



CALIFORNIA
AIR RESOURCES BOARD

AQview Status Update

Actualización del Estado de AQview

Fresno AB617 Air Monitoring/Outreach Subcommittee Meeting
Reunión del Subcomité de Monitoreo del Aire/Alcance

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About AQview

Sobre AQview

- Primary goal is to provide access to community data
- Communities can freely upload data to AQview
- More datasets will be added over time
- El objetivo principal es facilitar el acceso a los datos comunitarios
- Las comunidades pueden cargar los datos libremente en AQview
- Se añadirán más datos con tiempo

Current AQview Features

Características Actuales de AQview

Multiple Data Sets / Múltiples Conjuntos de Datos	✓
Data Download / Descarga de Datos	✓
Quality Control / Control de Calidad	✓
Historic Data Access / Acceso a Datos Históricos	✓
Map / Mapa	⊙
Graphs / Gráficas	⊙
Data Analysis & Summaries / Análisis y Resúmenes de Datos	⊙

✓ Current Feature / Característica Actual

⊙ Future Feature / Futura Característica

Download Tool Demo

Descargar Demostración de la Herramienta

<https://aqview.arb.ca.gov/data.html>

ACCESS DATA

Air quality data available for download below are primarily from AB 617 air quality monitoring sites. As AQview continues to expand, monitoring data from a larger variety of sources will be made available here. For technical details about the data available, please review the [Data Download Explainer](#). Further information regarding the types of pollutants measured in each community can be found on our [Pollutants in AQview](#) page.

Download Air Quality Data

Select One Primary Filter Clear Selection

County: Community: Data Provider:

Select Parameters and Dates

Parameters (ctrl+click to select mutiple):

Starting Date: Ending Date:

Number of Records Selected
Subhourly: 0
Hourly: **76,247**

Note: Records selected for download must not exceed 500,000. Large downloads may take several minutes to complete.

Download

Enlace a la explicación de la descarga de datos

Note:
Spanish version will be available in the future.

Nota:
La versión en español estará disponible en el futuro.

Disclaimer: This download tool only provides preliminary data that have not been verified or extensively quality assured. These data should not be used for any official purposes.

Download Tool Demo (continued)

Descargar Demostración de la Herramienta (continúa)

Seleccione un Filtro Primario (Condado, Comunidad, o Proveedor de Datos)

Select One Primary Filter Clear Selection

County:

Community:
Select a Community...
East Los Angeles, Boyle Heights
Muscoy, San Bernardino
Portside Neighborhoods
Shafter
South Central Fresno
South Sacramento, Florin
Wilmington, West Long Beach, Carson

Data Provider:

Select Parameters and Dates

Parameters (ctrl+click to select mutiple)

Number of Records Selected

Subhourly

Hourly

Note: Records selected for download must not exceed 500,000. Large downloads may take several minutes to complete.

Download

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Download Tool Demo (continued)

Descargar Demostración de la Herramienta (continúa)

Seleccionar
Parámetros
y Fechas

Parámetros
(ctrl + clic para
seleccionar varios)

The screenshot displays a web-based interface for downloading data. It is divided into several sections:

- Select One Primary Filter:** This section contains three dropdown menus: "County" (with "Select a County..." selected), "Community" (with "South Central Fresno" selected), and "Data Provider" (with "Select a Data Provider..." selected). A "Clear Selection" button is located in the top right corner of this section.
- Select Parameters and Dates:** This section includes:
 - A "Parameters (ctrl+click to select mutiple)" list box containing "PM2.5".
 - "Starting Date" and "Ending Date" dropdown menus, both set to "March 2019".
 - A summary box titled "Number of Records Selected" showing "Subhourly" with a count of "0" and "Hourly" with a count of "207".
- Note:** A text note at the bottom states: "Note: Records selected for download must not exceed 500,000. Large downloads may take several minutes to complete."
- Download:** A large blue button labeled "Download" is centered at the bottom of the interface.

Disclaimer: This download tool only provides preliminary data that have not been verified or extensively quality assured. These data should not be used for any official purposes.

