Anexo. Tablas de Resumen de estadísticos a lo largo del año 2024

En este documento se presentan los resúmenes estadísticos mensuales de los datos de material particulado y gases monitoreados por la Red de Monitoreo de Calidad del Aire del Valle de Aburrá. Los resultados para todas las variables son reportados en $\mu g/m^3$, en condiciones de referencia; a excepción del NO_x que se reporta en ppm.

Para el cálculo de excedencias, se consideran los niveles máximos permisibles establecidos en la Resolución 2254 de 2017 publicada por el Ministerio de Ambiente y Desarrollo Sostenible.

En las tablas presentadas se utilizan las siguientes convenciones:

- N.A: No Aplica. Corresponde a estaciones en las que no se obtuvo el 75 % de datos válidos para calcular los valores promedios correspondientes, o estaciones que no estaban operando durante el mes en consideración.
- CMD: Cantidad de muestras diarias.
- NEND: Número de excedencias a la norma diaria (PM10, PM2.5 y SO_2).
- NEN1H: Número de excedencias a la norma horaria (SO_2, NO_2 y CO).
- NEN8H: Número de excedencias a la norma octohoraria (O_3).
- MAX, MEAN, MIN seguidos por -1H, -8H, -D: Valores máximos, medios y mínimos calculados para cada variable con diferente periodicidad(horaria, octohoraria y diaria); de acuerdo a lo establecido en el Protocolo para el Monitoreo y Seguimiento de la Calidad del Aire del Ministerio de Ambiente, Vivienda y Desarrollo Territorial.

Considerando los procedimientos propios del proceso de validación de datos establecidos dentro del sistema de gestión de calidad de la red de monitoreo, es posible que los resultados presentados en este informe varíen respecto a los reportados en meses anteriores.

1. Resumen Estadísticos 2024 para PM2.5

1.1. Resumen Estadísticos para estaciones en el municipio de Medellín

	CEN-TRAF	MED-ALTA	MED-ARAN	MED-BEME	MED-CES	MED-FISC	MED-LAYE	MED-PBLQ	MED-PROV	MED-SCRI	MED-SELE	MED-TESO	MED-VILL
Enero 2024													
CMD	18	30	31	29	N.A	31	31	31	31	26	29	30	31
MAX-D	36.5	39.4	43.2	39.5	N.A	34.3	27.8	37.5	33.6	33.1	27.2	32.3	33.1
MEAN-D	N.A	25.6	22.4	25.6	N.A	21.2	16.4	20.0	19.7	19.7	15.5	20.4	19.3
MIN-D	21.2	12.5	12.7	12.8	N.A	11.4	9.3	9.9	10.1	10.8	8.9	11.1	12.5
NEND	0	2	1	3	N.A	0	0	1	0	0	0	0	0
Febrero 2024													
CMD	28	28	29	28	N.A	29	26	29	26	29	24	26	29
MAX-D	51.4	41.4	37.9	39.4	N.A	39.4	31.0	39.3	27.2	32.8	31.7	37.8	33.0
MEAN-D	30.8	24.1	20.8	21.7	N.A	19.6	16.9	18.9	16.9	18.5	16.1	19.5	18.7
MIN-D	17.2	10.4	9.5	8.0	N.A	8.1	8.9	7.3	6.0	9.9	7.3	11.8	11.0
NEND	8	2	1	1	N.A	1	0	1	0	0	0	1	0
Marzo 2024													
CMD	30	31	31	30	N.A	29	29	31	31	31	30	29	31
MAX-D	59.5	44.8	45.3	43.6	N.A	44.6	38.9	42.2	43.1	37.6	37.8	42.3	40.4
MEAN-D	43.2	34.0	32.8	30.9	N.A	30.7	25.1	29.9	28.2	28.1	26.3	29.8	29.2
MIN-D	31.3	26.1	23.0	20.6	N.A	21.9	15.2	20.6	19.3	19.9	18.5	20.7	20.1
NEND	24	8	7	3	N.A	4	1	3	3	3	1	4	4
Abril 2024													

	CEN-TRAF	MED-ALTA	MED-ARAN	MED-BEME	MED-CES	MED-FISC	MED-LAYE	MED-PBLQ	MED-PROV	MED-SCRI	MED-SELE	MED-TESO	MED-VILL
CMD	30	30	30	30	17	30	3	30	29	30	24	28	30
MAX-D	51.8	42.3	42.1	40.8	34.6	38.0	24.0	40.0	38.0	36.8	39.7	39.7	36.9
MEAN-D	35.9	26.1	24.9	25.4	N.A	23.7	N.A	23.5	22.7	21.5	17.6	22.9	22.0
MIN-D	18.9	11.7	12.8	11.1	7.4	9.8	13.4	9.6	10.8	10.0	5.7	11.2	11.8
NEND	16	4	3	2	0	1	0	2	1	0	1	2	0
Mayo 2024													
CMD	31	22	28	31	28	31	N.A	31	31	29	24	31	31
MAX-D	37.3	27.1	23.5	28.0	17.6	23.5	N.A	23.2	23.5	22.2	11.4	24.4	22.3
MEAN-D	25.4	N.A	16.5	17.4	10.6	15.8	N.A	14.5	15.4	13.8	7.4	14.6	14.5
MIN-D	18.3	9.4	7.8	6.4	6.6	7.0	N.A	7.6	8.3	9.1	3.8	9.8	8.7
NEND	1	0	0	0	0	0	N.A	0	0	0	0	0	0
Junio 2024													
CMD	30	27	30	30	26	30	N.A	30	27	30	28	30	24
MAX-D	31.2	25.1	24.0	26.1	15.0	25.3	N.A	22.7	23.2	20.2	11.5	17.5	17.0
MEAN-D	22.2	18.2	14.4	15.4	9.7	14.9	N.A	12.0	14.2	11.9	6.2	12.2	12.6
MIN-D	12.8	10.5	8.6	6.7	4.9	6.8	N.A	5.4	5.8	7.7	3.6	7.3	7.9
NEND	0	0	0	0	0	0	N.A	0	0	0	0	0	0
Julio 2024													
CMD	31	30	31	26	29	31	N.A	27	30	25	28	31	30
MAX-D	30.5	26.4	20.3	23.3	14.5	22.2	N.A	19.0	20.1	17.4	11.9	19.3	16.7
MEAN-D	22.8	19.1	13.6	17.1	9.2	15.1	N.A	11.9	13.7	11.9	6.5	12.1	11.4
MIN-D	15.5	14.9	8.3	11.2	5.2	9.1	N.A	7.3	8.8	8.1	3.6	8.0	7.7

