.8	220.3	7.6
7/10/2021	7:00:00 PM	30.2	224.5	6.8	225	6.6
7/10/2021	7:05:00 PM	36.7	201.7	5.4	203.7	5.1
7/10/2021	7:10:00 PM	32.1	195.9	5.9	197.5	5.7
7/10/2021	7:15:00 PM	32.6	197.6	5.9	197.4	5.7
7/10/2021	7:20:00 PM	38	215.1	4.8	213.6	4.6
7/10/2021	7:25:00 PM	29.4	165.3	3.5	169.9	2.8
7/10/2021	7:30:00 PM	42	111	4.3	111.6	4.2
7/10/2021	7:35:00 PM	53.8	109.2	5.8	109.6	5.7
7/10/2021	7:40:00 PM	48.2	100.5	6.5	100.4	6.3
7/10/2021	7:45:00 PM	57.7	91.6	7.4	91	7.2
7/10/2021	7:50:00 PM	78.7	81.1	14.8	80.1	14.3
7/10/2021	7:55:00 PM	229	88.8	10.4	89.5	9.8
7/10/2021	8:00:00 PM	335.4	61.8	18.1	61.3	17.6
7/10/2021	8:05:00 PM	395.4	68.7	11.4	68.4	11
7/10/2021	8:10:00 PM	310.7	78.1	13.1	79	12.7
7/10/2021	8:15:00 PM	241.7	83.4	9.8	82.1	9.3
7/10/2021	8:20:00 PM	195.8	98.1	10.6	98.8	10.2
7/10/2021	8:25:00 PM	204.8	98.4	10.4	99.3	10.1
7/10/2021	8:30:00 PM	179.5	120.2	9.1	119.7	8.8
7/10/2021	8:35:00 PM	119.5	129.4	8.3	129.5	8.1
7/10/2021	8:40:00 PM	90.7	135.3	8.2	135	8
7/10/2021	8:45:00 PM	75.6	132.5	8	132.2	7.8
7/10/2021	8:50:00 PM	61.6	139.5	7.2	139.5	7
7/10/2021	8:55:00 PM	48.3	154.3	7	154.8	6.9
7/10/2021	9:00:00 PM	56.7	165.9	6.8	166.5	6.6
7/10/2021	9:05:00 PM	55.1	166.1	6.4	166.2	6.3
7/10/2021	9:10:00 PM	52.6	140.5	13.3	139.2	12.9
7/10/2021	9:15:00 PM	209.6	153.5	12.2	151.2	11.8
7/10/2021	9:20:00 PM	449.1	159.9	12.1	160.7	11.9
7/10/2021	9:25:00 PM	454.6	162.4	17.9	163.4	17.2
7/10/2021	9:30:00 PM	1156.3	166.9	14	166.2	13.6
7/10/2021	9:35:00 PM	1409.6	165.5	17.7	165.6	17.3
7/10/2021	9:40:00 PM	1572.3	172.5	14.5	172.2	14.2
7/10/2021	9:45:00 PM	1437	174.6	13.4	174.5	13.2
7/10/2021	9:50:00 PM	1102.6	174.1	12.8	174.2	12.6
7/10/2021	9:55:00 PM	757.5	170.6	11.6	171.3	11.3
7/10/2021	10:00:00 PM	481.3	166.8	12.5	166.9	12.2
7/10/2021	10:05:00 PM	280.2	172.2	13.2	172	13
7/10/2021	10:10:00 PM	160.4	169.4	9.5	171.4	9.2
7/10/2021	10:15:00 PM	113.7	167.1	7.7	166.7	7.4
7/10/2021	10:20:00 PM	79.8	226.3	6	225.9	5.5
7/10/2021	10:25:00 PM	57.7	204.6	4.7	204.7	4.2

Site: Dysart						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	10:30:00 PM	48.6	249.4	5.7	249.8	5.4
7/10/2021	10:35:00 PM	56.7	249	4.6	249.3	4.4
7/10/2021	10:40:00 PM	55.6	230.7	3.8	229.1	3.6
7/10/2021	10:45:00 PM	124.4	221.5	7.5	221.1	7.3
7/10/2021	10:50:00 PM	317	220.8	9.8	220	9.5
7/10/2021	10:55:00 PM	347.4	186.2	10.1	186.1	9.8
7/10/2021	11:00:00 PM	268.1	160.4	7.9	166	7.4
7/10/2021	11:05:00 PM	246.3	145.6	3.7	144.8	3.4
7/10/2021	11:10:00 PM	298.5	202.9	5.2	202.2	5.1
7/10/2021	11:15:00 PM	381.3	206	4.1	206	4
7/10/2021	11:20:00 PM	405.6	252.3	3.4	248.9	3.2
7/10/2021	11:25:00 PM	384.3	282	4.2	281.9	4.1
7/10/2021	11:30:00 PM	320.4	266.1	3.7	262.5	3.4
7/10/2021	11:35:00 PM	301.2	244.1	4.2	243.8	4
7/10/2021	11:40:00 PM	314	255.7	4	255.7	3.8
7/10/2021	11:45:00 PM	306.6	241.5	3.8	243.1	3.6
7/10/2021	11:50:00 PM	274.7	255.8	4.8	255.7	4.5
7/10/2021	11:55:00 PM	227.9	261.3	5.6	262.1	5.5
Average		170.4	202	7.1	195.9	4.5
Max		3458.1	357.5	18.1	357.7	17.6
Max Hour		139482.5915	4386.151916	8.466146801	4382.680834	8.196004525
Min		13.9	9.7	1.3	8.7	1
Count		288	288	288	288	288
Total		49088.1	55092	2072.3	55108.4	1991.9
Date Printed:		9/30/2024 11:02				

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	12:00:00 AM	5538	161.2	16.5	161.1	16.2
7/10/2021	12:05:00 AM	4887.1	156.2	13.4	156.5	13
7/10/2021	12:10:00 AM	4195.7	157.3	13	157	12.7
7/10/2021	12:15:00 AM	3460.7	158.1	13.1	158.5	12.9
7/10/2021	12:20:00 AM	2778.4	169	11.5	168.5	11.2
7/10/2021	12:25:00 AM	2204.8	174.3	11.5	174.3	11.3
7/10/2021	12:30:00 AM	1774.7	184.6	11.7	184.7	11.6
7/10/2021	12:35:00 AM	1439.4	191.8	11.6	191.8	11.4
7/10/2021	12:40:00 AM	1159.5	194.6	10.1	194.6	10
7/10/2021	12:45:00 AM	938.7	190.3	9.2	190.6	9.1
7/10/2021	12:50:00 AM	780.1	193.7	7.9	193.6	7.8
7/10/2021	12:55:00 AM	621.2	203.5	5.3	203.2	5.2
7/10/2021	1:00:00 AM	480.2	220.8	5.7	220.4	5.7
7/10/2021	1:05:00 AM	423.2	225.8	5.7	225.8	5.6
7/10/2021	1:10:00 AM	397.3	223.5	4.3	225.3	4.1
7/10/2021	1:15:00 AM	375.3	207	4.8	208.8	4.6
7/10/2021	1:20:00 AM	368.5	198.9	4.4	198.9	4.3
7/10/2021	1:25:00 AM	326.1	214.6	3	219.1	3
7/10/2021	1:30:00 AM	266.1	224.5	4	226.2	3.9
7/10/2021	1:35:00 AM	221.2	234.6	2.2	233.4	2.2
7/10/2021	1:40:00 AM	191.3	260.1	1.1	269.4	0.8
7/10/2021	1:45:00 AM	149.7	318.1	2.4	319.4	2.2
7/10/2021	1:50:00 AM	122.7	312.7	2.8	316.1	2.7
7/10/2021	1:55:00 AM	117.3	317.4	3.5	317.3	3.4
7/10/2021	2:00:00 AM	93	321.3	5.4	320.9	5.3
7/10/2021	2:05:00 AM	84.1	319.6	6.4	318.4	6.2
7/10/2021	2:10:00 AM	95.9	43.1	3.6	37.7	3
7/10/2021	2:15:00 AM	77.6	33.7	2.8	37.3	2.5
7/10/2021	2:20:00 AM	64	342.5	3.1	343.5	3
7/10/2021	2:25:00 AM	72.6	1.8	3.4	2.3	3.3
7/10/2021	2:30:00 AM	63.7	3.4	3.7	4.8	3.6
7/10/2021	2:35:00 AM	55.8	348.2	4.1	348.5	4.1
7/10/2021	2:40:00 AM	83.5	3.1	3.5	2.5	3.4
7/10/2021	2:45:00 AM	124	27.6	4	25.8	3.9
7/10/2021	2:50:00 AM	154.4	12.9	6.1	13	6
7/10/2021	2:55:00 AM	241.3	22.2	5.8	22.8	5.7
7/10/2021	3:00:00 AM	312	30.4	4.9	28.5	4.8
7/10/2021	3:05:00 AM	373.9	19.4	4.7	18.3	4.5
7/10/2021	3:10:00 AM	447	7.1	5.6	7.3	5.5
7/10/2021	3:15:00 AM	464.4	12.4	7.7	12.2	7.6
7/10/2021	3:20:00 AM	464.3	10.6	6.7	10.4	6.6
7/10/2021	3:25:00 AM	522.5	8.7	6.9	8.4	6.7
7/10/2021	3:30:00 AM	593.6	10.6	7.7	10.3	7.6
7/10/2021	3:35:00 AM	653.4	16.8	7.6	16.8	7.5
7/10/2021	3:40:00 AM	715.3	9.7	7.7	9.5	7.5
7/10/2021	3:45:00 AM	771.4	8.3	7.7	8.7	7.5
7/10/2021	3:50:00 AM	783.2	355.3	5.6	355.4	5.3
7/10/2021	3:55:00 AM	754.4	348.1	5.9	348	5.8
7/10/2021	4:00:00 AM	729.9	341	6.2	340.8	6.2
7/10/2021	4:05:00 AM	706.8	343.6	6.9	343.6	6.9
7/10/2021	4:10:00 AM	669.7	343.4	6.5	343.5	6.4
7/10/2021	4:15:00 AM	633.5	333.2	6.4	333.5	6.4
7/10/2021	4:20:00 AM	623.9	333.3	5	333.2	5
7/10/2021	4:25:00 AM	599.9	331.6	3.1	332.5	3.1

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	4:30:00 AM	563.7	325.2	2	325.1	2
7/10/2021	4:35:00 AM	542.9	326.5	1.7	328.3	1.6
7/10/2021	4:40:00 AM	507.5	273.4	1.3	271.5	1.2
7/10/2021	4:45:00 AM	483.1	246.4	2.1	246.5	2.1
7/10/2021	4:50:00 AM	450.9	251.1	3.5	251.2	3.5
7/10/2021	4:55:00 AM	395.2	244.3	3.7	244.2	3.7
7/10/2021	5:00:00 AM	329.6	243.1	3.8	243.2	3.8
7/10/2021	5:05:00 AM	263.4	257.2	3.5	257	3.5
7/10/2021	5:10:00 AM	214.2	258.1	2.7	258.4	2.7
7/10/2021	5:15:00 AM	172.3	244.8	2	245.1	2
7/10/2021	5:20:00 AM	143.7	213.8	1.9	214.9	1.9
7/10/2021	5:25:00 AM	123.3	187.1	2.1	187.2	2.1
7/10/2021	5:30:00 AM	108.9	185.9	2.2	186.3	2.1
7/10/2021	5:35:00 AM	97.2	175.1	2.2	175.4	2.2
7/10/2021	5:40:00 AM	92.5	181	3.6	181.5	3.6
7/10/2021	5:45:00 AM	84.6	183.3	5.2	183.2	5.2
7/10/2021	5:50:00 AM	78.3	184.8	5.4	184.8	5.4
7/10/2021	5:55:00 AM	71.1	186.3	5.2	186.4	5.1
7/10/2021	6:00:00 AM	65.5	193.4	3.8	192.8	3.7
7/10/2021	6:05:00 AM	60.4	200.4	3.4	200.4	3.4
7/10/2021	6:10:00 AM	55.7	184.9	5.1	184.2	5
7/10/2021	6:15:00 AM	59.7	162	5.5	162.3	5.4
7/10/2021	6:20:00 AM	83.6	160.9	4.3	160.6	4.2
7/10/2021	6:25:00 AM	110.2	157.4	5.7	157.7	5.6
7/10/2021	6:30:00 AM	128.4	150.2	4	154.1	3.8
7/10/2021	6:35:00 AM	139.6	138.9	3.6	139.4	3.6
7/10/2021	6:40:00 AM	138.6	144.8	2.6	144.3	2.5
7/10/2021	6:45:00 AM	136.8	126.7	2.9	126.5	2.9
7/10/2021	6:50:00 AM	136.4	130	4.5	129.9	4.4
7/10/2021	6:55:00 AM	125.6	141.4	4.2	141.7	4.1
7/10/2021	7:00:00 AM	124.1	153.5	6.2	153.6	6.2
7/10/2021	7:05:00 AM	116.4	153.1	6	153.6	5.9
7/10/2021	7:10:00 AM	102.1	134.9	5.1	134.8	5
7/10/2021	7:15:00 AM	104.4	153.6	4.2	154.3	4
7/10/2021	7:20:00 AM	105.4	154.7	3.8	155.3	3.7
7/10/2021	7:25:00 AM	97.8	141.5	3	141.5	2.9
7/10/2021	7:30:00 AM	98.7	165.4	3.1	164.9	3
7/10/2021	7:35:00 AM	99.7	148.3	3.2	148.1	3.1
7/10/2021	7:40:00 AM	92.1	168.7	3.9	168.9	3.8
7/10/2021	7:45:00 AM	76.8	169.2	4.9	172.1	4.7
7/10/2021	7:50:00 AM	72.7	195.2	9.3	194.8	9.2
7/10/2021	7:55:00 AM	84	187.5	9.1	188	9
7/10/2021	8:00:00 AM	86.6	196.9	10.8	196.9	10.7
7/10/2021	8:05:00 AM	79.4	195.8	11.1	195.4	11
7/10/2021	8:10:00 AM	66.6	201.3	10.7	201.4	10.7
7/10/2021	8:15:00 AM	55.8	199.4	10.9	199.5	10.8
7/10/2021	8:20:00 AM	47.7	197	10.1	197.9	9.9
7/10/2021	8:25:00 AM	44.5	191.4	9.2	191.8	9.1
7/10/2021	8:30:00 AM	44.4	192.5	8.6	193.7	8.4
7/10/2021	8:35:00 AM	44.8	176.4	7.2	176.7	6.9
7/10/2021	8:40:00 AM	47.1	163.4	7.1	163.4	6.9
7/10/2021	8:45:00 AM	53.7	178	6.8	178.3	6.6
7/10/2021	8:50:00 AM	61.5	172.4	8.3	173	8.2
7/10/2021	8:55:00 AM	67.1	200.1	9.9	199.9	9.7

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	9:00:00 AM	65.3	203.5	10	202.9	9.9
7/10/2021	9:05:00 AM	61.6	179.9	8.1	179.9	7.9
7/10/2021	9:10:00 AM	56.6	184.1	9.5	184	9.2
7/10/2021	9:15:00 AM	51.1	212.3	9.9	212.4	9.7
7/10/2021	9:20:00 AM	46.1	203.6	10.7	202.7	10.5
7/10/2021	9:25:00 AM	41.6	209.6	8.8	209.9	8.6
7/10/2021	9:30:00 AM	40.7	177.1	10	177.2	9.7
7/10/2021	9:35:00 AM	41.2	191.2	8	191	7.9
7/10/2021	9:40:00 AM	40.8	207.2	10.3	207.4	10.2
7/10/2021	9:45:00 AM	38.9	191.3	9	191.7	8.9
7/10/2021	9:50:00 AM	38.7	182.4	8.3	182.7	8
7/10/2021	9:55:00 AM	35.8	206.3	8.1	206.3	8
7/10/2021	10:00:00 AM	34.2	197.1	8.6	196.4	8.2
7/10/2021	10:05:00 AM	35.5	178.2	7.4	177.7	7.2
7/10/2021	10:10:00 AM	35.9	210	5.2	209.5	4.6
7/10/2021	10:15:00 AM	38.8	204.1	7.6	203.4	7.2
7/10/2021	10:20:00 AM	43.2	215.3	6.9	216	6.5
7/10/2021	10:25:00 AM	44.4	206.2	7	204.1	6.2
7/10/2021	10:30:00 AM	46.1	205	5.8	202.8	5.3
7/10/2021	10:35:00 AM	45.7	245.9	5.9	244.2	5.5
7/10/2021	10:40:00 AM	48.9	218.3	6.3	215.9	6
7/10/2021	10:45:00 AM	55.3	221	6.3	222.1	6.1
7/10/2021	10:50:00 AM	62.7	241.6	5.2	237.9	4.8
7/10/2021	10:55:00 AM	69.4	203.5	5.9	201	5.6
7/10/2021	11:00:00 AM	74.5	174.5	6.9	171.9	6.5
7/10/2021	11:05:00 AM	77.4	162.4	5.8	162.1	5.6
7/10/2021	11:10:00 AM	78.5	158.4	5.8	158.4	5.6
7/10/2021	11:15:00 AM	79.5	199.9	6.4	199.2	6
7/10/2021	11:20:00 AM	82.4	168.5	7.4	165.6	7
7/10/2021	11:25:00 AM	90.2	186.4	7.3	190.4	7
7/10/2021	11:30:00 AM	94.8	203.5	5.6	201.7	5.4
7/10/2021	11:35:00 AM	95	190.9	6.9	186.7	6.3
7/10/2021	11:40:00 AM	99.3	160.1	5	162.7	4.6
7/10/2021	11:45:00 AM	101.9	184.9	3.5	192.6	2.9
7/10/2021	11:50:00 AM	102.2	167	7.1	181.2	5.5
7/10/2021	11:55:00 AM	101.8	226	7	225.7	6.6
7/10/2021	12:00:00 PM	101.5	167.1	5.3	160.8	4.6
7/10/2021	12:05:00 PM	103.4	200.6	6.2	211	5.1
7/10/2021	12:10:00 PM	96.6	198.7	4.2	203.9	3.1
7/10/2021	12:15:00 PM	89	166.3	6.7	166.8	6.5
7/10/2021	12:20:00 PM	88	173.2	5.6	169.6	4.8
7/10/2021	12:25:00 PM	92	191.3	6.6	192	6.3
7/10/2021	12:30:00 PM	94.1	200.9	5.4	202.2	5.2
7/10/2021	12:35:00 PM	92.1	170.7	3.1	190.3	2.6
7/10/2021	12:40:00 PM	80.4	242.3	1.7	282.5	0.5
7/10/2021	12:45:00 PM	78.2	207.9	5.6	218.3	4.9
7/10/2021	12:50:00 PM	75.1	228.3	10.8	228.8	10.6
7/10/2021	12:55:00 PM	70.2	239.2	7.7	242.5	7.5
7/10/2021	1:00:00 PM	66.7	222.5	5.2	216.5	4.8
7/10/2021	1:05:00 PM	65.7	206.1	8.6	205.9	8.2
7/10/2021	1:10:00 PM	61.9	198.9	6.8	195.4	6.1
7/10/2021	1:15:00 PM	57.1	212.1	6.6	208	5.6
7/10/2021	1:20:00 PM	52.9	175.5	7.3	174.9	7
7/10/2021	1:25:00 PM	48.2	212.4	6.7	206.9	6.2

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m³)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	1:30:00 PM	45.9	178.9	6	179.1	5.8
7/10/2021	1:35:00 PM	41.5	177.6	9.9	178.9	9.4
7/10/2021	1:40:00 PM	40.1	213	9.7	213.1	9.5
7/10/2021	1:45:00 PM	38.1	184.4	9.8	184.1	9.3
7/10/2021	1:50:00 PM	38	190.2	12.2	190.3	11.8
7/10/2021	1:55:00 PM	37.3	191	10.1	190.2	9.5
7/10/2021	2:00:00 PM	37.1	194.5	12.7	194.2	11.7
7/10/2021	2:05:00 PM	37.6	193.7	11.1	194.4	11
7/10/2021	2:10:00 PM	37.9	197.4	12	201.3	11.4
7/10/2021	2:15:00 PM	37	203.1	11.6	196.3	10.7
7/10/2021	2:20:00 PM	33.6	259.5	6.1	261	5.5
7/10/2021	2:25:00 PM	28.4	267.6	11.8	267.7	11.5
7/10/2021	2:30:00 PM	27.3	257	12.4	256.8	12.1
7/10/2021	2:35:00 PM	28.3	269.7	9.3	268.8	8.9
7/10/2021	2:40:00 PM	28.4	249.6	10.7	253.6	9.6
7/10/2021	2:45:00 PM	26.6	260.1	9.6	260.9	9.3
7/10/2021	2:50:00 PM	25.6	277.5	8.5	279.2	8.3
7/10/2021	2:55:00 PM	25.8	241.2	11	242.1	10.4
7/10/2021	3:00:00 PM	27.4	267.4	10.8	265.4	10
7/10/2021	3:05:00 PM	28.5	260.4	10.2	260.1	10
7/10/2021	3:10:00 PM	29	255	12.7	255.6	12.4
7/10/2021	3:15:00 PM	29	239.1	11.8	237.6	10.9
7/10/2021	3:20:00 PM	30.3	220.1	9.7	220.1	9.4
7/10/2021	3:25:00 PM	31.1	204.7	12.5	203.6	12.2
7/10/2021	3:30:00 PM	31.9	209.3	10.5	206.8	10.2
7/10/2021	3:35:00 PM	30.6	211.1	6.4	211.8	6
7/10/2021	3:40:00 PM	26	259.5	11.5	259.5	11.2
7/10/2021	3:45:00 PM	20.2	265	9.3	265.8	9.1
7/10/2021	3:50:00 PM	19.1	256.3	8.1	255.3	7.9
7/10/2021	3:55:00 PM	21.6	239.1	10.6	237.8	10.4
7/10/2021	4:00:00 PM	23.7	250.2	8	251.4	7.3
7/10/2021	4:05:00 PM	24.1	272.1	9.6	272	8.9
7/10/2021	4:10:00 PM	25.1	233.8	10.2	233.9	9.9
7/10/2021	4:15:00 PM	26	236.1	12.1	237.3	11.5
7/10/2021	4:20:00 PM	27.3	239.3	11.8	240	11.1
7/10/2021	4:25:00 PM	25.3	265.9	9.2	265.7	9.1
7/10/2021	4:30:00 PM	23.1	258.4	10.3	257.4	9.5
7/10/2021	4:35:00 PM	22.3	260.1	8.1	260.5	7.8
7/10/2021	4:40:00 PM	21.5	264.9	7.7	267	7.3
7/10/2021	4:45:00 PM	21.5	238.8	10.4	238	10.2
7/10/2021	4:50:00 PM	21.9	235	10.3	235.5	10.1
7/10/2021	4:55:00 PM	20.8	243.4	10.8	242.5	10.6
7/10/2021	5:00:00 PM	19.3	231.9	9.9	231.7	9.7
7/10/2021	5:05:00 PM	18.8	230	9.5	231.7	9.2
7/10/2021	5:10:00 PM	19.1	232.6	10.4	232.4	10.1
7/10/2021	5:15:00 PM	21.2	230.1	10.6	230.1	10.5
7/10/2021	5:20:00 PM	21.2	244.8	9.3	244.9	9.1
7/10/2021	5:25:00 PM	20.5	242.7	10.1	243	9.9
7/10/2021	5:30:00 PM	19.9	239.9	9	240.4	8.8
7/10/2021	5:35:00 PM	19.1	246.9	11	247.2	10.9
7/10/2021	5:40:00 PM	18.4	232.6	11	232.4	10.7
7/10/2021	5:45:00 PM	20.3	225	13	225.8	12.6
7/10/2021	5:50:00 PM	21.5	227.1	14.8	226.9	14.5
7/10/2021	5:55:00 PM	22.2	224.3	11.5	224.4	11.4

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	6:00:00 PM	23.2	220.8	12.6	221	12.4
7/10/2021	6:05:00 PM	24.2	214.5	12.6	214.1	12.3
7/10/2021	6:10:00 PM	25.2	213.1	12.8	213.2	12.7
7/10/2021	6:15:00 PM	26	215.6	12.5	215.9	12.4
7/10/2021	6:20:00 PM	25.9	212.9	12.1	212.7	11.9
7/10/2021	6:25:00 PM	27.9	214.8	11.5	215.2	11.4
7/10/2021	6:30:00 PM	29.2	209	10.4	208.6	10.3
7/10/2021	6:35:00 PM	28.8	216.5	9.9	216.5	9.8
7/10/2021	6:40:00 PM	28.6	210.5	10.5	210.3	10.4
7/10/2021	6:45:00 PM	28	219.6	10.5	220.1	10.3
7/10/2021	6:50:00 PM	27.4	208	10.5	208.4	10.5
7/10/2021	6:55:00 PM	27.4	208.8	9.1	209.1	9
7/10/2021	7:00:00 PM	29.4	200.2	8	201.2	7.9
7/10/2021	7:05:00 PM	32	194.4	6.9	195.1	6.7
7/10/2021	7:10:00 PM	33.8	166	5.2	167.8	4.9
7/10/2021	7:15:00 PM	35.7	148.5	5.9	147.9	5.6
7/10/2021	7:20:00 PM	36.2	123.2	7.8	123.1	7.7
7/10/2021	7:25:00 PM	36.7	115.4	6.9	116.2	6.7
7/10/2021	7:30:00 PM	36.5	107	7.8	107.1	7.7
7/10/2021	7:35:00 PM	34.8	81.5	7.8	80.7	7.7
7/10/2021	7:40:00 PM	36.9	65.5	16.8	65.3	16.1
7/10/2021	7:45:00 PM	68.5	70	17.9	68.9	17.4
7/10/2021	7:50:00 PM	216.5	66.6	19	66.3	18.7
7/10/2021	7:55:00 PM	408.3	81.7	14.8	81.3	14.4
7/10/2021	8:00:00 PM	477.4	73.7	17.8	73.3	17.4
7/10/2021	8:05:00 PM	456.3	79	15.2	79	14.9
7/10/2021	8:10:00 PM	388.9	78.6	12	79.1	11.8
7/10/2021	8:15:00 PM	315.9	86.1	8.4	86.7	8.2
7/10/2021	8:20:00 PM	256.1	86.7	14.9	86.7	14.6
7/10/2021	8:25:00 PM	210.2	92.1	15.4	92.4	15.2
7/10/2021	8:30:00 PM	177	101.8	12	101.3	11.8
7/10/2021	8:35:00 PM	143.3	113.1	12.6	112.8	12.5
7/10/2021	8:40:00 PM	110.6	116.5	11.5	116.4	11.3
7/10/2021	8:45:00 PM	84.3	121.8	9.3	121.7	9.1
7/10/2021	8:50:00 PM	58.4	129.6	9.2	129.5	9.1
7/10/2021	8:55:00 PM	33.5	138.8	8.1	138.3	7.9
7/10/2021	9:00:00 PM	22.1	149.2	7.5	149.8	7.4
7/10/2021	9:05:00 PM	25.5	119.9	11.4	119.8	11.2
7/10/2021	9:10:00 PM	44.5	127	18.6	127.1	18.1
7/10/2021	9:15:00 PM	95.7	139.2	18	139.3	17.7
7/10/2021	9:20:00 PM	163.3	137.6	16.7	137.8	16.5
7/10/2021	9:25:00 PM	219	149.1	14.9	149.3	14.4
7/10/2021	9:30:00 PM	270.4	167.6	18.5	168	18.1
7/10/2021	9:35:00 PM	324.8	169.8	13.4	171.5	13.1
7/10/2021	9:40:00 PM	375.1	179.9	18.4	180.5	18.2
7/10/2021	9:45:00 PM	432.7	191.6	18.3	191.5	18.1
7/10/2021	9:50:00 PM	564.6	177.1	17	178.2	16.4
7/10/2021	9:55:00 PM	705.8	164.5	12.8	165.7	12.4
7/10/2021	10:00:00 PM	771.7	148.8	11.1	149.8	10.7
7/10/2021	10:05:00 PM	761.5	171.5	8.1	172	8
7/10/2021	10:10:00 PM	695.9	183	8.6	183.2	8.5
7/10/2021	10:15:00 PM	604.2	193.4	6.4	193.9	6.3
7/10/2021	10:20:00 PM	500	202.4	6.4	201.5	6.1
7/10/2021	10:25:00 PM	395.9	246.6	5.8	246	5.6

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	10:30:00 PM	305.3	305.8	3.4	287.4	2.5
7/10/2021	10:35:00 PM	238	0.6	3.1	336.6	1.9
7/10/2021	10:40:00 PM	188.5	346.6	4.3	330.1	3.1
7/10/2021	10:45:00 PM	152.9	32.1	1.3	36.1	1.2
7/10/2021	10:50:00 PM	131	85.1	3.4	97.4	3.3
7/10/2021	10:55:00 PM	120.2	105.1	8.4	105	8.3
7/10/2021	11:00:00 PM	103.4	103.9	6.9	104.2	6.8
7/10/2021	11:05:00 PM	90.5	108.1	7.7	108.9	7.5
7/10/2021	11:10:00 PM	81.3	105.8	10.7	105.8	10.5
7/10/2021	11:15:00 PM	79.6	105	10.5	104.8	10.3
7/10/2021	11:20:00 PM	83.4	104.6	9.1	105.3	8.9
7/10/2021	11:25:00 PM	97.6	98.9	6.7	99.2	6.6
7/10/2021	11:30:00 PM	115.4	93.8	6.6	94.3	6.5
7/10/2021	11:35:00 PM	129.3	92.7	6.5	93.3	6.4
7/10/2021	11:40:00 PM	137.6	89.7	4.5	90.3	4.4
7/10/2021	11:45:00 PM	139.5	78	3.3	77.8	3.2
7/10/2021	11:50:00 PM	131.2	25.9	1.6	25.3	1
7/10/2021	11:55:00 PM	132.3	292.8	2.8	290.8	2.5
Average		248.6	196	7.9	191.9	4.1
Max		5538	355.3	19	355.4	18.7
Max Hour		359763.294	5624.38631	14.56961564	5576.286442	14.31871842
Min		18.4	0.6	1.1	2.3	0.5
Count		288	288	288	288	288
Total		71623.6	53468.8	2289.3	53892.6	2214.3

Site: Buckeye						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/12/2021	12:00:00 AM	15.4	218.8	2.4	220.2	2.2
7/12/2021	12:05:00 AM	13.9	219.1	2.5	214	2.2
7/12/2021	12:10:00 AM	14.7	201.1	1.6	195.7	1.4
7/12/2021	12:15:00 AM	13.5	179.3	1.3	183.7	1.2
7/12/2021	12:20:00 AM	12	176.9	1.3	180.3	1.2
7/12/2021	12:25:00 AM	13.7	207.6	0.9	219.8	0.6
7/12/2021	12:30:00 AM	40.3	302.7	1	301.3	1
7/12/2021	12:35:00 AM	27.7	341.4	0	343	0.8
7/12/2021	12:40:00 AM	25	309.2	0	317.9	0.7
7/12/2021	12:45:00 AM	19.1	299.6	0	303.1	0.7
7/12/2021	12:50:00 AM	17	284.5	1.2	284.5	1.2
7/12/2021	12:55:00 AM	31.1	301.7	2.2	301.8	2.1
7/12/2021	1:00:00 AM	27	305.7	1.9	307.4	1.9
7/12/2021	1:05:00 AM	20.4	263.1	2.2	261.3	2.1
7/12/2021	1:10:00 AM	12	252.7	2.3	252.3	2.3
7/12/2021	1:15:00 AM	16	252.4	2.6	251.1	2.6
7/12/2021	1:20:00 AM	14.3	242.4	3.9	242.4	3.9
7/12/2021	1:25:00 AM	10.5	220.5	2.6	223.3	2.4
7/12/2021	1:30:00 AM	14.8	241.6	3.2	240.7	3.1
7/12/2021	1:35:00 AM	19.3	283.7	2.2	278.1	2
7/12/2021	1:40:00 AM	30.5	352.9	2.5	358.8	2.4
7/12/2021	1:45:00 AM	49.2	12.1	4.4	12.3	4.3
7/12/2021	1:50:00 AM	37.5	5.5	3.3	7.5	3.2
7/12/2021	1:55:00 AM	35.2	352.3	3.1	351.1	3
7/12/2021	2:00:00 AM	26.1	338	3.8	338	3.8
7/12/2021	2:05:00 AM	19.9	328.6	2.6	328.8	2.6
7/12/2021	2:10:00 AM	14.6	328.5	3.2	328.5	3.2
7/12/2021	2:15:00 AM	21.3	328.3	3.9	328.2	3.9
7/12/2021	2:20:00 AM	32.2	323.5	3.5	323.6	3.4
7/12/2021	2:25:00 AM	38.4	323	3.5	322.8	3.5
7/12/2021	2:30:00 AM	44.2	314.5	3.6	314.4	3.6
7/12/2021	2:35:00 AM	35.2	305	2.2	306	2.2
7/12/2021	2:40:00 AM	32.9	246.1	0	271.1	0.3
7/12/2021	2:45:00 AM	23.3	247.7	1.4	249.2	1.3
7/12/2021	2:50:00 AM	22.8	272.9	1.4	272.9	1.4
7/12/2021	2:55:00 AM	29	247	0	234.9	0.5
7/12/2021	3:00:00 AM	23.3	210.3	1.2	210	1.2
7/12/2021	3:05:00 AM	19.3	210.2	1.5	208.7	1.5
7/12/2021	3:10:00 AM	16.5	205.8	1.9	206.2	1.8
7/12/2021	3:15:00 AM	20.7	267	1.8	265.4	1.6
7/12/2021	3:20:00 AM	31.8	298.7	1.5	299.8	1.4
7/12/2021	3:25:00 AM	37.7	309.5	2.6	308.9	2.5
7/12/2021	3:30:00 AM	40.3	291	2.9	291.2	2.8
7/12/2021	3:35:00 AM	28.1	275.2	3.7	274.8	3.6
7/12/2021	3:40:00 AM	20.3	272.9	3.7	273.1	3.7
7/12/2021	3:45:00 AM	20.3	251.3	2.6	251.1	2.5
7/12/2021	3:50:00 AM	16.5	221	4	222.9	3.8
7/12/2021	3:55:00 AM	24	197.1	4.3	197.4	4.2
7/12/2021	4:00:00 AM	38.6	187.5	4	187.3	3.9
7/12/2021	4:05:00 AM	45	212.1	2.5	212.9	2.4
7/12/2021	4:10:00 AM	33	252.9	1.4	249.3	1.3
7/12/2021	4:15:00 AM	28.8	285.9	2.3	282.8	2.2
7/12/2021	4:20:00 AM	31	293.2	1.7	294	1.7

Site: Buckeye						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/12/2021	4:25:00 AM	36.3	302	2.8	302.1	2.7
7/12/2021	4:30:00 AM	40.8	313.3	2.3	312.8	2.2
7/12/2021	4:35:00 AM	38.1	304.2	2.1	305	2
7/12/2021	4:40:00 AM	51.6	298.6	2	298.4	2
7/12/2021	4:45:00 AM	66.2	284.4	1.6	279.5	1.3
7/12/2021	4:50:00 AM	57.6	242.3	3	242.1	2.9
7/12/2021	4:55:00 AM	39.4	209.8	2.8	211.9	2.7
7/12/2021	5:00:00 AM	30	225.3	3	228.1	2.8
7/12/2021	5:05:00 AM	25.9	222.8	2.6	223.8	2.5
7/12/2021	5:10:00 AM	29.2	224.4	1.9	228.7	1.8
7/12/2021	5:15:00 AM	24.9	219.7	2.9	223.4	2.7
7/12/2021	5:20:00 AM	23.7	230	4.5	230.9	4.2
7/12/2021	5:25:00 AM	17.3	231.1	6.1	232.4	5.9
7/12/2021	5:30:00 AM	18.5	235.9	7.6	237	7.4
7/12/2021	5:35:00 AM	20.2	219.1	6.5	220.3	6.2
7/12/2021	5:40:00 AM	17.9	220.2	6.9	220.2	6.6
7/12/2021	5:45:00 AM	26	228.8	5.8	229.8	5.6
7/12/2021	5:50:00 AM	52	223.6	4.7	225.4	4.5
7/12/2021	5:55:00 AM	50.4	231.7	4.9	232	4.8
7/12/2021	6:00:00 AM	45	214.2	8.5	212.4	8.2
7/12/2021	6:05:00 AM	50	200.1	8	200.2	7.9
7/12/2021	6:10:00 AM	49.8	200.5	9	200.4	8.9
7/12/2021	6:15:00 AM	48.5	206.2	9.3	205.3	9.1
7/12/2021	6:20:00 AM	33.3	210.3	9	210.3	8.7
7/12/2021	6:25:00 AM	39.4	210.4	9.5	210.2	9.3
7/12/2021	6:30:00 AM	39.6	220.8	8.6	220.5	8.2
7/12/2021	6:35:00 AM	44.7	223.7	7.6	224.4	7.2
7/12/2021	6:40:00 AM	47.2	227.8	8.3	228.2	7.9
7/12/2021	6:45:00 AM	62.9	237.8	7.7	238.2	7.6
7/12/2021	6:50:00 AM	63.5	238.2	6.9	238.5	6.8
7/12/2021	6:55:00 AM	72.4	225.4	6.7	226.8	6.3
7/12/2021	7:00:00 AM	65.9	210	9.1	209.7	8.8
7/12/2021	7:05:00 AM	45.9	215.5	5.1	216.1	4.9
7/12/2021	7:10:00 AM	45.7	225.1	3.9	223.4	3.8
7/12/2021	7:15:00 AM	59.9	211.3	4.9	212.5	4.6
7/12/2021	7:20:00 AM	34.5	228.2	6.8	228.7	6.5
7/12/2021	7:25:00 AM	36	238	5.6	237.1	5.4
7/12/2021	7:30:00 AM	39.3	230.8	5.2	233.3	5
7/12/2021	7:35:00 AM	72.8	218.3	5	219.1	4.7
7/12/2021	7:40:00 AM	57.5	211.1	7.5	210.7	7.2
7/12/2021	7:45:00 AM	38.4	219	6.2	218.6	5.8
7/12/2021	7:50:00 AM	46.3	218	6.2	217.1	5.9
7/12/2021	7:55:00 AM	52.4	232.7	6.9	233.3	6.7
7/12/2021	8:00:00 AM	<	232.2	7.1	233.2	6.9
7/12/2021	8:05:00 AM	<	224.6	8.5	226.5	8.2
7/12/2021	8:10:00 AM	<	230.9	10.8	231.9	10.5
7/12/2021	8:15:00 AM	<	226.4	8.8	228.6	8.6
7/12/2021	8:20:00 AM	<	216.3	7.3	214.7	6.9
7/12/2021	8:25:00 AM	<	223.5	8.2	225.2	7.8
7/12/2021	8:30:00 AM	<	208	10.5	208.8	10
7/12/2021	8:35:00 AM	<	195.1	10.2	195.1	10
7/12/2021	8:40:00 AM	<	203	11.4	202.8	11.2
7/12/2021	8:45:00 AM	<	190.6	9.3	190.6	9.2

Site: Buckeye						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/12/2021	8:50:00 AM	<	191.3	8.6	191	8.5
7/12/2021	8:55:00 AM	<	196.8	8.3	195.4	7.9
7/12/2021	9:00:00 AM	<	228	6.7	229.1	6.5
7/12/2021	9:05:00 AM	112.6	232.6	6.1	232.4	5.9
7/12/2021	9:10:00 AM	101.3	230.1	6	231.8	5.8
7/12/2021	9:15:00 AM	81.5	243.4	5.9	242.9	5.7
7/12/2021	9:20:00 AM	80.4	242.7	5.8	244	5.6
7/12/2021	9:25:00 AM	78.1	244.2	7.5	244.3	7.3
7/12/2021	9:30:00 AM	80.9	245	6.1	242.2	5.8
7/12/2021	9:35:00 AM	84.2	276.3	6.7	275.7	6.3
7/12/2021	9:40:00 AM	83.6	261.5	6.4	260.1	6
7/12/2021	9:45:00 AM	82.3	244.3	5	247.2	4.9
7/12/2021	9:50:00 AM	82.6	224.5	3.8	223.3	3.6
7/12/2021	9:55:00 AM	74.2	200.4	4	202.3	3.7
7/12/2021	10:00:00 AM	69.6	235	3.8	230.1	3.6
7/12/2021	10:05:00 AM	74.6	207.1	4.6	206.5	4.5
7/12/2021	10:10:00 AM	70.4	204.7	3.7	213.2	2.5
7/12/2021	10:15:00 AM	71.8	239.9	7.1	239	6.9
7/12/2021	10:20:00 AM	90.6	247	7.6	247.6	7.2
7/12/2021	10:25:00 AM	109.9	257.3	7.7	256.9	7.5
7/12/2021	10:30:00 AM	122.7	250.8	6.5	250	6.3
7/12/2021	10:35:00 AM	131.5	254.8	9.3	253.7	9.1
7/12/2021	10:40:00 AM	151.6	258.9	7.3	256.2	7
7/12/2021	10:45:00 AM	162.7	257.3	6.3	254.3	5.9
7/12/2021	10:50:00 AM	165.7	272.6	5.8	275.3	5.5
7/12/2021	10:55:00 AM	169.7	237.7	6.4	238.7	6.2
7/12/2021	11:00:00 AM	179.4	240	6.4	242.3	6
7/12/2021	11:05:00 AM	200.6	261.7	6.2	257.1	5.5
7/12/2021	11:10:00 AM	209.3	228.7	3	223.6	2.6
7/12/2021	11:15:00 AM	207.2	294.1	2.8	309.9	2
7/12/2021	11:20:00 AM	211.1	246.6	4.5	248.8	3.9
7/12/2021	11:25:00 AM	212.8	258.3	6.1	257.8	5.8
7/12/2021	11:30:00 AM	234.3	249.8	3.8	247.4	3.2
7/12/2021	11:35:00 AM	244.5	227.2	6.8	229.4	6.5
7/12/2021	11:40:00 AM	269	214.3	5	217.3	4.6
7/12/2021	11:45:00 AM	265.9	183.8	4	200.3	3.3
7/12/2021	11:50:00 AM	279.8	219.1	5.7	222.3	5.4
7/12/2021	11:55:00 AM	277.1	300.2	3.2	293.3	2.9
7/12/2021	12:00:00 PM	269.9	278.8	5.1	278.1	4.8
7/12/2021	12:05:00 PM	288.4	251.3	3.5	250.5	3.2
7/12/2021	12:10:00 PM	321	221.2	4.9	220.7	4.5
7/12/2021	12:15:00 PM	331	278	4.1	282.7	3.4
7/12/2021	12:20:00 PM	336.1	210.4	6.8	209.9	6.6
7/12/2021	12:25:00 PM	335.9	219.3	6	219.4	5.6
7/12/2021	12:30:00 PM	319.6	200.7	5.3	196	5
7/12/2021	12:35:00 PM	323.3	242.5	6.7	243.6	6.4
7/12/2021	12:40:00 PM	316.2	220	2	242.4	1.4
7/12/2021	12:45:00 PM	300.1	264.8	5	268.6	4.6
7/12/2021	12:50:00 PM	311.8	306.7	5	311.5	4.7
7/12/2021	12:55:00 PM	327.9	266.8	7.3	262.8	6.2
7/12/2021	1:00:00 PM	339.6	268.6	2.6	260.5	2.3
7/12/2021	1:05:00 PM	340.2	272.5	5.8	272.1	5.5
7/12/2021	1:10:00 PM	364.3	260.4	5.8	259.5	5.3

Site: Buckeye						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/12/2021	1:15:00 PM	367.4	220.1	4.3	223.7	3.8
7/12/2021	1:20:00 PM	348.3	142.3	2.8	270.2	0.6
7/12/2021	1:25:00 PM	342.1	238.5	5.3	239.3	5.2
7/12/2021	1:30:00 PM	315.3	200.9	2.2	213.8	1.6
7/12/2021	1:35:00 PM	310.7	278.1	8.5	277.3	8.4
7/12/2021	1:40:00 PM	332.5	269.9	3.5	271.9	3.3
7/12/2021	1:45:00 PM	317.3	257	3.9	255.1	3.3
7/12/2021	1:50:00 PM	323.5	243.6	4.9	241.8	4.7
7/12/2021	1:55:00 PM	347.2	278.3	4.8	276.5	4.6
7/12/2021	2:00:00 PM	339.4	247.3	4.2	252.2	3.4
7/12/2021	2:05:00 PM	326.4	246	4.5	240.5	3.5
7/12/2021	2:10:00 PM	341.7	258	5.9	250.7	5.2
7/12/2021	2:15:00 PM	332	302.1	5.5	302.8	5.1
7/12/2021	2:20:00 PM	330.7	260.3	3.7	265.8	2.7
7/12/2021	2:25:00 PM	346.1	267.6	6	265.1	5.6
7/12/2021	2:30:00 PM	335.9	269.9	5.1	266.5	4.6
7/12/2021	2:35:00 PM	311.6	265.4	4.6	266.2	4.4
7/12/2021	2:40:00 PM	307.9	271.8	7	272.4	6.8
7/12/2021	2:45:00 PM	324.7	240.5	5.4	251.3	4.8
7/12/2021	2:50:00 PM	311.8	233.5	2.8	233.1	2.3
7/12/2021	2:55:00 PM	311.6	260.7	6.4	255.5	6.1
7/12/2021	3:00:00 PM	322.6	247.9	7.8	246.3	7.7
7/12/2021	3:05:00 PM	315.7	268.1	7.7	270.1	7.3
7/12/2021	3:10:00 PM	322.7	286	7.5	286.3	7.3
7/12/2021	3:15:00 PM	327.4	293.1	6.6	293	6.5
7/12/2021	3:20:00 PM	322.7	280.9	8.3	281.1	8.1
7/12/2021	3:25:00 PM	321.3	246.8	3.7	252.2	2.9
7/12/2021	3:30:00 PM	311.6	277.3	1.1	245.2	0.8
7/12/2021	3:35:00 PM	300.6	243.1	4.2	247.1	3.8
7/12/2021	3:40:00 PM	313	268.9	4.6	268.2	4.3
7/12/2021	3:45:00 PM	310	246.9	3.7	244.6	3.4
7/12/2021	3:50:00 PM	313.3	262.6	3.4	255.7	2.2
7/12/2021	3:55:00 PM	321.9	245.1	4.8	242.3	4.4
7/12/2021	4:00:00 PM	317.9	238	6.6	237.8	6.4
7/12/2021	4:05:00 PM	310	244.4	7.7	243.7	7.5
7/12/2021	4:10:00 PM	287.8	239.9	5.6	240.1	5.3
7/12/2021	4:15:00 PM	271.3	215.2	3.8	218.1	3.6
7/12/2021	4:20:00 PM	261.7	216	3.8	215.4	3.6
7/12/2021	4:25:00 PM	251.4	234.4	3.3	230.3	3.1
7/12/2021	4:30:00 PM	248.4	207.1	5.3	206.8	5.1
7/12/2021	4:35:00 PM	246.1	239.5	3.8	233	3.4
7/12/2021	4:40:00 PM	229.5	260.6	3.2	259	3.1
7/12/2021	4:45:00 PM	246.8	232	3	232.5	2.8
7/12/2021	4:50:00 PM	267.3	185.5	3.1	185.1	2.9
7/12/2021	4:55:00 PM	276.7	216.7	3.3	218.5	3
7/12/2021	5:00:00 PM	284.7	233.8	4.1	235.9	3.9
7/12/2021	5:05:00 PM	288.9	217.1	3	208.1	2.7
7/12/2021	5:10:00 PM	296.8	187.5	3.8	186.9	3.7
7/12/2021	5:15:00 PM	319.9	219.4	4.3	219.7	4
7/12/2021	5:20:00 PM	315.9	234	5.1	234.9	5
7/12/2021	5:25:00 PM	324.5	236.2	5.3	237	5.1
7/12/2021	5:30:00 PM	336	216.1	4	216.9	3.8
7/12/2021	5:35:00 PM	334.4	208.5	3.8	207.3	3.7

Site: Buckeye						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/12/2021	5:40:00 PM	328.9	207.5	3.6	206.2	3.5
7/12/2021	5:45:00 PM	336.9	208.3	4.3	208.6	4.1
7/12/2021	5:50:00 PM	342.3	227.8	4.4	230	4.2
7/12/2021	5:55:00 PM	344.4	235.3	6.1	235.1	6
7/12/2021	6:00:00 PM	362.6	237.6	6.6	237.9	6.5
7/12/2021	6:05:00 PM	374.1	217.7	5	216.3	4.8
7/12/2021	6:10:00 PM	389	225.8	4.8	226.9	4.6
7/12/2021	6:15:00 PM	365.4	229.1	4.5	230.3	4.3
7/12/2021	6:20:00 PM	328.2	214.9	3.5	214.9	3.2
7/12/2021	6:25:00 PM	327.2	217.2	4.7	218.7	4.5
7/12/2021	6:30:00 PM	307.3	209.2	5.3	209.5	5.2
7/12/2021	6:35:00 PM	314.4	216.5	4	215.9	3.8
7/12/2021	6:40:00 PM	320.1	215.9	4.1	215.7	4
7/12/2021	6:45:00 PM	298.1	210.9	4	210.6	3.9
7/12/2021	6:50:00 PM	283.3	214.3	5.1	213.4	4.9
7/12/2021	6:55:00 PM	295.6	215.3	4.5	215.8	4.3
7/12/2021	7:00:00 PM	310.3	216.1	4.2	217.6	4.1
7/12/2021	7:05:00 PM	316.5	215.7	3.1	216.2	2.9
7/12/2021	7:10:00 PM	331.3	213.8	3.6	214.8	3.4
7/12/2021	7:15:00 PM	348.4	232	6.3	233	6.1
7/12/2021	7:20:00 PM	364	222.1	4.1	224	4
7/12/2021	7:25:00 PM	356.6	233.5	5.5	233.8	5.4
7/12/2021	7:30:00 PM	365.7	231.3	5.4	231.8	5.3
7/12/2021	7:35:00 PM	392.9	216.4	3.5	218.5	3.4
7/12/2021	7:40:00 PM	400.3	230.8	4.5	231.7	4.4
7/12/2021	7:45:00 PM	388.7	228.5	4.7	229.3	4.6
7/12/2021	7:50:00 PM	370	236.1	4.8	235.8	4.8
7/12/2021	7:55:00 PM	355.2	233	5.4	233.2	5.3
7/12/2021	8:00:00 PM	349.2	231.2	6.5	231.2	6.4
7/12/2021	8:05:00 PM	373.2	230.9	6.3	231	6.2
7/12/2021	8:10:00 PM	382.5	227	5.9	227.8	5.8
7/12/2021	8:15:00 PM	346.9	233	6.6	233.1	6.4
7/12/2021	8:20:00 PM	314.2	231.7	5.8	232.2	5.7
7/12/2021	8:25:00 PM	268.4	231.5	5.1	232	5
7/12/2021	8:30:00 PM	237	236.3	5.2	235.8	5.1
7/12/2021	8:35:00 PM	213.2	232.7	5.3	233.1	5.2
7/12/2021	8:40:00 PM	204	232.6	5.5	233	5.4
7/12/2021	8:45:00 PM	192.1	238	6	238	5.9
7/12/2021	8:50:00 PM	189	234.7	5.3	234.5	5.2
7/12/2021	8:55:00 PM	180.4	243.3	5.3	242.5	5.2
7/12/2021	9:00:00 PM	171.9	248.9	4.2	248.6	4.1
7/12/2021	9:05:00 PM	176.5	242.3	4.9	241.5	4.8
7/12/2021	9:10:00 PM	170	242.7	6.2	242.6	6.1
7/12/2021	9:15:00 PM	162.2	237.4	5.3	237.2	5.2
7/12/2021	9:20:00 PM	162.1	236.5	4.7	236.6	4.6
7/12/2021	9:25:00 PM	162.4	238.2	4.7	238.4	4.7
7/12/2021	9:30:00 PM	156.6	240	5.4	239.8	5.4
7/12/2021	9:35:00 PM	143.2	241.8	6.2	241.8	6.2
7/12/2021	9:40:00 PM	144	238.3	7.1	238	7
7/12/2021	9:45:00 PM	125.2	238.7	8.4	238.7	8.3
7/12/2021	9:50:00 PM	99.8	244.8	7.8	244.3	7.7
7/12/2021	9:55:00 PM	72.7	246.4	7.2	246.2	7.1
7/12/2021	10:00:00 PM	48.2	245.7	7.3	245.4	7.2

Site: Buckeye						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/12/2021	10:05:00 PM	39.9	241.4	7.7	241.4	7.6
7/12/2021	10:10:00 PM	41.3	237.5	6.5	237.4	6.4
7/12/2021	10:15:00 PM	43.3	238.9	5.7	238.7	5.6
7/12/2021	10:20:00 PM	41.9	236.1	5.9	236.1	5.8
7/12/2021	10:25:00 PM	39.3	238.8	5.7	238.5	5.6
7/12/2021	10:30:00 PM	31.6	241.7	6.1	241.9	6
7/12/2021	10:35:00 PM	28.4	249.5	4.4	249.5	4.3
7/12/2021	10:40:00 PM	27.6	249.1	5.3	248.9	5.2
7/12/2021	10:45:00 PM	22.3	245.3	6.5	244.8	6.4
7/12/2021	10:50:00 PM	27.3	240.6	7.3	240.6	7.2
7/12/2021	10:55:00 PM	25.3	222.6	5.6	223.6	5.4
7/12/2021	11:00:00 PM	42.1	205.4	4.4	206.4	4.2
7/12/2021	11:05:00 PM	48.4	227.5	4.4	228.3	4.3
7/12/2021	11:10:00 PM	23.9	235.3	4.6	235.5	4.4
7/12/2021	11:15:00 PM	27.9	212.5	4.1	212.6	4
7/12/2021	11:20:00 PM	33.4	210.2	5.1	210.6	5
7/12/2021	11:25:00 PM	18.6	206.8	6	206.8	5.9
7/12/2021	11:30:00 PM	10.7	203.7	5.9	203.8	5.8
7/12/2021	11:35:00 PM	18.4	202.2	4	202.3	3.9
7/12/2021	11:40:00 PM	22	195	5.2	195.3	5.1
7/12/2021	11:45:00 PM	20.1	205.4	8.1	205.2	8
7/12/2021	11:50:00 PM	26.2	200.1	6.7	201	6.6
7/12/2021	11:55:00 PM	34.4	184.7	6.4	184.8	6.3
Average		163.4	239	4.9	235.9	4.1
Max		400.3	352.9	11.4	358.8	11.2
Max Hour		18172.09275	1469.082957	4.611469101	1427.626724	4.485958067
Min		10.5	5.5	0	7.5	0.3
Count		275	288	288	288	288
Total		44950.7	68820.6	1415.3	69026.6	1353.5

Site: West 43rd Avenue						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	12:00:00 AM	51.2	255.5	3.1	255.7	3.1
7/21/2023	12:05:00 AM	52.3	258.6	2.2	258.1	2.2
7/21/2023	12:10:00 AM	52.1	287	1.1	285.8	1.1
7/21/2023	12:15:00 AM	51.1	287.6	1.1	287.5	1.1
7/21/2023	12:20:00 AM	50.4	255.8	1.3	256.3	1.2
7/21/2023	12:25:00 AM	45	259.5	1.6	260	1.6
7/21/2023	12:30:00 AM	40.4	252.6	1.5	250.6	1.5
7/21/2023	12:35:00 AM	42.1	301.5	0	305.1	0.6
7/21/2023	12:40:00 AM	41.1	325.8	1.8	326.6	1.8
7/21/2023	12:45:00 AM	40	7.9	2	8.3	1.9
7/21/2023	12:50:00 AM	40.4	11.2	1.7	12.5	1.6
7/21/2023	12:55:00 AM	44.1	334	1.7	334.3	1.7
7/21/2023	1:00:00 AM	47.6	343.3	2.4	343.3	2.4
7/21/2023	1:05:00 AM	48	331.7	2.6	331.3	2.6
7/21/2023	1:10:00 AM	49.2	331	2.9	330.9	2.9
7/21/2023	1:15:00 AM	52	316.5	3	316.7	3
7/21/2023	1:20:00 AM	55	301.3	3.1	301.2	3.1
7/21/2023	1:25:00 AM	56.4	295.1	2.8	295.2	2.8
7/21/2023	1:30:00 AM	57.4	291.5	3	291.4	3
7/21/2023	1:35:00 AM	57.7	281.9	3.5	282.1	3.5
7/21/2023	1:40:00 AM	56.8	282.2	4.3	282.3	4.2
7/21/2023	1:45:00 AM	54.4	278.8	3.7	279	3.7
7/21/2023	1:50:00 AM	50.8	265.1	2.7	266.4	2.7
7/21/2023	1:55:00 AM	45.2	233.1	2.1	233.3	2
7/21/2023	2:00:00 AM	49.9	218.9	1.8	219.1	1.8
7/21/2023	2:05:00 AM	70.6	227.9	2.9	228.8	2.9
7/21/2023	2:10:00 AM	74.3	238.6	3.4	238.7	3.4
7/21/2023	2:15:00 AM	62.1	234.3	3.7	234.3	3.7
7/21/2023	2:20:00 AM	53.2	240	3.1	240.3	3.1
7/21/2023	2:25:00 AM	49.2	240	2.6	240.3	2.5
7/21/2023	2:30:00 AM	56.4	248.5	2.1	248.8	2.1
7/21/2023	2:35:00 AM	70.9	232.4	1.9	233	1.8
7/21/2023	2:40:00 AM	86.3	198	2.1	199.6	2
7/21/2023	2:45:00 AM	85.6	195.2	1.3	194.3	1.3
7/21/2023	2:50:00 AM	79.3	176.6	1	178.2	0.9
7/21/2023	2:55:00 AM	71.7	170	1	171.7	0.9
7/21/2023	3:00:00 AM	64.1	227.6	1.3	228.9	1.3
7/21/2023	3:05:00 AM	56.5	244	2.3	243.5	2.2
7/21/2023	3:10:00 AM	60	249.8	3.3	249.9	3.2
7/21/2023	3:15:00 AM	76.4	260.3	3.7	260.5	3.7
7/21/2023	3:20:00 AM	82.8	262.4	4.2	262.5	4.2
7/21/2023	3:25:00 AM	74.2	260.8	4.3	260.8	4.3
7/21/2023	3:30:00 AM	61.9	262.4	4.4	262.6	4.4
7/21/2023	3:35:00 AM	54.1	256.6	3.7	256.7	3.6
7/21/2023	3:40:00 AM	54.9	242	2.5	242.7	2.5
7/21/2023	3:45:00 AM	57.4	201.3	0	204.3	0.7
7/21/2023	3:50:00 AM	68.9	151.5	0	157.7	0.4
7/21/2023	3:55:00 AM	100.1	202.4	0	192.9	0.4
7/21/2023	4:00:00 AM	106.3	44.1	1.7	43	1.6
7/21/2023	4:05:00 AM	104.1	37.9	2.7	37.6	2.7
7/21/2023	4:10:00 AM	105	50.6	3.1	50.7	3
7/21/2023	4:15:00 AM	107.4	27.2	1.8	33.5	1.7
7/21/2023	4:20:00 AM	102.2	286	2.9	277.4	2.7

Site: West 43rd Avenue						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	4:25:00 AM	98.7	240	6.3	240.1	6.1
7/21/2023	4:30:00 AM	120.5	241.6	13.3	241.5	13.1
7/21/2023	4:35:00 AM	192.6	241.1	11.4	241.3	11.3
7/21/2023	4:40:00 AM	285.3	243.2	9.2	243	9.1
7/21/2023	4:45:00 AM	330.3	243.6	9.2	243.5	9
7/21/2023	4:50:00 AM	343.1	252.5	12.7	252.7	12.5
7/21/2023	4:55:00 AM	359	256.1	14.2	256.3	14
7/21/2023	5:00:00 AM	388	253.2	16.7	253.1	16.5
7/21/2023	5:05:00 AM	439.9	257.4	13.3	257.4	13
7/21/2023	5:10:00 AM	456.6	262.8	12.9	263.2	12.8
7/21/2023	5:15:00 AM	445.8	269.6	14.1	269.8	13.9
7/21/2023	5:20:00 AM	424.9	272.8	13.5	272.8	13.4
7/21/2023	5:25:00 AM	398.4	271.7	14.1	272	13.9
7/21/2023	5:30:00 AM	383.8	269.2	14.9	269.5	14.8
7/21/2023	5:35:00 AM	376.8	267.2	14.5	267.5	14.3
7/21/2023	5:40:00 AM	378.4	268.7	14.4	268.8	14.2
7/21/2023	5:45:00 AM	377.4	268.8	14.3	269.2	14.2
7/21/2023	5:50:00 AM	374.2	269.1	14.9	269.5	14.8
7/21/2023	5:55:00 AM	372.6	268.8	15.7	269	15.6
7/21/2023	6:00:00 AM	373	263.6	15.7	263.9	15.5
7/21/2023	6:05:00 AM	394.8	265.9	16	266.1	15.9
7/21/2023	6:10:00 AM	425.4	263.3	17	263.5	16.8
7/21/2023	6:15:00 AM	476.6	268.2	17.8	268.3	17.6
7/21/2023	6:20:00 AM	509.8	267.1	16	267.6	15.8
7/21/2023	6:25:00 AM	495.2	270.1	14.5	270.3	14.3
7/21/2023	6:30:00 AM	463	270.6	14.4	271	14.3
7/21/2023	6:35:00 AM	425.7	264.2	12.3	264.1	12
7/21/2023	6:40:00 AM	393.9	274.9	12.9	275	12.8
7/21/2023	6:45:00 AM	370.7	267	11.7	267.3	11.5
7/21/2023	6:50:00 AM	353	270.9	13	271	12.9
7/21/2023	6:55:00 AM	336.3	268.2	13.3	268.3	13.1
7/21/2023	7:00:00 AM	320.1	270.7	13	270.8	12.9
7/21/2023	7:05:00 AM	311.2	271.5	13.4	271.8	13.3
7/21/2023	7:10:00 AM	300.8	272.9	14.3	273.3	14.2
7/21/2023	7:15:00 AM	291.7	274.5	14.4	274.7	14.3
7/21/2023	7:20:00 AM	284.7	277.3	12.8	277.5	12.6
7/21/2023	7:25:00 AM	273.5	273.3	14	273.8	13.8
7/21/2023	7:30:00 AM	261.9	273.7	14	273.7	13.8
7/21/2023	7:35:00 AM	252.2	274	15.1	274.4	14.9
7/21/2023	7:40:00 AM	240.2	273.2	13.7	273.7	13.6
7/21/2023	7:45:00 AM	224.5	272.5	13	272.2	12.8
7/21/2023	7:50:00 AM	212.2	279.1	13.2	279	13
7/21/2023	7:55:00 AM	203.8	274.4	13.2	274.3	13.1
7/21/2023	8:00:00 AM	198.8	279.8	12.5	279.6	12.4
7/21/2023	8:05:00 AM	190.1	279.2	12.3	279.6	12.1
7/21/2023	8:10:00 AM	181.7	286.9	11.2	286.2	11.1
7/21/2023	8:15:00 AM	176.5	288.7	14.5	288.8	14.3
7/21/2023	8:20:00 AM	170.2	289.6	12.6	289.5	12.5
7/21/2023	8:25:00 AM	169.7	294.2	14.1	294.4	14
7/21/2023	8:30:00 AM	169.1	292	11.8	291.1	11.6
7/21/2023	8:35:00 AM	167	288.2	13	288.3	12.8
7/21/2023	8:40:00 AM	161.6	288.7	12.9	288.8	12.7
7/21/2023	8:45:00 AM	156.1	279	11.3	279.5	11.1

Site: West 43rd Avenue						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/21/2023	8:50:00 AM	146.1	276	12.5	276	12.4
7/21/2023	8:55:00 AM	135.5	277.8	12.5	277.8	12.4
7/21/2023	9:00:00 AM	130.9	272	12.5	272.5	12.4
7/21/2023	9:05:00 AM	128	273.3	10.9	273.7	10.8
7/21/2023	9:10:00 AM	125.7	265.6	8.9	266.7	8.6
7/21/2023	9:15:00 AM	120.9	258.8	8.4	258.6	8.2
7/21/2023	9:20:00 AM	118.5	257.3	8.2	257.1	8
7/21/2023	9:25:00 AM	121.6	260.1	6.2	258.9	5.9
7/21/2023	9:30:00 AM	122.4	272.8	8.4	273.6	8.2
7/21/2023	9:35:00 AM	123.9	240.2	7.2	240.4	7.1
7/21/2023	9:40:00 AM	120.1	242.8	8.6	242.9	8.3
7/21/2023	9:45:00 AM	132.3	255.1	8.4	257	7.8
7/21/2023	9:50:00 AM	144.4	270.6	8.2	271.2	8
7/21/2023	9:55:00 AM	141.7	239.4	6.1	239.8	5.7
7/21/2023	10:00:00 AM	132.7	224.2	5.7	233.4	5.3
7/21/2023	10:05:00 AM	141.1	258.4	8.7	258.4	8.5
7/21/2023	10:10:00 AM	148.2	253	5.5	250	5
7/21/2023	10:15:00 AM	146.4	264.6	5.5	264.8	5.3
7/21/2023	10:20:00 AM	142.4	266	5.2	267.5	4.9
7/21/2023	10:25:00 AM	136.5	272.2	5.8	273.3	5.5
7/21/2023	10:30:00 AM	132.4	293.6	5	292.4	4.9
7/21/2023	10:35:00 AM	128.6	274.2	5.4	274.3	5
7/21/2023	10:40:00 AM	125.9	236.4	5.1	233.1	4.7
7/21/2023	10:45:00 AM	126.2	242.3	3.5	254	2.7
7/21/2023	10:50:00 AM	128.1	275.9	6.6	276.6	6.5
7/21/2023	10:55:00 AM	131.5	279	8.6	278.8	8.3
7/21/2023	11:00:00 AM	132.5	263.2	7.2	263.6	7
7/21/2023	11:05:00 AM	130.3	233.7	3.7	243.2	3.2
7/21/2023	11:10:00 AM	127.2	207	2.1	214.6	1.5
7/21/2023	11:15:00 AM	125.4	244.7	3.4	249.2	3
7/21/2023	11:20:00 AM	129.8	213.5	3.9	225.1	2.2
7/21/2023	11:25:00 AM	129.2	273.4	3.3	275.1	0.9
7/21/2023	11:30:00 AM	121.8	203.5	4.2	191	3.3
7/21/2023	11:35:00 AM	126.4	257.4	6.9	254.3	6.3
7/21/2023	11:40:00 AM	131.4	224.7	4.9	220.4	3.9
7/21/2023	11:45:00 AM	133.5	208.1	5.3	203.9	4.4
7/21/2023	11:50:00 AM	133.7	283.7	6.6	283.9	6.4
7/21/2023	11:55:00 AM	129	309.1	4.1	309.2	4
7/21/2023	12:00:00 PM	125.3	339.4	2.4	321	1.8
7/21/2023	12:05:00 PM	120.4	175.5	5.3	175.5	5
7/21/2023	12:10:00 PM	118.5	166.5	4.7	170.7	4.2
7/21/2023	12:15:00 PM	120.8	241.9	2.8	239.2	2.4
7/21/2023	12:20:00 PM	121.2	254.4	5.2	252.6	3.5
7/21/2023	12:25:00 PM	122.6	191.7	5.7	190.9	5.4
7/21/2023	12:30:00 PM	123.4	169.6	4.9	171.6	4.7
7/21/2023	12:35:00 PM	122.1	92	3.7	91.8	3.5
7/21/2023	12:40:00 PM	124.9	176.9	3.7	188.7	3.2
7/21/2023	12:45:00 PM	130.8	241.6	7.3	239.2	7
7/21/2023	12:50:00 PM	131	200.9	2.7	223.5	1.1
7/21/2023	12:55:00 PM	133	264.6	3.5	256.2	2.6
7/21/2023	1:00:00 PM	130.2	257.9	9	258.6	8.8
7/21/2023	1:05:00 PM	121	252.7	6.8	252	6.4
7/21/2023	1:10:00 PM	115.9	268	8.6	268	8.2

Site: West 43rd Avenue						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/21/2023	1:15:00 PM	116.6	287.2	9.5	286.3	8.9
7/21/2023	1:20:00 PM	115.2	251.1	7	258.1	6.5
7/21/2023	1:25:00 PM	112.5	261.9	7.8	265	7.5
7/21/2023	1:30:00 PM	98.5	258.5	6.2	257.4	6
7/21/2023	1:35:00 PM	90.7	281.2	6.3	281.9	5.9
7/21/2023	1:40:00 PM	85.8	238.6	10	238.7	9.7
7/21/2023	1:45:00 PM	85.7	273	9.5	271.9	9.1
7/21/2023	1:50:00 PM	90.3	261.8	9.8	263	9.5
7/21/2023	1:55:00 PM	88	264.4	10.1	265.6	9.8
7/21/2023	2:00:00 PM	85	271.5	11.8	272.6	11.2
7/21/2023	2:05:00 PM	78.5	265.3	13.8	265.2	13.6
7/21/2023	2:10:00 PM	83.4	261	9.4	263.1	9
7/21/2023	2:15:00 PM	91.6	262.2	9.3	262.5	8.6
7/21/2023	2:20:00 PM	96.9	276	12.6	276.8	12.4
7/21/2023	2:25:00 PM	97.7	255.4	10.6	252.2	9.6
7/21/2023	2:30:00 PM	92.7	263.6	10.8	263.9	10.5
7/21/2023	2:35:00 PM	91.9	263.7	9.3	264.3	9.1
7/21/2023	2:40:00 PM	88	270.7	12	271.5	11.8
7/21/2023	2:45:00 PM	81.5	262.1	10.1	262.5	9.8
7/21/2023	2:50:00 PM	81.4	261.9	10.7	260.8	10.3
7/21/2023	2:55:00 PM	80.8	260.3	11.9	260.3	11.7
7/21/2023	3:00:00 PM	80.5	267	11.5	267.4	11.2
7/21/2023	3:05:00 PM	75.4	268.2	11.2	268	10.9
7/21/2023	3:10:00 PM	78.1	254.6	9.4	254.1	9
7/21/2023	3:15:00 PM	84.1	267.2	13.4	268.3	13
7/21/2023	3:20:00 PM	81.7	259.1	10.4	260.5	10
7/21/2023	3:25:00 PM	78.7	274.9	13.5	274.3	13.2
7/21/2023	3:30:00 PM	70.1	259.1	11.7	259.6	11.3
7/21/2023	3:35:00 PM	68.5	258.3	9.8	257.3	9.3
7/21/2023	3:40:00 PM	60.4	270.9	12.9	270.8	12.4
7/21/2023	3:45:00 PM	52.1	256.4	12.6	256.2	12.4
7/21/2023	3:50:00 PM	53.1	263.8	11.3	265.7	10.9
7/21/2023	3:55:00 PM	51.2	257.2	11.2	257.3	10.7
7/21/2023	4:00:00 PM	49	256.7	13.4	256.8	13
7/21/2023	4:05:00 PM	53.6	243.5	13.6	243.5	13.4
7/21/2023	4:10:00 PM	66.4	254.5	13.3	255.8	12.8
7/21/2023	4:15:00 PM	73.6	261.8	13	262.2	12.7
7/21/2023	4:20:00 PM	74.3	259.8	14.2	260.5	14
7/21/2023	4:25:00 PM	65.7	247.1	13.2	247.5	13
7/21/2023	4:30:00 PM	59	261.2	12.3	261.3	12
7/21/2023	4:35:00 PM	53.8	265.4	12.6	265.6	12.4
7/21/2023	4:40:00 PM	59.1	275.8	15.1	276.3	15
7/21/2023	4:45:00 PM	57.1	262.9	13.4	262.5	13.2
7/21/2023	4:50:00 PM	56.3	266	12.2	265.9	11.9
7/21/2023	4:55:00 PM	55.3	276.2	13.2	276.1	13
7/21/2023	5:00:00 PM	42.5	268.5	12.3	268.5	12.1
7/21/2023	5:05:00 PM	28.6	266.4	12.6	267.4	12.4
7/21/2023	5:10:00 PM	31.9	265.5	13.2	265.6	13
7/21/2023	5:15:00 PM	39.7	255.2	12.3	254.8	12
7/21/2023	5:20:00 PM	47.5	254.3	11.9	254.1	11.8
7/21/2023	5:25:00 PM	55.4	257.4	11.7	257.4	11.5
7/21/2023	5:30:00 PM	58.4	255.8	9.8	256.5	9.6
7/21/2023	5:35:00 PM	56.3	249	10.5	248.7	10.3

Site: West 43rd Avenue						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/21/2023	5:40:00 PM	55.5	253.2	10	252.4	9.9
7/21/2023	5:45:00 PM	59.8	253	10.9	252.8	10.8
7/21/2023	5:50:00 PM	63.2	258.4	11.5	258.7	11.4
7/21/2023	5:55:00 PM	67.8	251.1	10.9	251.4	10.7
7/21/2023	6:00:00 PM	67.8	250.1	10.9	249.8	10.7
7/21/2023	6:05:00 PM	64.7	258.3	9.7	258.7	9.5
7/21/2023	6:10:00 PM	59.2	254.6	9.7	254.7	9.6
7/21/2023	6:15:00 PM	54.2	254.5	9.1	254.3	9
7/21/2023	6:20:00 PM	49.9	255.1	8.9	254.9	8.8
7/21/2023	6:25:00 PM	46.5	257.3	9.5	257.6	9.3
7/21/2023	6:30:00 PM	44.9	252.6	10.1	251.9	10
7/21/2023	6:35:00 PM	42	254.7	9.6	254.8	9.4
7/21/2023	6:40:00 PM	41.5	253.7	9	253.3	8.8
7/21/2023	6:45:00 PM	41.8	252.2	7.1	252.5	6.9
7/21/2023	6:50:00 PM	43.9	262.5	8	262.6	7.8
7/21/2023	6:55:00 PM	46.6	270.3	7.7	270.7	7.6
7/21/2023	7:00:00 PM	46.5	272.1	7.8	272.3	7.8
7/21/2023	7:05:00 PM	44.5	284.9	8.2	285.4	8
7/21/2023	7:10:00 PM	45.1	308.8	8.4	307.7	8.3
7/21/2023	7:15:00 PM	46.3	332.9	9	333.2	8.9
7/21/2023	7:20:00 PM	48.3	346.2	9.4	346.1	9.1
7/21/2023	7:25:00 PM	56.3	346.5	13	346.9	12.8
7/21/2023	7:30:00 PM	70.9	353.9	9.4	354.8	9.1
7/21/2023	7:35:00 PM	81.8	349.4	10.6	349.3	10.4
7/21/2023	7:40:00 PM	84.4	358.1	7.8	357.8	7.5
7/21/2023	7:45:00 PM	83.4	349.9	6.1	350.6	6
7/21/2023	7:50:00 PM	81.7	350	5.2	350.2	5
7/21/2023	7:55:00 PM	77.9	351.4	4.4	352.4	4.3
7/21/2023	8:00:00 PM	74.5	335.4	4.4	337.2	4.3
7/21/2023	8:05:00 PM	70.4	9	5.2	6.6	4.7
7/21/2023	8:10:00 PM	65.4	358.6	5.1	358.7	4.9
7/21/2023	8:15:00 PM	64.2	0.3	3.5	359.5	3.4
7/21/2023	8:20:00 PM	61.1	4.3	4.5	4.3	4.4
7/21/2023	8:25:00 PM	60.1	5	5.2	4.6	5.1
7/21/2023	8:30:00 PM	60	21.1	7.9	21.3	7.8
7/21/2023	8:35:00 PM	58.7	46.3	13.4	47.1	13.1
7/21/2023	8:40:00 PM	71.4	45.5	15.1	45.2	15
7/21/2023	8:45:00 PM	159.7	44.7	13.6	44.6	13.4
7/21/2023	8:50:00 PM	313.6	53.3	12.6	52.9	12.4
7/21/2023	8:55:00 PM	364.6	73.1	9.1	72.3	9
7/21/2023	9:00:00 PM	364.6	70.3	9.1	70	8.9
7/21/2023	9:05:00 PM	345.4	69.2	10.7	69.5	10.6
7/21/2023	9:10:00 PM	319	61.8	8.3	62.3	8.2
7/21/2023	9:15:00 PM	290.2	65.6	8.3	65.7	8.2
7/21/2023	9:20:00 PM	258.9	70.6	7.8	70.6	7.7
7/21/2023	9:25:00 PM	226.8	72.3	6.1	72.5	5.9
7/21/2023	9:30:00 PM	197.5	86.4	6.3	85.7	6.1
7/21/2023	9:35:00 PM	170.2	86.6	6.5	86.9	6.3
7/21/2023	9:40:00 PM	149.4	81.3	6.3	81.7	6.2
7/21/2023	9:45:00 PM	135.1	83.4	6.2	83.8	6.1
7/21/2023	9:50:00 PM	125.3	69.4	6.6	69.7	6.5
7/21/2023	9:55:00 PM	119.1	62.6	7	62.8	6.9
7/21/2023	10:00:00 PM	116.3	72.3	6.3	72	6.3

Site: West 43rd Avenue						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/21/2023	10:05:00 PM	113.4	82	6.5	82	6.4
7/21/2023	10:10:00 PM	107.9	106.2	5.4	105.1	5.2
7/21/2023	10:15:00 PM	103.8	123.4	5.3	123.2	5.2
7/21/2023	10:20:00 PM	98.2	116.2	5.8	116.3	5.6
7/21/2023	10:25:00 PM	91.7	134.3	6.4	134.2	6.1
7/21/2023	10:30:00 PM	83.3	148.1	8.6	147.8	8.4
7/21/2023	10:35:00 PM	72.6	145.8	10.1	145.6	10
7/21/2023	10:40:00 PM	64.9	145.1	10.9	144	10.8
7/21/2023	10:45:00 PM	83.2	156.7	21.1	156.2	20.5
7/21/2023	10:50:00 PM	217.6	159.5	18.6	159.6	18.2
7/21/2023	10:55:00 PM	815.1	150.9	15.6	151	15.3
7/21/2023	11:00:00 PM	1711.9	155.6	16.8	155.9	16.4
7/21/2023	11:05:00 PM	2056.4	154	22.3	154	21.8
7/21/2023	11:10:00 PM	2443.5	156.1	21.3	155.5	20.9
7/21/2023	11:15:00 PM	2777.9	158	21.1	158.2	20.6
7/21/2023	11:20:00 PM	2825.8	162.3	21.2	162.3	20.8
7/21/2023	11:25:00 PM	2780.4	162.6	18.5	162.7	18.1
7/21/2023	11:30:00 PM	2463.4	176.9	19.2	176.5	18.7
7/21/2023	11:35:00 PM	2053.4	181.2	15.2	180.3	14.6
7/21/2023	11:40:00 PM	1650.7	180.9	18.4	179.9	17.9
7/21/2023	11:45:00 PM	1360.7	180.7	18.2	180.1	17.7
7/21/2023	11:50:00 PM	1151.2	179.1	18.2	178	17.8
7/21/2023	11:55:00 PM	995.8	182.8	16.9	181.9	16.4
Average		216.9	261	8.8	259.3	5.4
Max		2825.8	358.6	22.3	359.5	21.8
Max Hour		171535.1092	5820.927452	23.87581446	5669.745795	23.59950784
Min		28.6	0.3	0	4.3	0.4
Count		288	288	288	288	288
Total		62481.9	67031.4	2557.8	67459.3	2490.6

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	12:00:00 AM	12.8	<	1.4	<	1.3
7/21/2023	12:05:00 AM	32.4	<	0.4	<	0.4
7/21/2023	12:10:00 AM	10.2	<	1.7	<	1.6
7/21/2023	12:15:00 AM	23.7	<	2.1	<	2
7/21/2023	12:20:00 AM	8.9	<	2.1	<	2
7/21/2023	12:25:00 AM	3.4	<	2.4	<	2.3
7/21/2023	12:30:00 AM	12.4	<	2.2	<	2
7/21/2023	12:35:00 AM	11.7	<	2.6	<	2.5
7/21/2023	12:40:00 AM	11.1	<	3.3	<	3.2
7/21/2023	12:45:00 AM	18.5	<	2.4	<	2.4
7/21/2023	12:50:00 AM	12.2	<	3	<	3
7/21/2023	12:55:00 AM	12	<	2.8	<	2.8
7/21/2023	1:00:00 AM	11.4	<	2.4	<	2.3
7/21/2023	1:05:00 AM	11.4	<	1.6	<	1.5
7/21/2023	1:10:00 AM	45.9	<	0	<	0
7/21/2023	1:15:00 AM	24.2	<	0.1	<	0
7/21/2023	1:20:00 AM	15.5	<	1.1	<	1
7/21/2023	1:25:00 AM	19.3	<	0.9	<	0.9
7/21/2023	1:30:00 AM	31.7	<	1	<	1
7/21/2023	1:35:00 AM	58.4	<	0.9	<	0.5
7/21/2023	1:40:00 AM	13.6	<	0.3	<	0.3
7/21/2023	1:45:00 AM	31.4	<	1.2	<	1.2
7/21/2023	1:50:00 AM	25.8	<	0.2	<	0.2
7/21/2023	1:55:00 AM	21.3	<	1.5	<	1.5
7/21/2023	2:00:00 AM	42.1	<	2.1	<	1.8
7/21/2023	2:05:00 AM	34.4	<	2.3	<	2.2
7/21/2023	2:10:00 AM	29.2	<	2.5	<	2.4
7/21/2023	2:15:00 AM	14.1	<	2.7	<	2.7
7/21/2023	2:20:00 AM	9.2	<	3	<	3
7/21/2023	2:25:00 AM	23.3	<	2.8	<	2.8
7/21/2023	2:30:00 AM	20.7	<	4.1	<	4.1
7/21/2023	2:35:00 AM	35.1	<	5.4	<	5.3
7/21/2023	2:40:00 AM	23.5	<	5	<	4.9
7/21/2023	2:45:00 AM	9	<	2.7	<	2.7
7/21/2023	2:50:00 AM	7.4	<	0.7	<	0.7
7/21/2023	2:55:00 AM	17.4	<	0.9	<	0.9
7/21/2023	3:00:00 AM	29.1	<	0.6	<	0.6
7/21/2023	3:05:00 AM	83	<	1.6	<	1.5
7/21/2023	3:10:00 AM	48.4	<	2.7	<	2.6
7/21/2023	3:15:00 AM	-1.2	<	4.2	<	4
7/21/2023	3:20:00 AM	-15.2	<	4.2	<	4.1
7/21/2023	3:25:00 AM	-3.5	<	5.3	<	5.3
7/21/2023	3:30:00 AM	11	<	5.4	<	5.4
7/21/2023	3:35:00 AM	21.7	<	5	<	5
7/21/2023	3:40:00 AM	35.7	<	4.1	<	4.1
7/21/2023	3:45:00 AM	22.6	<	3.8	<	3.8
7/21/2023	3:50:00 AM	28.9	<	2.9	<	2.9
7/21/2023	3:55:00 AM	32.9	<	4.3	<	4.3
7/21/2023	4:00:00 AM	47.1	<	5.9	<	5.8
7/21/2023	4:05:00 AM	48.8	<	4.8	<	4.7
7/21/2023	4:10:00 AM	59.4	<	5.2	<	5.1
7/21/2023	4:15:00 AM	50	<	5	<	4.9
7/21/2023	4:20:00 AM	40.2	<	3.8	<	3.7

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	4:25:00 AM	45.8	<	4.5	<	4.3
7/21/2023	4:30:00 AM	45.1	<	6.4	<	6.3
7/21/2023	4:35:00 AM	49.9	<	14	<	13.8
7/21/2023	4:40:00 AM	62.7	<	9.1	<	9
7/21/2023	4:45:00 AM	54	<	6.3	<	6.2
7/21/2023	4:50:00 AM	55.9	<	7.4	<	7.2
7/21/2023	4:55:00 AM	70	<	2.8	<	2.6
7/21/2023	5:00:00 AM	67.7	<	2	<	1.9
7/21/2023	5:05:00 AM	75.8	<	4.4	<	4.3
7/21/2023	5:10:00 AM	84.2	<	1.7	<	1.7
7/21/2023	5:15:00 AM	82.8	<	2	<	1.8
7/21/2023	5:20:00 AM	131.6	<	2.8	<	2.7
7/21/2023	5:25:00 AM	139.5	<	4	<	2.1
7/21/2023	5:30:00 AM	72.5	<	1	<	0.8
7/21/2023	5:35:00 AM	82.7	<	1.3	<	1
7/21/2023	5:40:00 AM	160.6	<	4.6	<	4.4
7/21/2023	5:45:00 AM	265.2	<	6.1	<	5.9
7/21/2023	5:50:00 AM	277.8	<	4.9	<	4.7
7/21/2023	5:55:00 AM	246.6	<	2.8	<	2.6
7/21/2023	6:00:00 AM	238.6	<	2.9	<	2.4
7/21/2023	6:05:00 AM	246.9	<	2.7	<	2.2
7/21/2023	6:10:00 AM	288.3	<	0.5	<	0.4
7/21/2023	6:15:00 AM	280.5	<	1.1	<	1.1
7/21/2023	6:20:00 AM	296	<	2	<	1.9
7/21/2023	6:25:00 AM	307.3	<	2.1	<	2.1
7/21/2023	6:30:00 AM	353.6	<	2.5	<	2.5
7/21/2023	6:35:00 AM	358.1	<	2.9	<	2.8
7/21/2023	6:40:00 AM	324.7	<	3.4	<	3.3
7/21/2023	6:45:00 AM	230.7	<	4.2	<	4.2
7/21/2023	6:50:00 AM	229.8	<	3.8	<	3.6
7/21/2023	6:55:00 AM	246	<	1.2	<	0.5
7/21/2023	7:00:00 AM	316.6	<	1.9	<	0.8
7/21/2023	7:05:00 AM	318.5	<	4.2	<	3.6
7/21/2023	7:10:00 AM	342.4	<	10.3	<	10
7/21/2023	7:15:00 AM	323.8	<	7.9	<	7.7
7/21/2023	7:20:00 AM	306.8	<	11.7	<	11.4
7/21/2023	7:25:00 AM	291.2	<	10.5	<	10.3
7/21/2023	7:30:00 AM	285	<	10	<	9.8
7/21/2023	7:35:00 AM	283.2	<	14.6	<	14.5
7/21/2023	7:40:00 AM	278.4	<	10.8	<	10.7
7/21/2023	7:45:00 AM	274.9	<	12.4	<	12.2
7/21/2023	7:50:00 AM	261.9	<	9.8	<	9.6
7/21/2023	7:55:00 AM	252.5	<	7.9	<	7.4
7/21/2023	8:00:00 AM	261.7	<	4.7	<	4.6
7/21/2023	8:05:00 AM	264.2	<	5.8	<	5.2
7/21/2023	8:10:00 AM	251.2	<	3	<	2.8
7/21/2023	8:15:00 AM	246.8	<	4.6	<	4.3
7/21/2023	8:20:00 AM	272.8	<	7.9	<	7.5
7/21/2023	8:25:00 AM	274.3	<	4.5	<	4.2
7/21/2023	8:30:00 AM	277.4	<	9	<	8.7
7/21/2023	8:35:00 AM	291.7	<	8.1	<	7.8
7/21/2023	8:40:00 AM	293.6	<	7.6	<	7.4
7/21/2023	8:45:00 AM	284.3	<	8.2	<	7.9