Download Tool Demo (continued)

Descargar Demostración de la Herramienta (continúa)

Fecha de Inicio

Fecha de Finalización

Número de Registros Seleccionados:
Subhorario y Por Hora

The screenshot shows a web-based interface for downloading data. It is divided into several sections:

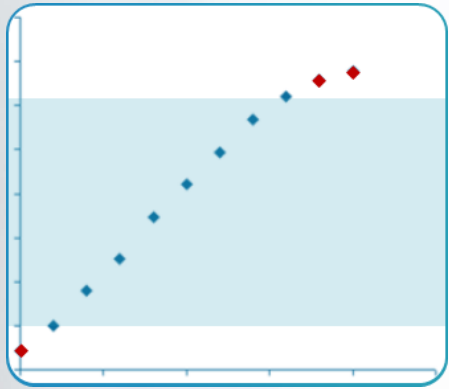
- Select One Primary Filter:** Contains three dropdown menus: "County" (set to "Select a County..."), "Community" (set to "South Central Fresno"), and "Data Provider" (set to "Select a Data Provider..."). A "Clear Selection" button is in the top right.
- Select Parameters and Dates:** Contains a "Parameters" list with "PM2.5" selected, a "Starting Date" dropdown (set to "March 2019"), and an "Ending Date" dropdown (set to "October 2021").
- Number of Records Selected:** A box showing "Subhourly 0" and "Hourly 76,247".
- Note:** "Records selected for download must not exceed 500,000. Large downloads may take several minutes to complete."
- Download:** A large blue button at the bottom.

Annotations with blue arrows point to the "Starting Date" dropdown (labeled "Fecha de Inicio"), the "Ending Date" dropdown (labeled "Fecha de Finalización"), the "Number of Records Selected" box (labeled "Número de Registros Seleccionados: Subhorario y Por Hora"), and the "Download" button (labeled "Descargar los datos").

Disclaimer: This download tool only provides preliminary data that have not been verified or extensively quality assured. These data should not be used for any official purposes.

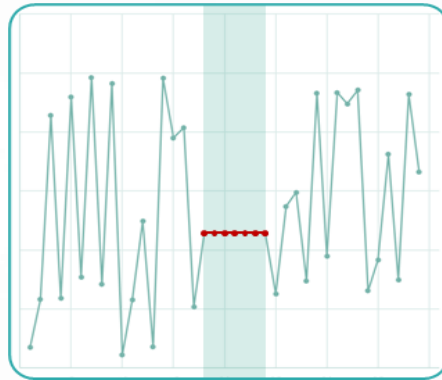
Quality Control (QC) Checks

Comprobaciones de Control de Calidad (CC)



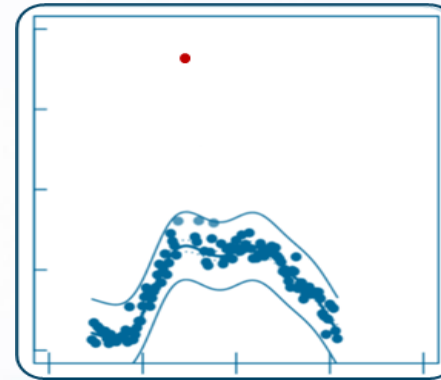
Lower & Upper
Measurement
Limit Tests

Pruebas de Límites
de Medición
Inferior y Superior



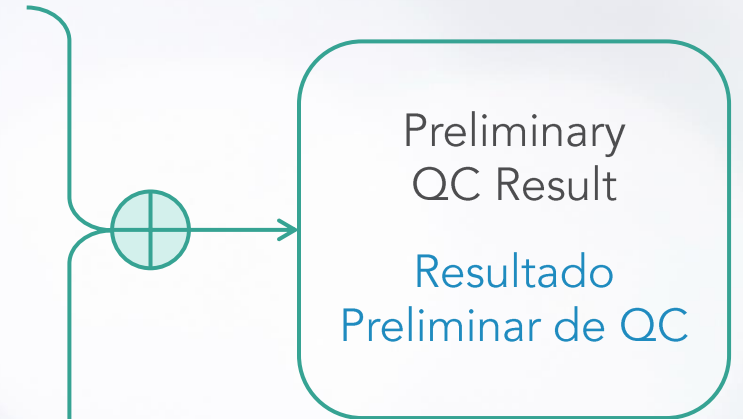
Repeating
Value Test

Prueba de
Valor Repetido



Spike Test

Prueba de
Puntas



If any of the tests fail, the
Preliminary QC Result is
marked as "Suspect".