	CEN-TRAF	MED-ALTA	MED-ARAN	MED-BEME	MED-CES	MED-FISC	MED-LAYE	MED-PBLQ	MED-PROV	MED-SCRI	MED-SELE	MED-TESO	MED-VILL
NEND	0	0	0	0	0	0	N.A	0	0	0	0	0	0
Agosto 2024													
CMD	31	31	30	30	28	25	N.A	31	30	30	27	31	30
MAX-D	41.7	31.9	26.7	32.4	23.4	27.5	N.A	25.8	29.8	23.8	18.7	26.9	25.1
MEAN-D	26.7	21.5	16.1	19.2	11.9	17.9	N.A	14.4	15.8	13.8	9.6	14.7	13.9
MIN-D	19.8	16.0	11.6	11.8	7.4	10.7	N.A	8.3	10.2	8.2	4.1	10.5	8.8
NEND	1	0	0	0	0	0	N.A	0	0	0	0	0	0
Septiembre 2024													
CMD	30	30	29	28	23	29	N.A	30	27	30	22	30	29
MAX-D	37.7	31.4	28.5	37.1	20.1	30.8	N.A	27.1	25.8	23.2	18.0	23.4	22.1
MEAN-D	27.8	24.4	18.9	22.1	14.2	20.6	N.A	18.1	19.0	16.0	N.A	16.5	16.1
MIN-D	19.2	16.8	13.7	12.7	10.0	13.3	N.A	10.4	12.0	9.0	6.4	8.2	10.6
NEND	2	0	0	1	0	0	N.A	0	0	0	0	0	0

1.2. Resumen Estadísticos para estaciones en los municipios del Valle, diferentes a Medellín

	BAR-TORR	BEL-FEVE	CAL-JOAR	COP-CVID	ENV-HOSP	EST-HOSP	EST-TABL	GIR-EPM	ITA-CJUS	ITA-CONC	SAB-RAME
Enero 2024											
CMD	30	30	31	31	31	31	N.A	28	31	27	31
MAX-D	30.1	33.9	36.6	32.6	32.7	33.1	N.A	32.8	44.7	30.8	36.5
MEAN-D	18.9	19.6	23.3	18.7	18.7	19.8	N.A	18.5	24.7	18.4	22.3

	BAR-TORR	BEL-FEVE	CAL-JOAR	COP-CVID	ENV-HOSP	EST-HOSP	EST-TABL	GIR-EPM	ITA-CJUS	ITA-CONC	SAB-RAME
MIN-D	8.4	9.8	13.2	8.6	9.8	11.5	N.A	9.3	10.8	9.2	13.4
NEND	0	0	0	0	0	0	N.A	0	4	0	0
Febrero 2024											
CMD	29	28	29	29	29	29	N.A	28	29	29	29
MAX-D	36.5	34.9	41.7	36.2	35.2	42.2	N.A	39.8	47.0	35.8	41.2
MEAN-D	16.8	18.4	22.5	18.0	18.1	21.8	N.A	19.0	24.8	17.4	21.4
MIN-D	5.1	8.7	12.0	6.6	10.6	13.2	N.A	7.0	8.4	8.1	10.8
NEND	0	0	2	0	0	2	N.A	1	2	0	2
Marzo 2024											
CMD	31	30	31	31	31	31	N.A	31	31	31	31
MAX-D	43.7	40.3	45.6	42.4	42.1	47.8	N.A	47.8	49.1	39.5	45.5
MEAN-D	29.0	28.5	30.7	29.1	28.3	33.1	N.A	31.1	34.0	27.3	32.4
MIN-D	19.3	19.1	19.4	19.3	20.7	23.4	N.A	21.5	24.7	18.2	22.6
NEND	4	3	5	4	4	8	N.A	6	9	2	6
Abril 2024											
CMD	29	29	28	30	30	30	N.A	27	30	30	30
MAX-D	42.9	39.4	43.7	39.7	38.2	41.6	N.A	42.8	48.9	38.7	41.9
MEAN-D	20.0	21.5	24.2	21.1	20.6	24.5	N.A	21.0	27.7	20.0	24.0
MIN-D	6.3	9.1	11.1	7.6	9.4	12.0	N.A	6.6	14.0	7.4	12.4
NEND	2	1	4	2	2	4	N.A	3	5	1	4
Mayo 2024											
CMD	26	31	24	31	31	31	8	31	31	31	31
MAX-D	17.0	19.5	23.5	18.3	23.3	23.1	22.9	17.1	32.5	20.2	26.7

