

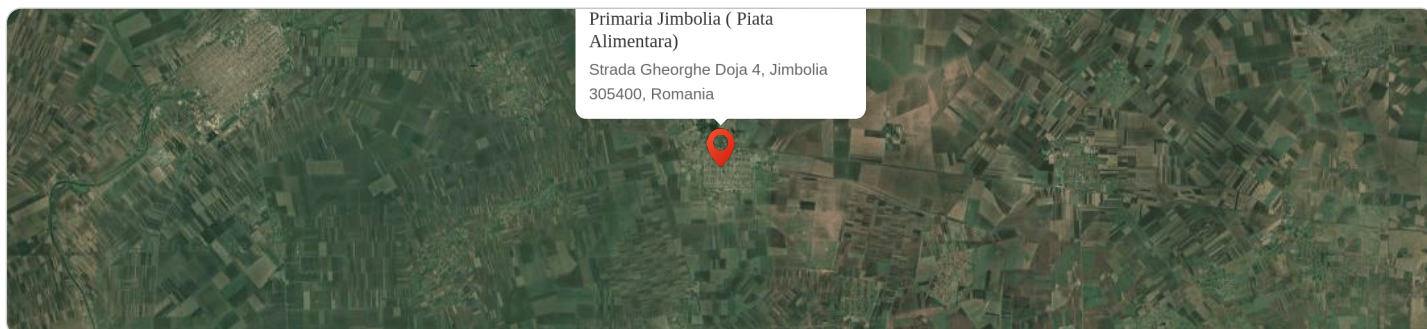
Primaria Jimbolia (Piata Alimentara)

MONTHLY AIR-QUALITY REPORT

Timp de la: **01/11/2025, 00:00**
Timp până la: **30/11/2025, 23:59**

Numele dispozitivului: **Primaria Jimbolia (Piata Alimentara)**
Locația dispozitivului: **Strada Gheorghe Doja 4, Jimbolia 305400, Romania**

Parametrii: **EAQI , NO₂ , O₃ , SO₂ , PM_{2.5} , PM₁₀ , Wind Speed , Wind Direction , CO , R. Humidity , PM₁ , PM₁₀₀ , Pressure , Temperature**



Media indicelui de calitate al aerului (ICA): **281**

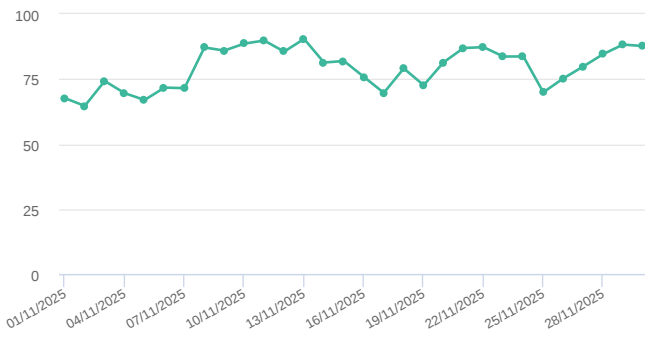
Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

	EAQI AQI	NO ₂ µg/m³	O ₃ µg/m³	SO ₂ ppb	PM _{2.5} µg/m³	PM ₁₀ µg/m³
Average	281	86.37	0	0	37.3	90.58
Maximum	441	99.62	69.68	0	178.62	582.53
Date	13/11/2025	15/11/2025	28/11/2025	01/11/2025	13/11/2025	13/11/2025
Minimum	83	45.48	0	0	6.26	13.28
Date	26/11/2025	27/11/2025	01/11/2025	01/11/2025	25/11/2025	25/11/2025