Si no se supera alguna de
las pruebas, el Resultado
Preliminar de CC se marca
como "Sospechoso".

Download File Fields

Campos del Archivo de Descarga

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	County	Community	DataProvider	Site	Latitude	Longitude	Elevation	Instrument	MonitorId	ParameterId	Parameter	MeasurementStartTime	MeasuredValue
2	Fresno	South Central Fresno	San Joaquin Valley Unified APCD	Bitwise Downtown	36.7321	-119.7858	99	Met One BAM 1022	BAM 1022	88101	PM2.5 - Local Conditions	8/8/2019 19:00	11
3	Fresno	South Central Fresno	San Joaquin Valley Unified APCD	Bitwise Downtown	36.7321	-119.7858	99	Met One BAM 1022	BAM 1022	88101	PM2.5 - Local Conditions	8/8/2019 20:00	6
	M	N	O	P	Q	R	S	T	U	V	W	X	
1	MeasuredValue	AdjustedValue	Units	AdjustmentDesc	DataProviderFlag	LowerLimitCheck	UpperLimitCheck	RepeatingValueCheck	SpikeCheck	PreliminaryQCResult	VerifiedByProvider	LastUpdateDate	
2	11		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		
3	6		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		
4	7		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		
5	5		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		
6	3		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		
7	3		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		

Quality Control Check Results

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Condado	Comunidad	Proveedor de Datos	Sitio	Latitud	Longitud	Elevación	Instrumento	Id del Monitor	Id del Parámetro	Parámetro	Hora de Inicio de la Medición	Valor Medido
2	Fresno	South Central Fresno	San Joaquin Valley Unified APCD	Bitwise Downtown	36.7321	-119.7858	99	Met One BAM 1022	BAM 1022	88101	PM2.5 - Local Conditions	8/8/2019 19:00	11
3	Fresno	South Central Fresno	San Joaquin Valley Unified APCD	Bitwise Downtown	36.7321	-119.7858	99	Met One BAM 1022	BAM 1022	88101	PM2.5 - Local Conditions	8/8/2019 20:00	6
4	Fresno	South Central Fresno	San Joaquin Valley Unified APCD	Bitwise Downtown	36.7321	-119.7858	99	Met One BAM 1022	BAM 1022	88101	PM2.5 - Local Conditions	8/8/2019 21:00	7
5	Fresno	South Central Fresno	San Joaquin Valley Unified APCD	Bitwise Downtown	36.7321	-119.7858	99	Met One BAM 1022	BAM 1022	88101	PM2.5 - Local Conditions	8/8/2019 22:00	5
6	Fresno	South Central Fresno	San Joaquin Valley Unified APCD	Bitwise Downtown	36.7321	-119.7858	99	Met One BAM 1022	BAM 1022	88101	PM2.5 - Local Conditions	8/8/2019 23:00	3
	M	N	O	P	Q	R	S	T	U	V	W	X	
1	Valor Medido	Valor Ajustado	Unidades	Desc. del Ajuste	Bandera del Proveedor de Datos	Prueba de Limite Inferior	Prueba de Limite Superior	Prueba de Valor de Repetición	Prueba de Puntas	Resultado Preliminar de QC	Verificado por el Proveedor	Fecha de la Última Actualización	
2	11		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		
3	6		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		
4	7		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		
5	5		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		
6	3		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		
7	3		ug/m3 (LC)			Pass	Pass	Pass	Pass	Passed all checks	No		

Resultados del Control de Calidad

Next Steps

Próximos Pasos

- Migrate AQview system to AWS Cloud
 - Build visualization tools
 - Continue adding data from more sources
 - Community-specific data analysis and summaries
- Migrar el sistema AQview a la nube de AWS
 - Construir herramientas de visualización
 - Seguir añadiendo datos de más fuentes
 - Análisis y resúmenes de datos específicos de la comunidad

AQview Team

Equipo AQview



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Visit / Visite:

<https://aqview.arb.ca.gov>

Thank you!

¡Gracias!