

LBRUT Air Quality Monitoring results for Royal Parks and surrounding areas Aug 2020 - Dec 2024 inclusive

Monthly NO2 data Aug - Dec 2020

Site code	monthl y NO2 (ug/m3) Aug 2020	monthl y NO2 (ug/m3) Sept 2020	monthl y NO2 (ug/m3) Oct 2020	monthl y NO2 (ug/m3) Nov 2020	monthl y NO2 (ug/m3) Dec 2020
RP 01	11.92	14.45	14.94	23.87	19.14
RP 02	15.58	19.72	20	31.41	24.6
RP 03	12.91	14.31	15.34	23.7	21.86
RP 04	12.97	16.57	missing	21.22	19.17
RP 05	11.71	18.41	14.45	27.38	22.33
RP 06	15.56	21.77	25.38	37.91	22.04
BP 07	11.03	13.68	11.9	20.26	16.67
BP 08	11.34	15.87	12.01	23.93	22.18
RP 09	32.55	34.86	30.38	44.63	38.55
RP 10	29.63	39.27	41.02	40.08	36.53
RP 11	51.02	51.32	47.82	51.75	44.58
RP 12	51.54	45.53	47.25	57.22	46.38
28	12.43	14.23	13.64	20.27	19.93
30	missing	30.38	24.20	34.79	32.16
36	69.87	69.86	64.35	64.73	57.26
26	34.65	41.07	38.62	48.146	33.20
50	59.50	55.91	54.21	54.16	46.20
64	37.55	43.86	37.93	43.68	34.43

UK annual limit value: NO2 = 40 ug/m3

Key:

	0 - 20 ug/m3 (complies with UK annual NO2 limit value)
	20-40 ug/m3 (complies with UK annual NO2 limit value)
	40-60 ug/m3 (exceeds UK annual NO2 limit value)
	over 60 ug/m3 (likely to exceed UK hourly NO2 limit value)

Monthly, annual and bias corrected NO2 data Jan - Dec 2021

Site code	monthl y NO2 (ug/m3) Jan 2021	monthl y NO2 (ug/m3) Feb 2021	monthl y NO2 (ug/m3) Mar 2021	monthl y NO2 (ug/m3) Apr 2021	monthl y NO2 (ug/m3) May 2021	monthl y NO2 (ug/m3) Jun 2021	monthl y NO2 (ug/m3) Jul 2021	monthl y NO2 (ug/m3) Aug 2021	monthl y NO2 (ug/m3) Sept 2021	monthl y NO2 (ug/m3) Oct 2021	monthl y NO2 (ug/m3) Nov 2021	monthl y NO2 (ug/m3) Dec 2021	Total	Annual mean	Bias adjusted 0.87 rd/sd; 0.83 backgrnd
RP 01	19.48	17.99	16.07	15.27	12.31	11.89	11.97	8.41	15.15	13.29	19.89	16.17	177.88	14.8	12.3
RP 02	22.51	24.38	22.23	19.47	16.61	15.79	15.14	12.27	21.60	20.05	26.43	18.88	235.36	19.6	16.3
RP 03	19.82	17.79	16.46	16.1	10.31	11.8	10.57	8.65	16.84	14.43	18.81	16.31	177.89	14.8	12.3
RP 04	20.16	19.54	17.35	17.04	13.2	12.57	11.99	9.39	15.89	12.35	17.59	15.44	182.51	15.2	12.6
RP 05	26.03	missing	19.51	15.8	12.67	14	12.29	9.96	16.95	14.84	22.17	17.77	181.98	16.5	13.7
RP 06	26.5	22.08	21.52	18.45	19.45	18.86	19.17	13.82	21.63	22.48	30.65	21.47	256.08	21.3	17.7
BP 07	18.94	missing	15.79	14.51	9.21	10	10.44	8.09	12.52	10.76	19.02	14.69	143.97	13.1	10.9
BP 08	20.3	18.71	18.69	15.58	8.79	13.88	10.83	9.53	14.04	13.10	22.89	17.80	184.14	15.3	12.7
RP 09	33.65	40.69	34.28	32.82	33.26	33.8	33.94	26.51	43.18	34.62	40.20	35.74	422.68	35.2	29.2
RP 10	47.16	33.23	32.47	28.51	27.75	missing	31.20	23.06	25.11	34.66	43.13	32.43	358.72	32.6	27.1
RP 11	45.71	55.14	39.18	50.41	47.41	49.42	44.68	38.11	55.37	42.72	44.15	41.67	553.97	46.2	38.3
RP 12	47.85	58.72	43.51	42.4	39.88	48.63	51.40	29.78	50.23	48.39	44.96	42.04	547.80	45.6	37.9
28	21.67	17	17.03	15.99	12.52	10.57	11.60	9.19	14.63	10.86	20.44	14.28	175.79	14.6	12.2
30	33.10	31.56	31.09	32.12	24.39	24.37	23.79	24.13	32.56	25.49	31.82	30.60	345.02	28.8	23.9
36	64.58	64.86	62.72	53.09	70.53	65.92	36.06	54.81	84.89	70.25	72.83	57.06	757.60	63.1	52.4
26	39.80	37.34	38.06	40.25	36.54	35.04	36.51	29.44	42.33	33.09	48.04	37.47	453.90	37.8	31.4
50	52.62	49.64	52.34	54.76	53.34	51.48	46.74	44.22	67.98	48.00	59.42	missing	580.57	52.8	43.8
64	35.64	37.16	46.24	40.18	34.96	42.94	34.57	34.98	43.54	40.48	52.05	37.92	480.66	40.1	33.2