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	8:50:00 AM	277.9	<	7.1	<	6.9
7/21/2023	8:55:00 AM	270.2	<	7.7	<	7.5
7/21/2023	9:00:00 AM	265.7	<	7.6	<	7.4
7/21/2023	9:05:00 AM	262.6	<	8.5	<	8.4
7/21/2023	9:10:00 AM	256.6	<	7.7	<	7.5
7/21/2023	9:15:00 AM	255.7	<	8.1	<	7.9
7/21/2023	9:20:00 AM	250.3	<	7.8	<	7.5
7/21/2023	9:25:00 AM	250	<	8.6	<	8.4
7/21/2023	9:30:00 AM	259.2	<	7.5	<	7.3
7/21/2023	9:35:00 AM	230.9	<	4.8	<	4.2
7/21/2023	9:40:00 AM	222.7	<	6.8	<	6.5
7/21/2023	9:45:00 AM	213.4	<	6.7	<	6.3
7/21/2023	9:50:00 AM	222.9	<	7.6	<	7.3
7/21/2023	9:55:00 AM	214.3	<	6.4	<	6.2
7/21/2023	10:00:00 AM	195.4	<	7	<	6.2
7/21/2023	10:05:00 AM	214.5	<	7.5	<	7.4
7/21/2023	10:10:00 AM	207	<	8	<	7.7
7/21/2023	10:15:00 AM	183.8	<	5.6	<	5.1
7/21/2023	10:20:00 AM	203.1	<	8.2	<	7.9
7/21/2023	10:25:00 AM	208.8	<	7.5	<	7.3
7/21/2023	10:30:00 AM	196.4	<	8	<	7.3
7/21/2023	10:35:00 AM	194.5	<	6.6	<	6
7/21/2023	10:40:00 AM	186	<	6	<	5.9
7/21/2023	10:45:00 AM	184.7	<	7.4	<	7.1
7/21/2023	10:50:00 AM	202.2	<	7	<	6.9
7/21/2023	10:55:00 AM	179.3	<	6.8	<	6.5
7/21/2023	11:00:00 AM	167.2	<	5.1	<	4.9
7/21/2023	11:05:00 AM	170	<	7.3	<	7
7/21/2023	11:10:00 AM	179.4	<	4.5	<	4.1
7/21/2023	11:15:00 AM	202.9	<	7.9	<	7.6
7/21/2023	11:20:00 AM	186.1	<	7.5	<	7.3
7/21/2023	11:25:00 AM	189.5	<	8.6	<	8.3
7/21/2023	11:30:00 AM	179.2	<	8.6	<	8.4
7/21/2023	11:35:00 AM	183.7	<	7.1	<	6.7
7/21/2023	11:40:00 AM	168.4	<	5.9	<	4.7
7/21/2023	11:45:00 AM	140.8	<	5.6	<	5.4
7/21/2023	11:50:00 AM	134.5	<	5	<	4.3
7/21/2023	11:55:00 AM	163.7	<	5.4	<	4.7
7/21/2023	12:00:00 PM	140.9	<	8.3	<	7.9
7/21/2023	12:05:00 PM	155.2	<	6	<	4.3
7/21/2023	12:10:00 PM	145.3	<	3	<	2.5
7/21/2023	12:15:00 PM	166.5	<	6.1	<	5.3
7/21/2023	12:20:00 PM	155.9	<	8	<	7.7
7/21/2023	12:25:00 PM	141.3	<	8.6	<	8.5
7/21/2023	12:30:00 PM	150.4	<	6.8	<	6.6
7/21/2023	12:35:00 PM	158.3	<	5.3	<	4.4
7/21/2023	12:40:00 PM	166.2	<	4.5	<	4.2
7/21/2023	12:45:00 PM	158.7	<	7.4	<	7.1
7/21/2023	12:50:00 PM	149.7	<	5	<	4.3
7/21/2023	12:55:00 PM	155.6	<	4.2	<	3
7/21/2023	1:00:00 PM	168.5	<	4.8	<	4.6
7/21/2023	1:05:00 PM	149.9	<	5.4	<	5
7/21/2023	1:10:00 PM	140.6	<	3.8	<	3.5

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	1:15:00 PM	147.7	<	3.5	<	3.2
7/21/2023	1:20:00 PM	168.1	<	5.3	<	5.2
7/21/2023	1:25:00 PM	144.5	<	7.8	<	6.9
7/21/2023	1:30:00 PM	150.8	<	5	<	4.7
7/21/2023	1:35:00 PM	196.7	<	3.9	<	2.9
7/21/2023	1:40:00 PM	166.5	<	6.8	<	6.4
7/21/2023	1:45:00 PM	144.1	<	6.1	<	5.2
7/21/2023	1:50:00 PM	143.4	<	5.9	<	5.7
7/21/2023	1:55:00 PM	139.6	<	4.9	<	4.1
7/21/2023	2:00:00 PM	125.4	<	8.3	<	7.7
7/21/2023	2:05:00 PM	106.5	<	7.7	<	7.4
7/21/2023	2:10:00 PM	120.9	<	4.5	<	4.3
7/21/2023	2:15:00 PM	124.8	<	9.7	<	9.3
7/21/2023	2:20:00 PM	110.7	<	5.6	<	5.2
7/21/2023	2:25:00 PM	113.7	<	6.6	<	6.4
7/21/2023	2:30:00 PM	107	<	6.9	<	6.7
7/21/2023	2:35:00 PM	117.7	<	9	<	8.2
7/21/2023	2:40:00 PM	113.7	<	10.8	<	10.3
7/21/2023	2:45:00 PM	101.4	<	9	<	7.9
7/21/2023	2:50:00 PM	102.7	<	7	<	6.5
7/21/2023	2:55:00 PM	104	<	8.8	<	8.3
7/21/2023	3:00:00 PM	85.9	<	4.3	<	4.1
7/21/2023	3:05:00 PM	83.8	<	10.6	<	10.2
7/21/2023	3:10:00 PM	75.4	<	6.8	<	6.4
7/21/2023	3:15:00 PM	75	<	4.7	<	4.5
7/21/2023	3:20:00 PM	58.3	<	6.9	<	6.7
7/21/2023	3:25:00 PM	23.3	<	7.8	<	7.5
7/21/2023	3:30:00 PM	-3.8	<	6.4	<	5.8
7/21/2023	3:35:00 PM	14.3	<	7.5	<	6.7
7/21/2023	3:40:00 PM	1.3	<	7.6	<	7.1
7/21/2023	3:45:00 PM	12	<	11.9	<	11.4
7/21/2023	3:50:00 PM	37.6	<	8.3	<	8.1
7/21/2023	3:55:00 PM	23.7	<	11.4	<	11
7/21/2023	4:00:00 PM	30.9	<	8.3	<	8.1
7/21/2023	4:05:00 PM	30.5	<	11.2	<	10.8
7/21/2023	4:10:00 PM	40.3	<	8	<	7.9
7/21/2023	4:15:00 PM	31.1	<	7	<	6.7
7/21/2023	4:20:00 PM	28.7	<	10.1	<	9.6
7/21/2023	4:25:00 PM	37.7	<	7.6	<	7.3
7/21/2023	4:30:00 PM	47.8	<	8.8	<	8.3
7/21/2023	4:35:00 PM	39.1	<	10.8	<	10
7/21/2023	4:40:00 PM	67.9	<	10.2	<	10
7/21/2023	4:45:00 PM	178.1	<	8	<	7.4
7/21/2023	4:50:00 PM	123.8	<	8	<	7.7
7/21/2023	4:55:00 PM	70.4	<	8.5	<	8.2
7/21/2023	5:00:00 PM	50.6	<	8.2	<	7.9
7/21/2023	5:05:00 PM	44.2	<	10.1	<	9.8
7/21/2023	5:10:00 PM	34	<	10	<	9.5
7/21/2023	5:15:00 PM	31.6	<	9	<	8.9
7/21/2023	5:20:00 PM	34.7	<	7.6	<	7.5
7/21/2023	5:25:00 PM	40.6	<	6.8	<	6.6
7/21/2023	5:30:00 PM	51.2	<	8.3	<	8.1
7/21/2023	5:35:00 PM	60.8	<	6.7	<	6.6

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	5:40:00 PM	53.6	<	8.3	<	8.2
7/21/2023	5:45:00 PM	43.4	<	6.1	<	6
7/21/2023	5:50:00 PM	36.9	<	6.1	<	5.8
7/21/2023	5:55:00 PM	34.6	<	8.3	<	8
7/21/2023	6:00:00 PM	44.4	<	8.2	<	8.2
7/21/2023	6:05:00 PM	47.1	<	6	<	5.8
7/21/2023	6:10:00 PM	51.1	<	5.8	<	4.9
7/21/2023	6:15:00 PM	65.2	<	16	<	15.8
7/21/2023	6:20:00 PM	139.4	<	17.4	<	16.5
7/21/2023	6:25:00 PM	271	<	16.8	<	16.4
7/21/2023	6:30:00 PM	872.8	<	20.2	<	19.9
7/21/2023	6:35:00 PM	781.3	<	17.1	<	16.8
7/21/2023	6:40:00 PM	550.8	<	18	<	17.1
7/21/2023	6:45:00 PM	487.2	<	18.9	<	18.5
7/21/2023	6:50:00 PM	290	<	18.2	<	17.4
7/21/2023	6:55:00 PM	174.6	<	18.8	<	18.2
7/21/2023	7:00:00 PM	151.6	<	19.1	<	18.8
7/21/2023	7:05:00 PM	116.1	<	16.9	<	16.7
7/21/2023	7:10:00 PM	76.7	<	17.3	<	17
7/21/2023	7:15:00 PM	60.6	<	17	<	16.8
7/21/2023	7:20:00 PM	56.1	<	13.6	<	13.3
7/21/2023	7:25:00 PM	41.4	<	15.3	<	15
7/21/2023	7:30:00 PM	27.6	<	12.6	<	12.4
7/21/2023	7:35:00 PM	18.7	<	13	<	12.8
7/21/2023	7:40:00 PM	15.5	<	12.3	<	12
7/21/2023	7:45:00 PM	16.5	<	11.6	<	11.4
7/21/2023	7:50:00 PM	17.5	<	9.9	<	9.6
7/21/2023	7:55:00 PM	25.8	<	7.2	<	7
7/21/2023	8:00:00 PM	27.5	<	7	<	6.7
7/21/2023	8:05:00 PM	24.7	<	7.4	<	7.2
7/21/2023	8:10:00 PM	15.9	<	6.9	<	6.6
7/21/2023	8:15:00 PM	13.2	<	8.7	<	8.4
7/21/2023	8:20:00 PM	14.8	<	7.5	<	7.1
7/21/2023	8:25:00 PM	13	<	5.6	<	5.5
7/21/2023	8:30:00 PM	15.3	<	7	<	6.7
7/21/2023	8:35:00 PM	9	<	7	<	6.7
7/21/2023	8:40:00 PM	7.7	<	6.6	<	6.5
7/21/2023	8:45:00 PM	13	<	6.3	<	6.2
7/21/2023	8:50:00 PM	13.8	<	5.7	<	5.5
7/21/2023	8:55:00 PM	8.6	<	6.7	<	6.5
7/21/2023	9:00:00 PM	2.5	<	7.1	<	7
7/21/2023	9:05:00 PM	15.1	<	6.1	<	6
7/21/2023	9:10:00 PM	17.9	<	6.3	<	6.2
7/21/2023	9:15:00 PM	20.8	<	6.1	<	6
7/21/2023	9:20:00 PM	30.3	<	5.3	<	5.2
7/21/2023	9:25:00 PM	43	<	4.7	<	4.6
7/21/2023	9:30:00 PM	59.9	<	4.8	<	4.8
7/21/2023	9:35:00 PM	71.7	<	4.6	<	4.6
7/21/2023	9:40:00 PM	87.9	<	4	<	3.9
7/21/2023	9:45:00 PM	65.9	<	3.4	<	3.4
7/21/2023	9:50:00 PM	54	<	2.6	<	2.5
7/21/2023	9:55:00 PM	47.1	<	2.2	<	2.2
7/21/2023	10:00:00 PM	33.7	<	1.9	<	1.8

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/21/2023	10:05:00 PM	29.8	<	2.4	<	2.4
7/21/2023	10:10:00 PM	38.6	<	2.7	<	2.6
7/21/2023	10:15:00 PM	39.6	<	4.3	<	4.3
7/21/2023	10:20:00 PM	30.6	<	5.9	<	5.8
7/21/2023	10:25:00 PM	36.7	<	5.8	<	5.8
7/21/2023	10:30:00 PM	42.6	<	4.2	<	4.1
7/21/2023	10:35:00 PM	43.5	<	2.6	<	2.6
7/21/2023	10:40:00 PM	41.2	<	1.5	<	0.7
7/21/2023	10:45:00 PM	57.3	<	3.5	<	3.5
7/21/2023	10:50:00 PM	46.9	<	4.4	<	4.4
7/21/2023	10:55:00 PM	52.6	<	2.8	<	2.6
7/21/2023	11:00:00 PM	44.1	<	0.8	<	0.7
7/21/2023	11:05:00 PM	43.5	<	3	<	3
7/21/2023	11:10:00 PM	46.4	<	5.4	<	5.4
7/21/2023	11:15:00 PM	51.8	<	3.4	<	1.3
7/21/2023	11:20:00 PM	87.1	<	3.4	<	2.2
7/21/2023	11:25:00 PM	77.5	<	6	<	5.6
7/21/2023	11:30:00 PM	122.5	<	13	<	12.7
7/21/2023	11:35:00 PM	297.2	<	11.7	<	11.3
7/21/2023	11:40:00 PM	483.5	<	11.9	<	11.7
7/21/2023	11:45:00 PM	562.2	<	8	<	7.9
7/21/2023	11:50:00 PM	564.6	<	9.2	<	9
7/21/2023	11:55:00 PM	520.2	<	10.1	<	9.8
Average		125.5		6.4		6.1
Max		872.8	0	20.2	0	19.9
Max Hour						
Min		-15.2	0	0	0	0
Count		288	0	288	0	288
Total						

Site: Higley						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	12:00:00 AM	71.7	142.6	3.4	142.7	3.4
7/26/2023	12:05:00 AM	66.2	145.2	3.2	145.8	3.2
7/26/2023	12:10:00 AM	61.4	161	2.6	160.7	2.6
7/26/2023	12:15:00 AM	56	169.6	3.2	169.8	3.2
7/26/2023	12:20:00 AM	48.8	180.7	2.4	180.6	2.3
7/26/2023	12:25:00 AM	42.1	186.8	2.3	186.5	2.3
7/26/2023	12:30:00 AM	39.2	194.7	3.5	194.8	3.4
7/26/2023	12:35:00 AM	39.5	197.4	2.5	197.2	2.4
7/26/2023	12:40:00 AM	38.4	169.9	1.8	171	1.8
7/26/2023	12:45:00 AM	36.5	129.6	2.1	129.3	2
7/26/2023	12:50:00 AM	36.2	90.5	3.2	89.7	3.2
7/26/2023	12:55:00 AM	38.2	84.8	4.7	84.4	4.6
7/26/2023	1:00:00 AM	39.1	82.5	5.3	82.4	5.2
7/26/2023	1:05:00 AM	37.5	116.8	2.7	118	2.6
7/26/2023	1:10:00 AM	34.9	141.8	2.3	142.6	2.3
7/26/2023	1:15:00 AM	35.5	110.6	1.6	109.1	1.5
7/26/2023	1:20:00 AM	37.9	149.1	1.4	148.7	1.3
7/26/2023	1:25:00 AM	37.4	139.5	1.7	138.8	1.7
7/26/2023	1:30:00 AM	35.7	120.1	2.8	120.1	2.8
7/26/2023	1:35:00 AM	36.2	138.4	3.8	138.6	3.8
7/26/2023	1:40:00 AM	39.6	91.3	2.8	89.3	2.7
7/26/2023	1:45:00 AM	41.5	128.3	3.9	130.3	3.8
7/26/2023	1:50:00 AM	40	133.6	4.4	133.5	4.4
7/26/2023	1:55:00 AM	38.5	158.7	3.1	158	3.1
7/26/2023	2:00:00 AM	39.9	176.1	3.3	175.4	3.3
7/26/2023	2:05:00 AM	42.4	171.9	2.7	172.2	2.7
7/26/2023	2:10:00 AM	42	156.9	1.4	158.6	1.4
7/26/2023	2:15:00 AM	39.5	139	1.1	139.2	1.1
7/26/2023	2:20:00 AM	38.9	138.7	1.8	138.4	1.8
7/26/2023	2:25:00 AM	41.1	152.7	2	153.6	1.9
7/26/2023	2:30:00 AM	41.9	163.6	2.8	163.9	2.8
7/26/2023	2:35:00 AM	40.1	156.5	2	157.5	2
7/26/2023	2:40:00 AM	38	168.9	1.5	172.7	1.3
7/26/2023	2:45:00 AM	38.3	216.1	2.4	216.5	2.4
7/26/2023	2:50:00 AM	39	215.2	2.6	215.3	2.6
7/26/2023	2:55:00 AM	37.7	200.8	1.9	209.4	1.9
7/26/2023	3:00:00 AM	35.5	138.7	1.3	138.4	1.2
7/26/2023	3:05:00 AM	35.4	154.2	1.7	154.3	1.6
7/26/2023	3:10:00 AM	36.9	180.6	1.3	177.8	1.3
7/26/2023	3:15:00 AM	36.8	203.4	0	198.2	0.3
7/26/2023	3:20:00 AM	34.9	185.5	1	191.2	1
7/26/2023	3:25:00 AM	33.1	185.1	0	214.1	0.4
7/26/2023	3:30:00 AM	34.5	47.3	1.3	38.5	1.2
7/26/2023	3:35:00 AM	36.6	32	3.6	32.6	3.6
7/26/2023	3:40:00 AM	36.7	38.7	4.2	38.5	4.2
7/26/2023	3:45:00 AM	37.2	47.4	2.8	47.4	2.7
7/26/2023	3:50:00 AM	41.6	63.3	2.8	64	2.8
7/26/2023	3:55:00 AM	47.8	80.5	2.1	79.8	2
7/26/2023	4:00:00 AM	51.9	87.6	1.3	87.7	1.2
7/26/2023	4:05:00 AM	53.2	34.3	1.6	31.4	1.5
7/26/2023	4:10:00 AM	53.8	35.9	2.7	36.1	2.7
7/26/2023	4:15:00 AM	55.2	55.4	3.3	55.8	3.3
7/26/2023	4:20:00 AM	59.6	65.9	3.6	64.6	3.6

Site: Higley						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	4:25:00 AM	62.5	80.1	2.8	81.4	2.7
7/26/2023	4:30:00 AM	60.4	82.8	4.3	83.9	4.3
7/26/2023	4:35:00 AM	57	91.6	5.1	91.3	5
7/26/2023	4:40:00 AM	55.5	84.3	5	83.8	4.9
7/26/2023	4:45:00 AM	54.6	86.9	4.7	86.4	4.6
7/26/2023	4:50:00 AM	54.5	107.1	5	107.8	4.9
7/26/2023	4:55:00 AM	52.5	113.9	6.5	113.3	6.4
7/26/2023	5:00:00 AM	49.3	111	7.5	111	7.3
7/26/2023	5:05:00 AM	54.1	107.7	6.6	107.6	6.6
7/26/2023	5:10:00 AM	66.2	108.4	6.1	108.5	6
7/26/2023	5:15:00 AM	79.6	106.2	4.2	107.1	4.2
7/26/2023	5:20:00 AM	86.5	124.1	3.1	123.8	3
7/26/2023	5:25:00 AM	98	119	3.4	118.9	3.3
7/26/2023	5:30:00 AM	106.7	96.5	2.1	97.7	2
7/26/2023	5:35:00 AM	114.7	75.6	2.6	75.8	2.5
7/26/2023	5:40:00 AM	116.7	66.6	2.1	66.4	2.1
7/26/2023	5:45:00 AM	113.6	60.9	4	60.9	4
7/26/2023	5:50:00 AM	113.7	63.7	4.5	63.6	4.5
7/26/2023	5:55:00 AM	111.4	68	4.8	68.8	4.7
7/26/2023	6:00:00 AM	109.1	71.6	4	71.4	3.9
7/26/2023	6:05:00 AM	128.5	82.1	4.9	82.4	4.8
7/26/2023	6:10:00 AM	134.5	84.6	4.4	84.5	4.3
7/26/2023	6:15:00 AM	130.3	92.5	4.8	93	4.7
7/26/2023	6:20:00 AM	126.3	94.5	5.7	95	5.6
7/26/2023	6:25:00 AM	131.2	93.7	6.1	94	6
7/26/2023	6:30:00 AM	140.9	97.3	5.8	97.8	5.7
7/26/2023	6:35:00 AM	141.1	96.3	8.2	96.5	8.1
7/26/2023	6:40:00 AM	143.5	104	7.5	104.2	7.4
7/26/2023	6:45:00 AM	150.8	105.3	7.5	105.4	7.4
7/26/2023	6:50:00 AM	154.8	113.3	6.8	113.3	6.7
7/26/2023	6:55:00 AM	149.5	112.8	6.3	112.5	6.2
7/26/2023	7:00:00 AM	140.2	109.6	6	109.8	5.9
7/26/2023	7:05:00 AM	134.5	113.7	6.2	113.5	6.1
7/26/2023	7:10:00 AM	141.9	109.9	7	109.7	6.9
7/26/2023	7:15:00 AM	177	109.4	7.3	109.4	7.2
7/26/2023	7:20:00 AM	193	115.3	7.2	115.4	7.1
7/26/2023	7:25:00 AM	183.4	120.4	7.6	120.5	7.5
7/26/2023	7:30:00 AM	170.7	120.5	7.9	120.7	7.9
7/26/2023	7:35:00 AM	154.7	117.7	7.1	118.9	7
7/26/2023	7:40:00 AM	133.9	122.7	4.5	122.8	4.4
7/26/2023	7:45:00 AM	115.3	125	4.3	126.1	4.1
7/26/2023	7:50:00 AM	104.9	116.7	5.4	116.9	5.1
7/26/2023	7:55:00 AM	97.8	139.5	5.2	138.9	5.1
7/26/2023	8:00:00 AM	88.3	128.7	4.5	128.4	4.4
7/26/2023	8:05:00 AM	80.6	118.7	3.4	118	3.2
7/26/2023	8:10:00 AM	80.1	140.7	2.6	140.8	2.4
7/26/2023	8:15:00 AM	79.6	151.4	3.6	151.2	3.5
7/26/2023	8:20:00 AM	74.4	185.9	3.2	184.9	3.1
7/26/2023	8:25:00 AM	69.8	163.3	2.3	161	2.2
7/26/2023	8:30:00 AM	74	146.7	2.8	147.3	2.6
7/26/2023	8:35:00 AM	75.4	139	2.7	139.3	2.7
7/26/2023	8:40:00 AM	73.4	177.7	2.7	182.5	2.4
7/26/2023	8:45:00 AM	70.7	199.6	2.6	202.4	2.4

Site: Higley						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	8:50:00 AM	73.4	220.8	1.6	216.1	1.4
7/26/2023	8:55:00 AM	74.4	210.2	3.6	210.1	3.3
7/26/2023	9:00:00 AM	70.3	191.9	2.6	190.8	2.5
7/26/2023	9:05:00 AM	68.9	228.3	4.6	227.7	4.4
7/26/2023	9:10:00 AM	74.3	232.9	4.1	234.7	4
7/26/2023	9:15:00 AM	73.2	217.4	3.2	221.6	2.8
7/26/2023	9:20:00 AM	65	231.4	5.6	230.8	5.4
7/26/2023	9:25:00 AM	60.7	231.6	6.2	231.1	6.1
7/26/2023	9:30:00 AM	61.1	233.8	6.5	233.7	6.3
7/26/2023	9:35:00 AM	57.2	224.1	6.4	225.9	6.1
7/26/2023	9:40:00 AM	51.1	228	6.7	228.8	6.6
7/26/2023	9:45:00 AM	50.6	228.7	6.6	229.9	6.4
7/26/2023	9:50:00 AM	51.5	186.2	4.1	189.4	3.8
7/26/2023	9:55:00 AM	46.5	181.7	4.1	174.2	3.7
7/26/2023	10:00:00 AM	44.1	212.4	6	214	5.5
7/26/2023	10:05:00 AM	47.3	231.1	7.9	230.3	7.7
7/26/2023	10:10:00 AM	47.9	235.5	5.7	234.5	5.6
7/26/2023	10:15:00 AM	45.5	225	4.2	224.4	4
7/26/2023	10:20:00 AM	47.7	200.5	5.7	203.3	5.5
7/26/2023	10:25:00 AM	55.6	157.2	3.2	162.8	2.8
7/26/2023	10:30:00 AM	57.8	202.7	5.5	205.2	5.2
7/26/2023	10:35:00 AM	56.7	213.3	4.1	215.7	3.6
7/26/2023	10:40:00 AM	61	216.4	4.6	216.3	4
7/26/2023	10:45:00 AM	65.9	210.1	5.5	209.8	5.3
7/26/2023	10:50:00 AM	64.3	180.1	5.7	182.9	5
7/26/2023	10:55:00 AM	62.1	200.1	4.8	196	4.3
7/26/2023	11:00:00 AM	65.3	181.3	4.2	176	3.3
7/26/2023	11:05:00 AM	65.4	132.7	3.2	131.7	2.9
7/26/2023	11:10:00 AM	59.4	231.9	7.7	234.6	7.5
7/26/2023	11:15:00 AM	56.8	242.8	4.8	242.9	4.5
7/26/2023	11:20:00 AM	59.7	192.3	4.1	225.3	3.5
7/26/2023	11:25:00 AM	59.5	200.7	2.8	228.8	2.5
7/26/2023	11:30:00 AM	56.3	233.7	1.6	242.1	1.1
7/26/2023	11:35:00 AM	56.6	252.9	5.7	250.6	5.4
7/26/2023	11:40:00 AM	61.6	229	5.2	229	5
7/26/2023	11:45:00 AM	56.9	240.2	5.4	238.1	5.2
7/26/2023	11:50:00 AM	51.1	239.8	7.6	237.6	6.9
7/26/2023	11:55:00 AM	54.3	216.3	6.1	216.8	6
7/26/2023	12:00:00 PM	54.2	250.4	7.5	249.8	7
7/26/2023	12:05:00 PM	49.1	290	8.7	290.3	8.6
7/26/2023	12:10:00 PM	47	308.5	4.5	306.4	4.3
7/26/2023	12:15:00 PM	47.1	241.5	7.3	236.5	6
7/26/2023	12:20:00 PM	45.2	256.6	4.8	249.6	2.7
7/26/2023	12:25:00 PM	40.6	277.3	5.2	277	4.8
7/26/2023	12:30:00 PM	44	250.2	6.7	252.4	6.1
7/26/2023	12:35:00 PM	49.1	270.6	7.2	274.7	6.9
7/26/2023	12:40:00 PM	46.6	233.5	6.8	234.1	6.6
7/26/2023	12:45:00 PM	43.5	244.1	6.8	241.2	6.3
7/26/2023	12:50:00 PM	46.2	287.9	5.6	287.9	5.3
7/26/2023	12:55:00 PM	46.3	297.8	4.1	296.8	3.7
7/26/2023	1:00:00 PM	40.3	301.3	4.5	297.7	3.4
7/26/2023	1:05:00 PM	40.9	287.7	4.5	281.4	4
7/26/2023	1:10:00 PM	44.7	302.2	4.2	300.9	3.6

Site: Higley						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	1:15:00 PM	42.2	294.3	7	283.4	6.6
7/26/2023	1:20:00 PM	39.4	282.8	7.6	277.3	7.1
7/26/2023	1:25:00 PM	44.4	252.5	6.4	257.7	5.7
7/26/2023	1:30:00 PM	47.4	286.1	6.8	283.6	6.6
7/26/2023	1:35:00 PM	44.4	285.2	9.2	286.6	8.8
7/26/2023	1:40:00 PM	44.4	300.6	6.3	299.1	6.1
7/26/2023	1:45:00 PM	48.6	256.6	7.9	255.2	7.6
7/26/2023	1:50:00 PM	47	258.5	6.9	258.2	6.6
7/26/2023	1:55:00 PM	42.1	300.2	7.3	291.5	6.9
7/26/2023	2:00:00 PM	42.8	315.8	7.7	304.2	6.8
7/26/2023	2:05:00 PM	47.3	286.3	8.8	285	8.2
7/26/2023	2:10:00 PM	46.7	308.7	8.7	304.1	8.4
7/26/2023	2:15:00 PM	45.2	294.3	9.1	293.8	8.9
7/26/2023	2:20:00 PM	45.9	286.5	8.9	285	8.5
7/26/2023	2:25:00 PM	45.8	283	10.1	284.1	9.9
7/26/2023	2:30:00 PM	41.7	283.9	7	283.6	6.8
7/26/2023	2:35:00 PM	41	279.9	8.3	282.8	7.9
7/26/2023	2:40:00 PM	44.1	304.7	6.6	300	6.4
7/26/2023	2:45:00 PM	42.7	291.7	5.8	288.4	5.4
7/26/2023	2:50:00 PM	38.8	289.4	10.2	290.8	10
7/26/2023	2:55:00 PM	42.1	282.2	7.8	278.6	7.6
7/26/2023	3:00:00 PM	44.8	275.2	10.6	276.5	10
7/26/2023	3:05:00 PM	41.7	280.6	10.8	281.2	10.3
7/26/2023	3:10:00 PM	40.4	287.5	11.4	287.8	11.2
7/26/2023	3:15:00 PM	48.7	257.9	9.2	262.4	8.8
7/26/2023	3:20:00 PM	64.4	265.6	11.1	266	10.4
7/26/2023	3:25:00 PM	64	269.5	10.2	269.2	9.9
7/26/2023	3:30:00 PM	61.3	276.2	10.7	275.4	10.5
7/26/2023	3:35:00 PM	58.8	278.2	7.8	278	7.6
7/26/2023	3:40:00 PM	52.4	259.5	7.4	257.4	7.1
7/26/2023	3:45:00 PM	44.9	279.4	9.2	282.2	8.7
7/26/2023	3:50:00 PM	44	285.1	12.5	283.3	12.3
7/26/2023	3:55:00 PM	44.6	289.3	8.8	287.1	8.5
7/26/2023	4:00:00 PM	40.6	305.2	8.8	300.2	8.4
7/26/2023	4:05:00 PM	38.8	281.4	9.3	283.4	9
7/26/2023	4:10:00 PM	39.9	283.6	11	283.2	10.5
7/26/2023	4:15:00 PM	39.8	304	7.3	296.3	6.9
7/26/2023	4:20:00 PM	34.7	281.1	10.2	280.6	9.9
7/26/2023	4:25:00 PM	33.6	274.3	9	275.4	8.5
7/26/2023	4:30:00 PM	34.9	273.8	9.3	274.5	8.8
7/26/2023	4:35:00 PM	32.6	273.1	8.9	274.7	8.4
7/26/2023	4:40:00 PM	29.2	292.7	11.1	291.5	10.8
7/26/2023	4:45:00 PM	31.5	317.8	4.6	304.7	4
7/26/2023	4:50:00 PM	32.1	315.1	6.9	301.3	6.4
7/26/2023	4:55:00 PM	27.3	289.4	8.3	288.6	8
7/26/2023	5:00:00 PM	24.6	300.8	8.9	299.3	8.7
7/26/2023	5:05:00 PM	26.7	273.3	9.3	274.5	9
7/26/2023	5:10:00 PM	27.8	290.4	8.1	290.7	8
7/26/2023	5:15:00 PM	25	276	7.5	278.9	7
7/26/2023	5:20:00 PM	24.9	265.2	7.2	265.4	6.9
7/26/2023	5:25:00 PM	28	293.8	7.4	292.3	7.2
7/26/2023	5:30:00 PM	27.5	308.3	7.9	302.6	7.6
7/26/2023	5:35:00 PM	24.7	305.5	5.4	302.8	5.2

Site: Higley						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	5:40:00 PM	26.1	293.2	6.1	289.5	5.9
7/26/2023	5:45:00 PM	28.6	293.5	6.9	290.9	6.7
7/26/2023	5:50:00 PM	26.2	287.4	7	285.6	6.8
7/26/2023	5:55:00 PM	24	282.9	9.8	282.8	9.6
7/26/2023	6:00:00 PM	25.8	294	8.9	294.1	8.8
7/26/2023	6:05:00 PM	26.9	292.3	8.4	292.5	8.3
7/26/2023	6:10:00 PM	24.4	288.1	8	288.4	7.9
7/26/2023	6:15:00 PM	23.9	302.6	6	301.7	5.7
7/26/2023	6:20:00 PM	26.4	295.6	8.6	295.7	8.5
7/26/2023	6:25:00 PM	26.6	290.6	7.1	290.8	7
7/26/2023	6:30:00 PM	24.1	285	6.5	285.6	6.4
7/26/2023	6:35:00 PM	25.1	289.2	8.3	288.2	8.2
7/26/2023	6:40:00 PM	28.4	281.1	6.6	281.3	6.4
7/26/2023	6:45:00 PM	27.8	284.3	6.9	284.8	6.8
7/26/2023	6:50:00 PM	25.1	280	7.1	279.6	7
7/26/2023	6:55:00 PM	25.5	277.6	7.3	277.4	7.3
7/26/2023	7:00:00 PM	28.6	282.9	7.2	283.1	7
7/26/2023	7:05:00 PM	27.3	276	5.7	275.9	5.6
7/26/2023	7:10:00 PM	25.2	271.8	6.3	271.5	6.3
7/26/2023	7:15:00 PM	26.5	274.1	5.9	274	5.8
7/26/2023	7:20:00 PM	28.5	277.7	5.6	278.3	5.5
7/26/2023	7:25:00 PM	27	279.6	5.7	279.3	5.6
7/26/2023	7:30:00 PM	24.9	280.6	6.2	280.3	6.1
7/26/2023	7:35:00 PM	27.4	277.6	5	277.6	4.9
7/26/2023	7:40:00 PM	29.7	275	5.1	274.8	5
7/26/2023	7:45:00 PM	28	273.5	5.8	273.6	5.7
7/26/2023	7:50:00 PM	25.5	272.5	5.3	272.3	5.3
7/26/2023	7:55:00 PM	27.2	265.2	5.4	266.1	5.3
7/26/2023	8:00:00 PM	31.2	255.2	6.3	255.3	6.3
7/26/2023	8:05:00 PM	32.1	260.3	6.9	260.4	6.7
7/26/2023	8:10:00 PM	32	261.4	5.7	261	5.6
7/26/2023	8:15:00 PM	35.8	265.6	3.8	265.9	3.7
7/26/2023	8:20:00 PM	39.4	262.7	3.9	262.6	3.9
7/26/2023	8:25:00 PM	38.1	257	4	258.1	3.9
7/26/2023	8:30:00 PM	36	228.6	3.7	230.6	3.3
7/26/2023	8:35:00 PM	40.2	240.1	4	240.1	3.9
7/26/2023	8:40:00 PM	46	242.6	4.9	242	4.8
7/26/2023	8:45:00 PM	44.1	245.2	5.2	245.9	5.1
7/26/2023	8:50:00 PM	40.2	247.5	4.6	248	4.5
7/26/2023	8:55:00 PM	40.8	238.9	5.2	238.9	5.1
7/26/2023	9:00:00 PM	42.4	230.9	5.5	231	5.4
7/26/2023	9:05:00 PM	40.7	205.1	3.7	205.2	3.7
7/26/2023	9:10:00 PM	39.8	198.4	5.4	198.6	5.3
7/26/2023	9:15:00 PM	43	182.2	3.9	183.4	3.7
7/26/2023	9:20:00 PM	48.1	163.3	8.7	164.4	8.4
7/26/2023	9:25:00 PM	54.5	172.2	16.8	171	16
7/26/2023	9:30:00 PM	93.9	175.3	16.4	176.1	15.8
7/26/2023	9:35:00 PM	293.3	141	16.3	140.5	15.9
7/26/2023	9:40:00 PM	1169.5	141.8	23.8	141.5	23
7/26/2023	9:45:00 PM	2894.2	127.6	31.1	128.1	30.5
7/26/2023	9:50:00 PM	4555	130	29.1	130	28.8
7/26/2023	9:55:00 PM	5125	130.4	29.5	129.9	29.2
7/26/2023	10:00:00 PM	4617.3	126.8	27.1	126.7	26.7

Site: Higley						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/26/2023	10:05:00 PM	3766.2	118.3	27.8	118.4	27.4
7/26/2023	10:10:00 PM	2893.5	118.5	26.4	118.4	25.9
7/26/2023	10:15:00 PM	2135.7	129.7	21.2	130.2	20.7
7/26/2023	10:20:00 PM	1550	139.1	19.3	139.2	19
7/26/2023	10:25:00 PM	1107.5	150.5	10.5	147.4	9.9
7/26/2023	10:30:00 PM	786.5	154.6	9.3	156	8.7
7/26/2023	10:35:00 PM	555.4	124.6	16.2	124.3	15.8
7/26/2023	10:40:00 PM	388.7	119.7	19.1	119.6	18.7
7/26/2023	10:45:00 PM	274	123.8	14.6	122.9	14.2
7/26/2023	10:50:00 PM	194.5	119	5.5	122.7	0.6
7/26/2023	10:55:00 PM	142.3	4.2	6.4	1.9	5.9
7/26/2023	11:00:00 PM	115.8	12.6	13.1	12.2	11.9
7/26/2023	11:05:00 PM	106.6	24.1	14.5	24.5	14.1
7/26/2023	11:10:00 PM	99	44.6	9.9	41.4	9.4
7/26/2023	11:15:00 PM	77.3	334.1	3.2	324.4	1.1
7/26/2023	11:20:00 PM	68.8	63.6	5.3	95	3.2
7/26/2023	11:25:00 PM	50.8	135.8	13.5	136.7	13
7/26/2023	11:30:00 PM	33.1	121.6	18.6	122.2	18.4
7/26/2023	11:35:00 PM	24.1	108.5	13.6	109	13.4
7/26/2023	11:40:00 PM	22.1	116.5	12.1	116.5	11.9
7/26/2023	11:45:00 PM	17.4	100.3	15.3	100.6	15
7/26/2023	11:50:00 PM	10.6	87.7	20.1	87.5	19.3
7/26/2023	11:55:00 PM	20.4	68.6	20.4	68.8	20.1
Average		165.3	207	6.6	205.2	1.4
Max		5125	334.1	31.1	324.4	30.5
Max Hour		360257.3448	6592.675765	24.36151846	6493.778775	23.67709337
Min		10.6	4.2	0	1.9	0.3
Count		288	288	288	288	288
Total		47622.7	55860.8	1919.5	55872.7	1844.3

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/26/2023	12:00:00 AM	19.9	<	2.1	<	2
7/26/2023	12:05:00 AM	22.4	<	2.6	<	2.6
7/26/2023	12:10:00 AM	37.9	<	1.2	<	0.7
7/26/2023	12:15:00 AM	18.6	<	2.3	<	2.1
7/26/2023	12:20:00 AM	10.3	<	2.2	<	2.2
7/26/2023	12:25:00 AM	12.7	<	2.5	<	2.5
7/26/2023	12:30:00 AM	18	<	1.6	<	1.6
7/26/2023	12:35:00 AM	22	<	2.6	<	2.6
7/26/2023	12:40:00 AM	21.9	<	3.8	<	3.8
7/26/2023	12:45:00 AM	20	<	2.7	<	2.7
7/26/2023	12:50:00 AM	23.6	<	0.5	<	0.5
7/26/2023	12:55:00 AM	33.1	<	0	<	0
7/26/2023	1:00:00 AM	36.7	<	3.6	<	3.6
7/26/2023	1:05:00 AM	30.9	<	4	<	4
7/26/2023	1:10:00 AM	23	<	3.7	<	3.7
7/26/2023	1:15:00 AM	30.8	<	3.2	<	3.2
7/26/2023	1:20:00 AM	32.9	<	1.5	<	1.4
7/26/2023	1:25:00 AM	31.1	<	1.4	<	1.3
7/26/2023	1:30:00 AM	27.7	<	2.2	<	2.1
7/26/2023	1:35:00 AM	22.5	<	2.8	<	2.7
7/26/2023	1:40:00 AM	19.1	<	3.4	<	3.4
7/26/2023	1:45:00 AM	17.3	<	3.7	<	3.7
7/26/2023	1:50:00 AM	14.6	<	4.1	<	4
7/26/2023	1:55:00 AM	12.8	<	3	<	3
7/26/2023	2:00:00 AM	16.9	<	2	<	1.9
7/26/2023	2:05:00 AM	22	<	3	<	2.8
7/26/2023	2:10:00 AM	21.9	<	2.7	<	2.6
7/26/2023	2:15:00 AM	23.3	<	2.6	<	2.5
7/26/2023	2:20:00 AM	24.1	<	4.3	<	4.1
7/26/2023	2:25:00 AM	24.4	<	3.9	<	3.8
7/26/2023	2:30:00 AM	23.1	<	3.4	<	3.2
7/26/2023	2:35:00 AM	21.3	<	2.9	<	2.7
7/26/2023	2:40:00 AM	19.8	<	3.3	<	2.5
7/26/2023	2:45:00 AM	20.2	<	3.2	<	3
7/26/2023	2:50:00 AM	20.5	<	3.2	<	3.1
7/26/2023	2:55:00 AM	22.2	<	2.6	<	2.5
7/26/2023	3:00:00 AM	22.1	<	3.5	<	3.4
7/26/2023	3:05:00 AM	21.7	<	3.3	<	3.3
7/26/2023	3:10:00 AM	20.5	<	3.1	<	3
7/26/2023	3:15:00 AM	25.2	<	3.5	<	3.4
7/26/2023	3:20:00 AM	28.2	<	3.4	<	3.3
7/26/2023	3:25:00 AM	27.4	<	2.1	<	2.1
7/26/2023	3:30:00 AM	24.3	<	2.5	<	2.5
7/26/2023	3:35:00 AM	25.4	<	3.6	<	3.5
7/26/2023	3:40:00 AM	19.8	<	3.6	<	3.1
7/26/2023	3:45:00 AM	38.2	<	2.9	<	2.8
7/26/2023	3:50:00 AM	23.5	<	2.9	<	2.8
7/26/2023	3:55:00 AM	22.2	<	2.5	<	2.5
7/26/2023	4:00:00 AM	34.3	<	1.9	<	1.9
7/26/2023	4:05:00 AM	63.6	<	2.8	<	2.7
7/26/2023	4:10:00 AM	17.7	<	3.5	<	2.6
7/26/2023	4:15:00 AM	33.2	<	2	<	1.8
7/26/2023	4:20:00 AM	35.4	<	0.6	<	0.6

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	4:25:00 AM	29	<	1.3	<	1.2
7/26/2023	4:30:00 AM	15.2	<	1.6	<	1.6
7/26/2023	4:35:00 AM	27.7	<	1.5	<	1.5
7/26/2023	4:40:00 AM	38.8	<	1.9	<	1.9
7/26/2023	4:45:00 AM	36.9	<	2.4	<	2.3
7/26/2023	4:50:00 AM	21.9	<	3.4	<	3.4
7/26/2023	4:55:00 AM	23.8	<	3.3	<	3.3
7/26/2023	5:00:00 AM	32.8	<	2	<	1.9
7/26/2023	5:05:00 AM	35.4	<	3.9	<	3.8
7/26/2023	5:10:00 AM	40.1	<	3.1	<	2.9
7/26/2023	5:15:00 AM	33.5	<	2	<	1.9
7/26/2023	5:20:00 AM	40.3	<	1.6	<	1.3
7/26/2023	5:25:00 AM	33	<	3.4	<	3.4
7/26/2023	5:30:00 AM	28.3	<	0.7	<	0.7
7/26/2023	5:35:00 AM	45.3	<	1.6	<	1.5
7/26/2023	5:40:00 AM	21.8	<	2	<	1.8
7/26/2023	5:45:00 AM	24.7	<	1.5	<	1.5
7/26/2023	5:50:00 AM	32.6	<	2.7	<	2.6
7/26/2023	5:55:00 AM	45.4	<	4.2	<	4.2
7/26/2023	6:00:00 AM	48.7	<	4	<	4
7/26/2023	6:05:00 AM	53.7	<	4	<	4
7/26/2023	6:10:00 AM	49.9	<	3.5	<	3.5
7/26/2023	6:15:00 AM	57.7	<	2.8	<	2.6
7/26/2023	6:20:00 AM	113.5	<	1.9	<	1.7
7/26/2023	6:25:00 AM	150.6	<	1.5	<	1.3
7/26/2023	6:30:00 AM	128.1	<	2.5	<	2.4
7/26/2023	6:35:00 AM	130.7	<	2.7	<	2.5
7/26/2023	6:40:00 AM	191.9	<	1.5	<	1.5
7/26/2023	6:45:00 AM	165.5	<	0.9	<	0.7
7/26/2023	6:50:00 AM	96.9	<	2.2	<	2.2
7/26/2023	6:55:00 AM	68.8	<	2	<	2
7/26/2023	7:00:00 AM	56	<	1.1	<	0.9
7/26/2023	7:05:00 AM	78.8	<	2.4	<	2.4
7/26/2023	7:10:00 AM	99.8	<	3.4	<	3.3
7/26/2023	7:15:00 AM	45.9	<	2.9	<	2.8
7/26/2023	7:20:00 AM	23.9	<	2.6	<	2.3
7/26/2023	7:25:00 AM	31.9	<	2.1	<	2
7/26/2023	7:30:00 AM	29.4	<	3.3	<	3.2
7/26/2023	7:35:00 AM	41.4	<	4.4	<	4.4
7/26/2023	7:40:00 AM	46.3	<	4.9	<	4.8
7/26/2023	7:45:00 AM	59.9	<	3.7	<	3.5
7/26/2023	7:50:00 AM	63.4	<	5.6	<	5.4
7/26/2023	7:55:00 AM	56.9	<	3.8	<	3.7
7/26/2023	8:00:00 AM	49.8	<	3.4	<	3.2
7/26/2023	8:05:00 AM	47.7	<	2.7	<	2.4
7/26/2023	8:10:00 AM	52.8	<	2.9	<	2.7
7/26/2023	8:15:00 AM	48.3	<	3.2	<	3.1
7/26/2023	8:20:00 AM	52.7	<	4.8	<	4.7
7/26/2023	8:25:00 AM	61.3	<	5.3	<	5
7/26/2023	8:30:00 AM	60.2	<	4.1	<	3.9
7/26/2023	8:35:00 AM	37.7	<	4.2	<	3.9
7/26/2023	8:40:00 AM	47.2	<	3.4	<	2.9
7/26/2023	8:45:00 AM	61	<	5	<	4.9

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	8:50:00 AM	52.8	<	4.5	<	4.4
7/26/2023	8:55:00 AM	48.5	<	4.4	<	4.3
7/26/2023	9:00:00 AM	45	<	3.9	<	3.8
7/26/2023	9:05:00 AM	70.1	<	4.1	<	3.9
7/26/2023	9:10:00 AM	70	<	5.2	<	4.7
7/26/2023	9:15:00 AM	48.7	<	5.3	<	5.1
7/26/2023	9:20:00 AM	49.6	<	6.8	<	6.7
7/26/2023	9:25:00 AM	54.3	<	7.1	<	7
7/26/2023	9:30:00 AM	56.8	<	6.1	<	6
7/26/2023	9:35:00 AM	59.4	<	7.5	<	7.3
7/26/2023	9:40:00 AM	49.9	<	7.2	<	6.9
7/26/2023	9:45:00 AM	59.4	<	7.3	<	7.1
7/26/2023	9:50:00 AM	50.5	<	7.9	<	7.7
7/26/2023	9:55:00 AM	53.2	<	7.8	<	7.6
7/26/2023	10:00:00 AM	63.5	<	7.7	<	7.3
7/26/2023	10:05:00 AM	52.4	<	8.6	<	7.6
7/26/2023	10:10:00 AM	38.4	<	7.8	<	7.6
7/26/2023	10:15:00 AM	60.8	<	8.3	<	8.1
7/26/2023	10:20:00 AM	53.6	<	6.4	<	6
7/26/2023	10:25:00 AM	53.5	<	6.3	<	6.1
7/26/2023	10:30:00 AM	55.7	<	5.6	<	5.4
7/26/2023	10:35:00 AM	53.1	<	6.7	<	6.4
7/26/2023	10:40:00 AM	37.6	<	7.2	<	7.1
7/26/2023	10:45:00 AM	28.1	<	6.2	<	5.9
7/26/2023	10:50:00 AM	41.5	<	4.9	<	4.5
7/26/2023	10:55:00 AM	61.7	<	6.5	<	6.4
7/26/2023	11:00:00 AM	69.1	<	7.7	<	7.5
7/26/2023	11:05:00 AM	73.8	<	10.1	<	9.8
7/26/2023	11:10:00 AM	95.5	<	7.6	<	7.2
7/26/2023	11:15:00 AM	94.5	<	8.9	<	8.6
7/26/2023	11:20:00 AM	86.6	<	8.4	<	8.3
7/26/2023	11:25:00 AM	63.7	<	6.3	<	6
7/26/2023	11:30:00 AM	41.2	<	8.2	<	7.8
7/26/2023	11:35:00 AM	46.6	<	4.3	<	4.1
7/26/2023	11:40:00 AM	60.6	<	7.5	<	7.2
7/26/2023	11:45:00 AM	48.3	<	4	<	3.4
7/26/2023	11:50:00 AM	31.2	<	5.7	<	4.8
7/26/2023	11:55:00 AM	71.3	<	5.4	<	5
7/26/2023	12:00:00 PM	92	<	5.4	<	4.7
7/26/2023	12:05:00 PM	99.8	<	6.9	<	6.1
7/26/2023	12:10:00 PM	113.6	<	7.8	<	7.6
7/26/2023	12:15:00 PM	100.8	<	6.3	<	5.4
7/26/2023	12:20:00 PM	85.6	<	9.9	<	9.7
7/26/2023	12:25:00 PM	117.8	<	7.1	<	6.5
7/26/2023	12:30:00 PM	170.6	<	9.1	<	7.6
7/26/2023	12:35:00 PM	115.2	<	9	<	7.8
7/26/2023	12:40:00 PM	132.3	<	10.3	<	9.9
7/26/2023	12:45:00 PM	178.9	<	7.7	<	7.3
7/26/2023	12:50:00 PM	161.8	<	7.5	<	6.6
7/26/2023	12:55:00 PM	118.5	<	10.2	<	9.6
7/26/2023	1:00:00 PM	124.1	<	9.3	<	9.1
7/26/2023	1:05:00 PM	101.5	<	9.5	<	8.9
7/26/2023	1:10:00 PM	67.1	<	7.6	<	6.8

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	1:15:00 PM	63.6	<	11.2	<	10.8
7/26/2023	1:20:00 PM	72.5	<	11.9	<	11.2
7/26/2023	1:25:00 PM	85.2	<	6.7	<	6.1
7/26/2023	1:30:00 PM	73.6	<	8.2	<	7.4
7/26/2023	1:35:00 PM	66.7	<	10.3	<	4.8
7/26/2023	1:40:00 PM	16.2	<	10.9	<	10.7
7/26/2023	1:45:00 PM	9.6	<	11.8	<	11.6
7/26/2023	1:50:00 PM	13.6	<	10.4	<	10
7/26/2023	1:55:00 PM	18.8	<	5.8	<	5.4
7/26/2023	2:00:00 PM	35	<	6	<	5.4
7/26/2023	2:05:00 PM	53.7	<	10	<	9.4
7/26/2023	2:10:00 PM	44.7	<	8.3	<	7.9
7/26/2023	2:15:00 PM	34.6	<	7.5	<	6.8
7/26/2023	2:20:00 PM	35.6	<	5.2	<	4.2
7/26/2023	2:25:00 PM	41.6	<	8.3	<	8.2
7/26/2023	2:30:00 PM	136.2	<	5.1	<	4.9
7/26/2023	2:35:00 PM	276.6	<	8.6	<	7.7
7/26/2023	2:40:00 PM	179.6	<	12.2	<	12
7/26/2023	2:45:00 PM	121.7	<	9	<	8.7
7/26/2023	2:50:00 PM	58.4	<	4.8	<	4.3
7/26/2023	2:55:00 PM	44.9	<	5.5	<	5.1
7/26/2023	3:00:00 PM	40.3	<	7.4	<	7.2
7/26/2023	3:05:00 PM	54.5	<	11.4	<	11.2
7/26/2023	3:10:00 PM	145.4	<	10.7	<	10.5
7/26/2023	3:15:00 PM	91.5	<	8.8	<	6.8
7/26/2023	3:20:00 PM	54.7	<	8.9	<	8.6
7/26/2023	3:25:00 PM	32.3	<	9.7	<	9.3
7/26/2023	3:30:00 PM	23.5	<	7.2	<	6.6
7/26/2023	3:35:00 PM	25.2	<	7.2	<	6.9
7/26/2023	3:40:00 PM	49	<	7.1	<	6.9
7/26/2023	3:45:00 PM	45.4	<	8.7	<	8.6
7/26/2023	3:50:00 PM	36.1	<	8.4	<	7.9
7/26/2023	3:55:00 PM	59.4	<	11.8	<	11.6
7/26/2023	4:00:00 PM	169.8	<	10.7	<	10.5
7/26/2023	4:05:00 PM	259.4	<	10	<	9.7
7/26/2023	4:10:00 PM	153.3	<	6.3	<	5.8
7/26/2023	4:15:00 PM	83.7	<	5.1	<	3.2
7/26/2023	4:20:00 PM	392.9	<	8.5	<	8.3
7/26/2023	4:25:00 PM	425.5	<	10.6	<	10.3
7/26/2023	4:30:00 PM	207.3	<	10.8	<	10.5
7/26/2023	4:35:00 PM	103.2	<	8	<	7.8
7/26/2023	4:40:00 PM	106.6	<	11.7	<	11.3
7/26/2023	4:45:00 PM	77.9	<	6.8	<	6.7
7/26/2023	4:50:00 PM	43.8	<	7.6	<	7.3
7/26/2023	4:55:00 PM	30.5	<	8.2	<	7.5
7/26/2023	5:00:00 PM	19.2	<	8.4	<	8.2
7/26/2023	5:05:00 PM	13.9	<	9.7	<	9.6
7/26/2023	5:10:00 PM	18.4	<	6	<	5.8
7/26/2023	5:15:00 PM	24.4	<	8	<	7.7
7/26/2023	5:20:00 PM	18.9	<	9.1	<	8.6
7/26/2023	5:25:00 PM	22.5	<	9.9	<	9.8
7/26/2023	5:30:00 PM	37.6	<	7.1	<	7
7/26/2023	5:35:00 PM	47.1	<	7.9	<	7.7

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	5:40:00 PM	34.9	<	9.3	<	9.1
7/26/2023	5:45:00 PM	33.4	<	8.7	<	8.5
7/26/2023	5:50:00 PM	33.3	<	8.7	<	8.5
7/26/2023	5:55:00 PM	32.8	<	9.1	<	8.8
7/26/2023	6:00:00 PM	145.5	<	8.4	<	8.3
7/26/2023	6:05:00 PM	220.2	<	8.3	<	8.1
7/26/2023	6:10:00 PM	304.6	<	9.1	<	8.8
7/26/2023	6:15:00 PM	200.2	<	7.2	<	7.1
7/26/2023	6:20:00 PM	96.8	<	11	<	10.9
7/26/2023	6:25:00 PM	52.7	<	10.5	<	10.4
7/26/2023	6:30:00 PM	41.8	<	9.3	<	9.2
7/26/2023	6:35:00 PM	38.2	<	10.6	<	10.4
7/26/2023	6:40:00 PM	31.6	<	9.7	<	9.6
7/26/2023	6:45:00 PM	28.2	<	8.5	<	8.4
7/26/2023	6:50:00 PM	40.8	<	8.6	<	8.5
7/26/2023	6:55:00 PM	115.8	<	9.8	<	9.7
7/26/2023	7:00:00 PM	333	<	9.9	<	9.8
7/26/2023	7:05:00 PM	231.3	<	10.2	<	10
7/26/2023	7:10:00 PM	114.3	<	7.8	<	7.7
7/26/2023	7:15:00 PM	65.4	<	8.7	<	8.6
7/26/2023	7:20:00 PM	93.4	<	8.1	<	7.9
7/26/2023	7:25:00 PM	108	<	8.5	<	8.4
7/26/2023	7:30:00 PM	156.5	<	8.8	<	8.7
7/26/2023	7:35:00 PM	97.1	<	8.8	<	8.7
7/26/2023	7:40:00 PM	54.9	<	6.7	<	6.6
7/26/2023	7:45:00 PM	82.7	<	8.1	<	8.1
7/26/2023	7:50:00 PM	129.1	<	8.1	<	8
7/26/2023	7:55:00 PM	79.6	<	7.2	<	7.1
7/26/2023	8:00:00 PM	47.7	<	7	<	7
7/26/2023	8:05:00 PM	35.3	<	6.6	<	6.5
7/26/2023	8:10:00 PM	32.4	<	6	<	5.9
7/26/2023	8:15:00 PM	36.2	<	5.8	<	5.8
7/26/2023	8:20:00 PM	49.1	<	5.8	<	5.7
7/26/2023	8:25:00 PM	51.8	<	6.2	<	6.1
7/26/2023	8:30:00 PM	47.6	<	5.1	<	5.1
7/26/2023	8:35:00 PM	46.3	<	4	<	3.7
7/26/2023	8:40:00 PM	42.3	<	6.9	<	6.5
7/26/2023	8:45:00 PM	31	<	8.3	<	7.9
7/26/2023	8:50:00 PM	3.7	<	7.4	<	7.2
7/26/2023	8:55:00 PM	16.2	<	5.5	<	5.4
7/26/2023	9:00:00 PM	28.9	<	6.3	<	6
7/26/2023	9:05:00 PM	27.7	<	5.9	<	5.6
7/26/2023	9:10:00 PM	14.8	<	6.4	<	6
7/26/2023	9:15:00 PM	18.1	<	8.3	<	8
7/26/2023	9:20:00 PM	23.1	<	4.6	<	4.4
7/26/2023	9:25:00 PM	21.1	<	5.5	<	5.3
7/26/2023	9:30:00 PM	25.3	<	7.3	<	7.2
7/26/2023	9:35:00 PM	18.9	<	7.9	<	7.7
7/26/2023	9:40:00 PM	14.6	<	6.4	<	6.3
7/26/2023	9:45:00 PM	10.1	<	5.6	<	5.4
7/26/2023	9:50:00 PM	7.5	<	5.8	<	5.6
7/26/2023	9:55:00 PM	8.1	<	4.5	<	4.4
7/26/2023	10:00:00 PM	12.9	<	4	<	3.8

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/26/2023	10:05:00 PM	19.8	<	4	<	3.8
7/26/2023	10:10:00 PM	13.1	<	5.1	<	4.9
7/26/2023	10:15:00 PM	10.9	<	4.1	<	3.9
7/26/2023	10:20:00 PM	13.3	<	2.2	<	2
7/26/2023	10:25:00 PM	21.3	<	1.8	<	1.6
7/26/2023	10:30:00 PM	50	<	3.1	<	3
7/26/2023	10:35:00 PM	69.4	<	5.5	<	5.4
7/26/2023	10:40:00 PM	48.4	<	23	<	22.1
7/26/2023	10:45:00 PM	560.2	<	27.5	<	27
7/26/2023	10:50:00 PM	5137.3	<	32.9	<	32.4
7/26/2023	10:55:00 PM	5704.6	<	24.6	<	24.1
7/26/2023	11:00:00 PM	3053.5	<	29.6	<	28.9
7/26/2023	11:05:00 PM	1760.3	<	24.1	<	23.7
7/26/2023	11:10:00 PM	980.2	<	15.3	<	15
7/26/2023	11:15:00 PM	479.4	<	14.5	<	14.2
7/26/2023	11:20:00 PM	205.1	<	10.3	<	9.8
7/26/2023	11:25:00 PM	120.3	<	9.8	<	9.5
7/26/2023	11:30:00 PM	88.2	<	5.8	<	5.5
7/26/2023	11:35:00 PM	71.4	<	7.5	<	6.5
7/26/2023	11:40:00 PM	100.8	<	5	<	5
7/26/2023	11:45:00 PM	72.2	<	5.1	<	5
7/26/2023	11:50:00 PM	51.6	<	3.7	<	3.7
7/26/2023	11:55:00 PM	33.9	<	6.7	<	5.8
Average		121.4		6.3		6.0
Max		5704.6	0	32.9	0	32.4
Max Hour						
Min		3.7	0	0	0	0
Count		288	0	288	0	288
Total						

Site: Central Phoenix						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	12:00:00 AM	83.7	242.5	3.9	242.7	3.8
8/31/2023	12:05:00 AM	79.2	251	5.2	250.7	5.1
8/31/2023	12:10:00 AM	74.7	249.7	4.3	250.4	4.2
8/31/2023	12:15:00 AM	70.4	260.1	3.8	258.2	3.7
8/31/2023	12:20:00 AM	66.4	271.9	3.2	270.6	3.1
8/31/2023	12:25:00 AM	62.8	276.2	3.6	274.5	3.3
8/31/2023	12:30:00 AM	58.7	296.4	4.3	296.2	4.2
8/31/2023	12:35:00 AM	57.4	300.7	4.8	299.8	4.4
8/31/2023	12:40:00 AM	53.6	315.7	3.5	314.9	3.3
8/31/2023	12:45:00 AM	52.1	300.5	4.6	301.7	4.3
8/31/2023	12:50:00 AM	52.3	295.5	3.8	295.7	3.6
8/31/2023	12:55:00 AM	52.5	293.1	3.6	295.8	3.4
8/31/2023	1:00:00 AM	50.7	313	3.2	310.7	3
8/31/2023	1:05:00 AM	48.3	302.3	3.9	298.8	3.6
8/31/2023	1:10:00 AM	44.1	13.5	3.9	13.4	3.8
8/31/2023	1:15:00 AM	44	24.8	3.4	22.9	3.2
8/31/2023	1:20:00 AM	52.4	21.9	3.8	23.4	3.6
8/31/2023	1:25:00 AM	65.3	34.7	5.1	35.3	4.9
8/31/2023	1:30:00 AM	78.8	39.5	3.4	39.3	3.4
8/31/2023	1:35:00 AM	91.8	50.6	4.4	50.7	4.3
8/31/2023	1:40:00 AM	108.7	45.3	5.4	45.5	5.3
8/31/2023	1:45:00 AM	128.3	38.3	4.2	38.3	4
8/31/2023	1:50:00 AM	146	47.8	4.4	47.4	4.3
8/31/2023	1:55:00 AM	161.8	57.5	4.6	57.3	4.5
8/31/2023	2:00:00 AM	171.5	64.8	5.2	63.9	5.1
8/31/2023	2:05:00 AM	175.7	57.5	4.1	56.8	4
8/31/2023	2:10:00 AM	176.5	73.5	3.1	74.4	3
8/31/2023	2:15:00 AM	172.6	79.7	3.8	81.4	3.7
8/31/2023	2:20:00 AM	163.3	74	3	74.6	2.9
8/31/2023	2:25:00 AM	152	58.5	2.2	60.3	2.1
8/31/2023	2:30:00 AM	142.4	67.4	2.8	66.4	2.8
8/31/2023	2:35:00 AM	134.9	68.8	4	69.1	3.9
8/31/2023	2:40:00 AM	128.4	73.5	5.3	74	5.1
8/31/2023	2:45:00 AM	117	83.4	4.8	84.2	4.7
8/31/2023	2:50:00 AM	103.4	102.7	4.4	101.4	4.2
8/31/2023	2:55:00 AM	90.5	96.9	3.4	95.3	3.2
8/31/2023	3:00:00 AM	81.5	55.3	5.4	54.9	5.3
8/31/2023	3:05:00 AM	75.9	52.4	5.5	52.3	5.4
8/31/2023	3:10:00 AM	72.9	52.4	5.7	52.6	5.6
8/31/2023	3:15:00 AM	69.7	45.2	4.5	46.2	4.4
8/31/2023	3:20:00 AM	69.2	46.6	4.7	47.6	4.6
8/31/2023	3:25:00 AM	69.4	66.6	4.5	66.7	4.3
8/31/2023	3:30:00 AM	68.2	59.3	3.9	59.2	3.8
8/31/2023	3:35:00 AM	64.9	43.8	3.6	44.4	3.5
8/31/2023	3:40:00 AM	61.3	20.4	2.5	24.9	2.3
8/31/2023	3:45:00 AM	59.2	19.9	3.3	18.8	3.1
8/31/2023	3:50:00 AM	58.3	23.5	3.3	23.9	3.1
8/31/2023	3:55:00 AM	57.5	30.4	4.1	30.5	4
8/31/2023	4:00:00 AM	56.5	28.7	4.5	28.3	4.3
8/31/2023	4:05:00 AM	54.9	39.2	3.6	38.8	3.5
8/31/2023	4:10:00 AM	53.3	41	3.2	41.2	3
8/31/2023	4:15:00 AM	50.9	40.6	3.5	41.3	3.4
8/31/2023	4:20:00 AM	49.1	27.9	2.1	23.8	2

Site: Central Phoenix						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	4:25:00 AM	47.9	38.4	3	38.6	2.9
8/31/2023	4:30:00 AM	46.4	45.7	2.7	47.4	2.7
8/31/2023	4:35:00 AM	45.6	54	3.6	55.4	3.5
8/31/2023	4:40:00 AM	44.9	66.6	3.9	67.3	3.8
8/31/2023	4:45:00 AM	44.2	68.5	3.8	68.8	3.7
8/31/2023	4:50:00 AM	43.1	68.9	3.7	68.8	3.6
8/31/2023	4:55:00 AM	41.8	47.5	3.1	49	2.9
8/31/2023	5:00:00 AM	40.9	24.5	2.9	26.2	2.8
8/31/2023	5:05:00 AM	40.9	31.7	3.7	30.1	3.5
8/31/2023	5:10:00 AM	40.4	47.8	4.5	48.2	4.4
8/31/2023	5:15:00 AM	39.7	54.3	3.2	52.6	3.2
8/31/2023	5:20:00 AM	39.9	117.9	1.3	103.2	0.8
8/31/2023	5:25:00 AM	39.1	117.7	2.6	112.6	2.4
8/31/2023	5:30:00 AM	37.8	49.3	3	50.4	2.9
8/31/2023	5:35:00 AM	37.2	45.6	3.3	46.5	3.2
8/31/2023	5:40:00 AM	37.5	53.1	3.1	53.3	3
8/31/2023	5:45:00 AM	37	54.1	2.1	54.1	2
8/31/2023	5:50:00 AM	36.9	46.1	2.8	45.7	2.8
8/31/2023	5:55:00 AM	35.8	49.4	2.8	49.7	2.8
8/31/2023	6:00:00 AM	35.7	37.4	2.8	37.1	2.7
8/31/2023	6:05:00 AM	35.6	46.8	3.7	47.3	3.6
8/31/2023	6:10:00 AM	35.7	42.2	2.9	42	2.8
8/31/2023	6:15:00 AM	36.3	60.5	3.1	60.2	3
8/31/2023	6:20:00 AM	37	69.3	3.5	69.4	3.4
8/31/2023	6:25:00 AM	37.7	68.7	2.4	68.4	2.3
8/31/2023	6:30:00 AM	37.5	67.3	2.4	67.3	2.4
8/31/2023	6:35:00 AM	37.3	63.9	3.7	63.4	3.6
8/31/2023	6:40:00 AM	37.7	71.9	3	71.9	2.9
8/31/2023	6:45:00 AM	38.8	81	2.5	81.5	2.5
8/31/2023	6:50:00 AM	39.7	69.1	2.9	68.7	2.8
8/31/2023	6:55:00 AM	41.3	90.7	3	90.3	3
8/31/2023	7:00:00 AM	44.2	102.4	3.2	101.8	3.1
8/31/2023	7:05:00 AM	46.8	100.3	2.1	101.8	2
8/31/2023	7:10:00 AM	48.2	113.4	3.5	112.5	3.4
8/31/2023	7:15:00 AM	48.4	100	3.6	100	3.4
8/31/2023	7:20:00 AM	47.8	98.1	3.4	99.2	3.2
8/31/2023	7:25:00 AM	47.9	107.6	2.1	103.8	2
8/31/2023	7:30:00 AM	47.7	117.4	2.5	116.9	2.3
8/31/2023	7:35:00 AM	47.3	134.9	5.8	136.5	5.6
8/31/2023	7:40:00 AM	46.3	140.6	6.4	141.3	6.3
8/31/2023	7:45:00 AM	45	138.5	6	138.4	5.8
8/31/2023	7:50:00 AM	44	126	5.2	128.2	4.9
8/31/2023	7:55:00 AM	44	138.5	6.3	139.1	6.2
8/31/2023	8:00:00 AM	45.5	141.6	5.7	141.4	5.7
8/31/2023	8:05:00 AM	46.5	116.3	5	116.3	4.7
8/31/2023	8:10:00 AM	47.5	119	4.9	118.8	4.7
8/31/2023	8:15:00 AM	48.3	134.3	4.1	138.6	3.8
8/31/2023	8:20:00 AM	49.2	131.2	4	126.8	3.8
8/31/2023	8:25:00 AM	50.7	146.8	4.7	148.6	4.6
8/31/2023	8:30:00 AM	50.8	139	5.8	137.9	5.7
8/31/2023	8:35:00 AM	51	129.1	6.1	130.3	5.8
8/31/2023	8:40:00 AM	51.6	107.2	4.3	110.5	4
8/31/2023	8:45:00 AM	51.1	131	4.7	129.4	4.5

Site: Central Phoenix						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	8:50:00 AM	50.1	106.9	3.6	104	3.3
8/31/2023	8:55:00 AM	48.8	123.5	3.4	122.2	3.1
8/31/2023	9:00:00 AM	46.2	158.8	3.6	158.7	3.5
8/31/2023	9:05:00 AM	43	175.5	2.7	166.9	2.2
8/31/2023	9:10:00 AM	40.4	119.2	1.2	141	0.9
8/31/2023	9:15:00 AM	38.8	135.2	4.5	136.4	4.1
8/31/2023	9:20:00 AM	37.4	111.1	2.4	108.9	2.3
8/31/2023	9:25:00 AM	36.9	71.9	2.1	66.6	1.6
8/31/2023	9:30:00 AM	36.2	92	1.4	95.1	1.2
8/31/2023	9:35:00 AM	36.1	137.1	3.3	136.2	3.1
8/31/2023	9:40:00 AM	35.6	149.4	2.3	141.6	2.2
8/31/2023	9:45:00 AM	35.1	<	<	<	<
8/31/2023	9:50:00 AM	33.6	<	<	<	<
8/31/2023	9:55:00 AM	32.7	<	<	<	<
8/31/2023	10:00:00 AM	32.7	<	<	<	<
8/31/2023	10:05:00 AM	34.8	<	<	<	<
8/31/2023	10:10:00 AM	36.2	<	<	<	<
8/31/2023	10:15:00 AM	35.6	<	<	<	<
8/31/2023	10:20:00 AM	36	<	<	<	<
8/31/2023	10:25:00 AM	35.3	<	<	<	<
8/31/2023	10:30:00 AM	34.4	256.5	8.3	255.7	8.1
8/31/2023	10:35:00 AM	36.8	230.8	4.2	245.7	2.9
8/31/2023	10:40:00 AM	40.3	276.6	4.8	271.2	4.4
8/31/2023	10:45:00 AM	43.8	265.6	2.5	265.3	2
8/31/2023	10:50:00 AM	46.5	311.2	3.9	301	3.5
8/31/2023	10:55:00 AM	48.6	261	6.6	259.4	5.9
8/31/2023	11:00:00 AM	47.8	255.8	8.7	258.9	8.1
8/31/2023	11:05:00 AM	43.6	268	7.1	271.8	6.7
8/31/2023	11:10:00 AM	41.5	288.8	9.4	290	8.8
8/31/2023	11:15:00 AM	41.1	252.6	8.3	252.2	8.1
8/31/2023	11:20:00 AM	39.9	236.3	5.8	240.3	4.9
8/31/2023	11:25:00 AM	37.8	221.7	6.5	218.1	5.3
8/31/2023	11:30:00 AM	36	308.8	6.6	314.5	6
8/31/2023	11:35:00 AM	32.8	280	9.1	280.1	8.7
8/31/2023	11:40:00 AM	30.6	277.1	5.9	275.7	5.7
8/31/2023	11:45:00 AM	28.7	305.5	6.5	305.4	6.2
8/31/2023	11:50:00 AM	26	309.2	4.9	313.3	4.4
8/31/2023	11:55:00 AM	23.7	256.5	8.2	257.4	7.9
8/31/2023	12:00:00 PM	22.8	263	7.4	265.8	6.8
8/31/2023	12:05:00 PM	22.8	282.3	11	282.2	10.7
8/31/2023	12:10:00 PM	23.5	274	10	274.5	9.6
8/31/2023	12:15:00 PM	24.7	270.5	8.7	271.4	8.2
8/31/2023	12:20:00 PM	26.8	267.4	9	268.5	8.5
8/31/2023	12:25:00 PM	29.9	275.5	9.8	277.5	9
8/31/2023	12:30:00 PM	32.5	257.6	7.1	257.7	6.3
8/31/2023	12:35:00 PM	32.3	304.4	6.9	301.7	6.1
8/31/2023	12:40:00 PM	31.3	270.3	6.1	271.3	5.5
8/31/2023	12:45:00 PM	29.5	299.8	6.5	299.6	6
8/31/2023	12:50:00 PM	28.3	289.3	4.8	277	4.1
8/31/2023	12:55:00 PM	26.6	286.5	3.3	274.9	1.7
8/31/2023	1:00:00 PM	26.9	254.8	7.7	257.6	7.4
8/31/2023	1:05:00 PM	28.8	252.4	8.5	251.6	8
8/31/2023	1:10:00 PM	31.1	243.2	9.8	240.8	9.3

Site: Central Phoenix						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	1:15:00 PM	34.3	251.7	10.1	253.4	9.7
8/31/2023	1:20:00 PM	35.8	263.3	8.5	263.7	8.2
8/31/2023	1:25:00 PM	36.2	252.9	7.1	253.6	6.9
8/31/2023	1:30:00 PM	34.8	269.3	9.9	269.8	9.5
8/31/2023	1:35:00 PM	32.9	279.4	8.9	278.8	8.4
8/31/2023	1:40:00 PM	30.5	279	8.9	279.5	8.6
8/31/2023	1:45:00 PM	28.6	259.9	7.5	260.2	7.2
8/31/2023	1:50:00 PM	28.4	264.1	9.7	264	9
8/31/2023	1:55:00 PM	27.6	260.8	10.2	261.3	10
8/31/2023	2:00:00 PM	27.4	271.5	7.8	271.2	7.1
8/31/2023	2:05:00 PM	26.7	274.7	10.4	274.8	9.8
8/31/2023	2:10:00 PM	27	301.4	8.4	302.4	8
8/31/2023	2:15:00 PM	28.2	251.9	8.7	250.8	8.2
8/31/2023	2:20:00 PM	28.8	273	8.1	272.6	7.9
8/31/2023	2:25:00 PM	27.5	277.7	6.6	274.6	6.2
8/31/2023	2:30:00 PM	28.9	263.7	8.4	264	8.1
8/31/2023	2:35:00 PM	29.8	282.6	10.4	283.9	9.8
8/31/2023	2:40:00 PM	30.3	262.4	10.9	261	10.5
8/31/2023	2:45:00 PM	30.4	282.4	9.2	277.4	8.7
8/31/2023	2:50:00 PM	29.4	267.3	8.6	266.7	8.1
8/31/2023	2:55:00 PM	30	265.3	11	265.2	10.7
8/31/2023	3:00:00 PM	31.2	261.2	11.5	260.9	11.3
8/31/2023	3:05:00 PM	32.5	255.2	9.3	258.2	9
8/31/2023	3:10:00 PM	32.9	270.8	9.5	269.1	9.2
8/31/2023	3:15:00 PM	33.1	272	9.7	273	9.3
8/31/2023	3:20:00 PM	35	274	11.9	273.6	11.5
8/31/2023	3:25:00 PM	37.4	271.3	13.5	271.1	13
8/31/2023	3:30:00 PM	40.2	284.8	10.3	286	9.8
8/31/2023	3:35:00 PM	43	264.5	13	264.9	12.2
8/31/2023	3:40:00 PM	48.9	251.1	13.1	245.8	12.1
8/31/2023	3:45:00 PM	54.2	265.5	13.2	264.5	12.8
8/31/2023	3:50:00 PM	55.5	258	11	257.9	10.7
8/31/2023	3:55:00 PM	56	239.8	13.8	239.8	13.5
8/31/2023	4:00:00 PM	55.5	248	8.1	249.2	7.6
8/31/2023	4:05:00 PM	52.3	264.4	12.2	264.5	11.7
8/31/2023	4:10:00 PM	48.3	251.1	12.9	250.6	12.6
8/31/2023	4:15:00 PM	44.9	251.4	9.5	251.6	9.2
8/31/2023	4:20:00 PM	41.7	257.7	10	256.9	9.8
8/31/2023	4:25:00 PM	38.9	266.7	11.5	266.6	10.9
8/31/2023	4:30:00 PM	36.9	273.5	9.9	273.7	9.1
8/31/2023	4:35:00 PM	35.6	251	9.9	251.9	9.7
8/31/2023	4:40:00 PM	35.3	263.9	9.4	262.3	9.2
8/31/2023	4:45:00 PM	35.2	261.4	9.7	262.4	9.4
8/31/2023	4:50:00 PM	34.6	248.2	11.4	248.1	11.2
8/31/2023	4:55:00 PM	34.7	256.7	9.5	256.1	9.3
8/31/2023	5:00:00 PM	34.6	250	11.4	250.2	11
8/31/2023	5:05:00 PM	35.6	263.5	10.5	261.9	10
8/31/2023	5:10:00 PM	35.8	269.1	9.5	271.4	9
8/31/2023	5:15:00 PM	36.7	262.1	10.3	262.9	10
8/31/2023	5:20:00 PM	38.4	268.1	10.3	267.8	10
8/31/2023	5:25:00 PM	38.3	273.1	9.1	272.7	8.8
8/31/2023	5:30:00 PM	35.4	269.8	7.2	273.3	6.7
8/31/2023	5:35:00 PM	36	259.4	10.7	258.3	10.3

Site: Central Phoenix						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	5:40:00 PM	39.3	256.4	10.2	256.1	10
8/31/2023	5:45:00 PM	40.7	261.9	11.8	260.9	10.9
8/31/2023	5:50:00 PM	42.5	252.7	10.8	252.9	10.5
8/31/2023	5:55:00 PM	42.7	267.9	12	268.4	11.6
8/31/2023	6:00:00 PM	42.4	257.1	10.9	257.8	10.5
8/31/2023	6:05:00 PM	42.1	263.8	11.6	264.2	11.3
8/31/2023	6:10:00 PM	41.6	263.1	10.7	263.6	10.4
8/31/2023	6:15:00 PM	41.1	262.3	10.3	262.9	9.9
8/31/2023	6:20:00 PM	39.7	266.5	11	265.2	10.7
8/31/2023	6:25:00 PM	38.3	266	10.4	265.3	10.1
8/31/2023	6:30:00 PM	37	262.4	11.7	262.1	11.3
8/31/2023	6:35:00 PM	38	261.1	9.5	261.1	9.2
8/31/2023	6:40:00 PM	39.6	273.3	7.9	273.8	7.7
8/31/2023	6:45:00 PM	40.7	262.2	9.8	261.3	9.5
8/31/2023	6:50:00 PM	41.6	265.1	9.5	265.2	9.3
8/31/2023	6:55:00 PM	42.2	263.4	9.1	264.6	8.8
8/31/2023	7:00:00 PM	41.8	269.7	10.1	268.9	9.8
8/31/2023	7:05:00 PM	41.5	261.2	9.6	260.8	9.4
8/31/2023	7:10:00 PM	42.1	275.1	10	275.6	9.7
8/31/2023	7:15:00 PM	41.6	270.4	11.5	270.4	11.3
8/31/2023	7:20:00 PM	40.4	261.1	9.7	260.9	9.4
8/31/2023	7:25:00 PM	40.3	250	9.9	249.4	9.6
8/31/2023	7:30:00 PM	41.9	258	8.6	258.2	8.1
8/31/2023	7:35:00 PM	42.1	266.1	9.3	266.5	9
8/31/2023	7:40:00 PM	43.1	260.8	7	261.3	6.6
8/31/2023	7:45:00 PM	42.8	261.4	9.7	262.1	9.4
8/31/2023	7:50:00 PM	41.4	255.3	8.9	256.4	8.6
8/31/2023	7:55:00 PM	40.9	240.7	8.1	240.7	7.8
8/31/2023	8:00:00 PM	40.4	250.4	10.3	250.1	10
8/31/2023	8:05:00 PM	38.7	243.8	9.3	243.8	9.1
8/31/2023	8:10:00 PM	36.4	242.3	8.9	242.8	8.6
8/31/2023	8:15:00 PM	34.5	243.1	7.9	242.5	7.7
8/31/2023	8:20:00 PM	33.4	244.9	8.2	243.5	7.9
8/31/2023	8:25:00 PM	32.9	244.6	8.5	244.1	8.1
8/31/2023	8:30:00 PM	34.3	224.7	11	224.3	10.4
8/31/2023	8:35:00 PM	39.9	164.7	20.2	162.8	19.5
8/31/2023	8:40:00 PM	82.8	159.6	28.5	160.2	27.6
8/31/2023	8:45:00 PM	296.7	162.4	34.9	162.6	34.2
8/31/2023	8:50:00 PM	1245.3	165.5	32.9	165.5	32.2
8/31/2023	8:55:00 PM	5291.9	165.1	28.3	165.3	27.6
8/31/2023	9:00:00 PM	2517.6	167.4	31.1	167.5	30.3
8/31/2023	9:05:00 PM	1218.9	161.5	28	161.7	27.2
8/31/2023	9:10:00 PM	1098.3	164.7	24.7	165.2	24.1
8/31/2023	9:15:00 PM	8636	165.9	28.2	166	27.6
8/31/2023	9:20:00 PM	6838.9	166.2	23.9	165.9	23.1
8/31/2023	9:25:00 PM	5132.9	178.1	26.7	178.1	26.2
8/31/2023	9:30:00 PM	3886.5	172.2	17.7	170.2	17
8/31/2023	9:35:00 PM	2914.1	174.3	16.7	174.8	15.8
8/31/2023	9:40:00 PM	2143.9	215.5	18.1	214.4	17.4
8/31/2023	9:45:00 PM	1582.3	210.9	17.8	209.5	16.8
8/31/2023	9:50:00 PM	1161.3	206	15.5	207	15
8/31/2023	9:55:00 PM	835.1	223	12.3	222.2	11.6
8/31/2023	10:00:00 PM	587.6	222.4	16.1	222.6	15.7

Site: Central Phoenix						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
8/31/2023	10:05:00 PM	417.7	236.4	21.1	235.5	20.5
8/31/2023	10:10:00 PM	292.7	241.6	17.2	242	16.7
8/31/2023	10:15:00 PM	209.3	236.3	15.2	235.6	14.7
8/31/2023	10:20:00 PM	153.2	239	11.7	238.6	11.2
8/31/2023	10:25:00 PM	116.5	236.9	10.1	235.9	9.8
8/31/2023	10:30:00 PM	88.6	214.8	5.4	214	5.2
8/31/2023	10:35:00 PM	69.6	97.9	7.8	87.7	5.4
8/31/2023	10:40:00 PM	55.4	149.4	6.5	143.5	5.4
8/31/2023	10:45:00 PM	50.8	117.6	1.9	72.3	0.8
8/31/2023	10:50:00 PM	43.4	130.1	2.5	201.2	1
8/31/2023	10:55:00 PM	32	86.2	3.5	88.8	3.1
8/31/2023	11:00:00 PM	25.9	142	5.2	141.7	5.1
8/31/2023	11:05:00 PM	24.6	123.1	4	124.2	3.6
8/31/2023	11:10:00 PM	18.8	108.9	1.8	113.7	1.7
8/31/2023	11:15:00 PM	17.2	46.5	0.9	44.9	0.8
8/31/2023	11:20:00 PM	22.7	14.4	1.5	16.1	0.9
8/31/2023	11:25:00 PM	44.7	294.3	3.3	296.4	3.1
8/31/2023	11:30:00 PM	72.2	319.2	5.3	319.5	5.3
8/31/2023	11:35:00 PM	78.1	315.3	8.5	315.1	8.4
8/31/2023	11:40:00 PM	73.4	317.5	8.3	318.2	8.2
8/31/2023	11:45:00 PM	65.5	322.1	8.6	322.3	8.5
8/31/2023	11:50:00 PM	57.3	326.3	10.9	326.4	10.8
8/31/2023	11:55:00 PM	49.8	316	11.9	316.5	11.7
Average		207	265	7.6	242.2	3.3
Max		8636	326.3	34.9	326.4	34.2
Max Hour		725766.3824	9106.928271	31.02413347	9114.572453	29.74794384
Min		17.2	13.5	0.9	13.4	0.8
Count		288	279	279	279	279
Total		59628.7	51770.7	2141.6	51756	2047.8
Date Printed:		9/30/2024 12:04				

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	12:00:00 AM	35.9	<	10.6	<	10.5
8/31/2023	12:05:00 AM	31.3	<	10.8	<	10.7
8/31/2023	12:10:00 AM	31.6	<	9.6	<	9.5
8/31/2023	12:15:00 AM	30.8	<	7.8	<	7.6
8/31/2023	12:20:00 AM	31.9	<	8.1	<	8.1
8/31/2023	12:25:00 AM	30.3	<	7.5	<	7.4
8/31/2023	12:30:00 AM	29.8	<	7.6	<	7.5
8/31/2023	12:35:00 AM	29.7	<	7.6	<	7.5
8/31/2023	12:40:00 AM	31.3	<	7.3	<	7.2
8/31/2023	12:45:00 AM	34.3	<	5.6	<	5.6
8/31/2023	12:50:00 AM	34.7	<	6.7	<	6.6
8/31/2023	12:55:00 AM	37.3	<	6.1	<	6
8/31/2023	1:00:00 AM	38	<	4.3	<	4.2
8/31/2023	1:05:00 AM	34.6	<	3.4	<	3.4
8/31/2023	1:10:00 AM	31.3	<	4	<	3.9
8/31/2023	1:15:00 AM	31.4	<	3.2	<	2.8
8/31/2023	1:20:00 AM	31.2	<	3.4	<	3.4
8/31/2023	1:25:00 AM	26.9	<	2.8	<	2.6
8/31/2023	1:30:00 AM	33.2	<	3.7	<	3.6
8/31/2023	1:35:00 AM	31.4	<	3.5	<	3.4
8/31/2023	1:40:00 AM	33.9	<	4.4	<	4.2
8/31/2023	1:45:00 AM	32.9	<	6.4	<	6.2
8/31/2023	1:50:00 AM	27.6	<	8.3	<	8.1
8/31/2023	1:55:00 AM	30.8	<	11.1	<	11
8/31/2023	2:00:00 AM	34.8	<	12	<	11.9
8/31/2023	2:05:00 AM	40.1	<	11.2	<	11.1
8/31/2023	2:10:00 AM	38.3	<	11.2	<	11.2
8/31/2023	2:15:00 AM	34.3	<	11.5	<	11.3
8/31/2023	2:20:00 AM	34.4	<	11.1	<	11
8/31/2023	2:25:00 AM	32.9	<	10.6	<	10.4
8/31/2023	2:30:00 AM	30.9	<	10.9	<	10.8
8/31/2023	2:35:00 AM	28.1	<	9.5	<	9.4
8/31/2023	2:40:00 AM	27.6	<	10.7	<	10.6
8/31/2023	2:45:00 AM	23.4	<	10.2	<	10.1
8/31/2023	2:50:00 AM	24.6	<	9.1	<	9.1
8/31/2023	2:55:00 AM	27.6	<	9	<	9
8/31/2023	3:00:00 AM	27.3	<	8.6	<	8.5
8/31/2023	3:05:00 AM	26.4	<	9.8	<	9.8
8/31/2023	3:10:00 AM	28.6	<	6.9	<	6.8
8/31/2023	3:15:00 AM	30.4	<	8	<	7.9
8/31/2023	3:20:00 AM	32.5	<	6.2	<	6.1
8/31/2023	3:25:00 AM	33.9	<	5	<	4.9
8/31/2023	3:30:00 AM	32.7	<	4.4	<	4.2
8/31/2023	3:35:00 AM	34	<	3.3	<	3.2
8/31/2023	3:40:00 AM	29.3	<	2.6	<	2.3
8/31/2023	3:45:00 AM	27.5	<	0.7	<	0.5
8/31/2023	3:50:00 AM	28.7	<	1.7	<	1.6
8/31/2023	3:55:00 AM	27.2	<	1.4	<	1.3
8/31/2023	4:00:00 AM	27	<	1.5	<	1.3
8/31/2023	4:05:00 AM	28.1	<	0.8	<	0.6
8/31/2023	4:10:00 AM	36.7	<	2	<	2
8/31/2023	4:15:00 AM	38.1	<	2.6	<	2.5
8/31/2023	4:20:00 AM	32.5	<	1.8	<	1.8