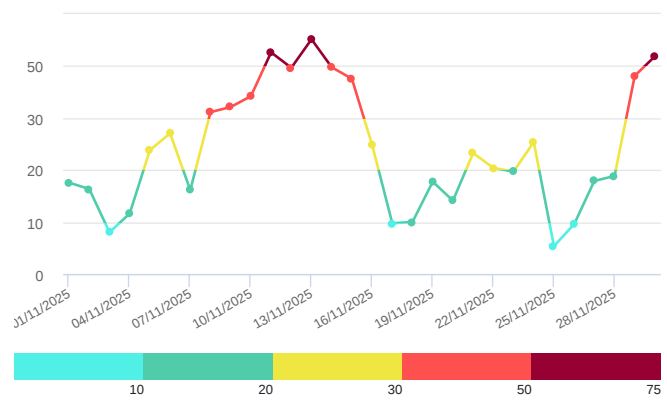
Prezentare generală zilnică: Alți parametri

	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM ₁ µg/m ³	PM ₁₀₀ µg/m ³	Pressure hPa	Temperature °C
Average	1.13	356.47	100	329.08	79.41	26.88	126.11	1008.66	8.8
Maximum	3.81	347.42	100	439.39	90.41	62.85	912.9	1018.01	17.25
Date	27/11/2025	27/11/2025	01/11/2025	15/11/2025	13/11/2025	13/11/2025	13/11/2025	04/11/2025	01/11/2025
Minimum	1.9	223.65	100	247.94	64.65	5.35	16.24	996.66	2.7
Date	30/11/2025	30/11/2025	01/11/2025	25/11/2025	02/11/2025	25/11/2025	25/11/2025	25/11/2025	23/11/2025

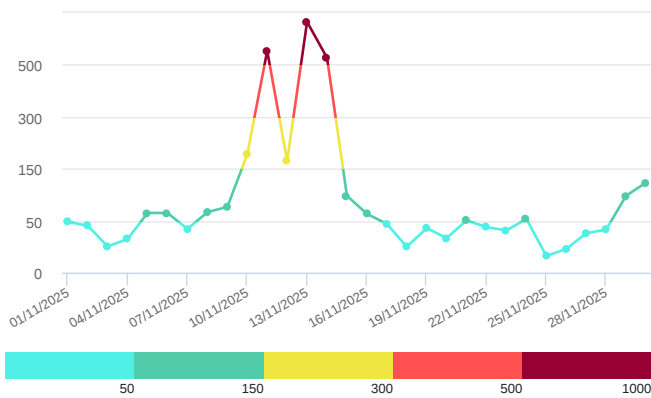
R. Humidity (%)



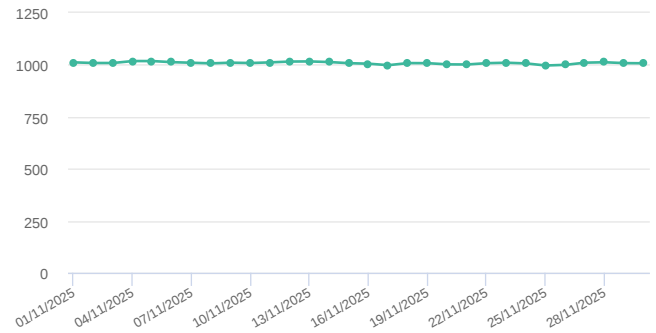
PM₁ (µg/m³)



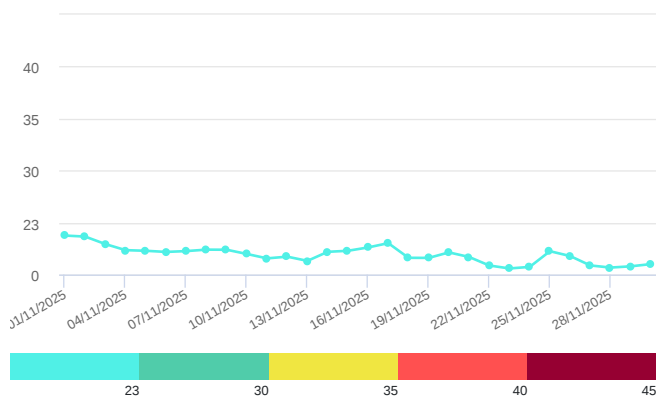
PM₁₀₀ (µg/m³)