	BAR-TORR	BEL-FEVE	CAL-JOAR	COP-CVID	ENV-HOSP	EST-HOSP	EST-TABL	GIR-EPM	ITA-CJUS	ITA-CONC	SAB-RAME
MEAN-D	10.1	12.7	15.7	11.6	13.5	16.1	N.A	11.8	17.7	12.8	14.3
MIN-D	6.3	6.4	9.1	7.2	8.4	10.8	16.5	7.7	10.6	8.2	7.2
NEND	0	0	0	0	0	0	0	0	0	0	0
Junio 2024											
CMD	28	30	30	30	24	30	22	25	30	30	30
MAX-D	11.3	22.0	19.5	18.2	16.8	19.3	23.2	14.7	26.0	16.0	19.5
MEAN-D	7.9	11.2	13.9	10.4	12.2	14.9	N.A	10.6	16.6	11.5	13.6
MIN-D	5.9	6.9	8.1	6.2	6.7	6.8	6.5	5.7	8.7	5.8	6.8
NEND	0	0	0	0	0	0	0	0	0	0	0
Julio 2024											
CMD	31	23	31	31	31	31	22	26	31	31	31
MAX-D	14.4	17.0	24.6	15.7	20.5	25.4	26.7	21.8	26.4	17.8	21.0
MEAN-D	10.3	N.A	15.5	11.4	12.6	18.5	N.A	14.3	18.4	12.3	14.6
MIN-D	6.6	7.9	6.7	7.5	7.3	13.9	12.4	9.4	10.7	6.7	6.4
NEND	0	0	0	0	0	0	0	0	0	0	0
Agosto 2024											
CMD	31	24	31	24	29	31	26	31	30	28	31
MAX-D	23.4	24.5	30.9	18.6	27.4	33.0	31.3	29.1	36.7	27.2	30.0
MEAN-D	13.1	13.5	17.2	12.8	15.0	19.6	19.8	17.9	21.0	14.2	16.0
MIN-D	8.2	9.3	9.0	7.0	10.0	13.3	9.5	11.2	15.0	9.6	9.6
NEND	0	0	0	0	0	0	0	0	0	0	0
Septiembre 2024											
CMD	29	30	27	28	30	28	29	29	26	30	29

	BAR-TORR	BEL-FEVE	CAL-JOAR	COP-CVID	ENV-HOSP	EST-HOSP	EST-TABL	GIR-EPM	ITA-CJUS	ITA-CONC	SAB-RAME
MAX-D	20.0	24.2	26.9	20.3	23.1	30.1	33.8	26.7	27.1	23.3	25.9
MEAN-D	13.9	15.8	18.7	14.2	16.7	22.5	22.6	19.2	21.5	16.9	18.9
MIN-D	7.1	9.3	7.8	6.9	7.8	13.5	9.1	8.8	14.0	7.6	12.7
NEND	0	0	0	0	0	0	0	0	0	0	0

1.3. Resumen Estadísticos para estaciones manuales

	BEL-JEGA	MED-PJIC
Enero 2024		
CMD	10	10
MAX-D	32.1	31.7
MEAN-D	18.7	21.5
MIN-D	8.8	16.3
NEND	0	0
Febrero 2024		
CMD	9	9
MAX-D	34.9	38.9
MEAN-D	19.4	20.8
MIN-D	5.1	8.6
NEND	0	1
Marzo 2024		

	BEL-JEGA	MED-PJIC
CMD	10	9
MAX-D	38.0	39.2
MEAN-D	28.0	27.5
MIN-D	18.9	19.9
NEND	2	1

Abril 2024

CMD	10	9
MAX-D	33.7	41.0
MEAN-D	20.6	24.9
MIN-D	10.9	13.5
NEND	0	1

Mayo 2024

CMD	8	9
MAX-D	17.5	28.2
MEAN-D	13.7	18.9
MIN-D	9.3	12.1
NEND	0	0

Junio 2024

CMD	4	8
MAX-D	13.0	18.1
MEAN-D	N.A	15.3
MIN-D	8.6	10.5

	BEL-JEGA	MED-PJIC
NEND	0	0
Julio 2024		
CMD	10	10
MAX-D	15.8	27.9
MEAN-D	12.6	16.5
MIN-D	9.2	7.7
NEND	0	0
Agosto 2024		
CMD	9	10
MAX-D	24.5	33.6
MEAN-D	15.4	19.9
MIN-D	8.6	13.3
NEND	0	0
Septiembre 2024		
CMD	10	10
MAX-D	22.3	27.8
MEAN-D	16.2	20.8
MIN-D	10.6	16.0
NEND	0	0