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	4:25:00 AM	29.9	<	1.6	<	1.6
8/31/2023	4:30:00 AM	29.5	<	2	<	2
8/31/2023	4:35:00 AM	30	<	2.3	<	2.3
8/31/2023	4:40:00 AM	27.7	<	2.1	<	2
8/31/2023	4:45:00 AM	31.1	<	3.9	<	3.8
8/31/2023	4:50:00 AM	49.3	<	2.7	<	2.6
8/31/2023	4:55:00 AM	61.3	<	1.7	<	1.6
8/31/2023	5:00:00 AM	64.8	<	2.9	<	2.9
8/31/2023	5:05:00 AM	56.8	<	2	<	1.9
8/31/2023	5:10:00 AM	50	<	3.3	<	3.3
8/31/2023	5:15:00 AM	54	<	4.4	<	4.4
8/31/2023	5:20:00 AM	55.4	<	3.9	<	3.9
8/31/2023	5:25:00 AM	59.4	<	3.3	<	3.2
8/31/2023	5:30:00 AM	55.9	<	2.3	<	2.2
8/31/2023	5:35:00 AM	48.8	<	2.7	<	2.7
8/31/2023	5:40:00 AM	44.8	<	3	<	2.7
8/31/2023	5:45:00 AM	43.7	<	3.3	<	3.2
8/31/2023	5:50:00 AM	48.1	<	2.6	<	2.6
8/31/2023	5:55:00 AM	46.3	<	2.2	<	2.1
8/31/2023	6:00:00 AM	42.3	<	2	<	2
8/31/2023	6:05:00 AM	39.7	<	2.1	<	2.1
8/31/2023	6:10:00 AM	39.4	<	1.8	<	1.8
8/31/2023	6:15:00 AM	40.3	<	0.5	<	0.5
8/31/2023	6:20:00 AM	39.2	<	1.5	<	1.4
8/31/2023	6:25:00 AM	44.9	<	1.8	<	1.8
8/31/2023	6:30:00 AM	51.1	<	2.3	<	2.3
8/31/2023	6:35:00 AM	58.5	<	3	<	3
8/31/2023	6:40:00 AM	57.5	<	2.5	<	2.5
8/31/2023	6:45:00 AM	67.5	<	1.4	<	1.4
8/31/2023	6:50:00 AM	74.7	<	2.1	<	2
8/31/2023	6:55:00 AM	80.6	<	3.5	<	3.5
8/31/2023	7:00:00 AM	111.2	<	3.2	<	3.2
8/31/2023	7:05:00 AM	128.3	<	3.3	<	3.2
8/31/2023	7:10:00 AM	123.9	<	2.8	<	2.7
8/31/2023	7:15:00 AM	133.3	<	2	<	1.9
8/31/2023	7:20:00 AM	126.8	<	1.9	<	1.7
8/31/2023	7:25:00 AM	104.3	<	2.5	<	2.4
8/31/2023	7:30:00 AM	83.6	<	2.8	<	2.7
8/31/2023	7:35:00 AM	58	<	3.1	<	3.1
8/31/2023	7:40:00 AM	48.9	<	2.5	<	2.4
8/31/2023	7:45:00 AM	47.8	<	3.1	<	3.1
8/31/2023	7:50:00 AM	43.4	<	4.4	<	4.4
8/31/2023	7:55:00 AM	44	<	3.6	<	3.6
8/31/2023	8:00:00 AM	45	<	3	<	2.9
8/31/2023	8:05:00 AM	48.4	<	3.6	<	3.5
8/31/2023	8:10:00 AM	55.3	<	3.4	<	3.2
8/31/2023	8:15:00 AM	60.9	<	4.1	<	4.1
8/31/2023	8:20:00 AM	50.8	<	4.7	<	4.5
8/31/2023	8:25:00 AM	47.6	<	3.5	<	3.1
8/31/2023	8:30:00 AM	50.7	<	4.8	<	4.7
8/31/2023	8:35:00 AM	53.7	<	3.8	<	3.6
8/31/2023	8:40:00 AM	48.4	<	4.2	<	4.1
8/31/2023	8:45:00 AM	43.7	<	3.5	<	3.4

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	8:50:00 AM	37.7	<	2.3	<	2.2
8/31/2023	8:55:00 AM	33.9	<	4.7	<	4.4
8/31/2023	9:00:00 AM	37.1	<	3.9	<	3.7
8/31/2023	9:05:00 AM	37.2	<	3.4	<	3
8/31/2023	9:10:00 AM	36.6	<	4.8	<	4.5
8/31/2023	9:15:00 AM	40.3	<	2	<	1.2
8/31/2023	9:20:00 AM	34.8	<	3.9	<	3.7
8/31/2023	9:25:00 AM	33.5	<	1.8	<	1.5
8/31/2023	9:30:00 AM	35	<	2.1	<	1.6
8/31/2023	9:35:00 AM	32.3	<	2.9	<	2.8
8/31/2023	9:40:00 AM	29.1	<	2.1	<	1.6
8/31/2023	9:45:00 AM	25.2	<	4.1	<	4
8/31/2023	9:50:00 AM	30.9	<	3.7	<	3.5
8/31/2023	9:55:00 AM	30.2	<	3.5	<	3.1
8/31/2023	10:00:00 AM	30.9	<	3.5	<	2.9
8/31/2023	10:05:00 AM	25.3	<	2.6	<	2.2
8/31/2023	10:10:00 AM	22.9	<	3.1	<	2.4
8/31/2023	10:15:00 AM	28.2	<	6.9	<	6.6
8/31/2023	10:20:00 AM	29.5	<	2.6	<	2.2
8/31/2023	10:25:00 AM	26.3	<	3.6	<	3.4
8/31/2023	10:30:00 AM	24.8	<	5.8	<	5.1
8/31/2023	10:35:00 AM	23.8	<	4.3	<	3.4
8/31/2023	10:40:00 AM	31.5	<	4.8	<	4.6
8/31/2023	10:45:00 AM	33	<	5.4	<	5.1
8/31/2023	10:50:00 AM	27.5	<	5.9	<	5.7
8/31/2023	10:55:00 AM	32.4	<	5.9	<	5.8
8/31/2023	11:00:00 AM	32.3	<	4.4	<	4.2
8/31/2023	11:05:00 AM	37.4	<	1.7	<	1.6
8/31/2023	11:10:00 AM	45.3	<	4.7	<	4.5
8/31/2023	11:15:00 AM	43	<	5.9	<	5.8
8/31/2023	11:20:00 AM	47.4	<	3.4	<	3.2
8/31/2023	11:25:00 AM	54	<	6.1	<	4.4
8/31/2023	11:30:00 AM	48.3	<	8	<	7.8
8/31/2023	11:35:00 AM	43.8	<	8.4	<	8.2
8/31/2023	11:40:00 AM	41.3	<	5	<	4.6
8/31/2023	11:45:00 AM	39.8	<	3.2	<	2.3
8/31/2023	11:50:00 AM	38.8	<	1.6	<	1.4
8/31/2023	11:55:00 AM	38.6	<	3.1	<	0.9
8/31/2023	12:00:00 PM	50.4	<	5.5	<	5.4
8/31/2023	12:05:00 PM	49	<	4.1	<	3.8
8/31/2023	12:10:00 PM	41.3	<	4.4	<	4.1
8/31/2023	12:15:00 PM	38.2	<	4.1	<	0.6
8/31/2023	12:20:00 PM	45.8	<	4.7	<	4.4
8/31/2023	12:25:00 PM	43.7	<	6.2	<	6
8/31/2023	12:30:00 PM	39.6	<	3.5	<	3
8/31/2023	12:35:00 PM	36.3	<	5.7	<	5.3
8/31/2023	12:40:00 PM	34.6	<	4.4	<	3.3
8/31/2023	12:45:00 PM	35.3	<	7.5	<	7
8/31/2023	12:50:00 PM	33.7	<	6.3	<	5.8
8/31/2023	12:55:00 PM	31.7	<	7.9	<	7.6
8/31/2023	1:00:00 PM	32.8	<	8.4	<	8.1
8/31/2023	1:05:00 PM	34.3	<	8.1	<	7.2
8/31/2023	1:10:00 PM	35.6	<	6.7	<	6.5

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	1:15:00 PM	35.6	<	5.7	<	4.7
8/31/2023	1:20:00 PM	33.3	<	6.2	<	5.6
8/31/2023	1:25:00 PM	39.2	<	7.4	<	7.2
8/31/2023	1:30:00 PM	36.4	<	7.3	<	7.1
8/31/2023	1:35:00 PM	32.2	<	6.3	<	5.8
8/31/2023	1:40:00 PM	31	<	5.4	<	4.1
8/31/2023	1:45:00 PM	30.4	<	5.7	<	5.4
8/31/2023	1:50:00 PM	28.2	<	7	<	6.6
8/31/2023	1:55:00 PM	28.1	<	6.7	<	6.4
8/31/2023	2:00:00 PM	32.6	<	5.9	<	5.6
8/31/2023	2:05:00 PM	31.2	<	4.6	<	4.2
8/31/2023	2:10:00 PM	28.4	<	9.7	<	9.5
8/31/2023	2:15:00 PM	24.4	<	8.2	<	8
8/31/2023	2:20:00 PM	21.3	<	9.6	<	9.2
8/31/2023	2:25:00 PM	18.9	<	10.3	<	10
8/31/2023	2:30:00 PM	18.9	<	5.9	<	5.7
8/31/2023	2:35:00 PM	21.8	<	3.7	<	3.5
8/31/2023	2:40:00 PM	20.5	<	8.5	<	7.8
8/31/2023	2:45:00 PM	18.3	<	8	<	7.5
8/31/2023	2:50:00 PM	20.8	<	8.6	<	8.4
8/31/2023	2:55:00 PM	22.2	<	12.1	<	11.7
8/31/2023	3:00:00 PM	21.8	<	9.6	<	9.5
8/31/2023	3:05:00 PM	23	<	7.1	<	6.5
8/31/2023	3:10:00 PM	24.6	<	10.5	<	9.8
8/31/2023	3:15:00 PM	27.4	<	7.5	<	7.2
8/31/2023	3:20:00 PM	21.4	<	7.3	<	6.8
8/31/2023	3:25:00 PM	23.3	<	11.5	<	10.8
8/31/2023	3:30:00 PM	28.3	<	9.5	<	8.8
8/31/2023	3:35:00 PM	25.7	<	9	<	8.6
8/31/2023	3:40:00 PM	21	<	9.7	<	9.5
8/31/2023	3:45:00 PM	22.8	<	8.5	<	8.4
8/31/2023	3:50:00 PM	28.3	<	6	<	5.7
8/31/2023	3:55:00 PM	35.4	<	8.2	<	7.6
8/31/2023	4:00:00 PM	37.4	<	12.3	<	11.8
8/31/2023	4:05:00 PM	39.1	<	16.6	<	16.4
8/31/2023	4:10:00 PM	45.1	<	11.7	<	11.4
8/31/2023	4:15:00 PM	41.6	<	17.1	<	16.9
8/31/2023	4:20:00 PM	46.7	<	13.7	<	13.4
8/31/2023	4:25:00 PM	42	<	12.7	<	12.4
8/31/2023	4:30:00 PM	45.5	<	12.6	<	12.4
8/31/2023	4:35:00 PM	40.9	<	12.9	<	12.4
8/31/2023	4:40:00 PM	38.5	<	10.9	<	10.7
8/31/2023	4:45:00 PM	34.9	<	11.3	<	10.9
8/31/2023	4:50:00 PM	27.1	<	12.2	<	11.8
8/31/2023	4:55:00 PM	24.6	<	12.1	<	11.9
8/31/2023	5:00:00 PM	34.4	<	14.8	<	14.7
8/31/2023	5:05:00 PM	34.5	<	11.7	<	11.6
8/31/2023	5:10:00 PM	32.2	<	12.4	<	12.2
8/31/2023	5:15:00 PM	31.1	<	14.4	<	14.2
8/31/2023	5:20:00 PM	25.6	<	13.3	<	13.1
8/31/2023	5:25:00 PM	27.9	<	14.2	<	14
8/31/2023	5:30:00 PM	23.9	<	12.1	<	11.9
8/31/2023	5:35:00 PM	22	<	12.6	<	12.4

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	5:40:00 PM	21.6	<	11.8	<	11.6
8/31/2023	5:45:00 PM	22.6	<	10.7	<	10.5
8/31/2023	5:50:00 PM	22.7	<	9.1	<	9
8/31/2023	5:55:00 PM	21.7	<	10.7	<	10.5
8/31/2023	6:00:00 PM	26.1	<	11.4	<	11.3
8/31/2023	6:05:00 PM	25.2	<	9	<	8.8
8/31/2023	6:10:00 PM	24.1	<	10.9	<	10.7
8/31/2023	6:15:00 PM	21.7	<	10.1	<	10
8/31/2023	6:20:00 PM	21.5	<	11.3	<	11.2
8/31/2023	6:25:00 PM	21.1	<	10.9	<	10.8
8/31/2023	6:30:00 PM	15.1	<	9.6	<	9.5
8/31/2023	6:35:00 PM	21.1	<	8.8	<	8.7
8/31/2023	6:40:00 PM	22.6	<	8.4	<	8.4
8/31/2023	6:45:00 PM	13.6	<	6.6	<	6.5
8/31/2023	6:50:00 PM	21	<	6	<	5.9
8/31/2023	6:55:00 PM	17.8	<	8.2	<	8.1
8/31/2023	7:00:00 PM	18.8	<	8.1	<	8
8/31/2023	7:05:00 PM	23.2	<	6.7	<	6.6
8/31/2023	7:10:00 PM	17.7	<	5.4	<	5.3
8/31/2023	7:15:00 PM	25.3	<	4.9	<	4.9
8/31/2023	7:20:00 PM	20.5	<	5.5	<	5.4
8/31/2023	7:25:00 PM	27.4	<	4.8	<	4.8
8/31/2023	7:30:00 PM	21.1	<	5.5	<	5.5
8/31/2023	7:35:00 PM	36.8	<	4.6	<	4.6
8/31/2023	7:40:00 PM	33.1	<	4.5	<	4.4
8/31/2023	7:45:00 PM	35.7	<	4	<	4
8/31/2023	7:50:00 PM	27.5	<	4.1	<	4
8/31/2023	7:55:00 PM	32.7	<	4.1	<	4.1
8/31/2023	8:00:00 PM	25.6	<	4.5	<	4.5
8/31/2023	8:05:00 PM	34.7	<	6.3	<	6.3
8/31/2023	8:10:00 PM	29.7	<	6	<	5.9
8/31/2023	8:15:00 PM	32.9	<	8.9	<	8.8
8/31/2023	8:20:00 PM	38.6	<	9.4	<	9.3
8/31/2023	8:25:00 PM	39.8	<	11.7	<	11.6
8/31/2023	8:30:00 PM	37.5	<	13.6	<	13.5
8/31/2023	8:35:00 PM	36	<	13.2	<	13
8/31/2023	8:40:00 PM	35.4	<	10.9	<	10.8
8/31/2023	8:45:00 PM	35.6	<	11.5	<	11.4
8/31/2023	8:50:00 PM	31	<	9	<	8.8
8/31/2023	8:55:00 PM	34.2	<	11.3	<	11.1
8/31/2023	9:00:00 PM	35.7	<	11.8	<	11.6
8/31/2023	9:05:00 PM	45.5	<	13.8	<	13.5
8/31/2023	9:10:00 PM	54.7	<	25.9	<	24.6
8/31/2023	9:15:00 PM	601.5	<	27.4	<	26.9
8/31/2023	9:20:00 PM	5419.3	<	24.8	<	24.1
8/31/2023	9:25:00 PM	6016.6	<	26.4	<	25.9
8/31/2023	9:30:00 PM	4794.4	<	30.2	<	29.6
8/31/2023	9:35:00 PM	4175.4	<	29.9	<	29.4
8/31/2023	9:40:00 PM	2709.3	<	29.5	<	29
8/31/2023	9:45:00 PM	1449.6	<	24.4	<	23.8
8/31/2023	9:50:00 PM	753.9	<	26.8	<	26.2
8/31/2023	9:55:00 PM	412.6	<	22.2	<	21.6
8/31/2023	10:00:00 PM	236.9	<	19.1	<	18.7

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
8/31/2023	10:05:00 PM	142.8	<	20.9	<	20.6
8/31/2023	10:10:00 PM	90.8	<	16	<	15.6
8/31/2023	10:15:00 PM	68.6	<	13.7	<	13.3
8/31/2023	10:20:00 PM	50.1	<	11.8	<	11.5
8/31/2023	10:25:00 PM	46	<	8.4	<	8
8/31/2023	10:30:00 PM	42.7	<	7.4	<	7
8/31/2023	10:35:00 PM	47.9	<	11.5	<	10.9
8/31/2023	10:40:00 PM	66.2	<	10.1	<	9.4
8/31/2023	10:45:00 PM	64.5	<	12.8	<	12.5
8/31/2023	10:50:00 PM	72.4	<	11	<	10.7
8/31/2023	10:55:00 PM	82.2	<	11.1	<	10.7
8/31/2023	11:00:00 PM	69.7	<	9.4	<	8.9
8/31/2023	11:05:00 PM	63	<	6.8	<	6.5
8/31/2023	11:10:00 PM	53.4	<	6.6	<	6.4
8/31/2023	11:15:00 PM	44.2	<	5	<	4.9
8/31/2023	11:20:00 PM	38.8	<	4.6	<	4.4
8/31/2023	11:25:00 PM	44	<	3.8	<	3.7
8/31/2023	11:30:00 PM	41.7	<	4.9	<	4.8
8/31/2023	11:35:00 PM	50.1	<	5.7	<	5.6
8/31/2023	11:40:00 PM	52.1	<	6.2	<	6.1
8/31/2023	11:45:00 PM	44.8	<	5.5	<	5.4
8/31/2023	11:50:00 PM	39.1	<	7.1	<	7
8/31/2023	11:55:00 PM	37.3	<	7.4	<	7.4
Average		129.7		7.3		7.1
Max		6016.6	0	30.2	0	29.6
Max Hour						
Min		13.6	0	0.5	0	0.5
Count		288	0	288	0	288
Total						

Site: Mesa						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	12:00:00 AM	-	260.3	3.5	268.1	3.1
7/9/2021	12:05:00 AM	-	270.5	5.8	271.2	5.4
7/9/2021	12:10:00 AM	-	252.6	2.9	260.5	2.6
7/9/2021	12:15:00 AM	-	238	5.1	236.9	4.7
7/9/2021	12:20:00 AM	-	234.6	2.9	235	2.7
7/9/2021	12:25:00 AM	-	225.8	3.6	227.2	3.4
7/9/2021	12:30:00 AM	-	227.6	4.7	228.2	4.4
7/9/2021	12:35:00 AM	-	233.4	4.8	231	4.5
7/9/2021	12:40:00 AM	-	242.7	4.7	246.6	4.1
7/9/2021	12:45:00 AM	-	246.8	3.7	246.2	3.5
7/9/2021	12:50:00 AM	-	264.3	4.3	262.5	4
7/9/2021	12:55:00 AM	-	268.3	2.9	265.8	2.7
7/9/2021	1:00:00 AM	-	265.8	2.7	263.2	2.6
7/9/2021	1:05:00 AM	-	273	3.5	270.9	3.2
7/9/2021	1:10:00 AM	-	284.3	4.1	281.4	3.9
7/9/2021	1:15:00 AM	-	281.8	3.7	282.5	3.6
7/9/2021	1:20:00 AM	-	283.4	4.6	282.7	4.5
7/9/2021	1:25:00 AM	-	275	3.1	276.1	3
7/9/2021	1:30:00 AM	-	263.8	3.5	262.1	3.2
7/9/2021	1:35:00 AM	-	272.3	3.5	264.1	3.1
7/9/2021	1:40:00 AM	-	266.9	2	262.6	1.8
7/9/2021	1:45:00 AM	-	270.3	3.1	269.4	3
7/9/2021	1:50:00 AM	-	248.3	2.3	249.4	2.2
7/9/2021	1:55:00 AM	-	283.9	1.5	275.6	1.3
7/9/2021	2:00:00 AM	-	279.3	2.8	276.3	2.6
7/9/2021	2:05:00 AM	-	293.9	2.2	293	2.1
7/9/2021	2:10:00 AM	-	301.3	0	302.7	0.5
7/9/2021	2:15:00 AM	-	314.3	0	356.4	0.5
7/9/2021	2:20:00 AM	-	357.5	2.6	354.5	2.4
7/9/2021	2:25:00 AM	-	319.5	1.6	319.1	1.5
7/9/2021	2:30:00 AM	-	323.8	1.6	326.2	1.5
7/9/2021	2:35:00 AM	-	316.5	0	296.8	0.6
7/9/2021	2:40:00 AM	-	299.5	2.1	297.7	1.7
7/9/2021	2:45:00 AM	-	341.6	2.6	340.5	2.5
7/9/2021	2:50:00 AM	-	14.9	2.6	14.6	2.5
7/9/2021	2:55:00 AM	-	37.1	1.3	37.4	1.1
7/9/2021	3:00:00 AM	-	41.1	1.4	35.4	1.3
7/9/2021	3:05:00 AM	-	4.2	2	2.2	1.9
7/9/2021	3:10:00 AM	-	87.1	2.5	100.4	2.1
7/9/2021	3:15:00 AM	-	111.8	2.7	113.7	2.6
7/9/2021	3:20:00 AM	-	84.4	3.3	88.4	3.2
7/9/2021	3:25:00 AM	-	52.4	0.9	57.9	0.8
7/9/2021	3:30:00 AM	-	83.7	2.3	84	2.2
7/9/2021	3:35:00 AM	-	77.2	2.2	77.2	2.1
7/9/2021	3:40:00 AM	-	84.8	2.3	89.5	2.1
7/9/2021	3:45:00 AM	-	115.2	3.7	123.2	2.9
7/9/2021	3:50:00 AM	-	32.3	2.8	19.9	2.4
7/9/2021	3:55:00 AM	-	33.8	3	30.8	2.9
7/9/2021	4:00:00 AM	-	43.8	3.6	42.4	3.5
7/9/2021	4:05:00 AM	-	57.1	2.6	56.4	2.4
7/9/2021	4:10:00 AM	-	56.3	2.3	56.1	2.3
7/9/2021	4:15:00 AM	-	65.2	2.8	64.7	2.7
7/9/2021	4:20:00 AM	-	71.3	4.7	71.6	4.7

Site: Mesa						
Date	Time	PM ₁₀ (µg/m ³)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	4:25:00 AM	-	54.5	3.1	53.8	2.9
7/9/2021	4:30:00 AM	-	43.5	3.5	43.4	3.4
7/9/2021	4:35:00 AM	-	44.5	3.3	43.3	3.2
7/9/2021	4:40:00 AM	-	57.1	2.3	57.3	2.2
7/9/2021	4:45:00 AM	-	54.9	2	51.9	1.9
7/9/2021	4:50:00 AM	-	43.1	1.8	36.9	1.7
7/9/2021	4:55:00 AM	-	66.9	2.4	67.4	2.4
7/9/2021	5:00:00 AM	-	79	2.6	79	2.5
7/9/2021	5:05:00 AM	-	60.1	1.9	58.5	1.8
7/9/2021	5:10:00 AM	-	57.9	2.9	59.7	2.8
7/9/2021	5:15:00 AM	-	90.1	3.4	89.9	3.4
7/9/2021	5:20:00 AM	-	82.6	3.3	83.2	3.2
7/9/2021	5:25:00 AM	-	78.4	2.4	79.9	2.3
7/9/2021	5:30:00 AM	-	85.8	3.6	85.4	3.6
7/9/2021	5:35:00 AM	-	74.7	4.1	74.6	4
7/9/2021	5:40:00 AM	-	69.6	3.7	70.9	3.6
7/9/2021	5:45:00 AM	-	69.2	3.7	70.7	3.6
7/9/2021	5:50:00 AM	-	84.2	5.2	83.8	5.1
7/9/2021	5:55:00 AM	-	88.8	3.3	88.3	3.2
7/9/2021	6:00:00 AM	-	70.8	3.1	70.2	3
7/9/2021	6:05:00 AM	-	68.3	3	67.8	2.9
7/9/2021	6:10:00 AM	-	68.7	2.4	67.6	2.4
7/9/2021	6:15:00 AM	-	76.1	2	77.6	1.9
7/9/2021	6:20:00 AM	-	64.6	2.4	61.5	2.2
7/9/2021	6:25:00 AM	-	49.8	2.3	44	2.2
7/9/2021	6:30:00 AM	-	47.3	2.9	45.8	2.7
7/9/2021	6:35:00 AM	-	52.1	3.7	52.3	3.5
7/9/2021	6:40:00 AM	-	67.9	4.8	68.3	4.6
7/9/2021	6:45:00 AM	-	62.9	4.4	63.5	4.2
7/9/2021	6:50:00 AM	-	68.3	4.5	69.7	4.4
7/9/2021	6:55:00 AM	-	59.4	5.2	59.3	5
7/9/2021	7:00:00 AM	-	66.6	6	66.8	5.8
7/9/2021	7:05:00 AM	-	66	5.5	66.8	5.3
7/9/2021	7:10:00 AM	-	80.2	5.5	80.5	5.4
7/9/2021	7:15:00 AM	-	59.6	5.4	58.6	5.1
7/9/2021	7:20:00 AM	-	80.7	5.8	81.1	5.7
7/9/2021	7:25:00 AM	-	72.6	4.8	75.8	4.6
7/9/2021	7:30:00 AM	-	80.6	4.5	80.5	4.3
7/9/2021	7:35:00 AM	-	74.8	3.7	76.1	3.2
7/9/2021	7:40:00 AM	-	84.6	4.6	88	4.2
7/9/2021	7:45:00 AM	-	98.7	4.4	96	4.1
7/9/2021	7:50:00 AM	-	103.5	5.4	104.3	5.1
7/9/2021	7:55:00 AM	-	107.9	5.3	107.5	5
7/9/2021	8:00:00 AM	-	102.9	4.8	102.4	4.7
7/9/2021	8:05:00 AM	-	100.1	3.9	99.5	3.6
7/9/2021	8:10:00 AM	-	113.9	3	108.2	2.6
7/9/2021	8:15:00 AM	-	69.8	4.3	63.3	3.7
7/9/2021	8:20:00 AM	-	111.8	4.2	110	4.1
7/9/2021	8:25:00 AM	-	123.5	4.9	121.6	4.6
7/9/2021	8:30:00 AM	-	124.7	2.6	124.7	2.5
7/9/2021	8:35:00 AM	-	62	4.2	64	4.1
7/9/2021	8:40:00 AM	-	74.8	4.2	75.5	4
7/9/2021	8:45:00 AM	-	339.3	0	350.4	0.4

Site: Mesa						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	8:50:00 AM	-	311	2.1	307.4	2
7/9/2021	8:55:00 AM	-	267.2	2.3	266.6	2.1
7/9/2021	9:00:00 AM	-	317	3.1	312.6	2.3
7/9/2021	9:05:00 AM	-	17.8	1.7	28.4	1.2
7/9/2021	9:10:00 AM	-	107.9	2.4	105.5	2.2
7/9/2021	9:15:00 AM	-	84.5	3.4	74.2	3
7/9/2021	9:20:00 AM	-	343.3	1	342.2	0.4
7/9/2021	9:25:00 AM	-	332.4	1.6	292.7	0.9
7/9/2021	9:30:00 AM	-	350.3	2	346.5	1.7
7/9/2021	9:35:00 AM	-	25.1	3.5	26.1	3.3
7/9/2021	9:40:00 AM	-	43.7	3.7	41.2	3.4
7/9/2021	9:45:00 AM	-	58.1	2.6	51.5	1.9
7/9/2021	9:50:00 AM	-	347	2.4	334.3	2
7/9/2021	9:55:00 AM	-	315	3.1	314.2	2.7
7/9/2021	10:00:00 AM	-	332.8	2.3	327.9	2
7/9/2021	10:05:00 AM	-	350	1.7	355.8	1.5
7/9/2021	10:10:00 AM	-	164.1	4.5	192	1.7
7/9/2021	10:15:00 AM	-	214.3	4.6	213.7	4.3
7/9/2021	10:20:00 AM	-	199.5	4.2	197.7	3.8
7/9/2021	10:25:00 AM	-	187.4	3.1	189.3	2.9
7/9/2021	10:30:00 AM	-	150.6	4.7	150.6	4.4
7/9/2021	10:35:00 AM	-	152	4.8	152.2	4.7
7/9/2021	10:40:00 AM	-	189.7	3.8	205.9	1.7
7/9/2021	10:45:00 AM	-	299.3	4	292.3	3.5
7/9/2021	10:50:00 AM	-	294.8	3	285.4	2.5
7/9/2021	10:55:00 AM	-	279.1	5.3	277	4.8
7/9/2021	11:00:00 AM	-	341.7	1.9	348	1.1
7/9/2021	11:05:00 AM	-	284.6	5	283.7	4.8
7/9/2021	11:10:00 AM	-	259.3	3.7	261.2	2.9
7/9/2021	11:15:00 AM	-	179.4	7.2	175.1	6.8
7/9/2021	11:20:00 AM	-	173	5.6	179.6	4.6
7/9/2021	11:25:00 AM	-	161.2	2.4	135.8	1.8
7/9/2021	11:30:00 AM	-	241.4	3.2	229.7	2.1
7/9/2021	11:35:00 AM	-	281	5.8	280.7	5.6
7/9/2021	11:40:00 AM	-	331.6	3.6	331.9	3.4
7/9/2021	11:45:00 AM	-	179.4	6.8	177.8	5.9
7/9/2021	11:50:00 AM	-	178.2	6.5	169.5	6.1
7/9/2021	11:55:00 AM	-	202.7	7	197.5	6.6
7/9/2021	12:00:00 PM	-	220.4	4	201.9	3.1
7/9/2021	12:05:00 PM	-	188.7	5.6	192.9	5.1
7/9/2021	12:10:00 PM	-	147.6	5.7	145.5	5.2
7/9/2021	12:15:00 PM	-	130.4	5.1	135.8	2.3
7/9/2021	12:20:00 PM	-	299.7	5.1	297.8	3.9
7/9/2021	12:25:00 PM	-	220.7	4.1	217.9	3.7
7/9/2021	12:30:00 PM	-	241	4.4	245.8	4.2
7/9/2021	12:35:00 PM	-	247.5	3.6	221.6	2.9
7/9/2021	12:40:00 PM	-	281	4.6	281.1	4
7/9/2021	12:45:00 PM	-	220.3	4.5	216.4	4
7/9/2021	12:50:00 PM	-	208.9	4.5	208.7	4.4
7/9/2021	12:55:00 PM	-	213.7	1.9	196.2	1.3
7/9/2021	1:00:00 PM	-	90.2	2.2	88.7	2.1
7/9/2021	1:05:00 PM	-	293.1	4.7	284.1	4.5
7/9/2021	1:10:00 PM	-	286	5.7	283	5

Site: Mesa						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/9/2021	1:15:00 PM	-	311.8	6.3	309.5	6.1
7/9/2021	1:20:00 PM	-	316.5	4.6	316.2	4.3
7/9/2021	1:25:00 PM	-	224.2	4.2	225.5	3.9
7/9/2021	1:30:00 PM	-	228.9	3	218.8	2.1
7/9/2021	1:35:00 PM	-	248.8	5.4	245.5	5.2
7/9/2021	1:40:00 PM	-	266.7	4.1	223.9	2.6
7/9/2021	1:45:00 PM	-	217.1	4.7	211.9	4.2
7/9/2021	1:50:00 PM	-	174.9	6.3	175.3	5.8
7/9/2021	1:55:00 PM	-	283.8	5	275.4	3.1
7/9/2021	2:00:00 PM	-	289.9	6.8	289.3	6.5
7/9/2021	2:05:00 PM	-	315.9	4.1	309.5	2.9
7/9/2021	2:10:00 PM	-	272.4	8	275.3	6.9
7/9/2021	2:15:00 PM	-	216.3	6.6	219.9	5.7
7/9/2021	2:20:00 PM	-	264.5	7.9	268.2	7.2
7/9/2021	2:25:00 PM	-	270.2	8.1	269.7	7.7
7/9/2021	2:30:00 PM	-	269.9	5.6	275.8	3.2
7/9/2021	2:35:00 PM	-	295.4	5.9	296.1	5.3
7/9/2021	2:40:00 PM	-	297.8	8.3	297.6	8.1
7/9/2021	2:45:00 PM	-	274	6.6	272.4	6.1
7/9/2021	2:50:00 PM	-	274.8	6.5	277.2	6.1
7/9/2021	2:55:00 PM	-	266.5	7.3	267.7	6.7
7/9/2021	3:00:00 PM	-	250.3	5.2	253.6	4.8
7/9/2021	3:05:00 PM	-	261.7	5.5	252.3	5
7/9/2021	3:10:00 PM	-	293.5	7.3	289.5	6.3
7/9/2021	3:15:00 PM	-	282.7	8.1	286.1	7.7
7/9/2021	3:20:00 PM	-	302.5	6.8	302.7	6.4
7/9/2021	3:25:00 PM	-	320.5	7.1	321.3	6.5
7/9/2021	3:30:00 PM	-	293.5	8.3	292.4	7.5
7/9/2021	3:35:00 PM	-	278.2	5.4	280.4	5.1
7/9/2021	3:40:00 PM	-	261.8	7.2	268.6	6.4
7/9/2021	3:45:00 PM	-	280	7.5	282.2	7.3
7/9/2021	3:50:00 PM	-	287.4	7.3	283.9	6.8
7/9/2021	3:55:00 PM	-	295.8	5.2	294.5	4.9
7/9/2021	4:00:00 PM	-	280.7	5.7	287.2	4.8
7/9/2021	4:05:00 PM	-	288.9	9.5	287.5	9
7/9/2021	4:10:00 PM	-	284.9	6	284.4	5.8
7/9/2021	4:15:00 PM	-	311.3	5.9	304.6	5.5
7/9/2021	4:20:00 PM	-	298.3	4.7	301.4	3.8
7/9/2021	4:25:00 PM	-	270.3	4.8	286.3	4.5
7/9/2021	4:30:00 PM	-	273.3	6.5	272.6	6.1
7/9/2021	4:35:00 PM	-	279	5	281.3	4.7
7/9/2021	4:40:00 PM	-	306.6	7.3	306.6	7.1
7/9/2021	4:45:00 PM	-	299.6	7.3	298.8	6.9
7/9/2021	4:50:00 PM	-	298.7	4.6	303	3.8
7/9/2021	4:55:00 PM	-	289.9	8.9	289.3	8.8
7/9/2021	5:00:00 PM	-	274.5	5	280.7	4.5
7/9/2021	5:05:00 PM	-	292.6	5	291.7	4.5
7/9/2021	5:10:00 PM	-	283.8	5.6	284.3	5.1
7/9/2021	5:15:00 PM	-	301.9	9.7	305.4	8.5
7/9/2021	5:20:00 PM	-	298.8	8.1	297.9	7.9
7/9/2021	5:25:00 PM	-	285	4.7	289.6	4.1
7/9/2021	5:30:00 PM	-	274.9	3.4	286.4	2.8
7/9/2021	5:35:00 PM	-	284.1	7.5	284	7.2

Site: Mesa						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	5:40:00 PM	-	294.9	6	292	5.7
7/9/2021	5:45:00 PM	-	312.4	5.1	318.2	4.5
7/9/2021	5:50:00 PM	-	284.6	6.7	288.4	6.1
7/9/2021	5:55:00 PM	-	281.2	5	284.6	4.2
7/9/2021	6:00:00 PM	-	282.6	5.8	280.8	5.4
7/9/2021	6:05:00 PM	-	290.5	8.5	289.2	8.2
7/9/2021	6:10:00 PM	-	280.6	6.1	280.6	5.9
7/9/2021	6:15:00 PM	-	283.9	6	284.5	5.8
7/9/2021	6:20:00 PM	-	280.2	7.2	281.6	7
7/9/2021	6:25:00 PM	-	278.2	5.5	280.4	5.2
7/9/2021	6:30:00 PM	-	276.1	6.8	279.4	6.6
7/9/2021	6:35:00 PM	-	268.8	4.9	268.2	4.6
7/9/2021	6:40:00 PM	-	278	4.9	278.5	4.7
7/9/2021	6:45:00 PM	-	284.6	5.4	284.6	5.3
7/9/2021	6:50:00 PM	-	278.3	7.4	278.8	7.3
7/9/2021	6:55:00 PM	-	284.1	6.3	284	6.2
7/9/2021	7:00:00 PM	-	247.3	5.4	245.9	4.9
7/9/2021	7:05:00 PM	-	247.7	3.6	247.7	3.3
7/9/2021	7:10:00 PM	-	248.8	4.4	248.1	4
7/9/2021	7:15:00 PM	-	258.6	6.3	257.7	5.9
7/9/2021	7:20:00 PM	-	248.9	4.9	253.5	4.4
7/9/2021	7:25:00 PM	-	249.2	4.5	251.3	4.2
7/9/2021	7:30:00 PM	-	248.2	5.5	249.2	5
7/9/2021	7:35:00 PM	-	242.8	6	242	5.6
7/9/2021	7:40:00 PM	-	261.4	4.7	260.4	4.2
7/9/2021	7:45:00 PM	-	237.9	4.8	237.4	4.5
7/9/2021	7:50:00 PM	-	236.9	4.2	237.2	3.9
7/9/2021	7:55:00 PM	-	248.3	5.3	248	5
7/9/2021	8:00:00 PM	-	246.5	3.6	241.6	3.3
7/9/2021	8:05:00 PM	-	265.5	4.5	262.2	4.1
7/9/2021	8:10:00 PM	-	252.8	4.9	253.7	4.5
7/9/2021	8:15:00 PM	-	244.6	3.8	243.3	3.6
7/9/2021	8:20:00 PM	-	241	5.8	242.5	5.5
7/9/2021	8:25:00 PM	-	244.8	3.7	243.9	3.5
7/9/2021	8:30:00 PM	-	247.3	4.9	245.4	4.6
7/9/2021	8:35:00 PM	-	271.9	4.4	271.9	4
7/9/2021	8:40:00 PM	-	257.9	4.9	259.7	4.5
7/9/2021	8:45:00 PM	-	258.4	5.4	258.6	4.9
7/9/2021	8:50:00 PM	-	266.7	5.9	265.7	5.4
7/9/2021	8:55:00 PM	-	277.5	6.7	278.3	6.4
7/9/2021	9:00:00 PM	-	275.4	6.8	275.5	6.5
7/9/2021	9:05:00 PM	-	278.7	5.9	278.7	5.7
7/9/2021	9:10:00 PM	-	281.9	6	282.7	5.8
7/9/2021	9:15:00 PM	-	273.6	5	276	4.8
7/9/2021	9:20:00 PM	-	276.4	4.6	277.3	4.4
7/9/2021	9:25:00 PM	-	274.8	4.7	277	4.4
7/9/2021	9:30:00 PM	-	281.2	5.3	282.7	5.1
7/9/2021	9:35:00 PM	-	285.9	5.5	285.6	5.3
7/9/2021	9:40:00 PM	-	285.8	3.9	285.8	3.7
7/9/2021	9:45:00 PM	-	281.8	4.6	281.9	4.5
7/9/2021	9:50:00 PM	-	280.7	6.2	280.6	6.1
7/9/2021	9:55:00 PM	-	285.6	5.4	285.7	5.2
7/9/2021	10:00:00 PM	-	254	2.8	252.8	2.7

Site: Mesa						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/9/2021	10:05:00 PM	-	279.5	2.2	280.8	2.1
7/9/2021	10:10:00 PM	-	281.9	3.7	281.9	3.6
7/9/2021	10:15:00 PM	-	292.6	0	275.3	0.7
7/9/2021	10:20:00 PM	-	123.7	1.5	105.5	1.4
7/9/2021	10:25:00 PM	-	115.4	13.4	119.2	12.9
7/9/2021	10:30:00 PM	-	124.1	20	124.1	19.3
7/9/2021	10:35:00 PM	-	116.7	23	115.3	21.9
7/9/2021	10:40:00 PM	-	124.8	21.4	126.1	20.7
7/9/2021	10:45:00 PM	-	125.8	20.3	125.5	19.8
7/9/2021	10:50:00 PM	-	142.2	16.9	141.4	16.4
7/9/2021	10:55:00 PM	-	135.5	20.8	135.5	20.4
7/9/2021	11:00:00 PM	-	135.8	15.2	135.5	14.9
7/9/2021	11:05:00 PM	-	152.7	13.8	153.3	13.4
7/9/2021	11:10:00 PM	-	153.7	9	153.6	8.6
7/9/2021	11:15:00 PM	-	162.7	8.8	161.3	8.5
7/9/2021	11:20:00 PM	-	171.7	8.6	171.7	8.3
7/9/2021	11:25:00 PM	-	174.5	9.6	175.3	9.4
7/9/2021	11:30:00 PM	-	168.4	11.1	168.4	10.8
7/9/2021	11:35:00 PM	-	174	9.9	173.6	9.6
7/9/2021	11:40:00 PM	-	188.8	8.7	188.5	8.5
7/9/2021	11:45:00 PM	-	204.9	8.6	205.1	8.4
7/9/2021	11:50:00 PM	-	224.1	10	224.3	9.8
7/9/2021	11:55:00 PM	-	228.3	9.8	228.8	9.5
Average		-	278	4.9	250.7	1.2
Max		-	357.5	23	356.4	21.9
Max Hour		-	9086.451524	10.107003	9089.841227	9.673260622
Min		-	4.2	0	2.2	0.4
Count		0	288	288	288	288
Total		0	59583.7	1432.6	59388.9	1329.1
Date Printed:			9/30/2024 11:01			

Site: South Scottsdale						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/9/2021	12:00:00 AM	44.2	244.1	8.9	243.6	8.7
7/9/2021	12:05:00 AM	41.1	254.5	9.7	255.5	9.3
7/9/2021	12:10:00 AM	37.9	252	11.8	252.8	11.5
7/9/2021	12:15:00 AM	36.1	250.1	10.8	249.9	10.6
7/9/2021	12:20:00 AM	34.3	255	11.4	255.1	11.1
7/9/2021	12:25:00 AM	32.9	257.1	11.9	257.3	11.6
7/9/2021	12:30:00 AM	31.7	259.6	8	260.5	7.8
7/9/2021	12:35:00 AM	31.2	258	10	257.5	9.7
7/9/2021	12:40:00 AM	30.6	251.4	10	251.4	9.8
7/9/2021	12:45:00 AM	30.1	254.3	11.2	254.9	11
7/9/2021	12:50:00 AM	30	257.2	7	259.6	6.8
7/9/2021	12:55:00 AM	30.1	261.4	7.3	262.8	7
7/9/2021	1:00:00 AM	30	265.7	4.4	265.4	4.2
7/9/2021	1:05:00 AM	29.4	263.5	5.9	263.7	5.8
7/9/2021	1:10:00 AM	28.5	266.5	7.6	267.2	7.4
7/9/2021	1:15:00 AM	28	258.9	8.5	258.7	8.2
7/9/2021	1:20:00 AM	26.6	262.2	7.9	261.9	7.7
7/9/2021	1:25:00 AM	26.9	260.9	8.2	261.9	8
7/9/2021	1:30:00 AM	25.6	249.5	6.2	250.2	6
7/9/2021	1:35:00 AM	24.8	249.8	7	249.7	6.7
7/9/2021	1:40:00 AM	24.2	248.2	6.6	248.7	6.4
7/9/2021	1:45:00 AM	24.5	252.3	5.8	253.2	5.6
7/9/2021	1:50:00 AM	24.5	256.6	5.4	257.2	5.2
7/9/2021	1:55:00 AM	24.1	267	5.7	267.2	5.6
7/9/2021	2:00:00 AM	24.2	255.9	4.2	256.9	4
7/9/2021	2:05:00 AM	23.4	260	4	263.2	3.8
7/9/2021	2:10:00 AM	23.6	265.5	4.7	267.4	4.5
7/9/2021	2:15:00 AM	23.6	266.1	5.2	265.5	5
7/9/2021	2:20:00 AM	23.8	275.1	4.4	275.7	4.3
7/9/2021	2:25:00 AM	24.4	274.9	3.6	274.2	3.4
7/9/2021	2:30:00 AM	23.4	273.6	3.5	275.9	3.4
7/9/2021	2:35:00 AM	23.2	283.4	3.4	285	3.2
7/9/2021	2:40:00 AM	22.7	285.1	2	291	1.8
7/9/2021	2:45:00 AM	22.6	285.6	1.6	285.1	1.4
7/9/2021	2:50:00 AM	22.1	241	1.1	248.5	0.9
7/9/2021	2:55:00 AM	21.4	88.6	1	107.9	0.9
7/9/2021	3:00:00 AM	21.6	97.7	1.5	97.6	1.5
7/9/2021	3:05:00 AM	21.1	71.1	1.4	69.7	1.3
7/9/2021	3:10:00 AM	20.5	26.8	0	71	0.3
7/9/2021	3:15:00 AM	21	357.9	1.7	352.8	1.6
7/9/2021	3:20:00 AM	19.9	296.3	2.9	295.3	2.8
7/9/2021	3:25:00 AM	19.8	286.8	3.1	286.5	3
7/9/2021	3:30:00 AM	19.4	293.6	3.2	293	3.2
7/9/2021	3:35:00 AM	18.7	290.6	3.1	290.4	2.8
7/9/2021	3:40:00 AM	18.6	304	4.3	300.8	4
7/9/2021	3:45:00 AM	18.8	298	3.9	298.2	3.7
7/9/2021	3:50:00 AM	18.2	304.6	4.4	303.4	4.2
7/9/2021	3:55:00 AM	18.2	306.2	4.2	305.4	4.1
7/9/2021	4:00:00 AM	18.3	318.6	5.6	318.6	5.4
7/9/2021	4:05:00 AM	18.6	309.7	4.7	308.9	4.4
7/9/2021	4:10:00 AM	18.6	306.6	3.9	305.4	3.8
7/9/2021	4:15:00 AM	18.1	318.3	3.7	319.7	3.6
7/9/2021	4:20:00 AM	18.2	329.5	4.3	330.2	4.1

Site: South Scottsdale						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/9/2021	4:25:00 AM	18.6	336.4	3.8	336.8	3.7
7/9/2021	4:30:00 AM	19.2	332.3	4.1	330.4	4
7/9/2021	4:35:00 AM	19.6	329.3	4.7	329.4	4.5
7/9/2021	4:40:00 AM	19.5	326	4	325.9	3.9
7/9/2021	4:45:00 AM	19.1	331.3	5.1	331.5	5
7/9/2021	4:50:00 AM	18.9	329.1	5	328.3	4.8
7/9/2021	4:55:00 AM	19.2	325.7	3.4	325.7	3.3
7/9/2021	5:00:00 AM	19.4	317.5	4	317.5	3.8
7/9/2021	5:05:00 AM	19.6	306.3	4.9	306.3	4.7
7/9/2021	5:10:00 AM	20.3	312.3	4	311.6	3.9
7/9/2021	5:15:00 AM	20.3	302.6	4.3	302.3	4.2
7/9/2021	5:20:00 AM	20.4	297	3.7	296	3.5
7/9/2021	5:25:00 AM	19.8	299.9	3.9	298.9	3.7
7/9/2021	5:30:00 AM	20.3	293.5	5.6	292.8	5.4
7/9/2021	5:35:00 AM	21.1	285.4	4.6	285.3	4.4
7/9/2021	5:40:00 AM	21.4	276.8	3.5	278.8	3.4
7/9/2021	5:45:00 AM	22.4	274.1	2.9	276.7	2.4
7/9/2021	5:50:00 AM	23	290	3.4	290.5	3.2
7/9/2021	5:55:00 AM	22.9	197.4	1.8	179.8	0.9
7/9/2021	6:00:00 AM	25.1	126.3	2.7	125.7	2.7
7/9/2021	6:05:00 AM	27.1	120.3	2.4	119	2.4
7/9/2021	6:10:00 AM	29.2	122.4	2.1	121.2	2
7/9/2021	6:15:00 AM	28.9	119.7	2.8	120	2.8
7/9/2021	6:20:00 AM	28.8	114.4	3.1	114.3	3.1
7/9/2021	6:25:00 AM	31	95.6	1.3	107.1	1.3
7/9/2021	6:30:00 AM	32.1	118.6	0	163.9	0.5
7/9/2021	6:35:00 AM	31	342.8	1.5	5.7	1.2
7/9/2021	6:40:00 AM	28.7	302.6	3	326.8	2.5
7/9/2021	6:45:00 AM	27.4	256.9	1.4	255.4	0.8
7/9/2021	6:50:00 AM	25.7	320.5	2.9	319.7	2.6
7/9/2021	6:55:00 AM	25	295.6	0	297.2	0.7
7/9/2021	7:00:00 AM	24.8	15.2	1.7	20.6	1.5
7/9/2021	7:05:00 AM	25	318.1	4	320.1	3.7
7/9/2021	7:10:00 AM	24.7	17.9	3.6	15.9	3.5
7/9/2021	7:15:00 AM	30.5	58.4	3.3	59	3.1
7/9/2021	7:20:00 AM	34	29	2.4	25.3	1.5
7/9/2021	7:25:00 AM	34.6	349.2	0.9	323.2	0.3
7/9/2021	7:30:00 AM	32.7	306.2	3.3	301.8	2.7
7/9/2021	7:35:00 AM	31	256.9	1.9	257.7	1.7
7/9/2021	7:40:00 AM	30.3	265.9	3.3	268	3.2
7/9/2021	7:45:00 AM	29.3	281.4	2.6	284.7	2.4
7/9/2021	7:50:00 AM	26.7	262.8	2.7	261.3	2.5
7/9/2021	7:55:00 AM	26.5	281.4	3.1	282.7	3
7/9/2021	8:00:00 AM	<	295	4.9	295.4	4.7
7/9/2021	8:05:00 AM	<	301.5	4.1	299.2	4
7/9/2021	8:10:00 AM	<	265.7	3.6	267	3.4
7/9/2021	8:15:00 AM	<	290	4.4	288.3	4.1
7/9/2021	8:20:00 AM	<	269.1	4.7	270.3	4.5
7/9/2021	8:25:00 AM	<	279.8	3.2	274.5	2.7
7/9/2021	8:30:00 AM	<	316.3	3.9	316.6	3
7/9/2021	8:35:00 AM	<	264.5	4	264.4	3.7
7/9/2021	8:40:00 AM	<	293.9	1.2	266.8	0.5
7/9/2021	8:45:00 AM	<	245.7	3.3	245.8	3

Site: South Scottsdale						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	8:50:00 AM	<	216.6	2.9	219.4	2.5
7/9/2021	8:55:00 AM	<	296.4	2.5	298	2.1
7/9/2021	9:00:00 AM	<	282.5	3.5	279.2	3.2
7/9/2021	9:05:00 AM	<	239.7	3.2	245.8	2.9
7/9/2021	9:10:00 AM	<	214.4	1.2	211.4	0.8
7/9/2021	9:15:00 AM	<	254.8	2.3	259.8	2
7/9/2021	9:20:00 AM	<	304.4	4.2	294.5	3.8
7/9/2021	9:25:00 AM	<	314.5	1.1	265.9	0.7
7/9/2021	9:30:00 AM	<	260.4	3.8	266.3	3.3
7/9/2021	9:35:00 AM	<	283.8	5.2	282.2	5
7/9/2021	9:40:00 AM	<	282.7	3.7	278	3.3
7/9/2021	9:45:00 AM	<	243.9	3.4	247.8	3.2
7/9/2021	9:50:00 AM	<	246.8	4	244.7	3.8
7/9/2021	9:55:00 AM	<	246.9	3	242.4	2.6
7/9/2021	10:00:00 AM	25.6	143.7	2.8	148.6	2.5
7/9/2021	10:05:00 AM	26.2	142.2	2.2	145.4	2
7/9/2021	10:10:00 AM	27.1	162.9	3.1	166.3	2.8
7/9/2021	10:15:00 AM	27.7	207	2.6	245.1	1.3
7/9/2021	10:20:00 AM	29.1	248.3	4.8	252.3	4.5
7/9/2021	10:25:00 AM	30	213.2	4	227.2	3.1
7/9/2021	10:30:00 AM	30.5	247.5	2.1	264.9	1.5
7/9/2021	10:35:00 AM	31.5	271.1	4.1	272.1	3.5
7/9/2021	10:40:00 AM	33.3	198.6	1.5	197.1	0.4
7/9/2021	10:45:00 AM	36.7	141.8	4.7	142.7	4.5
7/9/2021	10:50:00 AM	38.2	135.6	4.4	136	4.3
7/9/2021	10:55:00 AM	38.1	180.3	4.3	167.2	4.1
7/9/2021	11:00:00 AM	37.6	151.1	4.7	155.4	4.2
7/9/2021	11:05:00 AM	37.4	213.3	2.5	208.2	2.2
7/9/2021	11:10:00 AM	36.4	155.8	1.4	158.1	0.7
7/9/2021	11:15:00 AM	36.7	124.7	3.6	128.1	3.3
7/9/2021	11:20:00 AM	35.8	159.4	4.5	159.4	4.2
7/9/2021	11:25:00 AM	35.5	141.5	2.9	139.3	2.6
7/9/2021	11:30:00 AM	37.5	131.3	5.4	134.1	5.1
7/9/2021	11:35:00 AM	39.6	92	5	91.6	4.6
7/9/2021	11:40:00 AM	39.7	129.2	2.8	125.1	2.4
7/9/2021	11:45:00 AM	40.7	191.7	3	201.2	2.4
7/9/2021	11:50:00 AM	40.4	197.2	6.1	199.9	5.1
7/9/2021	11:55:00 AM	40.1	238.3	5.8	239.5	4.9
7/9/2021	12:00:00 PM	40.6	243.9	5.2	239.6	4.6
7/9/2021	12:05:00 PM	44.6	242.2	4.5	251.3	3.9
7/9/2021	12:10:00 PM	46.4	221.8	3	221.1	2.5
7/9/2021	12:15:00 PM	46.5	230.6	6.2	226.5	5.9
7/9/2021	12:20:00 PM	47.2	231.7	6.8	232	6.2
7/9/2021	12:25:00 PM	47.6	196.8	7.1	199.8	6.8
7/9/2021	12:30:00 PM	47.3	203	6.9	203.3	6.7
7/9/2021	12:35:00 PM	46	145.6	4.9	148	4.2
7/9/2021	12:40:00 PM	45.3	191.8	5.4	194	4.3
7/9/2021	12:45:00 PM	43.5	234.2	6.4	234.3	5.9
7/9/2021	12:50:00 PM	40	292.5	7.6	293.4	7.1
7/9/2021	12:55:00 PM	37.2	285.6	4.7	281.9	4.2
7/9/2021	1:00:00 PM	34.8	274	8	274.5	7.5
7/9/2021	1:05:00 PM	34.4	261.6	7.8	263.6	7.3
7/9/2021	1:10:00 PM	34.7	283.7	8	279.8	7.7

Site: South Scottsdale						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	1:15:00 PM	34.3	312.6	5.4	310.3	5.2
7/9/2021	1:20:00 PM	33.8	291.6	4.9	289.5	4.1
7/9/2021	1:25:00 PM	33.1	254.9	9	256	8.7
7/9/2021	1:30:00 PM	32.2	251.8	7.3	250.2	6.9
7/9/2021	1:35:00 PM	31.5	262.8	9.8	263.2	9.4
7/9/2021	1:40:00 PM	30.7	240.9	9.2	242.5	9
7/9/2021	1:45:00 PM	29.8	235.8	6.4	236.2	6.2
7/9/2021	1:50:00 PM	29.3	267.9	6.1	269.7	5.6
7/9/2021	1:55:00 PM	29.5	277.5	5.7	285.7	5.4
7/9/2021	2:00:00 PM	29.5	282.1	8.5	281.9	8.2
7/9/2021	2:05:00 PM	28.8	283.3	7.9	281.6	7.4
7/9/2021	2:10:00 PM	27.8	295.4	8.5	294.4	7.7
7/9/2021	2:15:00 PM	26.7	277.2	9.2	275.7	8.7
7/9/2021	2:20:00 PM	26.9	274	10.5	272.8	10.2
7/9/2021	2:25:00 PM	28.3	306.9	9.2	307.2	8.7
7/9/2021	2:30:00 PM	29.3	299.9	8.1	299.8	7.8
7/9/2021	2:35:00 PM	29.7	295.4	7.4	303.5	6.8
7/9/2021	2:40:00 PM	29.6	279	6.5	279.6	5.8
7/9/2021	2:45:00 PM	29.9	261.3	8.4	261.3	7.6
7/9/2021	2:50:00 PM	29.7	274.9	8.3	275.8	7.9
7/9/2021	2:55:00 PM	30	263.1	7.3	265.3	6.9
7/9/2021	3:00:00 PM	30.7	263.3	6	264.2	5.4
7/9/2021	3:05:00 PM	30.7	268.4	5.1	263.6	4.6
7/9/2021	3:10:00 PM	30.2	292.9	5.3	294.5	5
7/9/2021	3:15:00 PM	30	297.4	7.4	294.7	6.7
7/9/2021	3:20:00 PM	29.7	290	8.1	291.5	7.7
7/9/2021	3:25:00 PM	29.2	275.9	10.1	275.1	9.6
7/9/2021	3:30:00 PM	29	253.2	9.2	253.9	8.9
7/9/2021	3:35:00 PM	27.8	261	6.1	259.1	5.9
7/9/2021	3:40:00 PM	26.3	272.6	6.4	272.4	5.5
7/9/2021	3:45:00 PM	25.4	274.8	8.5	276.4	8
7/9/2021	3:50:00 PM	25	289.7	8.2	289.7	8
7/9/2021	3:55:00 PM	24.2	271.7	6.6	275.2	6.1
7/9/2021	4:00:00 PM	23.9	245	6.3	245.1	6
7/9/2021	4:05:00 PM	23.6	263.7	4.8	270.5	4.4
7/9/2021	4:10:00 PM	23.4	243.4	9.9	244.2	9.7
7/9/2021	4:15:00 PM	22.9	252.9	7.7	253.1	7.6
7/9/2021	4:20:00 PM	22.8	250.9	7.7	252.2	7.5
7/9/2021	4:25:00 PM	22.3	255.2	8	255.7	7.7
7/9/2021	4:30:00 PM	22.3	247.9	4.2	250	3.8
7/9/2021	4:35:00 PM	22.7	243.5	8	252.2	7.4
7/9/2021	4:40:00 PM	22.5	242.6	5.9	244.3	5.5
7/9/2021	4:45:00 PM	22.1	252.7	11.1	253.8	10.8
7/9/2021	4:50:00 PM	22.3	244.7	4.7	248.7	4.5
7/9/2021	4:55:00 PM	21.9	293.7	4.9	283.3	4.1
7/9/2021	5:00:00 PM	22.1	262.7	10	262.7	9.7
7/9/2021	5:05:00 PM	22.2	266.7	7.1	266.8	6.9
7/9/2021	5:10:00 PM	22	236.6	8.9	236.9	8.6
7/9/2021	5:15:00 PM	23.2	260.4	6.8	258.6	6.3
7/9/2021	5:20:00 PM	23.4	264.9	9.1	263.4	8.6
7/9/2021	5:25:00 PM	23.4	232.5	6.6	233.9	6.3
7/9/2021	5:30:00 PM	24.2	252.8	6.1	254.8	5.8
7/9/2021	5:35:00 PM	24.7	270.6	7.6	271.3	7.2

Site: South Scottsdale						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	5:40:00 PM	24.6	269.3	7.6	268.7	7.3
7/9/2021	5:45:00 PM	24.8	267.1	5.6	268.6	5.1
7/9/2021	5:50:00 PM	25.4	272	5	274.4	4.5
7/9/2021	5:55:00 PM	25	249.3	7.8	247.6	7.5
7/9/2021	6:00:00 PM	24.5	282.2	7.3	284.4	7
7/9/2021	6:05:00 PM	24.9	257.4	6.7	256.4	6.3
7/9/2021	6:10:00 PM	25.1	253	7.3	252.7	7.1
7/9/2021	6:15:00 PM	23.6	244.7	6.4	243.2	6
7/9/2021	6:20:00 PM	23.4	248.5	5.3	249.1	5.1
7/9/2021	6:25:00 PM	23.9	255.2	4.4	260	4
7/9/2021	6:30:00 PM	24.1	277.2	6.6	276.9	6.3
7/9/2021	6:35:00 PM	24.4	257.3	8.1	257.7	8
7/9/2021	6:40:00 PM	24.2	246.4	6.4	247.1	6.2
7/9/2021	6:45:00 PM	23.7	243.3	7.6	244	7.3
7/9/2021	6:50:00 PM	23	227.3	5.8	226	5.6
7/9/2021	6:55:00 PM	23	235.5	7.5	235.8	7.3
7/9/2021	7:00:00 PM	22.5	252.2	6.8	250.8	6.5
7/9/2021	7:05:00 PM	22.3	248.6	7.6	249.3	7.4
7/9/2021	7:10:00 PM	21.9	244	7	243.6	6.7
7/9/2021	7:15:00 PM	21.8	254.7	8	254.5	7.8
7/9/2021	7:20:00 PM	21.6	256.7	7.7	256.7	7.5
7/9/2021	7:25:00 PM	21.4	252.1	8.1	253.1	7.8
7/9/2021	7:30:00 PM	21.5	248.9	7.2	249.7	7.1
7/9/2021	7:35:00 PM	21.5	248.6	5.4	249.5	5.2
7/9/2021	7:40:00 PM	21.3	255.5	7.1	254.5	6.8
7/9/2021	7:45:00 PM	21.7	244.8	7.3	244.7	7.2
7/9/2021	7:50:00 PM	22.3	234.2	7.8	234.3	7.6
7/9/2021	7:55:00 PM	22.7	239.4	6.5	240.2	6.3
7/9/2021	8:00:00 PM	23.8	243.6	5.4	245.3	5.2
7/9/2021	8:05:00 PM	24.6	247.6	8	248	7.8
7/9/2021	8:10:00 PM	24.4	241.8	7.7	241.8	7.4
7/9/2021	8:15:00 PM	24.4	241.9	9.3	242.3	9
7/9/2021	8:20:00 PM	22	237.7	8.8	238.6	8.5
7/9/2021	8:25:00 PM	20	240.6	10.5	241.8	10.2
7/9/2021	8:30:00 PM	20.4	249.4	9.5	249.6	9.2
7/9/2021	8:35:00 PM	20.5	241.3	7.6	242.1	7.4
7/9/2021	8:40:00 PM	21.4	240.4	9.2	239.6	9
7/9/2021	8:45:00 PM	23.7	240.3	7.8	240	7.6
7/9/2021	8:50:00 PM	25.2	245.1	9.5	245.6	9.3
7/9/2021	8:55:00 PM	24.2	243.2	9.8	243.7	9.6
7/9/2021	9:00:00 PM	23.3	241.3	9.7	241.2	9.5
7/9/2021	9:05:00 PM	23.2	237.9	10	238	9.7
7/9/2021	9:10:00 PM	24	245.8	9.9	245.4	9.6
7/9/2021	9:15:00 PM	26	246.1	9.9	246.4	9.6
7/9/2021	9:20:00 PM	26	243.6	9.1	242	8.8
7/9/2021	9:25:00 PM	25.7	248.8	8	249.5	7.8
7/9/2021	9:30:00 PM	26	242.4	8	242.6	7.9
7/9/2021	9:35:00 PM	27.2	245.5	6.8	246.2	6.6
7/9/2021	9:40:00 PM	26.7	234.6	3.7	235.9	3.5
7/9/2021	9:45:00 PM	26.3	226.4	5.7	228	5.5
7/9/2021	9:50:00 PM	26.8	238	7.7	238.4	7.4
7/9/2021	9:55:00 PM	26.5	247.4	7.2	248.4	7
7/9/2021	10:00:00 PM	25.1	237.1	6.2	238	6.1

Site: South Scottsdale						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	10:05:00 PM	24.3	236.7	4.3	236.6	4.2
7/9/2021	10:10:00 PM	25.2	239.8	4.7	238.6	4.6
7/9/2021	10:15:00 PM	25.2	214.9	3.6	214.9	3.5
7/9/2021	10:20:00 PM	26.9	145	3.2	144.2	3
7/9/2021	10:25:00 PM	30.6	151	4.9	151.4	4.8
7/9/2021	10:30:00 PM	33.5	143.3	7	143.4	6.9
7/9/2021	10:35:00 PM	36.8	129.2	17.6	126.9	16.4
7/9/2021	10:40:00 PM	58.3	117.6	14.5	118	14
7/9/2021	10:45:00 PM	170.2	123.8	20	124.7	19.3
7/9/2021	10:50:00 PM	679	140.5	20.6	139.4	20.1
7/9/2021	10:55:00 PM	2680.6	146.2	15.3	145.9	14.8
7/9/2021	11:00:00 PM	5241.6	137.5	12.8	138	12.3
7/9/2021	11:05:00 PM	6256.8	140.9	12.3	140.3	11.9
7/9/2021	11:10:00 PM	6223.2	149.2	11.8	149.2	11.6
7/9/2021	11:15:00 PM	5541.6	149.5	11	149	10.8
7/9/2021	11:20:00 PM	4534.6	156.8	3.9	151.6	3.8
7/9/2021	11:25:00 PM	3516.8	161.3	6.6	161.4	6.4
7/9/2021	11:30:00 PM	2636.7	168.5	8.7	168.2	8.6
7/9/2021	11:35:00 PM	1927.7	179.3	8.4	180.5	8.2
7/9/2021	11:40:00 PM	1389.3	180.6	5.5	181.1	5.1
7/9/2021	11:45:00 PM	993.6	132.7	5.3	133.8	5.1
7/9/2021	11:50:00 PM	710.8	134.3	3.9	135.6	3.4
7/9/2021	11:55:00 PM	506.8	186.3	6.3	186.5	5.9
Average		188.7	255	5.8	250.9	3.8
Max		6256.8	357.9	20.6	352.8	20.1
Max Hour		691279.1164	3815.410174	9.463256751	3814.660673	9.267372121
Min		18.1	15.2	0	5.7	0.3
Count		264	288	288	288	288
Total		49830	69494.6	1691.7	69326.6	1602.7
Date Printed:		9/30/2024 11:01				

Site: Tempe						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	12:00:00 AM		278.7	5.3	276.2	4.8
7/9/2021	12:05:00 AM		280.1	4.4	276	3.9
7/9/2021	12:10:00 AM		269.2	4.5	267.4	4
7/9/2021	12:15:00 AM		270.7	3.3	270	2.9
7/9/2021	12:20:00 AM		270.5	3.6	270.3	3
7/9/2021	12:25:00 AM		263	3.3	252.2	2.7
7/9/2021	12:30:00 AM		263.8	3.6	261.7	3.1
7/9/2021	12:35:00 AM		274.2	2.8	263	2.5
7/9/2021	12:40:00 AM		268.4	4.2	266	3.6
7/9/2021	12:45:00 AM		276.1	3.2	274.3	2.7
7/9/2021	12:50:00 AM		274.9	3.1	270.5	2.5
7/9/2021	12:55:00 AM		261.7	2.1	261.5	1.7
7/9/2021	1:00:00 AM		255.6	2.6	249.8	2.1
7/9/2021	1:05:00 AM		243.9	2.3	233.7	1.9
7/9/2021	1:10:00 AM		250.5	2	246.6	1.7
7/9/2021	1:15:00 AM		275.9	1.4	264.4	1.2
7/9/2021	1:20:00 AM		281.6	1.2	272.9	0.9
7/9/2021	1:25:00 AM		296.8	1.6	295	1.3
7/9/2021	1:30:00 AM		289.9	2	287.8	1.8
7/9/2021	1:35:00 AM		280.9	2.3	279	2.1
7/9/2021	1:40:00 AM		303.2	1.7	302.9	1.6
7/9/2021	1:45:00 AM		289.2	1.8	287.9	1.6
7/9/2021	1:50:00 AM		292.1	1.7	288.8	1.6
7/9/2021	1:55:00 AM		277.3	2.3	277.4	2.2
7/9/2021	2:00:00 AM		297.9	1.5	297.5	1.5
7/9/2021	2:05:00 AM		298.2	2	298.2	1.8
7/9/2021	2:10:00 AM		291.7	1.6	290.1	1.6
7/9/2021	2:15:00 AM		279.6	1.1	275.9	1
7/9/2021	2:20:00 AM		315.2	1.4	314.1	1
7/9/2021	2:25:00 AM		17.3	0	21	0
7/9/2021	2:30:00 AM		327.8	0	319.2	0.5
7/9/2021	2:35:00 AM		280.1	0	259.3	0.4
7/9/2021	2:40:00 AM		302.4	1.1	304	1
7/9/2021	2:45:00 AM		297.6	0	308.2	0.5
7/9/2021	2:50:00 AM		323.4	1	316.1	0.9
7/9/2021	2:55:00 AM		327.4	0	336.2	0.5
7/9/2021	3:00:00 AM		19.8	0	56.4	0.2
7/9/2021	3:05:00 AM		355.6	0	349.7	0.1
7/9/2021	3:10:00 AM		321.4	0	322.8	0.5
7/9/2021	3:15:00 AM		314.1	0	316.4	0
7/9/2021	3:20:00 AM		337	1.3	342.1	1.3
7/9/2021	3:25:00 AM		351	2.1	351.3	2
7/9/2021	3:30:00 AM		351	1	345.8	0.9
7/9/2021	3:35:00 AM		339.1	0	21	0
7/9/2021	3:40:00 AM		355.3	0	355.8	0.6
7/9/2021	3:45:00 AM		340	1.1	340.7	1
7/9/2021	3:50:00 AM		355.8	1.6	355.1	1.5
7/9/2021	3:55:00 AM		341.8	1.8	339.4	1.6
7/9/2021	4:00:00 AM		15.2	0	12.1	0.5
7/9/2021	4:05:00 AM		351.2	0	10.5	0.5
7/9/2021	4:10:00 AM		339.1	1	348.4	0.9
7/9/2021	4:15:00 AM		9.2	0	34.2	0
7/9/2021	4:20:00 AM		125	0	89.8	0.1

Site: Tempe						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	4:25:00 AM		81.5	1.5	81	1.5
7/9/2021	4:30:00 AM		41.2	0	57.4	0.7
7/9/2021	4:35:00 AM		11.7	0.9	16.6	0.8
7/9/2021	4:40:00 AM		17.5	1	18.1	0.9
7/9/2021	4:45:00 AM		2.7	0	2.9	0.3
7/9/2021	4:50:00 AM		344.8	0	334.3	0
7/9/2021	4:55:00 AM		26.7	0	37.8	0.1
7/9/2021	5:00:00 AM		130.1	0	90.7	0.3
7/9/2021	5:05:00 AM		106.8	0	99.8	0.6
7/9/2021	5:10:00 AM		23.9	0	24.6	0
7/9/2021	5:15:00 AM		48.1	1	67	0.9
7/9/2021	5:20:00 AM		97.9	2.3	97.8	2.2
7/9/2021	5:25:00 AM		82.3	2	82.7	1.9
7/9/2021	5:30:00 AM		39.8	0	55.5	0.8
7/9/2021	5:35:00 AM		48.3	0	57.5	0.5
7/9/2021	5:40:00 AM		53.5	0.9	55.7	0.9
7/9/2021	5:45:00 AM		37.3	0	41.4	0.5
7/9/2021	5:50:00 AM		54.5	0	61	0.7
7/9/2021	5:55:00 AM		71.8	1.7	70.4	1.7
7/9/2021	6:00:00 AM		68.9	1.9	68.8	1.9
7/9/2021	6:05:00 AM		43.2	1.8	45.7	1.6
7/9/2021	6:10:00 AM		40.1	1.8	42.6	1.8
7/9/2021	6:15:00 AM		49.2	1.9	48	1.8
7/9/2021	6:20:00 AM		36.9	1.3	39.3	1.3
7/9/2021	6:25:00 AM		54.6	2	59.5	1.9
7/9/2021	6:30:00 AM		23.6	1.5	23	1.4
7/9/2021	6:35:00 AM		36.1	1.3	33.6	1.2
7/9/2021	6:40:00 AM		19.2	1.2	19	1.1
7/9/2021	6:45:00 AM		12.8	2.2	12.2	2
7/9/2021	6:50:00 AM		17.2	1.3	16	1.3
7/9/2021	6:55:00 AM		16.6	1.4	14.9	1.3
7/9/2021	7:00:00 AM		7.5	2	6.4	1.9
7/9/2021	7:05:00 AM		10.5	1.3	7.6	1.2
7/9/2021	7:10:00 AM		22.6	1.6	25.2	1.5
7/9/2021	7:15:00 AM		6.9	1.7	7.8	1.6
7/9/2021	7:20:00 AM		14.2	1.3	16.6	1.2
7/9/2021	7:25:00 AM		45.4	1.5	56	1.3
7/9/2021	7:30:00 AM		33.7	1	49.8	0.8
7/9/2021	7:35:00 AM		62	2.2	59.7	2
7/9/2021	7:40:00 AM		83.1	2.1	78.6	1.7
7/9/2021	7:45:00 AM		81.2	3.5	81.1	3.3
7/9/2021	7:50:00 AM		73.1	3.2	75.3	3.1
7/9/2021	7:55:00 AM		65.1	2.2	68.6	2.1
7/9/2021	8:00:00 AM		78.7	2.9	80.8	2.7
7/9/2021	8:05:00 AM		34.4	3	33	2.8
7/9/2021	8:10:00 AM		83.7	2	82.7	1.8
7/9/2021	8:15:00 AM		14.4	1	23.9	0.8
7/9/2021	8:20:00 AM		52.3	1.3	70.4	1.1
7/9/2021	8:25:00 AM		85.5	2.4	86.3	2.2
7/9/2021	8:30:00 AM		89.8	2.5	91.6	2.1
7/9/2021	8:35:00 AM		104.1	2.3	110.9	1.9
7/9/2021	8:40:00 AM		250.4	1.5	158	0.1
7/9/2021	8:45:00 AM		226.1	3	243.6	2

Site: Tempe						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	8:50:00 AM		7.8	3.7	16.1	3.1
7/9/2021	8:55:00 AM		16.5	1.9	7.9	1.2
7/9/2021	9:00:00 AM		325.5	1.6	326.2	1.4
7/9/2021	9:05:00 AM		59.9	2	64.5	1.8
7/9/2021	9:10:00 AM		90.3	2.4	78.2	1.8
7/9/2021	9:15:00 AM		113.4	3.1	112.5	2.9
7/9/2021	9:20:00 AM		173.1	2.6	167.2	2.2
7/9/2021	9:25:00 AM		104.1	3	113.7	2.7
7/9/2021	9:30:00 AM		20.6	0	13.8	0.4
7/9/2021	9:35:00 AM		288.1	3	282.4	2.8
7/9/2021	9:40:00 AM		275.2	3.6	278.4	3.4
7/9/2021	9:45:00 AM		293.2	2.7	292.2	2.6
7/9/2021	9:50:00 AM		249.6	2.5	245.8	1.9
7/9/2021	9:55:00 AM		237.7	2.1	230.4	1.6
7/9/2021	10:00:00 AM		113.1	1.7	113.7	0.9
7/9/2021	10:05:00 AM		135	1.7	147.6	0.9
7/9/2021	10:10:00 AM		232.2	3.5	230.3	3.3
7/9/2021	10:15:00 AM		261.7	3.1	255.6	2.6
7/9/2021	10:20:00 AM		253.5	4	246.9	3.8
7/9/2021	10:25:00 AM		265.5	4	270.5	3.7
7/9/2021	10:30:00 AM		193.2	1.1	189.8	0.5
7/9/2021	10:35:00 AM		254	3.1	243.3	3
7/9/2021	10:40:00 AM		351.3	0	351.2	0.4
7/9/2021	10:45:00 AM		97.6	1.4	99.2	1.3
7/9/2021	10:50:00 AM		78.2	3.5	78.7	3.3
7/9/2021	10:55:00 AM		193.9	1.6	186.9	1
7/9/2021	11:00:00 AM		100.7	1.4	106.1	0.9
7/9/2021	11:05:00 AM		93.7	4.2	95.5	4
7/9/2021	11:10:00 AM		71.7	3.2	74.7	3
7/9/2021	11:15:00 AM		184.6	4.8	198.5	4.1
7/9/2021	11:20:00 AM		137.3	3.1	151	2.2
7/9/2021	11:25:00 AM		185.3	1.7	163.4	1.2
7/9/2021	11:30:00 AM		175.8	3.1	155.3	2.6
7/9/2021	11:35:00 AM		88.6	3.6	91.4	3.1
7/9/2021	11:40:00 AM		60.5	2.8	59.7	2.7
7/9/2021	11:45:00 AM		62.8	2.3	70.1	1.9
7/9/2021	11:50:00 AM		111	2.9	108.9	2.6
7/9/2021	11:55:00 AM		216.7	3.8	214.7	3.1
7/9/2021	12:00:00 PM		219.2	2.9	220.6	2.3
7/9/2021	12:05:00 PM		0.5	2.7	344.9	2.2
7/9/2021	12:10:00 PM		287.1	2.3	314.3	0.2
7/9/2021	12:15:00 PM		163.4	3.8	161.5	3.2
7/9/2021	12:20:00 PM		240.9	4.2	240.2	3.9
7/9/2021	12:25:00 PM		176.4	2	200	1.5
7/9/2021	12:30:00 PM		215.5	4.1	221.1	3.8
7/9/2021	12:35:00 PM		236.3	2.5	236.3	1.9
7/9/2021	12:40:00 PM		319.5	4.9	317.7	4.6
7/9/2021	12:45:00 PM		298.1	2.5	302.3	2.1
7/9/2021	12:50:00 PM		241.5	2.9	237.7	2.7
7/9/2021	12:55:00 PM		243.2	4.2	243.2	3.7
7/9/2021	1:00:00 PM		161.2	3.1	168.3	2.3
7/9/2021	1:05:00 PM		193.9	3	188.7	2.4
7/9/2021	1:10:00 PM		241.8	3.9	234.7	3.3

Site: Tempe						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	1:15:00 PM		237.9	4.4	246	3.2
7/9/2021	1:20:00 PM		223.7	4.8	215.8	4.2
7/9/2021	1:25:00 PM		300.8	5.5	300.7	5.2
7/9/2021	1:30:00 PM		305.5	5.3	306.6	5.1
7/9/2021	1:35:00 PM		302.3	5.7	303.5	5.1
7/9/2021	1:40:00 PM		313.2	4.7	313	4.1
7/9/2021	1:45:00 PM		289.6	5.4	287.8	5.1
7/9/2021	1:50:00 PM		295.5	5.7	292.2	4.6
7/9/2021	1:55:00 PM		268.4	7	259.9	6
7/9/2021	2:00:00 PM		291.8	4.7	288.6	4.5
7/9/2021	2:05:00 PM		273.4	5.3	271.8	4.7
7/9/2021	2:10:00 PM		298.1	2.7	293.4	2.5
7/9/2021	2:15:00 PM		286.8	5.8	286	5.4
7/9/2021	2:20:00 PM		263	5.5	263.5	4.8
7/9/2021	2:25:00 PM		253	5	250.2	4.4
7/9/2021	2:30:00 PM		248.8	6.1	249.8	5.3
7/9/2021	2:35:00 PM		276.5	4.9	284.1	4.1
7/9/2021	2:40:00 PM		304.7	6.3	303.6	5.9
7/9/2021	2:45:00 PM		290.2	3.8	288.2	3.4
7/9/2021	2:50:00 PM		269.6	4.8	263.2	4.1
7/9/2021	2:55:00 PM		244.6	5.6	237.5	4.9
7/9/2021	3:00:00 PM		280.2	5.5	284	4.7
7/9/2021	3:05:00 PM		296.6	6.4	296	6.1
7/9/2021	3:10:00 PM		310.9	5.2	310.4	4.9
7/9/2021	3:15:00 PM		275.2	3.3	276.8	2.7
7/9/2021	3:20:00 PM		262.6	3.5	258.6	2.9
7/9/2021	3:25:00 PM		284.8	4.6	282	4.1
7/9/2021	3:30:00 PM		292.8	5.5	289.5	5.2
7/9/2021	3:35:00 PM		290.5	5.4	285.1	4.5
7/9/2021	3:40:00 PM		257.5	4.3	257.1	3.3
7/9/2021	3:45:00 PM		287.2	4.7	286.8	4.2
7/9/2021	3:50:00 PM		272.3	4.7	272	4.4
7/9/2021	3:55:00 PM		294.5	4.7	294.6	4.2
7/9/2021	4:00:00 PM		295.2	5.6	298.2	4.9
7/9/2021	4:05:00 PM		256.7	3.5	246.8	3
7/9/2021	4:10:00 PM		289.5	5	288.9	4.5
7/9/2021	4:15:00 PM		294.1	6.1	291.3	5.7
7/9/2021	4:20:00 PM		285.5	6.2	286.9	5.9
7/9/2021	4:25:00 PM		298.5	3.6	296.4	3.2
7/9/2021	4:30:00 PM		266.2	2.9	273.2	2.6
7/9/2021	4:35:00 PM		276	4.1	280.9	3.5
7/9/2021	4:40:00 PM		293.2	3.9	295.3	3.6
7/9/2021	4:45:00 PM		265.5	2.9	267	2.5
7/9/2021	4:50:00 PM		284.6	2.2	282.2	1.9
7/9/2021	4:55:00 PM		286.9	6.8	287.5	6.1
7/9/2021	5:00:00 PM		278.6	4.7	278.9	4.1
7/9/2021	5:05:00 PM		278.9	4.7	280	4.3
7/9/2021	5:10:00 PM		274.7	4	251.4	3.5
7/9/2021	5:15:00 PM		285.8	4.4	286	3.9
7/9/2021	5:20:00 PM		252.7	3.9	246	3.5
7/9/2021	5:25:00 PM		291.6	6.9	292.4	6.6
7/9/2021	5:30:00 PM		306.5	5.3	305	4.9
7/9/2021	5:35:00 PM		306.2	3.1	310.6	2.7

Site: Tempe						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/9/2021	5:40:00 PM		279.7	5.1	284.5	4.6
7/9/2021	5:45:00 PM		247.9	4.5	242.1	4.1
7/9/2021	5:50:00 PM		256.1	3.4	251	2.9
7/9/2021	5:55:00 PM		289.1	3	288	2.8
7/9/2021	6:00:00 PM		277.3	3	277.2	2.6
7/9/2021	6:05:00 PM		296.9	5.1	295.6	4.9
7/9/2021	6:10:00 PM		306.1	3.5	309	3.1
7/9/2021	6:15:00 PM		262.1	3.5	259	3.2
7/9/2021	6:20:00 PM		278.9	3.2	278	3
7/9/2021	6:25:00 PM		248	5.3	242	4.9
7/9/2021	6:30:00 PM		289	3.9	286.5	3.7
7/9/2021	6:35:00 PM		267	3.7	261.5	3.2
7/9/2021	6:40:00 PM		270.8	3	271.7	2.6
7/9/2021	6:45:00 PM		230.5	5	229.6	4.6
7/9/2021	6:50:00 PM		228.6	5.2	227.8	5
7/9/2021	6:55:00 PM		241.2	5.1	236.7	4.8
7/9/2021	7:00:00 PM		239.5	4.5	229.8	4.2
7/9/2021	7:05:00 PM		237.5	3.8	235.6	3.6
7/9/2021	7:10:00 PM		247.7	3.2	233.1	2.9
7/9/2021	7:15:00 PM		238.7	3.2	237.5	3
7/9/2021	7:20:00 PM		253.5	2.4	244.3	2.2
7/9/2021	7:25:00 PM		236.6	3.5	236.5	3.2
7/9/2021	7:30:00 PM		237.9	5.1	234.3	4.8
7/9/2021	7:35:00 PM		270.5	2.1	257.9	1.7
7/9/2021	7:40:00 PM		245.1	4.5	240.6	4.2
7/9/2021	7:45:00 PM		238.2	3	236.6	2.8
7/9/2021	7:50:00 PM		234.1	4.1	232.8	3.9
7/9/2021	7:55:00 PM		240.5	3.2	235.7	3
7/9/2021	8:00:00 PM		233.8	2.6	233.8	2.4
7/9/2021	8:05:00 PM		245.1	2.6	240.5	2.2
7/9/2021	8:10:00 PM		250.4	1.9	244.8	1.7
7/9/2021	8:15:00 PM		252.9	2.7	249.3	2.4
7/9/2021	8:20:00 PM		252.8	3.5	246.6	3.1
7/9/2021	8:25:00 PM		247.3	4	242.2	3.6
7/9/2021	8:30:00 PM		246.5	4.4	241.8	3.9
7/9/2021	8:35:00 PM		238.6	6.3	236.2	6
7/9/2021	8:40:00 PM		241.8	4.6	239	4.3
7/9/2021	8:45:00 PM		233.7	5.8	233.3	5.5
7/9/2021	8:50:00 PM		248.1	3.8	241.7	3.4
7/9/2021	8:55:00 PM		251.5	2.9	244.3	2.6
7/9/2021	9:00:00 PM		254.9	4	249.1	3.6
7/9/2021	9:05:00 PM		260.6	2.6	264.7	2.2
7/9/2021	9:10:00 PM		275.4	1.9	277.4	1.7
7/9/2021	9:15:00 PM		268.1	2.1	268	2
7/9/2021	9:20:00 PM		252.2	2.5	253.9	2.1
7/9/2021	9:25:00 PM		244.7	2.6	240.3	2.3
7/9/2021	9:30:00 PM		254.1	2.1	246.3	1.8
7/9/2021	9:35:00 PM		280.3	1.8	276.5	1.6
7/9/2021	9:40:00 PM		249.8	2.6	244.3	2.4
7/9/2021	9:45:00 PM		256.9	2	243.8	1.6
7/9/2021	9:50:00 PM		263.2	1.9	254.1	1.5
7/9/2021	9:55:00 PM		286.2	2	276.4	1.7
7/9/2021	10:00:00 PM		276.3	1.7	266.6	1.5

Site: Tempe						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/9/2021	10:05:00 PM		253	1.5	245.1	1.4
7/9/2021	10:10:00 PM		287.8	1.5	273.3	1.1
7/9/2021	10:15:00 PM		37	0	118.2	0.2
7/9/2021	10:20:00 PM		113.5	2.4	105.4	2.3
7/9/2021	10:25:00 PM		97.9	3.1	97.8	3.1
7/9/2021	10:30:00 PM		111.8	7.7	114.6	7.2
7/9/2021	10:35:00 PM		93.3	17	92.7	16.4
7/9/2021	10:40:00 PM		105.7	13.4	108.7	12.1
7/9/2021	10:45:00 PM		96.7	15.7	97.9	15.1
7/9/2021	10:50:00 PM		103	10.4	103.7	9.6
7/9/2021	10:55:00 PM		115.7	14.5	116	13.8
7/9/2021	11:00:00 PM		123.3	10.9	124.6	10.1
7/9/2021	11:05:00 PM		129.7	10.7	129.6	9.8
7/9/2021	11:10:00 PM		146.3	8.5	146.6	8
7/9/2021	11:15:00 PM		156.5	7.3	156.8	6.8
7/9/2021	11:20:00 PM		179.4	7.9	181	7.7
7/9/2021	11:25:00 PM		175.6	7.4	177	7.1
7/9/2021	11:30:00 PM		189.4	9.7	189.8	9.4
7/9/2021	11:35:00 PM		196.3	10.1	195.4	9.7
7/9/2021	11:40:00 PM		202.5	9.6	200.7	9.2
7/9/2021	11:45:00 PM		196.5	8.9	195.7	8.7
7/9/2021	11:50:00 PM		206.1	9.9	205.1	9.5
7/9/2021	11:55:00 PM		198.3	10.6	197.7	10.1
Average			285	3.2	251.3	1.1
Max			355.8	17	355.8	16.4
Max Hour			10469.39127	6.684029714	10086.63731	5.864924022
Min			0.5	0	2.9	0
Count		0	288	288	288	288
Total		0	59222.2	949.4	58645.5	862.6