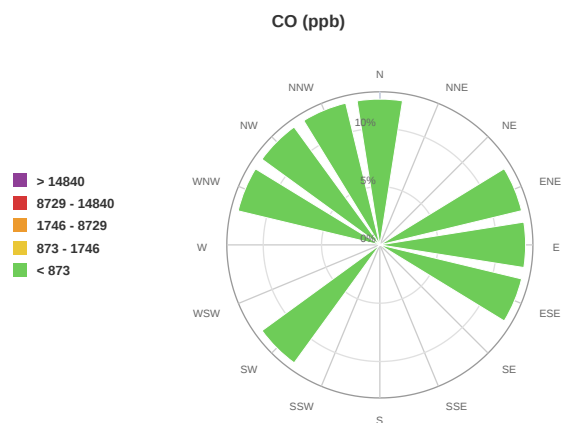
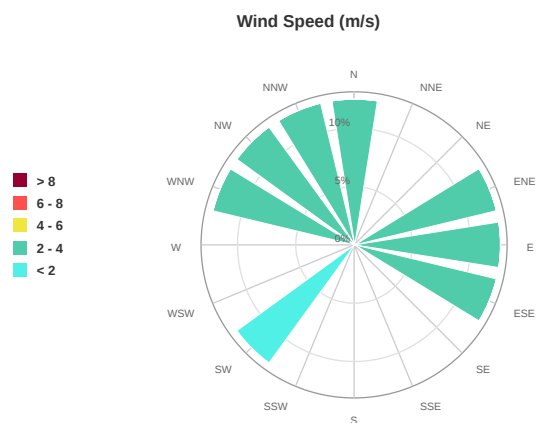
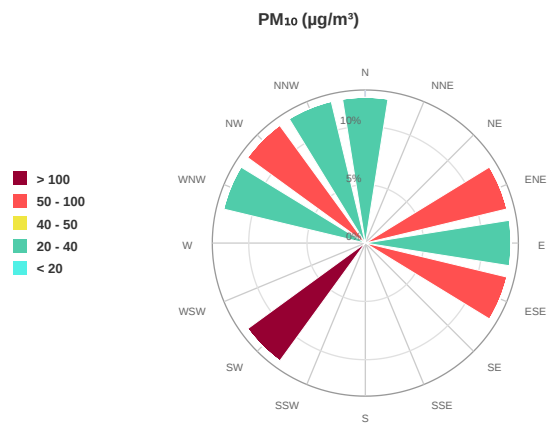
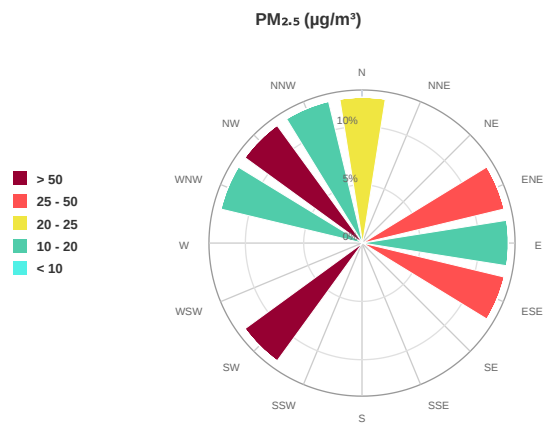
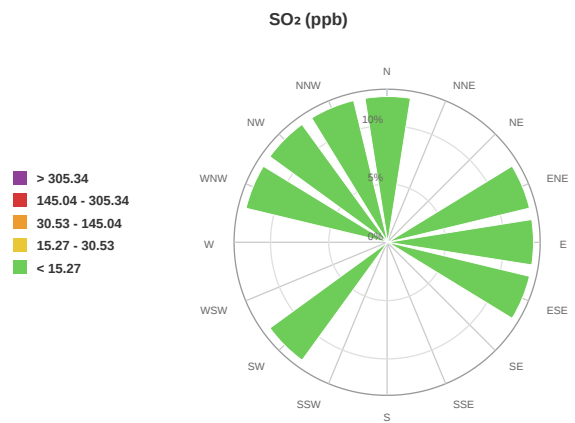
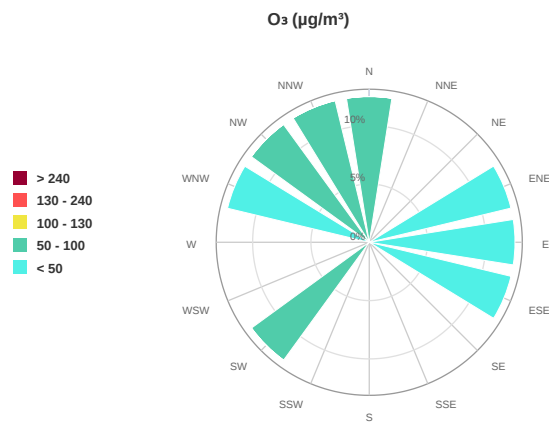
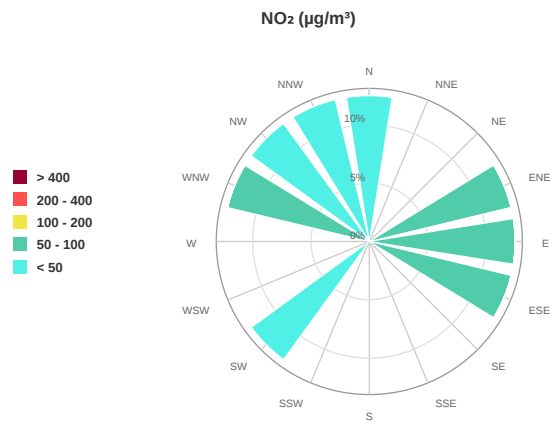
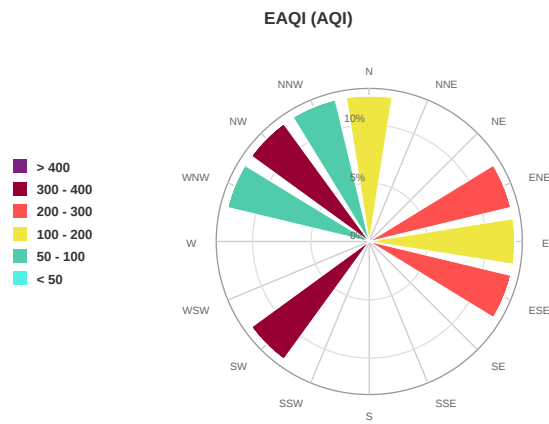
Pressure (hPa)