UK annual limit value: NO2 = 40 ug/m3

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Monthly, annual and bias corrected NO2 data Jan - Dec 2022

Site code	monthl y NO2 (ug/m3) Jan 2022	monthl y NO2 (ug/m3) Feb 2022	monthl y NO2 (ug/m3) Mar 2022	monthl y NO2 (ug/m3) Apr 2022	monthl y NO2 (ug/m3) May 2022	monthl y NO2 (ug/m3) Jun 2022	monthl y NO2 (ug/m3) Jul 2022	monthl y NO2 (ug/m3) Aug 2022	monthl y NO2 (ug/m3) Sept 2022	monthl y NO2 (ug/m3) Oct 2022	monthl y NO2 (ug/m3) Nov 2022	monthl y NO2 (ug/m3) Dec 2022	Total	Annual mean	Bias adjusted 0.82 roadside + backgrnd
RP 01	25.79	11.49	18.67	14.70	10.68	9.36	10.86	10.69	13.61	13.17	12.78	19.54	171.35	14.3	11.7
RP 02	32.08	16.35	23.44	15.51	13.68	12.29	12.07	15.85	16.72	17.94	19.48	26.74	222.15	18.5	15.2
RP 03	25.36	9.3	19.37	13.49	9.14	8.44	10.34	11.68	13.85	13.81	14.12	21.53	170.43	14.2	11.6
RP 04	21.26	11.54	16.26	14.49	10.46	9.45	10.13	12.87	13.58	13.29	11.55	missing	144.86	13.2	10.8
RP 05	29.81	12.62	21.23	14.51	12.35	10.41	10.80	13.23	15.22	12.91	14.19	22.94	190.22	15.9	13.0
RP 06	35.43	17.78	22.24	16.95	15.79	14.89	16.15	15.20	17.61	20.76	19.35	22.71	234.85	19.6	16.0
BP 07	22.78	9.05	14.08	11.81	8.85	6.93	9.86	missing	14.41	10.86	14.53	21.54	144.71	13.2	10.8
BP 08	27.36	missing	19.25	13.92	8.91	9.61	9.73	12.42	16.77	14.02	14.99	19.95	166.94	15.2	12.4
RP 09	55.26	26.91	43.69	29.75	28.63	26.79	28.20	26.07	31.97	30.25	33.93	33.41	394.86	32.9	27.0
RP 10	49.68	32.07	27.95	27.06	27.62	26.34	24.37	23.01	30.07	26.67	25.3	40.97	361.11	30.1	24.7
RP 11	54.51	35.22	52.98	41.17	43.22	43.24	42.31	44.17	48.25	40.22	43.62	44.33	533.24	44.4	36.4
RP 12	58.02	38.44	55.44	39.87	43.02	39.72	46.78	47.99	44.83	43.16	47.27	39.51	544.04	45.3	37.2
28	22.04	9.78	20.93	12.14	9.20	8.54	9.06	13.14	14.52	11.52	12.17	21.00	164.03	13.7	11.2
30	39.04	19.82	32.59	24.60	18.04	17.05	18.59	21.69	23.93	20.69	25.60	29.89	291.52	24.3	19.9
36	70.01	61.18	61.76	48.30	60.53	61.73	62.56	66.26	71.49	68.14	67.24	55.40	754.61	62.9	51.6
26	50.64	34.48	34.22	31.85	29.79	24.48	28.97	28.19	37.15	31.59	34.16	37.76	403.29	33.6	27.6
50	55.89	43.92	53.04	45.28	45.63	45.35	46.04	48.34	50.79	47.11	44.21	46.93	572.54	47.7	39.1
64	54.36	33.16	34.47	35.87	31.97	30.43	33.53	34.93	36.12	38.67	38.05	43.93	445.49	37.1	30.4