Site: Dysart						
Date	Time	PM ₁₀ (µg/m ³)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	12:00:00 AM	3458.1	153.9	17.4	153.7	17
7/10/2021	12:05:00 AM	2468.8	154.1	15.3	154.3	15
7/10/2021	12:10:00 AM	2042.4	159.2	14.6	159.6	14.3
7/10/2021	12:15:00 AM	1924	170.6	10.9	170.3	10.7
7/10/2021	12:20:00 AM	1769.2	175.3	11.8	176.6	11.5
7/10/2021	12:25:00 AM	1421	184.2	12	184.1	11.8
7/10/2021	12:30:00 AM	988.4	187.1	10.8	187.3	10.6
7/10/2021	12:35:00 AM	658.1	202.4	8.1	202.3	7.9
7/10/2021	12:40:00 AM	457.6	211.9	8.5	211.9	8.4
7/10/2021	12:45:00 AM	397.3	215.4	8.5	215.3	8.4
7/10/2021	12:50:00 AM	432.3	222.6	7.2	222	7.1
7/10/2021	12:55:00 AM	459.9	212.7	8.3	213.2	8.2
7/10/2021	1:00:00 AM	389	218.9	7.8	218.6	7.6
7/10/2021	1:05:00 AM	263.2	221	7	221	6.7
7/10/2021	1:10:00 AM	160.5	211.8	5.6	210.9	5.4
7/10/2021	1:15:00 AM	101.3	199.3	4.7	199.2	4.6
7/10/2021	1:20:00 AM	73.4	199.8	5.5	199.5	5.2
7/10/2021	1:25:00 AM	65	203.5	5.8	203.3	5.6
7/10/2021	1:30:00 AM	49.7	205.4	4	206.3	3.9
7/10/2021	1:35:00 AM	41.7	207.5	4.2	207.3	4.1
7/10/2021	1:40:00 AM	41.8	207.6	3.2	206.7	3
7/10/2021	1:45:00 AM	33.8	210.5	4.2	209.1	4
7/10/2021	1:50:00 AM	23	213.2	3.2	208.8	2.9
7/10/2021	1:55:00 AM	21.4	252.2	1.8	250.8	1.6
7/10/2021	2:00:00 AM	22.4	299.5	2.5	303.1	2.4
7/10/2021	2:05:00 AM	15.1	313.8	6.1	313.3	6
7/10/2021	2:10:00 AM	14.4	18.3	2.1	12.1	1.3
7/10/2021	2:15:00 AM	23	77.6	1.3	95.4	1
7/10/2021	2:20:00 AM	20.9	355.2	2.3	356.3	2.2
7/10/2021	2:25:00 AM	13.9	37.3	3.1	40.3	2.9
7/10/2021	2:30:00 AM	21.1	55.4	3.8	55.7	3.7
7/10/2021	2:35:00 AM	30.4	357	3.1	356.2	2.9
7/10/2021	2:40:00 AM	24	17.2	2.9	15.2	2.5
7/10/2021	2:45:00 AM	17.8	70.9	3.1	70.2	3
7/10/2021	2:50:00 AM	24.4	55.4	2.9	55.4	2.8
7/10/2021	2:55:00 AM	30	22.8	3.5	22.9	3.4
7/10/2021	3:00:00 AM	21.6	15.3	4.4	15	4.3
7/10/2021	3:05:00 AM	20.7	20.8	5.4	19.9	5.4
7/10/2021	3:10:00 AM	37.6	11.5	4.2	12.3	4
7/10/2021	3:15:00 AM	55.2	11.5	2.6	8.9	2.5
7/10/2021	3:20:00 AM	65.1	24.5	3.3	24.8	3.2
7/10/2021	3:25:00 AM	111.1	25.8	4.1	25.2	4
7/10/2021	3:30:00 AM	167.7	27.5	5.3	27.7	5.2
7/10/2021	3:35:00 AM	200.9	9.7	4.1	10.4	4
7/10/2021	3:40:00 AM	238.4	19.8	5.4	19.1	5.3
7/10/2021	3:45:00 AM	316.5	23	5.3	23	5.2
7/10/2021	3:50:00 AM	399.4	29.8	6	30.8	5.9
7/10/2021	3:55:00 AM	479.4	20.9	4.8	22.1	4.7
7/10/2021	4:00:00 AM	521.8	20.9	5.9	20.5	5.8
7/10/2021	4:05:00 AM	504.9	10.7	4.2	8.7	4
7/10/2021	4:10:00 AM	449.4	357.5	5.2	357.7	5.1
7/10/2021	4:15:00 AM	394.7	348.1	4.8	347.7	4.7
7/10/2021	4:20:00 AM	315.1	325.1	6.2	324.3	6
7/10/2021	4:25:00 AM	208.1	328.4	6.9	328.5	6.8

Site: Dysart						
Date	Time	PM ₁₀ (µg/m ³)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	4:30:00 AM	128.6	324.7	7.5	324.8	7.4
7/10/2021	4:35:00 AM	93.7	316.7	5.8	316.6	5.7
7/10/2021	4:40:00 AM	81.4	312.5	6	312.5	5.9
7/10/2021	4:45:00 AM	72.2	302.7	6.5	302.8	6.5
7/10/2021	4:50:00 AM	71.2	296.6	5.9	296.6	5.9
7/10/2021	4:55:00 AM	71.4	285.8	5.1	285.6	5
7/10/2021	5:00:00 AM	60.1	281.4	6	281.3	6
7/10/2021	5:05:00 AM	52.4	280.2	5.7	280.2	5.6
7/10/2021	5:10:00 AM	52.3	272.7	3.7	272.6	3.6
7/10/2021	5:15:00 AM	56.6	260	3.2	261.9	3.2
7/10/2021	5:20:00 AM	51.5	259.7	2.7	259.8	2.6
7/10/2021	5:25:00 AM	47.1	239.5	1.8	241.8	1.7
7/10/2021	5:30:00 AM	56.4	214	2.9	214.4	2.9
7/10/2021	5:35:00 AM	52.1	204.4	3.5	204.2	3.4
7/10/2021	5:40:00 AM	46.8	202.9	3	203	2.9
7/10/2021	5:45:00 AM	50.4	188.6	3.7	187.1	3.7
7/10/2021	5:50:00 AM	82	185.1	4.7	185	4.7
7/10/2021	5:55:00 AM	117.7	184.6	5.6	184.8	5.6
7/10/2021	6:00:00 AM	149.7	171.8	5.5	172.8	5.3
7/10/2021	6:05:00 AM	167.6	170.9	4.6	171.4	4.5
7/10/2021	6:10:00 AM	154.9	179.4	5.2	179.7	5.2
7/10/2021	6:15:00 AM	145	162.5	4.4	162.5	4.3
7/10/2021	6:20:00 AM	140.6	169.6	5.1	170	5
7/10/2021	6:25:00 AM	129.2	172.3	3.6	172.3	3.5
7/10/2021	6:30:00 AM	118.7	182.4	3.8	183.3	3.8
7/10/2021	6:35:00 AM	117.6	178.8	4.2	181	4.1
7/10/2021	6:40:00 AM	125.2	183.8	5.4	183.6	5.4
7/10/2021	6:45:00 AM	121.3	185	5.9	185.4	5.9
7/10/2021	6:50:00 AM	123.3	182.9	6.8	182.8	6.7
7/10/2021	6:55:00 AM	120.6	175.3	6.8	175	6.7
7/10/2021	7:00:00 AM	110.2	164.9	6.7	165	6.5
7/10/2021	7:05:00 AM	101.3	175.5	5.4	175.5	5.2
7/10/2021	7:10:00 AM	83.7	178	4.1	178.3	3.9
7/10/2021	7:15:00 AM	68.2	185.2	4.4	185.8	4.2
7/10/2021	7:20:00 AM	66.1	197.6	5.4	198.2	5.3
7/10/2021	7:25:00 AM	64.5	179.8	5.3	179.8	5.2
7/10/2021	7:30:00 AM	61.1	181.7	4.9	182.1	4.8
7/10/2021	7:35:00 AM	56.8	182.6	6.1	182.9	6
7/10/2021	7:40:00 AM	55.7	189.1	6.7	188.9	6.7
7/10/2021	7:45:00 AM	55.2	185.5	6.7	186	6.5
7/10/2021	7:50:00 AM	62.2	183.5	6.1	184.5	6
7/10/2021	7:55:00 AM	59.2	181.7	7.3	181.6	7.2
7/10/2021	8:00:00 AM	50.6	189.4	7.4	189.4	7.2
7/10/2021	8:05:00 AM	38.8	185.7	7.7	185.7	7.6
7/10/2021	8:10:00 AM	39.4	185.1	6.5	184.8	6.4
7/10/2021	8:15:00 AM	35.8	181.6	9	181.4	8.9
7/10/2021	8:20:00 AM	43.2	183.3	8.1	183.3	8
7/10/2021	8:25:00 AM	52.9	178.4	8.2	178.2	8.1
7/10/2021	8:30:00 AM	50.7	183.3	8	183.4	7.9
7/10/2021	8:35:00 AM	55.9	189.4	5.8	189.5	5.7
7/10/2021	8:40:00 AM	55.9	190.9	7.6	191.1	7.5
7/10/2021	8:45:00 AM	49.7	188.4	7.5	189.2	7.3
7/10/2021	8:50:00 AM	47	189.9	6.6	189.2	6.5
7/10/2021	8:55:00 AM	44.5	191.7	8	191.2	7.9

Site: Dysart						
Date	Time	PM ₁₀ (µg/m ³)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	9:00:00 AM	35	184.7	8.8	185.3	8.7
7/10/2021	9:05:00 AM	34.5	188.9	10.2	188.9	10.1
7/10/2021	9:10:00 AM	39.9	192.1	8.9	192	8.8
7/10/2021	9:15:00 AM	34.9	188.4	9.7	188.4	9.6
7/10/2021	9:20:00 AM	35.2	198.2	8.9	198	8.7
7/10/2021	9:25:00 AM	42.4	192.2	8.7	191.5	8.4
7/10/2021	9:30:00 AM	48.2	195.3	7.8	194.8	7.6
7/10/2021	9:35:00 AM	41.2	186.9	9.5	187	9.4
7/10/2021	9:40:00 AM	36	189.5	8.9	188.3	8.6
7/10/2021	9:45:00 AM	33	214.2	7.7	214.3	7.5
7/10/2021	9:50:00 AM	35.5	214.3	8.6	213.6	8.4
7/10/2021	9:55:00 AM	39.4	197.4	7.2	198.5	6.9
7/10/2021	10:00:00 AM	32.8	199.5	7.7	199.8	7.5
7/10/2021	10:05:00 AM	50	198.3	6.5	197.3	6
7/10/2021	10:10:00 AM	49.6	198.1	7.8	196.2	7.4
7/10/2021	10:15:00 AM	46	178.7	7.4	183	6.9
7/10/2021	10:20:00 AM	53.8	194.1	6.4	196.3	6.1
7/10/2021	10:25:00 AM	47.4	191.2	8.2	190.9	7.7
7/10/2021	10:30:00 AM	54.2	187.4	7.5	187.1	6.9
7/10/2021	10:35:00 AM	42.4	198.9	7.8	201.4	7.5
7/10/2021	10:40:00 AM	41.9	188.6	8.1	189.2	7.7
7/10/2021	10:45:00 AM	49.2	194	8.7	193.4	8.5
7/10/2021	10:50:00 AM	47.2	183.6	8.9	184.4	8.6
7/10/2021	10:55:00 AM	52.8	182.8	9.2	182.3	9
7/10/2021	11:00:00 AM	53.6	191.4	8.1	190.5	7.9
7/10/2021	11:05:00 AM	58.6	217.5	5.5	216.9	4.9
7/10/2021	11:10:00 AM	63.2	220.9	6.9	222.6	6.6
7/10/2021	11:15:00 AM	62.9	184.9	8.2	182.5	7.9
7/10/2021	11:20:00 AM	77.2	186.6	6.3	187.6	6
7/10/2021	11:25:00 AM	97	201.7	7.8	204	7.5
7/10/2021	11:30:00 AM	87.3	194.8	6.1	198.9	5.8
7/10/2021	11:35:00 AM	90.7	189.6	9.5	189.7	9.2
7/10/2021	11:40:00 AM	83.7	196.5	8.3	194.9	8
7/10/2021	11:45:00 AM	84.8	188.1	6.9	187.5	6.5
7/10/2021	11:50:00 AM	90.1	171.9	5.5	172.3	4.9
7/10/2021	11:55:00 AM	83.3	188.1	6.6	187.7	6.4
7/10/2021	12:00:00 PM	91.2	192.9	7	192.2	6.7
7/10/2021	12:05:00 PM	95.2	202	5.3	202.2	5
7/10/2021	12:10:00 PM	78.2	231.2	4.6	231.3	4.4
7/10/2021	12:15:00 PM	72.9	216.8	5.8	212.7	4.9
7/10/2021	12:20:00 PM	63.2	199.7	6.7	203.1	6.3
7/10/2021	12:25:00 PM	49.4	189.4	7.4	190.3	6.8
7/10/2021	12:30:00 PM	45.9	166.1	5.7	166.4	3.9
7/10/2021	12:35:00 PM	44.6	196.9	7.7	192.1	6.8
7/10/2021	12:40:00 PM	39.7	178.7	8.8	176.8	8.6
7/10/2021	12:45:00 PM	43	145.7	6.6	142.7	5.7
7/10/2021	12:50:00 PM	39.3	199.9	6.7	200.8	6.3
7/10/2021	12:55:00 PM	30.3	182.5	8	182.5	7.7
7/10/2021	1:00:00 PM	38.1	156.5	5.9	159	5.7
7/10/2021	1:05:00 PM	32.3	185.5	10.4	184.1	10
7/10/2021	1:10:00 PM	32.2	212.1	8.7	210.2	8.3
7/10/2021	1:15:00 PM	38.1	206	6.9	205.7	6.6
7/10/2021	1:20:00 PM	32.4	195.9	7.2	197.4	6.8
7/10/2021	1:25:00 PM	33.3	196.6	9.5	196.3	9.2

Site: Dysart						
Date	Time	PM ₁₀ (µg/m ³)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	1:30:00 PM	42.2	191.8	8.6	186.1	8.1
7/10/2021	1:35:00 PM	38.6	174	9.7	174.5	9.3
7/10/2021	1:40:00 PM	42.6	188.2	12.3	187	11.8
7/10/2021	1:45:00 PM	50	175.4	10.4	175.7	10.2
7/10/2021	1:50:00 PM	45.6	188.8	8.8	189.4	8.6
7/10/2021	1:55:00 PM	50	177.9	13	178	12.7
7/10/2021	2:00:00 PM	48.3	177.7	12.9	181.1	12.2
7/10/2021	2:05:00 PM	65	206.4	10	208	9.6
7/10/2021	2:10:00 PM	105.6	203.4	12.3	204.6	12
7/10/2021	2:15:00 PM	69.9	206.8	9.1	203.1	8
7/10/2021	2:20:00 PM	41	230.4	10.1	227	9.5
7/10/2021	2:25:00 PM	30.2	240.3	9.1	239.8	8.5
7/10/2021	2:30:00 PM	19.9	227.5	7.5	228.3	7.1
7/10/2021	2:35:00 PM	21.4	231.9	8.3	229.7	7.7
7/10/2021	2:40:00 PM	26.6	212	7.4	209.8	7.1
7/10/2021	2:45:00 PM	21.1	240.2	8.2	239.5	7.8
7/10/2021	2:50:00 PM	18.7	224	4.4	225.8	4.1
7/10/2021	2:55:00 PM	20.4	224.5	8.8	224.7	8.5
7/10/2021	3:00:00 PM	14.9	240.5	6.5	245.7	5.5
7/10/2021	3:05:00 PM	26.8	233.6	7.5	231.4	7.1
7/10/2021	3:10:00 PM	26.4	260.8	7.3	262.9	6.4
7/10/2021	3:15:00 PM	18.3	195.3	5.6	205.3	5.2
7/10/2021	3:20:00 PM	21.3	207.9	6.4	207.7	5.8
7/10/2021	3:25:00 PM	23	239.7	7.9	242.3	7.1
7/10/2021	3:30:00 PM	18.2	243.5	8.3	245.8	7.6
7/10/2021	3:35:00 PM	27.7	259.6	7.3	260.6	6.7
7/10/2021	3:40:00 PM	22.6	279.5	8.7	280.8	8.2
7/10/2021	3:45:00 PM	23.8	257.6	8.4	258.3	7.9
7/10/2021	3:50:00 PM	35.3	233.7	6.8	230.9	6.4
7/10/2021	3:55:00 PM	25.5	241.1	5.3	239.9	4.9
7/10/2021	4:00:00 PM	26.7	256.8	5.8	251.7	5.3
7/10/2021	4:05:00 PM	28.5	256.9	7.4	256.5	6.4
7/10/2021	4:10:00 PM	24.1	241	6.4	240.6	5.9
7/10/2021	4:15:00 PM	24.7	225.3	7.9	224.8	7.3
7/10/2021	4:20:00 PM	24.5	227.9	7	227.8	6.6
7/10/2021	4:25:00 PM	22.4	274	9.7	274.5	9.3
7/10/2021	4:30:00 PM	28.1	284.5	8.3	283.1	8.1
7/10/2021	4:35:00 PM	24.5	259.4	5.5	257.4	4.6
7/10/2021	4:40:00 PM	20.4	261	3.7	259.1	3.4
7/10/2021	4:45:00 PM	25.2	262.4	4.5	266.9	4.2
7/10/2021	4:50:00 PM	21.1	255.7	7.3	258	6.9
7/10/2021	4:55:00 PM	15.7	277.5	7.1	278.2	6.9
7/10/2021	5:00:00 PM	25.3	253	7.4	254.1	7.1
7/10/2021	5:05:00 PM	19.9	272.4	7	273	6.8
7/10/2021	5:10:00 PM	20.5	263.1	6.9	262.9	6.6
7/10/2021	5:15:00 PM	28.4	230.3	5.8	231.3	5.1
7/10/2021	5:20:00 PM	19.6	221.2	9.2	220.2	8.6
7/10/2021	5:25:00 PM	19	225.5	6.7	222.1	6.2
7/10/2021	5:30:00 PM	23.7	224.8	5.9	223	5.6
7/10/2021	5:35:00 PM	15.4	213.6	9.1	213.5	8.9
7/10/2021	5:40:00 PM	17.3	217.7	8.1	217.7	7.9
7/10/2021	5:45:00 PM	23.2	228	8.8	226.2	8.4
7/10/2021	5:50:00 PM	17	222.5	11.2	222.3	11
7/10/2021	5:55:00 PM	25.9	220.8	9.6	220.4	9.3

Site: Dysart						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	6:00:00 PM	26	214	10.8	213.8	10.5
7/10/2021	6:05:00 PM	22.3	228.1	8.3	227.4	7.6
7/10/2021	6:10:00 PM	34.8	222.1	7.5	222.7	6.9
7/10/2021	6:15:00 PM	26.1	215.5	7.1	215.8	6.9
7/10/2021	6:20:00 PM	26.7	213.9	8.8	214.7	8.5
7/10/2021	6:25:00 PM	34.7	215.9	8.6	215.8	8.4
7/10/2021	6:30:00 PM	28	223.6	7.9	222.5	7.5
7/10/2021	6:35:00 PM	30.5	217.1	8.6	217.1	8.4
7/10/2021	6:40:00 PM	30	216	9.2	216.5	9
7/10/2021	6:45:00 PM	22.9	218	8.2	217.6	8
7/10/2021	6:50:00 PM	33.2	221.6	8.2	222	8
7/10/2021	6:55:00 PM	32.5	220.7	7.8	220.3	7.6
7/10/2021	7:00:00 PM	30.2	224.5	6.8	225	6.6
7/10/2021	7:05:00 PM	36.7	201.7	5.4	203.7	5.1
7/10/2021	7:10:00 PM	32.1	195.9	5.9	197.5	5.7
7/10/2021	7:15:00 PM	32.6	197.6	5.9	197.4	5.7
7/10/2021	7:20:00 PM	38	215.1	4.8	213.6	4.6
7/10/2021	7:25:00 PM	29.4	165.3	3.5	169.9	2.8
7/10/2021	7:30:00 PM	42	111	4.3	111.6	4.2
7/10/2021	7:35:00 PM	53.8	109.2	5.8	109.6	5.7
7/10/2021	7:40:00 PM	48.2	100.5	6.5	100.4	6.3
7/10/2021	7:45:00 PM	57.7	91.6	7.4	91	7.2
7/10/2021	7:50:00 PM	78.7	81.1	14.8	80.1	14.3
7/10/2021	7:55:00 PM	229	88.8	10.4	89.5	9.8
7/10/2021	8:00:00 PM	335.4	61.8	18.1	61.3	17.6
7/10/2021	8:05:00 PM	395.4	68.7	11.4	68.4	11
7/10/2021	8:10:00 PM	310.7	78.1	13.1	79	12.7
7/10/2021	8:15:00 PM	241.7	83.4	9.8	82.1	9.3
7/10/2021	8:20:00 PM	195.8	98.1	10.6	98.8	10.2
7/10/2021	8:25:00 PM	204.8	98.4	10.4	99.3	10.1
7/10/2021	8:30:00 PM	179.5	120.2	9.1	119.7	8.8
7/10/2021	8:35:00 PM	119.5	129.4	8.3	129.5	8.1
7/10/2021	8:40:00 PM	90.7	135.3	8.2	135	8
7/10/2021	8:45:00 PM	75.6	132.5	8	132.2	7.8
7/10/2021	8:50:00 PM	61.6	139.5	7.2	139.5	7
7/10/2021	8:55:00 PM	48.3	154.3	7	154.8	6.9
7/10/2021	9:00:00 PM	56.7	165.9	6.8	166.5	6.6
7/10/2021	9:05:00 PM	55.1	166.1	6.4	166.2	6.3
7/10/2021	9:10:00 PM	52.6	140.5	13.3	139.2	12.9
7/10/2021	9:15:00 PM	209.6	153.5	12.2	151.2	11.8
7/10/2021	9:20:00 PM	449.1	159.9	12.1	160.7	11.9
7/10/2021	9:25:00 PM	454.6	162.4	17.9	163.4	17.2
7/10/2021	9:30:00 PM	1156.3	166.9	14	166.2	13.6
7/10/2021	9:35:00 PM	1409.6	165.5	17.7	165.6	17.3
7/10/2021	9:40:00 PM	1572.3	172.5	14.5	172.2	14.2
7/10/2021	9:45:00 PM	1437	174.6	13.4	174.5	13.2
7/10/2021	9:50:00 PM	1102.6	174.1	12.8	174.2	12.6
7/10/2021	9:55:00 PM	757.5	170.6	11.6	171.3	11.3
7/10/2021	10:00:00 PM	481.3	166.8	12.5	166.9	12.2
7/10/2021	10:05:00 PM	280.2	172.2	13.2	172	13
7/10/2021	10:10:00 PM	160.4	169.4	9.5	171.4	9.2
7/10/2021	10:15:00 PM	113.7	167.1	7.7	166.7	7.4
7/10/2021	10:20:00 PM	79.8	226.3	6	225.9	5.5
7/10/2021	10:25:00 PM	57.7	204.6	4.7	204.7	4.2

Site: Dysart						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	10:30:00 PM	48.6	249.4	5.7	249.8	5.4
7/10/2021	10:35:00 PM	56.7	249	4.6	249.3	4.4
7/10/2021	10:40:00 PM	55.6	230.7	3.8	229.1	3.6
7/10/2021	10:45:00 PM	124.4	221.5	7.5	221.1	7.3
7/10/2021	10:50:00 PM	317	220.8	9.8	220	9.5
7/10/2021	10:55:00 PM	347.4	186.2	10.1	186.1	9.8
7/10/2021	11:00:00 PM	268.1	160.4	7.9	166	7.4
7/10/2021	11:05:00 PM	246.3	145.6	3.7	144.8	3.4
7/10/2021	11:10:00 PM	298.5	202.9	5.2	202.2	5.1
7/10/2021	11:15:00 PM	381.3	206	4.1	206	4
7/10/2021	11:20:00 PM	405.6	252.3	3.4	248.9	3.2
7/10/2021	11:25:00 PM	384.3	282	4.2	281.9	4.1
7/10/2021	11:30:00 PM	320.4	266.1	3.7	262.5	3.4
7/10/2021	11:35:00 PM	301.2	244.1	4.2	243.8	4
7/10/2021	11:40:00 PM	314	255.7	4	255.7	3.8
7/10/2021	11:45:00 PM	306.6	241.5	3.8	243.1	3.6
7/10/2021	11:50:00 PM	274.7	255.8	4.8	255.7	4.5
7/10/2021	11:55:00 PM	227.9	261.3	5.6	262.1	5.5
Average		170.4	202	7.1	195.9	4.5
Max		3458.1	357.5	18.1	357.7	17.6
Max Hour		139482.5915	4386.151916	8.466146801	4382.680834	8.196004525
Min		13.9	9.7	1.3	8.7	1
Count		288	288	288	288	288
Total		49088.1	55092	2072.3	55108.4	1991.9
Date Printed:		9/30/2024 11:02				

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/10/2021	12:00:00 AM	5538	161.2	16.5	161.1	16.2
7/10/2021	12:05:00 AM	4887.1	156.2	13.4	156.5	13
7/10/2021	12:10:00 AM	4195.7	157.3	13	157	12.7
7/10/2021	12:15:00 AM	3460.7	158.1	13.1	158.5	12.9
7/10/2021	12:20:00 AM	2778.4	169	11.5	168.5	11.2
7/10/2021	12:25:00 AM	2204.8	174.3	11.5	174.3	11.3
7/10/2021	12:30:00 AM	1774.7	184.6	11.7	184.7	11.6
7/10/2021	12:35:00 AM	1439.4	191.8	11.6	191.8	11.4
7/10/2021	12:40:00 AM	1159.5	194.6	10.1	194.6	10
7/10/2021	12:45:00 AM	938.7	190.3	9.2	190.6	9.1
7/10/2021	12:50:00 AM	780.1	193.7	7.9	193.6	7.8
7/10/2021	12:55:00 AM	621.2	203.5	5.3	203.2	5.2
7/10/2021	1:00:00 AM	480.2	220.8	5.7	220.4	5.7
7/10/2021	1:05:00 AM	423.2	225.8	5.7	225.8	5.6
7/10/2021	1:10:00 AM	397.3	223.5	4.3	225.3	4.1
7/10/2021	1:15:00 AM	375.3	207	4.8	208.8	4.6
7/10/2021	1:20:00 AM	368.5	198.9	4.4	198.9	4.3
7/10/2021	1:25:00 AM	326.1	214.6	3	219.1	3
7/10/2021	1:30:00 AM	266.1	224.5	4	226.2	3.9
7/10/2021	1:35:00 AM	221.2	234.6	2.2	233.4	2.2
7/10/2021	1:40:00 AM	191.3	260.1	1.1	269.4	0.8
7/10/2021	1:45:00 AM	149.7	318.1	2.4	319.4	2.2
7/10/2021	1:50:00 AM	122.7	312.7	2.8	316.1	2.7
7/10/2021	1:55:00 AM	117.3	317.4	3.5	317.3	3.4
7/10/2021	2:00:00 AM	93	321.3	5.4	320.9	5.3
7/10/2021	2:05:00 AM	84.1	319.6	6.4	318.4	6.2
7/10/2021	2:10:00 AM	95.9	43.1	3.6	37.7	3
7/10/2021	2:15:00 AM	77.6	33.7	2.8	37.3	2.5
7/10/2021	2:20:00 AM	64	342.5	3.1	343.5	3
7/10/2021	2:25:00 AM	72.6	1.8	3.4	2.3	3.3
7/10/2021	2:30:00 AM	63.7	3.4	3.7	4.8	3.6
7/10/2021	2:35:00 AM	55.8	348.2	4.1	348.5	4.1
7/10/2021	2:40:00 AM	83.5	3.1	3.5	2.5	3.4
7/10/2021	2:45:00 AM	124	27.6	4	25.8	3.9
7/10/2021	2:50:00 AM	154.4	12.9	6.1	13	6
7/10/2021	2:55:00 AM	241.3	22.2	5.8	22.8	5.7
7/10/2021	3:00:00 AM	312	30.4	4.9	28.5	4.8
7/10/2021	3:05:00 AM	373.9	19.4	4.7	18.3	4.5
7/10/2021	3:10:00 AM	447	7.1	5.6	7.3	5.5
7/10/2021	3:15:00 AM	464.4	12.4	7.7	12.2	7.6
7/10/2021	3:20:00 AM	464.3	10.6	6.7	10.4	6.6
7/10/2021	3:25:00 AM	522.5	8.7	6.9	8.4	6.7
7/10/2021	3:30:00 AM	593.6	10.6	7.7	10.3	7.6
7/10/2021	3:35:00 AM	653.4	16.8	7.6	16.8	7.5
7/10/2021	3:40:00 AM	715.3	9.7	7.7	9.5	7.5
7/10/2021	3:45:00 AM	771.4	8.3	7.7	8.7	7.5
7/10/2021	3:50:00 AM	783.2	355.3	5.6	355.4	5.3
7/10/2021	3:55:00 AM	754.4	348.1	5.9	348	5.8
7/10/2021	4:00:00 AM	729.9	341	6.2	340.8	6.2
7/10/2021	4:05:00 AM	706.8	343.6	6.9	343.6	6.9
7/10/2021	4:10:00 AM	669.7	343.4	6.5	343.5	6.4
7/10/2021	4:15:00 AM	633.5	333.2	6.4	333.5	6.4
7/10/2021	4:20:00 AM	623.9	333.3	5	333.2	5
7/10/2021	4:25:00 AM	599.9	331.6	3.1	332.5	3.1

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	4:30:00 AM	563.7	325.2	2	325.1	2
7/10/2021	4:35:00 AM	542.9	326.5	1.7	328.3	1.6
7/10/2021	4:40:00 AM	507.5	273.4	1.3	271.5	1.2
7/10/2021	4:45:00 AM	483.1	246.4	2.1	246.5	2.1
7/10/2021	4:50:00 AM	450.9	251.1	3.5	251.2	3.5
7/10/2021	4:55:00 AM	395.2	244.3	3.7	244.2	3.7
7/10/2021	5:00:00 AM	329.6	243.1	3.8	243.2	3.8
7/10/2021	5:05:00 AM	263.4	257.2	3.5	257	3.5
7/10/2021	5:10:00 AM	214.2	258.1	2.7	258.4	2.7
7/10/2021	5:15:00 AM	172.3	244.8	2	245.1	2
7/10/2021	5:20:00 AM	143.7	213.8	1.9	214.9	1.9
7/10/2021	5:25:00 AM	123.3	187.1	2.1	187.2	2.1
7/10/2021	5:30:00 AM	108.9	185.9	2.2	186.3	2.1
7/10/2021	5:35:00 AM	97.2	175.1	2.2	175.4	2.2
7/10/2021	5:40:00 AM	92.5	181	3.6	181.5	3.6
7/10/2021	5:45:00 AM	84.6	183.3	5.2	183.2	5.2
7/10/2021	5:50:00 AM	78.3	184.8	5.4	184.8	5.4
7/10/2021	5:55:00 AM	71.1	186.3	5.2	186.4	5.1
7/10/2021	6:00:00 AM	65.5	193.4	3.8	192.8	3.7
7/10/2021	6:05:00 AM	60.4	200.4	3.4	200.4	3.4
7/10/2021	6:10:00 AM	55.7	184.9	5.1	184.2	5
7/10/2021	6:15:00 AM	59.7	162	5.5	162.3	5.4
7/10/2021	6:20:00 AM	83.6	160.9	4.3	160.6	4.2
7/10/2021	6:25:00 AM	110.2	157.4	5.7	157.7	5.6
7/10/2021	6:30:00 AM	128.4	150.2	4	154.1	3.8
7/10/2021	6:35:00 AM	139.6	138.9	3.6	139.4	3.6
7/10/2021	6:40:00 AM	138.6	144.8	2.6	144.3	2.5
7/10/2021	6:45:00 AM	136.8	126.7	2.9	126.5	2.9
7/10/2021	6:50:00 AM	136.4	130	4.5	129.9	4.4
7/10/2021	6:55:00 AM	125.6	141.4	4.2	141.7	4.1
7/10/2021	7:00:00 AM	124.1	153.5	6.2	153.6	6.2
7/10/2021	7:05:00 AM	116.4	153.1	6	153.6	5.9
7/10/2021	7:10:00 AM	102.1	134.9	5.1	134.8	5
7/10/2021	7:15:00 AM	104.4	153.6	4.2	154.3	4
7/10/2021	7:20:00 AM	105.4	154.7	3.8	155.3	3.7
7/10/2021	7:25:00 AM	97.8	141.5	3	141.5	2.9
7/10/2021	7:30:00 AM	98.7	165.4	3.1	164.9	3
7/10/2021	7:35:00 AM	99.7	148.3	3.2	148.1	3.1
7/10/2021	7:40:00 AM	92.1	168.7	3.9	168.9	3.8
7/10/2021	7:45:00 AM	76.8	169.2	4.9	172.1	4.7
7/10/2021	7:50:00 AM	72.7	195.2	9.3	194.8	9.2
7/10/2021	7:55:00 AM	84	187.5	9.1	188	9
7/10/2021	8:00:00 AM	86.6	196.9	10.8	196.9	10.7
7/10/2021	8:05:00 AM	79.4	195.8	11.1	195.4	11
7/10/2021	8:10:00 AM	66.6	201.3	10.7	201.4	10.7
7/10/2021	8:15:00 AM	55.8	199.4	10.9	199.5	10.8
7/10/2021	8:20:00 AM	47.7	197	10.1	197.9	9.9
7/10/2021	8:25:00 AM	44.5	191.4	9.2	191.8	9.1
7/10/2021	8:30:00 AM	44.4	192.5	8.6	193.7	8.4
7/10/2021	8:35:00 AM	44.8	176.4	7.2	176.7	6.9
7/10/2021	8:40:00 AM	47.1	163.4	7.1	163.4	6.9
7/10/2021	8:45:00 AM	53.7	178	6.8	178.3	6.6
7/10/2021	8:50:00 AM	61.5	172.4	8.3	173	8.2
7/10/2021	8:55:00 AM	67.1	200.1	9.9	199.9	9.7

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	9:00:00 AM	65.3	203.5	10	202.9	9.9
7/10/2021	9:05:00 AM	61.6	179.9	8.1	179.9	7.9
7/10/2021	9:10:00 AM	56.6	184.1	9.5	184	9.2
7/10/2021	9:15:00 AM	51.1	212.3	9.9	212.4	9.7
7/10/2021	9:20:00 AM	46.1	203.6	10.7	202.7	10.5
7/10/2021	9:25:00 AM	41.6	209.6	8.8	209.9	8.6
7/10/2021	9:30:00 AM	40.7	177.1	10	177.2	9.7
7/10/2021	9:35:00 AM	41.2	191.2	8	191	7.9
7/10/2021	9:40:00 AM	40.8	207.2	10.3	207.4	10.2
7/10/2021	9:45:00 AM	38.9	191.3	9	191.7	8.9
7/10/2021	9:50:00 AM	38.7	182.4	8.3	182.7	8
7/10/2021	9:55:00 AM	35.8	206.3	8.1	206.3	8
7/10/2021	10:00:00 AM	34.2	197.1	8.6	196.4	8.2
7/10/2021	10:05:00 AM	35.5	178.2	7.4	177.7	7.2
7/10/2021	10:10:00 AM	35.9	210	5.2	209.5	4.6
7/10/2021	10:15:00 AM	38.8	204.1	7.6	203.4	7.2
7/10/2021	10:20:00 AM	43.2	215.3	6.9	216	6.5
7/10/2021	10:25:00 AM	44.4	206.2	7	204.1	6.2
7/10/2021	10:30:00 AM	46.1	205	5.8	202.8	5.3
7/10/2021	10:35:00 AM	45.7	245.9	5.9	244.2	5.5
7/10/2021	10:40:00 AM	48.9	218.3	6.3	215.9	6
7/10/2021	10:45:00 AM	55.3	221	6.3	222.1	6.1
7/10/2021	10:50:00 AM	62.7	241.6	5.2	237.9	4.8
7/10/2021	10:55:00 AM	69.4	203.5	5.9	201	5.6
7/10/2021	11:00:00 AM	74.5	174.5	6.9	171.9	6.5
7/10/2021	11:05:00 AM	77.4	162.4	5.8	162.1	5.6
7/10/2021	11:10:00 AM	78.5	158.4	5.8	158.4	5.6
7/10/2021	11:15:00 AM	79.5	199.9	6.4	199.2	6
7/10/2021	11:20:00 AM	82.4	168.5	7.4	165.6	7
7/10/2021	11:25:00 AM	90.2	186.4	7.3	190.4	7
7/10/2021	11:30:00 AM	94.8	203.5	5.6	201.7	5.4
7/10/2021	11:35:00 AM	95	190.9	6.9	186.7	6.3
7/10/2021	11:40:00 AM	99.3	160.1	5	162.7	4.6
7/10/2021	11:45:00 AM	101.9	184.9	3.5	192.6	2.9
7/10/2021	11:50:00 AM	102.2	167	7.1	181.2	5.5
7/10/2021	11:55:00 AM	101.8	226	7	225.7	6.6
7/10/2021	12:00:00 PM	101.5	167.1	5.3	160.8	4.6
7/10/2021	12:05:00 PM	103.4	200.6	6.2	211	5.1
7/10/2021	12:10:00 PM	96.6	198.7	4.2	203.9	3.1
7/10/2021	12:15:00 PM	89	166.3	6.7	166.8	6.5
7/10/2021	12:20:00 PM	88	173.2	5.6	169.6	4.8
7/10/2021	12:25:00 PM	92	191.3	6.6	192	6.3
7/10/2021	12:30:00 PM	94.1	200.9	5.4	202.2	5.2
7/10/2021	12:35:00 PM	92.1	170.7	3.1	190.3	2.6
7/10/2021	12:40:00 PM	80.4	242.3	1.7	282.5	0.5
7/10/2021	12:45:00 PM	78.2	207.9	5.6	218.3	4.9
7/10/2021	12:50:00 PM	75.1	228.3	10.8	228.8	10.6
7/10/2021	12:55:00 PM	70.2	239.2	7.7	242.5	7.5
7/10/2021	1:00:00 PM	66.7	222.5	5.2	216.5	4.8
7/10/2021	1:05:00 PM	65.7	206.1	8.6	205.9	8.2
7/10/2021	1:10:00 PM	61.9	198.9	6.8	195.4	6.1
7/10/2021	1:15:00 PM	57.1	212.1	6.6	208	5.6
7/10/2021	1:20:00 PM	52.9	175.5	7.3	174.9	7
7/10/2021	1:25:00 PM	48.2	212.4	6.7	206.9	6.2

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m³)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	1:30:00 PM	45.9	178.9	6	179.1	5.8
7/10/2021	1:35:00 PM	41.5	177.6	9.9	178.9	9.4
7/10/2021	1:40:00 PM	40.1	213	9.7	213.1	9.5
7/10/2021	1:45:00 PM	38.1	184.4	9.8	184.1	9.3
7/10/2021	1:50:00 PM	38	190.2	12.2	190.3	11.8
7/10/2021	1:55:00 PM	37.3	191	10.1	190.2	9.5
7/10/2021	2:00:00 PM	37.1	194.5	12.7	194.2	11.7
7/10/2021	2:05:00 PM	37.6	193.7	11.1	194.4	11
7/10/2021	2:10:00 PM	37.9	197.4	12	201.3	11.4
7/10/2021	2:15:00 PM	37	203.1	11.6	196.3	10.7
7/10/2021	2:20:00 PM	33.6	259.5	6.1	261	5.5
7/10/2021	2:25:00 PM	28.4	267.6	11.8	267.7	11.5
7/10/2021	2:30:00 PM	27.3	257	12.4	256.8	12.1
7/10/2021	2:35:00 PM	28.3	269.7	9.3	268.8	8.9
7/10/2021	2:40:00 PM	28.4	249.6	10.7	253.6	9.6
7/10/2021	2:45:00 PM	26.6	260.1	9.6	260.9	9.3
7/10/2021	2:50:00 PM	25.6	277.5	8.5	279.2	8.3
7/10/2021	2:55:00 PM	25.8	241.2	11	242.1	10.4
7/10/2021	3:00:00 PM	27.4	267.4	10.8	265.4	10
7/10/2021	3:05:00 PM	28.5	260.4	10.2	260.1	10
7/10/2021	3:10:00 PM	29	255	12.7	255.6	12.4
7/10/2021	3:15:00 PM	29	239.1	11.8	237.6	10.9
7/10/2021	3:20:00 PM	30.3	220.1	9.7	220.1	9.4
7/10/2021	3:25:00 PM	31.1	204.7	12.5	203.6	12.2
7/10/2021	3:30:00 PM	31.9	209.3	10.5	206.8	10.2
7/10/2021	3:35:00 PM	30.6	211.1	6.4	211.8	6
7/10/2021	3:40:00 PM	26	259.5	11.5	259.5	11.2
7/10/2021	3:45:00 PM	20.2	265	9.3	265.8	9.1
7/10/2021	3:50:00 PM	19.1	256.3	8.1	255.3	7.9
7/10/2021	3:55:00 PM	21.6	239.1	10.6	237.8	10.4
7/10/2021	4:00:00 PM	23.7	250.2	8	251.4	7.3
7/10/2021	4:05:00 PM	24.1	272.1	9.6	272	8.9
7/10/2021	4:10:00 PM	25.1	233.8	10.2	233.9	9.9
7/10/2021	4:15:00 PM	26	236.1	12.1	237.3	11.5
7/10/2021	4:20:00 PM	27.3	239.3	11.8	240	11.1
7/10/2021	4:25:00 PM	25.3	265.9	9.2	265.7	9.1
7/10/2021	4:30:00 PM	23.1	258.4	10.3	257.4	9.5
7/10/2021	4:35:00 PM	22.3	260.1	8.1	260.5	7.8
7/10/2021	4:40:00 PM	21.5	264.9	7.7	267	7.3
7/10/2021	4:45:00 PM	21.5	238.8	10.4	238	10.2
7/10/2021	4:50:00 PM	21.9	235	10.3	235.5	10.1
7/10/2021	4:55:00 PM	20.8	243.4	10.8	242.5	10.6
7/10/2021	5:00:00 PM	19.3	231.9	9.9	231.7	9.7
7/10/2021	5:05:00 PM	18.8	230	9.5	231.7	9.2
7/10/2021	5:10:00 PM	19.1	232.6	10.4	232.4	10.1
7/10/2021	5:15:00 PM	21.2	230.1	10.6	230.1	10.5
7/10/2021	5:20:00 PM	21.2	244.8	9.3	244.9	9.1
7/10/2021	5:25:00 PM	20.5	242.7	10.1	243	9.9
7/10/2021	5:30:00 PM	19.9	239.9	9	240.4	8.8
7/10/2021	5:35:00 PM	19.1	246.9	11	247.2	10.9
7/10/2021	5:40:00 PM	18.4	232.6	11	232.4	10.7
7/10/2021	5:45:00 PM	20.3	225	13	225.8	12.6
7/10/2021	5:50:00 PM	21.5	227.1	14.8	226.9	14.5
7/10/2021	5:55:00 PM	22.2	224.3	11.5	224.4	11.4

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	6:00:00 PM	23.2	220.8	12.6	221	12.4
7/10/2021	6:05:00 PM	24.2	214.5	12.6	214.1	12.3
7/10/2021	6:10:00 PM	25.2	213.1	12.8	213.2	12.7
7/10/2021	6:15:00 PM	26	215.6	12.5	215.9	12.4
7/10/2021	6:20:00 PM	25.9	212.9	12.1	212.7	11.9
7/10/2021	6:25:00 PM	27.9	214.8	11.5	215.2	11.4
7/10/2021	6:30:00 PM	29.2	209	10.4	208.6	10.3
7/10/2021	6:35:00 PM	28.8	216.5	9.9	216.5	9.8
7/10/2021	6:40:00 PM	28.6	210.5	10.5	210.3	10.4
7/10/2021	6:45:00 PM	28	219.6	10.5	220.1	10.3
7/10/2021	6:50:00 PM	27.4	208	10.5	208.4	10.5
7/10/2021	6:55:00 PM	27.4	208.8	9.1	209.1	9
7/10/2021	7:00:00 PM	29.4	200.2	8	201.2	7.9
7/10/2021	7:05:00 PM	32	194.4	6.9	195.1	6.7
7/10/2021	7:10:00 PM	33.8	166	5.2	167.8	4.9
7/10/2021	7:15:00 PM	35.7	148.5	5.9	147.9	5.6
7/10/2021	7:20:00 PM	36.2	123.2	7.8	123.1	7.7
7/10/2021	7:25:00 PM	36.7	115.4	6.9	116.2	6.7
7/10/2021	7:30:00 PM	36.5	107	7.8	107.1	7.7
7/10/2021	7:35:00 PM	34.8	81.5	7.8	80.7	7.7
7/10/2021	7:40:00 PM	36.9	65.5	16.8	65.3	16.1
7/10/2021	7:45:00 PM	68.5	70	17.9	68.9	17.4
7/10/2021	7:50:00 PM	216.5	66.6	19	66.3	18.7
7/10/2021	7:55:00 PM	408.3	81.7	14.8	81.3	14.4
7/10/2021	8:00:00 PM	477.4	73.7	17.8	73.3	17.4
7/10/2021	8:05:00 PM	456.3	79	15.2	79	14.9
7/10/2021	8:10:00 PM	388.9	78.6	12	79.1	11.8
7/10/2021	8:15:00 PM	315.9	86.1	8.4	86.7	8.2
7/10/2021	8:20:00 PM	256.1	86.7	14.9	86.7	14.6
7/10/2021	8:25:00 PM	210.2	92.1	15.4	92.4	15.2
7/10/2021	8:30:00 PM	177	101.8	12	101.3	11.8
7/10/2021	8:35:00 PM	143.3	113.1	12.6	112.8	12.5
7/10/2021	8:40:00 PM	110.6	116.5	11.5	116.4	11.3
7/10/2021	8:45:00 PM	84.3	121.8	9.3	121.7	9.1
7/10/2021	8:50:00 PM	58.4	129.6	9.2	129.5	9.1
7/10/2021	8:55:00 PM	33.5	138.8	8.1	138.3	7.9
7/10/2021	9:00:00 PM	22.1	149.2	7.5	149.8	7.4
7/10/2021	9:05:00 PM	25.5	119.9	11.4	119.8	11.2
7/10/2021	9:10:00 PM	44.5	127	18.6	127.1	18.1
7/10/2021	9:15:00 PM	95.7	139.2	18	139.3	17.7
7/10/2021	9:20:00 PM	163.3	137.6	16.7	137.8	16.5
7/10/2021	9:25:00 PM	219	149.1	14.9	149.3	14.4
7/10/2021	9:30:00 PM	270.4	167.6	18.5	168	18.1
7/10/2021	9:35:00 PM	324.8	169.8	13.4	171.5	13.1
7/10/2021	9:40:00 PM	375.1	179.9	18.4	180.5	18.2
7/10/2021	9:45:00 PM	432.7	191.6	18.3	191.5	18.1
7/10/2021	9:50:00 PM	564.6	177.1	17	178.2	16.4
7/10/2021	9:55:00 PM	705.8	164.5	12.8	165.7	12.4
7/10/2021	10:00:00 PM	771.7	148.8	11.1	149.8	10.7
7/10/2021	10:05:00 PM	761.5	171.5	8.1	172	8
7/10/2021	10:10:00 PM	695.9	183	8.6	183.2	8.5
7/10/2021	10:15:00 PM	604.2	193.4	6.4	193.9	6.3
7/10/2021	10:20:00 PM	500	202.4	6.4	201.5	6.1
7/10/2021	10:25:00 PM	395.9	246.6	5.8	246	5.6

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/10/2021	10:30:00 PM	305.3	305.8	3.4	287.4	2.5
7/10/2021	10:35:00 PM	238	0.6	3.1	336.6	1.9
7/10/2021	10:40:00 PM	188.5	346.6	4.3	330.1	3.1
7/10/2021	10:45:00 PM	152.9	32.1	1.3	36.1	1.2
7/10/2021	10:50:00 PM	131	85.1	3.4	97.4	3.3
7/10/2021	10:55:00 PM	120.2	105.1	8.4	105	8.3
7/10/2021	11:00:00 PM	103.4	103.9	6.9	104.2	6.8
7/10/2021	11:05:00 PM	90.5	108.1	7.7	108.9	7.5
7/10/2021	11:10:00 PM	81.3	105.8	10.7	105.8	10.5
7/10/2021	11:15:00 PM	79.6	105	10.5	104.8	10.3
7/10/2021	11:20:00 PM	83.4	104.6	9.1	105.3	8.9
7/10/2021	11:25:00 PM	97.6	98.9	6.7	99.2	6.6
7/10/2021	11:30:00 PM	115.4	93.8	6.6	94.3	6.5
7/10/2021	11:35:00 PM	129.3	92.7	6.5	93.3	6.4
7/10/2021	11:40:00 PM	137.6	89.7	4.5	90.3	4.4
7/10/2021	11:45:00 PM	139.5	78	3.3	77.8	3.2
7/10/2021	11:50:00 PM	131.2	25.9	1.6	25.3	1
7/10/2021	11:55:00 PM	132.3	292.8	2.8	290.8	2.5
Average		248.6	196	7.9	191.9	4.1
Max		5538	355.3	19	355.4	18.7
Max Hour		359763.294	5624.38631	14.56961564	5576.286442	14.31871842
Min		18.4	0.6	1.1	2.3	0.5
Count		288	288	288	288	288
Total		71623.6	53468.8	2289.3	53892.6	2214.3

Site: Buckeye						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/12/2021	12:00:00 AM	15.4	218.8	2.4	220.2	2.2
7/12/2021	12:05:00 AM	13.9	219.1	2.5	214	2.2
7/12/2021	12:10:00 AM	14.7	201.1	1.6	195.7	1.4
7/12/2021	12:15:00 AM	13.5	179.3	1.3	183.7	1.2
7/12/2021	12:20:00 AM	12	176.9	1.3	180.3	1.2
7/12/2021	12:25:00 AM	13.7	207.6	0.9	219.8	0.6
7/12/2021	12:30:00 AM	40.3	302.7	1	301.3	1
7/12/2021	12:35:00 AM	27.7	341.4	0	343	0.8
7/12/2021	12:40:00 AM	25	309.2	0	317.9	0.7
7/12/2021	12:45:00 AM	19.1	299.6	0	303.1	0.7
7/12/2021	12:50:00 AM	17	284.5	1.2	284.5	1.2
7/12/2021	12:55:00 AM	31.1	301.7	2.2	301.8	2.1
7/12/2021	1:00:00 AM	27	305.7	1.9	307.4	1.9
7/12/2021	1:05:00 AM	20.4	263.1	2.2	261.3	2.1
7/12/2021	1:10:00 AM	12	252.7	2.3	252.3	2.3
7/12/2021	1:15:00 AM	16	252.4	2.6	251.1	2.6
7/12/2021	1:20:00 AM	14.3	242.4	3.9	242.4	3.9
7/12/2021	1:25:00 AM	10.5	220.5	2.6	223.3	2.4
7/12/2021	1:30:00 AM	14.8	241.6	3.2	240.7	3.1
7/12/2021	1:35:00 AM	19.3	283.7	2.2	278.1	2
7/12/2021	1:40:00 AM	30.5	352.9	2.5	358.8	2.4
7/12/2021	1:45:00 AM	49.2	12.1	4.4	12.3	4.3
7/12/2021	1:50:00 AM	37.5	5.5	3.3	7.5	3.2
7/12/2021	1:55:00 AM	35.2	352.3	3.1	351.1	3
7/12/2021	2:00:00 AM	26.1	338	3.8	338	3.8
7/12/2021	2:05:00 AM	19.9	328.6	2.6	328.8	2.6
7/12/2021	2:10:00 AM	14.6	328.5	3.2	328.5	3.2
7/12/2021	2:15:00 AM	21.3	328.3	3.9	328.2	3.9
7/12/2021	2:20:00 AM	32.2	323.5	3.5	323.6	3.4
7/12/2021	2:25:00 AM	38.4	323	3.5	322.8	3.5
7/12/2021	2:30:00 AM	44.2	314.5	3.6	314.4	3.6
7/12/2021	2:35:00 AM	35.2	305	2.2	306	2.2
7/12/2021	2:40:00 AM	32.9	246.1	0	271.1	0.3
7/12/2021	2:45:00 AM	23.3	247.7	1.4	249.2	1.3
7/12/2021	2:50:00 AM	22.8	272.9	1.4	272.9	1.4
7/12/2021	2:55:00 AM	29	247	0	234.9	0.5
7/12/2021	3:00:00 AM	23.3	210.3	1.2	210	1.2
7/12/2021	3:05:00 AM	19.3	210.2	1.5	208.7	1.5
7/12/2021	3:10:00 AM	16.5	205.8	1.9	206.2	1.8
7/12/2021	3:15:00 AM	20.7	267	1.8	265.4	1.6
7/12/2021	3:20:00 AM	31.8	298.7	1.5	299.8	1.4
7/12/2021	3:25:00 AM	37.7	309.5	2.6	308.9	2.5
7/12/2021	3:30:00 AM	40.3	291	2.9	291.2	2.8
7/12/2021	3:35:00 AM	28.1	275.2	3.7	274.8	3.6
7/12/2021	3:40:00 AM	20.3	272.9	3.7	273.1	3.7
7/12/2021	3:45:00 AM	20.3	251.3	2.6	251.1	2.5
7/12/2021	3:50:00 AM	16.5	221	4	222.9	3.8
7/12/2021	3:55:00 AM	24	197.1	4.3	197.4	4.2
7/12/2021	4:00:00 AM	38.6	187.5	4	187.3	3.9
7/12/2021	4:05:00 AM	45	212.1	2.5	212.9	2.4
7/12/2021	4:10:00 AM	33	252.9	1.4	249.3	1.3
7/12/2021	4:15:00 AM	28.8	285.9	2.3	282.8	2.2
7/12/2021	4:20:00 AM	31	293.2	1.7	294	1.7

Site: Buckeye						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/12/2021	4:25:00 AM	36.3	302	2.8	302.1	2.7
7/12/2021	4:30:00 AM	40.8	313.3	2.3	312.8	2.2
7/12/2021	4:35:00 AM	38.1	304.2	2.1	305	2
7/12/2021	4:40:00 AM	51.6	298.6	2	298.4	2
7/12/2021	4:45:00 AM	66.2	284.4	1.6	279.5	1.3
7/12/2021	4:50:00 AM	57.6	242.3	3	242.1	2.9
7/12/2021	4:55:00 AM	39.4	209.8	2.8	211.9	2.7
7/12/2021	5:00:00 AM	30	225.3	3	228.1	2.8
7/12/2021	5:05:00 AM	25.9	222.8	2.6	223.8	2.5
7/12/2021	5:10:00 AM	29.2	224.4	1.9	228.7	1.8
7/12/2021	5:15:00 AM	24.9	219.7	2.9	223.4	2.7
7/12/2021	5:20:00 AM	23.7	230	4.5	230.9	4.2
7/12/2021	5:25:00 AM	17.3	231.1	6.1	232.4	5.9
7/12/2021	5:30:00 AM	18.5	235.9	7.6	237	7.4
7/12/2021	5:35:00 AM	20.2	219.1	6.5	220.3	6.2
7/12/2021	5:40:00 AM	17.9	220.2	6.9	220.2	6.6
7/12/2021	5:45:00 AM	26	228.8	5.8	229.8	5.6
7/12/2021	5:50:00 AM	52	223.6	4.7	225.4	4.5
7/12/2021	5:55:00 AM	50.4	231.7	4.9	232	4.8
7/12/2021	6:00:00 AM	45	214.2	8.5	212.4	8.2
7/12/2021	6:05:00 AM	50	200.1	8	200.2	7.9
7/12/2021	6:10:00 AM	49.8	200.5	9	200.4	8.9
7/12/2021	6:15:00 AM	48.5	206.2	9.3	205.3	9.1
7/12/2021	6:20:00 AM	33.3	210.3	9	210.3	8.7
7/12/2021	6:25:00 AM	39.4	210.4	9.5	210.2	9.3
7/12/2021	6:30:00 AM	39.6	220.8	8.6	220.5	8.2
7/12/2021	6:35:00 AM	44.7	223.7	7.6	224.4	7.2
7/12/2021	6:40:00 AM	47.2	227.8	8.3	228.2	7.9
7/12/2021	6:45:00 AM	62.9	237.8	7.7	238.2	7.6
7/12/2021	6:50:00 AM	63.5	238.2	6.9	238.5	6.8
7/12/2021	6:55:00 AM	72.4	225.4	6.7	226.8	6.3
7/12/2021	7:00:00 AM	65.9	210	9.1	209.7	8.8
7/12/2021	7:05:00 AM	45.9	215.5	5.1	216.1	4.9
7/12/2021	7:10:00 AM	45.7	225.1	3.9	223.4	3.8
7/12/2021	7:15:00 AM	59.9	211.3	4.9	212.5	4.6
7/12/2021	7:20:00 AM	34.5	228.2	6.8	228.7	6.5
7/12/2021	7:25:00 AM	36	238	5.6	237.1	5.4
7/12/2021	7:30:00 AM	39.3	230.8	5.2	233.3	5
7/12/2021	7:35:00 AM	72.8	218.3	5	219.1	4.7
7/12/2021	7:40:00 AM	57.5	211.1	7.5	210.7	7.2
7/12/2021	7:45:00 AM	38.4	219	6.2	218.6	5.8
7/12/2021	7:50:00 AM	46.3	218	6.2	217.1	5.9
7/12/2021	7:55:00 AM	52.4	232.7	6.9	233.3	6.7
7/12/2021	8:00:00 AM	<	232.2	7.1	233.2	6.9
7/12/2021	8:05:00 AM	<	224.6	8.5	226.5	8.2
7/12/2021	8:10:00 AM	<	230.9	10.8	231.9	10.5
7/12/2021	8:15:00 AM	<	226.4	8.8	228.6	8.6
7/12/2021	8:20:00 AM	<	216.3	7.3	214.7	6.9
7/12/2021	8:25:00 AM	<	223.5	8.2	225.2	7.8
7/12/2021	8:30:00 AM	<	208	10.5	208.8	10
7/12/2021	8:35:00 AM	<	195.1	10.2	195.1	10
7/12/2021	8:40:00 AM	<	203	11.4	202.8	11.2
7/12/2021	8:45:00 AM	<	190.6	9.3	190.6	9.2

Site: Buckeye						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/12/2021	8:50:00 AM	<	191.3	8.6	191	8.5
7/12/2021	8:55:00 AM	<	196.8	8.3	195.4	7.9
7/12/2021	9:00:00 AM	<	228	6.7	229.1	6.5
7/12/2021	9:05:00 AM	112.6	232.6	6.1	232.4	5.9
7/12/2021	9:10:00 AM	101.3	230.1	6	231.8	5.8
7/12/2021	9:15:00 AM	81.5	243.4	5.9	242.9	5.7
7/12/2021	9:20:00 AM	80.4	242.7	5.8	244	5.6
7/12/2021	9:25:00 AM	78.1	244.2	7.5	244.3	7.3
7/12/2021	9:30:00 AM	80.9	245	6.1	242.2	5.8
7/12/2021	9:35:00 AM	84.2	276.3	6.7	275.7	6.3
7/12/2021	9:40:00 AM	83.6	261.5	6.4	260.1	6
7/12/2021	9:45:00 AM	82.3	244.3	5	247.2	4.9
7/12/2021	9:50:00 AM	82.6	224.5	3.8	223.3	3.6
7/12/2021	9:55:00 AM	74.2	200.4	4	202.3	3.7
7/12/2021	10:00:00 AM	69.6	235	3.8	230.1	3.6
7/12/2021	10:05:00 AM	74.6	207.1	4.6	206.5	4.5
7/12/2021	10:10:00 AM	70.4	204.7	3.7	213.2	2.5
7/12/2021	10:15:00 AM	71.8	239.9	7.1	239	6.9
7/12/2021	10:20:00 AM	90.6	247	7.6	247.6	7.2
7/12/2021	10:25:00 AM	109.9	257.3	7.7	256.9	7.5
7/12/2021	10:30:00 AM	122.7	250.8	6.5	250	6.3
7/12/2021	10:35:00 AM	131.5	254.8	9.3	253.7	9.1
7/12/2021	10:40:00 AM	151.6	258.9	7.3	256.2	7
7/12/2021	10:45:00 AM	162.7	257.3	6.3	254.3	5.9
7/12/2021	10:50:00 AM	165.7	272.6	5.8	275.3	5.5
7/12/2021	10:55:00 AM	169.7	237.7	6.4	238.7	6.2
7/12/2021	11:00:00 AM	179.4	240	6.4	242.3	6
7/12/2021	11:05:00 AM	200.6	261.7	6.2	257.1	5.5
7/12/2021	11:10:00 AM	209.3	228.7	3	223.6	2.6
7/12/2021	11:15:00 AM	207.2	294.1	2.8	309.9	2
7/12/2021	11:20:00 AM	211.1	246.6	4.5	248.8	3.9
7/12/2021	11:25:00 AM	212.8	258.3	6.1	257.8	5.8
7/12/2021	11:30:00 AM	234.3	249.8	3.8	247.4	3.2
7/12/2021	11:35:00 AM	244.5	227.2	6.8	229.4	6.5
7/12/2021	11:40:00 AM	269	214.3	5	217.3	4.6
7/12/2021	11:45:00 AM	265.9	183.8	4	200.3	3.3
7/12/2021	11:50:00 AM	279.8	219.1	5.7	222.3	5.4
7/12/2021	11:55:00 AM	277.1	300.2	3.2	293.3	2.9
7/12/2021	12:00:00 PM	269.9	278.8	5.1	278.1	4.8
7/12/2021	12:05:00 PM	288.4	251.3	3.5	250.5	3.2
7/12/2021	12:10:00 PM	321	221.2	4.9	220.7	4.5
7/12/2021	12:15:00 PM	331	278	4.1	282.7	3.4
7/12/2021	12:20:00 PM	336.1	210.4	6.8	209.9	6.6
7/12/2021	12:25:00 PM	335.9	219.3	6	219.4	5.6
7/12/2021	12:30:00 PM	319.6	200.7	5.3	196	5
7/12/2021	12:35:00 PM	323.3	242.5	6.7	243.6	6.4
7/12/2021	12:40:00 PM	316.2	220	2	242.4	1.4
7/12/2021	12:45:00 PM	300.1	264.8	5	268.6	4.6
7/12/2021	12:50:00 PM	311.8	306.7	5	311.5	4.7
7/12/2021	12:55:00 PM	327.9	266.8	7.3	262.8	6.2
7/12/2021	1:00:00 PM	339.6	268.6	2.6	260.5	2.3
7/12/2021	1:05:00 PM	340.2	272.5	5.8	272.1	5.5
7/12/2021	1:10:00 PM	364.3	260.4	5.8	259.5	5.3

Site: Buckeye						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/12/2021	1:15:00 PM	367.4	220.1	4.3	223.7	3.8
7/12/2021	1:20:00 PM	348.3	142.3	2.8	270.2	0.6
7/12/2021	1:25:00 PM	342.1	238.5	5.3	239.3	5.2
7/12/2021	1:30:00 PM	315.3	200.9	2.2	213.8	1.6
7/12/2021	1:35:00 PM	310.7	278.1	8.5	277.3	8.4
7/12/2021	1:40:00 PM	332.5	269.9	3.5	271.9	3.3
7/12/2021	1:45:00 PM	317.3	257	3.9	255.1	3.3
7/12/2021	1:50:00 PM	323.5	243.6	4.9	241.8	4.7
7/12/2021	1:55:00 PM	347.2	278.3	4.8	276.5	4.6
7/12/2021	2:00:00 PM	339.4	247.3	4.2	252.2	3.4
7/12/2021	2:05:00 PM	326.4	246	4.5	240.5	3.5
7/12/2021	2:10:00 PM	341.7	258	5.9	250.7	5.2
7/12/2021	2:15:00 PM	332	302.1	5.5	302.8	5.1
7/12/2021	2:20:00 PM	330.7	260.3	3.7	265.8	2.7
7/12/2021	2:25:00 PM	346.1	267.6	6	265.1	5.6
7/12/2021	2:30:00 PM	335.9	269.9	5.1	266.5	4.6
7/12/2021	2:35:00 PM	311.6	265.4	4.6	266.2	4.4
7/12/2021	2:40:00 PM	307.9	271.8	7	272.4	6.8
7/12/2021	2:45:00 PM	324.7	240.5	5.4	251.3	4.8
7/12/2021	2:50:00 PM	311.8	233.5	2.8	233.1	2.3
7/12/2021	2:55:00 PM	311.6	260.7	6.4	255.5	6.1
7/12/2021	3:00:00 PM	322.6	247.9	7.8	246.3	7.7
7/12/2021	3:05:00 PM	315.7	268.1	7.7	270.1	7.3
7/12/2021	3:10:00 PM	322.7	286	7.5	286.3	7.3
7/12/2021	3:15:00 PM	327.4	293.1	6.6	293	6.5
7/12/2021	3:20:00 PM	322.7	280.9	8.3	281.1	8.1
7/12/2021	3:25:00 PM	321.3	246.8	3.7	252.2	2.9
7/12/2021	3:30:00 PM	311.6	277.3	1.1	245.2	0.8
7/12/2021	3:35:00 PM	300.6	243.1	4.2	247.1	3.8
7/12/2021	3:40:00 PM	313	268.9	4.6	268.2	4.3
7/12/2021	3:45:00 PM	310	246.9	3.7	244.6	3.4
7/12/2021	3:50:00 PM	313.3	262.6	3.4	255.7	2.2
7/12/2021	3:55:00 PM	321.9	245.1	4.8	242.3	4.4
7/12/2021	4:00:00 PM	317.9	238	6.6	237.8	6.4
7/12/2021	4:05:00 PM	310	244.4	7.7	243.7	7.5
7/12/2021	4:10:00 PM	287.8	239.9	5.6	240.1	5.3
7/12/2021	4:15:00 PM	271.3	215.2	3.8	218.1	3.6
7/12/2021	4:20:00 PM	261.7	216	3.8	215.4	3.6
7/12/2021	4:25:00 PM	251.4	234.4	3.3	230.3	3.1
7/12/2021	4:30:00 PM	248.4	207.1	5.3	206.8	5.1
7/12/2021	4:35:00 PM	246.1	239.5	3.8	233	3.4
7/12/2021	4:40:00 PM	229.5	260.6	3.2	259	3.1
7/12/2021	4:45:00 PM	246.8	232	3	232.5	2.8
7/12/2021	4:50:00 PM	267.3	185.5	3.1	185.1	2.9
7/12/2021	4:55:00 PM	276.7	216.7	3.3	218.5	3
7/12/2021	5:00:00 PM	284.7	233.8	4.1	235.9	3.9
7/12/2021	5:05:00 PM	288.9	217.1	3	208.1	2.7
7/12/2021	5:10:00 PM	296.8	187.5	3.8	186.9	3.7
7/12/2021	5:15:00 PM	319.9	219.4	4.3	219.7	4
7/12/2021	5:20:00 PM	315.9	234	5.1	234.9	5
7/12/2021	5:25:00 PM	324.5	236.2	5.3	237	5.1
7/12/2021	5:30:00 PM	336	216.1	4	216.9	3.8
7/12/2021	5:35:00 PM	334.4	208.5	3.8	207.3	3.7

Site: Buckeye						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/12/2021	5:40:00 PM	328.9	207.5	3.6	206.2	3.5
7/12/2021	5:45:00 PM	336.9	208.3	4.3	208.6	4.1
7/12/2021	5:50:00 PM	342.3	227.8	4.4	230	4.2
7/12/2021	5:55:00 PM	344.4	235.3	6.1	235.1	6
7/12/2021	6:00:00 PM	362.6	237.6	6.6	237.9	6.5
7/12/2021	6:05:00 PM	374.1	217.7	5	216.3	4.8
7/12/2021	6:10:00 PM	389	225.8	4.8	226.9	4.6
7/12/2021	6:15:00 PM	365.4	229.1	4.5	230.3	4.3
7/12/2021	6:20:00 PM	328.2	214.9	3.5	214.9	3.2
7/12/2021	6:25:00 PM	327.2	217.2	4.7	218.7	4.5
7/12/2021	6:30:00 PM	307.3	209.2	5.3	209.5	5.2
7/12/2021	6:35:00 PM	314.4	216.5	4	215.9	3.8
7/12/2021	6:40:00 PM	320.1	215.9	4.1	215.7	4
7/12/2021	6:45:00 PM	298.1	210.9	4	210.6	3.9
7/12/2021	6:50:00 PM	283.3	214.3	5.1	213.4	4.9
7/12/2021	6:55:00 PM	295.6	215.3	4.5	215.8	4.3
7/12/2021	7:00:00 PM	310.3	216.1	4.2	217.6	4.1
7/12/2021	7:05:00 PM	316.5	215.7	3.1	216.2	2.9
7/12/2021	7:10:00 PM	331.3	213.8	3.6	214.8	3.4
7/12/2021	7:15:00 PM	348.4	232	6.3	233	6.1
7/12/2021	7:20:00 PM	364	222.1	4.1	224	4
7/12/2021	7:25:00 PM	356.6	233.5	5.5	233.8	5.4
7/12/2021	7:30:00 PM	365.7	231.3	5.4	231.8	5.3
7/12/2021	7:35:00 PM	392.9	216.4	3.5	218.5	3.4
7/12/2021	7:40:00 PM	400.3	230.8	4.5	231.7	4.4
7/12/2021	7:45:00 PM	388.7	228.5	4.7	229.3	4.6
7/12/2021	7:50:00 PM	370	236.1	4.8	235.8	4.8
7/12/2021	7:55:00 PM	355.2	233	5.4	233.2	5.3
7/12/2021	8:00:00 PM	349.2	231.2	6.5	231.2	6.4
7/12/2021	8:05:00 PM	373.2	230.9	6.3	231	6.2
7/12/2021	8:10:00 PM	382.5	227	5.9	227.8	5.8
7/12/2021	8:15:00 PM	346.9	233	6.6	233.1	6.4
7/12/2021	8:20:00 PM	314.2	231.7	5.8	232.2	5.7
7/12/2021	8:25:00 PM	268.4	231.5	5.1	232	5
7/12/2021	8:30:00 PM	237	236.3	5.2	235.8	5.1
7/12/2021	8:35:00 PM	213.2	232.7	5.3	233.1	5.2
7/12/2021	8:40:00 PM	204	232.6	5.5	233	5.4
7/12/2021	8:45:00 PM	192.1	238	6	238	5.9
7/12/2021	8:50:00 PM	189	234.7	5.3	234.5	5.2
7/12/2021	8:55:00 PM	180.4	243.3	5.3	242.5	5.2
7/12/2021	9:00:00 PM	171.9	248.9	4.2	248.6	4.1
7/12/2021	9:05:00 PM	176.5	242.3	4.9	241.5	4.8
7/12/2021	9:10:00 PM	170	242.7	6.2	242.6	6.1
7/12/2021	9:15:00 PM	162.2	237.4	5.3	237.2	5.2
7/12/2021	9:20:00 PM	162.1	236.5	4.7	236.6	4.6
7/12/2021	9:25:00 PM	162.4	238.2	4.7	238.4	4.7
7/12/2021	9:30:00 PM	156.6	240	5.4	239.8	5.4
7/12/2021	9:35:00 PM	143.2	241.8	6.2	241.8	6.2
7/12/2021	9:40:00 PM	144	238.3	7.1	238	7
7/12/2021	9:45:00 PM	125.2	238.7	8.4	238.7	8.3
7/12/2021	9:50:00 PM	99.8	244.8	7.8	244.3	7.7
7/12/2021	9:55:00 PM	72.7	246.4	7.2	246.2	7.1
7/12/2021	10:00:00 PM	48.2	245.7	7.3	245.4	7.2

Site: Buckeye						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/12/2021	10:05:00 PM	39.9	241.4	7.7	241.4	7.6
7/12/2021	10:10:00 PM	41.3	237.5	6.5	237.4	6.4
7/12/2021	10:15:00 PM	43.3	238.9	5.7	238.7	5.6
7/12/2021	10:20:00 PM	41.9	236.1	5.9	236.1	5.8
7/12/2021	10:25:00 PM	39.3	238.8	5.7	238.5	5.6
7/12/2021	10:30:00 PM	31.6	241.7	6.1	241.9	6
7/12/2021	10:35:00 PM	28.4	249.5	4.4	249.5	4.3
7/12/2021	10:40:00 PM	27.6	249.1	5.3	248.9	5.2
7/12/2021	10:45:00 PM	22.3	245.3	6.5	244.8	6.4
7/12/2021	10:50:00 PM	27.3	240.6	7.3	240.6	7.2
7/12/2021	10:55:00 PM	25.3	222.6	5.6	223.6	5.4
7/12/2021	11:00:00 PM	42.1	205.4	4.4	206.4	4.2
7/12/2021	11:05:00 PM	48.4	227.5	4.4	228.3	4.3
7/12/2021	11:10:00 PM	23.9	235.3	4.6	235.5	4.4
7/12/2021	11:15:00 PM	27.9	212.5	4.1	212.6	4
7/12/2021	11:20:00 PM	33.4	210.2	5.1	210.6	5
7/12/2021	11:25:00 PM	18.6	206.8	6	206.8	5.9
7/12/2021	11:30:00 PM	10.7	203.7	5.9	203.8	5.8
7/12/2021	11:35:00 PM	18.4	202.2	4	202.3	3.9
7/12/2021	11:40:00 PM	22	195	5.2	195.3	5.1
7/12/2021	11:45:00 PM	20.1	205.4	8.1	205.2	8
7/12/2021	11:50:00 PM	26.2	200.1	6.7	201	6.6
7/12/2021	11:55:00 PM	34.4	184.7	6.4	184.8	6.3
Average		163.4	239	4.9	235.9	4.1
Max		400.3	352.9	11.4	358.8	11.2
Max Hour		18172.09275	1469.082957	4.611469101	1427.626724	4.485958067
Min		10.5	5.5	0	7.5	0.3
Count		275	288	288	288	288
Total		44950.7	68820.6	1415.3	69026.6	1353.5

Site: West 43rd Avenue						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	12:00:00 AM	51.2	255.5	3.1	255.7	3.1
7/21/2023	12:05:00 AM	52.3	258.6	2.2	258.1	2.2
7/21/2023	12:10:00 AM	52.1	287	1.1	285.8	1.1
7/21/2023	12:15:00 AM	51.1	287.6	1.1	287.5	1.1
7/21/2023	12:20:00 AM	50.4	255.8	1.3	256.3	1.2
7/21/2023	12:25:00 AM	45	259.5	1.6	260	1.6
7/21/2023	12:30:00 AM	40.4	252.6	1.5	250.6	1.5
7/21/2023	12:35:00 AM	42.1	301.5	0	305.1	0.6
7/21/2023	12:40:00 AM	41.1	325.8	1.8	326.6	1.8
7/21/2023	12:45:00 AM	40	7.9	2	8.3	1.9
7/21/2023	12:50:00 AM	40.4	11.2	1.7	12.5	1.6
7/21/2023	12:55:00 AM	44.1	334	1.7	334.3	1.7
7/21/2023	1:00:00 AM	47.6	343.3	2.4	343.3	2.4
7/21/2023	1:05:00 AM	48	331.7	2.6	331.3	2.6
7/21/2023	1:10:00 AM	49.2	331	2.9	330.9	2.9
7/21/2023	1:15:00 AM	52	316.5	3	316.7	3
7/21/2023	1:20:00 AM	55	301.3	3.1	301.2	3.1
7/21/2023	1:25:00 AM	56.4	295.1	2.8	295.2	2.8
7/21/2023	1:30:00 AM	57.4	291.5	3	291.4	3
7/21/2023	1:35:00 AM	57.7	281.9	3.5	282.1	3.5
7/21/2023	1:40:00 AM	56.8	282.2	4.3	282.3	4.2
7/21/2023	1:45:00 AM	54.4	278.8	3.7	279	3.7
7/21/2023	1:50:00 AM	50.8	265.1	2.7	266.4	2.7
7/21/2023	1:55:00 AM	45.2	233.1	2.1	233.3	2
7/21/2023	2:00:00 AM	49.9	218.9	1.8	219.1	1.8
7/21/2023	2:05:00 AM	70.6	227.9	2.9	228.8	2.9
7/21/2023	2:10:00 AM	74.3	238.6	3.4	238.7	3.4
7/21/2023	2:15:00 AM	62.1	234.3	3.7	234.3	3.7
7/21/2023	2:20:00 AM	53.2	240	3.1	240.3	3.1
7/21/2023	2:25:00 AM	49.2	240	2.6	240.3	2.5
7/21/2023	2:30:00 AM	56.4	248.5	2.1	248.8	2.1
7/21/2023	2:35:00 AM	70.9	232.4	1.9	233	1.8
7/21/2023	2:40:00 AM	86.3	198	2.1	199.6	2
7/21/2023	2:45:00 AM	85.6	195.2	1.3	194.3	1.3
7/21/2023	2:50:00 AM	79.3	176.6	1	178.2	0.9
7/21/2023	2:55:00 AM	71.7	170	1	171.7	0.9
7/21/2023	3:00:00 AM	64.1	227.6	1.3	228.9	1.3
7/21/2023	3:05:00 AM	56.5	244	2.3	243.5	2.2
7/21/2023	3:10:00 AM	60	249.8	3.3	249.9	3.2
7/21/2023	3:15:00 AM	76.4	260.3	3.7	260.5	3.7
7/21/2023	3:20:00 AM	82.8	262.4	4.2	262.5	4.2
7/21/2023	3:25:00 AM	74.2	260.8	4.3	260.8	4.3
7/21/2023	3:30:00 AM	61.9	262.4	4.4	262.6	4.4
7/21/2023	3:35:00 AM	54.1	256.6	3.7	256.7	3.6
7/21/2023	3:40:00 AM	54.9	242	2.5	242.7	2.5
7/21/2023	3:45:00 AM	57.4	201.3	0	204.3	0.7
7/21/2023	3:50:00 AM	68.9	151.5	0	157.7	0.4
7/21/2023	3:55:00 AM	100.1	202.4	0	192.9	0.4
7/21/2023	4:00:00 AM	106.3	44.1	1.7	43	1.6
7/21/2023	4:05:00 AM	104.1	37.9	2.7	37.6	2.7
7/21/2023	4:10:00 AM	105	50.6	3.1	50.7	3
7/21/2023	4:15:00 AM	107.4	27.2	1.8	33.5	1.7
7/21/2023	4:20:00 AM	102.2	286	2.9	277.4	2.7

Site: West 43rd Avenue						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	4:25:00 AM	98.7	240	6.3	240.1	6.1
7/21/2023	4:30:00 AM	120.5	241.6	13.3	241.5	13.1
7/21/2023	4:35:00 AM	192.6	241.1	11.4	241.3	11.3
7/21/2023	4:40:00 AM	285.3	243.2	9.2	243	9.1
7/21/2023	4:45:00 AM	330.3	243.6	9.2	243.5	9
7/21/2023	4:50:00 AM	343.1	252.5	12.7	252.7	12.5
7/21/2023	4:55:00 AM	359	256.1	14.2	256.3	14
7/21/2023	5:00:00 AM	388	253.2	16.7	253.1	16.5
7/21/2023	5:05:00 AM	439.9	257.4	13.3	257.4	13
7/21/2023	5:10:00 AM	456.6	262.8	12.9	263.2	12.8
7/21/2023	5:15:00 AM	445.8	269.6	14.1	269.8	13.9
7/21/2023	5:20:00 AM	424.9	272.8	13.5	272.8	13.4
7/21/2023	5:25:00 AM	398.4	271.7	14.1	272	13.9
7/21/2023	5:30:00 AM	383.8	269.2	14.9	269.5	14.8
7/21/2023	5:35:00 AM	376.8	267.2	14.5	267.5	14.3
7/21/2023	5:40:00 AM	378.4	268.7	14.4	268.8	14.2
7/21/2023	5:45:00 AM	377.4	268.8	14.3	269.2	14.2
7/21/2023	5:50:00 AM	374.2	269.1	14.9	269.5	14.8
7/21/2023	5:55:00 AM	372.6	268.8	15.7	269	15.6
7/21/2023	6:00:00 AM	373	263.6	15.7	263.9	15.5
7/21/2023	6:05:00 AM	394.8	265.9	16	266.1	15.9
7/21/2023	6:10:00 AM	425.4	263.3	17	263.5	16.8
7/21/2023	6:15:00 AM	476.6	268.2	17.8	268.3	17.6
7/21/2023	6:20:00 AM	509.8	267.1	16	267.6	15.8
7/21/2023	6:25:00 AM	495.2	270.1	14.5	270.3	14.3
7/21/2023	6:30:00 AM	463	270.6	14.4	271	14.3
7/21/2023	6:35:00 AM	425.7	264.2	12.3	264.1	12
7/21/2023	6:40:00 AM	393.9	274.9	12.9	275	12.8
7/21/2023	6:45:00 AM	370.7	267	11.7	267.3	11.5
7/21/2023	6:50:00 AM	353	270.9	13	271	12.9
7/21/2023	6:55:00 AM	336.3	268.2	13.3	268.3	13.1
7/21/2023	7:00:00 AM	320.1	270.7	13	270.8	12.9
7/21/2023	7:05:00 AM	311.2	271.5	13.4	271.8	13.3
7/21/2023	7:10:00 AM	300.8	272.9	14.3	273.3	14.2
7/21/2023	7:15:00 AM	291.7	274.5	14.4	274.7	14.3
7/21/2023	7:20:00 AM	284.7	277.3	12.8	277.5	12.6
7/21/2023	7:25:00 AM	273.5	273.3	14	273.8	13.8
7/21/2023	7:30:00 AM	261.9	273.7	14	273.7	13.8
7/21/2023	7:35:00 AM	252.2	274	15.1	274.4	14.9
7/21/2023	7:40:00 AM	240.2	273.2	13.7	273.7	13.6
7/21/2023	7:45:00 AM	224.5	272.5	13	272.2	12.8
7/21/2023	7:50:00 AM	212.2	279.1	13.2	279	13
7/21/2023	7:55:00 AM	203.8	274.4	13.2	274.3	13.1
7/21/2023	8:00:00 AM	198.8	279.8	12.5	279.6	12.4
7/21/2023	8:05:00 AM	190.1	279.2	12.3	279.6	12.1
7/21/2023	8:10:00 AM	181.7	286.9	11.2	286.2	11.1
7/21/2023	8:15:00 AM	176.5	288.7	14.5	288.8	14.3
7/21/2023	8:20:00 AM	170.2	289.6	12.6	289.5	12.5
7/21/2023	8:25:00 AM	169.7	294.2	14.1	294.4	14
7/21/2023	8:30:00 AM	169.1	292	11.8	291.1	11.6
7/21/2023	8:35:00 AM	167	288.2	13	288.3	12.8
7/21/2023	8:40:00 AM	161.6	288.7	12.9	288.8	12.7
7/21/2023	8:45:00 AM	156.1	279	11.3	279.5	11.1

Site: West 43rd Avenue						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/21/2023	8:50:00 AM	146.1	276	12.5	276	12.4
7/21/2023	8:55:00 AM	135.5	277.8	12.5	277.8	12.4
7/21/2023	9:00:00 AM	130.9	272	12.5	272.5	12.4
7/21/2023	9:05:00 AM	128	273.3	10.9	273.7	10.8
7/21/2023	9:10:00 AM	125.7	265.6	8.9	266.7	8.6
7/21/2023	9:15:00 AM	120.9	258.8	8.4	258.6	8.2
7/21/2023	9:20:00 AM	118.5	257.3	8.2	257.1	8
7/21/2023	9:25:00 AM	121.6	260.1	6.2	258.9	5.9
7/21/2023	9:30:00 AM	122.4	272.8	8.4	273.6	8.2
7/21/2023	9:35:00 AM	123.9	240.2	7.2	240.4	7.1
7/21/2023	9:40:00 AM	120.1	242.8	8.6	242.9	8.3
7/21/2023	9:45:00 AM	132.3	255.1	8.4	257	7.8
7/21/2023	9:50:00 AM	144.4	270.6	8.2	271.2	8
7/21/2023	9:55:00 AM	141.7	239.4	6.1	239.8	5.7
7/21/2023	10:00:00 AM	132.7	224.2	5.7	233.4	5.3
7/21/2023	10:05:00 AM	141.1	258.4	8.7	258.4	8.5
7/21/2023	10:10:00 AM	148.2	253	5.5	250	5
7/21/2023	10:15:00 AM	146.4	264.6	5.5	264.8	5.3
7/21/2023	10:20:00 AM	142.4	266	5.2	267.5	4.9
7/21/2023	10:25:00 AM	136.5	272.2	5.8	273.3	5.5
7/21/2023	10:30:00 AM	132.4	293.6	5	292.4	4.9
7/21/2023	10:35:00 AM	128.6	274.2	5.4	274.3	5
7/21/2023	10:40:00 AM	125.9	236.4	5.1	233.1	4.7
7/21/2023	10:45:00 AM	126.2	242.3	3.5	254	2.7
7/21/2023	10:50:00 AM	128.1	275.9	6.6	276.6	6.5
7/21/2023	10:55:00 AM	131.5	279	8.6	278.8	8.3
7/21/2023	11:00:00 AM	132.5	263.2	7.2	263.6	7
7/21/2023	11:05:00 AM	130.3	233.7	3.7	243.2	3.2
7/21/2023	11:10:00 AM	127.2	207	2.1	214.6	1.5
7/21/2023	11:15:00 AM	125.4	244.7	3.4	249.2	3
7/21/2023	11:20:00 AM	129.8	213.5	3.9	225.1	2.2
7/21/2023	11:25:00 AM	129.2	273.4	3.3	275.1	0.9
7/21/2023	11:30:00 AM	121.8	203.5	4.2	191	3.3
7/21/2023	11:35:00 AM	126.4	257.4	6.9	254.3	6.3
7/21/2023	11:40:00 AM	131.4	224.7	4.9	220.4	3.9
7/21/2023	11:45:00 AM	133.5	208.1	5.3	203.9	4.4
7/21/2023	11:50:00 AM	133.7	283.7	6.6	283.9	6.4
7/21/2023	11:55:00 AM	129	309.1	4.1	309.2	4
7/21/2023	12:00:00 PM	125.3	339.4	2.4	321	1.8
7/21/2023	12:05:00 PM	120.4	175.5	5.3	175.5	5
7/21/2023	12:10:00 PM	118.5	166.5	4.7	170.7	4.2
7/21/2023	12:15:00 PM	120.8	241.9	2.8	239.2	2.4
7/21/2023	12:20:00 PM	121.2	254.4	5.2	252.6	3.5
7/21/2023	12:25:00 PM	122.6	191.7	5.7	190.9	5.4
7/21/2023	12:30:00 PM	123.4	169.6	4.9	171.6	4.7
7/21/2023	12:35:00 PM	122.1	92	3.7	91.8	3.5
7/21/2023	12:40:00 PM	124.9	176.9	3.7	188.7	3.2
7/21/2023	12:45:00 PM	130.8	241.6	7.3	239.2	7
7/21/2023	12:50:00 PM	131	200.9	2.7	223.5	1.1
7/21/2023	12:55:00 PM	133	264.6	3.5	256.2	2.6
7/21/2023	1:00:00 PM	130.2	257.9	9	258.6	8.8
7/21/2023	1:05:00 PM	121	252.7	6.8	252	6.4
7/21/2023	1:10:00 PM	115.9	268	8.6	268	8.2