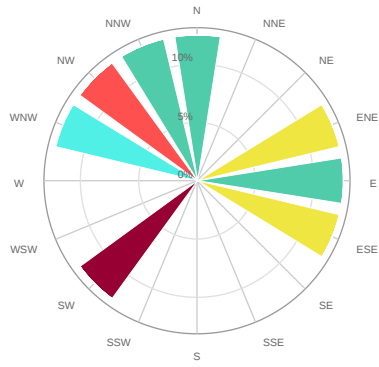
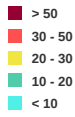
Temperature (°C)



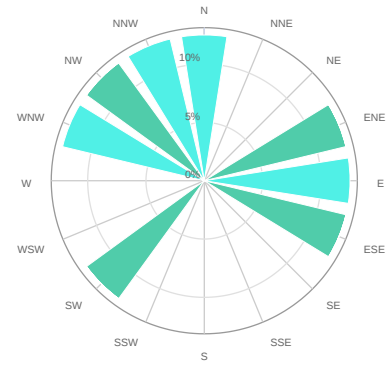
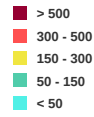
Weekly Average



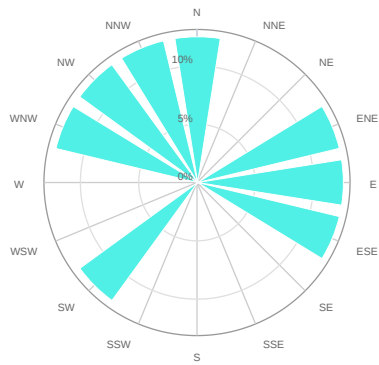
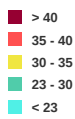
PM₁ (µg/m³)



PM₁₀₀ (µg/m³)



Temperature (°C)



Alerte

No alerts for the selected date and time range

Insights

- 30/11/2025, 23:59 **High EAQI values indicate overall poor air quality:** The EAQI frequently exceeds 200, indicating 'Poor' to 'Extremely Poor' air quality, posing significant health risks. The maximum EAQI observed is 441.
- 30/11/2025, 23:59 **Ozone levels are consistently at zero throughout the month:** O₃ levels are consistently recorded at 0 µg/m³, which is unusual. This could be due to sensor malfunction or specific environmental conditions affecting ozone formation.
- 30/11/2025, 23:59 **SO₂ levels are consistently at zero throughout the month:** SO₂ levels are consistently recorded at 0 ppb, which is unusual. This could be due to sensor malfunction or specific environmental conditions.
- 30/11/2025, 23:59 **Elevated NO₂ levels contribute to poor air quality:** NO₂ concentrations are predominantly in the 'Very Poor' range based on the defined thresholds, reaching a peak of 187.46 µg/m³, greatly impacting the EAQI.
- 30/11/2025, 23:59 **PM_{2.5} levels frequently exceed safe limits:** PM_{2.5} concentrations often fall within the 'Poor' to 'Very Poor' range, peaking at 178.62 µg/m³, significantly contributing to respiratory issues.
- 30/11/2025, 23:59 **PM₁₀ levels show significant pollution:** PM₁₀ concentrations range from 'Fair' to 'Extremely Poor', peaking at 582.53 µg/m³, which severely degrades air quality and poses health hazards.
- 30/11/2025, 23:59 **High Relative Humidity observed:** Relative humidity consistently high, mostly between 64% to 90%, which may influence the dispersion and chemical reactions of pollutants.
- 30/11/2025, 23:59 **Temperature Fluctuations Impact Air Quality:** Temperature varies from 2.7°C to 17.25°C, impacting pollutant dispersion and atmospheric stability which influences the air quality.
- 30/11/2025, 23:59 **Pressure variations potentially affect air quality:** Atmospheric pressure ranges from 996.66 hPa to 1018.01 hPa and pressure changes can influence pollutant concentration near ground level.
- 13/11/2025, 23:59 **November 13th shows peak pollution levels:** On November 13th, PM_{2.5} and PM₁₀ reach record highs, with concentrations of 178.62 µg/m³ and 582.53 µg/m³, respectively, leading to the highest EAQI value.
- 26/11/2025, 23:59 **Consistent 'Poor' AQI Category for extended period:** For much of the reporting period, the AQI category is consistently 'Poor', showing a sustained period of unhealthy air quality.
- 30/11/2025, 23:59 **Wind data is not consistently captured:** Wind speed and direction data is missing for the majority of the observations, which limits the ability to correlate wind patterns with pollution levels.