2. Resumen Estadísticos 2024 para PM10

	BEL-USBV	CEN-TRAF	GIR-EPM	ITA-CONC	ITA-POGO	MED-ALTA	MED-EXSA	MED-PJIC	MED-PROV
Enero 2024									
CMD	21	31	26	26	28	31	31	31	26
MAX-D	55.1	70.7	55.9	46.9	87.4	112.3	72.0	51.2	63.0
MEAN-D	N.A	51.4	37.9	31.4	51.2	69.4	48.8	31.8	41.8
MIN-D	16.3	35.7	23.8	17.2	25.7	37.2	30.4	17.2	21.5
NEND	0	0	0	0	2	11	0	0	0
Febrero 2024									
CMD	29	28	23	29	29	29	28	28	26
MAX-D	61.9	74.6	56.7	53.8	84.2	96.0	73.5	60.6	55.8
MEAN-D	36.5	49.5	36.4	31.0	52.0	69.4	49.3	33.2	36.0
MIN-D	19.7	27.2	18.8	16.9	19.9	31.9	28.8	12.4	14.5
NEND	0	0	0	0	3	10	0	0	0
Marzo 2024									
CMD	31	30	29	31	30	24	31	29	31
MAX-D	65.8	79.0	73.3	58.8	86.2	105.5	76.5	58.9	77.0
MEAN-D	48.5	61.8	51.2	42.3	64.1	80.3	61.0	44.0	51.6
MIN-D	36.7	42.0	40.1	31.8	48.4	52.2	42.7	30.6	33.2
NEND	0	3	0	0	5	13	3	0	1
Abril 2024									
CMD	25	30	29	30	30	30	30	30	30
MAX-D	58.0	76.1	67.6	54.9	95.3	106.7	73.8	61.1	66.8
MEAN-D	37.1	53.4	40.8	35.0	63.7	71.1	54.1	37.8	45.2
MIN-D	20.4	31.1	21.3	18.7	43.1	43.7	31.1	18.3	25.2

	BEL-USBV	CEN-TRAF	GIR-EPM	ITA-CONC	ITA-POGO	MED-ALTA	MED-EXSA	MED-PJIC	MED-PROV
NEND	0	2	0	0	4	9	0	0	0
Mayo 2024									
CMD	31	26	25	31	31	28	31	28	31
MAX-D	43.1	58.6	53.1	42.6	100.3	86.0	60.8	47.0	51.8
MEAN-D	30.5	42.7	33.3	27.8	54.2	57.4	43.6	29.1	31.8
MIN-D	20.5	30.7	20.6	16.8	33.8	34.2	27.1	16.1	18.6
NEND	0	0	0	0	2	2	0	0	0
Junio 2024									
CMD	25	14	21	30	24	27	30	30	29
MAX-D	43.2	49.6	45.8	35.1	75.0	65.6	49.3	34.9	45.6
MEAN-D	29.1	N.A	N.A	24.9	48.9	49.5	37.5	24.4	26.9
MIN-D	21.9	19.7	21.2	14.3	29.5	29.7	22.0	11.9	11.7
NEND	0	0	0	0	0	0	0	0	0
Julio 2024									
CMD	31	16	24	31	28	31	31	31	31
MAX-D	38.7	54.1	50.2	38.2	60.0	74.6	49.8	41.1	43.0
MEAN-D	27.9	N.A	36.5	26.9	48.6	55.7	38.5	25.7	30.7
MIN-D	19.2	32.3	18.7	18.1	30.8	37.1	24.1	11.1	15.5
NEND	0	0	0	0	0	0	0	0	0
Agosto 2024									
CMD	31	31	24	28	28	26	25	31	30
MAX-D	42.5	60.8	52.3	40.8	71.7	73.8	62.6	48.9	53.1
MEAN-D	29.4	43.7	38.7	28.0	51.8	50.9	40.6	29.5	33.0

	BEL-USBV	CEN-TRAF	GIR-EPM	ITA-CONC	ITA-POGO	MED-ALTA	MED-EXSA	MED-PJIC	MED-PROV
MIN-D	19.7	28.8	22.5	20.2	30.8	33.2	27.3	16.3	21.1
NEND	0	0	0	0	0	0	0	0	0
Septiembre 2024									
CMD	30	27	19	30	30	27	30	30	27
MAX-D	41.0	57.6	52.2	36.5	97.2	70.5	64.9	40.7	51.5
MEAN-D	32.0	41.1	N.A	29.5	57.1	54.9	47.4	31.8	37.7
MIN-D	20.3	27.6	27.8	17.2	30.6	35.8	30.3	19.3	24.1
NEND	0	0	0	0	7	0	0	0	0

2.1. Resumen Estadísticos para estaciones manuales

	BAR-HSVP	CAL-JOAR	COP-HSMA	EST-MAGO	ITA-POGO	ITA-PTAR	MED-CORA	MED-MIRA	MED-PJIC
Enero 2024									
CMD	10	10	10	10	10	10	10	10	10
MAX-D	59.5	40.5	66.0	79.5	78.8	50.3	63.5	35.4	75.0
MEAN-D	32.9	33.0	41.5	56.1	50.7	32.0	40.5	24.2	45.2
MIN-D	14.3	25.9	32.3	25.2	21.9	22.2	31.7	13.5	32.5
NEND	0	0	0	2	1	0	0	0	1
Febrero 2024									
CMD	8	9	10	10	10	10	10	10	10
MAX-D	45.2	51.0	55.8	79.5	67.4	81.3	48.5	61.1	84.6