Site: West 43rd Avenue						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	1:15:00 PM	116.6	287.2	9.5	286.3	8.9
7/21/2023	1:20:00 PM	115.2	251.1	7	258.1	6.5
7/21/2023	1:25:00 PM	112.5	261.9	7.8	265	7.5
7/21/2023	1:30:00 PM	98.5	258.5	6.2	257.4	6
7/21/2023	1:35:00 PM	90.7	281.2	6.3	281.9	5.9
7/21/2023	1:40:00 PM	85.8	238.6	10	238.7	9.7
7/21/2023	1:45:00 PM	85.7	273	9.5	271.9	9.1
7/21/2023	1:50:00 PM	90.3	261.8	9.8	263	9.5
7/21/2023	1:55:00 PM	88	264.4	10.1	265.6	9.8
7/21/2023	2:00:00 PM	85	271.5	11.8	272.6	11.2
7/21/2023	2:05:00 PM	78.5	265.3	13.8	265.2	13.6
7/21/2023	2:10:00 PM	83.4	261	9.4	263.1	9
7/21/2023	2:15:00 PM	91.6	262.2	9.3	262.5	8.6
7/21/2023	2:20:00 PM	96.9	276	12.6	276.8	12.4
7/21/2023	2:25:00 PM	97.7	255.4	10.6	252.2	9.6
7/21/2023	2:30:00 PM	92.7	263.6	10.8	263.9	10.5
7/21/2023	2:35:00 PM	91.9	263.7	9.3	264.3	9.1
7/21/2023	2:40:00 PM	88	270.7	12	271.5	11.8
7/21/2023	2:45:00 PM	81.5	262.1	10.1	262.5	9.8
7/21/2023	2:50:00 PM	81.4	261.9	10.7	260.8	10.3
7/21/2023	2:55:00 PM	80.8	260.3	11.9	260.3	11.7
7/21/2023	3:00:00 PM	80.5	267	11.5	267.4	11.2
7/21/2023	3:05:00 PM	75.4	268.2	11.2	268	10.9
7/21/2023	3:10:00 PM	78.1	254.6	9.4	254.1	9
7/21/2023	3:15:00 PM	84.1	267.2	13.4	268.3	13
7/21/2023	3:20:00 PM	81.7	259.1	10.4	260.5	10
7/21/2023	3:25:00 PM	78.7	274.9	13.5	274.3	13.2
7/21/2023	3:30:00 PM	70.1	259.1	11.7	259.6	11.3
7/21/2023	3:35:00 PM	68.5	258.3	9.8	257.3	9.3
7/21/2023	3:40:00 PM	60.4	270.9	12.9	270.8	12.4
7/21/2023	3:45:00 PM	52.1	256.4	12.6	256.2	12.4
7/21/2023	3:50:00 PM	53.1	263.8	11.3	265.7	10.9
7/21/2023	3:55:00 PM	51.2	257.2	11.2	257.3	10.7
7/21/2023	4:00:00 PM	49	256.7	13.4	256.8	13
7/21/2023	4:05:00 PM	53.6	243.5	13.6	243.5	13.4
7/21/2023	4:10:00 PM	66.4	254.5	13.3	255.8	12.8
7/21/2023	4:15:00 PM	73.6	261.8	13	262.2	12.7
7/21/2023	4:20:00 PM	74.3	259.8	14.2	260.5	14
7/21/2023	4:25:00 PM	65.7	247.1	13.2	247.5	13
7/21/2023	4:30:00 PM	59	261.2	12.3	261.3	12
7/21/2023	4:35:00 PM	53.8	265.4	12.6	265.6	12.4
7/21/2023	4:40:00 PM	59.1	275.8	15.1	276.3	15
7/21/2023	4:45:00 PM	57.1	262.9	13.4	262.5	13.2
7/21/2023	4:50:00 PM	56.3	266	12.2	265.9	11.9
7/21/2023	4:55:00 PM	55.3	276.2	13.2	276.1	13
7/21/2023	5:00:00 PM	42.5	268.5	12.3	268.5	12.1
7/21/2023	5:05:00 PM	28.6	266.4	12.6	267.4	12.4
7/21/2023	5:10:00 PM	31.9	265.5	13.2	265.6	13
7/21/2023	5:15:00 PM	39.7	255.2	12.3	254.8	12
7/21/2023	5:20:00 PM	47.5	254.3	11.9	254.1	11.8
7/21/2023	5:25:00 PM	55.4	257.4	11.7	257.4	11.5
7/21/2023	5:30:00 PM	58.4	255.8	9.8	256.5	9.6
7/21/2023	5:35:00 PM	56.3	249	10.5	248.7	10.3

Site: West 43rd Avenue						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	5:40:00 PM	55.5	253.2	10	252.4	9.9
7/21/2023	5:45:00 PM	59.8	253	10.9	252.8	10.8
7/21/2023	5:50:00 PM	63.2	258.4	11.5	258.7	11.4
7/21/2023	5:55:00 PM	67.8	251.1	10.9	251.4	10.7
7/21/2023	6:00:00 PM	67.8	250.1	10.9	249.8	10.7
7/21/2023	6:05:00 PM	64.7	258.3	9.7	258.7	9.5
7/21/2023	6:10:00 PM	59.2	254.6	9.7	254.7	9.6
7/21/2023	6:15:00 PM	54.2	254.5	9.1	254.3	9
7/21/2023	6:20:00 PM	49.9	255.1	8.9	254.9	8.8
7/21/2023	6:25:00 PM	46.5	257.3	9.5	257.6	9.3
7/21/2023	6:30:00 PM	44.9	252.6	10.1	251.9	10
7/21/2023	6:35:00 PM	42	254.7	9.6	254.8	9.4
7/21/2023	6:40:00 PM	41.5	253.7	9	253.3	8.8
7/21/2023	6:45:00 PM	41.8	252.2	7.1	252.5	6.9
7/21/2023	6:50:00 PM	43.9	262.5	8	262.6	7.8
7/21/2023	6:55:00 PM	46.6	270.3	7.7	270.7	7.6
7/21/2023	7:00:00 PM	46.5	272.1	7.8	272.3	7.8
7/21/2023	7:05:00 PM	44.5	284.9	8.2	285.4	8
7/21/2023	7:10:00 PM	45.1	308.8	8.4	307.7	8.3
7/21/2023	7:15:00 PM	46.3	332.9	9	333.2	8.9
7/21/2023	7:20:00 PM	48.3	346.2	9.4	346.1	9.1
7/21/2023	7:25:00 PM	56.3	346.5	13	346.9	12.8
7/21/2023	7:30:00 PM	70.9	353.9	9.4	354.8	9.1
7/21/2023	7:35:00 PM	81.8	349.4	10.6	349.3	10.4
7/21/2023	7:40:00 PM	84.4	358.1	7.8	357.8	7.5
7/21/2023	7:45:00 PM	83.4	349.9	6.1	350.6	6
7/21/2023	7:50:00 PM	81.7	350	5.2	350.2	5
7/21/2023	7:55:00 PM	77.9	351.4	4.4	352.4	4.3
7/21/2023	8:00:00 PM	74.5	335.4	4.4	337.2	4.3
7/21/2023	8:05:00 PM	70.4	9	5.2	6.6	4.7
7/21/2023	8:10:00 PM	65.4	358.6	5.1	358.7	4.9
7/21/2023	8:15:00 PM	64.2	0.3	3.5	359.5	3.4
7/21/2023	8:20:00 PM	61.1	4.3	4.5	4.3	4.4
7/21/2023	8:25:00 PM	60.1	5	5.2	4.6	5.1
7/21/2023	8:30:00 PM	60	21.1	7.9	21.3	7.8
7/21/2023	8:35:00 PM	58.7	46.3	13.4	47.1	13.1
7/21/2023	8:40:00 PM	71.4	45.5	15.1	45.2	15
7/21/2023	8:45:00 PM	159.7	44.7	13.6	44.6	13.4
7/21/2023	8:50:00 PM	313.6	53.3	12.6	52.9	12.4
7/21/2023	8:55:00 PM	364.6	73.1	9.1	72.3	9
7/21/2023	9:00:00 PM	364.6	70.3	9.1	70	8.9
7/21/2023	9:05:00 PM	345.4	69.2	10.7	69.5	10.6
7/21/2023	9:10:00 PM	319	61.8	8.3	62.3	8.2
7/21/2023	9:15:00 PM	290.2	65.6	8.3	65.7	8.2
7/21/2023	9:20:00 PM	258.9	70.6	7.8	70.6	7.7
7/21/2023	9:25:00 PM	226.8	72.3	6.1	72.5	5.9
7/21/2023	9:30:00 PM	197.5	86.4	6.3	85.7	6.1
7/21/2023	9:35:00 PM	170.2	86.6	6.5	86.9	6.3
7/21/2023	9:40:00 PM	149.4	81.3	6.3	81.7	6.2
7/21/2023	9:45:00 PM	135.1	83.4	6.2	83.8	6.1
7/21/2023	9:50:00 PM	125.3	69.4	6.6	69.7	6.5
7/21/2023	9:55:00 PM	119.1	62.6	7	62.8	6.9
7/21/2023	10:00:00 PM	116.3	72.3	6.3	72	6.3

Site: West 43rd Avenue						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/21/2023	10:05:00 PM	113.4	82	6.5	82	6.4
7/21/2023	10:10:00 PM	107.9	106.2	5.4	105.1	5.2
7/21/2023	10:15:00 PM	103.8	123.4	5.3	123.2	5.2
7/21/2023	10:20:00 PM	98.2	116.2	5.8	116.3	5.6
7/21/2023	10:25:00 PM	91.7	134.3	6.4	134.2	6.1
7/21/2023	10:30:00 PM	83.3	148.1	8.6	147.8	8.4
7/21/2023	10:35:00 PM	72.6	145.8	10.1	145.6	10
7/21/2023	10:40:00 PM	64.9	145.1	10.9	144	10.8
7/21/2023	10:45:00 PM	83.2	156.7	21.1	156.2	20.5
7/21/2023	10:50:00 PM	217.6	159.5	18.6	159.6	18.2
7/21/2023	10:55:00 PM	815.1	150.9	15.6	151	15.3
7/21/2023	11:00:00 PM	1711.9	155.6	16.8	155.9	16.4
7/21/2023	11:05:00 PM	2056.4	154	22.3	154	21.8
7/21/2023	11:10:00 PM	2443.5	156.1	21.3	155.5	20.9
7/21/2023	11:15:00 PM	2777.9	158	21.1	158.2	20.6
7/21/2023	11:20:00 PM	2825.8	162.3	21.2	162.3	20.8
7/21/2023	11:25:00 PM	2780.4	162.6	18.5	162.7	18.1
7/21/2023	11:30:00 PM	2463.4	176.9	19.2	176.5	18.7
7/21/2023	11:35:00 PM	2053.4	181.2	15.2	180.3	14.6
7/21/2023	11:40:00 PM	1650.7	180.9	18.4	179.9	17.9
7/21/2023	11:45:00 PM	1360.7	180.7	18.2	180.1	17.7
7/21/2023	11:50:00 PM	1151.2	179.1	18.2	178	17.8
7/21/2023	11:55:00 PM	995.8	182.8	16.9	181.9	16.4
Average		216.9	261	8.8	259.3	5.4
Max		2825.8	358.6	22.3	359.5	21.8
Max Hour		171535.1092	5820.927452	23.87581446	5669.745795	23.59950784
Min		28.6	0.3	0	4.3	0.4
Count		288	288	288	288	288
Total		62481.9	67031.4	2557.8	67459.3	2490.6

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	12:00:00 AM	12.8	<	1.4	<	1.3
7/21/2023	12:05:00 AM	32.4	<	0.4	<	0.4
7/21/2023	12:10:00 AM	10.2	<	1.7	<	1.6
7/21/2023	12:15:00 AM	23.7	<	2.1	<	2
7/21/2023	12:20:00 AM	8.9	<	2.1	<	2
7/21/2023	12:25:00 AM	3.4	<	2.4	<	2.3
7/21/2023	12:30:00 AM	12.4	<	2.2	<	2
7/21/2023	12:35:00 AM	11.7	<	2.6	<	2.5
7/21/2023	12:40:00 AM	11.1	<	3.3	<	3.2
7/21/2023	12:45:00 AM	18.5	<	2.4	<	2.4
7/21/2023	12:50:00 AM	12.2	<	3	<	3
7/21/2023	12:55:00 AM	12	<	2.8	<	2.8
7/21/2023	1:00:00 AM	11.4	<	2.4	<	2.3
7/21/2023	1:05:00 AM	11.4	<	1.6	<	1.5
7/21/2023	1:10:00 AM	45.9	<	0	<	0
7/21/2023	1:15:00 AM	24.2	<	0.1	<	0
7/21/2023	1:20:00 AM	15.5	<	1.1	<	1
7/21/2023	1:25:00 AM	19.3	<	0.9	<	0.9
7/21/2023	1:30:00 AM	31.7	<	1	<	1
7/21/2023	1:35:00 AM	58.4	<	0.9	<	0.5
7/21/2023	1:40:00 AM	13.6	<	0.3	<	0.3
7/21/2023	1:45:00 AM	31.4	<	1.2	<	1.2
7/21/2023	1:50:00 AM	25.8	<	0.2	<	0.2
7/21/2023	1:55:00 AM	21.3	<	1.5	<	1.5
7/21/2023	2:00:00 AM	42.1	<	2.1	<	1.8
7/21/2023	2:05:00 AM	34.4	<	2.3	<	2.2
7/21/2023	2:10:00 AM	29.2	<	2.5	<	2.4
7/21/2023	2:15:00 AM	14.1	<	2.7	<	2.7
7/21/2023	2:20:00 AM	9.2	<	3	<	3
7/21/2023	2:25:00 AM	23.3	<	2.8	<	2.8
7/21/2023	2:30:00 AM	20.7	<	4.1	<	4.1
7/21/2023	2:35:00 AM	35.1	<	5.4	<	5.3
7/21/2023	2:40:00 AM	23.5	<	5	<	4.9
7/21/2023	2:45:00 AM	9	<	2.7	<	2.7
7/21/2023	2:50:00 AM	7.4	<	0.7	<	0.7
7/21/2023	2:55:00 AM	17.4	<	0.9	<	0.9
7/21/2023	3:00:00 AM	29.1	<	0.6	<	0.6
7/21/2023	3:05:00 AM	83	<	1.6	<	1.5
7/21/2023	3:10:00 AM	48.4	<	2.7	<	2.6
7/21/2023	3:15:00 AM	-1.2	<	4.2	<	4
7/21/2023	3:20:00 AM	-15.2	<	4.2	<	4.1
7/21/2023	3:25:00 AM	-3.5	<	5.3	<	5.3
7/21/2023	3:30:00 AM	11	<	5.4	<	5.4
7/21/2023	3:35:00 AM	21.7	<	5	<	5
7/21/2023	3:40:00 AM	35.7	<	4.1	<	4.1
7/21/2023	3:45:00 AM	22.6	<	3.8	<	3.8
7/21/2023	3:50:00 AM	28.9	<	2.9	<	2.9
7/21/2023	3:55:00 AM	32.9	<	4.3	<	4.3
7/21/2023	4:00:00 AM	47.1	<	5.9	<	5.8
7/21/2023	4:05:00 AM	48.8	<	4.8	<	4.7
7/21/2023	4:10:00 AM	59.4	<	5.2	<	5.1
7/21/2023	4:15:00 AM	50	<	5	<	4.9
7/21/2023	4:20:00 AM	40.2	<	3.8	<	3.7

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	4:25:00 AM	45.8	<	4.5	<	4.3
7/21/2023	4:30:00 AM	45.1	<	6.4	<	6.3
7/21/2023	4:35:00 AM	49.9	<	14	<	13.8
7/21/2023	4:40:00 AM	62.7	<	9.1	<	9
7/21/2023	4:45:00 AM	54	<	6.3	<	6.2
7/21/2023	4:50:00 AM	55.9	<	7.4	<	7.2
7/21/2023	4:55:00 AM	70	<	2.8	<	2.6
7/21/2023	5:00:00 AM	67.7	<	2	<	1.9
7/21/2023	5:05:00 AM	75.8	<	4.4	<	4.3
7/21/2023	5:10:00 AM	84.2	<	1.7	<	1.7
7/21/2023	5:15:00 AM	82.8	<	2	<	1.8
7/21/2023	5:20:00 AM	131.6	<	2.8	<	2.7
7/21/2023	5:25:00 AM	139.5	<	4	<	2.1
7/21/2023	5:30:00 AM	72.5	<	1	<	0.8
7/21/2023	5:35:00 AM	82.7	<	1.3	<	1
7/21/2023	5:40:00 AM	160.6	<	4.6	<	4.4
7/21/2023	5:45:00 AM	265.2	<	6.1	<	5.9
7/21/2023	5:50:00 AM	277.8	<	4.9	<	4.7
7/21/2023	5:55:00 AM	246.6	<	2.8	<	2.6
7/21/2023	6:00:00 AM	238.6	<	2.9	<	2.4
7/21/2023	6:05:00 AM	246.9	<	2.7	<	2.2
7/21/2023	6:10:00 AM	288.3	<	0.5	<	0.4
7/21/2023	6:15:00 AM	280.5	<	1.1	<	1.1
7/21/2023	6:20:00 AM	296	<	2	<	1.9
7/21/2023	6:25:00 AM	307.3	<	2.1	<	2.1
7/21/2023	6:30:00 AM	353.6	<	2.5	<	2.5
7/21/2023	6:35:00 AM	358.1	<	2.9	<	2.8
7/21/2023	6:40:00 AM	324.7	<	3.4	<	3.3
7/21/2023	6:45:00 AM	230.7	<	4.2	<	4.2
7/21/2023	6:50:00 AM	229.8	<	3.8	<	3.6
7/21/2023	6:55:00 AM	246	<	1.2	<	0.5
7/21/2023	7:00:00 AM	316.6	<	1.9	<	0.8
7/21/2023	7:05:00 AM	318.5	<	4.2	<	3.6
7/21/2023	7:10:00 AM	342.4	<	10.3	<	10
7/21/2023	7:15:00 AM	323.8	<	7.9	<	7.7
7/21/2023	7:20:00 AM	306.8	<	11.7	<	11.4
7/21/2023	7:25:00 AM	291.2	<	10.5	<	10.3
7/21/2023	7:30:00 AM	285	<	10	<	9.8
7/21/2023	7:35:00 AM	283.2	<	14.6	<	14.5
7/21/2023	7:40:00 AM	278.4	<	10.8	<	10.7
7/21/2023	7:45:00 AM	274.9	<	12.4	<	12.2
7/21/2023	7:50:00 AM	261.9	<	9.8	<	9.6
7/21/2023	7:55:00 AM	252.5	<	7.9	<	7.4
7/21/2023	8:00:00 AM	261.7	<	4.7	<	4.6
7/21/2023	8:05:00 AM	264.2	<	5.8	<	5.2
7/21/2023	8:10:00 AM	251.2	<	3	<	2.8
7/21/2023	8:15:00 AM	246.8	<	4.6	<	4.3
7/21/2023	8:20:00 AM	272.8	<	7.9	<	7.5
7/21/2023	8:25:00 AM	274.3	<	4.5	<	4.2
7/21/2023	8:30:00 AM	277.4	<	9	<	8.7
7/21/2023	8:35:00 AM	291.7	<	8.1	<	7.8
7/21/2023	8:40:00 AM	293.6	<	7.6	<	7.4
7/21/2023	8:45:00 AM	284.3	<	8.2	<	7.9

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/21/2023	8:50:00 AM	277.9	<	7.1	<	6.9
7/21/2023	8:55:00 AM	270.2	<	7.7	<	7.5
7/21/2023	9:00:00 AM	265.7	<	7.6	<	7.4
7/21/2023	9:05:00 AM	262.6	<	8.5	<	8.4
7/21/2023	9:10:00 AM	256.6	<	7.7	<	7.5
7/21/2023	9:15:00 AM	255.7	<	8.1	<	7.9
7/21/2023	9:20:00 AM	250.3	<	7.8	<	7.5
7/21/2023	9:25:00 AM	250	<	8.6	<	8.4
7/21/2023	9:30:00 AM	259.2	<	7.5	<	7.3
7/21/2023	9:35:00 AM	230.9	<	4.8	<	4.2
7/21/2023	9:40:00 AM	222.7	<	6.8	<	6.5
7/21/2023	9:45:00 AM	213.4	<	6.7	<	6.3
7/21/2023	9:50:00 AM	222.9	<	7.6	<	7.3
7/21/2023	9:55:00 AM	214.3	<	6.4	<	6.2
7/21/2023	10:00:00 AM	195.4	<	7	<	6.2
7/21/2023	10:05:00 AM	214.5	<	7.5	<	7.4
7/21/2023	10:10:00 AM	207	<	8	<	7.7
7/21/2023	10:15:00 AM	183.8	<	5.6	<	5.1
7/21/2023	10:20:00 AM	203.1	<	8.2	<	7.9
7/21/2023	10:25:00 AM	208.8	<	7.5	<	7.3
7/21/2023	10:30:00 AM	196.4	<	8	<	7.3
7/21/2023	10:35:00 AM	194.5	<	6.6	<	6
7/21/2023	10:40:00 AM	186	<	6	<	5.9
7/21/2023	10:45:00 AM	184.7	<	7.4	<	7.1
7/21/2023	10:50:00 AM	202.2	<	7	<	6.9
7/21/2023	10:55:00 AM	179.3	<	6.8	<	6.5
7/21/2023	11:00:00 AM	167.2	<	5.1	<	4.9
7/21/2023	11:05:00 AM	170	<	7.3	<	7
7/21/2023	11:10:00 AM	179.4	<	4.5	<	4.1
7/21/2023	11:15:00 AM	202.9	<	7.9	<	7.6
7/21/2023	11:20:00 AM	186.1	<	7.5	<	7.3
7/21/2023	11:25:00 AM	189.5	<	8.6	<	8.3
7/21/2023	11:30:00 AM	179.2	<	8.6	<	8.4
7/21/2023	11:35:00 AM	183.7	<	7.1	<	6.7
7/21/2023	11:40:00 AM	168.4	<	5.9	<	4.7
7/21/2023	11:45:00 AM	140.8	<	5.6	<	5.4
7/21/2023	11:50:00 AM	134.5	<	5	<	4.3
7/21/2023	11:55:00 AM	163.7	<	5.4	<	4.7
7/21/2023	12:00:00 PM	140.9	<	8.3	<	7.9
7/21/2023	12:05:00 PM	155.2	<	6	<	4.3
7/21/2023	12:10:00 PM	145.3	<	3	<	2.5
7/21/2023	12:15:00 PM	166.5	<	6.1	<	5.3
7/21/2023	12:20:00 PM	155.9	<	8	<	7.7
7/21/2023	12:25:00 PM	141.3	<	8.6	<	8.5
7/21/2023	12:30:00 PM	150.4	<	6.8	<	6.6
7/21/2023	12:35:00 PM	158.3	<	5.3	<	4.4
7/21/2023	12:40:00 PM	166.2	<	4.5	<	4.2
7/21/2023	12:45:00 PM	158.7	<	7.4	<	7.1
7/21/2023	12:50:00 PM	149.7	<	5	<	4.3
7/21/2023	12:55:00 PM	155.6	<	4.2	<	3
7/21/2023	1:00:00 PM	168.5	<	4.8	<	4.6
7/21/2023	1:05:00 PM	149.9	<	5.4	<	5
7/21/2023	1:10:00 PM	140.6	<	3.8	<	3.5

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	1:15:00 PM	147.7	<	3.5	<	3.2
7/21/2023	1:20:00 PM	168.1	<	5.3	<	5.2
7/21/2023	1:25:00 PM	144.5	<	7.8	<	6.9
7/21/2023	1:30:00 PM	150.8	<	5	<	4.7
7/21/2023	1:35:00 PM	196.7	<	3.9	<	2.9
7/21/2023	1:40:00 PM	166.5	<	6.8	<	6.4
7/21/2023	1:45:00 PM	144.1	<	6.1	<	5.2
7/21/2023	1:50:00 PM	143.4	<	5.9	<	5.7
7/21/2023	1:55:00 PM	139.6	<	4.9	<	4.1
7/21/2023	2:00:00 PM	125.4	<	8.3	<	7.7
7/21/2023	2:05:00 PM	106.5	<	7.7	<	7.4
7/21/2023	2:10:00 PM	120.9	<	4.5	<	4.3
7/21/2023	2:15:00 PM	124.8	<	9.7	<	9.3
7/21/2023	2:20:00 PM	110.7	<	5.6	<	5.2
7/21/2023	2:25:00 PM	113.7	<	6.6	<	6.4
7/21/2023	2:30:00 PM	107	<	6.9	<	6.7
7/21/2023	2:35:00 PM	117.7	<	9	<	8.2
7/21/2023	2:40:00 PM	113.7	<	10.8	<	10.3
7/21/2023	2:45:00 PM	101.4	<	9	<	7.9
7/21/2023	2:50:00 PM	102.7	<	7	<	6.5
7/21/2023	2:55:00 PM	104	<	8.8	<	8.3
7/21/2023	3:00:00 PM	85.9	<	4.3	<	4.1
7/21/2023	3:05:00 PM	83.8	<	10.6	<	10.2
7/21/2023	3:10:00 PM	75.4	<	6.8	<	6.4
7/21/2023	3:15:00 PM	75	<	4.7	<	4.5
7/21/2023	3:20:00 PM	58.3	<	6.9	<	6.7
7/21/2023	3:25:00 PM	23.3	<	7.8	<	7.5
7/21/2023	3:30:00 PM	-3.8	<	6.4	<	5.8
7/21/2023	3:35:00 PM	14.3	<	7.5	<	6.7
7/21/2023	3:40:00 PM	1.3	<	7.6	<	7.1
7/21/2023	3:45:00 PM	12	<	11.9	<	11.4
7/21/2023	3:50:00 PM	37.6	<	8.3	<	8.1
7/21/2023	3:55:00 PM	23.7	<	11.4	<	11
7/21/2023	4:00:00 PM	30.9	<	8.3	<	8.1
7/21/2023	4:05:00 PM	30.5	<	11.2	<	10.8
7/21/2023	4:10:00 PM	40.3	<	8	<	7.9
7/21/2023	4:15:00 PM	31.1	<	7	<	6.7
7/21/2023	4:20:00 PM	28.7	<	10.1	<	9.6
7/21/2023	4:25:00 PM	37.7	<	7.6	<	7.3
7/21/2023	4:30:00 PM	47.8	<	8.8	<	8.3
7/21/2023	4:35:00 PM	39.1	<	10.8	<	10
7/21/2023	4:40:00 PM	67.9	<	10.2	<	10
7/21/2023	4:45:00 PM	178.1	<	8	<	7.4
7/21/2023	4:50:00 PM	123.8	<	8	<	7.7
7/21/2023	4:55:00 PM	70.4	<	8.5	<	8.2
7/21/2023	5:00:00 PM	50.6	<	8.2	<	7.9
7/21/2023	5:05:00 PM	44.2	<	10.1	<	9.8
7/21/2023	5:10:00 PM	34	<	10	<	9.5
7/21/2023	5:15:00 PM	31.6	<	9	<	8.9
7/21/2023	5:20:00 PM	34.7	<	7.6	<	7.5
7/21/2023	5:25:00 PM	40.6	<	6.8	<	6.6
7/21/2023	5:30:00 PM	51.2	<	8.3	<	8.1
7/21/2023	5:35:00 PM	60.8	<	6.7	<	6.6

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/21/2023	5:40:00 PM	53.6	<	8.3	<	8.2
7/21/2023	5:45:00 PM	43.4	<	6.1	<	6
7/21/2023	5:50:00 PM	36.9	<	6.1	<	5.8
7/21/2023	5:55:00 PM	34.6	<	8.3	<	8
7/21/2023	6:00:00 PM	44.4	<	8.2	<	8.2
7/21/2023	6:05:00 PM	47.1	<	6	<	5.8
7/21/2023	6:10:00 PM	51.1	<	5.8	<	4.9
7/21/2023	6:15:00 PM	65.2	<	16	<	15.8
7/21/2023	6:20:00 PM	139.4	<	17.4	<	16.5
7/21/2023	6:25:00 PM	271	<	16.8	<	16.4
7/21/2023	6:30:00 PM	872.8	<	20.2	<	19.9
7/21/2023	6:35:00 PM	781.3	<	17.1	<	16.8
7/21/2023	6:40:00 PM	550.8	<	18	<	17.1
7/21/2023	6:45:00 PM	487.2	<	18.9	<	18.5
7/21/2023	6:50:00 PM	290	<	18.2	<	17.4
7/21/2023	6:55:00 PM	174.6	<	18.8	<	18.2
7/21/2023	7:00:00 PM	151.6	<	19.1	<	18.8
7/21/2023	7:05:00 PM	116.1	<	16.9	<	16.7
7/21/2023	7:10:00 PM	76.7	<	17.3	<	17
7/21/2023	7:15:00 PM	60.6	<	17	<	16.8
7/21/2023	7:20:00 PM	56.1	<	13.6	<	13.3
7/21/2023	7:25:00 PM	41.4	<	15.3	<	15
7/21/2023	7:30:00 PM	27.6	<	12.6	<	12.4
7/21/2023	7:35:00 PM	18.7	<	13	<	12.8
7/21/2023	7:40:00 PM	15.5	<	12.3	<	12
7/21/2023	7:45:00 PM	16.5	<	11.6	<	11.4
7/21/2023	7:50:00 PM	17.5	<	9.9	<	9.6
7/21/2023	7:55:00 PM	25.8	<	7.2	<	7
7/21/2023	8:00:00 PM	27.5	<	7	<	6.7
7/21/2023	8:05:00 PM	24.7	<	7.4	<	7.2
7/21/2023	8:10:00 PM	15.9	<	6.9	<	6.6
7/21/2023	8:15:00 PM	13.2	<	8.7	<	8.4
7/21/2023	8:20:00 PM	14.8	<	7.5	<	7.1
7/21/2023	8:25:00 PM	13	<	5.6	<	5.5
7/21/2023	8:30:00 PM	15.3	<	7	<	6.7
7/21/2023	8:35:00 PM	9	<	7	<	6.7
7/21/2023	8:40:00 PM	7.7	<	6.6	<	6.5
7/21/2023	8:45:00 PM	13	<	6.3	<	6.2
7/21/2023	8:50:00 PM	13.8	<	5.7	<	5.5
7/21/2023	8:55:00 PM	8.6	<	6.7	<	6.5
7/21/2023	9:00:00 PM	2.5	<	7.1	<	7
7/21/2023	9:05:00 PM	15.1	<	6.1	<	6
7/21/2023	9:10:00 PM	17.9	<	6.3	<	6.2
7/21/2023	9:15:00 PM	20.8	<	6.1	<	6
7/21/2023	9:20:00 PM	30.3	<	5.3	<	5.2
7/21/2023	9:25:00 PM	43	<	4.7	<	4.6
7/21/2023	9:30:00 PM	59.9	<	4.8	<	4.8
7/21/2023	9:35:00 PM	71.7	<	4.6	<	4.6
7/21/2023	9:40:00 PM	87.9	<	4	<	3.9
7/21/2023	9:45:00 PM	65.9	<	3.4	<	3.4
7/21/2023	9:50:00 PM	54	<	2.6	<	2.5
7/21/2023	9:55:00 PM	47.1	<	2.2	<	2.2
7/21/2023	10:00:00 PM	33.7	<	1.9	<	1.8

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/21/2023	10:05:00 PM	29.8	<	2.4	<	2.4
7/21/2023	10:10:00 PM	38.6	<	2.7	<	2.6
7/21/2023	10:15:00 PM	39.6	<	4.3	<	4.3
7/21/2023	10:20:00 PM	30.6	<	5.9	<	5.8
7/21/2023	10:25:00 PM	36.7	<	5.8	<	5.8
7/21/2023	10:30:00 PM	42.6	<	4.2	<	4.1
7/21/2023	10:35:00 PM	43.5	<	2.6	<	2.6
7/21/2023	10:40:00 PM	41.2	<	1.5	<	0.7
7/21/2023	10:45:00 PM	57.3	<	3.5	<	3.5
7/21/2023	10:50:00 PM	46.9	<	4.4	<	4.4
7/21/2023	10:55:00 PM	52.6	<	2.8	<	2.6
7/21/2023	11:00:00 PM	44.1	<	0.8	<	0.7
7/21/2023	11:05:00 PM	43.5	<	3	<	3
7/21/2023	11:10:00 PM	46.4	<	5.4	<	5.4
7/21/2023	11:15:00 PM	51.8	<	3.4	<	1.3
7/21/2023	11:20:00 PM	87.1	<	3.4	<	2.2
7/21/2023	11:25:00 PM	77.5	<	6	<	5.6
7/21/2023	11:30:00 PM	122.5	<	13	<	12.7
7/21/2023	11:35:00 PM	297.2	<	11.7	<	11.3
7/21/2023	11:40:00 PM	483.5	<	11.9	<	11.7
7/21/2023	11:45:00 PM	562.2	<	8	<	7.9
7/21/2023	11:50:00 PM	564.6	<	9.2	<	9
7/21/2023	11:55:00 PM	520.2	<	10.1	<	9.8
Average		125.5		6.4		6.1
Max		872.8	0	20.2	0	19.9
Max Hour						
Min		-15.2	0	0	0	0
Count		288	0	288	0	288
Total						

Site: Higley						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	12:00:00 AM	71.7	142.6	3.4	142.7	3.4
7/26/2023	12:05:00 AM	66.2	145.2	3.2	145.8	3.2
7/26/2023	12:10:00 AM	61.4	161	2.6	160.7	2.6
7/26/2023	12:15:00 AM	56	169.6	3.2	169.8	3.2
7/26/2023	12:20:00 AM	48.8	180.7	2.4	180.6	2.3
7/26/2023	12:25:00 AM	42.1	186.8	2.3	186.5	2.3
7/26/2023	12:30:00 AM	39.2	194.7	3.5	194.8	3.4
7/26/2023	12:35:00 AM	39.5	197.4	2.5	197.2	2.4
7/26/2023	12:40:00 AM	38.4	169.9	1.8	171	1.8
7/26/2023	12:45:00 AM	36.5	129.6	2.1	129.3	2
7/26/2023	12:50:00 AM	36.2	90.5	3.2	89.7	3.2
7/26/2023	12:55:00 AM	38.2	84.8	4.7	84.4	4.6
7/26/2023	1:00:00 AM	39.1	82.5	5.3	82.4	5.2
7/26/2023	1:05:00 AM	37.5	116.8	2.7	118	2.6
7/26/2023	1:10:00 AM	34.9	141.8	2.3	142.6	2.3
7/26/2023	1:15:00 AM	35.5	110.6	1.6	109.1	1.5
7/26/2023	1:20:00 AM	37.9	149.1	1.4	148.7	1.3
7/26/2023	1:25:00 AM	37.4	139.5	1.7	138.8	1.7
7/26/2023	1:30:00 AM	35.7	120.1	2.8	120.1	2.8
7/26/2023	1:35:00 AM	36.2	138.4	3.8	138.6	3.8
7/26/2023	1:40:00 AM	39.6	91.3	2.8	89.3	2.7
7/26/2023	1:45:00 AM	41.5	128.3	3.9	130.3	3.8
7/26/2023	1:50:00 AM	40	133.6	4.4	133.5	4.4
7/26/2023	1:55:00 AM	38.5	158.7	3.1	158	3.1
7/26/2023	2:00:00 AM	39.9	176.1	3.3	175.4	3.3
7/26/2023	2:05:00 AM	42.4	171.9	2.7	172.2	2.7
7/26/2023	2:10:00 AM	42	156.9	1.4	158.6	1.4
7/26/2023	2:15:00 AM	39.5	139	1.1	139.2	1.1
7/26/2023	2:20:00 AM	38.9	138.7	1.8	138.4	1.8
7/26/2023	2:25:00 AM	41.1	152.7	2	153.6	1.9
7/26/2023	2:30:00 AM	41.9	163.6	2.8	163.9	2.8
7/26/2023	2:35:00 AM	40.1	156.5	2	157.5	2
7/26/2023	2:40:00 AM	38	168.9	1.5	172.7	1.3
7/26/2023	2:45:00 AM	38.3	216.1	2.4	216.5	2.4
7/26/2023	2:50:00 AM	39	215.2	2.6	215.3	2.6
7/26/2023	2:55:00 AM	37.7	200.8	1.9	209.4	1.9
7/26/2023	3:00:00 AM	35.5	138.7	1.3	138.4	1.2
7/26/2023	3:05:00 AM	35.4	154.2	1.7	154.3	1.6
7/26/2023	3:10:00 AM	36.9	180.6	1.3	177.8	1.3
7/26/2023	3:15:00 AM	36.8	203.4	0	198.2	0.3
7/26/2023	3:20:00 AM	34.9	185.5	1	191.2	1
7/26/2023	3:25:00 AM	33.1	185.1	0	214.1	0.4
7/26/2023	3:30:00 AM	34.5	47.3	1.3	38.5	1.2
7/26/2023	3:35:00 AM	36.6	32	3.6	32.6	3.6
7/26/2023	3:40:00 AM	36.7	38.7	4.2	38.5	4.2
7/26/2023	3:45:00 AM	37.2	47.4	2.8	47.4	2.7
7/26/2023	3:50:00 AM	41.6	63.3	2.8	64	2.8
7/26/2023	3:55:00 AM	47.8	80.5	2.1	79.8	2
7/26/2023	4:00:00 AM	51.9	87.6	1.3	87.7	1.2
7/26/2023	4:05:00 AM	53.2	34.3	1.6	31.4	1.5
7/26/2023	4:10:00 AM	53.8	35.9	2.7	36.1	2.7
7/26/2023	4:15:00 AM	55.2	55.4	3.3	55.8	3.3
7/26/2023	4:20:00 AM	59.6	65.9	3.6	64.6	3.6

Site: Higley						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	4:25:00 AM	62.5	80.1	2.8	81.4	2.7
7/26/2023	4:30:00 AM	60.4	82.8	4.3	83.9	4.3
7/26/2023	4:35:00 AM	57	91.6	5.1	91.3	5
7/26/2023	4:40:00 AM	55.5	84.3	5	83.8	4.9
7/26/2023	4:45:00 AM	54.6	86.9	4.7	86.4	4.6
7/26/2023	4:50:00 AM	54.5	107.1	5	107.8	4.9
7/26/2023	4:55:00 AM	52.5	113.9	6.5	113.3	6.4
7/26/2023	5:00:00 AM	49.3	111	7.5	111	7.3
7/26/2023	5:05:00 AM	54.1	107.7	6.6	107.6	6.6
7/26/2023	5:10:00 AM	66.2	108.4	6.1	108.5	6
7/26/2023	5:15:00 AM	79.6	106.2	4.2	107.1	4.2
7/26/2023	5:20:00 AM	86.5	124.1	3.1	123.8	3
7/26/2023	5:25:00 AM	98	119	3.4	118.9	3.3
7/26/2023	5:30:00 AM	106.7	96.5	2.1	97.7	2
7/26/2023	5:35:00 AM	114.7	75.6	2.6	75.8	2.5
7/26/2023	5:40:00 AM	116.7	66.6	2.1	66.4	2.1
7/26/2023	5:45:00 AM	113.6	60.9	4	60.9	4
7/26/2023	5:50:00 AM	113.7	63.7	4.5	63.6	4.5
7/26/2023	5:55:00 AM	111.4	68	4.8	68.8	4.7
7/26/2023	6:00:00 AM	109.1	71.6	4	71.4	3.9
7/26/2023	6:05:00 AM	128.5	82.1	4.9	82.4	4.8
7/26/2023	6:10:00 AM	134.5	84.6	4.4	84.5	4.3
7/26/2023	6:15:00 AM	130.3	92.5	4.8	93	4.7
7/26/2023	6:20:00 AM	126.3	94.5	5.7	95	5.6
7/26/2023	6:25:00 AM	131.2	93.7	6.1	94	6
7/26/2023	6:30:00 AM	140.9	97.3	5.8	97.8	5.7
7/26/2023	6:35:00 AM	141.1	96.3	8.2	96.5	8.1
7/26/2023	6:40:00 AM	143.5	104	7.5	104.2	7.4
7/26/2023	6:45:00 AM	150.8	105.3	7.5	105.4	7.4
7/26/2023	6:50:00 AM	154.8	113.3	6.8	113.3	6.7
7/26/2023	6:55:00 AM	149.5	112.8	6.3	112.5	6.2
7/26/2023	7:00:00 AM	140.2	109.6	6	109.8	5.9
7/26/2023	7:05:00 AM	134.5	113.7	6.2	113.5	6.1
7/26/2023	7:10:00 AM	141.9	109.9	7	109.7	6.9
7/26/2023	7:15:00 AM	177	109.4	7.3	109.4	7.2
7/26/2023	7:20:00 AM	193	115.3	7.2	115.4	7.1
7/26/2023	7:25:00 AM	183.4	120.4	7.6	120.5	7.5
7/26/2023	7:30:00 AM	170.7	120.5	7.9	120.7	7.9
7/26/2023	7:35:00 AM	154.7	117.7	7.1	118.9	7
7/26/2023	7:40:00 AM	133.9	122.7	4.5	122.8	4.4
7/26/2023	7:45:00 AM	115.3	125	4.3	126.1	4.1
7/26/2023	7:50:00 AM	104.9	116.7	5.4	116.9	5.1
7/26/2023	7:55:00 AM	97.8	139.5	5.2	138.9	5.1
7/26/2023	8:00:00 AM	88.3	128.7	4.5	128.4	4.4
7/26/2023	8:05:00 AM	80.6	118.7	3.4	118	3.2
7/26/2023	8:10:00 AM	80.1	140.7	2.6	140.8	2.4
7/26/2023	8:15:00 AM	79.6	151.4	3.6	151.2	3.5
7/26/2023	8:20:00 AM	74.4	185.9	3.2	184.9	3.1
7/26/2023	8:25:00 AM	69.8	163.3	2.3	161	2.2
7/26/2023	8:30:00 AM	74	146.7	2.8	147.3	2.6
7/26/2023	8:35:00 AM	75.4	139	2.7	139.3	2.7
7/26/2023	8:40:00 AM	73.4	177.7	2.7	182.5	2.4
7/26/2023	8:45:00 AM	70.7	199.6	2.6	202.4	2.4

Site: Higley						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	8:50:00 AM	73.4	220.8	1.6	216.1	1.4
7/26/2023	8:55:00 AM	74.4	210.2	3.6	210.1	3.3
7/26/2023	9:00:00 AM	70.3	191.9	2.6	190.8	2.5
7/26/2023	9:05:00 AM	68.9	228.3	4.6	227.7	4.4
7/26/2023	9:10:00 AM	74.3	232.9	4.1	234.7	4
7/26/2023	9:15:00 AM	73.2	217.4	3.2	221.6	2.8
7/26/2023	9:20:00 AM	65	231.4	5.6	230.8	5.4
7/26/2023	9:25:00 AM	60.7	231.6	6.2	231.1	6.1
7/26/2023	9:30:00 AM	61.1	233.8	6.5	233.7	6.3
7/26/2023	9:35:00 AM	57.2	224.1	6.4	225.9	6.1
7/26/2023	9:40:00 AM	51.1	228	6.7	228.8	6.6
7/26/2023	9:45:00 AM	50.6	228.7	6.6	229.9	6.4
7/26/2023	9:50:00 AM	51.5	186.2	4.1	189.4	3.8
7/26/2023	9:55:00 AM	46.5	181.7	4.1	174.2	3.7
7/26/2023	10:00:00 AM	44.1	212.4	6	214	5.5
7/26/2023	10:05:00 AM	47.3	231.1	7.9	230.3	7.7
7/26/2023	10:10:00 AM	47.9	235.5	5.7	234.5	5.6
7/26/2023	10:15:00 AM	45.5	225	4.2	224.4	4
7/26/2023	10:20:00 AM	47.7	200.5	5.7	203.3	5.5
7/26/2023	10:25:00 AM	55.6	157.2	3.2	162.8	2.8
7/26/2023	10:30:00 AM	57.8	202.7	5.5	205.2	5.2
7/26/2023	10:35:00 AM	56.7	213.3	4.1	215.7	3.6
7/26/2023	10:40:00 AM	61	216.4	4.6	216.3	4
7/26/2023	10:45:00 AM	65.9	210.1	5.5	209.8	5.3
7/26/2023	10:50:00 AM	64.3	180.1	5.7	182.9	5
7/26/2023	10:55:00 AM	62.1	200.1	4.8	196	4.3
7/26/2023	11:00:00 AM	65.3	181.3	4.2	176	3.3
7/26/2023	11:05:00 AM	65.4	132.7	3.2	131.7	2.9
7/26/2023	11:10:00 AM	59.4	231.9	7.7	234.6	7.5
7/26/2023	11:15:00 AM	56.8	242.8	4.8	242.9	4.5
7/26/2023	11:20:00 AM	59.7	192.3	4.1	225.3	3.5
7/26/2023	11:25:00 AM	59.5	200.7	2.8	228.8	2.5
7/26/2023	11:30:00 AM	56.3	233.7	1.6	242.1	1.1
7/26/2023	11:35:00 AM	56.6	252.9	5.7	250.6	5.4
7/26/2023	11:40:00 AM	61.6	229	5.2	229	5
7/26/2023	11:45:00 AM	56.9	240.2	5.4	238.1	5.2
7/26/2023	11:50:00 AM	51.1	239.8	7.6	237.6	6.9
7/26/2023	11:55:00 AM	54.3	216.3	6.1	216.8	6
7/26/2023	12:00:00 PM	54.2	250.4	7.5	249.8	7
7/26/2023	12:05:00 PM	49.1	290	8.7	290.3	8.6
7/26/2023	12:10:00 PM	47	308.5	4.5	306.4	4.3
7/26/2023	12:15:00 PM	47.1	241.5	7.3	236.5	6
7/26/2023	12:20:00 PM	45.2	256.6	4.8	249.6	2.7
7/26/2023	12:25:00 PM	40.6	277.3	5.2	277	4.8
7/26/2023	12:30:00 PM	44	250.2	6.7	252.4	6.1
7/26/2023	12:35:00 PM	49.1	270.6	7.2	274.7	6.9
7/26/2023	12:40:00 PM	46.6	233.5	6.8	234.1	6.6
7/26/2023	12:45:00 PM	43.5	244.1	6.8	241.2	6.3
7/26/2023	12:50:00 PM	46.2	287.9	5.6	287.9	5.3
7/26/2023	12:55:00 PM	46.3	297.8	4.1	296.8	3.7
7/26/2023	1:00:00 PM	40.3	301.3	4.5	297.7	3.4
7/26/2023	1:05:00 PM	40.9	287.7	4.5	281.4	4
7/26/2023	1:10:00 PM	44.7	302.2	4.2	300.9	3.6

Site: Higley						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	1:15:00 PM	42.2	294.3	7	283.4	6.6
7/26/2023	1:20:00 PM	39.4	282.8	7.6	277.3	7.1
7/26/2023	1:25:00 PM	44.4	252.5	6.4	257.7	5.7
7/26/2023	1:30:00 PM	47.4	286.1	6.8	283.6	6.6
7/26/2023	1:35:00 PM	44.4	285.2	9.2	286.6	8.8
7/26/2023	1:40:00 PM	44.4	300.6	6.3	299.1	6.1
7/26/2023	1:45:00 PM	48.6	256.6	7.9	255.2	7.6
7/26/2023	1:50:00 PM	47	258.5	6.9	258.2	6.6
7/26/2023	1:55:00 PM	42.1	300.2	7.3	291.5	6.9
7/26/2023	2:00:00 PM	42.8	315.8	7.7	304.2	6.8
7/26/2023	2:05:00 PM	47.3	286.3	8.8	285	8.2
7/26/2023	2:10:00 PM	46.7	308.7	8.7	304.1	8.4
7/26/2023	2:15:00 PM	45.2	294.3	9.1	293.8	8.9
7/26/2023	2:20:00 PM	45.9	286.5	8.9	285	8.5
7/26/2023	2:25:00 PM	45.8	283	10.1	284.1	9.9
7/26/2023	2:30:00 PM	41.7	283.9	7	283.6	6.8
7/26/2023	2:35:00 PM	41	279.9	8.3	282.8	7.9
7/26/2023	2:40:00 PM	44.1	304.7	6.6	300	6.4
7/26/2023	2:45:00 PM	42.7	291.7	5.8	288.4	5.4
7/26/2023	2:50:00 PM	38.8	289.4	10.2	290.8	10
7/26/2023	2:55:00 PM	42.1	282.2	7.8	278.6	7.6
7/26/2023	3:00:00 PM	44.8	275.2	10.6	276.5	10
7/26/2023	3:05:00 PM	41.7	280.6	10.8	281.2	10.3
7/26/2023	3:10:00 PM	40.4	287.5	11.4	287.8	11.2
7/26/2023	3:15:00 PM	48.7	257.9	9.2	262.4	8.8
7/26/2023	3:20:00 PM	64.4	265.6	11.1	266	10.4
7/26/2023	3:25:00 PM	64	269.5	10.2	269.2	9.9
7/26/2023	3:30:00 PM	61.3	276.2	10.7	275.4	10.5
7/26/2023	3:35:00 PM	58.8	278.2	7.8	278	7.6
7/26/2023	3:40:00 PM	52.4	259.5	7.4	257.4	7.1
7/26/2023	3:45:00 PM	44.9	279.4	9.2	282.2	8.7
7/26/2023	3:50:00 PM	44	285.1	12.5	283.3	12.3
7/26/2023	3:55:00 PM	44.6	289.3	8.8	287.1	8.5
7/26/2023	4:00:00 PM	40.6	305.2	8.8	300.2	8.4
7/26/2023	4:05:00 PM	38.8	281.4	9.3	283.4	9
7/26/2023	4:10:00 PM	39.9	283.6	11	283.2	10.5
7/26/2023	4:15:00 PM	39.8	304	7.3	296.3	6.9
7/26/2023	4:20:00 PM	34.7	281.1	10.2	280.6	9.9
7/26/2023	4:25:00 PM	33.6	274.3	9	275.4	8.5
7/26/2023	4:30:00 PM	34.9	273.8	9.3	274.5	8.8
7/26/2023	4:35:00 PM	32.6	273.1	8.9	274.7	8.4
7/26/2023	4:40:00 PM	29.2	292.7	11.1	291.5	10.8
7/26/2023	4:45:00 PM	31.5	317.8	4.6	304.7	4
7/26/2023	4:50:00 PM	32.1	315.1	6.9	301.3	6.4
7/26/2023	4:55:00 PM	27.3	289.4	8.3	288.6	8
7/26/2023	5:00:00 PM	24.6	300.8	8.9	299.3	8.7
7/26/2023	5:05:00 PM	26.7	273.3	9.3	274.5	9
7/26/2023	5:10:00 PM	27.8	290.4	8.1	290.7	8
7/26/2023	5:15:00 PM	25	276	7.5	278.9	7
7/26/2023	5:20:00 PM	24.9	265.2	7.2	265.4	6.9
7/26/2023	5:25:00 PM	28	293.8	7.4	292.3	7.2
7/26/2023	5:30:00 PM	27.5	308.3	7.9	302.6	7.6
7/26/2023	5:35:00 PM	24.7	305.5	5.4	302.8	5.2

Site: Higley						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	5:40:00 PM	26.1	293.2	6.1	289.5	5.9
7/26/2023	5:45:00 PM	28.6	293.5	6.9	290.9	6.7
7/26/2023	5:50:00 PM	26.2	287.4	7	285.6	6.8
7/26/2023	5:55:00 PM	24	282.9	9.8	282.8	9.6
7/26/2023	6:00:00 PM	25.8	294	8.9	294.1	8.8
7/26/2023	6:05:00 PM	26.9	292.3	8.4	292.5	8.3
7/26/2023	6:10:00 PM	24.4	288.1	8	288.4	7.9
7/26/2023	6:15:00 PM	23.9	302.6	6	301.7	5.7
7/26/2023	6:20:00 PM	26.4	295.6	8.6	295.7	8.5
7/26/2023	6:25:00 PM	26.6	290.6	7.1	290.8	7
7/26/2023	6:30:00 PM	24.1	285	6.5	285.6	6.4
7/26/2023	6:35:00 PM	25.1	289.2	8.3	288.2	8.2
7/26/2023	6:40:00 PM	28.4	281.1	6.6	281.3	6.4
7/26/2023	6:45:00 PM	27.8	284.3	6.9	284.8	6.8
7/26/2023	6:50:00 PM	25.1	280	7.1	279.6	7
7/26/2023	6:55:00 PM	25.5	277.6	7.3	277.4	7.3
7/26/2023	7:00:00 PM	28.6	282.9	7.2	283.1	7
7/26/2023	7:05:00 PM	27.3	276	5.7	275.9	5.6
7/26/2023	7:10:00 PM	25.2	271.8	6.3	271.5	6.3
7/26/2023	7:15:00 PM	26.5	274.1	5.9	274	5.8
7/26/2023	7:20:00 PM	28.5	277.7	5.6	278.3	5.5
7/26/2023	7:25:00 PM	27	279.6	5.7	279.3	5.6
7/26/2023	7:30:00 PM	24.9	280.6	6.2	280.3	6.1
7/26/2023	7:35:00 PM	27.4	277.6	5	277.6	4.9
7/26/2023	7:40:00 PM	29.7	275	5.1	274.8	5
7/26/2023	7:45:00 PM	28	273.5	5.8	273.6	5.7
7/26/2023	7:50:00 PM	25.5	272.5	5.3	272.3	5.3
7/26/2023	7:55:00 PM	27.2	265.2	5.4	266.1	5.3
7/26/2023	8:00:00 PM	31.2	255.2	6.3	255.3	6.3
7/26/2023	8:05:00 PM	32.1	260.3	6.9	260.4	6.7
7/26/2023	8:10:00 PM	32	261.4	5.7	261	5.6
7/26/2023	8:15:00 PM	35.8	265.6	3.8	265.9	3.7
7/26/2023	8:20:00 PM	39.4	262.7	3.9	262.6	3.9
7/26/2023	8:25:00 PM	38.1	257	4	258.1	3.9
7/26/2023	8:30:00 PM	36	228.6	3.7	230.6	3.3
7/26/2023	8:35:00 PM	40.2	240.1	4	240.1	3.9
7/26/2023	8:40:00 PM	46	242.6	4.9	242	4.8
7/26/2023	8:45:00 PM	44.1	245.2	5.2	245.9	5.1
7/26/2023	8:50:00 PM	40.2	247.5	4.6	248	4.5
7/26/2023	8:55:00 PM	40.8	238.9	5.2	238.9	5.1
7/26/2023	9:00:00 PM	42.4	230.9	5.5	231	5.4
7/26/2023	9:05:00 PM	40.7	205.1	3.7	205.2	3.7
7/26/2023	9:10:00 PM	39.8	198.4	5.4	198.6	5.3
7/26/2023	9:15:00 PM	43	182.2	3.9	183.4	3.7
7/26/2023	9:20:00 PM	48.1	163.3	8.7	164.4	8.4
7/26/2023	9:25:00 PM	54.5	172.2	16.8	171	16
7/26/2023	9:30:00 PM	93.9	175.3	16.4	176.1	15.8
7/26/2023	9:35:00 PM	293.3	141	16.3	140.5	15.9
7/26/2023	9:40:00 PM	1169.5	141.8	23.8	141.5	23
7/26/2023	9:45:00 PM	2894.2	127.6	31.1	128.1	30.5
7/26/2023	9:50:00 PM	4555	130	29.1	130	28.8
7/26/2023	9:55:00 PM	5125	130.4	29.5	129.9	29.2
7/26/2023	10:00:00 PM	4617.3	126.8	27.1	126.7	26.7

Site: Higley						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/26/2023	10:05:00 PM	3766.2	118.3	27.8	118.4	27.4
7/26/2023	10:10:00 PM	2893.5	118.5	26.4	118.4	25.9
7/26/2023	10:15:00 PM	2135.7	129.7	21.2	130.2	20.7
7/26/2023	10:20:00 PM	1550	139.1	19.3	139.2	19
7/26/2023	10:25:00 PM	1107.5	150.5	10.5	147.4	9.9
7/26/2023	10:30:00 PM	786.5	154.6	9.3	156	8.7
7/26/2023	10:35:00 PM	555.4	124.6	16.2	124.3	15.8
7/26/2023	10:40:00 PM	388.7	119.7	19.1	119.6	18.7
7/26/2023	10:45:00 PM	274	123.8	14.6	122.9	14.2
7/26/2023	10:50:00 PM	194.5	119	5.5	122.7	0.6
7/26/2023	10:55:00 PM	142.3	4.2	6.4	1.9	5.9
7/26/2023	11:00:00 PM	115.8	12.6	13.1	12.2	11.9
7/26/2023	11:05:00 PM	106.6	24.1	14.5	24.5	14.1
7/26/2023	11:10:00 PM	99	44.6	9.9	41.4	9.4
7/26/2023	11:15:00 PM	77.3	334.1	3.2	324.4	1.1
7/26/2023	11:20:00 PM	68.8	63.6	5.3	95	3.2
7/26/2023	11:25:00 PM	50.8	135.8	13.5	136.7	13
7/26/2023	11:30:00 PM	33.1	121.6	18.6	122.2	18.4
7/26/2023	11:35:00 PM	24.1	108.5	13.6	109	13.4
7/26/2023	11:40:00 PM	22.1	116.5	12.1	116.5	11.9
7/26/2023	11:45:00 PM	17.4	100.3	15.3	100.6	15
7/26/2023	11:50:00 PM	10.6	87.7	20.1	87.5	19.3
7/26/2023	11:55:00 PM	20.4	68.6	20.4	68.8	20.1
Average		165.3	207	6.6	205.2	1.4
Max		5125	334.1	31.1	324.4	30.5
Max Hour		360257.3448	6592.675765	24.36151846	6493.778775	23.67709337
Min		10.6	4.2	0	1.9	0.3
Count		288	288	288	288	288
Total		47622.7	55860.8	1919.5	55872.7	1844.3

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	12:00:00 AM	19.9	<	2.1	<	2
7/26/2023	12:05:00 AM	22.4	<	2.6	<	2.6
7/26/2023	12:10:00 AM	37.9	<	1.2	<	0.7
7/26/2023	12:15:00 AM	18.6	<	2.3	<	2.1
7/26/2023	12:20:00 AM	10.3	<	2.2	<	2.2
7/26/2023	12:25:00 AM	12.7	<	2.5	<	2.5
7/26/2023	12:30:00 AM	18	<	1.6	<	1.6
7/26/2023	12:35:00 AM	22	<	2.6	<	2.6
7/26/2023	12:40:00 AM	21.9	<	3.8	<	3.8
7/26/2023	12:45:00 AM	20	<	2.7	<	2.7
7/26/2023	12:50:00 AM	23.6	<	0.5	<	0.5
7/26/2023	12:55:00 AM	33.1	<	0	<	0
7/26/2023	1:00:00 AM	36.7	<	3.6	<	3.6
7/26/2023	1:05:00 AM	30.9	<	4	<	4
7/26/2023	1:10:00 AM	23	<	3.7	<	3.7
7/26/2023	1:15:00 AM	30.8	<	3.2	<	3.2
7/26/2023	1:20:00 AM	32.9	<	1.5	<	1.4
7/26/2023	1:25:00 AM	31.1	<	1.4	<	1.3
7/26/2023	1:30:00 AM	27.7	<	2.2	<	2.1
7/26/2023	1:35:00 AM	22.5	<	2.8	<	2.7
7/26/2023	1:40:00 AM	19.1	<	3.4	<	3.4
7/26/2023	1:45:00 AM	17.3	<	3.7	<	3.7
7/26/2023	1:50:00 AM	14.6	<	4.1	<	4
7/26/2023	1:55:00 AM	12.8	<	3	<	3
7/26/2023	2:00:00 AM	16.9	<	2	<	1.9
7/26/2023	2:05:00 AM	22	<	3	<	2.8
7/26/2023	2:10:00 AM	21.9	<	2.7	<	2.6
7/26/2023	2:15:00 AM	23.3	<	2.6	<	2.5
7/26/2023	2:20:00 AM	24.1	<	4.3	<	4.1
7/26/2023	2:25:00 AM	24.4	<	3.9	<	3.8
7/26/2023	2:30:00 AM	23.1	<	3.4	<	3.2
7/26/2023	2:35:00 AM	21.3	<	2.9	<	2.7
7/26/2023	2:40:00 AM	19.8	<	3.3	<	2.5
7/26/2023	2:45:00 AM	20.2	<	3.2	<	3
7/26/2023	2:50:00 AM	20.5	<	3.2	<	3.1
7/26/2023	2:55:00 AM	22.2	<	2.6	<	2.5
7/26/2023	3:00:00 AM	22.1	<	3.5	<	3.4
7/26/2023	3:05:00 AM	21.7	<	3.3	<	3.3
7/26/2023	3:10:00 AM	20.5	<	3.1	<	3
7/26/2023	3:15:00 AM	25.2	<	3.5	<	3.4
7/26/2023	3:20:00 AM	28.2	<	3.4	<	3.3
7/26/2023	3:25:00 AM	27.4	<	2.1	<	2.1
7/26/2023	3:30:00 AM	24.3	<	2.5	<	2.5
7/26/2023	3:35:00 AM	25.4	<	3.6	<	3.5
7/26/2023	3:40:00 AM	19.8	<	3.6	<	3.1
7/26/2023	3:45:00 AM	38.2	<	2.9	<	2.8
7/26/2023	3:50:00 AM	23.5	<	2.9	<	2.8
7/26/2023	3:55:00 AM	22.2	<	2.5	<	2.5
7/26/2023	4:00:00 AM	34.3	<	1.9	<	1.9
7/26/2023	4:05:00 AM	63.6	<	2.8	<	2.7
7/26/2023	4:10:00 AM	17.7	<	3.5	<	2.6
7/26/2023	4:15:00 AM	33.2	<	2	<	1.8
7/26/2023	4:20:00 AM	35.4	<	0.6	<	0.6

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	4:25:00 AM	29	<	1.3	<	1.2
7/26/2023	4:30:00 AM	15.2	<	1.6	<	1.6
7/26/2023	4:35:00 AM	27.7	<	1.5	<	1.5
7/26/2023	4:40:00 AM	38.8	<	1.9	<	1.9
7/26/2023	4:45:00 AM	36.9	<	2.4	<	2.3
7/26/2023	4:50:00 AM	21.9	<	3.4	<	3.4
7/26/2023	4:55:00 AM	23.8	<	3.3	<	3.3
7/26/2023	5:00:00 AM	32.8	<	2	<	1.9
7/26/2023	5:05:00 AM	35.4	<	3.9	<	3.8
7/26/2023	5:10:00 AM	40.1	<	3.1	<	2.9
7/26/2023	5:15:00 AM	33.5	<	2	<	1.9
7/26/2023	5:20:00 AM	40.3	<	1.6	<	1.3
7/26/2023	5:25:00 AM	33	<	3.4	<	3.4
7/26/2023	5:30:00 AM	28.3	<	0.7	<	0.7
7/26/2023	5:35:00 AM	45.3	<	1.6	<	1.5
7/26/2023	5:40:00 AM	21.8	<	2	<	1.8
7/26/2023	5:45:00 AM	24.7	<	1.5	<	1.5
7/26/2023	5:50:00 AM	32.6	<	2.7	<	2.6
7/26/2023	5:55:00 AM	45.4	<	4.2	<	4.2
7/26/2023	6:00:00 AM	48.7	<	4	<	4
7/26/2023	6:05:00 AM	53.7	<	4	<	4
7/26/2023	6:10:00 AM	49.9	<	3.5	<	3.5
7/26/2023	6:15:00 AM	57.7	<	2.8	<	2.6
7/26/2023	6:20:00 AM	113.5	<	1.9	<	1.7
7/26/2023	6:25:00 AM	150.6	<	1.5	<	1.3
7/26/2023	6:30:00 AM	128.1	<	2.5	<	2.4
7/26/2023	6:35:00 AM	130.7	<	2.7	<	2.5
7/26/2023	6:40:00 AM	191.9	<	1.5	<	1.5
7/26/2023	6:45:00 AM	165.5	<	0.9	<	0.7
7/26/2023	6:50:00 AM	96.9	<	2.2	<	2.2
7/26/2023	6:55:00 AM	68.8	<	2	<	2
7/26/2023	7:00:00 AM	56	<	1.1	<	0.9
7/26/2023	7:05:00 AM	78.8	<	2.4	<	2.4
7/26/2023	7:10:00 AM	99.8	<	3.4	<	3.3
7/26/2023	7:15:00 AM	45.9	<	2.9	<	2.8
7/26/2023	7:20:00 AM	23.9	<	2.6	<	2.3
7/26/2023	7:25:00 AM	31.9	<	2.1	<	2
7/26/2023	7:30:00 AM	29.4	<	3.3	<	3.2
7/26/2023	7:35:00 AM	41.4	<	4.4	<	4.4
7/26/2023	7:40:00 AM	46.3	<	4.9	<	4.8
7/26/2023	7:45:00 AM	59.9	<	3.7	<	3.5
7/26/2023	7:50:00 AM	63.4	<	5.6	<	5.4
7/26/2023	7:55:00 AM	56.9	<	3.8	<	3.7
7/26/2023	8:00:00 AM	49.8	<	3.4	<	3.2
7/26/2023	8:05:00 AM	47.7	<	2.7	<	2.4
7/26/2023	8:10:00 AM	52.8	<	2.9	<	2.7
7/26/2023	8:15:00 AM	48.3	<	3.2	<	3.1
7/26/2023	8:20:00 AM	52.7	<	4.8	<	4.7
7/26/2023	8:25:00 AM	61.3	<	5.3	<	5
7/26/2023	8:30:00 AM	60.2	<	4.1	<	3.9
7/26/2023	8:35:00 AM	37.7	<	4.2	<	3.9
7/26/2023	8:40:00 AM	47.2	<	3.4	<	2.9
7/26/2023	8:45:00 AM	61	<	5	<	4.9

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	8:50:00 AM	52.8	<	4.5	<	4.4
7/26/2023	8:55:00 AM	48.5	<	4.4	<	4.3
7/26/2023	9:00:00 AM	45	<	3.9	<	3.8
7/26/2023	9:05:00 AM	70.1	<	4.1	<	3.9
7/26/2023	9:10:00 AM	70	<	5.2	<	4.7
7/26/2023	9:15:00 AM	48.7	<	5.3	<	5.1
7/26/2023	9:20:00 AM	49.6	<	6.8	<	6.7
7/26/2023	9:25:00 AM	54.3	<	7.1	<	7
7/26/2023	9:30:00 AM	56.8	<	6.1	<	6
7/26/2023	9:35:00 AM	59.4	<	7.5	<	7.3
7/26/2023	9:40:00 AM	49.9	<	7.2	<	6.9
7/26/2023	9:45:00 AM	59.4	<	7.3	<	7.1
7/26/2023	9:50:00 AM	50.5	<	7.9	<	7.7
7/26/2023	9:55:00 AM	53.2	<	7.8	<	7.6
7/26/2023	10:00:00 AM	63.5	<	7.7	<	7.3
7/26/2023	10:05:00 AM	52.4	<	8.6	<	7.6
7/26/2023	10:10:00 AM	38.4	<	7.8	<	7.6
7/26/2023	10:15:00 AM	60.8	<	8.3	<	8.1
7/26/2023	10:20:00 AM	53.6	<	6.4	<	6
7/26/2023	10:25:00 AM	53.5	<	6.3	<	6.1
7/26/2023	10:30:00 AM	55.7	<	5.6	<	5.4
7/26/2023	10:35:00 AM	53.1	<	6.7	<	6.4
7/26/2023	10:40:00 AM	37.6	<	7.2	<	7.1
7/26/2023	10:45:00 AM	28.1	<	6.2	<	5.9
7/26/2023	10:50:00 AM	41.5	<	4.9	<	4.5
7/26/2023	10:55:00 AM	61.7	<	6.5	<	6.4
7/26/2023	11:00:00 AM	69.1	<	7.7	<	7.5
7/26/2023	11:05:00 AM	73.8	<	10.1	<	9.8
7/26/2023	11:10:00 AM	95.5	<	7.6	<	7.2
7/26/2023	11:15:00 AM	94.5	<	8.9	<	8.6
7/26/2023	11:20:00 AM	86.6	<	8.4	<	8.3
7/26/2023	11:25:00 AM	63.7	<	6.3	<	6
7/26/2023	11:30:00 AM	41.2	<	8.2	<	7.8
7/26/2023	11:35:00 AM	46.6	<	4.3	<	4.1
7/26/2023	11:40:00 AM	60.6	<	7.5	<	7.2
7/26/2023	11:45:00 AM	48.3	<	4	<	3.4
7/26/2023	11:50:00 AM	31.2	<	5.7	<	4.8
7/26/2023	11:55:00 AM	71.3	<	5.4	<	5
7/26/2023	12:00:00 PM	92	<	5.4	<	4.7
7/26/2023	12:05:00 PM	99.8	<	6.9	<	6.1
7/26/2023	12:10:00 PM	113.6	<	7.8	<	7.6
7/26/2023	12:15:00 PM	100.8	<	6.3	<	5.4
7/26/2023	12:20:00 PM	85.6	<	9.9	<	9.7
7/26/2023	12:25:00 PM	117.8	<	7.1	<	6.5
7/26/2023	12:30:00 PM	170.6	<	9.1	<	7.6
7/26/2023	12:35:00 PM	115.2	<	9	<	7.8
7/26/2023	12:40:00 PM	132.3	<	10.3	<	9.9
7/26/2023	12:45:00 PM	178.9	<	7.7	<	7.3
7/26/2023	12:50:00 PM	161.8	<	7.5	<	6.6
7/26/2023	12:55:00 PM	118.5	<	10.2	<	9.6
7/26/2023	1:00:00 PM	124.1	<	9.3	<	9.1
7/26/2023	1:05:00 PM	101.5	<	9.5	<	8.9
7/26/2023	1:10:00 PM	67.1	<	7.6	<	6.8

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	1:15:00 PM	63.6	<	11.2	<	10.8
7/26/2023	1:20:00 PM	72.5	<	11.9	<	11.2
7/26/2023	1:25:00 PM	85.2	<	6.7	<	6.1
7/26/2023	1:30:00 PM	73.6	<	8.2	<	7.4
7/26/2023	1:35:00 PM	66.7	<	10.3	<	4.8
7/26/2023	1:40:00 PM	16.2	<	10.9	<	10.7
7/26/2023	1:45:00 PM	9.6	<	11.8	<	11.6
7/26/2023	1:50:00 PM	13.6	<	10.4	<	10
7/26/2023	1:55:00 PM	18.8	<	5.8	<	5.4
7/26/2023	2:00:00 PM	35	<	6	<	5.4
7/26/2023	2:05:00 PM	53.7	<	10	<	9.4
7/26/2023	2:10:00 PM	44.7	<	8.3	<	7.9
7/26/2023	2:15:00 PM	34.6	<	7.5	<	6.8
7/26/2023	2:20:00 PM	35.6	<	5.2	<	4.2
7/26/2023	2:25:00 PM	41.6	<	8.3	<	8.2
7/26/2023	2:30:00 PM	136.2	<	5.1	<	4.9
7/26/2023	2:35:00 PM	276.6	<	8.6	<	7.7
7/26/2023	2:40:00 PM	179.6	<	12.2	<	12
7/26/2023	2:45:00 PM	121.7	<	9	<	8.7
7/26/2023	2:50:00 PM	58.4	<	4.8	<	4.3
7/26/2023	2:55:00 PM	44.9	<	5.5	<	5.1
7/26/2023	3:00:00 PM	40.3	<	7.4	<	7.2
7/26/2023	3:05:00 PM	54.5	<	11.4	<	11.2
7/26/2023	3:10:00 PM	145.4	<	10.7	<	10.5
7/26/2023	3:15:00 PM	91.5	<	8.8	<	6.8
7/26/2023	3:20:00 PM	54.7	<	8.9	<	8.6
7/26/2023	3:25:00 PM	32.3	<	9.7	<	9.3
7/26/2023	3:30:00 PM	23.5	<	7.2	<	6.6
7/26/2023	3:35:00 PM	25.2	<	7.2	<	6.9
7/26/2023	3:40:00 PM	49	<	7.1	<	6.9
7/26/2023	3:45:00 PM	45.4	<	8.7	<	8.6
7/26/2023	3:50:00 PM	36.1	<	8.4	<	7.9
7/26/2023	3:55:00 PM	59.4	<	11.8	<	11.6
7/26/2023	4:00:00 PM	169.8	<	10.7	<	10.5
7/26/2023	4:05:00 PM	259.4	<	10	<	9.7
7/26/2023	4:10:00 PM	153.3	<	6.3	<	5.8
7/26/2023	4:15:00 PM	83.7	<	5.1	<	3.2
7/26/2023	4:20:00 PM	392.9	<	8.5	<	8.3
7/26/2023	4:25:00 PM	425.5	<	10.6	<	10.3
7/26/2023	4:30:00 PM	207.3	<	10.8	<	10.5
7/26/2023	4:35:00 PM	103.2	<	8	<	7.8
7/26/2023	4:40:00 PM	106.6	<	11.7	<	11.3
7/26/2023	4:45:00 PM	77.9	<	6.8	<	6.7
7/26/2023	4:50:00 PM	43.8	<	7.6	<	7.3
7/26/2023	4:55:00 PM	30.5	<	8.2	<	7.5
7/26/2023	5:00:00 PM	19.2	<	8.4	<	8.2
7/26/2023	5:05:00 PM	13.9	<	9.7	<	9.6
7/26/2023	5:10:00 PM	18.4	<	6	<	5.8
7/26/2023	5:15:00 PM	24.4	<	8	<	7.7
7/26/2023	5:20:00 PM	18.9	<	9.1	<	8.6
7/26/2023	5:25:00 PM	22.5	<	9.9	<	9.8
7/26/2023	5:30:00 PM	37.6	<	7.1	<	7
7/26/2023	5:35:00 PM	47.1	<	7.9	<	7.7

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
7/26/2023	5:40:00 PM	34.9	<	9.3	<	9.1
7/26/2023	5:45:00 PM	33.4	<	8.7	<	8.5
7/26/2023	5:50:00 PM	33.3	<	8.7	<	8.5
7/26/2023	5:55:00 PM	32.8	<	9.1	<	8.8
7/26/2023	6:00:00 PM	145.5	<	8.4	<	8.3
7/26/2023	6:05:00 PM	220.2	<	8.3	<	8.1
7/26/2023	6:10:00 PM	304.6	<	9.1	<	8.8
7/26/2023	6:15:00 PM	200.2	<	7.2	<	7.1
7/26/2023	6:20:00 PM	96.8	<	11	<	10.9
7/26/2023	6:25:00 PM	52.7	<	10.5	<	10.4
7/26/2023	6:30:00 PM	41.8	<	9.3	<	9.2
7/26/2023	6:35:00 PM	38.2	<	10.6	<	10.4
7/26/2023	6:40:00 PM	31.6	<	9.7	<	9.6
7/26/2023	6:45:00 PM	28.2	<	8.5	<	8.4
7/26/2023	6:50:00 PM	40.8	<	8.6	<	8.5
7/26/2023	6:55:00 PM	115.8	<	9.8	<	9.7
7/26/2023	7:00:00 PM	333	<	9.9	<	9.8
7/26/2023	7:05:00 PM	231.3	<	10.2	<	10
7/26/2023	7:10:00 PM	114.3	<	7.8	<	7.7
7/26/2023	7:15:00 PM	65.4	<	8.7	<	8.6
7/26/2023	7:20:00 PM	93.4	<	8.1	<	7.9
7/26/2023	7:25:00 PM	108	<	8.5	<	8.4
7/26/2023	7:30:00 PM	156.5	<	8.8	<	8.7
7/26/2023	7:35:00 PM	97.1	<	8.8	<	8.7
7/26/2023	7:40:00 PM	54.9	<	6.7	<	6.6
7/26/2023	7:45:00 PM	82.7	<	8.1	<	8.1
7/26/2023	7:50:00 PM	129.1	<	8.1	<	8
7/26/2023	7:55:00 PM	79.6	<	7.2	<	7.1
7/26/2023	8:00:00 PM	47.7	<	7	<	7
7/26/2023	8:05:00 PM	35.3	<	6.6	<	6.5
7/26/2023	8:10:00 PM	32.4	<	6	<	5.9
7/26/2023	8:15:00 PM	36.2	<	5.8	<	5.8
7/26/2023	8:20:00 PM	49.1	<	5.8	<	5.7
7/26/2023	8:25:00 PM	51.8	<	6.2	<	6.1
7/26/2023	8:30:00 PM	47.6	<	5.1	<	5.1
7/26/2023	8:35:00 PM	46.3	<	4	<	3.7
7/26/2023	8:40:00 PM	42.3	<	6.9	<	6.5
7/26/2023	8:45:00 PM	31	<	8.3	<	7.9
7/26/2023	8:50:00 PM	3.7	<	7.4	<	7.2
7/26/2023	8:55:00 PM	16.2	<	5.5	<	5.4
7/26/2023	9:00:00 PM	28.9	<	6.3	<	6
7/26/2023	9:05:00 PM	27.7	<	5.9	<	5.6
7/26/2023	9:10:00 PM	14.8	<	6.4	<	6
7/26/2023	9:15:00 PM	18.1	<	8.3	<	8
7/26/2023	9:20:00 PM	23.1	<	4.6	<	4.4
7/26/2023	9:25:00 PM	21.1	<	5.5	<	5.3
7/26/2023	9:30:00 PM	25.3	<	7.3	<	7.2
7/26/2023	9:35:00 PM	18.9	<	7.9	<	7.7
7/26/2023	9:40:00 PM	14.6	<	6.4	<	6.3
7/26/2023	9:45:00 PM	10.1	<	5.6	<	5.4
7/26/2023	9:50:00 PM	7.5	<	5.8	<	5.6
7/26/2023	9:55:00 PM	8.1	<	4.5	<	4.4
7/26/2023	10:00:00 PM	12.9	<	4	<	3.8

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
7/26/2023	10:05:00 PM	19.8	<	4	<	3.8
7/26/2023	10:10:00 PM	13.1	<	5.1	<	4.9
7/26/2023	10:15:00 PM	10.9	<	4.1	<	3.9
7/26/2023	10:20:00 PM	13.3	<	2.2	<	2
7/26/2023	10:25:00 PM	21.3	<	1.8	<	1.6
7/26/2023	10:30:00 PM	50	<	3.1	<	3
7/26/2023	10:35:00 PM	69.4	<	5.5	<	5.4
7/26/2023	10:40:00 PM	48.4	<	23	<	22.1
7/26/2023	10:45:00 PM	560.2	<	27.5	<	27
7/26/2023	10:50:00 PM	5137.3	<	32.9	<	32.4
7/26/2023	10:55:00 PM	5704.6	<	24.6	<	24.1
7/26/2023	11:00:00 PM	3053.5	<	29.6	<	28.9
7/26/2023	11:05:00 PM	1760.3	<	24.1	<	23.7
7/26/2023	11:10:00 PM	980.2	<	15.3	<	15
7/26/2023	11:15:00 PM	479.4	<	14.5	<	14.2
7/26/2023	11:20:00 PM	205.1	<	10.3	<	9.8
7/26/2023	11:25:00 PM	120.3	<	9.8	<	9.5
7/26/2023	11:30:00 PM	88.2	<	5.8	<	5.5
7/26/2023	11:35:00 PM	71.4	<	7.5	<	6.5
7/26/2023	11:40:00 PM	100.8	<	5	<	5
7/26/2023	11:45:00 PM	72.2	<	5.1	<	5
7/26/2023	11:50:00 PM	51.6	<	3.7	<	3.7
7/26/2023	11:55:00 PM	33.9	<	6.7	<	5.8
Average		121.4		6.3		6.0
Max		5704.6	0	32.9	0	32.4
Max Hour						
Min		3.7	0	0	0	0
Count		288	0	288	0	288
Total						

Site: Central Phoenix						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	12:00:00 AM	83.7	242.5	3.9	242.7	3.8
8/31/2023	12:05:00 AM	79.2	251	5.2	250.7	5.1
8/31/2023	12:10:00 AM	74.7	249.7	4.3	250.4	4.2
8/31/2023	12:15:00 AM	70.4	260.1	3.8	258.2	3.7
8/31/2023	12:20:00 AM	66.4	271.9	3.2	270.6	3.1
8/31/2023	12:25:00 AM	62.8	276.2	3.6	274.5	3.3
8/31/2023	12:30:00 AM	58.7	296.4	4.3	296.2	4.2
8/31/2023	12:35:00 AM	57.4	300.7	4.8	299.8	4.4
8/31/2023	12:40:00 AM	53.6	315.7	3.5	314.9	3.3
8/31/2023	12:45:00 AM	52.1	300.5	4.6	301.7	4.3
8/31/2023	12:50:00 AM	52.3	295.5	3.8	295.7	3.6
8/31/2023	12:55:00 AM	52.5	293.1	3.6	295.8	3.4
8/31/2023	1:00:00 AM	50.7	313	3.2	310.7	3
8/31/2023	1:05:00 AM	48.3	302.3	3.9	298.8	3.6
8/31/2023	1:10:00 AM	44.1	13.5	3.9	13.4	3.8
8/31/2023	1:15:00 AM	44	24.8	3.4	22.9	3.2
8/31/2023	1:20:00 AM	52.4	21.9	3.8	23.4	3.6
8/31/2023	1:25:00 AM	65.3	34.7	5.1	35.3	4.9
8/31/2023	1:30:00 AM	78.8	39.5	3.4	39.3	3.4
8/31/2023	1:35:00 AM	91.8	50.6	4.4	50.7	4.3
8/31/2023	1:40:00 AM	108.7	45.3	5.4	45.5	5.3
8/31/2023	1:45:00 AM	128.3	38.3	4.2	38.3	4
8/31/2023	1:50:00 AM	146	47.8	4.4	47.4	4.3
8/31/2023	1:55:00 AM	161.8	57.5	4.6	57.3	4.5
8/31/2023	2:00:00 AM	171.5	64.8	5.2	63.9	5.1
8/31/2023	2:05:00 AM	175.7	57.5	4.1	56.8	4
8/31/2023	2:10:00 AM	176.5	73.5	3.1	74.4	3
8/31/2023	2:15:00 AM	172.6	79.7	3.8	81.4	3.7
8/31/2023	2:20:00 AM	163.3	74	3	74.6	2.9
8/31/2023	2:25:00 AM	152	58.5	2.2	60.3	2.1
8/31/2023	2:30:00 AM	142.4	67.4	2.8	66.4	2.8
8/31/2023	2:35:00 AM	134.9	68.8	4	69.1	3.9
8/31/2023	2:40:00 AM	128.4	73.5	5.3	74	5.1
8/31/2023	2:45:00 AM	117	83.4	4.8	84.2	4.7
8/31/2023	2:50:00 AM	103.4	102.7	4.4	101.4	4.2
8/31/2023	2:55:00 AM	90.5	96.9	3.4	95.3	3.2
8/31/2023	3:00:00 AM	81.5	55.3	5.4	54.9	5.3
8/31/2023	3:05:00 AM	75.9	52.4	5.5	52.3	5.4
8/31/2023	3:10:00 AM	72.9	52.4	5.7	52.6	5.6
8/31/2023	3:15:00 AM	69.7	45.2	4.5	46.2	4.4
8/31/2023	3:20:00 AM	69.2	46.6	4.7	47.6	4.6
8/31/2023	3:25:00 AM	69.4	66.6	4.5	66.7	4.3
8/31/2023	3:30:00 AM	68.2	59.3	3.9	59.2	3.8
8/31/2023	3:35:00 AM	64.9	43.8	3.6	44.4	3.5
8/31/2023	3:40:00 AM	61.3	20.4	2.5	24.9	2.3
8/31/2023	3:45:00 AM	59.2	19.9	3.3	18.8	3.1
8/31/2023	3:50:00 AM	58.3	23.5	3.3	23.9	3.1
8/31/2023	3:55:00 AM	57.5	30.4	4.1	30.5	4
8/31/2023	4:00:00 AM	56.5	28.7	4.5	28.3	4.3
8/31/2023	4:05:00 AM	54.9	39.2	3.6	38.8	3.5
8/31/2023	4:10:00 AM	53.3	41	3.2	41.2	3
8/31/2023	4:15:00 AM	50.9	40.6	3.5	41.3	3.4
8/31/2023	4:20:00 AM	49.1	27.9	2.1	23.8	2

Site: Central Phoenix						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	4:25:00 AM	47.9	38.4	3	38.6	2.9
8/31/2023	4:30:00 AM	46.4	45.7	2.7	47.4	2.7
8/31/2023	4:35:00 AM	45.6	54	3.6	55.4	3.5
8/31/2023	4:40:00 AM	44.9	66.6	3.9	67.3	3.8
8/31/2023	4:45:00 AM	44.2	68.5	3.8	68.8	3.7
8/31/2023	4:50:00 AM	43.1	68.9	3.7	68.8	3.6
8/31/2023	4:55:00 AM	41.8	47.5	3.1	49	2.9
8/31/2023	5:00:00 AM	40.9	24.5	2.9	26.2	2.8
8/31/2023	5:05:00 AM	40.9	31.7	3.7	30.1	3.5
8/31/2023	5:10:00 AM	40.4	47.8	4.5	48.2	4.4
8/31/2023	5:15:00 AM	39.7	54.3	3.2	52.6	3.2
8/31/2023	5:20:00 AM	39.9	117.9	1.3	103.2	0.8
8/31/2023	5:25:00 AM	39.1	117.7	2.6	112.6	2.4
8/31/2023	5:30:00 AM	37.8	49.3	3	50.4	2.9
8/31/2023	5:35:00 AM	37.2	45.6	3.3	46.5	3.2
8/31/2023	5:40:00 AM	37.5	53.1	3.1	53.3	3
8/31/2023	5:45:00 AM	37	54.1	2.1	54.1	2
8/31/2023	5:50:00 AM	36.9	46.1	2.8	45.7	2.8
8/31/2023	5:55:00 AM	35.8	49.4	2.8	49.7	2.8
8/31/2023	6:00:00 AM	35.7	37.4	2.8	37.1	2.7
8/31/2023	6:05:00 AM	35.6	46.8	3.7	47.3	3.6
8/31/2023	6:10:00 AM	35.7	42.2	2.9	42	2.8
8/31/2023	6:15:00 AM	36.3	60.5	3.1	60.2	3
8/31/2023	6:20:00 AM	37	69.3	3.5	69.4	3.4
8/31/2023	6:25:00 AM	37.7	68.7	2.4	68.4	2.3
8/31/2023	6:30:00 AM	37.5	67.3	2.4	67.3	2.4
8/31/2023	6:35:00 AM	37.3	63.9	3.7	63.4	3.6
8/31/2023	6:40:00 AM	37.7	71.9	3	71.9	2.9
8/31/2023	6:45:00 AM	38.8	81	2.5	81.5	2.5
8/31/2023	6:50:00 AM	39.7	69.1	2.9	68.7	2.8
8/31/2023	6:55:00 AM	41.3	90.7	3	90.3	3
8/31/2023	7:00:00 AM	44.2	102.4	3.2	101.8	3.1
8/31/2023	7:05:00 AM	46.8	100.3	2.1	101.8	2
8/31/2023	7:10:00 AM	48.2	113.4	3.5	112.5	3.4
8/31/2023	7:15:00 AM	48.4	100	3.6	100	3.4
8/31/2023	7:20:00 AM	47.8	98.1	3.4	99.2	3.2
8/31/2023	7:25:00 AM	47.9	107.6	2.1	103.8	2
8/31/2023	7:30:00 AM	47.7	117.4	2.5	116.9	2.3
8/31/2023	7:35:00 AM	47.3	134.9	5.8	136.5	5.6
8/31/2023	7:40:00 AM	46.3	140.6	6.4	141.3	6.3
8/31/2023	7:45:00 AM	45	138.5	6	138.4	5.8
8/31/2023	7:50:00 AM	44	126	5.2	128.2	4.9
8/31/2023	7:55:00 AM	44	138.5	6.3	139.1	6.2
8/31/2023	8:00:00 AM	45.5	141.6	5.7	141.4	5.7
8/31/2023	8:05:00 AM	46.5	116.3	5	116.3	4.7
8/31/2023	8:10:00 AM	47.5	119	4.9	118.8	4.7
8/31/2023	8:15:00 AM	48.3	134.3	4.1	138.6	3.8
8/31/2023	8:20:00 AM	49.2	131.2	4	126.8	3.8
8/31/2023	8:25:00 AM	50.7	146.8	4.7	148.6	4.6
8/31/2023	8:30:00 AM	50.8	139	5.8	137.9	5.7
8/31/2023	8:35:00 AM	51	129.1	6.1	130.3	5.8
8/31/2023	8:40:00 AM	51.6	107.2	4.3	110.5	4
8/31/2023	8:45:00 AM	51.1	131	4.7	129.4	4.5