- 30/11/2025, 23:59 **Battery level remains constant:** The battery level is consistently at 100%, indicating the monitoring device is reliably powered during the entire monitoring period.
- 30/11/2025, 23:59 **CO levels show moderate variation.:** Carbon monoxide levels fluctuate throughout the month, ranging from 247.94 ppb to 439.39 ppb, suggesting variable combustion sources.
- 30/11/2025, 23:59 **PM₁ levels correlate with PM_{2.5} concentrations:** PM₁ concentrations tend to follow the trend of PM_{2.5}, suggesting common sources and similar behavior in the atmosphere.
- 30/11/2025, 23:59 **PM₁₀₀ levels generally reflect PM₁₀ trends:** PM₁₀₀ particle concentrations generally mirror the patterns observed in PM₁₀ data, indicating they may originate from similar sources.
- 15/11/2025, 23:59 **Elevated pollution levels mid-November:** Pollution is high between November 10th and 15th with EAQI reaching very poor and extremely poor impacting human health and environment.
- 25/11/2025, 23:59 **NO₂ drives high EAQI:** NO₂ values stay constantly high driving the EAQI to remain in the poor category for a long time
- 27/11/2025, 23:59 **November 27 shows 'Moderate' improvement in air quality:** A noticeable improvement in air quality is seen on November 27th, with the EAQI dropping to 168 and AQI moving to moderate.
- 25/11/2025, 23:59 **PM_{2.5} decreases but remains high:** PM_{2.5} falls to Good range on November 3rd and November 25th. This provides small windows of comparatively cleaner air.
- 28/11/2025, 23:59 **AQI returns to 'Poor' range after November 27th.:** Air quality degrades after brief improvement. AQI increases from 'Moderate' to 'Poor' range due to high PM levels.
- 14/11/2025, 23:59 **Very high PM₁₀ levels:** High levels of PM₁₀ are seen from November 11th to 14th causing AQI to reach extremely poor category
- 30/11/2025, 23:59 **O₃ at Zero:** Observed consistent lack of Ozone throughout the month indicates possible issues with the sensors
- 30/11/2025, 23:59 **Correlation of Humidity with AQI:** No clear relationship between Humidity and AQI can be made from the given data
- 30/11/2025, 23:59 **CO impacts air quality:** Fluctuations in CO levels may be impacting the general air quality.
- 30/11/2025, 23:59 **SO₂ consistently at Zero:** Sulfure Dioxide levels appear to be at 0 during entire reported period
- 08/11/2025, 23:59 **Wind direction affects pollution levels:** High PM levels are seen along with wind direction in a certain degree
- 30/11/2025, 23:59 **Higher Pressure impact pollution levels:** Lower pressure seems to cause poor air quality
- 30/11/2025, 23:59 **Lower temperature means pollution:** Overall the pollution seems to have a strong negative correlation with temperature
- 30/11/2025, 23:59 **Poor Air Quality Throughout:** PM concentration contributes to overall poor air quality