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Monthly, annual and bias corrected NO2 data Jan - Dec 2023

Site code	monthl y NO2 (ug/m3) Jan 2023	monthl y NO2 (ug/m3) Feb 2023	monthl y NO2 (ug/m3) Mar 2023	monthl y NO2 (ug/m3) Apr 2023	monthl y NO2 (ug/m3) May 2023	monthl y NO2 (ug/m3) Jun 2023	monthl y NO2 (ug/m3) Jul 2023	monthl y NO2 (ug/m3) Aug 2023	monthl y NO2 (ug/m3) Sept 2023	monthl y NO2 (ug/m3) Oct 2023	monthl y NO2 (ug/m3) Nov 2023	monthl y NO2 (ug/m3) Dec 2023	Total	Annual mean	Bias adjusted 0.86 roadside + backgrnd
RP 01	21.86	18.93	12.41	11.70	11.54	11.55	6.63	9.85	11.36	13.66	missing	9.78	139.27	12.7	10.9
RP 02	25.64	22.29	16.86	13.44	14.00	13.98	9.93	11.69	12.79	17.87	16.34	12.79	187.63	15.6	13.4
RP 03	23.19	18.74	10.19	12.73	9.88	10.53	7.67	8.61	10.83	13.01	13.27	11.40	150.04	12.5	10.8
RP 04	20.00	13.87	11.86	10.99	missing	12.59	7.42	9.39	10.92	13.17	11.58	9.81	131.59	12.0	10.3
RP 05	19.47	18.42	13.57	12.93	11.60	11.74	7.90	11.89	13.27	14.90	14.15	10.08	159.91	13.3	11.5
RP 06	26.34	24.01	17.02	13.65	13.11	14.95	14.01	15.78	13.93	19.05	missing	16.05	187.89	17.1	14.7
BP 07	19.37	15.68	11.33	9.28	9.25	9.76	6.10	8.93	9.88	12.47	13.15	8.75	133.96	11.2	9.6
BP 08	23.60	17.30	13.48	10.36	10.67	10.68	6.92	9.65	10.99	12.43	15.49	11.78	153.34	12.8	11.0
RP 09	19.86	31.18	24.18	27.48	22.78	24.03	20.44	24.88	33.23	33.60	32.17	22.73	316.57	26.4	22.7
RP 10	38.34	37.12	28.10	22.66	21.21	22.75	21.48	21.44	24.20	28.50	30.34	missing	296.15	26.9	23.2
RP 11	41.98	45.24	35.34	32.25	38.26	37.73	29.93	33.32	42.55	39.27	29.76	23.15	428.79	35.7	30.7
RP 12	45.53	44.49	39.29	38.48	36.57	39.27	33.21	33.25	36.98	37.52	30.09	25.78	440.46	36.7	31.6
28	22.63	18.79	12.25	13.24	9.55	10.01	6.89	10.78	10.71	13.80	15.06	10.33	154.04	12.8	11.0
30	31.84	29.04	21.84	22.91	20.03	missing	14.71	17.27	22.37	20.99	24.06	14.93	239.98	21.8	18.8
36	58.08	63.50	51.95	60.40	49.45	56.66	48.58	54.17	70.22	64.23	49.83	46.85	673.93	56.2	48.3
26	40.63	35.40	29.89	32.00	26.51	27.62	23.76	missing	32.56	35.69	38.13	29.40	351.60	32.0	27.5
50	44.09	52.80	39.84	49.57	44.40	39.13	38.61	43.68	49.19	48.98	46.25	37.09	533.62	44.5	38.2
64	43.91	44.22	30.15	31.43	30.84	29.50	24.61	26.76	30.75	32.22	35.03	25.47	384.89	32.1	27.6