Site: Central Phoenix						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	8:50:00 AM	50.1	106.9	3.6	104	3.3
8/31/2023	8:55:00 AM	48.8	123.5	3.4	122.2	3.1
8/31/2023	9:00:00 AM	46.2	158.8	3.6	158.7	3.5
8/31/2023	9:05:00 AM	43	175.5	2.7	166.9	2.2
8/31/2023	9:10:00 AM	40.4	119.2	1.2	141	0.9
8/31/2023	9:15:00 AM	38.8	135.2	4.5	136.4	4.1
8/31/2023	9:20:00 AM	37.4	111.1	2.4	108.9	2.3
8/31/2023	9:25:00 AM	36.9	71.9	2.1	66.6	1.6
8/31/2023	9:30:00 AM	36.2	92	1.4	95.1	1.2
8/31/2023	9:35:00 AM	36.1	137.1	3.3	136.2	3.1
8/31/2023	9:40:00 AM	35.6	149.4	2.3	141.6	2.2
8/31/2023	9:45:00 AM	35.1	<	<	<	<
8/31/2023	9:50:00 AM	33.6	<	<	<	<
8/31/2023	9:55:00 AM	32.7	<	<	<	<
8/31/2023	10:00:00 AM	32.7	<	<	<	<
8/31/2023	10:05:00 AM	34.8	<	<	<	<
8/31/2023	10:10:00 AM	36.2	<	<	<	<
8/31/2023	10:15:00 AM	35.6	<	<	<	<
8/31/2023	10:20:00 AM	36	<	<	<	<
8/31/2023	10:25:00 AM	35.3	<	<	<	<
8/31/2023	10:30:00 AM	34.4	256.5	8.3	255.7	8.1
8/31/2023	10:35:00 AM	36.8	230.8	4.2	245.7	2.9
8/31/2023	10:40:00 AM	40.3	276.6	4.8	271.2	4.4
8/31/2023	10:45:00 AM	43.8	265.6	2.5	265.3	2
8/31/2023	10:50:00 AM	46.5	311.2	3.9	301	3.5
8/31/2023	10:55:00 AM	48.6	261	6.6	259.4	5.9
8/31/2023	11:00:00 AM	47.8	255.8	8.7	258.9	8.1
8/31/2023	11:05:00 AM	43.6	268	7.1	271.8	6.7
8/31/2023	11:10:00 AM	41.5	288.8	9.4	290	8.8
8/31/2023	11:15:00 AM	41.1	252.6	8.3	252.2	8.1
8/31/2023	11:20:00 AM	39.9	236.3	5.8	240.3	4.9
8/31/2023	11:25:00 AM	37.8	221.7	6.5	218.1	5.3
8/31/2023	11:30:00 AM	36	308.8	6.6	314.5	6
8/31/2023	11:35:00 AM	32.8	280	9.1	280.1	8.7
8/31/2023	11:40:00 AM	30.6	277.1	5.9	275.7	5.7
8/31/2023	11:45:00 AM	28.7	305.5	6.5	305.4	6.2
8/31/2023	11:50:00 AM	26	309.2	4.9	313.3	4.4
8/31/2023	11:55:00 AM	23.7	256.5	8.2	257.4	7.9
8/31/2023	12:00:00 PM	22.8	263	7.4	265.8	6.8
8/31/2023	12:05:00 PM	22.8	282.3	11	282.2	10.7
8/31/2023	12:10:00 PM	23.5	274	10	274.5	9.6
8/31/2023	12:15:00 PM	24.7	270.5	8.7	271.4	8.2
8/31/2023	12:20:00 PM	26.8	267.4	9	268.5	8.5
8/31/2023	12:25:00 PM	29.9	275.5	9.8	277.5	9
8/31/2023	12:30:00 PM	32.5	257.6	7.1	257.7	6.3
8/31/2023	12:35:00 PM	32.3	304.4	6.9	301.7	6.1
8/31/2023	12:40:00 PM	31.3	270.3	6.1	271.3	5.5
8/31/2023	12:45:00 PM	29.5	299.8	6.5	299.6	6
8/31/2023	12:50:00 PM	28.3	289.3	4.8	277	4.1
8/31/2023	12:55:00 PM	26.6	286.5	3.3	274.9	1.7
8/31/2023	1:00:00 PM	26.9	254.8	7.7	257.6	7.4
8/31/2023	1:05:00 PM	28.8	252.4	8.5	251.6	8
8/31/2023	1:10:00 PM	31.1	243.2	9.8	240.8	9.3

Site: Central Phoenix						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	1:15:00 PM	34.3	251.7	10.1	253.4	9.7
8/31/2023	1:20:00 PM	35.8	263.3	8.5	263.7	8.2
8/31/2023	1:25:00 PM	36.2	252.9	7.1	253.6	6.9
8/31/2023	1:30:00 PM	34.8	269.3	9.9	269.8	9.5
8/31/2023	1:35:00 PM	32.9	279.4	8.9	278.8	8.4
8/31/2023	1:40:00 PM	30.5	279	8.9	279.5	8.6
8/31/2023	1:45:00 PM	28.6	259.9	7.5	260.2	7.2
8/31/2023	1:50:00 PM	28.4	264.1	9.7	264	9
8/31/2023	1:55:00 PM	27.6	260.8	10.2	261.3	10
8/31/2023	2:00:00 PM	27.4	271.5	7.8	271.2	7.1
8/31/2023	2:05:00 PM	26.7	274.7	10.4	274.8	9.8
8/31/2023	2:10:00 PM	27	301.4	8.4	302.4	8
8/31/2023	2:15:00 PM	28.2	251.9	8.7	250.8	8.2
8/31/2023	2:20:00 PM	28.8	273	8.1	272.6	7.9
8/31/2023	2:25:00 PM	27.5	277.7	6.6	274.6	6.2
8/31/2023	2:30:00 PM	28.9	263.7	8.4	264	8.1
8/31/2023	2:35:00 PM	29.8	282.6	10.4	283.9	9.8
8/31/2023	2:40:00 PM	30.3	262.4	10.9	261	10.5
8/31/2023	2:45:00 PM	30.4	282.4	9.2	277.4	8.7
8/31/2023	2:50:00 PM	29.4	267.3	8.6	266.7	8.1
8/31/2023	2:55:00 PM	30	265.3	11	265.2	10.7
8/31/2023	3:00:00 PM	31.2	261.2	11.5	260.9	11.3
8/31/2023	3:05:00 PM	32.5	255.2	9.3	258.2	9
8/31/2023	3:10:00 PM	32.9	270.8	9.5	269.1	9.2
8/31/2023	3:15:00 PM	33.1	272	9.7	273	9.3
8/31/2023	3:20:00 PM	35	274	11.9	273.6	11.5
8/31/2023	3:25:00 PM	37.4	271.3	13.5	271.1	13
8/31/2023	3:30:00 PM	40.2	284.8	10.3	286	9.8
8/31/2023	3:35:00 PM	43	264.5	13	264.9	12.2
8/31/2023	3:40:00 PM	48.9	251.1	13.1	245.8	12.1
8/31/2023	3:45:00 PM	54.2	265.5	13.2	264.5	12.8
8/31/2023	3:50:00 PM	55.5	258	11	257.9	10.7
8/31/2023	3:55:00 PM	56	239.8	13.8	239.8	13.5
8/31/2023	4:00:00 PM	55.5	248	8.1	249.2	7.6
8/31/2023	4:05:00 PM	52.3	264.4	12.2	264.5	11.7
8/31/2023	4:10:00 PM	48.3	251.1	12.9	250.6	12.6
8/31/2023	4:15:00 PM	44.9	251.4	9.5	251.6	9.2
8/31/2023	4:20:00 PM	41.7	257.7	10	256.9	9.8
8/31/2023	4:25:00 PM	38.9	266.7	11.5	266.6	10.9
8/31/2023	4:30:00 PM	36.9	273.5	9.9	273.7	9.1
8/31/2023	4:35:00 PM	35.6	251	9.9	251.9	9.7
8/31/2023	4:40:00 PM	35.3	263.9	9.4	262.3	9.2
8/31/2023	4:45:00 PM	35.2	261.4	9.7	262.4	9.4
8/31/2023	4:50:00 PM	34.6	248.2	11.4	248.1	11.2
8/31/2023	4:55:00 PM	34.7	256.7	9.5	256.1	9.3
8/31/2023	5:00:00 PM	34.6	250	11.4	250.2	11
8/31/2023	5:05:00 PM	35.6	263.5	10.5	261.9	10
8/31/2023	5:10:00 PM	35.8	269.1	9.5	271.4	9
8/31/2023	5:15:00 PM	36.7	262.1	10.3	262.9	10
8/31/2023	5:20:00 PM	38.4	268.1	10.3	267.8	10
8/31/2023	5:25:00 PM	38.3	273.1	9.1	272.7	8.8
8/31/2023	5:30:00 PM	35.4	269.8	7.2	273.3	6.7
8/31/2023	5:35:00 PM	36	259.4	10.7	258.3	10.3

Site: Central Phoenix						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	5:40:00 PM	39.3	256.4	10.2	256.1	10
8/31/2023	5:45:00 PM	40.7	261.9	11.8	260.9	10.9
8/31/2023	5:50:00 PM	42.5	252.7	10.8	252.9	10.5
8/31/2023	5:55:00 PM	42.7	267.9	12	268.4	11.6
8/31/2023	6:00:00 PM	42.4	257.1	10.9	257.8	10.5
8/31/2023	6:05:00 PM	42.1	263.8	11.6	264.2	11.3
8/31/2023	6:10:00 PM	41.6	263.1	10.7	263.6	10.4
8/31/2023	6:15:00 PM	41.1	262.3	10.3	262.9	9.9
8/31/2023	6:20:00 PM	39.7	266.5	11	265.2	10.7
8/31/2023	6:25:00 PM	38.3	266	10.4	265.3	10.1
8/31/2023	6:30:00 PM	37	262.4	11.7	262.1	11.3
8/31/2023	6:35:00 PM	38	261.1	9.5	261.1	9.2
8/31/2023	6:40:00 PM	39.6	273.3	7.9	273.8	7.7
8/31/2023	6:45:00 PM	40.7	262.2	9.8	261.3	9.5
8/31/2023	6:50:00 PM	41.6	265.1	9.5	265.2	9.3
8/31/2023	6:55:00 PM	42.2	263.4	9.1	264.6	8.8
8/31/2023	7:00:00 PM	41.8	269.7	10.1	268.9	9.8
8/31/2023	7:05:00 PM	41.5	261.2	9.6	260.8	9.4
8/31/2023	7:10:00 PM	42.1	275.1	10	275.6	9.7
8/31/2023	7:15:00 PM	41.6	270.4	11.5	270.4	11.3
8/31/2023	7:20:00 PM	40.4	261.1	9.7	260.9	9.4
8/31/2023	7:25:00 PM	40.3	250	9.9	249.4	9.6
8/31/2023	7:30:00 PM	41.9	258	8.6	258.2	8.1
8/31/2023	7:35:00 PM	42.1	266.1	9.3	266.5	9
8/31/2023	7:40:00 PM	43.1	260.8	7	261.3	6.6
8/31/2023	7:45:00 PM	42.8	261.4	9.7	262.1	9.4
8/31/2023	7:50:00 PM	41.4	255.3	8.9	256.4	8.6
8/31/2023	7:55:00 PM	40.9	240.7	8.1	240.7	7.8
8/31/2023	8:00:00 PM	40.4	250.4	10.3	250.1	10
8/31/2023	8:05:00 PM	38.7	243.8	9.3	243.8	9.1
8/31/2023	8:10:00 PM	36.4	242.3	8.9	242.8	8.6
8/31/2023	8:15:00 PM	34.5	243.1	7.9	242.5	7.7
8/31/2023	8:20:00 PM	33.4	244.9	8.2	243.5	7.9
8/31/2023	8:25:00 PM	32.9	244.6	8.5	244.1	8.1
8/31/2023	8:30:00 PM	34.3	224.7	11	224.3	10.4
8/31/2023	8:35:00 PM	39.9	164.7	20.2	162.8	19.5
8/31/2023	8:40:00 PM	82.8	159.6	28.5	160.2	27.6
8/31/2023	8:45:00 PM	296.7	162.4	34.9	162.6	34.2
8/31/2023	8:50:00 PM	1245.3	165.5	32.9	165.5	32.2
8/31/2023	8:55:00 PM	5291.9	165.1	28.3	165.3	27.6
8/31/2023	9:00:00 PM	2517.6	167.4	31.1	167.5	30.3
8/31/2023	9:05:00 PM	1218.9	161.5	28	161.7	27.2
8/31/2023	9:10:00 PM	1098.3	164.7	24.7	165.2	24.1
8/31/2023	9:15:00 PM	8636	165.9	28.2	166	27.6
8/31/2023	9:20:00 PM	6838.9	166.2	23.9	165.9	23.1
8/31/2023	9:25:00 PM	5132.9	178.1	26.7	178.1	26.2
8/31/2023	9:30:00 PM	3886.5	172.2	17.7	170.2	17
8/31/2023	9:35:00 PM	2914.1	174.3	16.7	174.8	15.8
8/31/2023	9:40:00 PM	2143.9	215.5	18.1	214.4	17.4
8/31/2023	9:45:00 PM	1582.3	210.9	17.8	209.5	16.8
8/31/2023	9:50:00 PM	1161.3	206	15.5	207	15
8/31/2023	9:55:00 PM	835.1	223	12.3	222.2	11.6
8/31/2023	10:00:00 PM	587.6	222.4	16.1	222.6	15.7

Site: Central Phoenix						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
8/31/2023	10:05:00 PM	417.7	236.4	21.1	235.5	20.5
8/31/2023	10:10:00 PM	292.7	241.6	17.2	242	16.7
8/31/2023	10:15:00 PM	209.3	236.3	15.2	235.6	14.7
8/31/2023	10:20:00 PM	153.2	239	11.7	238.6	11.2
8/31/2023	10:25:00 PM	116.5	236.9	10.1	235.9	9.8
8/31/2023	10:30:00 PM	88.6	214.8	5.4	214	5.2
8/31/2023	10:35:00 PM	69.6	97.9	7.8	87.7	5.4
8/31/2023	10:40:00 PM	55.4	149.4	6.5	143.5	5.4
8/31/2023	10:45:00 PM	50.8	117.6	1.9	72.3	0.8
8/31/2023	10:50:00 PM	43.4	130.1	2.5	201.2	1
8/31/2023	10:55:00 PM	32	86.2	3.5	88.8	3.1
8/31/2023	11:00:00 PM	25.9	142	5.2	141.7	5.1
8/31/2023	11:05:00 PM	24.6	123.1	4	124.2	3.6
8/31/2023	11:10:00 PM	18.8	108.9	1.8	113.7	1.7
8/31/2023	11:15:00 PM	17.2	46.5	0.9	44.9	0.8
8/31/2023	11:20:00 PM	22.7	14.4	1.5	16.1	0.9
8/31/2023	11:25:00 PM	44.7	294.3	3.3	296.4	3.1
8/31/2023	11:30:00 PM	72.2	319.2	5.3	319.5	5.3
8/31/2023	11:35:00 PM	78.1	315.3	8.5	315.1	8.4
8/31/2023	11:40:00 PM	73.4	317.5	8.3	318.2	8.2
8/31/2023	11:45:00 PM	65.5	322.1	8.6	322.3	8.5
8/31/2023	11:50:00 PM	57.3	326.3	10.9	326.4	10.8
8/31/2023	11:55:00 PM	49.8	316	11.9	316.5	11.7
Average		207	265	7.6	242.2	3.3
Max		8636	326.3	34.9	326.4	34.2
Max Hour		725766.3824	9106.928271	31.02413347	9114.572453	29.74794384
Min		17.2	13.5	0.9	13.4	0.8
Count		288	279	279	279	279
Total		59628.7	51770.7	2141.6	51756	2047.8
Date Printed:		9/30/2024 12:04				

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	12:00:00 AM	35.9	<	10.6	<	10.5
8/31/2023	12:05:00 AM	31.3	<	10.8	<	10.7
8/31/2023	12:10:00 AM	31.6	<	9.6	<	9.5
8/31/2023	12:15:00 AM	30.8	<	7.8	<	7.6
8/31/2023	12:20:00 AM	31.9	<	8.1	<	8.1
8/31/2023	12:25:00 AM	30.3	<	7.5	<	7.4
8/31/2023	12:30:00 AM	29.8	<	7.6	<	7.5
8/31/2023	12:35:00 AM	29.7	<	7.6	<	7.5
8/31/2023	12:40:00 AM	31.3	<	7.3	<	7.2
8/31/2023	12:45:00 AM	34.3	<	5.6	<	5.6
8/31/2023	12:50:00 AM	34.7	<	6.7	<	6.6
8/31/2023	12:55:00 AM	37.3	<	6.1	<	6
8/31/2023	1:00:00 AM	38	<	4.3	<	4.2
8/31/2023	1:05:00 AM	34.6	<	3.4	<	3.4
8/31/2023	1:10:00 AM	31.3	<	4	<	3.9
8/31/2023	1:15:00 AM	31.4	<	3.2	<	2.8
8/31/2023	1:20:00 AM	31.2	<	3.4	<	3.4
8/31/2023	1:25:00 AM	26.9	<	2.8	<	2.6
8/31/2023	1:30:00 AM	33.2	<	3.7	<	3.6
8/31/2023	1:35:00 AM	31.4	<	3.5	<	3.4
8/31/2023	1:40:00 AM	33.9	<	4.4	<	4.2
8/31/2023	1:45:00 AM	32.9	<	6.4	<	6.2
8/31/2023	1:50:00 AM	27.6	<	8.3	<	8.1
8/31/2023	1:55:00 AM	30.8	<	11.1	<	11
8/31/2023	2:00:00 AM	34.8	<	12	<	11.9
8/31/2023	2:05:00 AM	40.1	<	11.2	<	11.1
8/31/2023	2:10:00 AM	38.3	<	11.2	<	11.2
8/31/2023	2:15:00 AM	34.3	<	11.5	<	11.3
8/31/2023	2:20:00 AM	34.4	<	11.1	<	11
8/31/2023	2:25:00 AM	32.9	<	10.6	<	10.4
8/31/2023	2:30:00 AM	30.9	<	10.9	<	10.8
8/31/2023	2:35:00 AM	28.1	<	9.5	<	9.4
8/31/2023	2:40:00 AM	27.6	<	10.7	<	10.6
8/31/2023	2:45:00 AM	23.4	<	10.2	<	10.1
8/31/2023	2:50:00 AM	24.6	<	9.1	<	9.1
8/31/2023	2:55:00 AM	27.6	<	9	<	9
8/31/2023	3:00:00 AM	27.3	<	8.6	<	8.5
8/31/2023	3:05:00 AM	26.4	<	9.8	<	9.8
8/31/2023	3:10:00 AM	28.6	<	6.9	<	6.8
8/31/2023	3:15:00 AM	30.4	<	8	<	7.9
8/31/2023	3:20:00 AM	32.5	<	6.2	<	6.1
8/31/2023	3:25:00 AM	33.9	<	5	<	4.9
8/31/2023	3:30:00 AM	32.7	<	4.4	<	4.2
8/31/2023	3:35:00 AM	34	<	3.3	<	3.2
8/31/2023	3:40:00 AM	29.3	<	2.6	<	2.3
8/31/2023	3:45:00 AM	27.5	<	0.7	<	0.5
8/31/2023	3:50:00 AM	28.7	<	1.7	<	1.6
8/31/2023	3:55:00 AM	27.2	<	1.4	<	1.3
8/31/2023	4:00:00 AM	27	<	1.5	<	1.3
8/31/2023	4:05:00 AM	28.1	<	0.8	<	0.6
8/31/2023	4:10:00 AM	36.7	<	2	<	2
8/31/2023	4:15:00 AM	38.1	<	2.6	<	2.5
8/31/2023	4:20:00 AM	32.5	<	1.8	<	1.8

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	4:25:00 AM	29.9	<	1.6	<	1.6
8/31/2023	4:30:00 AM	29.5	<	2	<	2
8/31/2023	4:35:00 AM	30	<	2.3	<	2.3
8/31/2023	4:40:00 AM	27.7	<	2.1	<	2
8/31/2023	4:45:00 AM	31.1	<	3.9	<	3.8
8/31/2023	4:50:00 AM	49.3	<	2.7	<	2.6
8/31/2023	4:55:00 AM	61.3	<	1.7	<	1.6
8/31/2023	5:00:00 AM	64.8	<	2.9	<	2.9
8/31/2023	5:05:00 AM	56.8	<	2	<	1.9
8/31/2023	5:10:00 AM	50	<	3.3	<	3.3
8/31/2023	5:15:00 AM	54	<	4.4	<	4.4
8/31/2023	5:20:00 AM	55.4	<	3.9	<	3.9
8/31/2023	5:25:00 AM	59.4	<	3.3	<	3.2
8/31/2023	5:30:00 AM	55.9	<	2.3	<	2.2
8/31/2023	5:35:00 AM	48.8	<	2.7	<	2.7
8/31/2023	5:40:00 AM	44.8	<	3	<	2.7
8/31/2023	5:45:00 AM	43.7	<	3.3	<	3.2
8/31/2023	5:50:00 AM	48.1	<	2.6	<	2.6
8/31/2023	5:55:00 AM	46.3	<	2.2	<	2.1
8/31/2023	6:00:00 AM	42.3	<	2	<	2
8/31/2023	6:05:00 AM	39.7	<	2.1	<	2.1
8/31/2023	6:10:00 AM	39.4	<	1.8	<	1.8
8/31/2023	6:15:00 AM	40.3	<	0.5	<	0.5
8/31/2023	6:20:00 AM	39.2	<	1.5	<	1.4
8/31/2023	6:25:00 AM	44.9	<	1.8	<	1.8
8/31/2023	6:30:00 AM	51.1	<	2.3	<	2.3
8/31/2023	6:35:00 AM	58.5	<	3	<	3
8/31/2023	6:40:00 AM	57.5	<	2.5	<	2.5
8/31/2023	6:45:00 AM	67.5	<	1.4	<	1.4
8/31/2023	6:50:00 AM	74.7	<	2.1	<	2
8/31/2023	6:55:00 AM	80.6	<	3.5	<	3.5
8/31/2023	7:00:00 AM	111.2	<	3.2	<	3.2
8/31/2023	7:05:00 AM	128.3	<	3.3	<	3.2
8/31/2023	7:10:00 AM	123.9	<	2.8	<	2.7
8/31/2023	7:15:00 AM	133.3	<	2	<	1.9
8/31/2023	7:20:00 AM	126.8	<	1.9	<	1.7
8/31/2023	7:25:00 AM	104.3	<	2.5	<	2.4
8/31/2023	7:30:00 AM	83.6	<	2.8	<	2.7
8/31/2023	7:35:00 AM	58	<	3.1	<	3.1
8/31/2023	7:40:00 AM	48.9	<	2.5	<	2.4
8/31/2023	7:45:00 AM	47.8	<	3.1	<	3.1
8/31/2023	7:50:00 AM	43.4	<	4.4	<	4.4
8/31/2023	7:55:00 AM	44	<	3.6	<	3.6
8/31/2023	8:00:00 AM	45	<	3	<	2.9
8/31/2023	8:05:00 AM	48.4	<	3.6	<	3.5
8/31/2023	8:10:00 AM	55.3	<	3.4	<	3.2
8/31/2023	8:15:00 AM	60.9	<	4.1	<	4.1
8/31/2023	8:20:00 AM	50.8	<	4.7	<	4.5
8/31/2023	8:25:00 AM	47.6	<	3.5	<	3.1
8/31/2023	8:30:00 AM	50.7	<	4.8	<	4.7
8/31/2023	8:35:00 AM	53.7	<	3.8	<	3.6
8/31/2023	8:40:00 AM	48.4	<	4.2	<	4.1
8/31/2023	8:45:00 AM	43.7	<	3.5	<	3.4

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	8:50:00 AM	37.7	<	2.3	<	2.2
8/31/2023	8:55:00 AM	33.9	<	4.7	<	4.4
8/31/2023	9:00:00 AM	37.1	<	3.9	<	3.7
8/31/2023	9:05:00 AM	37.2	<	3.4	<	3
8/31/2023	9:10:00 AM	36.6	<	4.8	<	4.5
8/31/2023	9:15:00 AM	40.3	<	2	<	1.2
8/31/2023	9:20:00 AM	34.8	<	3.9	<	3.7
8/31/2023	9:25:00 AM	33.5	<	1.8	<	1.5
8/31/2023	9:30:00 AM	35	<	2.1	<	1.6
8/31/2023	9:35:00 AM	32.3	<	2.9	<	2.8
8/31/2023	9:40:00 AM	29.1	<	2.1	<	1.6
8/31/2023	9:45:00 AM	25.2	<	4.1	<	4
8/31/2023	9:50:00 AM	30.9	<	3.7	<	3.5
8/31/2023	9:55:00 AM	30.2	<	3.5	<	3.1
8/31/2023	10:00:00 AM	30.9	<	3.5	<	2.9
8/31/2023	10:05:00 AM	25.3	<	2.6	<	2.2
8/31/2023	10:10:00 AM	22.9	<	3.1	<	2.4
8/31/2023	10:15:00 AM	28.2	<	6.9	<	6.6
8/31/2023	10:20:00 AM	29.5	<	2.6	<	2.2
8/31/2023	10:25:00 AM	26.3	<	3.6	<	3.4
8/31/2023	10:30:00 AM	24.8	<	5.8	<	5.1
8/31/2023	10:35:00 AM	23.8	<	4.3	<	3.4
8/31/2023	10:40:00 AM	31.5	<	4.8	<	4.6
8/31/2023	10:45:00 AM	33	<	5.4	<	5.1
8/31/2023	10:50:00 AM	27.5	<	5.9	<	5.7
8/31/2023	10:55:00 AM	32.4	<	5.9	<	5.8
8/31/2023	11:00:00 AM	32.3	<	4.4	<	4.2
8/31/2023	11:05:00 AM	37.4	<	1.7	<	1.6
8/31/2023	11:10:00 AM	45.3	<	4.7	<	4.5
8/31/2023	11:15:00 AM	43	<	5.9	<	5.8
8/31/2023	11:20:00 AM	47.4	<	3.4	<	3.2
8/31/2023	11:25:00 AM	54	<	6.1	<	4.4
8/31/2023	11:30:00 AM	48.3	<	8	<	7.8
8/31/2023	11:35:00 AM	43.8	<	8.4	<	8.2
8/31/2023	11:40:00 AM	41.3	<	5	<	4.6
8/31/2023	11:45:00 AM	39.8	<	3.2	<	2.3
8/31/2023	11:50:00 AM	38.8	<	1.6	<	1.4
8/31/2023	11:55:00 AM	38.6	<	3.1	<	0.9
8/31/2023	12:00:00 PM	50.4	<	5.5	<	5.4
8/31/2023	12:05:00 PM	49	<	4.1	<	3.8
8/31/2023	12:10:00 PM	41.3	<	4.4	<	4.1
8/31/2023	12:15:00 PM	38.2	<	4.1	<	0.6
8/31/2023	12:20:00 PM	45.8	<	4.7	<	4.4
8/31/2023	12:25:00 PM	43.7	<	6.2	<	6
8/31/2023	12:30:00 PM	39.6	<	3.5	<	3
8/31/2023	12:35:00 PM	36.3	<	5.7	<	5.3
8/31/2023	12:40:00 PM	34.6	<	4.4	<	3.3
8/31/2023	12:45:00 PM	35.3	<	7.5	<	7
8/31/2023	12:50:00 PM	33.7	<	6.3	<	5.8
8/31/2023	12:55:00 PM	31.7	<	7.9	<	7.6
8/31/2023	1:00:00 PM	32.8	<	8.4	<	8.1
8/31/2023	1:05:00 PM	34.3	<	8.1	<	7.2
8/31/2023	1:10:00 PM	35.6	<	6.7	<	6.5

Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	1:15:00 PM	35.6	<	5.7	<	4.7
8/31/2023	1:20:00 PM	33.3	<	6.2	<	5.6
8/31/2023	1:25:00 PM	39.2	<	7.4	<	7.2
8/31/2023	1:30:00 PM	36.4	<	7.3	<	7.1
8/31/2023	1:35:00 PM	32.2	<	6.3	<	5.8
8/31/2023	1:40:00 PM	31	<	5.4	<	4.1
8/31/2023	1:45:00 PM	30.4	<	5.7	<	5.4
8/31/2023	1:50:00 PM	28.2	<	7	<	6.6
8/31/2023	1:55:00 PM	28.1	<	6.7	<	6.4
8/31/2023	2:00:00 PM	32.6	<	5.9	<	5.6
8/31/2023	2:05:00 PM	31.2	<	4.6	<	4.2
8/31/2023	2:10:00 PM	28.4	<	9.7	<	9.5
8/31/2023	2:15:00 PM	24.4	<	8.2	<	8
8/31/2023	2:20:00 PM	21.3	<	9.6	<	9.2
8/31/2023	2:25:00 PM	18.9	<	10.3	<	10
8/31/2023	2:30:00 PM	18.9	<	5.9	<	5.7
8/31/2023	2:35:00 PM	21.8	<	3.7	<	3.5
8/31/2023	2:40:00 PM	20.5	<	8.5	<	7.8
8/31/2023	2:45:00 PM	18.3	<	8	<	7.5
8/31/2023	2:50:00 PM	20.8	<	8.6	<	8.4
8/31/2023	2:55:00 PM	22.2	<	12.1	<	11.7
8/31/2023	3:00:00 PM	21.8	<	9.6	<	9.5
8/31/2023	3:05:00 PM	23	<	7.1	<	6.5
8/31/2023	3:10:00 PM	24.6	<	10.5	<	9.8
8/31/2023	3:15:00 PM	27.4	<	7.5	<	7.2
8/31/2023	3:20:00 PM	21.4	<	7.3	<	6.8
8/31/2023	3:25:00 PM	23.3	<	11.5	<	10.8
8/31/2023	3:30:00 PM	28.3	<	9.5	<	8.8
8/31/2023	3:35:00 PM	25.7	<	9	<	8.6
8/31/2023	3:40:00 PM	21	<	9.7	<	9.5
8/31/2023	3:45:00 PM	22.8	<	8.5	<	8.4
8/31/2023	3:50:00 PM	28.3	<	6	<	5.7
8/31/2023	3:55:00 PM	35.4	<	8.2	<	7.6
8/31/2023	4:00:00 PM	37.4	<	12.3	<	11.8
8/31/2023	4:05:00 PM	39.1	<	16.6	<	16.4
8/31/2023	4:10:00 PM	45.1	<	11.7	<	11.4
8/31/2023	4:15:00 PM	41.6	<	17.1	<	16.9
8/31/2023	4:20:00 PM	46.7	<	13.7	<	13.4
8/31/2023	4:25:00 PM	42	<	12.7	<	12.4
8/31/2023	4:30:00 PM	45.5	<	12.6	<	12.4
8/31/2023	4:35:00 PM	40.9	<	12.9	<	12.4
8/31/2023	4:40:00 PM	38.5	<	10.9	<	10.7
8/31/2023	4:45:00 PM	34.9	<	11.3	<	10.9
8/31/2023	4:50:00 PM	27.1	<	12.2	<	11.8
8/31/2023	4:55:00 PM	24.6	<	12.1	<	11.9
8/31/2023	5:00:00 PM	34.4	<	14.8	<	14.7
8/31/2023	5:05:00 PM	34.5	<	11.7	<	11.6
8/31/2023	5:10:00 PM	32.2	<	12.4	<	12.2
8/31/2023	5:15:00 PM	31.1	<	14.4	<	14.2
8/31/2023	5:20:00 PM	25.6	<	13.3	<	13.1
8/31/2023	5:25:00 PM	27.9	<	14.2	<	14
8/31/2023	5:30:00 PM	23.9	<	12.1	<	11.9
8/31/2023	5:35:00 PM	22	<	12.6	<	12.4

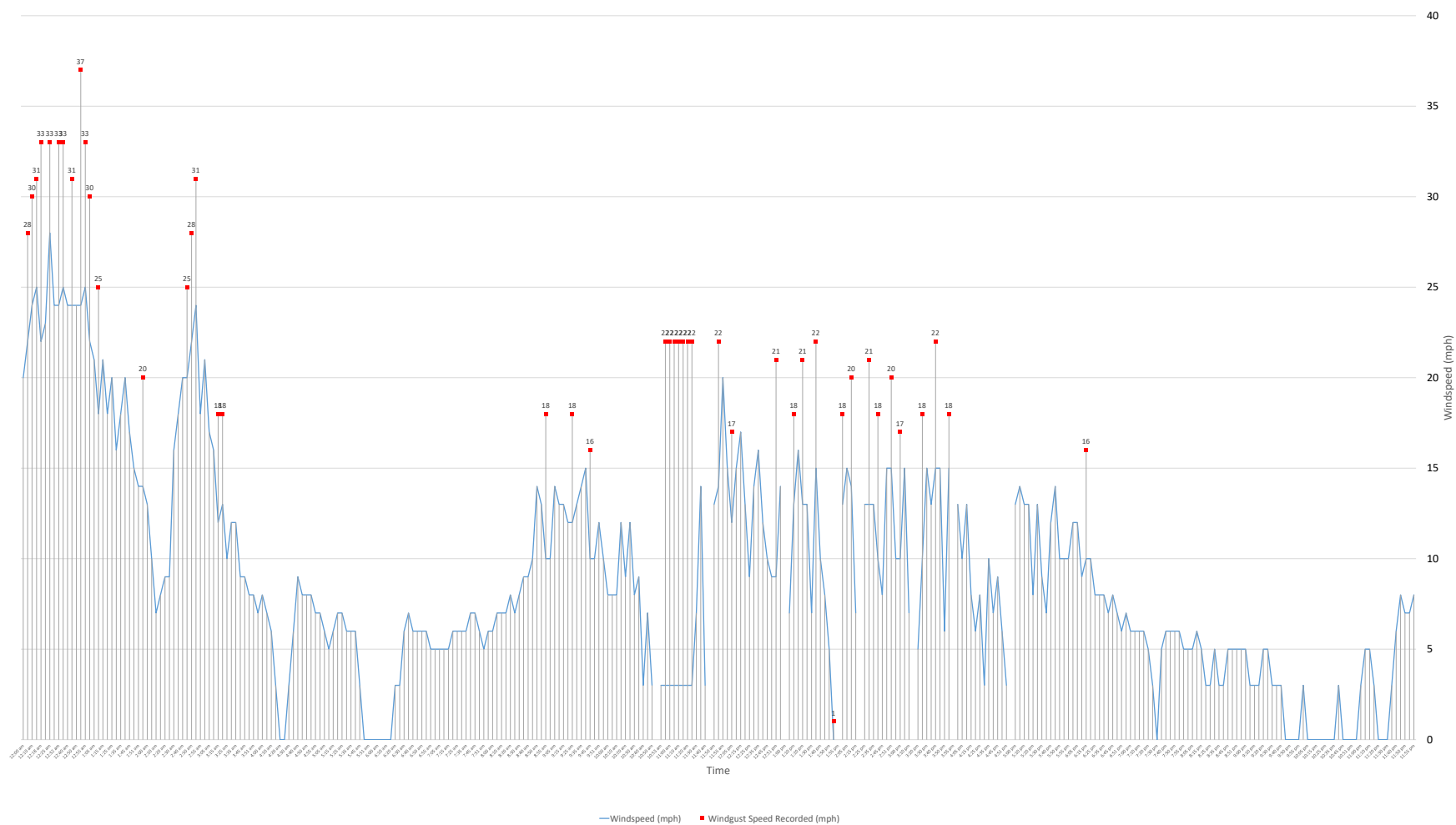
Site: Zuni Hills						
Date	Time	PM ₁₀ (µg/m ₃)	Sustained Wind Direction (Degree)	Sustained Windspeed (MPH)	Wind Direction (Degree)	Windspeed (MPH)
8/31/2023	5:40:00 PM	21.6	<	11.8	<	11.6
8/31/2023	5:45:00 PM	22.6	<	10.7	<	10.5
8/31/2023	5:50:00 PM	22.7	<	9.1	<	9
8/31/2023	5:55:00 PM	21.7	<	10.7	<	10.5
8/31/2023	6:00:00 PM	26.1	<	11.4	<	11.3
8/31/2023	6:05:00 PM	25.2	<	9	<	8.8
8/31/2023	6:10:00 PM	24.1	<	10.9	<	10.7
8/31/2023	6:15:00 PM	21.7	<	10.1	<	10
8/31/2023	6:20:00 PM	21.5	<	11.3	<	11.2
8/31/2023	6:25:00 PM	21.1	<	10.9	<	10.8
8/31/2023	6:30:00 PM	15.1	<	9.6	<	9.5
8/31/2023	6:35:00 PM	21.1	<	8.8	<	8.7
8/31/2023	6:40:00 PM	22.6	<	8.4	<	8.4
8/31/2023	6:45:00 PM	13.6	<	6.6	<	6.5
8/31/2023	6:50:00 PM	21	<	6	<	5.9
8/31/2023	6:55:00 PM	17.8	<	8.2	<	8.1
8/31/2023	7:00:00 PM	18.8	<	8.1	<	8
8/31/2023	7:05:00 PM	23.2	<	6.7	<	6.6
8/31/2023	7:10:00 PM	17.7	<	5.4	<	5.3
8/31/2023	7:15:00 PM	25.3	<	4.9	<	4.9
8/31/2023	7:20:00 PM	20.5	<	5.5	<	5.4
8/31/2023	7:25:00 PM	27.4	<	4.8	<	4.8
8/31/2023	7:30:00 PM	21.1	<	5.5	<	5.5
8/31/2023	7:35:00 PM	36.8	<	4.6	<	4.6
8/31/2023	7:40:00 PM	33.1	<	4.5	<	4.4
8/31/2023	7:45:00 PM	35.7	<	4	<	4
8/31/2023	7:50:00 PM	27.5	<	4.1	<	4
8/31/2023	7:55:00 PM	32.7	<	4.1	<	4.1
8/31/2023	8:00:00 PM	25.6	<	4.5	<	4.5
8/31/2023	8:05:00 PM	34.7	<	6.3	<	6.3
8/31/2023	8:10:00 PM	29.7	<	6	<	5.9
8/31/2023	8:15:00 PM	32.9	<	8.9	<	8.8
8/31/2023	8:20:00 PM	38.6	<	9.4	<	9.3
8/31/2023	8:25:00 PM	39.8	<	11.7	<	11.6
8/31/2023	8:30:00 PM	37.5	<	13.6	<	13.5
8/31/2023	8:35:00 PM	36	<	13.2	<	13
8/31/2023	8:40:00 PM	35.4	<	10.9	<	10.8
8/31/2023	8:45:00 PM	35.6	<	11.5	<	11.4
8/31/2023	8:50:00 PM	31	<	9	<	8.8
8/31/2023	8:55:00 PM	34.2	<	11.3	<	11.1
8/31/2023	9:00:00 PM	35.7	<	11.8	<	11.6
8/31/2023	9:05:00 PM	45.5	<	13.8	<	13.5
8/31/2023	9:10:00 PM	54.7	<	25.9	<	24.6
8/31/2023	9:15:00 PM	601.5	<	27.4	<	26.9
8/31/2023	9:20:00 PM	5419.3	<	24.8	<	24.1
8/31/2023	9:25:00 PM	6016.6	<	26.4	<	25.9
8/31/2023	9:30:00 PM	4794.4	<	30.2	<	29.6
8/31/2023	9:35:00 PM	4175.4	<	29.9	<	29.4
8/31/2023	9:40:00 PM	2709.3	<	29.5	<	29
8/31/2023	9:45:00 PM	1449.6	<	24.4	<	23.8
8/31/2023	9:50:00 PM	753.9	<	26.8	<	26.2
8/31/2023	9:55:00 PM	412.6	<	22.2	<	21.6
8/31/2023	10:00:00 PM	236.9	<	19.1	<	18.7

Site: Zuni Hills						
<u>Date</u>	<u>Time</u>	<u>PM₁₀ (µg/m₃)</u>	<u>Sustained Wind Direction (Degree)</u>	<u>Sustained Windspeed (MPH)</u>	<u>Wind Direction (Degree)</u>	<u>Windspeed (MPH)</u>
8/31/2023	10:05:00 PM	142.8	<	20.9	<	20.6
8/31/2023	10:10:00 PM	90.8	<	16	<	15.6
8/31/2023	10:15:00 PM	68.6	<	13.7	<	13.3
8/31/2023	10:20:00 PM	50.1	<	11.8	<	11.5
8/31/2023	10:25:00 PM	46	<	8.4	<	8
8/31/2023	10:30:00 PM	42.7	<	7.4	<	7
8/31/2023	10:35:00 PM	47.9	<	11.5	<	10.9
8/31/2023	10:40:00 PM	66.2	<	10.1	<	9.4
8/31/2023	10:45:00 PM	64.5	<	12.8	<	12.5
8/31/2023	10:50:00 PM	72.4	<	11	<	10.7
8/31/2023	10:55:00 PM	82.2	<	11.1	<	10.7
8/31/2023	11:00:00 PM	69.7	<	9.4	<	8.9
8/31/2023	11:05:00 PM	63	<	6.8	<	6.5
8/31/2023	11:10:00 PM	53.4	<	6.6	<	6.4
8/31/2023	11:15:00 PM	44.2	<	5	<	4.9
8/31/2023	11:20:00 PM	38.8	<	4.6	<	4.4
8/31/2023	11:25:00 PM	44	<	3.8	<	3.7
8/31/2023	11:30:00 PM	41.7	<	4.9	<	4.8
8/31/2023	11:35:00 PM	50.1	<	5.7	<	5.6
8/31/2023	11:40:00 PM	52.1	<	6.2	<	6.1
8/31/2023	11:45:00 PM	44.8	<	5.5	<	5.4
8/31/2023	11:50:00 PM	39.1	<	7.1	<	7
8/31/2023	11:55:00 PM	37.3	<	7.4	<	7.4
Average		129.7		7.3		7.1
Max		6016.6	0	30.2	0	29.6
Max Hour						
Min		13.6	0	0.5	0	0.5
Count		288	0	288	0	288
Total						



Appendix B: NOAA Phoenix Sky Harbor Airport Station Data

5-Minute Wind Speed at Phoenix Sky Harbor International Airport, 10/12/2021



Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
7/9/2021	11:55 pm	S	13			10	
7/9/2021	11:51 pm	S	17			10	
7/9/2021	11:50 pm	S	17			10	
7/9/2021	11:45 pm	S	14			10	
7/9/2021	11:40 pm	S	17			10	
7/9/2021	11:35 pm	S	18	G	24	10	
7/9/2021	11:30 pm	S	17			9	
7/9/2021	11:25 pm	S	17			7	Blowing dust
7/9/2021	11:20 pm	SSE	20			5	Blowing dust
7/9/2021	11:15 pm	SSE	22	G	28	5	Blowing dust
7/9/2021	11:14 pm	SSE	22	G	31	5	Blowing dust
7/9/2021	11:10 pm	SSE	21	G	28	1.25	Blowing dust
7/9/2021	11:08 pm	SSE	17	G	26	1	Blowing dust
7/9/2021	11:05 pm	SSE	20	G	25	0.75	
7/9/2021	11:00 pm	SE	20	G	26	0.5	
7/9/2021	10:58 pm	SE	20	G	36	0.5	
7/9/2021	10:55 pm	SE	26			0.25	
7/9/2021	10:51 pm	SE	21	G	46	0.25	
7/9/2021	10:50 pm	SE	25			0.25	
7/9/2021	10:45 pm	SE	30	G	45	1	Blowing dust
7/9/2021	10:40 pm	SE	15	G	21	10	
7/9/2021	10:35 pm	S	5			10	
7/9/2021	10:30 pm	SW	5			10	
7/9/2021	10:25 pm	SW	9			10	
7/9/2021	10:20 pm	WSW	10			10	
7/9/2021	10:15 pm	W	12			10	
7/9/2021	10:10 pm	WSW	8			10	
7/9/2021	10:05 pm	W	9			10	
7/9/2021	10:00 pm	WSW	10			10	
7/9/2021	9:55 pm	WSW	9			10	
7/9/2021	9:51 pm	WSW	9			10	
7/9/2021	9:50 pm	WSW	8			10	
7/9/2021	9:45 pm	WSW	7			10	
7/9/2021	9:40 pm	WSW	9			10	
7/9/2021	9:35 pm	WSW	12			10	
7/9/2021	9:30 pm	WSW	8			10	
7/9/2021	9:25 pm	WSW	10			10	
7/9/2021	9:20 pm	WSW	13			10	
7/9/2021	9:15 pm	WSW	10			10	
7/9/2021	9:10 pm	WSW	12			10	
7/9/2021	9:05 pm	WSW	12			10	
7/9/2021	9:00 pm	WSW	9			10	
7/9/2021	8:55 pm	WSW	10			10	
7/9/2021	8:51 pm	WSW	12			10	
7/9/2021	8:50 pm	WSW	12			10	
7/9/2021	8:45 pm	WSW	12			10	
7/9/2021	8:40 pm	WSW	10			10	
7/9/2021	8:35 pm	WSW	10			10	
7/9/2021	8:30 pm	WSW	10			10	
7/9/2021	8:25 pm	WSW	12			10	
7/9/2021	8:20 pm	WSW	9			10	
7/9/2021	8:15 pm	WSW	12			10	
7/9/2021	8:10 pm	SW	12			10	
7/9/2021	8:05 pm	WSW	8			10	
7/9/2021	8:00 pm	WSW	9			10	
7/9/2021	7:55 pm	WSW	12			10	
7/9/2021	7:51 pm	WSW	10			10	
7/9/2021	7:50 pm	WSW	13			10	
7/9/2021	7:45 pm	SW	14			10	
7/9/2021	7:40 pm	WSW	13			10	
7/9/2021	7:35 pm	WSW	10			10	
7/9/2021	7:30 pm	WSW	13			10	
7/9/2021	7:25 pm	WSW	13			10	

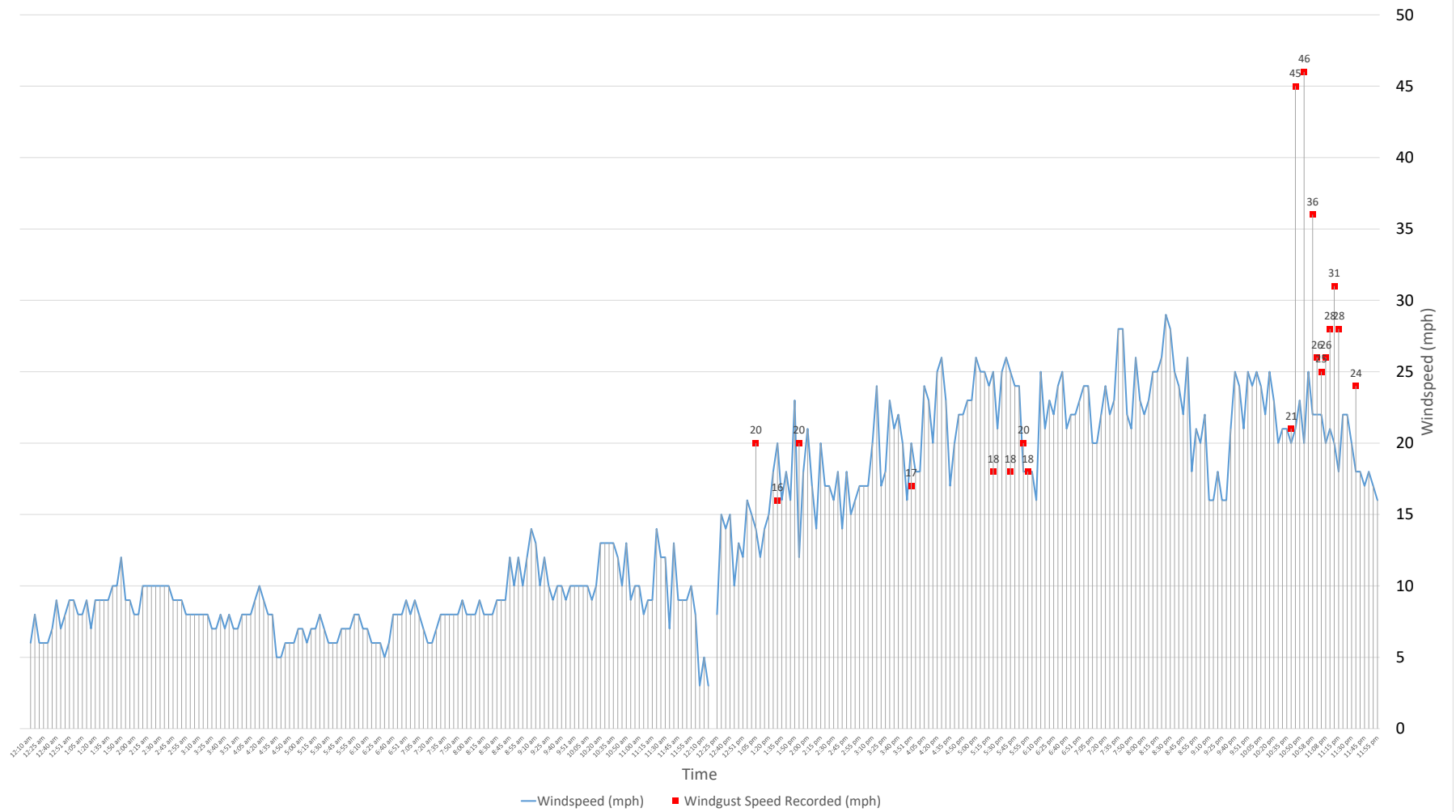
Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
7/9/2021	7:20 pm	WSW	13			10	
7/9/2021	7:15 pm	WSW	9			10	
7/9/2021	7:10 pm	WSW	14			10	
7/9/2021	7:05 pm	W	13			10	
7/9/2021	7:00 pm	W	10			10	
7/9/2021	6:55 pm	WSW	12			10	
7/9/2021	6:51 pm	WSW	13			10	
7/9/2021	6:50 pm	WSW	12			10	
7/9/2021	6:45 pm	W	12			10	
7/9/2021	6:40 pm	WSW	10			10	
7/9/2021	6:35 pm	W	13			10	
7/9/2021	6:30 pm	WSW	9			10	
7/9/2021	6:25 pm	WSW	12			10	
7/9/2021	6:20 pm	W	13			10	
7/9/2021	6:15 pm	WNW	8			10	
7/9/2021	6:10 pm	W	14			10	
7/9/2021	6:05 pm	WSW	13			10	
7/9/2021	6:00 pm	WSW	9			10	
7/9/2021	5:55 pm	W	12	G	18	10	
7/9/2021	5:51 pm	WSW	7	G	20	10	
7/9/2021	5:50 pm	WSW	8			10	
7/9/2021	5:45 pm	WSW	12			10	
7/9/2021	5:40 pm	W	13	G	18	10	
7/9/2021	5:35 pm	W	13			10	
7/9/2021	5:30 pm	WSW	9			10	
7/9/2021	5:25 pm	WNW	14			10	
7/9/2021	5:20 pm	W	13	G	18	10	
7/9/2021	5:15 pm	WNW	8			10	
7/9/2021	5:10 pm	WSW	12			10	
7/9/2021	5:05 pm	WNW	12			10	
7/9/2021	5:00 pm	WNW	12			10	
7/9/2021	4:55 pm	W	14			10	
7/9/2021	4:51 pm	SW	6			10	
7/9/2021	4:50 pm	WSW	7			10	
7/9/2021	4:45 pm	WSW	14			10	
7/9/2021	4:40 pm	NW	9			10	
7/9/2021	4:35 pm	W	14			10	
7/9/2021	4:30 pm	W	10			10	
7/9/2021	4:25 pm	W	8			10	
7/9/2021	4:20 pm	W	10			10	
7/9/2021	4:15 pm	WSW	14			10	
7/9/2021	4:10 pm	WSW	8			10	
7/9/2021	4:05 pm	WNW	8			10	
7/9/2021	4:00 pm	W	15			10	
7/9/2021	3:55 pm	WNW	14			10	
7/9/2021	3:51 pm	W	13	G	17	10	
7/9/2021	3:50 pm	WSW	9			10	
7/9/2021	3:45 pm	W	6			10	
7/9/2021	3:40 pm	WSW	12			10	
7/9/2021	3:35 pm	SW	3			10	
7/9/2021	3:30 pm	WSW	12			10	
7/9/2021	3:25 pm	NW	8			10	
7/9/2021	3:20 pm	WNW	14			10	
7/9/2021	3:15 pm	W	14			10	
7/9/2021	3:10 pm	WSW	7			10	
7/9/2021	3:05 pm	WSW	9			10	
7/9/2021	3:00 pm	NW	8			10	
7/9/2021	2:55 pm	WNW	9			10	
7/9/2021	2:51 pm	W	14			10	
7/9/2021	2:50 pm	W	14			10	
7/9/2021	2:45 pm	WNW	8			10	
7/9/2021	2:40 pm	WNW	16			10	
7/9/2021	2:35 pm	WSW	12			10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
7/9/2021	2:30 pm	NW	12			10	
7/9/2021	2:25 pm	WSW	12			10	
7/9/2021	2:20 pm	WNW	9			10	
7/9/2021	2:15 pm	WNW	13			10	
7/9/2021	2:10 pm	W	18			10	
7/9/2021	2:05 pm	NW	14			10	
7/9/2021	2:00 pm	WNW	18			10	
7/9/2021	1:55 pm	NW	14			10	
7/9/2021	1:51 pm	WNW	8	G	20	10	
7/9/2021	1:50 pm	W	10			10	
7/9/2021	1:45 pm	WNW	12			10	
7/9/2021	1:40 pm	W	13			10	
7/9/2021	1:35 pm	W	10			10	
7/9/2021	1:30 pm	NW	10	G	16	10	
7/9/2021	1:25 pm	WNW	15			10	
7/9/2021	1:20 pm					10	
7/9/2021	1:15 pm	W	15			10	
7/9/2021	1:10 pm	W	10			10	
7/9/2021	1:05 pm	SW	10	G	20	10	
7/9/2021	1:00 pm	NW	7			10	
7/9/2021	12:55 pm	WNW	7			10	
7/9/2021	12:51 pm	W	8			10	
7/9/2021	12:50 pm					10	
7/9/2021	12:45 pm					10	
7/9/2021	12:40 pm	NNW	3			10	
7/9/2021	12:35 pm	W	12			10	
7/9/2021	12:30 pm	W	8			10	
7/9/2021	12:25 pm					10	
7/9/2021	12:20 pm	N	0			10	
7/9/2021	12:15 pm	SW	7			10	
7/9/2021	12:10 pm	W	10			10	
7/9/2021	12:05 pm	WNW	9			10	
7/9/2021	12:00 pm	WNW	7			10	
7/9/2021	11:55 am	WSW	6			10	
7/9/2021	11:51 am	WNW	9			10	
7/9/2021	11:50 am	WNW	9			10	
7/9/2021	11:45 am					10	
7/9/2021	11:40 am	N	0			10	
7/9/2021	11:35 am	SW	8			10	
7/9/2021	11:30 am	N	0			10	
7/9/2021	11:25 am	ESE	5			10	
7/9/2021	11:20 am	SE	3			10	
7/9/2021	11:15 am	SSE	8			10	
7/9/2021	11:10 am	SSE	8			10	
7/9/2021	11:05 am	NNW	6			10	
7/9/2021	11:00 am	W	3			10	
7/9/2021	10:55 am	W	6			10	
7/9/2021	10:51 am	S	7			10	
7/9/2021	10:50 am	S	9			10	
7/9/2021	10:45 am	S	6			10	
7/9/2021	10:40 am	W	6			10	
7/9/2021	10:35 am	SSW	7			10	
7/9/2021	10:30 am	S	8			10	
7/9/2021	10:25 am	ENE	3			10	
7/9/2021	10:20 am	N	0			10	
7/9/2021	10:15 am	N	0			10	
7/9/2021	10:10 am	N	0			10	
7/9/2021	10:05 am	N	3			10	
7/9/2021	10:00 am	N	0			10	
7/9/2021	9:55 am	WNW	3			10	
7/9/2021	9:51 am		6			10	
7/9/2021	9:50 am	NW	6			10	
7/9/2021	9:45 am	NNW	3			10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
7/9/2021	9:40 am	N	0			10	
7/9/2021	9:35 am	WNW	6			10	
7/9/2021	9:30 am	WNW	3			10	
7/9/2021	9:25 am	NNE	3			10	
7/9/2021	9:20 am	N	3			10	
7/9/2021	9:15 am	NNW	5			10	
7/9/2021	9:10 am	NW	5			10	
7/9/2021	9:05 am	WNW	7			10	
7/9/2021	9:00 am	NNW	6			10	
7/9/2021	8:55 am	N	0			10	
7/9/2021	8:51 am	N	0			10	
7/9/2021	8:50 am	N	0			10	
7/9/2021	8:45 am	N	0			10	
7/9/2021	8:40 am	NW	3			10	
7/9/2021	8:35 am	NW	5			10	
7/9/2021	8:30 am	N	0			10	
7/9/2021	8:25 am	WNW	5			10	
7/9/2021	8:20 am	WNW	5			10	
7/9/2021	8:15 am	WNW	5			10	
7/9/2021	8:10 am	NNE	3			10	
7/9/2021	8:05 am	NE	3			10	
7/9/2021	8:00 am	N	0			10	
7/9/2021	7:55 am	N	3			10	
7/9/2021	7:51 am	N	0			10	
7/9/2021	7:50 am	N	0			10	
7/9/2021	7:45 am	N	0			10	
7/9/2021	7:40 am	NNW	3			10	
7/9/2021	7:35 am	NNW	5			10	
7/9/2021	7:30 am	NNW	7			10	
7/9/2021	7:25 am	N	7			10	
7/9/2021	7:20 am	N	3			10	
7/9/2021	7:15 am	NW	7			10	
7/9/2021	7:10 am	N	7			10	
7/9/2021	7:05 am	NW	7			10	
7/9/2021	7:00 am	NNW	7			10	
7/9/2021	6:55 am	NNW	6			10	
7/9/2021	6:51 am	NNW	7			10	
7/9/2021	6:50 am	NW	6			10	
7/9/2021	6:45 am	NNW	6			10	
7/9/2021	6:40 am	NNW	5			10	
7/9/2021	6:35 am	NW	7			10	
7/9/2021	6:30 am	NW	7			10	
7/9/2021	6:25 am	WNW	3			10	
7/9/2021	6:20 am	W	3			10	
7/9/2021	6:15 am	N	0			10	
7/9/2021	6:10 am	WNW	5			10	
7/9/2021	6:05 am	NW	5			10	
7/9/2021	6:00 am	NW	5			10	
7/9/2021	5:55 am	NW	3			10	
7/9/2021	5:51 am	N	0			10	
7/9/2021	5:50 am	N	0			10	
7/9/2021	5:45 am	N	0			10	
7/9/2021	5:40 am	N	0			10	
7/9/2021	5:35 am	N	0			10	
7/9/2021	5:30 am	WNW	3			10	
7/9/2021	5:25 am	W	7			10	
7/9/2021	5:20 am	WNW	8			10	
7/9/2021	5:15 am	W	8			10	
7/9/2021	5:10 am	W	8			10	
7/9/2021	5:05 am	WNW	8			10	
7/9/2021	5:00 am	WNW	7			10	
7/9/2021	4:55 am	WNW	6			10	
7/9/2021	4:51 am	WNW	7			10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
7/9/2021	4:50 am	WNW	6			10	
7/9/2021	4:45 am	NW	6			10	
7/9/2021	4:40 am	NNW	6			10	
7/9/2021	4:35 am	NW	7			10	
7/9/2021	4:30 am	NW	7			10	
7/9/2021	4:25 am	NW	8			10	
7/9/2021	4:20 am	NW	8			10	
7/9/2021	4:15 am	NW	7			10	
7/9/2021	4:10 am	NW	7			10	
7/9/2021	4:05 am	NW	8			10	
7/9/2021	4:00 am	NW	8			10	
7/9/2021	3:55 am	NNW	8			10	
7/9/2021	3:51 am	NW	7			10	
7/9/2021	3:50 am	NNW	7			10	
7/9/2021	3:45 am	NW	7			10	
7/9/2021	3:40 am	NW	8			10	
7/9/2021	3:35 am	WNW	8			10	
7/9/2021	3:30 am	WNW	8			10	
7/9/2021	3:25 am	W	6			10	
7/9/2021	3:20 am	W	8			10	
7/9/2021	3:15 am	WNW	8			10	
7/9/2021	3:10 am	W	8			10	
7/9/2021	3:05 am	WNW	8			10	
7/9/2021	3:00 am	WNW	7			10	
7/9/2021	2:55 am	W	7			10	
7/9/2021	2:51 am	WNW	6			10	
7/9/2021	2:50 am	WNW	6			10	
7/9/2021	2:45 am	WNW	8			10	
7/9/2021	2:40 am	W	7			10	
7/9/2021	2:35 am	W	7			10	
7/9/2021	2:30 am	W	9			10	
7/9/2021	2:25 am	W	12			10	
7/9/2021	2:20 am	WNW	9			10	
7/9/2021	2:15 am	W	9			10	
7/9/2021	2:10 am	W	7			10	
7/9/2021	2:05 am	W	10			10	
7/9/2021	2:00 am	W	9			10	
7/9/2021	1:55 am	W	10			10	
7/9/2021	1:51 am	W	13			10	
7/9/2021	1:50 am	W	13			10	
7/9/2021	1:45 am	W	12			10	
7/9/2021	1:40 am	W	13			10	
7/9/2021	1:35 am	W	12			10	
7/9/2021	1:30 am	W	14			10	
7/9/2021	1:25 am	W	14			10	
7/9/2021	1:20 am	W	14			10	
7/9/2021	1:15 am	W	15			10	
7/9/2021	1:10 am	W	16			10	
7/9/2021	1:05 am	W	12			10	
7/9/2021	1:00 am	W	14			10	
7/9/2021	12:55 am	W	12			10	
7/9/2021	12:51 am	W	13			10	
7/9/2021	12:50 am	W	13			10	
7/9/2021	12:45 am	W	12			10	
7/9/2021	12:40 am	WSW	14			10	
7/9/2021	12:35 am	WSW	13			10	
7/9/2021	12:30 am	WSW	13			10	
7/9/2021	12:25 am	WSW	12			10	
7/9/2021	12:20 am	WSW	10			10	
7/9/2021	12:15 am	W	14			10	
7/9/2021	12:10 am	WSW	12			10	
7/9/2021	12:05 am	WSW	10			10	
7/9/2021	12:00 am	W	14			10	

5-Minute Wind Speed at Phoenix Sky Harbor International Airport, 07-09-2021



Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
7/10/2021	11:55 pm	ENE	10			10	
7/11/2021	11:51 pm	E	13			10	
7/12/2021	11:50 pm	E	13			10	
7/13/2021	11:45 pm	E	10			10	
7/14/2021	11:40 pm	E	13			10	
7/15/2021	11:35 pm	E	13			10	
7/16/2021	11:30 pm	ENE	8			10	
7/17/2021	11:25 pm					10	
7/18/2021	11:20 pm	SE	5			10	
7/19/2021	11:15 pm	SSE	6			10	
7/20/2021	11:10 pm	S	8			10	
7/21/2021	11:05 pm	S	10			10	
7/22/2021	11:00 pm	S	18			10	
7/23/2021	10:55 pm	SSE	21	G	30	10	
7/24/2021	10:51 pm	SSE	23	G	38	9	
7/25/2021	10:50 pm	SSE	21	G	26	9	
7/26/2021	10:45 pm	SSE	24	G	33	8	
7/27/2021	10:40 pm	SSE	23	G	31	7	
7/28/2021	10:36 pm	SSE	21	G	32	7	
7/29/2021	10:35 pm	SSE	20	G	28	7	
7/30/2021	10:30 pm	SSE	24	G	32	8	
7/31/2021	10:25 pm	S	24	G	30	9	
8/1/2021	10:20 pm	S	26			10	
8/2/2021	10:15 pm	SSW	9			10	
8/3/2021	10:10 pm	SSW	10			10	
8/4/2021	10:05 pm	W	10			10	
8/5/2021	10:00 pm	W	13			10	
8/6/2021	9:55 pm	WSW	13			10	
8/7/2021	9:51 pm	WSW	13			10	
8/8/2021	9:50 pm	WSW	13			10	
8/9/2021	9:45 pm	SW	14			10	
8/10/2021	9:40 pm	SW	14			10	
8/11/2021	9:35 pm	SSW	12			10	
8/12/2021	9:30 pm	S	12			10	
8/13/2021	9:25 pm	S	15			10	
8/14/2021	9:20 pm	S	14			10	
8/15/2021	9:19 pm	S	16			10	
8/16/2021	9:15 pm	S	15			10	
8/17/2021	9:10 pm	SSE	13	G	20	10	
8/18/2021	9:05 pm	S	17			10	
8/19/2021	9:00 pm	S	15			10	
8/20/2021	8:58 pm	SSE	16	G	29	9	Thunder
8/21/2021	8:55 pm	SE	22			7	Lt rain
8/22/2021	8:51 pm	SSE	18	G	38	5	Lt thunder shwr
8/23/2021	8:50 pm	SE	17			4	Lt rain
8/24/2021	8:45 pm	SE	23			4	Rain
8/25/2021	8:40 pm	ESE	30			6	Haze
8/26/2021	8:35 pm	E	23	G	30	10	
8/27/2021	8:30 pm	E	18			10	
8/28/2021	8:25 pm	ENE	29			10	
8/29/2021	8:20 pm	NE	33			8	
8/30/2021	8:15 pm	NE	35			7	
8/31/2021	8:10 pm	NNE	35	G	41	8	Thunder
9/1/2021	8:05 pm	NNE	25			7	
9/2/2021	8:03 pm	NNE	26	G	37	6	Haze
9/3/2021	8:00 pm	NNE	26	G	35	5	Haze
9/4/2021	7:55 pm	NNE	23	G	30	6	Haze, Squalls
9/5/2021	7:51 pm	N	30	G	38	8	Squalls
9/6/2021	7:50 pm	N	21	G	38	10	
9/7/2021	7:45 pm	NNW	3			10	
9/8/2021	7:40 pm	NW	3			10	
9/9/2021	7:35 pm	N	0			10	
9/10/2021	7:30 pm	N	0			10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
9/11/2021	7:25 pm	SW	3			10	
9/12/2021	7:20 pm	SW	6			10	
9/13/2021	7:15 pm	WSW	5			10	
9/14/2021	7:10 pm	N	0			10	
9/15/2021	7:05 pm	WSW	6			10	
9/16/2021	7:00 pm	WSW	9			10	
9/17/2021	6:55 pm	SW	12			10	
9/18/2021	6:51 pm	W	10			10	
9/19/2021	6:50 pm	WSW	10			10	
9/20/2021	6:45 pm	W	10			10	
9/21/2021	6:40 pm	W	14			10	
9/22/2021	6:35 pm	W	14			10	
9/23/2021	6:30 pm	W	10			10	
9/24/2021	6:25 pm	WSW	12			10	
9/25/2021	6:20 pm	WSW	13			10	
9/26/2021	6:15 pm	WSW	13			10	
9/27/2021	6:10 pm	W	17			10	
9/28/2021	6:05 pm	W	16			10	
9/29/2021	6:00 pm	W	17			10	
9/30/2021	5:55 pm	WSW	15	G	21	10	
10/1/2021	5:51 pm	WSW	14	G	22	10	
10/2/2021	5:50 pm	W	15			10	
10/3/2021	5:45 pm	W	15			10	
10/4/2021	5:40 pm	W	16			10	
10/5/2021	5:35 pm	W	17			10	
10/6/2021	5:30 pm	W	14			10	
10/7/2021	5:25 pm	W	16			10	
10/8/2021	5:20 pm	W	16			10	
10/9/2021	5:15 pm	WNW	18			10	
10/10/2021	5:10 pm	W	17			10	
10/11/2021	5:05 pm	WNW	20			10	
10/12/2021	5:00 pm	W	15			10	
10/13/2021	4:55 pm	W	18	G	24	10	
10/14/2021	4:51 pm	WSW	15	G	24	10	
10/15/2021	4:50 pm	W	16			10	
10/16/2021	4:45 pm	W	17			10	
10/17/2021	4:40 pm	W	16			10	
10/18/2021	4:35 pm	W	15			10	
10/19/2021	4:30 pm	WNW	18			10	
10/20/2021	4:25 pm	WSW	13			10	
10/21/2021	4:20 pm	W	16	G	24	10	
10/22/2021	4:15 pm	W	15	G	21	10	
10/23/2021	4:10 pm	WSW	13			10	
10/24/2021	4:05 pm	W	17			10	
10/25/2021	4:00 pm	W	14			10	
10/26/2021	3:55 pm	W	12	G	17	10	
10/27/2021	3:51 pm	WNW	15	G	24	10	
10/28/2021	3:50 pm	WNW	17			10	
10/29/2021	3:45 pm	WNW	12			10	
10/30/2021	3:40 pm	W	10			10	
10/31/2021	3:35 pm	WSW	15	G	21	10	
11/1/2021	3:30 pm	SW	13			10	
11/2/2021	3:25 pm	WSW	12			10	
11/3/2021	3:20 pm	W	15	G	21	10	
11/4/2021	3:15 pm	WNW	14	G	20	10	
11/5/2021	3:10 pm	WNW	12			10	
11/6/2021	3:05 pm	W	15			10	
11/7/2021	3:00 pm	W	12			10	
11/8/2021	2:55 pm	W	15			10	
11/9/2021	2:51 pm	WNW	12	G	23	10	
11/10/2021	2:50 pm	WNW	14			10	
11/11/2021	2:45 pm	W	17			10	
11/12/2021	2:40 pm	WSW	14	G	20	10	

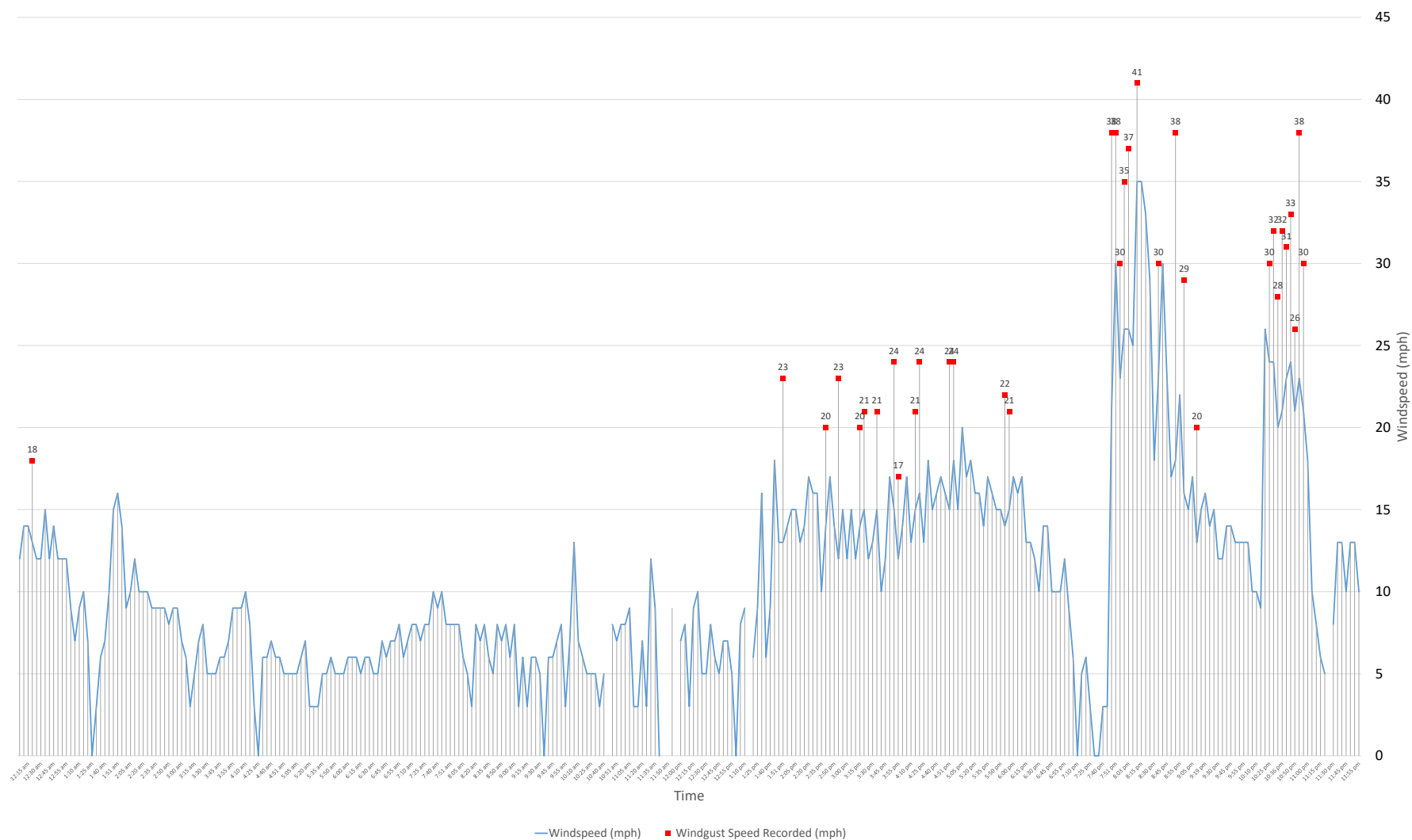
Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
11/13/2021	2:35 pm	WSW	10			10	
11/14/2021	2:30 pm	W	16			10	
11/15/2021	2:25 pm	WSW	16			10	
11/16/2021	2:20 pm	W	17			10	
11/17/2021	2:15 pm	WNW	14			10	
11/18/2021	2:10 pm	WSW	13			10	
11/19/2021	2:05 pm	WNW	15			10	
11/20/2021	2:00 pm	W	15			10	
11/21/2021	1:55 pm	WNW	14			10	
11/22/2021	1:51 pm	NW	13	G	23	10	
11/23/2021	1:50 pm	WNW	13			10	
11/24/2021	1:45 pm	WNW	18			10	
11/25/2021	1:40 pm	W	9			10	
11/26/2021	1:35 pm	W	6			10	
11/27/2021	1:30 pm	W	16			10	
11/28/2021	1:25 pm	SSW	9			10	
11/29/2021	1:20 pm	WNW	6			10	
11/30/2021	1:15 pm					10	
12/1/2021	1:10 pm	W	9			10	
12/2/2021	1:05 pm	SSW	8			10	
12/3/2021	1:00 pm	N	0			10	
12/4/2021	12:55 pm	WSW	5			10	
12/5/2021	12:51 pm		7			10	
12/6/2021	12:50 pm	WNW	7			10	
12/7/2021	12:45 pm	WSW	5			10	
12/8/2021	12:40 pm	W	6			10	
12/9/2021	12:35 pm	WSW	8			10	
12/10/2021	12:30 pm	SSW	5			10	
12/11/2021	12:25 pm	W	5			10	
12/12/2021	12:20 pm	WSW	10			10	
12/13/2021	12:15 pm	SW	9			10	
12/14/2021	12:10 pm	WNW	3			10	
12/15/2021	12:05 pm	SSW	8			10	
12/16/2021	12:00 pm	SW	7			10	
12/17/2021	11:55 am					10	
12/18/2021	11:51 am	WSW	9			10	
12/19/2021	11:50 am					10	
12/20/2021	11:45 am					10	
12/21/2021	11:40 am	N	0			10	
12/22/2021	11:35 am	W	9			10	
12/23/2021	11:30 am	WSW	12			10	
12/24/2021	11:25 am	NW	3			10	
12/25/2021	11:20 am	WSW	7			10	
12/26/2021	11:15 am	NW	3			10	
12/27/2021	11:10 am	W	3			10	
12/28/2021	11:05 am	W	9			10	
12/29/2021	11:00 am	W	8			10	
12/30/2021	10:55 am	W	8			6	Haze
12/31/2021	10:51 am	WSW	7			10	Haze
1/1/2022	10:50 am	SW	8			6	Haze
1/2/2022	10:45 am					10	
1/3/2022	10:40 am	S	5			10	
1/4/2022	10:35 am	W	3			10	
1/5/2022	10:30 am	N	5			10	
1/6/2022	10:25 am	NW	5			10	
1/7/2022	10:20 am	WNW	5			10	
1/8/2022	10:15 am	W	6			10	
1/9/2022	10:10 am	W	7			10	
1/10/2022	10:05 am	SSW	13			10	
1/11/2022	10:00 am	SE	7			10	
1/12/2022	9:55 am	S	3			10	
1/13/2022	9:51 am	SSE	8			10	
1/14/2022	9:50 am	SE	7			10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
1/15/2022	9:45 am	S	6			10	
1/16/2022	9:40 am	SSW	6			10	
1/17/2022	9:35 am	N	0			10	
1/18/2022	9:30 am	SW	5			10	
1/19/2022	9:25 am	W	6			10	
1/20/2022	9:20 am	WNW	6			10	
1/21/2022	9:15 am	SSW	3			10	
1/22/2022	9:10 am	S	6			10	
1/23/2022	9:05 am	WSW	3			10	
1/24/2022	9:00 am	S	8			10	
1/25/2022	8:55 am	SSE	6			10	
1/26/2022	8:51 am	SSE	8			10	
1/27/2022	8:50 am	SE	7			10	
1/28/2022	8:45 am	SSE	8			10	
1/29/2022	8:40 am	S	5			10	
1/30/2022	8:35 am	SSE	6			10	
1/31/2022	8:30 am	S	8			10	
2/1/2022	8:25 am	S	7			10	
2/2/2022	8:20 am	S	8			10	
2/3/2022	8:15 am	S	3			10	
2/4/2022	8:10 am	SSW	5			10	
2/5/2022	8:05 am	S	6			10	
2/6/2022	8:00 am	S	8			10	
2/7/2022	7:55 am	S	8			10	
2/8/2022	7:51 am	SSE	8			10	
2/9/2022	7:50 am	SSE	8			10	
2/10/2022	7:45 am	S	10			10	
2/11/2022	7:40 am	SSE	9			10	
2/12/2022	7:35 am	SSE	10			10	
2/13/2022	7:30 am	SE	8			10	
2/14/2022	7:25 am	SE	8			10	
2/15/2022	7:20 am	SSE	7			10	
2/16/2022	7:15 am	SSE	8			10	
2/17/2022	7:10 am	SE	8			10	
2/18/2022	7:05 am	SSE	7			10	
2/19/2022	7:00 am	SSE	6			10	
2/20/2022	6:55 am	SE	8			10	
2/21/2022	6:51 am	SSE	7			10	
2/22/2022	6:50 am	SSE	7			10	
2/23/2022	6:45 am	SSE	6			10	
2/24/2022	6:40 am	SSE	7			10	
2/25/2022	6:35 am	SE	5			10	
2/26/2022	6:30 am	SSE	5			10	
2/27/2022	6:25 am	SSE	6			10	
2/28/2022	6:20 am	SE	6			10	
3/1/2022	6:15 am	SE	5			10	
3/2/2022	6:10 am	SE	6			10	
3/3/2022	6:05 am	SE	6			10	
3/4/2022	6:00 am	SSE	6			10	
3/5/2022	5:55 am	SSE	5			10	
3/6/2022	5:51 am	SSE	5			10	
3/7/2022	5:50 am	SE	5			10	
3/8/2022	5:45 am	SSE	6			10	
3/9/2022	5:40 am	SSE	5			10	
3/10/2022	5:35 am	SSE	5			10	
3/11/2022	5:30 am	SSE	3			10	
3/12/2022	5:25 am	SSE	3			10	
3/13/2022	5:20 am	SSE	3			10	
3/14/2022	5:15 am	SSE	7			10	
3/15/2022	5:10 am	SSE	6			10	
3/16/2022	5:05 am	SSE	5			10	
3/17/2022	5:00 am	S	5			10	
3/18/2022	4:55 am	S	5			10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
3/19/2022	4:51 am	S	5			10	
3/20/2022	4:50 am	S	6			10	
3/21/2022	4:45 am	S	6			10	
3/22/2022	4:40 am	SSE	7			10	
3/23/2022	4:35 am	SSE	6			10	
3/24/2022	4:30 am	SSE	6			10	
3/25/2022	4:25 am	N	0			10	
3/26/2022	4:20 am	SW	3			10	
3/27/2022	4:15 am	S	8			10	
3/28/2022	4:10 am	S	10			10	
3/29/2022	4:05 am	SSE	9			10	
3/30/2022	4:00 am	S	9			10	
3/31/2022	3:55 am	S	9			10	
4/1/2022	3:51 am	S	7			10	
4/2/2022	3:50 am	S	6			10	
4/3/2022	3:45 am	S	6			10	
4/4/2022	3:40 am	SSW	5			10	
4/5/2022	3:35 am	WNW	5			10	
4/6/2022	3:30 am	NNW	5			10	
4/7/2022	3:25 am	NNW	8			10	
4/8/2022	3:20 am	N	7			10	
4/9/2022	3:15 am	NNW	5			10	
4/10/2022	3:10 am	N	3			10	
4/11/2022	3:05 am	NE	6			10	
4/12/2022	3:00 am	ENE	7			10	
4/13/2022	2:55 am	E	9			10	
4/14/2022	2:51 am	E	9			10	
4/15/2022	2:50 am	E	8			10	
4/16/2022	2:45 am	E	9			10	
4/17/2022	2:40 am	ENE	9			10	
4/18/2022	2:35 am	ENE	9			10	
4/19/2022	2:30 am	ENE	9			10	
4/20/2022	2:25 am	ENE	10			10	
4/21/2022	2:20 am	ENE	10			10	
4/22/2022	2:15 am	E	10			10	
4/23/2022	2:10 am	ENE	12			10	
4/24/2022	2:05 am	NE	10			10	
4/25/2022	2:00 am	NE	9			10	
4/26/2022	1:55 am	E	14			10	
4/27/2022	1:51 am	E	16			10	
4/28/2022	1:50 am	E	15			10	
4/29/2022	1:45 am	NE	10			10	
4/30/2022	1:40 am	N	7			10	
5/1/2022	1:35 am	NNE	6			10	
5/2/2022	1:30 am	N	3			10	
5/3/2022	1:25 am	N	0			10	
5/4/2022	1:20 am	NW	7			10	
5/5/2022	1:15 am	WNW	10			10	
5/6/2022	1:10 am	W	9			10	
5/7/2022	1:05 am	WSW	7			10	
5/8/2022	1:00 am	WSW	9			10	
5/9/2022	12:55 am	W	12			10	
5/10/2022	12:51 am	WSW	12			10	
5/11/2022	12:50 am	SW	12			10	
5/12/2022	12:45 am	W	14			10	
5/13/2022	12:40 am	W	12			10	
5/14/2022	12:35 am	SW	15			10	
5/15/2022	12:30 am	SW	12			10	
5/16/2022	12:25 am	SW	12			10	
5/17/2022	12:20 am	SW	13	G	18	10	
5/18/2022	12:15 am	SSW	14			10	
5/19/2022	12:10 am	SSW	14			10	
5/20/2022	12:05 am	SSW	12			10	SCT060 BKN120

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
5/21/2022	12:00 am	S	15			10	SCT060 BKN120

5-Minute Wind Speed at Phoenix Sky Harbor International Airport, 07-10-2021



Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
10/11/2021	11:51 pm	W	21	G	28	2.5	Dust
10/11/2021	11:50 pm	W	20	G	28	2.5	
10/11/2021	11:45 pm	W	18	G	24	2.5	
10/11/2021	11:40 pm	W	16			2.5	Blowing dust
10/11/2021	11:35 pm	W	17			2.5	Blowing dust
10/11/2021	11:30 pm	WNW	20			2.5	Blowing dust
10/11/2021	11:28 pm	WNW	21			2.5	Blowing dust
10/11/2021	11:25 pm	WNW	21			2.5	Blowing dust
10/11/2021	11:20 pm	W	20	G	26	2.5	Blowing dust
10/11/2021	11:15 pm	W	22	G	28	3	Blowing dust
10/11/2021	11:10 pm	W	16	G	25	3.5	Blowing dust
10/11/2021	11:05 pm	WSW	14	G	20	4	Haze, Blowing dust
10/11/2021	11:00 pm	WSW	12	G	20	5	Lt rain, Blowing dust
10/11/2021	10:56 pm	W	13			3	Lt rain, Blowing dust
10/11/2021	10:55 pm	WSW	14			2.5	Rain, Blowing dust
10/11/2021	10:51 pm	W	21	G	38	2.5	Hvy rain, Blowing dust
10/11/2021	10:50 pm	W	22			2.5	Hvy rain, Blowing dust
10/11/2021	10:45 pm	W	29	G	37	3	Lt rain, Blowing dust
10/11/2021	10:44 pm	W	28	G	46	3	Lt rain, Blowing dust
10/11/2021	10:40 pm	W	26	G	35	7	
10/11/2021	10:35 pm	SSW	20	G	25	10	
10/11/2021	10:30 pm	SSW	22	G	30	9	
10/11/2021	10:25 pm	S	22	G	35	9	
10/11/2021	10:20 pm	S	17			9	
10/11/2021	10:15 pm	S	24	G	32	9	
10/11/2021	10:10 pm	S	23	G	30	10	
10/11/2021	10:05 pm	S	25	G	32	10	
10/11/2021	10:00 pm	S	23	G	32	10	
10/11/2021	9:55 pm	S	17	G	26	10	
10/11/2021	9:51 pm	S	20	G	33	10	
10/11/2021	9:50 pm	S	21	G	26	10	
10/11/2021	9:45 pm	S	20	G	32	10	
10/11/2021	9:40 pm	S	23			10	
10/11/2021	9:35 pm	S	20			10	
10/11/2021	9:30 pm	S	23			10	
10/11/2021	9:25 pm	S	16			10	
10/11/2021	9:20 pm	S	18			10	
10/11/2021	9:15 pm	S	16			10	
10/11/2021	9:10 pm	S	16			10	
10/11/2021	9:05 pm	S	18			10	
10/11/2021	9:00 pm	S	14			10	
10/11/2021	8:55 pm	S	17			10	
10/11/2021	8:51 pm	SSW	22	G	39	10	
10/11/2021	8:50 pm	S	25	G	38	10	
10/11/2021	8:45 pm	S	21	G	32	10	
10/11/2021	8:40 pm	SSW	20			10	
10/11/2021	8:35 pm	SSW	16	G	22	10	
10/11/2021	8:30 pm	SSW	20	G	25	10	
10/11/2021	8:25 pm	SSW	22	G	29	10	
10/11/2021	8:20 pm	SSW	25	G	36	10	
10/11/2021	8:15 pm	SSW	26	G	33	10	
10/11/2021	8:10 pm	SSW	28	G	36	10	
10/11/2021	8:05 pm	SSW	21	G	36	10	
10/11/2021	8:00 pm	SSW	17	G	24	10	
10/11/2021	7:55 pm	SSW	20	G	26	10	
10/11/2021	7:51 pm	SSW	18	G	32	10	
10/11/2021	7:50 pm	SSW	20			10	
10/11/2021	7:45 pm	SSW	23	G	30	10	
10/11/2021	7:40 pm	SSW	24	G	31	10	
10/11/2021	7:35 pm	SSW	22	G	29	10	
10/11/2021	7:30 pm	SSW	23	G	29	10	
10/11/2021	7:25 pm	SW	18	G	31	10	
10/11/2021	7:20 pm	SSW	18	G	31	10	