	BAR-HSVP	CAL-JOAR	COP-HSMA	EST-MAGO	ITA-POGO	ITA-PTAR	MED-CORA	MED-MIRA	MED-PJIC
MEAN-D	30.0	36.4	32.1	60.4	47.6	39.4	33.8	29.5	54.2
MIN-D	6.2	8.9	9.2	36.8	16.5	13.9	14.9	16.2	29.1
NEND	0	0	0	3	0	1	0	0	1
Marzo 2024									
CMD	9	10	10	9	10	9	10	8	10
MAX-D	46.2	58.0	55.4	89.1	73.3	54.8	56.5	35.9	74.1
MEAN-D	37.2	42.8	42.6	54.6	52.5	42.9	40.7	29.5	53.3
MIN-D	23.6	29.0	29.5	23.7	21.2	28.0	27.5	21.0	34.9
NEND	0	0	0	1	0	0	0	0	0
Abril 2024									
CMD	10	10	10	10	10	10	10	10	10
MAX-D	44.3	53.6	52.5	75.1	64.7	58.0	56.7	41.4	74.4
MEAN-D	29.6	39.3	34.5	53.5	49.0	40.6	34.7	25.6	48.8
MIN-D	15.4	19.1	15.1	28.6	31.8	20.1	16.5	13.7	24.7
NEND	0	0	0	1	0	0	0	0	0
Mayo 2024									
CMD	9	10	10	8	10	9	10	9	9
MAX-D	35.6	62.9	40.8	48.5	66.3	37.5	40.4	34.3	48.1
MEAN-D	22.5	31.8	23.2	36.7	39.6	28.4	28.8	26.3	39.2
MIN-D	13.5	14.1	15.2	22.0	22.5	21.7	18.9	13.7	29.2
NEND	0	0	0	0	0	0	0	0	0
Junio 2024									
CMD	10	9	10	10	10	10	10	10	10

	BAR-HSVP	CAL-JOAR	COP-HSMA	EST-MAGO	ITA-POGO	ITA-PTAR	MED-CORA	MED-MIRA	MED-PJIC
MAX-D	23.3	38.2	27.1	47.9	42.0	28.7	33.0	26.0	37.7
MEAN-D	15.7	24.8	20.9	30.2	30.2	23.6	20.2	16.7	30.4
MIN-D	9.3	17.0	13.9	11.5	21.4	19.4	5.4	4.6	23.4
NEND	0	0	0	0	0	0	0	0	0
Julio 2024									
CMD	10	10	10	10	10	10	10	10	10
MAX-D	34.1	47.1	38.8	68.5	47.1	34.2	37.5	23.7	47.9
MEAN-D	23.8	33.0	29.0	40.9	33.9	25.8	27.1	14.3	32.8
MIN-D	16.4	14.7	21.3	22.1	20.1	13.1	14.9	4.1	13.3
NEND	0	0	0	0	0	0	0	0	0
Agosto 2024									
CMD	11	11	11	11	11	11	11	11	10
MAX-D	30.2	54.5	35.2	62.6	71.4	39.8	29.3	24.3	45.6
MEAN-D	19.6	33.5	25.0	41.7	49.5	26.6	19.9	13.7	34.4
MIN-D	13.0	23.3	13.6	23.4	33.2	18.3	9.7	6.6	24.1
NEND	0	0	0	0	0	0	0	0	0
Septiembre 2024									
CMD	10	10	9	8	10	9	10	10	10
MAX-D	24.1	41.0	33.9	51.7	76.9	38.1	37.8	24.1	41.3
MEAN-D	18.2	30.9	28.4	36.8	43.8	27.2	25.8	17.5	31.0
MIN-D	5.3	18.3	19.7	10.9	16.5	18.8	16.8	12.2	20.7
NEND	0	0	0	0	1	0	0	0	0

3. Resumen Estadísticos 2024 para CO

	GIR-EPM	MED-PJIC
Enero 2024		
CMD	31	31
MAX-1H	1456.9	4574.9
MEAN-1H	452.6	1646.0
MIN-1H	133.1	331.6
NEN1H	0	0
MAX-8H	745.3	2781.5
MEAN-8H	452.3	1647.5
MIN-8H	185.0	624.9
NEN8H	0	0
Febrero 2024		

	GIR-EPM	MED-PJIC
CMD	29	28
MAX-1H	1273.7	4635.7
MEAN-1H	472.8	1884.4
MIN-1H	163.0	397.6
NEN1H	0	0
MAX-8H	867.1	3412.2
MEAN-8H	474.0	1881.4
MIN-8H	208.7	568.1
NEN8H	0	0

Marzo 2024

CMD	31	29
MAX-1H	1151.9	5813.8

	GIR-EPM	MED-PJIC
MEAN-1H	581.7	2005.3
MIN-1H	291.9	661.5
NEN1H	0	0
MAX-8H	828.2	4646.3
MEAN-8H	581.2	1993.1
MIN-8H	338.4	907.4
NEN8H	0	0