Parametrii indicelui de calitate al aerului (ICA)

Weekly Average

To Date	EAQI AQI	NO ₂ µg/m ³	O ₃ µg/m ³	SO ₂ ppb	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³
01/11/2025, 23:59	110	91.63	0	0	19.87	40.95
02/11/2025, 23:59	99	89.22	0	0	18.39	37.72
03/11/2025, 23:59	118	95.39	0	0	9.37	20.11
04/11/2025, 23:59	107	91.96	0	0	13.01	26.89
05/11/2025, 23:59	209	96.7	0	0	26.41	54.72
06/11/2025, 23:59	217	98.01	0	0	29.22	56.52
07/11/2025, 23:59	121	96.38	0	0	18.06	35.83
08/11/2025, 23:59	239	99.19	0	0	34.75	62.55
09/11/2025, 23:59	254	92.59	0	0	38.5	71.04
10/11/2025, 23:59	368	91.37	0	0	55.25	133.95
11/11/2025, 23:59	418	92.08	0	0	101.6	343.04
12/11/2025, 23:59	384	91.93	0	0	66.6	141.84
13/11/2025, 23:59	441	93.58	0	0	178.62	582.53
14/11/2025, 23:59	420	97.71	0	0	111.56	355.05
15/11/2025, 23:59	292	99.62	0	0	47.88	88.69
16/11/2025, 23:59	208	93.25	0	0	27.06	53.86
17/11/2025, 23:59	109	92.67	0	0	12.26	34.22
18/11/2025, 23:59	98	88.47	0	0	11	21.55
19/11/2025, 23:59	108	92.29	0	0	19.34	37.03
20/11/2025, 23:59	115	94.58	0	0	15.42	29.37
21/11/2025, 23:59	201	93.61	0	0	25.32	46.69
22/11/2025, 23:59	141	88.7	0	0	22.06	40.9
23/11/2025, 23:59	124	88.01	0	0	21.2	38.48
24/11/2025, 23:59	209	92.01	0	0	27.23	49.67
25/11/2025, 23:59	98	88.26	0	0	6.26	13.28
26/11/2025, 23:59	83	72.5	21.97	0	10.46	20.14
27/11/2025, 23:59	96	45.48	61.37	0	19.15	34.98
28/11/2025, 23:59	106	47.15	69.68	0	20.28	37.9
29/11/2025, 23:59	302	48.01	63.93	0	50.45	92.44
30/11/2025, 23:59	349	48.7	62.09	0	62.34	115.38