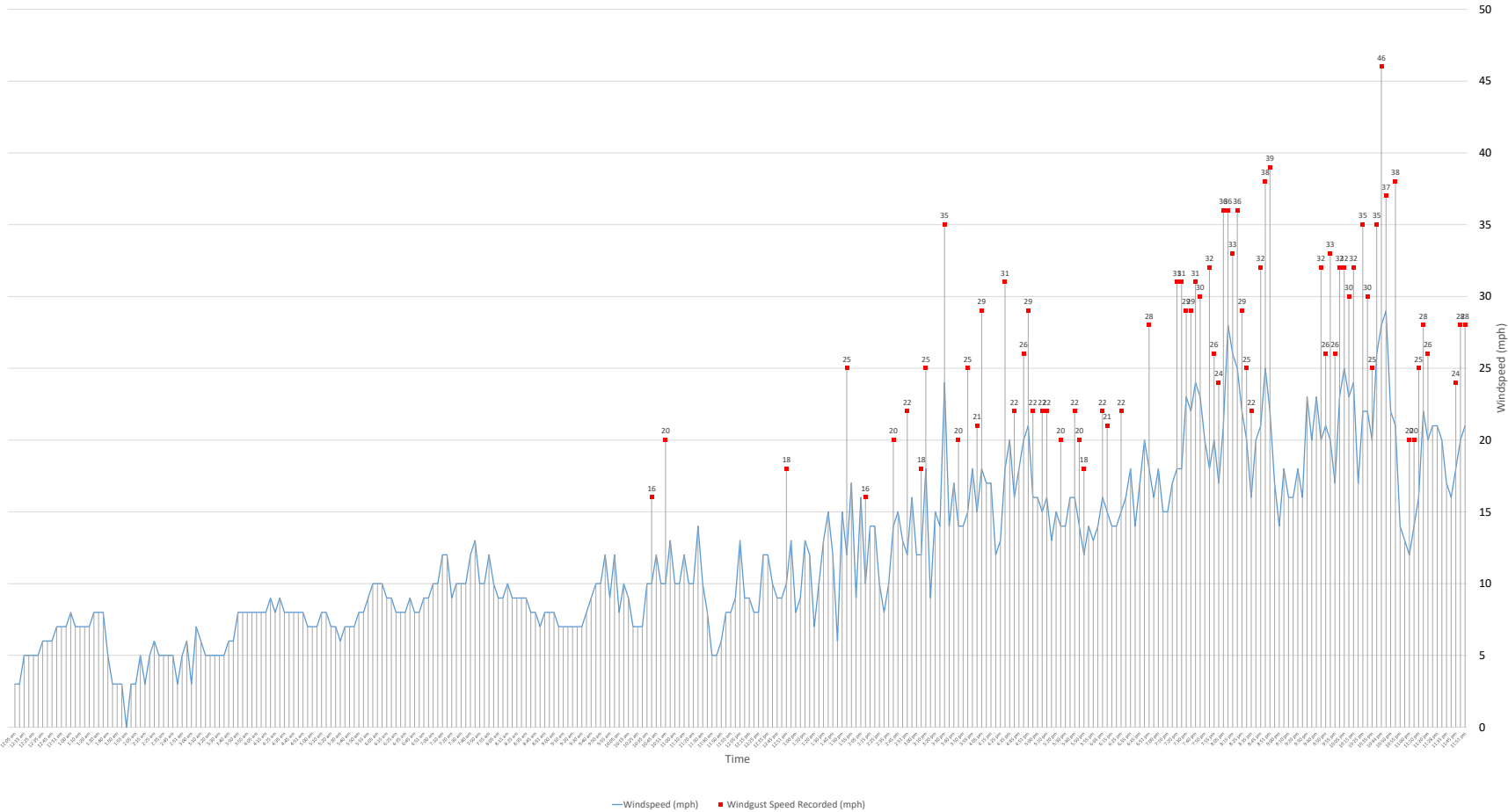
Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
10/11/2021	7:15 pm	SSW	17			10	
10/11/2021	7:10 pm	SSW	15			10	
10/11/2021	7:05 pm	SSW	15			10	
10/11/2021	7:00 pm	SSW	18			10	
10/11/2021	6:55 pm	SSW	16			10	
10/11/2021	6:51 pm	SSW	18	G	28	10	
10/11/2021	6:50 pm	SSW	20			10	
10/11/2021	6:45 pm	SW	17			10	
10/11/2021	6:40 pm	SSW	14			10	
10/11/2021	6:35 pm	SW	18			10	
10/11/2021	6:30 pm	SSW	16			10	
10/11/2021	6:25 pm	SSW	15	G	22	10	
10/11/2021	6:20 pm	SSW	14			10	
10/11/2021	6:15 pm	SSW	14			10	
10/11/2021	6:10 pm	SSW	15	G	21	10	
10/11/2021	6:05 pm	SSW	16	G	22	10	
10/11/2021	6:00 pm	SSW	14			10	
10/11/2021	5:55 pm	SSW	13			10	
10/11/2021	5:51 pm	SSW	14			10	
10/11/2021	5:50 pm	SSW	12	G	18	10	
10/11/2021	5:45 pm	SSW	14	G	20	10	
10/11/2021	5:40 pm	SSW	16	G	22	10	
10/11/2021	5:35 pm	SSW	16			10	
10/11/2021	5:30 pm	SSW	14			10	
10/11/2021	5:25 pm	SSW	14	G	20	10	
10/11/2021	5:20 pm	SSW	15			10	
10/11/2021	5:15 pm	S	13			10	
10/11/2021	5:10 pm	SSW	16	G	22	10	
10/11/2021	5:05 pm	SSW	15	G	22	10	
10/11/2021	5:00 pm	SSW	16			10	
10/11/2021	4:55 pm	SSW	16	G	22	10	
10/11/2021	4:51 pm	SSW	21	G	29	10	
10/11/2021	4:50 pm	SSW	20	G	26	10	
10/11/2021	4:45 pm	SSW	18			10	
10/11/2021	4:40 pm	SSW	16	G	22	10	
10/11/2021	4:35 pm	S	20			10	
10/11/2021	4:30 pm	SSW	18	G	31	10	
10/11/2021	4:25 pm	SW	13			10	
10/11/2021	4:20 pm	SSW	12			10	
10/11/2021	4:15 pm	SW	17			10	
10/11/2021	4:10 pm	SW	17			10	
10/11/2021	4:05 pm	SW	18	G	29	10	
10/11/2021	4:00 pm	SW	15	G	21	10	
10/11/2021	3:55 pm	SSW	18			10	
10/11/2021	3:51 pm	SW	15	G	25	10	
10/11/2021	3:50 pm	SSW	14			10	
10/11/2021	3:45 pm	SSW	14	G	20	10	
10/11/2021	3:40 pm	SSW	17			10	
10/11/2021	3:35 pm	SSW	14			10	
10/11/2021	3:30 pm	SSW	24	G	35	10	
10/11/2021	3:25 pm	SW	14			10	
10/11/2021	3:20 pm	SW	15			10	
10/11/2021	3:15 pm	SSW	9			10	
10/11/2021	3:10 pm	SW	18	G	25	10	
10/11/2021	3:05 pm	SW	12	G	18	10	
10/11/2021	3:00 pm	S	12			10	
10/11/2021	2:55 pm	SSW	16			10	
10/11/2021	2:51 pm	WSW	12	G	22	10	
10/11/2021	2:50 pm	WSW	13			10	
10/11/2021	2:45 pm	SW	15			10	
10/11/2021	2:40 pm	SW	14	G	20	10	
10/11/2021	2:35 pm	SW	10			10	
10/11/2021	2:30 pm	SSW	8			10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
10/11/2021	2:25 pm	SSW	10			10	
10/11/2021	2:20 pm	SSW	14			10	
10/11/2021	2:15 pm	SW	14			10	
10/11/2021	2:10 pm	SSW	10	G	16	10	
10/11/2021	2:05 pm	SSW	16			10	
10/11/2021	2:00 pm	S	9			10	
10/11/2021	1:55 pm	S	17			10	
10/11/2021	1:51 pm	S	12	G	25	10	
10/11/2021	1:50 pm	S	15			10	
10/11/2021	1:45 pm	WSW	6			10	
10/11/2021	1:40 pm	SW	12			10	
10/11/2021	1:35 pm	SSW	15			10	
10/11/2021	1:30 pm	S	13			10	
10/11/2021	1:25 pm	SSW	10			10	
10/11/2021	1:20 pm	WSW	7			10	
10/11/2021	1:15 pm	SSW	12			10	
10/11/2021	1:10 pm	SW	13			10	
10/11/2021	1:05 pm	SW	9			10	
10/11/2021	1:00 pm	S	8			10	
10/11/2021	12:55 pm	SSW	13			10	
10/11/2021	12:51 pm	S	10	G	18	10	
10/11/2021	12:50 pm	SSE	9			10	
10/11/2021	12:45 pm	SSW	9			10	
10/11/2021	12:40 pm	SSE	10			10	
10/11/2021	12:35 pm	S	12			10	
10/11/2021	12:30 pm	SSW	12			10	
10/11/2021	12:25 pm	S	8			10	
10/11/2021	12:20 pm	SE	8			10	
10/11/2021	12:15 pm	SSE	9			10	
10/11/2021	12:10 pm	S	9			10	
10/11/2021	12:05 pm	S	13			10	
10/11/2021	12:00 pm	SE	9			10	
10/11/2021	11:55 am	SSE	8			10	
10/11/2021	11:51 am	S	8			10	
10/11/2021	11:50 am	S	6			10	
10/11/2021	11:45 am	SSE	5			10	
10/11/2021	11:40 am	SE	5			10	
10/11/2021	11:35 am	SSE	8			10	
10/11/2021	11:30 am	SSE	10			10	
10/11/2021	11:25 am	S	14			10	
10/11/2021	11:20 am	SSE	10			10	
10/11/2021	11:15 am	SE	10			10	
10/11/2021	11:10 am	SSE	12			10	
10/11/2021	11:05 am	SSE	10			10	
10/11/2021	11:00 am	SE	10			10	
10/11/2021	10:55 am	SSE	13			10	
10/11/2021	10:51 am	SSE	10	G	20	10	
10/11/2021	10:50 am	SSE	10			10	
10/11/2021	10:45 am	SSE	12			10	
10/11/2021	10:40 am	SE	10	G	16	10	
10/11/2021	10:35 am	SSE	10			10	
10/11/2021	10:30 am	ESE	7			10	
10/11/2021	10:25 am	SE	7			10	
10/11/2021	10:20 am	SE	7			10	
10/11/2021	10:15 am	ESE	9			10	
10/11/2021	10:10 am	SSE	10			10	
10/11/2021	10:05 am	SE	8			10	
10/11/2021	10:00 am	SE	12			10	
10/11/2021	9:55 am	SSE	9			10	
10/11/2021	9:51 am	SSE	12			10	
10/11/2021	9:50 am	SSE	10			10	
10/11/2021	9:45 am	SE	10			10	
10/11/2021	9:40 am	SE	9			10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
10/11/2021	9:35 am	SE	8			10	
10/11/2021	9:30 am	SSE	7			10	
10/11/2021	9:25 am	SE	7			10	
10/11/2021	9:20 am	ESE	7			10	
10/11/2021	9:15 am	E	7			10	
10/11/2021	9:10 am	E	7			10	
10/11/2021	9:05 am	ESE	7			10	
10/11/2021	9:00 am	ESE	8			10	
10/11/2021	8:55 am	ESE	8			10	
10/11/2021	8:51 am	ESE	8			10	
10/11/2021	8:50 am	ESE	7			10	
10/11/2021	8:45 am	ESE	8			10	
10/11/2021	8:40 am	ESE	8			10	
10/11/2021	8:35 am	ESE	9			10	
10/11/2021	8:30 am	ESE	9			10	
10/11/2021	8:25 am	ESE	9			10	
10/11/2021	8:20 am	ESE	9			10	
10/11/2021	8:15 am	ESE	10			10	
10/11/2021	8:10 am	ESE	9			10	
10/11/2021	8:05 am	E	9			10	
10/11/2021	8:00 am	ESE	10			10	
10/11/2021	7:55 am	E	12			10	
10/11/2021	7:51 am	ESE	10			10	
10/11/2021	7:50 am	ESE	10			10	
10/11/2021	7:45 am	ESE	13			10	
10/11/2021	7:40 am	ESE	12			10	
10/11/2021	7:35 am	E	10			10	
10/11/2021	7:30 am	E	10			10	
10/11/2021	7:25 am	E	10			10	
10/11/2021	7:20 am	E	9			10	
10/11/2021	7:15 am	ESE	12			10	
10/11/2021	7:10 am	ESE	12			10	
10/11/2021	7:05 am	ESE	10			10	
10/11/2021	7:00 am	E	10			10	
10/11/2021	6:55 am	E	9			10	
10/11/2021	6:51 am	E	9			10	
10/11/2021	6:50 am	E	8			10	
10/11/2021	6:45 am	E	8			10	
10/11/2021	6:40 am	E	9			10	
10/11/2021	6:35 am	E	8			9	
10/11/2021	6:30 am	E	8			10	
10/11/2021	6:25 am	ESE	8			10	
10/11/2021	6:20 am	ESE	9			10	
10/11/2021	6:15 am	E	9			10	
10/11/2021	6:10 am	E	10			10	
10/11/2021	6:05 am	E	10			10	
10/11/2021	6:00 am	E	10			10	
10/11/2021	5:55 am	ESE	9			10	
10/11/2021	5:51 am	ESE	8			10	
10/11/2021	5:50 am	ESE	8			10	
10/11/2021	5:45 am	ESE	7			10	
10/11/2021	5:40 am	ESE	7			10	
10/11/2021	5:35 am	E	7			10	
10/11/2021	5:30 am	E	6			10	
10/11/2021	5:25 am	ESE	7			10	
10/11/2021	5:20 am	E	7			10	
10/11/2021	5:15 am	E	8			10	
10/11/2021	5:10 am	E	8			10	
10/11/2021	5:05 am	E	7			10	
10/11/2021	5:00 am	E	7			10	
10/11/2021	4:55 am	ESE	7			10	
10/11/2021	4:51 am	ESE	8			10	
10/11/2021	4:50 am	ESE	8			10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
10/11/2021	4:45 am	E	8			10	
10/11/2021	4:40 am	E	8			10	
10/11/2021	4:35 am	E	8			10	
10/11/2021	4:30 am	E	9			10	
10/11/2021	4:25 am	E	8			10	
10/11/2021	4:20 am	ESE	9			10	
10/11/2021	4:15 am	ESE	8			10	
10/11/2021	4:10 am	ESE	8			10	
10/11/2021	4:05 am	ESE	8			10	
10/11/2021	4:00 am	ESE	8			10	
10/11/2021	3:55 am	ESE	8			10	
10/11/2021	3:51 am	ESE	8			10	
10/11/2021	3:50 am	ESE	8			10	
10/11/2021	3:45 am	ESE	6			10	
10/11/2021	3:40 am	ESE	6			10	
10/11/2021	3:35 am	ESE	5			10	
10/11/2021	3:30 am	ESE	5			10	
10/11/2021	3:25 am	E	5			10	
10/11/2021	3:20 am	E	5			10	
10/11/2021	3:15 am	ESE	5			10	
10/11/2021	3:10 am	ESE	6			10	
10/11/2021	3:05 am	E	7			10	
10/11/2021	3:00 am	E	3			10	
10/11/2021	2:55 am	E	6			10	
10/11/2021	2:51 am	E	5			10	
10/11/2021	2:50 am	ESE	3			10	
10/11/2021	2:45 am	ESE	5			6	Haze
10/11/2021	2:40 am	SE	5			5	Haze
10/11/2021	2:35 am	SE	5			6	Haze
10/11/2021	2:30 am	ESE	5			8	
10/11/2021	2:25 am	ESE	6			10	
10/11/2021	2:20 am	ESE	5			10	
10/11/2021	2:15 am	ESE	3			10	
10/11/2021	2:10 am	SE	5			10	
10/11/2021	2:05 am	ESE	3			10	
10/11/2021	2:00 am	SSE	3			10	
10/11/2021	1:55 am	N	0			10	
10/11/2021	1:51 am	SSE	3			10	
10/11/2021	1:50 am	SSE	3			10	
10/11/2021	1:45 am	ESE	3			10	
10/11/2021	1:40 am	E	5			10	
10/11/2021	1:35 am	E	8			10	
10/11/2021	1:30 am	E	8			10	
10/11/2021	1:25 am	E	8			10	
10/11/2021	1:20 am	E	7			10	
10/11/2021	1:15 am	E	7			10	
10/11/2021	1:10 am	E	7			10	
10/11/2021	1:05 am	E	7			10	
10/11/2021	1:00 am	E	8			10	
10/11/2021	12:55 am	E	7			10	
10/11/2021	12:51 am	E	7			10	
10/11/2021	12:50 am	E	7			10	
10/11/2021	12:45 am	E	6			10	
10/11/2021	12:40 am	E	6			10	
10/11/2021	12:35 am	E	6			10	
10/11/2021	12:30 am	E	5			10	
10/11/2021	12:25 am	E	5			10	
10/11/2021	12:20 am	E	5			10	
10/11/2021	12:15 am	E	5			10	
10/11/2021	12:10 am	E	3			10	
10/11/2021	12:05 am	E	3			10	

5-Minute Wind Speed at Phoenix Sky Harbor International Airport, 10/11/2021



Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
10/12/2021	11:55 pm	E	8			10	
10/12/2021	11:51 pm	E	7			10	
10/12/2021	11:50 pm	E	7			10	
10/12/2021	11:45 pm	E	8			10	
10/12/2021	11:40 pm	E	6			10	
10/12/2021	11:35 pm	E	3			10	
10/12/2021	11:30 pm	N	0			10	
10/12/2021	11:25 pm	N	0			10	
10/12/2021	11:20 pm	N	0			10	
10/12/2021	11:15 pm	SSW	3			10	
10/12/2021	11:10 pm	SW	5			10	
10/12/2021	11:05 pm	SW	5			10	
10/12/2021	11:00 pm	SW	3			10	
10/12/2021	10:55 pm	N	0			10	
10/12/2021	10:51 pm	N	0			10	
10/12/2021	10:50 pm	N	0			10	
10/12/2021	10:45 pm	N	0			10	
10/12/2021	10:40 pm	W	3			10	
10/12/2021	10:35 pm	N	0			10	
10/12/2021	10:30 pm	N	0			10	
10/12/2021	10:25 pm	N	0			10	
10/12/2021	10:20 pm	N	0			10	
10/12/2021	10:15 pm	N	0			10	
10/12/2021	10:10 pm	N	0			10	
10/12/2021	10:05 pm	N	0			10	
10/12/2021	10:00 pm	SSW	3			10	
10/12/2021	9:55 pm	N	0			10	
10/12/2021	9:51 pm	N	0			10	
10/12/2021	9:50 pm	N	0			10	
10/12/2021	9:45 pm	N	0			10	
10/12/2021	9:40 pm	SW	3			10	
10/12/2021	9:35 pm	SW	3			10	
10/12/2021	9:30 pm	SW	3			10	
10/12/2021	9:25 pm	SW	5			10	
10/12/2021	9:20 pm	SW	5			10	
10/12/2021	9:15 pm	SW	3			10	
10/12/2021	9:10 pm	SW	3			10	
10/12/2021	9:05 pm	SW	3			10	
10/12/2021	9:00 pm	SW	5			10	
10/12/2021	8:55 pm	WSW	5			10	
10/12/2021	8:51 pm	SW	5			10	
10/12/2021	8:50 pm	SW	5			10	
10/12/2021	8:45 pm	SW	5			10	
10/12/2021	8:40 pm	SW	3			10	
10/12/2021	8:35 pm	SSW	3			10	
10/12/2021	8:30 pm	SW	5			10	
10/12/2021	8:25 pm	SW	3			10	
10/12/2021	8:20 pm	SW	3			10	
10/12/2021	8:15 pm	SSW	5			10	
10/12/2021	8:10 pm	SSW	6			10	
10/12/2021	8:05 pm	SSW	5			10	
10/12/2021	8:00 pm	SSW	5			10	
10/12/2021	7:55 pm	SSW	5			10	
10/12/2021	7:51 pm	SW	6			10	
10/12/2021	7:50 pm	SSW	6			10	
10/12/2021	7:45 pm	SSW	6			10	
10/12/2021	7:40 pm	SSW	6			10	
10/12/2021	7:35 pm	SW	5			10	
10/12/2021	7:30 pm	N	0			10	
10/12/2021	7:25 pm	WSW	3			10	
10/12/2021	7:20 pm	W	5			10	
10/12/2021	7:15 pm	W	6			10	
10/12/2021	7:10 pm	W	6			10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
10/12/2021	7:05 pm	WNW	6			10	
10/12/2021	7:00 pm	W	6			10	
10/12/2021	6:55 pm	WNW	7			10	
10/12/2021	6:51 pm	W	6			10	
10/12/2021	6:50 pm	W	7			10	
10/12/2021	6:45 pm	W	8			10	
10/12/2021	6:40 pm	W	7			10	
10/12/2021	6:35 pm	WNW	8			10	
10/12/2021	6:30 pm	W	8			10	
10/12/2021	6:25 pm	W	8			10	
10/12/2021	6:20 pm	WNW	10			10	
10/12/2021	6:15 pm	NW	10	G	16	10	
10/12/2021	6:10 pm	NW	9			10	
10/12/2021	6:05 pm	WNW	12			10	
10/12/2021	6:00 pm	WNW	12			10	
10/12/2021	5:55 pm	WNW	10			10	
10/12/2021	5:51 pm	WNW	10			10	
10/12/2021	5:50 pm	WNW	10			10	
10/12/2021	5:45 pm	WNW	14			10	
10/12/2021	5:40 pm	W	12			10	
10/12/2021	5:35 pm	WNW	7			10	
10/12/2021	5:30 pm	W	9			10	
10/12/2021	5:25 pm	W	13			10	
10/12/2021	5:20 pm	WNW	8			10	
10/12/2021	5:15 pm	W	13			10	
10/12/2021	5:10 pm	WNW	13			10	
10/12/2021	5:05 pm	WNW	14			10	
10/12/2021	5:00 pm	WNW	13			10	
10/12/2021	4:55 pm					10	
10/12/2021	4:51 pm		3			10	
10/12/2021	4:50 pm	SW	6			10	
10/12/2021	4:45 pm	WNW	9			10	
10/12/2021	4:40 pm	W	7			10	
10/12/2021	4:35 pm	WNW	10			10	
10/12/2021	4:30 pm	W	3			10	
10/12/2021	4:25 pm	W	8			10	
10/12/2021	4:20 pm	WSW	6			10	
10/12/2021	4:15 pm	WNW	8			10	
10/12/2021	4:10 pm	WNW	13			10	
10/12/2021	4:05 pm	WNW	10			10	
10/12/2021	4:00 pm	WNW	13			10	
10/12/2021	3:55 pm					10	
10/12/2021	3:51 pm	WNW	15	G	18	10	
10/12/2021	3:50 pm	NW	6			10	
10/12/2021	3:45 pm	WNW	15			10	
10/12/2021	3:40 pm	WNW	15	G	22	10	
10/12/2021	3:35 pm	WNW	13			10	
10/12/2021	3:30 pm	WNW	15			10	
10/12/2021	3:25 pm	W	10	G	18	10	
10/12/2021	3:20 pm	WNW	5			10	
10/12/2021	3:15 pm					10	
10/12/2021	3:10 pm	WSW	7			10	
10/12/2021	3:05 pm	W	15			10	
10/12/2021	3:00 pm	NW	10	G	17	10	
10/12/2021	2:55 pm	W	10			10	
10/12/2021	2:51 pm	W	15	G	20	10	
10/12/2021	2:50 pm	WSW	15			10	
10/12/2021	2:45 pm	NW	8			10	
10/12/2021	2:40 pm	W	10	G	18	10	
10/12/2021	2:35 pm	W	13			10	
10/12/2021	2:30 pm	WNW	13	G	21	10	
10/12/2021	2:25 pm	WNW	13			10	
10/12/2021	2:20 pm					10	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
10/12/2021	2:15 pm	WSW	7			10	
10/12/2021	2:10 pm	W	14	G	20	10	
10/12/2021	2:05 pm	W	15			10	
10/12/2021	2:00 pm	W	13	G	18	10	
10/12/2021	1:55 pm					10	
10/12/2021	1:51 pm	W	9G	2	1	10	
10/12/2021	1:50 pm	WSW	5			10	
10/12/2021	1:45 pm	W	8			10	
10/12/2021	1:40 pm	W	10			10	
10/12/2021	1:35 pm	W	15	G	22	10	
10/12/2021	1:30 pm	WSW	7			10	
10/12/2021	1:25 pm	WNW	13			10	
10/12/2021	1:20 pm	W	13	G	21	10	
10/12/2021	1:15 pm	W	16			10	
10/12/2021	1:10 pm	W	13	G	18	10	
10/12/2021	1:05 pm	WNW	7			10	
10/12/2021	1:00 pm					10	
10/12/2021	12:55 pm	SW	14			10	
10/12/2021	12:51 pm	WSW	9	G	21	10	
10/12/2021	12:50 pm	SW	9			10	
10/12/2021	12:45 pm	SW	10			10	
10/12/2021	12:40 pm	W	12			10	
10/12/2021	12:35 pm	WSW	16			10	
10/12/2021	12:30 pm	SSW	14			10	
10/12/2021	12:25 pm	SW	9			10	
10/12/2021	12:20 pm	SW	13			10	
10/12/2021	12:15 pm	W	17			10	
10/12/2021	12:10 pm	W	15			9	
10/12/2021	12:05 pm	W	12	G	17	9	
10/12/2021	12:00 pm	W	15			9	
10/12/2021	11:55 am	W	20			9	
10/12/2021	11:51 am	SW	14	G	22	10	
10/12/2021	11:50 am	WSW	13			9	
10/12/2021	11:45 am					9	
10/12/2021	11:40 am	WSW	3			9	
10/12/2021	11:35 am	WSW	14			9	
10/12/2021	11:30 am	W	7			9	
10/12/2021	11:25 am	NNE	3	G	22	9	
10/12/2021	11:20 am	NNE	3	G	22	9	
10/12/2021	11:15 am	NNE	3	G	22	9	
10/12/2021	11:10 am	NNE	3	G	22	9	
10/12/2021	11:05 am	NNE	3	G	22	9	
10/12/2021	11:00 am	NNE	3	G	22	9	
10/12/2021	10:55 am	NNE	3	G	22	9	
10/12/2021	10:53 am	NNE	3			9	
10/12/2021	10:51 am					9	
10/12/2021	10:50 am	W	3			9	
10/12/2021	10:45 am	W	7			8	
10/12/2021	10:40 am	S	3			8	
10/12/2021	10:35 am	SSW	9			8	
10/12/2021	10:30 am	SW	8			8	
10/12/2021	10:25 am	W	12			8	
10/12/2021	10:20 am	WSW	9			8	
10/12/2021	10:15 am	W	12			8	
10/12/2021	10:10 am	WSW	8			7	
10/12/2021	10:05 am	WSW	8			7	
10/12/2021	10:00 am	WSW	8			7	
10/12/2021	9:55 am	SW	10			7	
10/12/2021	9:51 am	WSW	12			7	
10/12/2021	9:50 am	WSW	10			7	
10/12/2021	9:45 am	WSW	10	G	16	7	
10/12/2021	9:40 am	W	15			7	
10/12/2021	9:35 am	WSW	14			7	

Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
10/12/2021	9:30 am	W	13			7	
10/12/2021	9:25 am	WSW	12	G	18	7	
10/12/2021	9:20 am	WSW	12			7	
10/12/2021	9:15 am	W	13			7	
10/12/2021	9:10 am	WSW	13			7	
10/12/2021	9:05 am	W	14			7	
10/12/2021	9:00 am	W	10			7	
10/12/2021	8:55 am	W	10	G	18	7	
10/12/2021	8:51 am	W	13			7	
10/12/2021	8:50 am	W	14			7	
10/12/2021	8:45 am	SW	10			7	
10/12/2021	8:40 am	W	9			7	
10/12/2021	8:35 am	SW	9			7	
10/12/2021	8:30 am	WSW	8			7	
10/12/2021	8:25 am	WSW	7			7	
10/12/2021	8:20 am	WSW	8			7	
10/12/2021	8:15 am	SSW	7			7	
10/12/2021	8:10 am	WSW	7			7	
10/12/2021	8:05 am	SW	7			7	
10/12/2021	8:00 am	SW	6			7	
10/12/2021	7:55 am	WSW	6			7	
10/12/2021	7:51 am	SW	5			7	
10/12/2021	7:50 am	SW	6			7	
10/12/2021	7:45 am	SW	7			7	
10/12/2021	7:40 am	SW	7			7	
10/12/2021	7:35 am	WSW	6			7	
10/12/2021	7:30 am	W	6			7	
10/12/2021	7:25 am	WSW	6			7	
10/12/2021	7:20 am	SSW	6			7	
10/12/2021	7:15 am	SW	5			7	
10/12/2021	7:10 am	SW	5			7	
10/12/2021	7:05 am	SW	5			7	
10/12/2021	7:00 am	SW	5			7	
10/12/2021	6:55 am	SW	5			7	
10/12/2021	6:51 am	WSW	6			8	
10/12/2021	6:50 am	WSW	6			7	
10/12/2021	6:45 am	WSW	6			8	
10/12/2021	6:40 am	SW	6			8	
10/12/2021	6:35 am	SSW	7			8	
10/12/2021	6:30 am	W	6			9	
10/12/2021	6:25 am	WSW	3			9	
10/12/2021	6:20 am	W	3			9	
10/12/2021	6:15 am	N	0			9	
10/12/2021	6:10 am	N	0			10	
10/12/2021	6:05 am	N	0			10	
10/12/2021	6:00 am	N	0			10	
10/12/2021	5:55 am	N	0			10	
10/12/2021	5:51 am	N	0			10	
10/12/2021	5:50 am	N	0			10	
10/12/2021	5:45 am	SE	3			10	
10/12/2021	5:40 am	SSE	6			10	
10/12/2021	5:35 am	S	6			10	
10/12/2021	5:30 am	SSW	6			10	
10/12/2021	5:25 am	WSW	7			10	
10/12/2021	5:20 am	W	7			10	
10/12/2021	5:15 am	WSW	6			10	
10/12/2021	5:10 am	WSW	5			10	
10/12/2021	5:05 am	WSW	6			10	
10/12/2021	5:00 am	W	7			10	
10/12/2021	4:55 am	W	7			10	
10/12/2021	4:51 am	W	8			10	
10/12/2021	4:50 am	W	8			10	
10/12/2021	4:45 am	W	8			10	

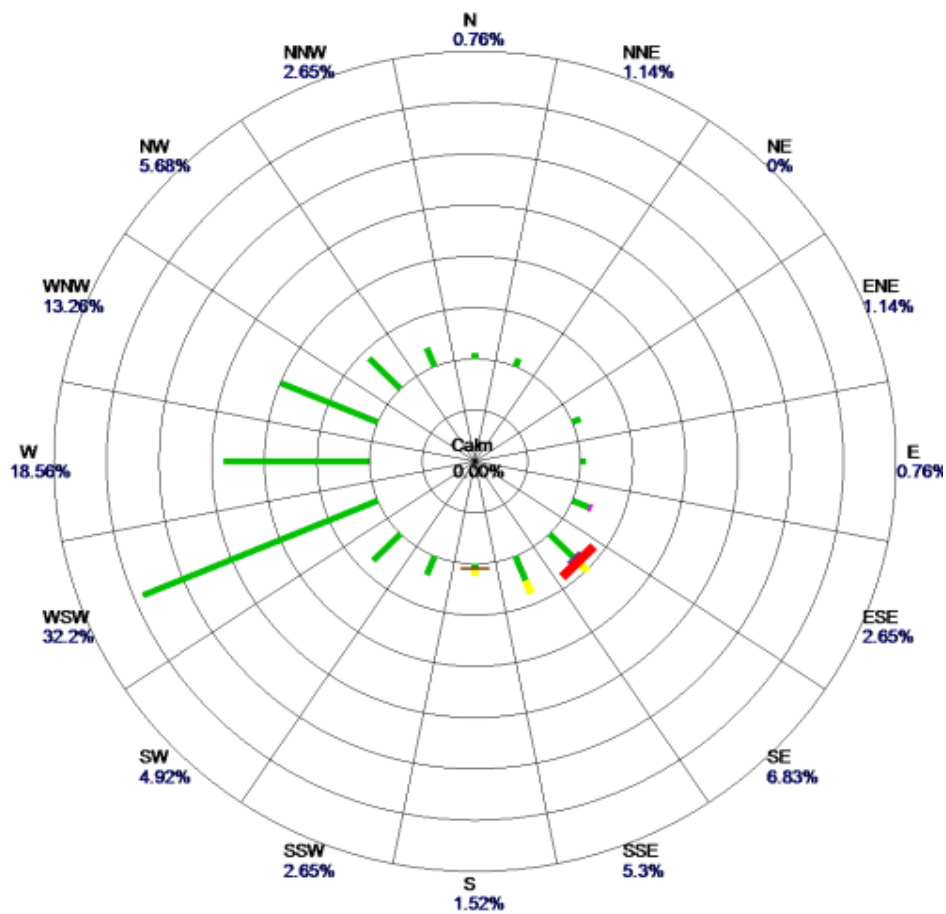
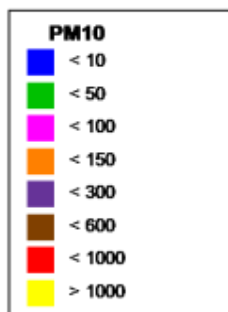
Date	Time	Wind Direction	Wind (mph)	Wind Gust Recorded?	Wind Gust (mph)	Visibility (miles)	Weather Condition
10/12/2021	4:40 am	W	9			10	
10/12/2021	4:35 am	WSW	6			10	
10/12/2021	4:30 am	SW	3			9	
10/12/2021	4:25 am	N	0			9	
10/12/2021	4:20 am	N	0			9	
10/12/2021	4:15 am	SW	3			9	
10/12/2021	4:10 am	WSW	6			9	
10/12/2021	4:05 am	WSW	7			9	
10/12/2021	4:00 am	WSW	8			9	
10/12/2021	3:55 am	WSW	7			9	
10/12/2021	3:51 am	WSW	8			9	
10/12/2021	3:50 am	WSW	8			9	
10/12/2021	3:45 am	WSW	9			9	
10/12/2021	3:40 am	WSW	9			9	
10/12/2021	3:35 am	SW	12			9	
10/12/2021	3:30 am	WSW	12			9	
10/12/2021	3:25 am	WSW	10			9	
10/12/2021	3:20 am	WSW	13	G	18	9	
10/12/2021	3:15 am	WSW	12	G	18	9	
10/12/2021	3:10 am	W	16			8	
10/12/2021	3:05 am	W	17			8	
10/12/2021	3:00 am	W	21			7	
10/12/2021	2:55 am	W	18			6	
10/12/2021	2:51 am	W	24	G	31	6	Dust
10/12/2021	2:50 am	W	22	G	28	6	
10/12/2021	2:45 am	W	20	G	25	6	
10/12/2021	2:40 am	W	20			6	
10/12/2021	2:35 am	W	18			6	
10/12/2021	2:30 am	W	16			6	
10/12/2021	2:25 am	W	9			5	
10/12/2021	2:20 am	W	9			5	
10/12/2021	2:15 am	W	8			5	
10/12/2021	2:10 am	WSW	7			5	
10/12/2021	2:05 am	W	10			5	
10/12/2021	2:00 am	W	13			5	
10/12/2021	1:55 am	W	14	G	20	5	
10/12/2021	1:51 am	W	14			5	Dust
10/12/2021	1:50 am	W	15			5	
10/12/2021	1:45 am	W	17			5	
10/12/2021	1:40 am	W	20			5	
10/12/2021	1:35 am	W	18			5	
10/12/2021	1:30 am	W	16			5	
10/12/2021	1:25 am	W	20			5	
10/12/2021	1:20 am	W	18			5	
10/12/2021	1:15 am	W	21			5	
10/12/2021	1:10 am	W	18	G	25	5	
10/12/2021	1:05 am	W	21			5	
10/12/2021	1:00 am	W	22	G	30	5	
10/12/2021	12:55 am	W	25	G	33	5	
10/12/2021	12:51 am	W	24	G	37	5	Dust
10/12/2021	12:50 am	W	24			5	
10/12/2021	12:45 am	W	24	G	31	5	
10/12/2021	12:40 am	W	24			5	
10/12/2021	12:35 am	W	25	G	33	5	
10/12/2021	12:32 am	W	24	G	33	4	Dust
10/12/2021	12:30 am	W	24			5	
10/12/2021	12:25 am	W	28	G	33	4	
10/12/2021	12:20 am	W	23			4	
10/12/2021	12:18 am	W	22	G	33	4	Dust
10/12/2021	12:15 am	W	25	G	31	2.5	
10/12/2021	12:10 am	W	24	G	30	2.5	
10/12/2021	12:05 am	W	22	G	28	2.5	
10/12/2021	12:00 am	W	20			2.5	



Appendix C: Maricopa County Air Quality Department Planning & Analysis Division – Air Quality Monitor Data 5-Minute and 1-Hour PM₁₀ Wind Roses

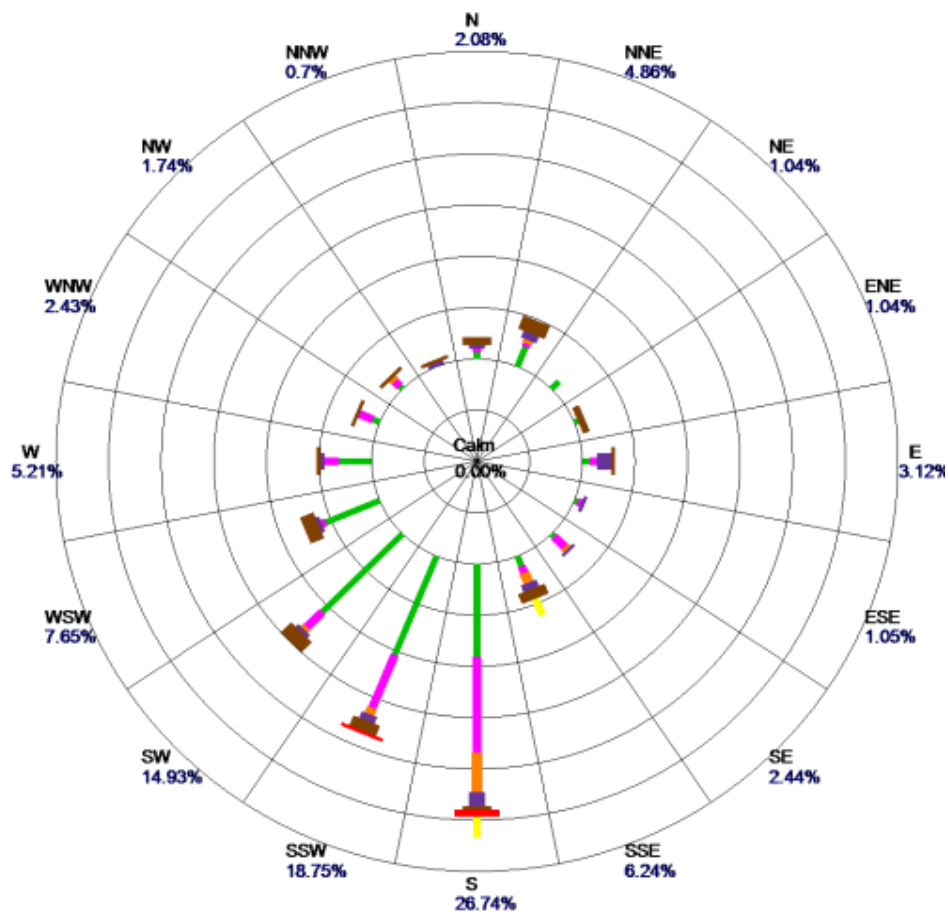
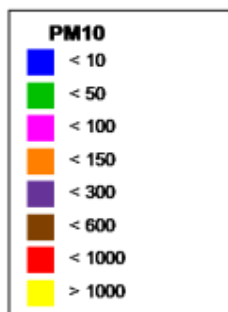
5-Minute PM10 Wind Roses for MCAQD Air Quality Monitors

Site: South Scottsdale
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



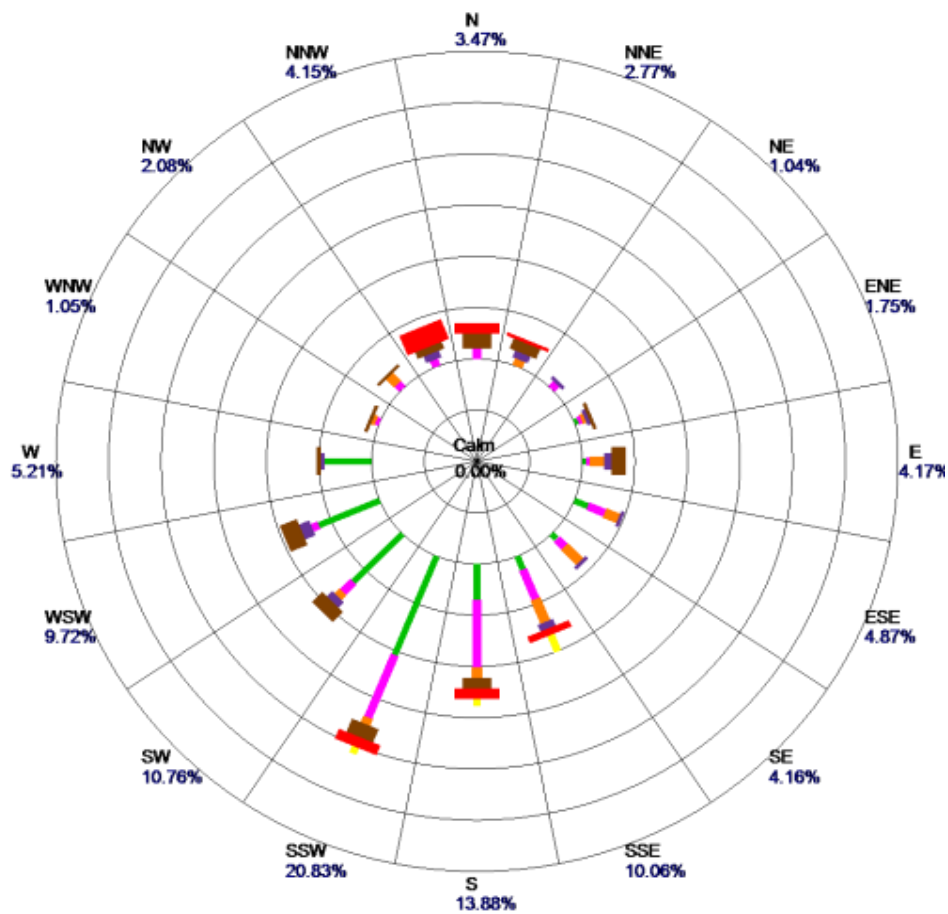
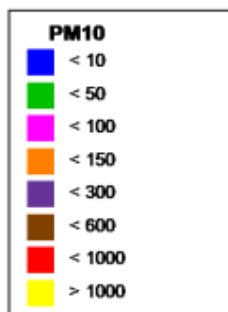
Period: 2021-07-09 00:00 - 2021-07-09 23:59

Site: Dysart
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



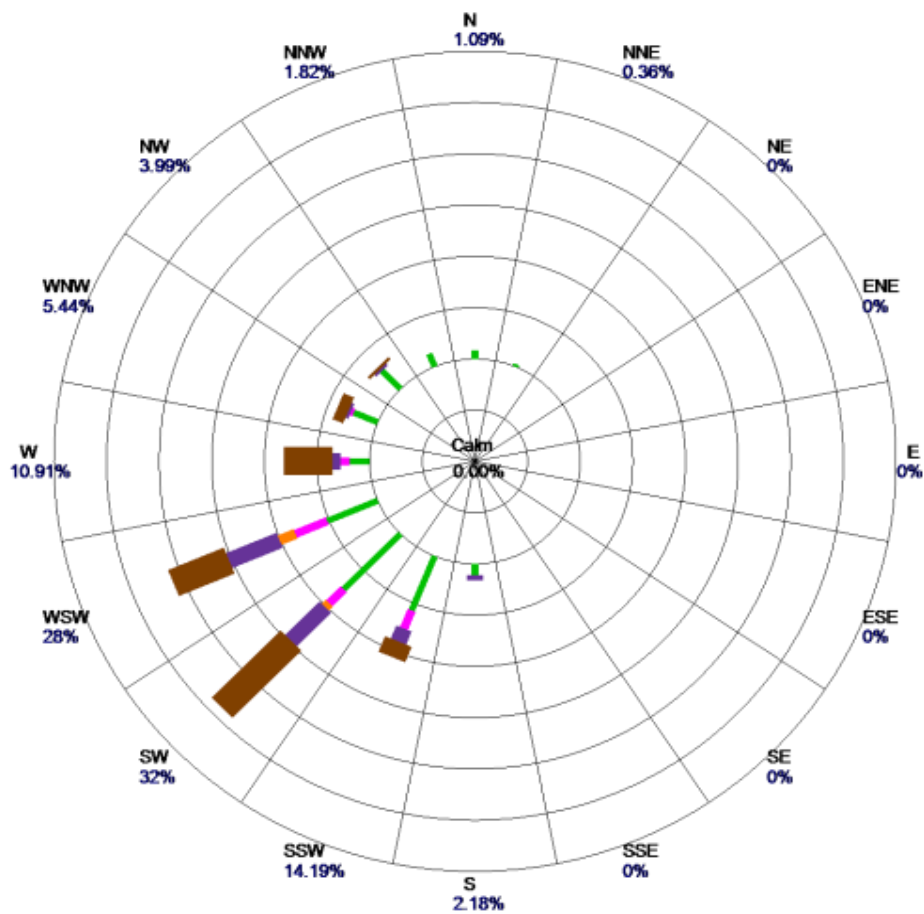
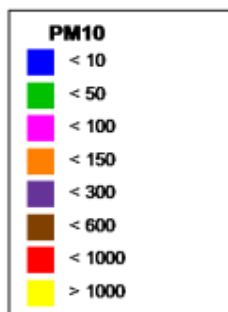
Period: 2021-07-10 00:00 - 2021-07-10 23:59

Site: Zuni Hills
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



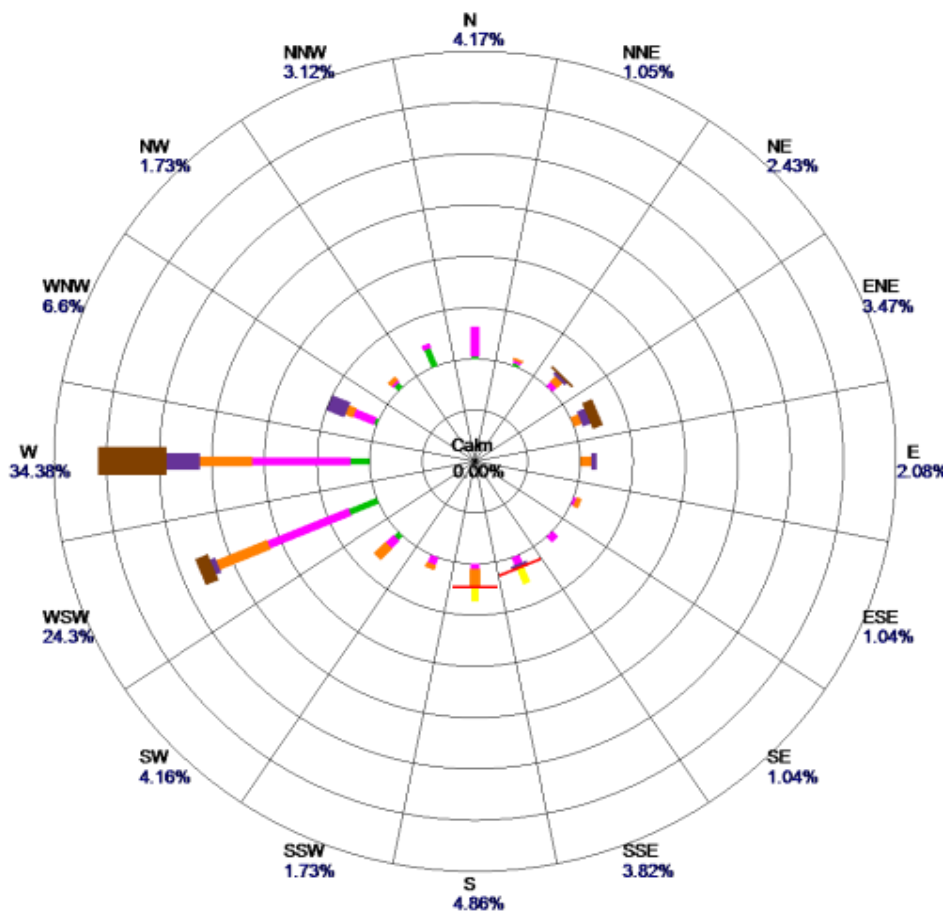
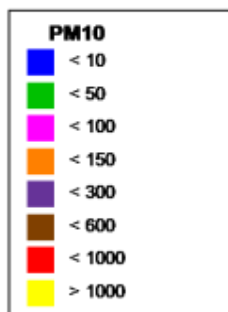
Period: 2021-07-10 00:00 - 2021-07-10 23:59

Site: Buckeye
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



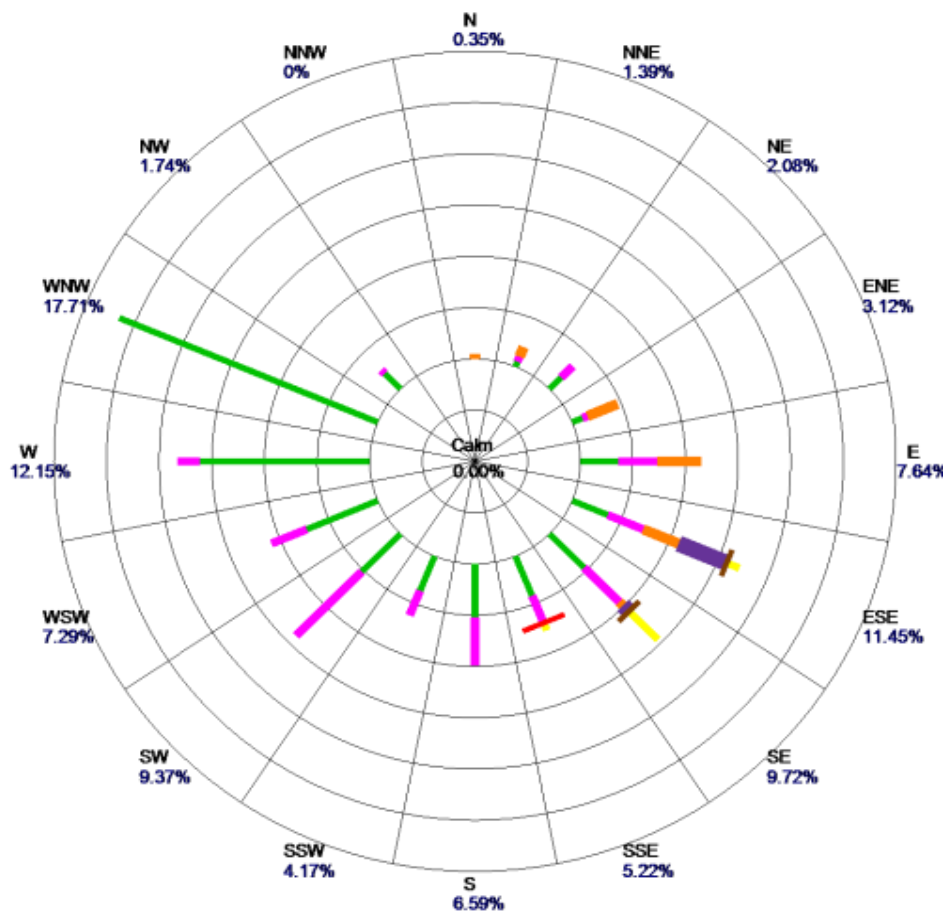
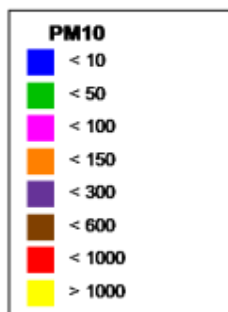
Period: 2021-07-12 00:00 - 2021-07-12 23:59

Site: West 43rd Ave
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



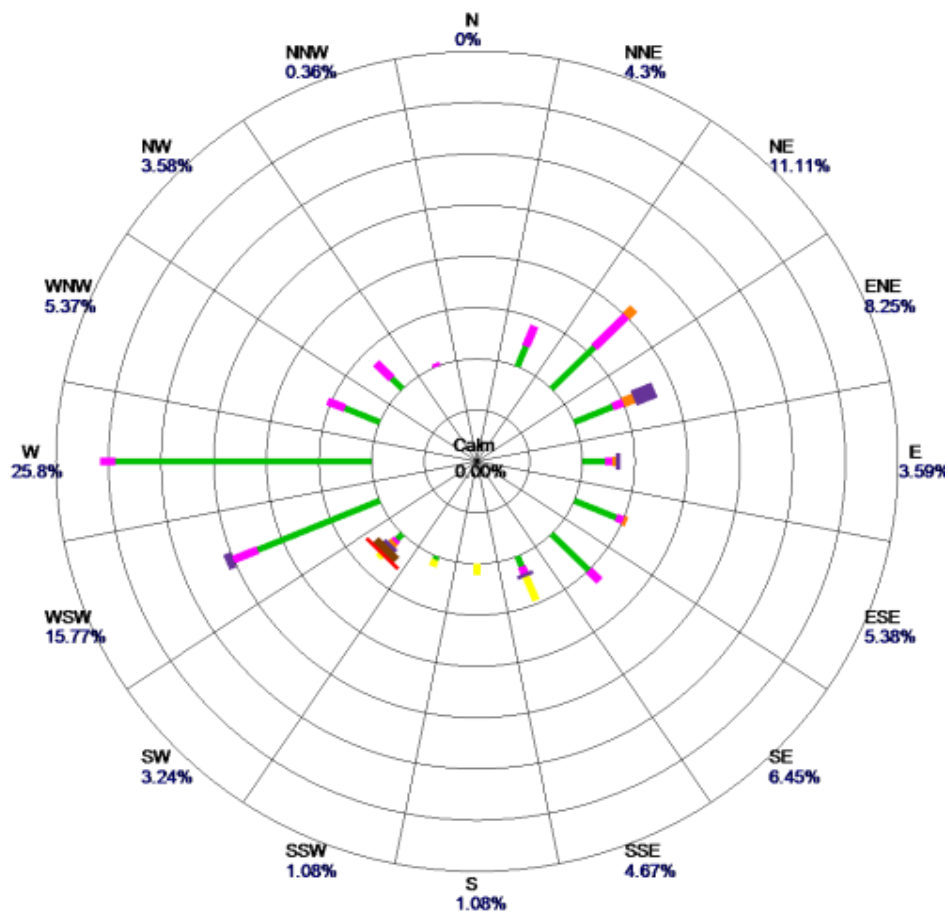
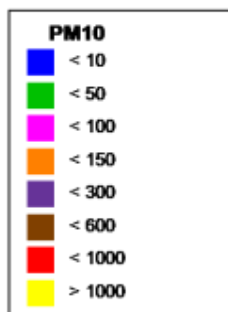
Period: 2023-07-21 00:00 - 2023-07-21 23:59

Site: Higley
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



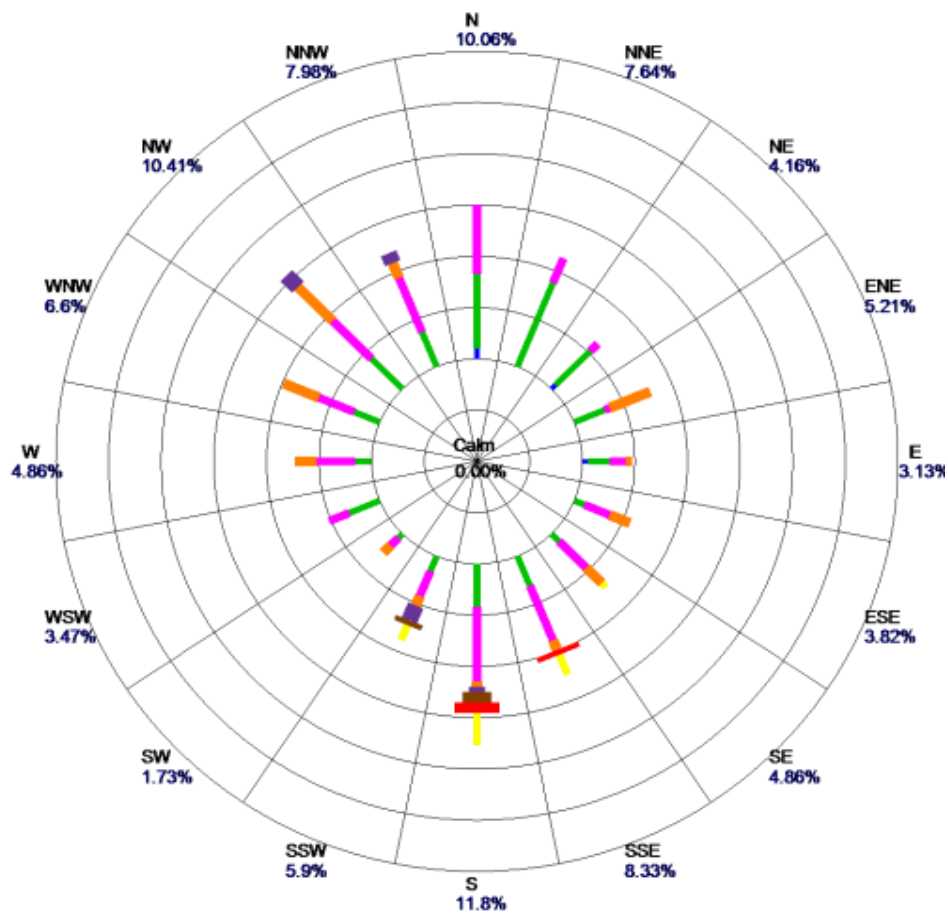
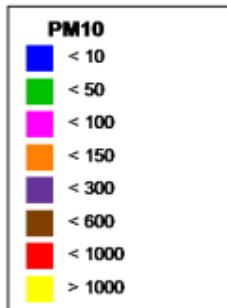
Period: 2023-07-26 00:00 - 2023-07-26 23:59

Site: Central Phoenix
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



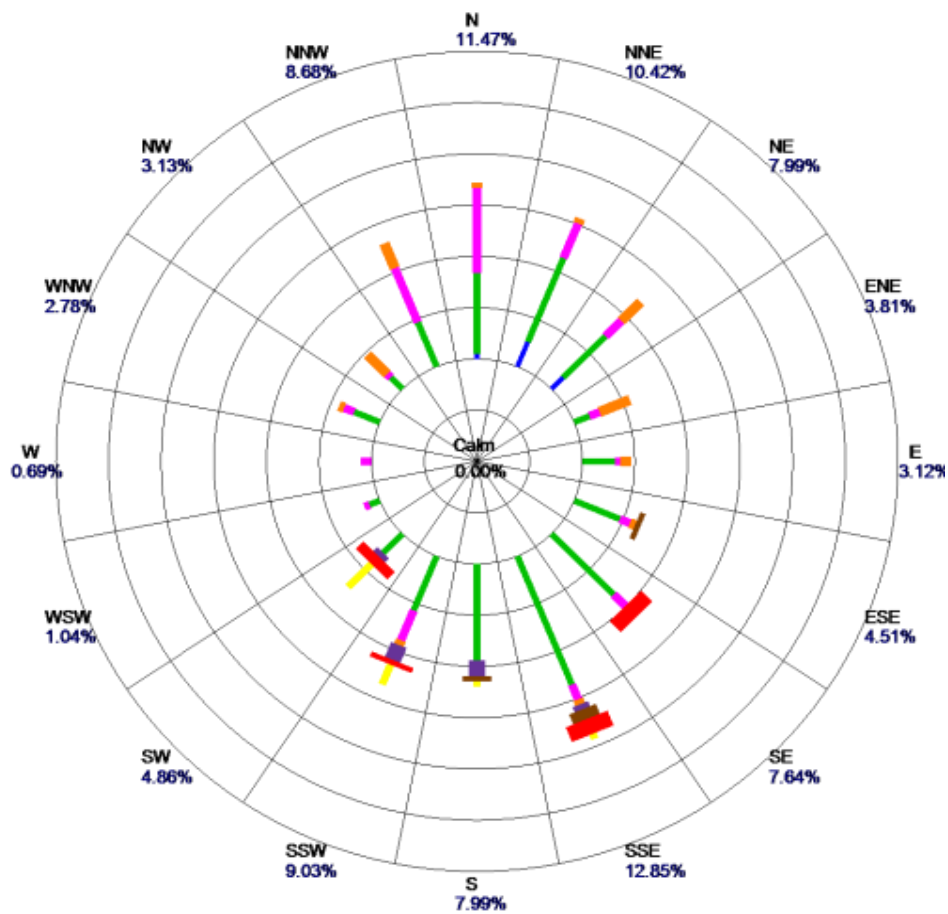
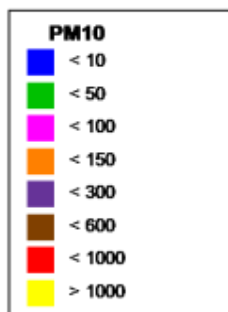
Period: 2023-08-31 00:00 - 2023-08-31 23:59

Site: Dysart
 Parameter: PM10
 Units: UG/M3
 Direction: FROM Origin



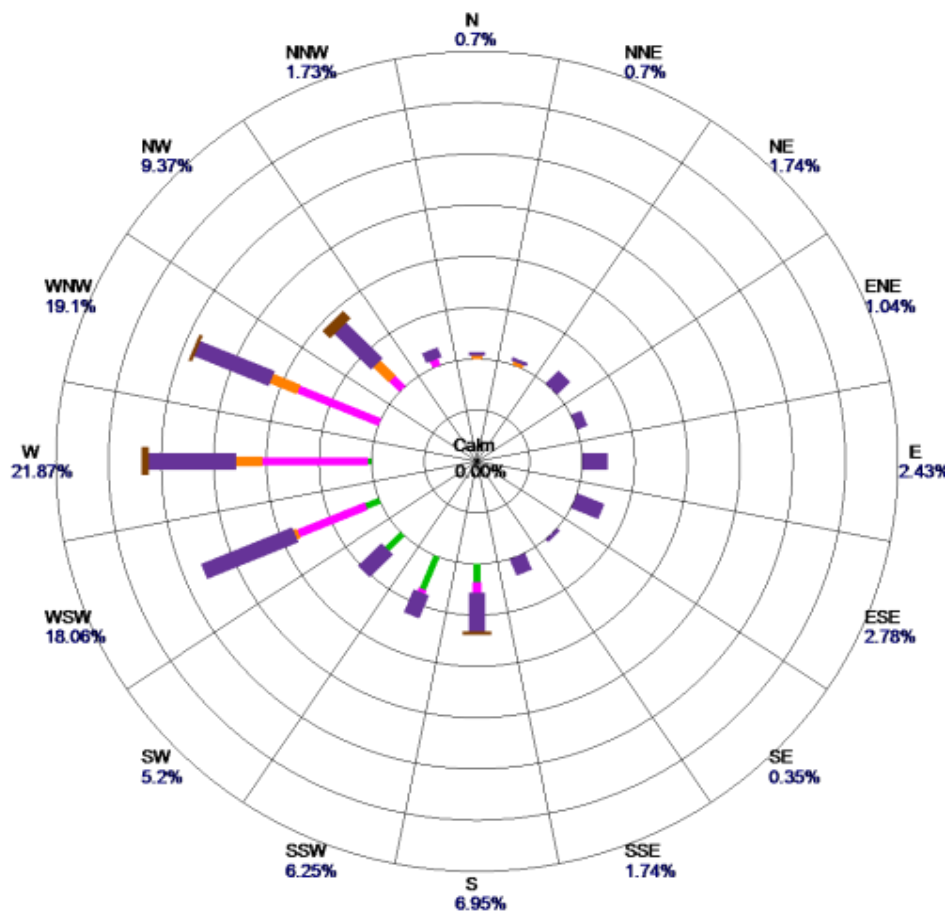
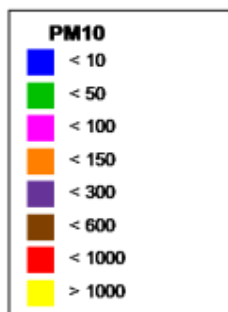
Period: 2022-09-02 00:00 - 2022-09-02 23:59

Site: Zuni Hills
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



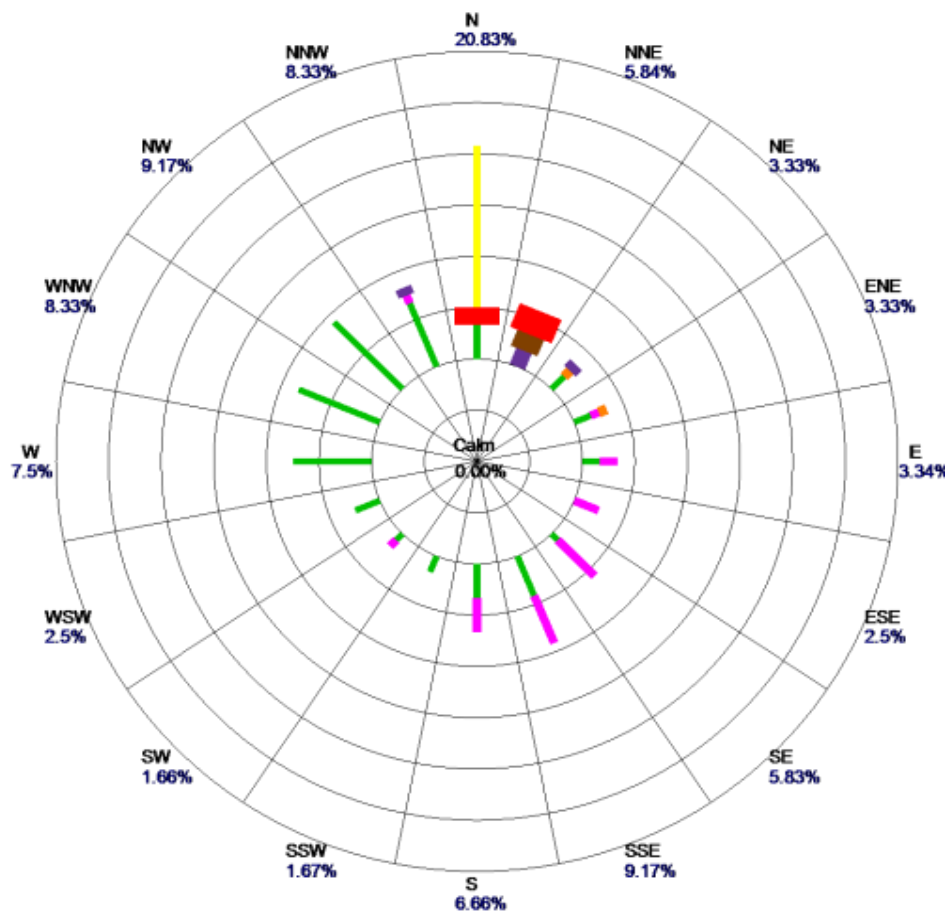
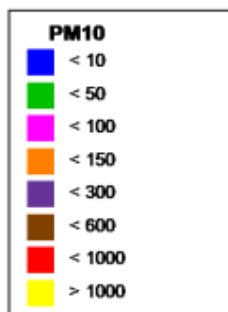
Period: 2022-09-02 00:00 - 2022-09-02 23:59

Site: West 43rd Ave
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



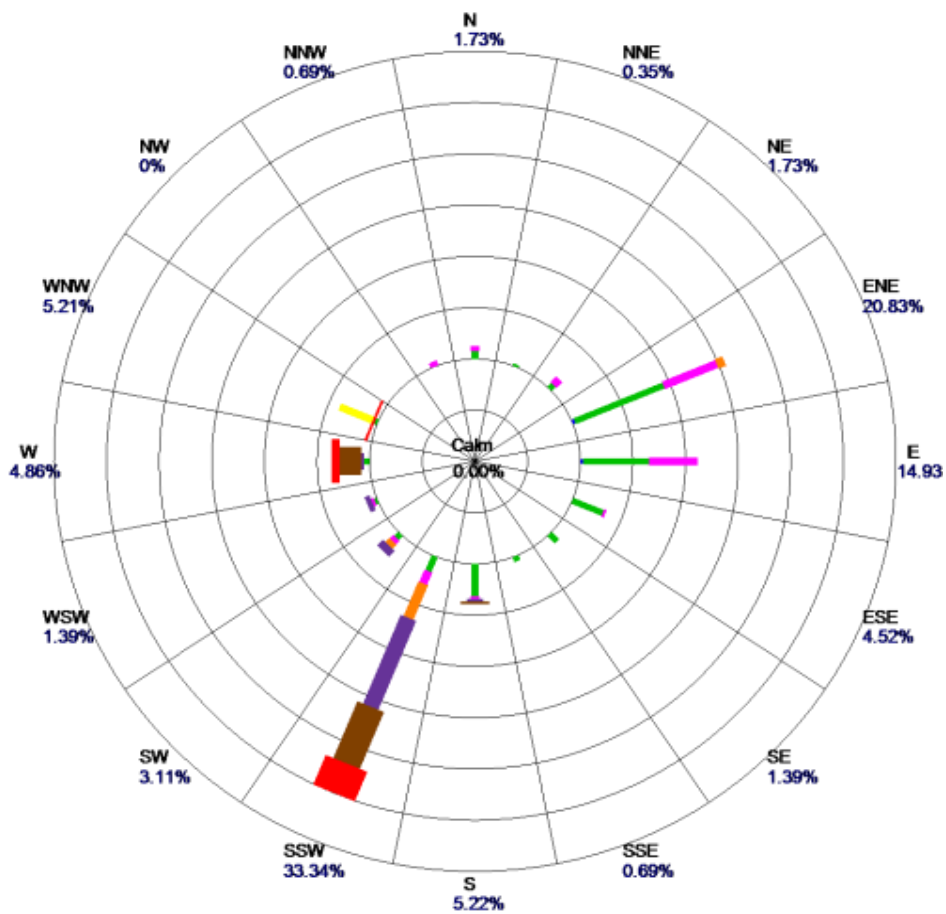
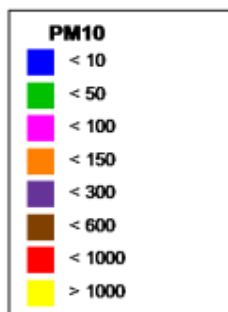
Period: 2023-10-01 00:00 - 2023-10-01 23:59

Site: West 43rd Ave
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



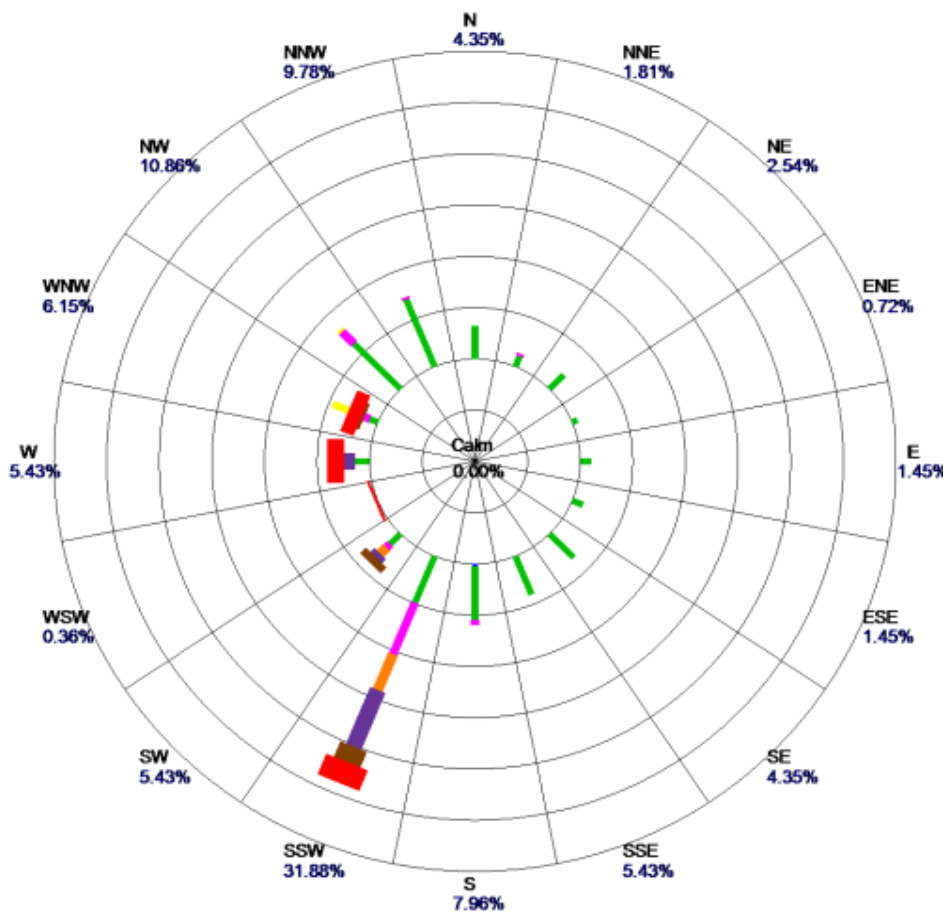
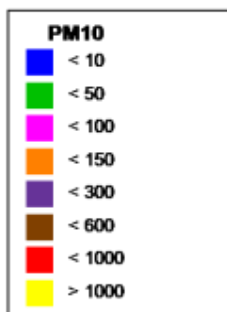
Period: 2022-10-03 00:00 - 2022-10-03 23:59

Site: Buckeye
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



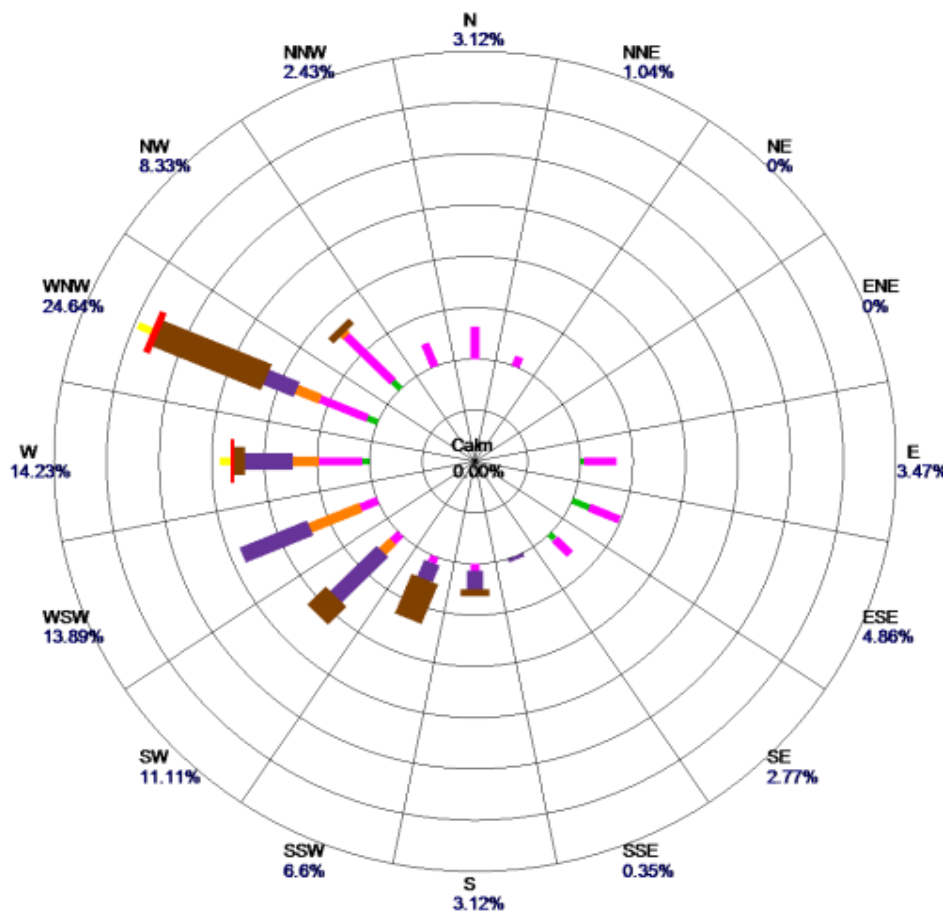
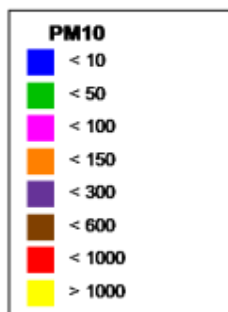
Period: 2021-10-11 00:00 - 2021-10-11 23:59

Site: Dysart
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



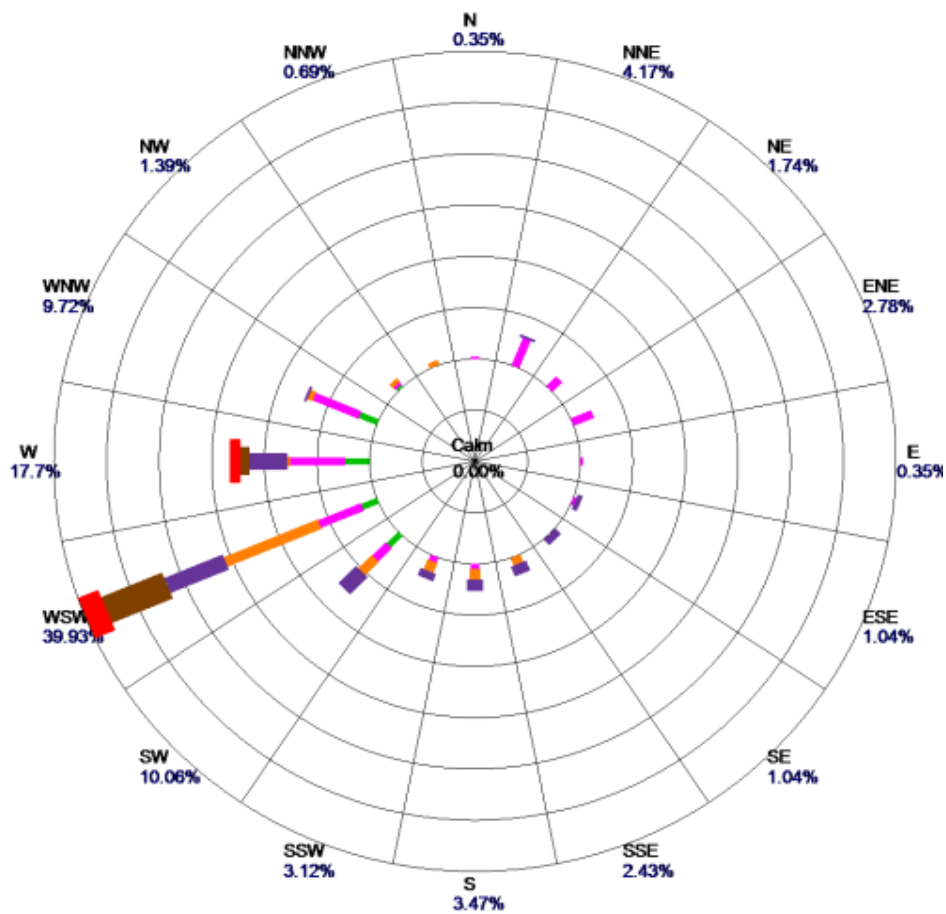
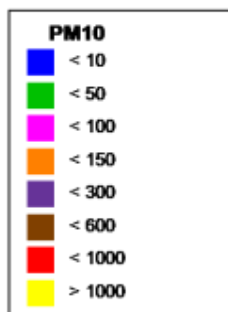
Period: 2021-10-11 00:00 - 2021-10-11 23:59

Site: Higley
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



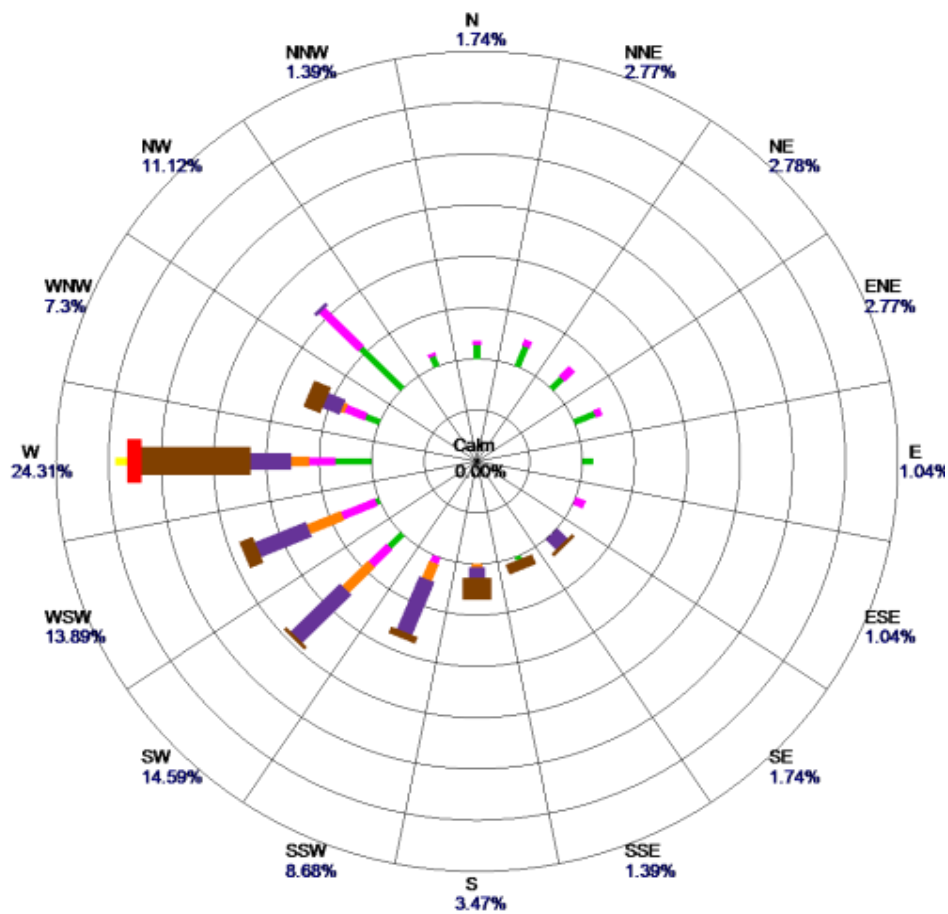
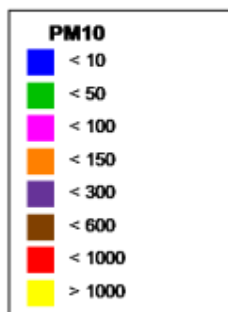
Period: 2021-10-12 00:00 - 2021-10-12 23:59

Site: South Scottsdale
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



Period: 2021-10-12 00:00 - 2021-10-12 23:59

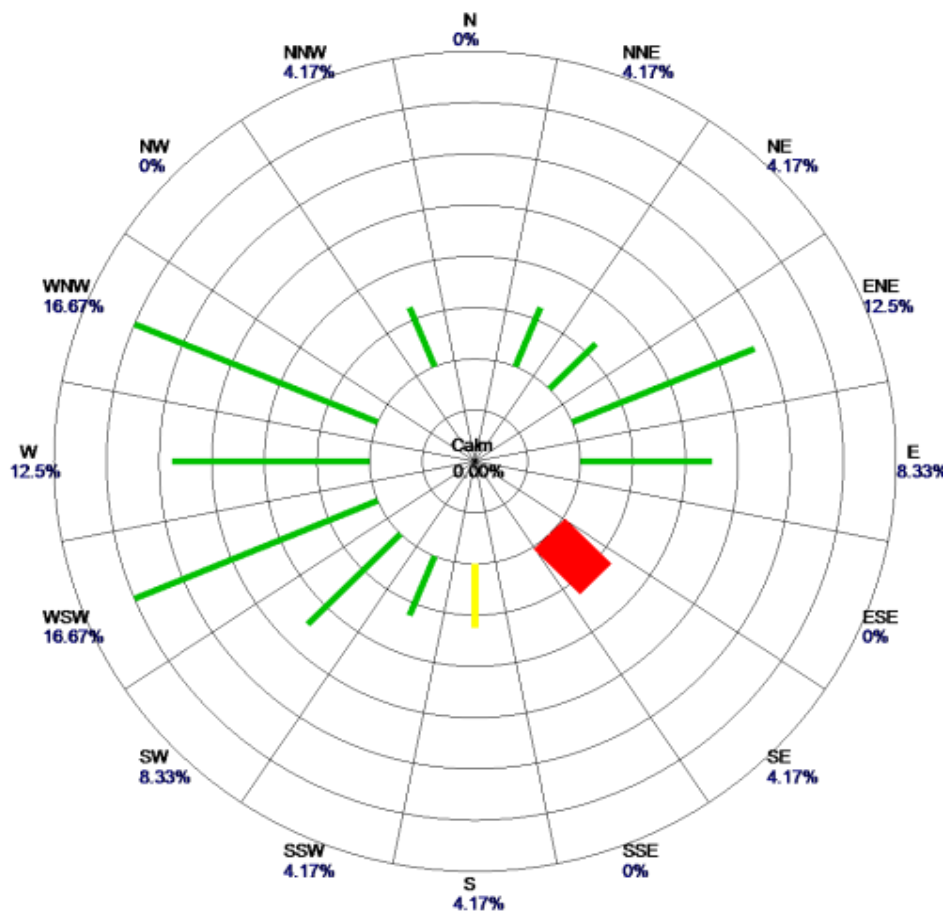
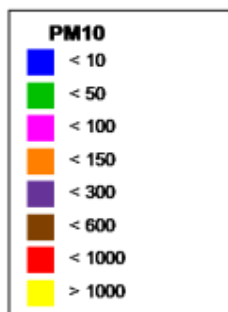
Site: West Chandler
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