Abril 2024

CMD	30	30
MAX-1H	1501.5	6457.2
MEAN-1H	557.5	2162.7
MIN-1H	201.7	389.7

	GIR-EPM	MED-PJIC
NEN1H	0	0
MAX-8H	1378.4	4822.6
MEAN-8H	557.0	2152.2
MIN-8H	300.7	617.7
NEN8H	0	0

Mayo 2024

CMD	29	28
MAX-1H	2036.2	7082.1
MEAN-1H	644.6	2470.0
MIN-1H	19.6	523.4
NEN1H	0	0
MAX-8H	1426.2	5101.9

	GIR-EPM	MED-PJIC
MEAN-8H	645.7	2474.8
MIN-8H	67.4	991.8
NEN8H	0	3

Junio 2024

CMD	28	30
MAX-1H	1082.0	5253.2
MEAN-1H	195.2	1814.4
MIN-1H	0.8	424.8
NEN1H	0	0
MAX-8H	631.4	4331.7
MEAN-8H	193.8	1812.6
MIN-8H	25.6	721.0

	GIR-EPM	MED-PJIC
NEN8H	0	0

Julio 2024

CMD	29	31
MAX-1H	917.2	5615.2
MEAN-1H	233.3	1667.4
MIN-1H	0.2	385.0
NEN1H	0	0
MAX-8H	780.7	3506.4
MEAN-8H	236.1	1667.8
MIN-8H	21.5	712.3
NEN8H	0	0

Agosto 2024

CMD	31	31

	GIR-EPM	MED-PJIC
MAX-1H	1455.7	5455.7
MEAN-1H	242.8	2026.0
MIN-1H	1.7	493.7
NEN1H	0	0
MAX-8H	1004.1	3542.1
MEAN-8H	243.0	2026.6
MIN-8H	38.4	750.8
NEN8H	0	0

Septiembre 2024

CMD	30	30
MAX-1H	1248.1	6099.1
MEAN-1H	425.9	1849.9

	GIR-EPM	MED-PJIC
MIN-1H	70.2	499.3
NEN1H	0	0
MAX-8H	1168.9	4118.8
MEAN-8H	424.2	1845.2
MIN-8H	95.6	691.3
NEN8H	0	0

4. Resumen Estadísticos 2024 para ozono (O_3)

	BAR-PDLA	BEL-USBV	GIR-EPM	ITA-CONC	MED-CES	MED-FISC	MED-LAYE	MED-MIRA	MED-PBLQ	MED-UDEM
Enero 2024										
CMD	30	31	31	24	N.A	31	31	31	31	30
MAX-8H	93.1	86.1	91.7	130.0	N.A	120.1	137.0	103.4	109.1	126.3
MEAN-8H	35.7	33.7	37.1	44.2	N.A	30.8	37.8	35.9	39.3	39.3
MIN-8H	2.7	1.2	2.1	4.5	N.A	1.3	4.4	2.3	0.5	0.9
NEN8H	0	0	0	22	N.A	5	13	2	3	16

	BAR-PDLA	BEL-USBV	GIR-EPM	ITA-CONC	MED-CES	MED-FISC	MED-LAYE	MED-MIRA	MED-PBLQ	MED-UDEM
Febrero 2024										
CMD	29	29	29	29	N.A	29	29	29	29	29
MAX-8H	84.6	92.2	82.6	143.1	N.A	107.5	136.0	65.8	94.7	107.3
MEAN-8H	37.0	33.5	36.5	51.3	N.A	30.8	38.2	20.4	38.3	36.4
MIN-8H	3.0	1.2	1.7	7.8	N.A	4.4	2.4	2.0	2.2	1.3
NEN8H	0	0	0	57	N.A	4	23	0	0	12
Marzo 2024										
CMD	24	31	31	31	N.A	31	31	31	31	31
MAX-8H	90.2	111.3	90.3	155.6	N.A	123.8	136.6	84.8	127.4	130.4
MEAN-8H	46.4	42.4	44.3	66.7	N.A	41.2	50.2	25.9	55.9	49.4
MIN-8H	2.6	3.7	5.0	15.0	N.A	3.9	8.4	2.5	7.3	3.8
NEN8H	0	7	0	121	N.A	19	33	0	33	32
Abril 2024										
CMD	27	30	30	25	18	30	3	28	30	30
MAX-8H	102.1	103.7	99.4	140.5	118.4	118.3	84.2	117.7	134.1	127.9
MEAN-8H	36.1	35.5	33.7	56.9	32.5	31.5	34.0	32.4	45.0	38.8
MIN-8H	2.6	0.7	1.3	11.9	2.1	2.3	8.4	0.5	0.7	1.7
NEN8H	2	2	0	65	14	11	0	10	29	23
Mayo 2024										
CMD	30	31	31	29	31	25	N.A	30	31	28
MAX-8H	72.7	76.0	48.7	101.1	96.7	111.9	N.A	108.2	121.4	94.1
MEAN-8H	23.9	21.3	18.2	34.7	26.0	23.6	N.A	22.7	29.3	26.2
MIN-8H	2.3	0.8	1.1	7.5	2.2	0.3	N.A	0.4	0.0	0.0