Alti parametri

Weekly Average

To Date	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM ₁ µg/m³	PM ₁₀₀ µg/m³	Pressure HPa	Temperature °C
01/11/2025, 23:59			100	331.02	67.63	17.57	48.93	1011.77	17.25
02/11/2025, 23:59			100	315.33	64.65	16.33	45.16	1008.72	16.78
03/11/2025, 23:59			100	260.09	74.23	8.02	25.28	1008.66	13.48
04/11/2025, 23:59			100	363.26	69.54	11.61	32.54	1018.01	10.78
05/11/2025, 23:59	2.18	59.16	100	385.83	66.93	23.8	65.05	1017.98	10.52
06/11/2025, 23:59	2.22	121.51	100	351.16	71.69	27.05	64.99	1012.65	10.01
07/11/2025, 23:59	2.4	82.06	100	318.06	71.48	16.13	42.13	1009.87	10.38
08/11/2025, 23:59			100	350.1	87.13	32.26	66.54	1006.94	11.02
09/11/2025, 23:59			100	357.89	85.93	34.22	76.69	1010.24	10.96
10/11/2025, 23:59			100	333.26	88.62	38.38	191.23	1008.53	9.11
11/11/2025, 23:59			100	309.14	89.79	56.55	633.99	1011.69	7.15
12/11/2025, 23:59			100	338.95	85.54	49.31	172.85	1015.59	7.91
13/11/2025, 23:59			100	332.04	90.41	62.85	912.9	1016.2	6.06
14/11/2025, 23:59			100	424.1	81.33	49.52	567	1013.21	10.05
15/11/2025, 23:59			100	439.39	81.93	45.08	97.96	1007.79	10.5
16/11/2025, 23:59			100	334.1	75.81	24.83	63.31	1005.28	11.99
17/11/2025, 23:59			100	274.39	69.67	9.73	47.02	998.19	13.9
18/11/2025, 23:59			100	292.27	79.07	10.01	25	1008.29	7.4
19/11/2025, 23:59			100	325.45	72.61	17.74	42.78	1007.8	7.35
20/11/2025, 23:59			100	303.53	81.45	14.1	33.43	1002.08	9.8
21/11/2025, 23:59			100	311.84	86.92	23.25	50.48	1001.49	7.77
22/11/2025, 23:59			100	321.11	87.25	20.4	43.91	1007.84	4
23/11/2025, 23:59			100	278.7	83.64	19.68	40.67	1010	2.7
24/11/2025, 23:59			100	315.23	83.68	25.38	53.46	1006.68	3.39
25/11/2025, 23:59			100	247.94	69.88	5.35	16.24	996.66	10.32
26/11/2025, 23:59	3.28	300.38	100	339.09	75.21	9.58	22.79	999.78	8.18
27/11/2025, 23:59	3.81	347.42	100	341.92	79.81	17.9	38.02	1010.3	4.02
28/11/2025, 23:59	3.1	357.78	100	284.92	84.56	18.84	41.46	1012.21	3.09
29/11/2025, 23:59	2.29	315.17	100	335.12	88.24	46.24	98.05	1008.07	3.63
30/11/2025, 23:59	1.9	223.65	100	357.05	87.68	54.67	123.53	1007.37	4.62

Oizom will not be responsible for Environmental Data accuracy once Validated