Period: 2021-10-12 00:00 - 2021-10-12 23:59

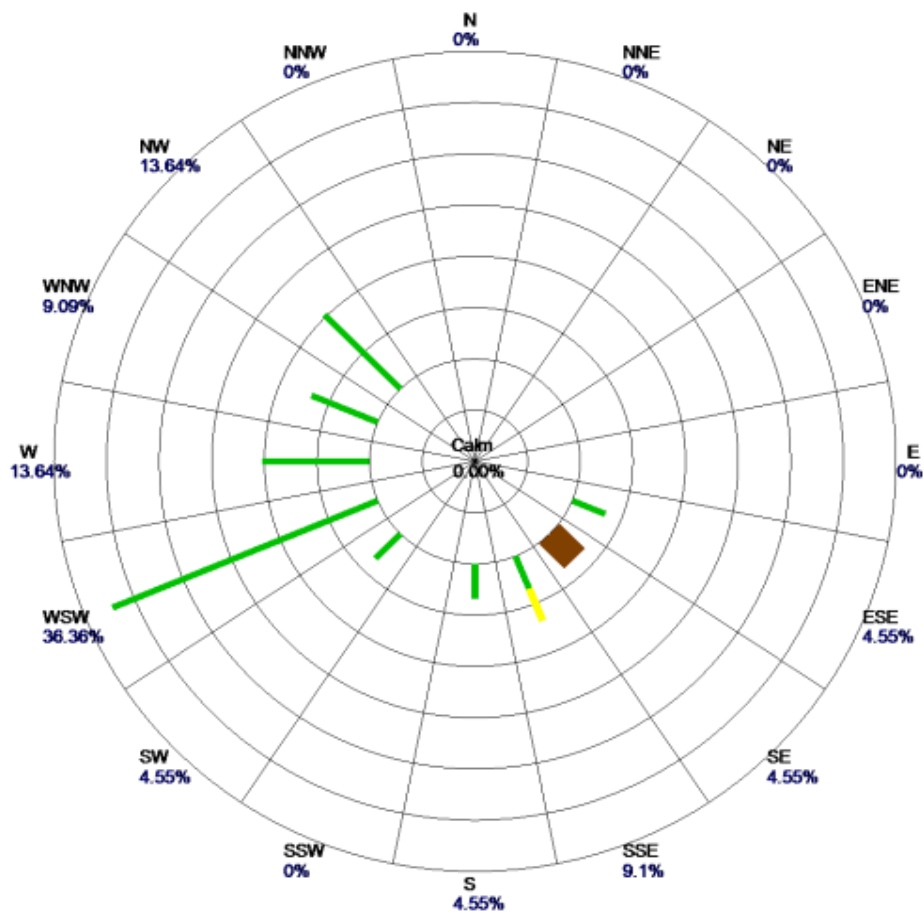
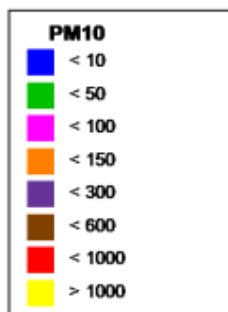
1-Hour PM10 Wind Roses for MCAQD Air Quality Monitors

Site: Mesa
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



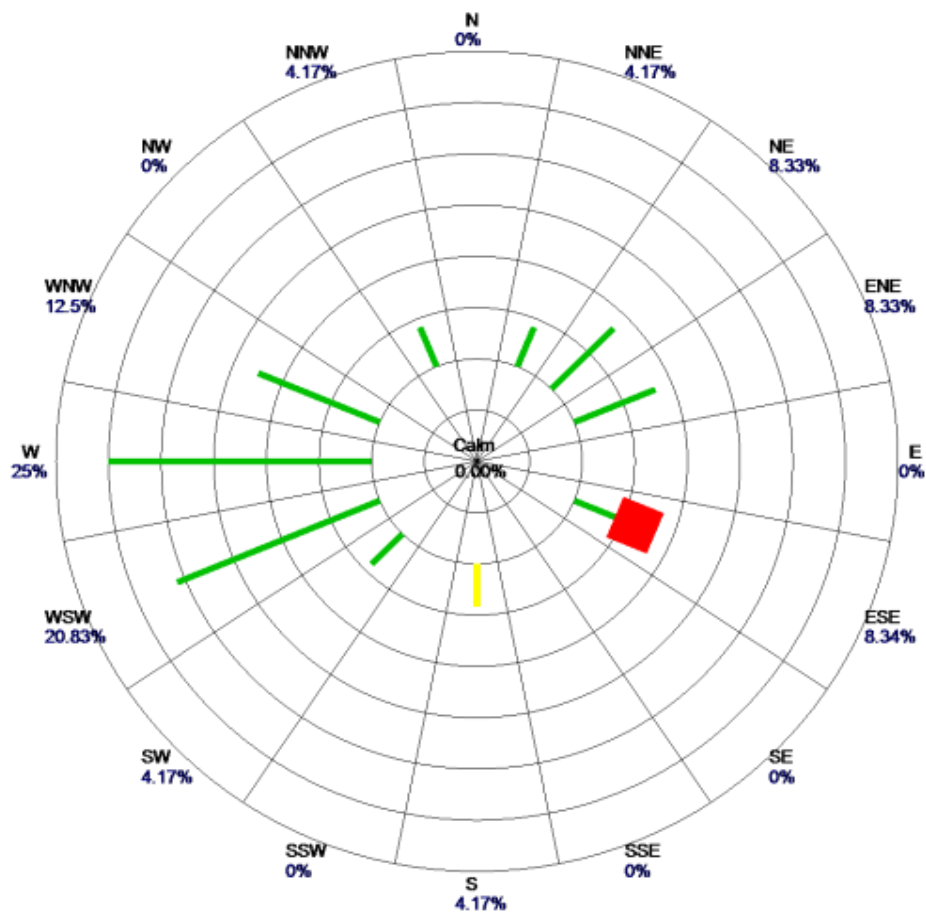
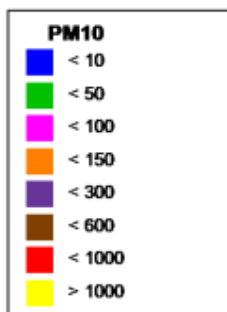
Period: 2021-07-09 00:00 - 2021-07-09 23:59

Site: South Scottsdale
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



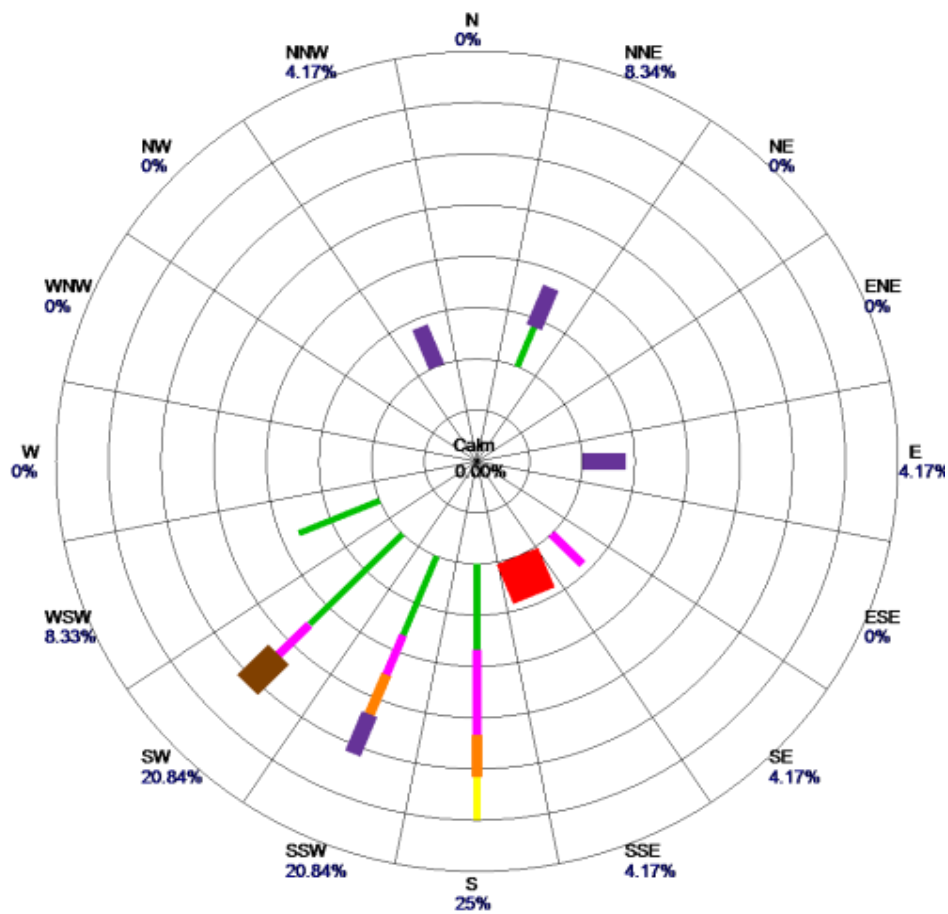
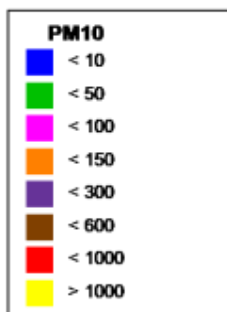
Period: 2021-07-09 00:00 - 2021-07-09 23:59

Site: Tempe
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



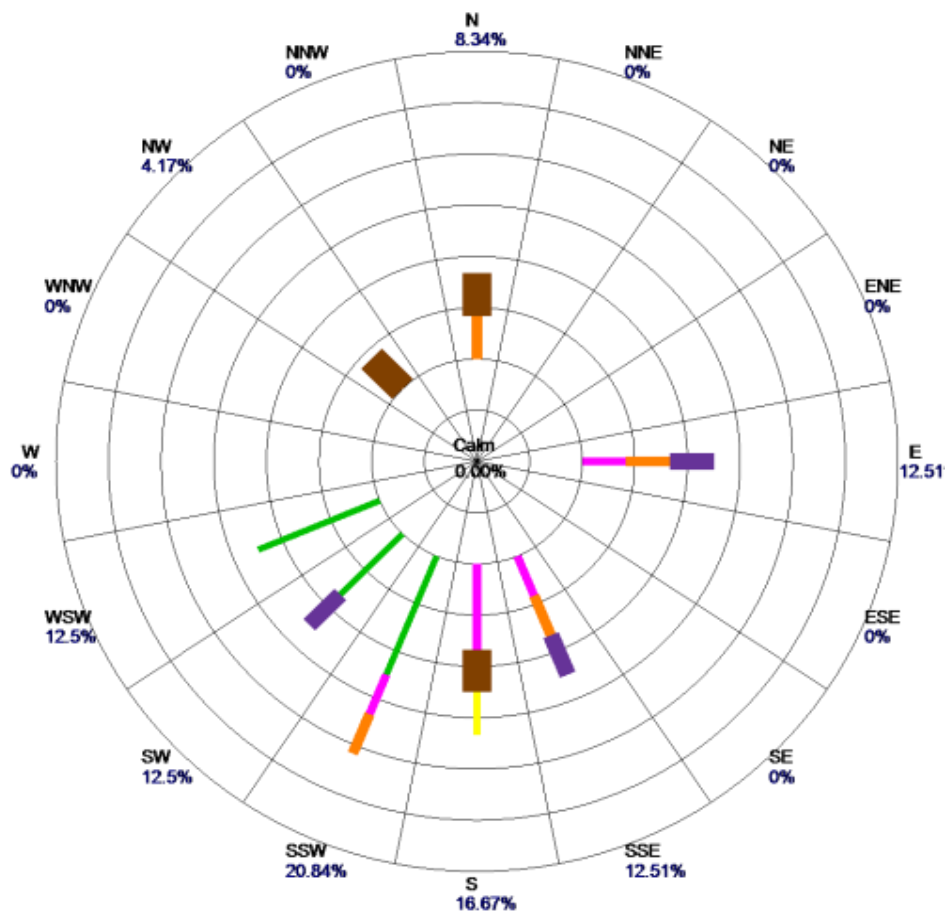
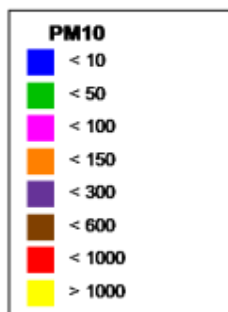
Period: 2021-07-09 00:00 - 2021-07-09 23:59

Site: Dysart
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



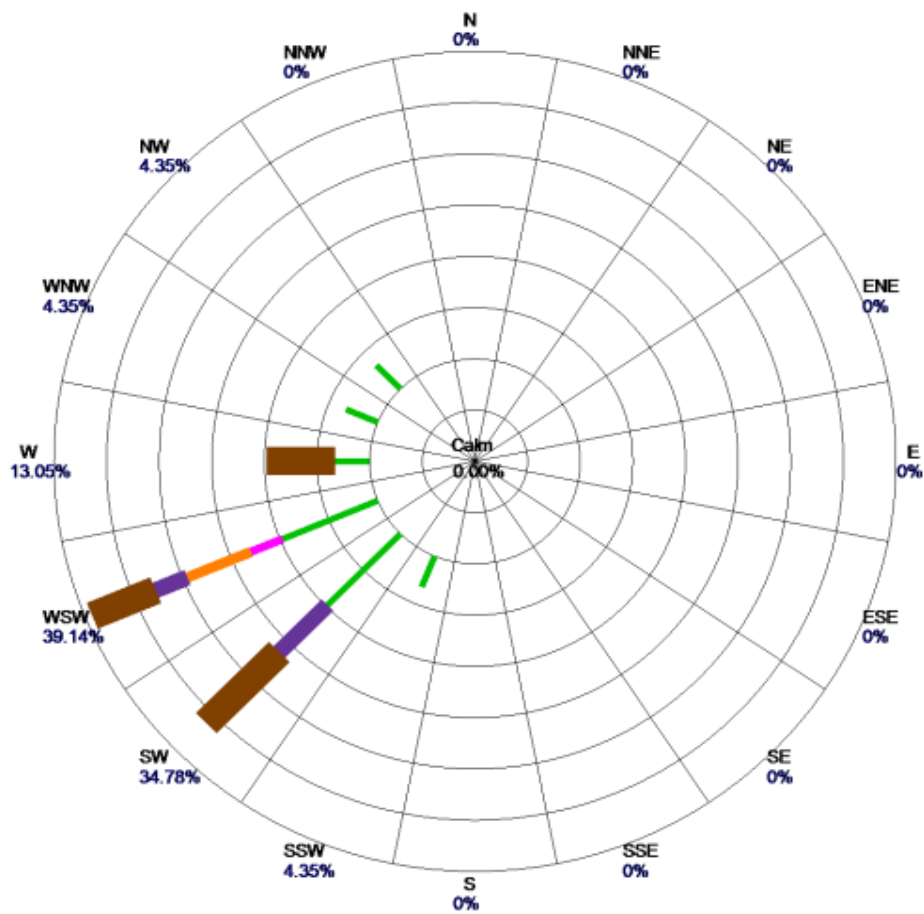
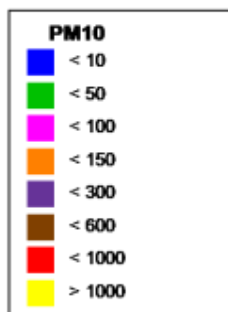
Period: 2021-07-10 00:00 - 2021-07-10 23:59

Site: Zuni Hills
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



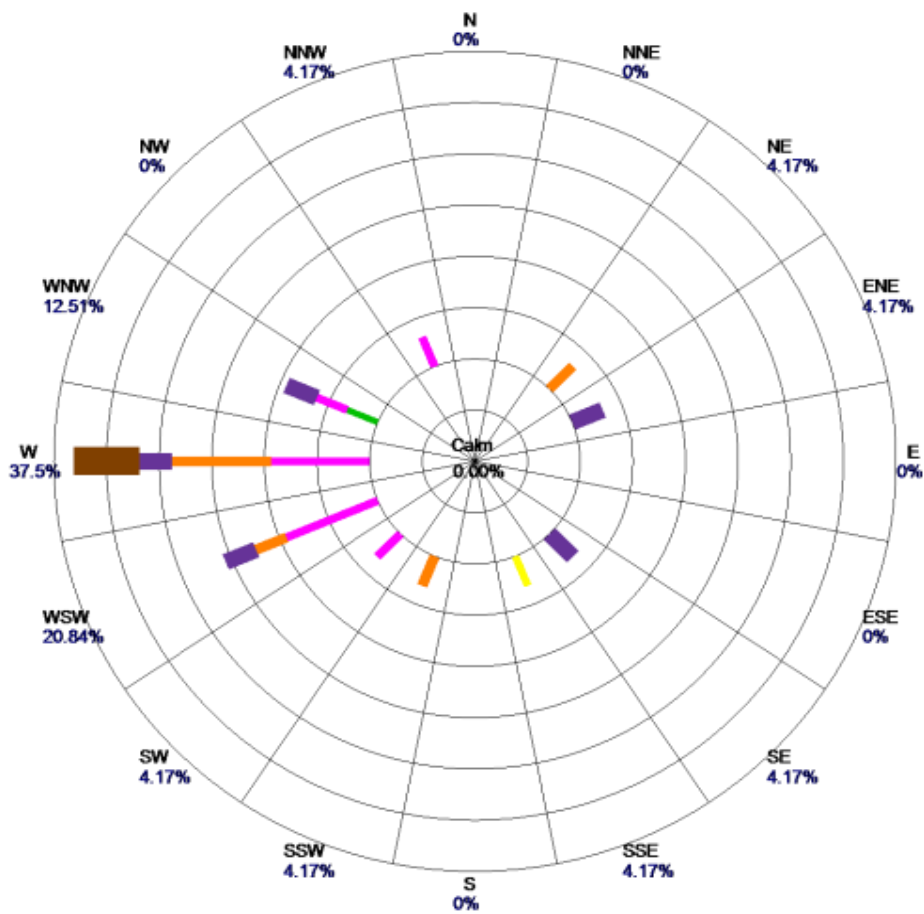
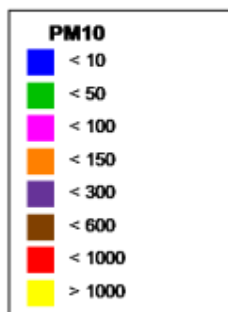
Period: 2021-07-10 00:00 - 2021-07-10 23:59

Site: Buckeye
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



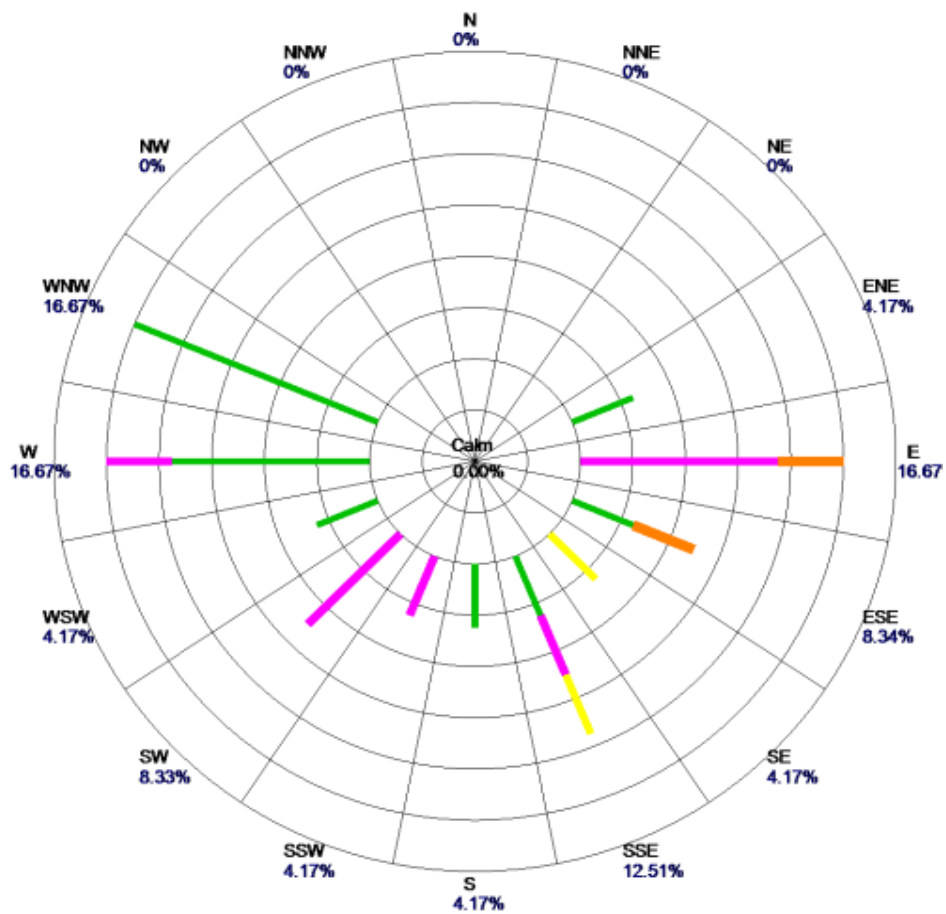
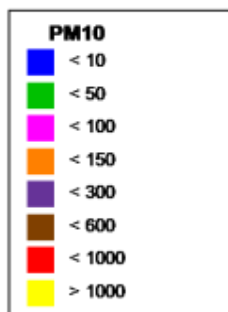
Period: 2021-07-12 00:00 - 2021-07-12 23:59

Site: West 43rd Ave
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



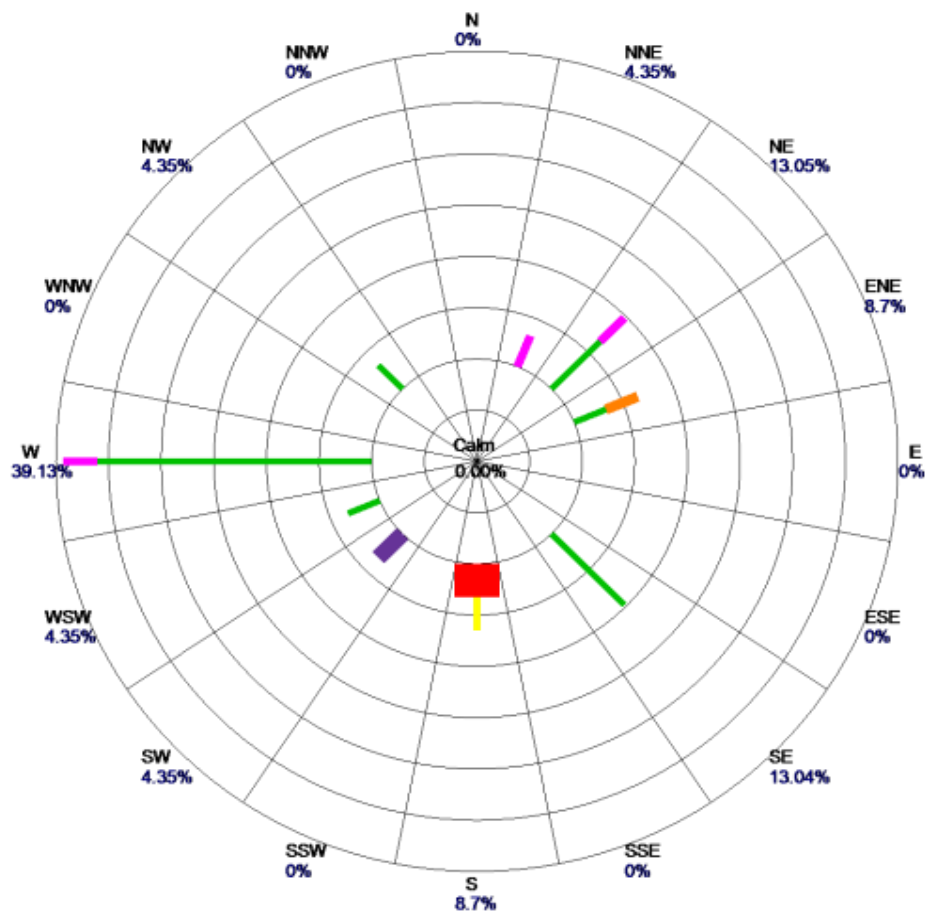
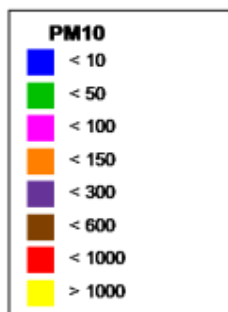
Period: 2023-07-21 00:00 - 2023-07-21 23:59

Site: Higley
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



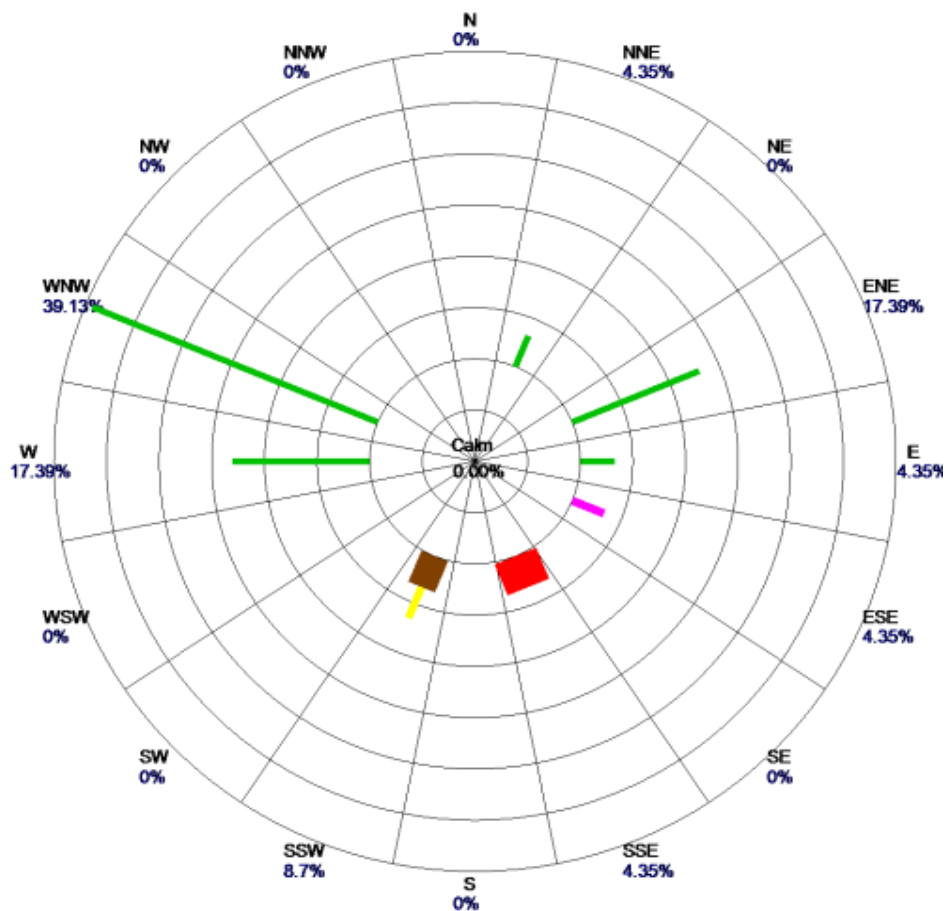
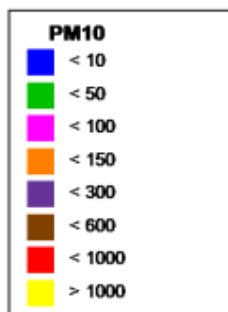
Period: 2023-07-26 00:00 - 2023-07-26 23:59

Site: Central Phoenix
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



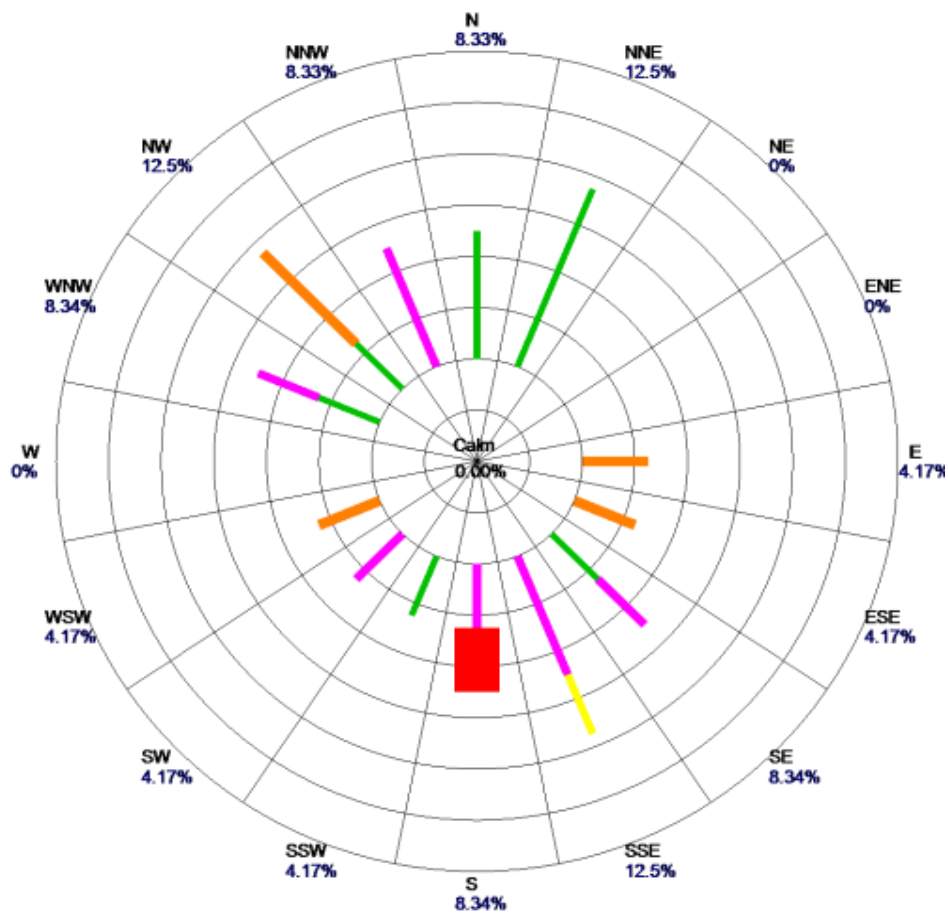
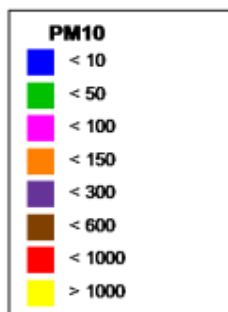
Period: 2023-08-31 00:00 - 2023-08-31 23:59

Site: Durango Complex
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



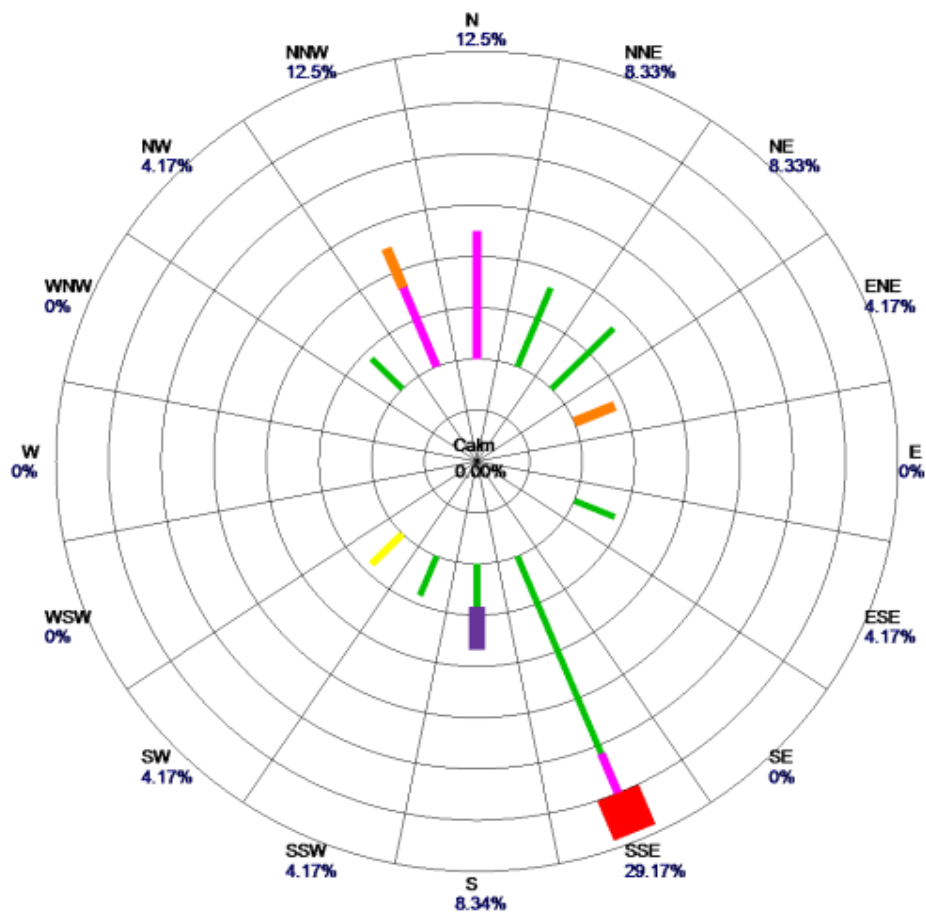
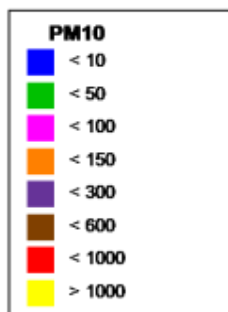
Period: 2023-08-31 00:00 - 2023-08-31 23:59

Site: Dysart
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



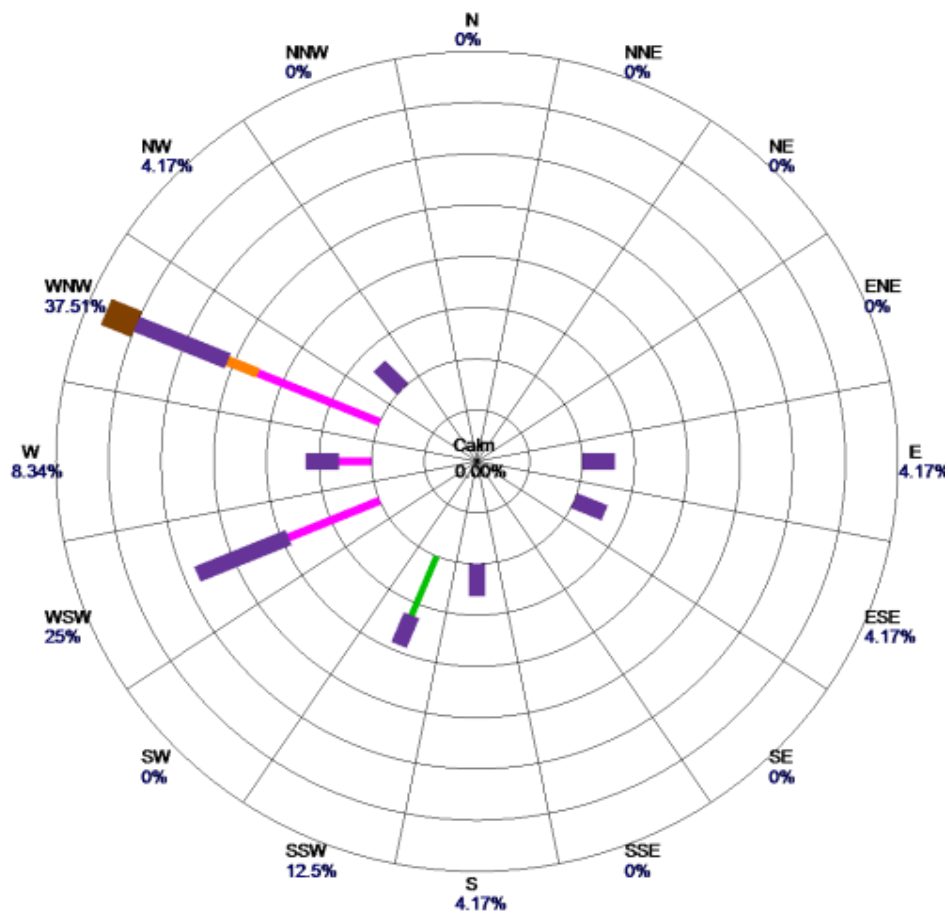
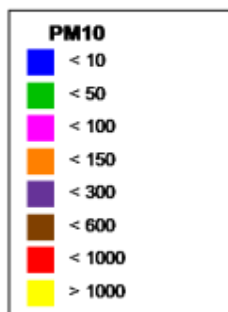
Period: 2022-09-02 00:00 - 2022-09-02 23:59

Site: Zuni Hills
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



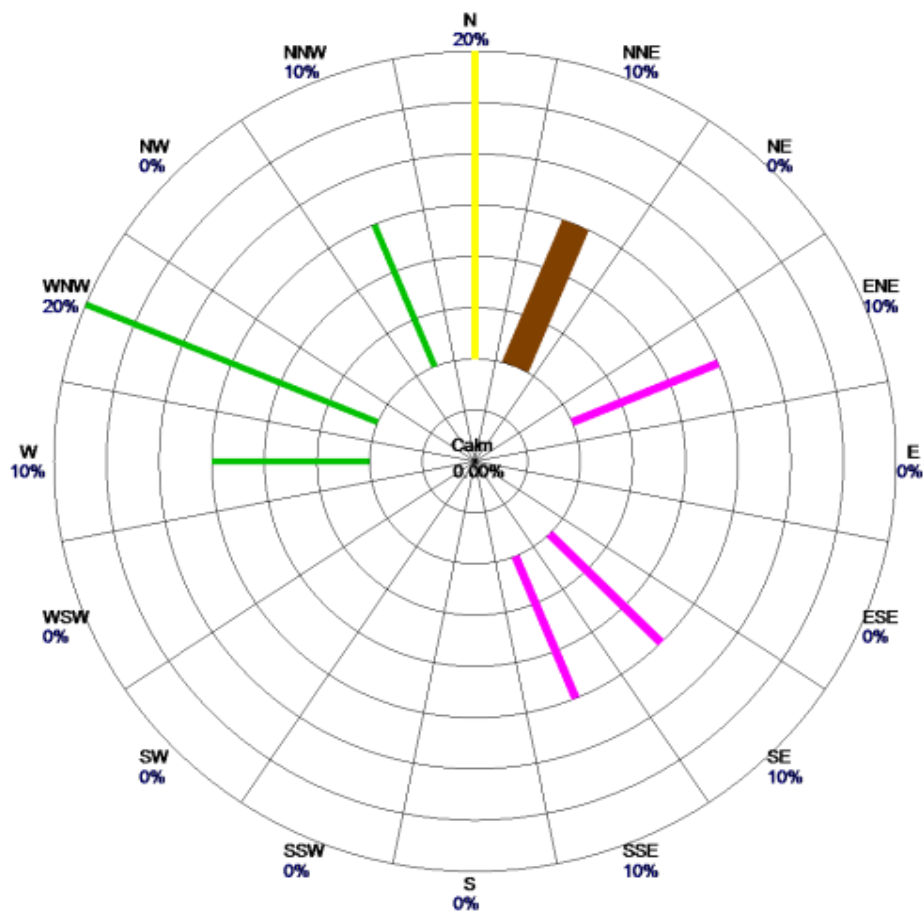
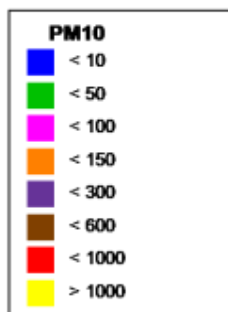
Period: 2022-09-02 00:00 - 2022-09-02 23:59

Site: West 43rd Ave
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



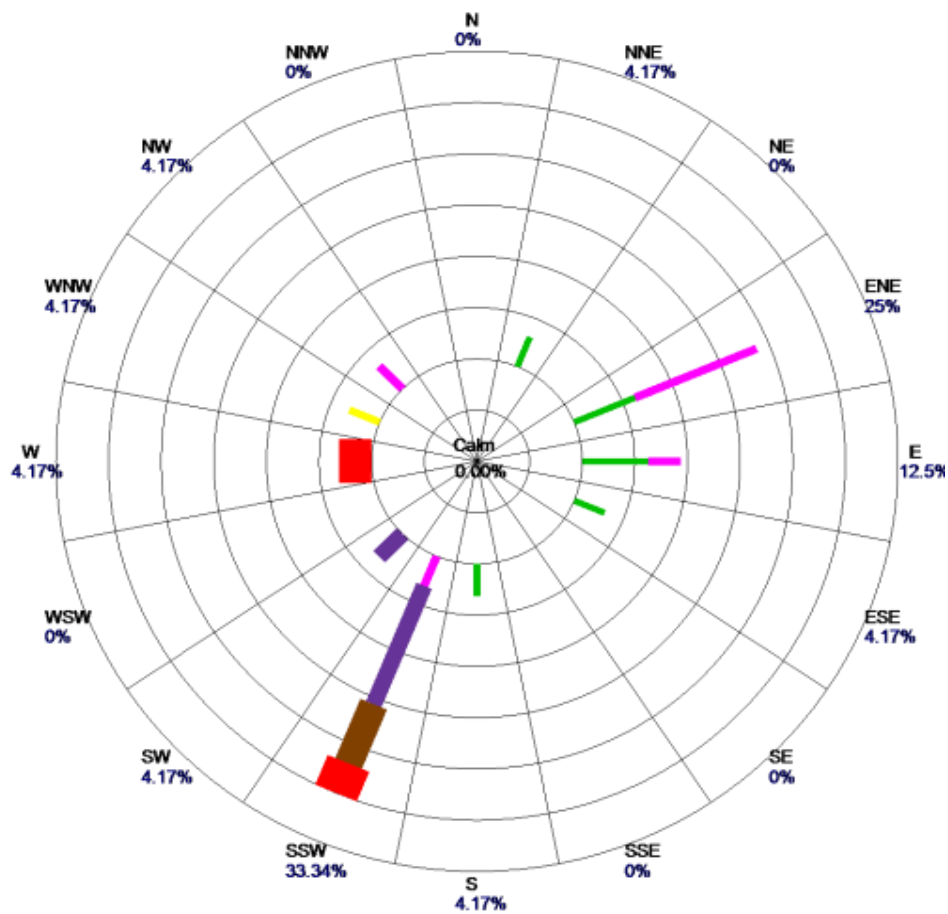
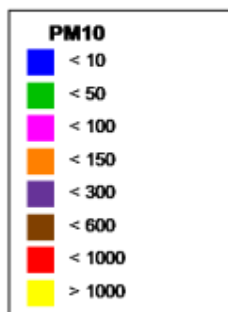
Period: 2023-10-01 00:00 - 2023-10-01 23:59

Site: West 43rd Ave
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



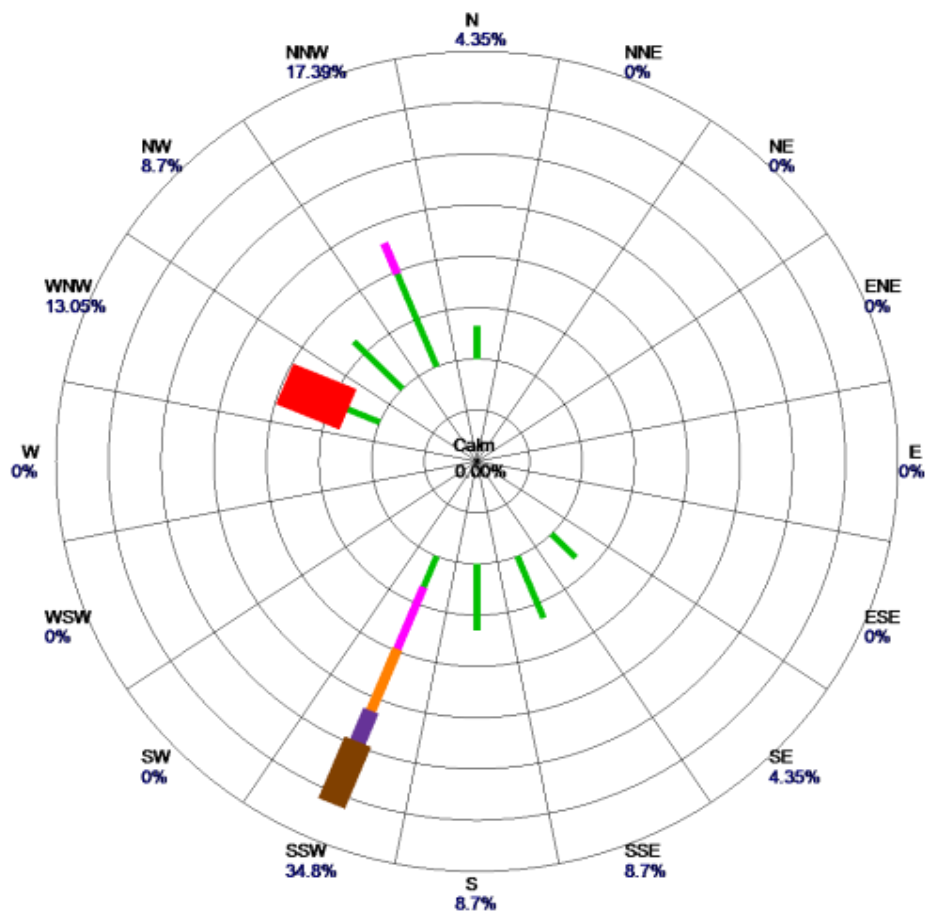
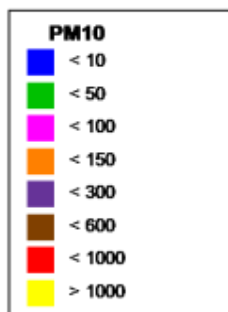
Period: 2022-10-03 00:00 - 2022-10-03 23:59

Site: Buckeye
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



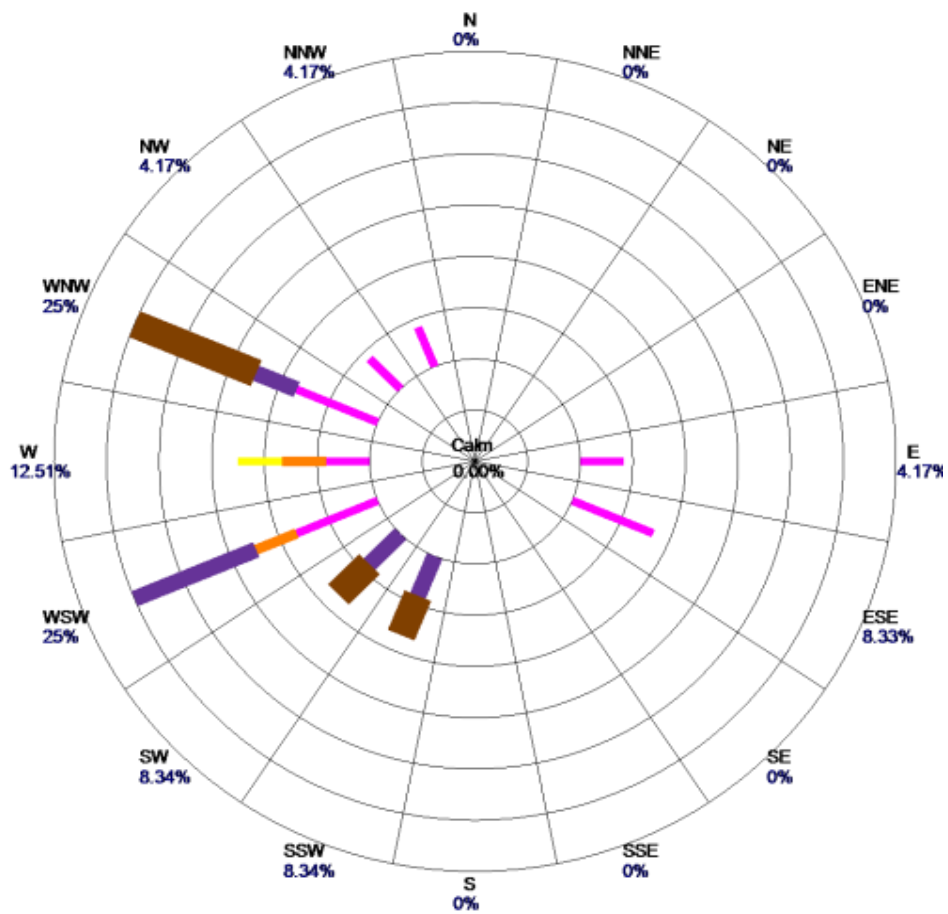
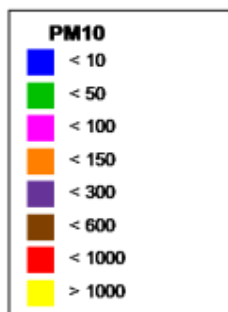
Period: 2021-10-11 00:00 - 2021-10-11 23:59

Site: Dysart
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



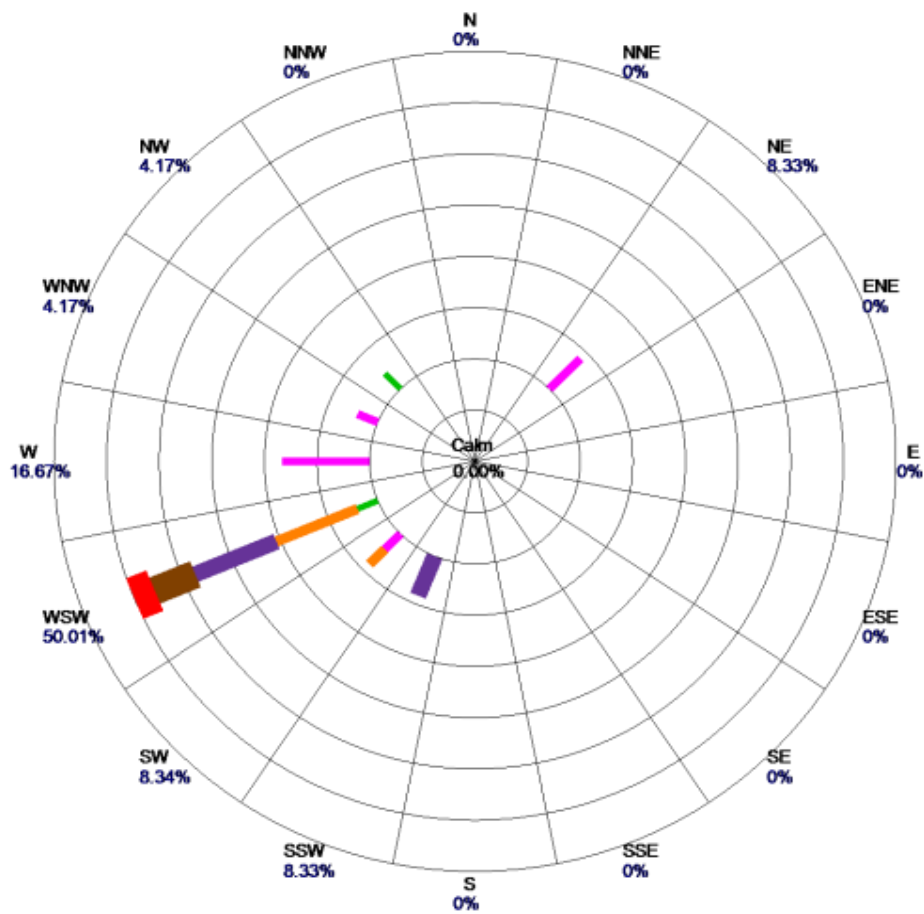
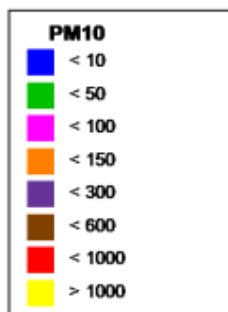
Period: 2021-10-11 00:00 - 2021-10-11 23:59

Site: Higley
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



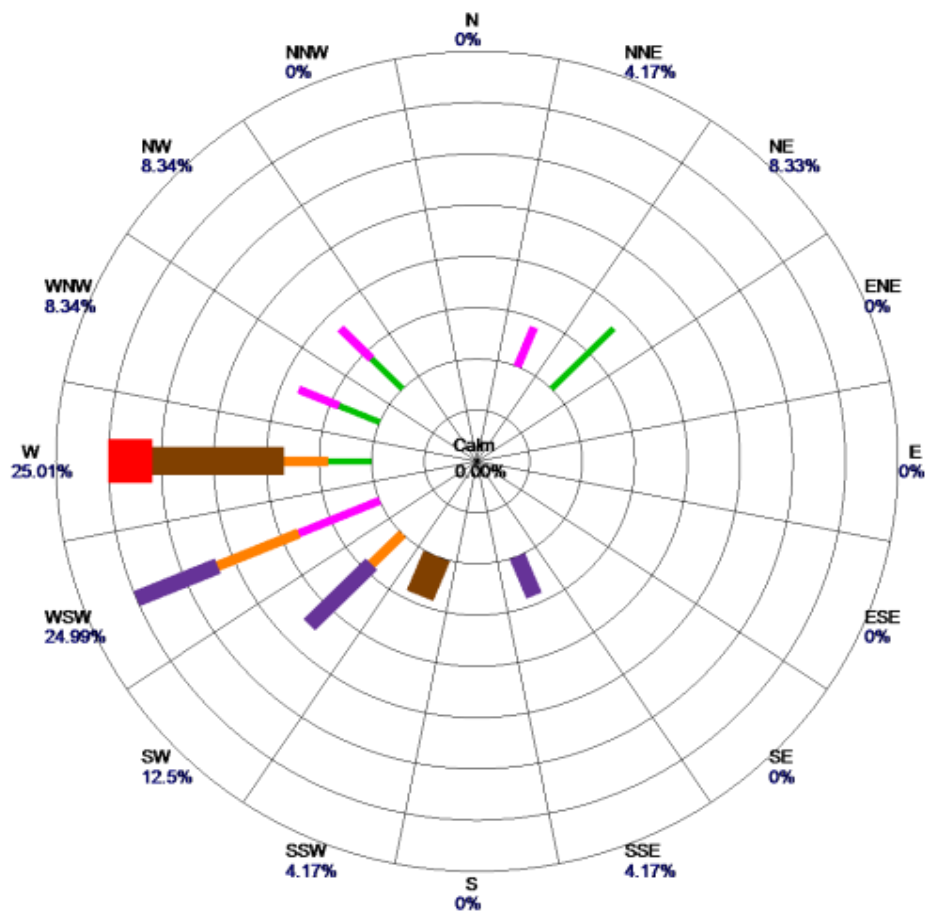
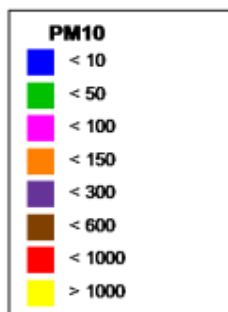
Period: 2021-10-12 00:00 - 2021-10-12 23:59

Site: South Scottsdale
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



Period: 2021-10-12 00:00 - 2021-10-12 23:59

Site: West Chandler
Parameter: PM10
Units: UG/M3
Direction: FROM Origin



Period: 2021-10-12 00:00 - 2021-10-12 23:59



Appendix D: Maricopa County Air Quality Department Planning & Analysis Division – Air Quality Monitor Data for July 20 – 21, 2023

Date	<u>Blue Point</u>	<u>Blue Point</u>	<u>Buckeye</u>	<u>Buckeye</u>	<u>Buckeye</u>	<u>Cave Creek</u>	<u>Cave Creek</u>	<u>Central Phoenix</u>	<u>Central Phoenix</u>	<u>Central Phoenix</u>
	WSMAX	WSPD	PM10	WSMAX	WSPD	WSMAX	WSPD	PM10	WSMAX	WSPD
	MPH	MPH	UG/M3	MPH	MPH	MPH	MPH	UG/M3	MPH	MPH
20-jul-2023 00:00	7,7	3,8	57,5	6,2	2,1	2,4	1,1	62	11,4	3,1
20-jul-2023 01:00	6,8	2,7	45,3	4,3	2,2	7,5	3,6	61,4	5	1,9
20-jul-2023 02:00	4,6	1,2	56	4,5	1,4	10,7	5,6	49,5	4,8	1,9
20-jul-2023 03:00	3,3	0,9	53,7	6,1	1,3	9,4	6,3	38,6	4,1	1,5
20-jul-2023 04:00	4,7	0,6	98,9	3,4	0,9	9,5	4,9	37,2	5,2	2,5
20-jul-2023 05:00	4,6	1,6	158,3	4	1,6	8,5	3,8	45,5	5,5	2,6
20-jul-2023 06:00	3,6	1	156,1	3	1,2	7,1	3,5	55,5	4,3	2,2
20-jul-2023 07:00	5	1,1	236	4,6	1,8	6,2	1,8	69,7	7,9	2,9
20-jul-2023 08:00	7,5	3	110,9	5,9	2,6	10,7	4,2	72,8	6,6	0,9
20-jul-2023 09:00	16	5	48,5	8,1	3,6	9,2	3,2	72	11,3	3,4
20-jul-2023 10:00	16,5	5,8	38,5	9,5	4,4	12,3	3,3	61,4	14,3	5,2
20-jul-2023 11:00	17	7,2	32,8	10	4,2	14,3	4	39,7	13,8	5,4
20-jul-2023 12:00	18,7	7,4	39,1	12,8	5,3	19,7	5,1	30,8	16,8	6,6
20-jul-2023 13:00	19,9	7,4	36,5	15,9	6,3	20,8	7,7	27,9	19,1	8,3
20-jul-2023 14:00	19,6	7,6	47,3	17,6	7,3	21,4	7,3	24,9	21	8,8
20-jul-2023 15:00	20,6	8,1	45,6	17,4	8,4	18,9	7,7	40,5	21,9	9,4
20-jul-2023 16:00	26,5	8,2				21,4	9	38,1	23,6	10,5
20-jul-2023 17:00	20,8	8,7		12,8	6,6	20,1	9	38,1	22,6	11
20-jul-2023 18:00	18,4	9,4	40,7	12,4	6	17,6	8	45,1	19	9,7
20-jul-2023 19:00	15,2	6,4	46,4	12,1	6,5	10,1	4,7	61,4	16,8	8,2
20-jul-2023 20:00	8,7	1,8	63,2	11,7	4,5	5,3	3	47,1	18,4	7,2
20-jul-2023 21:00	4,2	1,5	84,8	4,8	2,2	4,5	0,6	29,2	16,9	7,9
20-jul-2023 22:00	5,7	0,6	111,7	10,6	4,1	3,7	1,5	32,7	12,1	6,1
20-jul-2023 23:00	6,8	3	56	7,3	4,1	4,2	1,1	36,5	7,5	4,2
21-jul-2023 00:00	4	0,9	83,5	6,1	2,8	4,5	1,8	38,2	8,4	4,4
21-jul-2023 01:00	3,6	0,4	110	5,4	2,6	4,9	2,1	32,2	7,9	4,3
21-jul-2023 02:00	3,8	1,1	112,8	5,7	1,7	7,3	2,4	33,5	6,1	2,9
21-jul-2023 03:00	3,4	0,4	67,5	13,5	3,2	5,7	0,8	34,8	6,4	2,6
21-jul-2023 04:00	7,8	2	245,9	22,1	8	6,7	1,8	36,4	13,8	2,2
21-jul-2023 05:00	6,3	0,3	349,1	12,3	5,2	18	2,3	196,7	25,7	10,3
21-jul-2023 06:00	6,4	1,7	250,7	9,3	4,1	10,3	1	294	20,9	10,8
21-jul-2023 07:00	16,3	4	284,5	8,3	4	12,3	4,9	240,5	23,8	11
21-jul-2023 08:00	11,8	4,6	197,3	9	4,1	9,5	2,6	160,9	20,1	10,1
21-jul-2023 09:00	12,1	2,5	134,2	9,6	4,3	11,1	3,2	113,1	16,9	6,5
21-jul-2023 10:00	17	5,5	101,7	9,4	3,4	15,1	5,2	112,5	14	4,4
21-jul-2023 11:00	16,6	7,1	80,6	11,8	4,4	13,1	4	127,6	13,7	4,2
21-jul-2023 12:00	16,3	5,8	69,7	10,8	4,7	14,7	5,1	121,9	14,6	4,6
21-jul-2023 13:00	18,8	8,2	53,7	12	5,2	16,8	6,3	97,1	19,7	7,5
21-jul-2023 14:00	19,5	7,7	44,1	13,1	6,7	18,7	6,9	65,1	19,5	8,9
21-jul-2023 15:00	17,5	8	59,2	17	7,3	17,7	7,3	58,3	19	8,9
21-jul-2023 16:00	16,7	7,2	55,8	15	7,2	17,1	7,8	44,9	19,7	9,8
21-jul-2023 17:00	14	5,7	45,1	12,2	6,3	27,8	7,3	42,8	21,5	9,7
21-jul-2023 18:00	11	3,9	64,7	9,2	4,7	39	12	56,5	16,6	8,2
21-jul-2023 19:00	51,7	11,3	69	16,6	1,1	25,6	8,9	87,6	17	6,3
21-jul-2023 20:00	22,5	3,6	178	17,9	6,7	23,5	7,5	162,7	28,4	8,7
21-jul-2023 21:00	34,3	1,4	53,6	11,6	5,7	15,7	7,6	112,3	13,7	4,8
21-jul-2023 22:00	19,6	5,3	44,4	10,7	1,5	10,8	4,8	89,7	34,6	10,2
21-jul-2023 23:00	36,6	18,9	43,1	16,6	2,7	22	3,1	930,9	41,1	17,1

<u>Durango Complex</u>	<u>Durango Complex</u>	<u>Durango Complex</u>	<u>Durango Complex</u>	<u>Dysart</u>	<u>Dysart</u>	<u>Dysart</u>	<u>Eastwood</u>	<u>Eastwood</u>	<u>Eastwood</u>	<u>Fountain Hills</u>
<i>PM10</i>	<i>PM25</i>	<i>WSMAX</i>	<i>WSPD</i>	<i>PM10</i>	<i>WSMAX</i>	<i>WSPD</i>	<i>WSMAX</i>	<i>WSPD</i>	<i>PM25</i>	<i>WSMAX</i>
<i>UG/M3</i>	<i>UG/M3</i>	<i>MPH</i>	<i>MPH</i>	<i>UG/M3</i>	<i>MPH</i>	<i>MPH</i>	<i>MPH</i>	<i>MPH</i>	<i>UG/M3</i>	<i>MPH</i>
30,4	7	7,3	1,5	30,7	6,6	3,7	9,9	3	14,4	5,4
64,1	14,1	7,4	2,6	25,9	8,6	4,5	7,5	3	9,5	4,9
52,4	11,7	4,2	1,5	23,7	7,5	3,9	6,6	2,9	9,7	3,1
40,1	9,1	4,6	0,6	32,6	8	3,8	6,1	1,8	4,9	3,6
58,1	9,1	3,6	0,5	33,3	6,1	3	4,2	1,9	9	2,7
81,8	14,6	5,6	2	73,3	6,2	3	7,8	0,8	10,1	2,3
93,7	14,2	4,1	1,3	59,8	5,9	3,5	6,7	3	12,9	2,2
70,2	13,8	5,7	0,4	53,1	5	2,1	6,7	3	8,9	3,6
68	9,2	8,6	3,4	42	6,1	1,8	8,7	0,8	12,4	10,5
56,8	7,3	13,7	5,7	41,1	6,8	0,4	10,4	4,3	8,5	12,6
37,7	6,2	13,7	6,1	48,8	10	3,1	15,3	5,9	11,2	13,4
28,3	5,1	13,5	5,5	42,2	14,5	3,1	16,4	6,8	7,9	14,9
24,3	6,6	14,9	5,8	43,7	16,6	3,9	18,7	6,8	7,3	17,9
40	6,2	19,2	8,7	34,4	22,8	3,4	20,8	9,5	7,5	19,5
33,6	6,7	20,4	8,9	21,1	20,3	6,3	21,5	8,6	8,8	18,7
23,9	6,1	19,4	8,9	28,7	22,9	7,9	23	10,3	6,7	19,9
26,9	4,3	22,7	10	21,3	21,1	7,2	23,8	11,6	13,8	19,9
31	4,9	24,6	9,7	22,7	18,4	6,1	23,7	11,8	3,7	20,6
26,3	4,9	18,8	8,4	21	15,9	5,9	18,8	10,1	6,8	20,3
21,7	4,9	13,6	4,8	19,1	12,9	4,8	15,3	6,2	7,5	12,1
25,2	5,5	10,3	4,5	15,5	11,5	5,8	9,6	5	6,1	9,7
28,2	5,8	11,4	5,5	18,7	11,3	6,2	11,3	5,1	7,2	7,1
27,5	9,6	11,6	6,2	18,7	10,1	6,2	8,4	4,4	10,8	6,8
20,6	6	9,9	4,7	16,9	11,7	6,3	9	4	10,1	6,7
16,2	5,1	4,6	1,9	26,2	11,1	3,2	9,4	3,6	9	4,5
20	8,4	5,6	2,7	18,7	4,7	2,1	6,9	3,3	3,1	3,5
16,3	7,5	5,8	2,9	19,9	5,1	2,2	6,6	2,8	1,9	5,8
20,4	7,4	3,2	0,4	17,3	7,6	3,5	7,8	1,5	3,5	5,5
50,5	10,4	15,7	3,5	63,8	16,2	3,8	13,7	0,8	9,1	5,8
154,3	10,4	26,3	13	489,6	21,6	10	17,2	7,9	13,5	11
245,4	21,1	28,8	12,1	374,9	16,9	2,7	20,6	10	20,6	9,7
199,1	27,2	21	9,9	309,7	10,8	4,1	19,3	9,4	26	11,3
126,4	15,1	17,6	9,3	269,4	11,3	4,1	18,8	9,8	24,2	10,5
94,8	12,1	15,8	7,6	240,5	13,2	5,5	12,2	5,1	21,3	9,2
86,8	9,9	12,5	4,1	205,4	13,7	5,2	11,4	1,2	18,2	14,6
87	11,9	11,6	3,6	170,5	13,9	4,7	10,6	1,6	15,4	13,7
85,3	14,8	12	3,1	155,2	14,1	4,1	13,1	3,7	20,4	20,9
66,5	12,8	17,1	6,9	139,1	16,2	6	14,5	6	25,7	19,3
48,1	7,8	18,6	8,5	94,9	19,5	7,3	18	8,6	19,5	21,2
42,2	8,2	19	9,8	53,3	16,6	3,4	20,1	9,4	10	17,4
31,2	8,2	21,5	10,4	44,2	16,5	6,3	19	10,8	10	20,1
22,7	4,8	21	9,4	41,1	14,1	4,5	19,8	10,9	6,7	17,4
33,7	7,3	14,9	7,4	185	33,8	8,8	15,8	8,5	2,8	12,4
46,1	7,1	22,5	4,7	55,9	24,7	9,8	19	5,9	5,9	28
70,3	6,1	21,8	4,3	17,5	16,8	6,9	26,6	7,9	10,3	26,1
164,2	16,2	14,7	6,1	25,3	14	3	12,3	6,7	12,9	41,5
69,2	9,2	33,9	8,4	50,6	4,8	0,5	36,4	5,9	16,4	12,7
679,4	38,1	34,2	13,2	307,1	23,4	7,1	31,3	4,5	33,1	24,2

<u>Fountain Hills</u>	<u>Glendale</u>	<u>Glendale</u>	<u>Glendale</u>	<u>Glendale</u>	<u>Higley</u>	<u>Higley</u>	<u>Higley</u>	<u>Mesa</u>	<u>Mesa</u>	<u>Mesa</u>
WSPD	PM10	PM25	WSMAX	WSPD	PM10	WSMAX	WSPD	PM10	WSMAX	WSPD
MPH	UG/M3	UG/M3	MPH	MPH	UG/M3	MPH	MPH	UG/M3	MPH	MPH
1,8	20,5	6,1	6,2	1,4	40,3	9,6	5,3	39,4	9,2	3,9
1,7	25,9	8,4	4,9	1,2	38,5	8,2	4,6	23,8	9,7	3,7
1,4	21,7	7,6	2,6	0,7	77,1	6,6	4,1	18,2	6,1	2,7
1,2	26,3	8,2	3,8	0,6	57,6	5,4	2,2	17,6	4,2	1
0,4	31,8	9,5	4,7	2	46,3	6,7	3,8	18,7	5,5	1,1
0,6	22,4	5,8	3,8	1,3	109,3	6,7	3,5	30,1	5,4	2,1
0,4	26,4	8,6	4	2	114,6	8,2	3,8	42,8	8,2	3,9
0,4	43,9	8,3	5,4	1,9	106,7	7,8	3,7	52,2	8,4	3,9
2,1	45,8	8,8	4,5	0,8	75,1	6,6	2,8	53,8	6,8	3
3,9	41,3	9,1	8	2,2	59,3	6,3	2,2	36,6	7,6	1,6
4,8	42,8	8,5	12,5	4,3	38,3	10,4	2,1	30,2	10,8	3,5
5,6	46,3	6,2	16,7	4,5	34,5	14,1	4,7	37,3	13,6	4,4
6,8	28,1	6,4	17	5,4	41,9	13,9	4,4	33,2	19,2	5
6,2	30,4	9,5	17,6	7,1	31,7	19	5,6	24,1	18,6	5,9
5,9	26,5	7,7	19,7	8,4	21	18,8	6,9	21,8	20	6,7
6,6	23,1	4,9	24,9	9,7	28,2	19,5	7,4	20,5	19,6	8,4
6,1	18,1	3,5	25,1	9,2	28,7	20,3	9,5	15,7	21	8,2
7,3	14,5	3,7	20,6	10,2	31,8	24,6	10	18,7	19,7	7,5
7	11,3	3,8	17,6	8,3	29,8	20,2	9,8	19,7	18,7	6,1
5,2	11,6	3,2	13,3	6,2	26,5	12,8	5,3	15	12,8	4,1
3,8	18,3	4,8	9,9	4,8	31,8	7,8	2,7	12,8	7,9	2,4
1,6	23,7	8,4	6	3,1	38,6	5,9	3,3	18	6,9	2,1
2,1	24,3	8,3	4,1	2	51	6	3,5	14,7	7,5	2,6
0,5	19,1	7,1	4,7	2	51,6	6,2	2,3	14,9	9,5	3,9
1,8	19,1	7,3	4,5	2,8	70	3,9	1,5	23	7,5	2
0,5	23	8,7	4,4	2,1	67,9	4,5	1,9	22,4	2,5	0,5
2	22	7	4,5	2	57,5	11,3	2	28,6	4,3	0,5
1,4	15,6	5,4	4	2	54,5	6,6	2,8	33	7,9	2,2
0,6	15,7	5	25,1	6,1	71,5	9	3,4	30,5	12,7	3
3,5	186,6	16,8	27,8	15,2	82,7	6,3	0,6	29,5	7,4	3,3
1,5	299,3	33,4	23	10,5	104,9	13	2,7	57,7	17,2	5,9
3,7	221,1	31	20,4	8,9	201,1	13,1	5,9	152	19	7,2
2,9	197,9	32	14,7	7,7	217,1	11,4	3,6	147	18	7,5
1,8	164,1	28	14,2	5,9	162,3	9,2	2,9	115,6	15,9	6
3,4	107,9	18,8	12,8	5,6	135,9	9,4	2	105,9	10	3
5,5	85,4	16,9	14,2	6,3	120,6	7,4	1,3	88,7	9,8	2,1
7	68,9	13,6	13,8	6,1	116,6	16,4	3,6	83,3	12	3,4
7,6	74	14,4	16,4	6,7	105,8	15	4,6	87,4	13,7	3,3
7,6	82,7	14,7	17	8,3	103,7	16	4,9	76,4	15,9	5,4
6,9	63,3	10,6	20,1	9,4	97,2	18,2	6,4	53,6	18,4	6,7
5,9	45,4	7,6	20,8	11	54,7	17,5	6,7	39,8	19	7,3
5,6	38,7	7,2	18,8	10	32,2	17,7	7	29,5	17,4	6,7
3,7	42,8	10,5	27,3	3,5	38	13,8	5,1	24	12,5	5,3
6,2	78,6	8,3	21	8,7	46,3	6,4	2,4	28,7	10,1	3,9
3,1	22,8	4,1	14,8	6	85,3	14,3	5,5	51,9	25,5	6,3
4,6	37,1	5,1	14,8	4,4	91,1	14,4	4,7	50,1	12,4	4,5
3,5	39,6	8,7	7,7	3	355,1	33,9	10	42,6	37,2	11,1
6,4	264,6	24,1	31,3	14,7	279,9	24,1	10,5	223,9	28,6	11,4

<u>Mesa</u>	<u>North Phoenix</u>	<u>North Phoenix</u>	<u>North Phoenix</u>	<u>North Phoenix</u>	<u>Pinnacle Peak</u>	<u>Pinnacle Peak</u>	<u>South Phoenix</u>	<u>South Phoenix</u>	<u>South Phoenix</u>	<u>South Phoenix</u>
<i>PM25</i>	<i>PM10</i>	<i>PM25</i>	<i>WSMAX</i>	<i>WSPD</i>	<i>WSMAX</i>	<i>WSPD</i>	<i>PM10</i>	<i>PM25</i>	<i>WSMAX</i>	<i>WSPD</i>
<i>UG/M3</i>	<i>UG/M3</i>	<i>UG/M3</i>	<i>MPH</i>	<i>MPH</i>	<i>MPH</i>	<i>MPH</i>	<i>UG/M3</i>	<i>UG/M3</i>	<i>MPH</i>	<i>MPH</i>
5,2			3,2	1	4,5	1,2	28,8	7,1	11,2	2,7
4			3,3	1,1	4,6	1,1	37,6	7,6	6,2	2,5
4,5			2,4	0,1	7,5	2,5	39,8	7,1	4,1	1,2
5,4			1,8	0,1	6,2	2,9	41,1	7,2	2,2	0,5
7,1			3,3	1	5,3	3,4	56,2	10,3	2,8	0,2
6,5			2,7	0,8	7,6	2,7	85,3	13,1	3,2	0,6
8,5			3,4	0,9	7,7	3,2	111,3	16,9	5,3	1,2
9,9			8,9	3	10,4	3,5	90,3	13,4	6,6	2,7
12,9			9,4	4,1	9,1	4,2			7,9	1
9,2			10	3,5	12,4	5,3			11,3	4,9
7,3			9,7	2,7	13,2	4,5			12,1	5,3
6,7			11,8	3,2	12,2	4,3	31,5	5,5	12,8	5,3
12,3			14,3	4,7	15,7	4,8	26,6	6,2	16,1	5,8
8,4			16,6	5,5	20,7	6,1	26,2	6	19,2	7,6
6,9			14,3	4,6	20,6	7,3	24,1	5,1	19	7,4
6,1			20,2	5,7	20	7,4	22,8	3,1	21,6	9,3
4,1			16,6	5,5	22,9	7	30,7	4,1	21,7	9,6
5,1			19,3	6,5	19,4	7,3	25,7	3,8	19,8	9
5,7			14,5	4,9	14,5	5,4	26,8	5,7	19,6	8
4,5			9,4	3,5	12,7	4,2	22,8	5,9	12	4,4
3,3			6,3	2,1	8,5	3,5	24	4,5	6,5	2,8
8,4			5	0,6	7,1	1,1	22,6	5,5	7,1	3,5
6,1			4,4	1,4	3,1	1,4	17,8	4,2	5,9	2,4
5,6			2,1	0,5	4,4	2,6	23,1	6,3	3,5	1
8,2			2,1	0,3	4,7	3,5	22,6	6	3,5	0,4
7,3			2,3	0,4	5,9	3,2	19,4	4,9	5,8	2
8,7			1,9	0,2	7,1	3,5	25,1	6,3	5,7	2,4
12			5,5	1,4	11,6	4,1	24,1	6,6	3	0,2
9,4			16,1	3,7	10,5	4,2	36,1	8,5	10,6	0,4
7			15,7	4,4	23,2	6,2	76,9	11,8	15,1	6,8
9			19,8	5,7	11,7	3,9	184,7	17,9	17,5	8,2
21,2			12,8	4,3	10,7	4,2	203,6	24,1	20,6	10,2
24,1			10,9	4,4	12,1	4,1	149,7	20,8	17,2	9
19,4			10,4	3,3	11,2	3,5	102,7	15,9	15,5	4,5
19,5			11,9	3,5	12,8	4,4	91,3	14,7	13,9	3,5
16,7			11,4	3,7	12,2	4,4	94,4	14,3	11,5	2
15,9			12,6	3,9	13,9	4,6	89,3	13,8	12,2	3,4
15,2			13,1	4,5	14,7	6	71,8	10,7	14,5	5
15,1			14,9	5,3	17	6,4	54,6	8,8	18,5	7,8
12			12,4	4,7	18,4	6,6	33,6	-1	20	8,3
9,1			15,7	5,5	16,8	6,2	37,3	4,5	20,5	8,6
5,9			15,4	5,2	16,4	5,5	28,9	4,4	17,5	9
6,8			20,4	4	19,1	5,2	27,5	4,3	15,4	7,2
9,4			20,7	7,4	18,6	7,4	41,3	7,7	15,2	4,6
11,6			23,6	8,3	33,2	12,4	82,2	9,3	23,8	6
10,9			15,5	6,3	21,4	6,4	166,6	14,6	9	4
11,4			26,2	5,9	12,9	3,6	73,2	10,7	36	9,1
24,1			30,5	9,2	24,7	5,3	581,1	43,8	33,1	14,1

<u>South Scottsdale</u>	<u>South Scottsdale</u>	<u>South Scottsdale</u>	<u>Tempe</u>	<u>Tempe</u>	<u>Tempe</u>	<u>Tempe</u>	<u>Thirty-Third</u>	<u>Thirty-Third</u>	<u>West 43rd Ave</u>	<u>West 43rd Ave</u>
<i>PM10</i>	<i>WSMAX</i>	<i>WSPD</i>	<i>PM10</i>	<i>PM25</i>	<i>WSMAX</i>	<i>WSPD</i>	<i>WSMAX</i>	<i>WSPD</i>	<i>PM10</i>	<i>WSMAX</i>
<i>UG/M3</i>	<i>MPH</i>	<i>MPH</i>	<i>UG/M3</i>	<i>UG/M3</i>	<i>MPH</i>	<i>MPH</i>	<i>MPH</i>	<i>MPH</i>	<i>UG/M3</i>	<i>MPH</i>
66,2	7,9	2,2	41,8	7,4	7,4	1,5	4,5	0,6	61,9	8,2
50,8	6,8	1,4	38,8	7,8	4,1	0,4	4,8	0,6	91,9	5,8
32,4	2,5	0,5	24,2	7	1,7	0,1	2,6	0,5	85,5	4,6
33	3,2	1,2	15,6	4,1	2,4	0,2	5	0,6	97,7	5,5
33,4	3,8	1,5	13,2	4,3	2,7	0,8	7,6	1,9	102,9	4,9
39,9	4,3	1,7	25,6	8,4	3,1	1,4	8,1	2,8	191,9	3,8
56,2	5,2	2,3	37,8	10,2	4,4	1,6	8,4	2,1	236,2	5,4
69,5	7,6	3,1	39,7	10,3	5,6	2	7,4	2	112	6,2
60,9	7,5	2,9	38,5	6,9	5,2	1,2	8,3	2,6	97,1	10,2
41	8,9	2,9	36,2	8,2	7,7	1,1	13	3,1	120,4	14,3
51,6	10,8	3,5	37,4	9,6	10,1	2,6	13,8	5,8	90,3	14,3
46,3	14,7	5,1	53,7	10	12,7	3,5	13,6	4	49,8	14,3
37,3	16,6	5,2	30,2	4,9	15,8	3,7	14	3,8	33,9	17,7
27,4	16,8	6,8	25,5	7,1	14	4	16,5	4,6	58,3	21,9
23,7	21,1	8,3	22	7,6	17,6	4,6	19,4	5,1	57,1	20,7
30,9	19,2	7,9	22	9,6	15,6	4,8	17,7	5,2	88,7	23,8
31,7	23	8,3	19,4	3,7	16,7	5	19,9	5,7	109,2	24
31	21,4	9,6	23,3	8,7	17,6	4,9	17,9	5,8	77,8	22,2
31,3	19,4	8,6	26,2	4,6	16,6	4,4	15,7	4,7	42,3	19,2
35	13,4	6,6	23,2	3,4	12,2	3	9,9	3,2	67,3	13,7
35,8	12,6	4,9	38,5	4,6	6,7	1,9	9,4	2,8	184,2	10,9
29,6	13,6	5	19,8	5,9	7,5	1,8	6,8	2,2	69,5	12,5
27,6	7,5	4,3	16,3	6,3	6,1	1,6	7,8	1,9	39	8,4
33,3	7,6	4,5	15	5,2	5	1,2	7	2,5	48,4	9,2
37,6	8,7	5	21,4	6,9	4,1	1,2	6,9	2,9	45,9	4
31,8	7,9	4,4	23,1	10	1,5	0	5,6	2,3	52,5	5,6
32,6	6,2	1,1	24,8	11,9	2,7	0,3	6,6	2,2	67,4	4,6
54	10,2	1,6	21,6	9,1	5,3	0,9	7,8	3	67,6	6,2
57,6	11,2	1	28,9	10,1	6,5	0,8	20,5	3,7	187,9	22,6
71,8	17,6	4,6	31	8,2	8,2	2,5	18,4	5	401,4	25,1
255,6	17,1	4,9	104,6	15,3	16,4	4	17,8	5,6	418,1	27,3
250,8	17,1	7,5	165,4	21,7	18,6	6,1	17,9	6,5	264,7	21,1
206,8	16,9	6,7	132,2	22,8	15,8	5,2	16,6	5,1	168,5	20,7
190,7	12,8	5,3	96,2	17,8	11,1	3,7	15,6	5,3	127,5	19,9
137,6	13,1	3,7	85,5	17,1	9,2	1,4	13,5	4,7	135	14,8
107,9	14,3	4,4	95	18,1	8,9	1,7	12	3,2	129,2	13,7
109,4	14,4	4,8	97,9	17,5	10,9	1,9	14,3	4,2	124,5	15,3
107,6	15,6	6	86,1	14,1	12,7	2,3	15,4	4,6	104,2	16,3
78,7	18,1	7,2	70	15,5	13,4	3,9	15	4,5	87,5	20,9
67,5	19,7	7,6	58	8,8	18,3	4,5	16	4,7	69,5	20,5
54,3	17,2	7,3	38,6	2,8	15,7	4,5	15,2	5,1	60,3	22,3
51,7	19,4	7,6	33,6	5,3	14	4,3	16,3	4,8	50,5	19,8
56,5	15,9	6,1	26,6	7,1	9,5	3,3	19,9	3,9	50,2	15,9
68,5	10,7	3,6	32,2	7,3	9	2,3	17,2	4,9	63,9	20,3
289,5	27,8	8,7	75,5	10,9	18,6	3,8	27	6,4	118,6	23,5
88,8	12,1	4	84,4	12,3	9,8	2,9	14,2	5,7	225,1	14,6
208	43,4	11,6	39,7	8,3	34,7	6,9	25,2	2,9	164	36,8
654,3	35,6	14,6	308	26,3	31,5	10,7	28,5	8	2022,6	40,1

<u>West 43rd Ave</u>	<u>West Chandler</u>	<u>West Chandler</u>	<u>West Chandler</u>	<u>West Phoenix</u>	<u>West Phoenix</u>	<u>West Phoenix</u>	<u>West Phoenix</u>	<u>Zuni Hills</u>	<u>Zuni Hills</u>	<u>Zuni Hills</u>
WSPD	PM10	WSMAX	WSPD	PM10	PM25	WSMAX	WSPD	PM10	WSMAX	WSPD
MPH	UG/M3	MPH	MPH	UG/M3	UG/M3	MPH	MPH	UG/M3	MPH	MPH
2	43,1	7	3,5	18,4	7,7	4,1	0,9	50,3	5,1	1,4
2,5	42,8	6,2	2,9	21,1	6,7	4,2	1,6	22,1	4,7	2,4
1,7	28,3	5,3	1,9	28,7	9	3,7	1,3	31	4,9	1,5
1,5	29,2	3,2	1	39,6	13,3	3,6	0,9	61,9	5,2	3,2
2,4	39,8	4,8	1	48,4	18,4	4,4	1,7	45,9	7,7	3,8
1,9	40,5	4,3	1,4	37,9	11,7	4,8	1,7	75,9	6,1	2,9
1,9	42,9	4,6	2,5	49,6	12,7	3,5	0,7	106,4	8,3	4,5
1,1	60,8	8	2,7	43,2	11,1	8,2	2,8	35,8	9,4	4,1
4,7	72,9	8,7	1,9	32	9,3	9,6	4	48,1	7,3	3,3
6,8	50,8	6,3	0,9	32,4	7,4	10,2	4,3	57,5	8,6	2,6
6,4	91	10,4	2,4	29,5	8	12,2	4,9	37,3	10,9	2,3
6,2	43	15,4	3	23,3	6,9	12,8	4,8	38,3	16,5	5,6
6,8	36,2	15	3,5	16,7	5,5	17,7	5,2	39	17,5	6,2
8,6	30,5	13,8	2,9	20,3	6,1	24,5	8	41,9	20,1	5,2
10,6	25,1	15,2	3,8	17,8	4,6	18,4	7	31,3	21,7	9,5
12,4	27,6	21,2	6,5	14,5	3,5	19,2	7,4	25,1	21,8	8,9
12,7	27,7	21,4	7,2	21,1	4,7	21,3	8,8	16,5	22,1	9,4
12,9	27,3	22,7	7,4	28	5,6	20,6	9,7	23,3	21,1	9,6
10,7	27,5	19,6	6,5	20	4,3	19	8,2	18,1	19,1	8,6
6,9	32,3	14,3	5,3	17	5,7	16	6,1	13	16,4	7,1
6,2	34,5	6,8	3,3	18,2	5,8	12,5	5,7	6,6	10,2	5,9
6,4	36,4	6,1	3,3	21,8	7,2	10,3	4,5	34,4	8,6	5,4
4,8	33,9	9,2	4,4	27,1	7,2	7,1	3,5	36,2	10	5,7
4	31,6	7,1	2,9	27,8	6,5	6,5	2,8	19,5	7,7	1,8
1,1	33	3,9	0,8	21,6	6,2	7,1	3,6	14,1	5,9	2
2,7	31,8	4,4	1,2	16,1	5,6	7	3,4	25,8	3,8	0,1
2,1	43,7	4,6	0,6	14,1	5,8	6,1	2,9	22,1	6,7	2,5
2,5	37	9,1	3,4	11,8	2,8	6,4	3	24,4	6,7	3,6
5,7	51,7	15,6	2,3	20,6	4,5	16,6	5	52,4	22,4	1,8
14,2	117,6	7,5	0,2	135,1	13,6	21,6	9,6	140,6	11,4	1,3
14,3	122,3	11,8	5	233	24,9	24	10,2	283,4	7,9	1,8
13,5	152,4	13,3	5,6	175,3	23,6	18,4	8,3	294,6	20,1	8,8
12,4	192	9	2,9	121,8	22,7	14,5	6,9	272,2	14,7	3,7
8,1	157,4	7,7	1,1	86,1	16,2	16	7,1	242	14	6,7
5,3	148,4	9,7	0,7	70,5	13,7	15,5	6,5	196,3	15,2	6,6
3,2	127,1	8,1	1,2	67,2	12,6	12,8	4,7	172,1	14,3	5,8
2,5	123,7	9,3	1,5	54	10,9	14,8	4,8	153,7	13,8	5
7,8	122	11,1	1,7	49,2	9	16,1	6,7	155	13,7	4,4
10,6	107,6	13,6	3,7	52,1	11	16,8	7	112,3	18,8	7,1
11,1	85,1	15,1	3,8	48,5	10,9	17,4	7,8	40,6	18,4	6,5
12,9	38,7	15,7	5,7	36,2	6,1	19,2	8,3	60,5	19	8,3
11,2	37,4	21,7	6,4	34,9	7,5	18,8	9	43	14,8	7,6
8,9	29,3	13,4	4,9	33,9	8	20,3	6,8	314,6	33,9	12,4
7,2	37,6	9,1	3	46,4	6,3	23,4	5,2	52	30	13,5
7,4	66,8	17,5	2,8	52,5	4,8	24,6	6,7	14,7	19	6,6
7,2	88,6	9,1	4,2	110,2	8,7	13,4	5	43	11,5	4,5
8,9	414,2	28,8	7	39,8	9,7	28,9	5,6	41,1	9,2	1,4
18,1	423	27	11,1	468,6	34,9	32,8	13,8	241,7	22,5	5,1