	BAR-PDLA	BEL-USBV	GIR-EPM	ITA-CONC	MED-CES	MED-FISC	MED-LAYE	MED-MIRA	MED-PBLQ	MED-UDEM
NEN8H	0	0	0	1	0	3	N.A	2	6	0
Junio 2024										
CMD	30	28	28	30	30	28	N.A	30	27	30
MAX-8H	66.9	75.5	56.4	95.2	92.6	78.2	N.A	75.1	80.0	73.4
MEAN-8H	23.9	20.6	19.2	30.5	28.3	19.9	N.A	20.9	25.8	20.1
MIN-8H	3.3	0.9	2.4	6.3	3.1	0.0	N.A	1.7	0.0	0.0
NEN8H	0	0	0	0	0	0	N.A	0	0	0
Julio 2024										
CMD	31	31	24	31	29	31	N.A	31	31	31
MAX-8H	64.6	78.0	64.8	104.4	109.5	96.1	N.A	83.0	88.2	78.6
MEAN-8H	29.0	26.5	23.7	37.7	30.4	24.7	N.A	24.4	34.6	24.3
MIN-8H	2.7	1.0	3.4	6.1	0.7	0.0	N.A	1.6	0.0	0.0
NEN8H	0	0	0	2	2	0	N.A	0	0	0
Agosto 2024										
CMD	31	29	29	14	26	31	N.A	31	31	22
MAX-8H	85.7	74.2	86.5	109.8	128.7	89.4	N.A	90.4	103.6	109.3
MEAN-8H	32.6	25.7	34.7	41.0	36.9	30.1	N.A	28.1	43.0	33.4
MIN-8H	2.8	0.0	2.3	6.1	2.5	1.9	N.A	1.5	1.3	0.0
NEN8H	0	0	0	6	6	0	N.A	0	2	4
Septiembre 2024										
CMD	30	30	30	9	29	30	N.A	21	30	27
MAX-8H	90.7	90.0	106.5	121.4	112.8	112.7	N.A	93.3	121.6	127.7
MEAN-8H	38.7	32.9	42.9	42.7	40.9	35.6	N.A	35.0	51.8	44.2

	BAR-PDLA	BEL-USBV	GIR-EPM	ITA-CONC	MED-CES	MED-FISC	MED-LAYE	MED-MIRA	MED-PBLQ	MED-UDEM
MIN-8H	3.8	1.8	5.4	7.2	0.1	1.1	N.A	4.8	1.9	2.1
NEN8H	0	0	3	8	21	4	N.A	0	24	29

5. Resumen Estadísticos 2024 para SO_2

	CEN-TRAF	GIR-EPM	ITA-CJUS	MED-FISC
Enero 2024				
CMD	24	5	30	4
MAX-1H	68.5	141.6	41.8	79.6
MEAN-1H	10.0	18.0	7.5	10.9
MIN-1H	0.0	0.0	1.4	0.8
NEN1H	0	2	0	0
MAX-D	21.5	25.5	13.5	16.7
MEAN-D	10.1	N.A	7.5	N.A
MIN-D	2.8	17.1	2.8	6.0
NEND	0	0	0	0
Febrero 2024				
CMD	29	13	29	29
MAX-1H	63.6	106.7	38.6	90.6
MEAN-1H	9.9	17.3	8.4	12.4
MIN-1H	1.9	0.0	1.4	1.2

	CEN-TRAF	GIR-EPM	ITA-CJUS	MED-FISC
NEN1H	0	1	0	0
MAX-D	23.4	27.2	14.5	26.9
MEAN-D	10.0	N.A	8.5	12.4
MIN-D	4.6	12.6	5.3	5.0
NEND	0	0	0	0
Marzo 2024				
CMD	28	30	31	30
MAX-1H	75.8	132.5	48.3	86.6
MEAN-1H	8.5	23.0	7.5	12.1
MIN-1H	0.0	0.0	1.7	1.6
NEN1H	0	5	0	0
MAX-D	19.0	33.7	14.4	21.3
MEAN-D	8.4	22.7	7.6	11.9
MIN-D	4.3	9.9	2.8	4.7
NEND	0	0	0	0
Abril 2024				
CMD	30	30	30	30
MAX-1H	77.4	121.3	51.2	71.0
MEAN-1H	9.0	19.9	8.9	9.2
MIN-1H	0.3	0.1	1.3	0.9
NEN1H	0	7	0	0
MAX-D	22.9	36.2	16.7	24.9

	CEN-TRAF	GIR-EPM	ITA-CJUS	MED-FISC
MEAN-D	9.0	19.9	8.9	9.1
MIN-D	4.2	8.7	4.5	4.3
NEND	0	0	0	0

Mayo 2024

CMD	31	26	31	31
MAX-1H	39.5	90.6	23.8	30.8
MEAN-1H	6.8	14.8	6.8	8.2
MIN-1H	1.1	0.2	2.4	0.0
NEN1H	0	0	0	0
MAX-D	11.5	23.9	12.4	14.7
MEAN-D	6.8	14.8	6.8	8.2
MIN-D	3.4	6.6	3.2	3.8
NEND	0	0	0	0

Junio 2024

CMD	30	28	29	30
MAX-1H	24.8	74.1	41.2	34.4
MEAN-1H	6.2	13.1	8.3	7.2
MIN-1H	0.2	0.1	2.3	0.8
NEN1H	0	0	0	0
MAX-D	9.8	23.9	14.5	13.2
MEAN-D	6.2	13.2	8.4	7.3
MIN-D	1.9	6.1	4.3	2.5

	CEN-TRAF	GIR-EPM	ITA-CJUS	MED-FISC
NEND	0	0	0	0
Julio 2024				
CMD	31	29	31	31
MAX-1H	33.0	107.2	58.6	45.4
MEAN-1H	6.8	19.9	10.4	8.9
MIN-1H	0.3	0.2	2.6	0.8
NEN1H	0	2	0	0
MAX-D	11.1	33.0	19.1	15.4
MEAN-D	6.8	20.0	10.4	8.9
MIN-D	3.5	10.7	4.8	4.2
NEND	0	0	0	0
Agosto 2024				
CMD	31	31	31	31
MAX-1H	26.2	124.6	39.7	40.8
MEAN-1H	5.6	18.3	8.7	7.8
MIN-1H	0.1	1.8	1.8	1.2
NEN1H	0	3	0	0
MAX-D	8.6	33.2	12.5	12.3
MEAN-D	5.6	18.3	8.7	7.8
MIN-D	2.7	5.0	5.3	3.9
NEND	0	0	0	0
Septiembre 2024				

	CEN-TRAF	GIR-EPM	ITA-CJUS	MED-FISC
CMD	30	28	30	29
MAX-1H	36.5	93.5	39.4	41.9
MEAN-1H	5.6	13.1	9.0	8.6
MIN-1H	0.3	0.0	1.6	0.1
NEN1H	0	0	0	0
MAX-D	13.3	19.2	13.5	17.7
MEAN-D	5.7	13.0	9.0	8.7
MIN-D	1.4	7.3	3.8	3.0
NEND	0	0	0	0

6. Resumen Estadísticos 2024 para NO_2

	CEN-TRAF	GIR-EPM	ITA-CJUS	MED-ALTA	MED-FISC	MED-PJIC	MED-PROV
Enero 2024							
CMD	30	12	28	29	31	31	30
MAX-1H	128.8	52.8	99.7	95.7	128.8	125.5	119.5
MEAN-1H	35.9	17.8	30.8	20.2	36.2	49.0	33.3
MIN-1H	0.6	0.1	4.8	3.2	4.3	7.3	3.6
NEN1H	0	0	0	0	0	0	0
Febrero 2024							
CMD	28	12	8	29	28	28	22

	CEN-TRAF	GIR-EPM	ITA-CJUS	MED-ALTA	MED-FISC	MED-PJIC	MED-PROV
MAX-1H	88.8	59.3	109.1	68.1	92.9	143.6	115.3
MEAN-1H	37.3	18.1	36.7	17.5	38.2	50.2	35.7
MIN-1H	5.2	0.1	7.7	0.2	4.9	7.5	2.4
NEN1H	0	0	0	0	0	0	0
Marzo 2024							
CMD	23	13	24	31	29	29	18
MAX-1H	104.7	47.2	88.8	55.6	131.0	139.5	107.2
MEAN-1H	38.3	19.3	38.2	17.5	46.7	54.9	37.5
MIN-1H	2.7	0.4	5.4	0.0	9.1	7.5	4.9
NEN1H	0	0	0	0	0	0	0
Abril 2024							
CMD	24	29	28	29	30	30	20
MAX-1H	145.6	56.5	101.2	78.5	154.8	130.2	135.9
MEAN-1H	57.2	21.2	42.6	20.8	57.9	61.7	47.5
MIN-1H	6.6	0.4	2.9	0.7	10.3	9.5	5.8
NEN1H	0	0	0	0	0	0	0
Mayo 2024							
CMD	27	31	31	26	31	28	30
MAX-1H	123.6	48.9	114.9	58.8	134.0	117.7	115.3
MEAN-1H	44.9	14.4	32.2	18.3	48.3	46.3	41.1
MIN-1H	12.6	0.7	4.8	0.7	13.8	10.2	7.4
NEN1H	0	0	0	0	0	0	0
Junio 2024							

	CEN-TRAF	GIR-EPM	ITA-CJUS	MED-ALTA	MED-FISC	MED-PJIC	MED-PROV
CMD	25	28	30	29	30	30	30
MAX-1H	113.3	51.5	94.1	63.7	110.9	125.3	101.4
MEAN-1H	40.0	17.7	25.9	15.4	42.3	37.7	36.1
MIN-1H	11.8	0.3	0.3	0.1	10.4	1.8	8.5
NEN1H	0	0	0	0	0	0	0
Julio 2024							
CMD	27	28	26	24	31	29	20
MAX-1H	113.9	45.3	84.0	61.9	115.5	116.6	90.6
MEAN-1H	37.3	18.3	23.3	13.5	43.1	38.2	30.4
MIN-1H	6.3	0.0	0.1	0.0	5.1	3.2	0.4
NEN1H	0	0	0	0	0	0	0
Agosto 2024							
CMD	14	30	30	16	31	30	31
MAX-1H	91.5	58.1	74.5	49.1	112.3	119.6	92.6
MEAN-1H	45.2	17.9	25.5	13.5	46.7	50.1	32.7
MIN-1H	9.0	0.1	0.7	0.2	10.1	0.9	0.7
NEN1H	0	0	0	0	0	0	0
Septiembre 2024							
CMD	13	24	29	27	30	30	30
MAX-1H	131.4	65.9	83.8	69.4	101.3	119.1	107.9
MEAN-1H	56.5	21.6	22.0	22.1	48.6	51.0	41.6
MIN-1H	19.1	0.0	0.1	3.8	17.0	7.2	7.7

	CEN-TRAF	GIR-EPM	ITA-CJUS	MED-ALTA	MED-FISC	MED-PJIC	MED-PROV
NEN1H	0	0	0	0	0	0	0