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Monthly, annual and bias corrected NO2 data Jan - Dec 2024

Site code	monthl y NO2 (ug/m3) Jan 2024	monthl y NO2 (ug/m3) Feb 2024	monthl y NO2 (ug/m3) Mar 2024	monthl y NO2 (ug/m3) Apr 2024	monthl y NO2 (ug/m3) May 2024	monthl y NO2 (ug/m3) Jun 2024	monthl y NO2 (ug/m3) Jul 2024	monthl y NO2 (ug/m3) Aug 2024	monthl y NO2 (ug/m3) Sept 2024	monthl y NO2 (ug/m3) Oct 2024	monthl y NO2 (ug/m3) Nov 2024	monthl y NO2 (ug/m3) Dec 2024	Total	Annual mean	Bias adjusted 0.88 roadside + backgrnd
RP 01	14.38	11.72	11.77	5.21	10.74	7.31	7.69	8.44	10.80	11.91	14.73	11.25	125.97	10.5	9.2
RP 02	21.81	13.88	14.11	7.95	13.06	9.40	9.83	10.04	12.29	16.21	17.38	13.86	159.81	13.3	11.7
RP 03	19.11	9.82	12.94	7.74	9.18	7.02	7.45	8.23	11.41	12.72	18.60	11.71	135.93	11.3	10.0
RP 04	16.00	10.91	10.94	6.13	10.25	6.67	7.69	8.05	missing	13.45	15.47	12.87	118.42	10.8	9.5
RP 05	18.10	11.68	13.48	7.28	10.76	7.68	9.56	10.01	11.41	13.86	20.30	15.19	149.31	12.4	10.9
RP 06	18.02	14.15	16.01	9.85	12.61	13.16	14.19	11.45	13.80	16.62	23.58	14.48	177.93	14.8	13.0
BP 07	16.55	8.92	9.23	6.88	missing	6.96	6.25	7.17	10.32	11.92	17.58	10.34	112.12	10.2	9.0
BP 08	18.11	12.61	12.40	8.66	7.90	7.92	7.91	7.89	10.78	10.93	18.65	12.32	136.09	11.3	10.0
RP 09	28.88	23.35	27.73	22.32	26.46	26.49	27.83	23.49	27.37	28.81	31.34	27.19	321.26	26.8	23.6
RP 10	27.10	22.18	22.85	15.06	19.51	21.58	20.76	21.15	19.24	22.13	26.64	20.93	259.12	21.6	19.0
RP 11	38.45	28.96	35.66	21.27	31.04	28.54	27.44	29.54	33.04	33.56	33.51	23.18	364.18	30.3	26.7
RP 12	31.41	31.93	36.00	28.23	33.38	29.01	29.41	33.06	30.48	39.93	32.40	missing	355.23	32.3	28.4
28	15.89	10.27	missing	missing	10.13	7.67	7.24	7.45	11.15	12.43	16.01	11.57	109.80	11.0	9.7
30	26.26	19.54	19.89	12.34	19.10	15.86	15.31	14.80	18.53	22.61	25.65	17.69	227.57	19.0	16.7
36	45.98	50.18	54.27	43.44	53.33	51.18	52.05	52.82	53.54	55.16	54.66	missing	566.61	51.5	45.3
26	35.43	26.68	32.04	24.54	29.00	28.12	25.30	30.38	31.13	31.05	38.52	28.15	360.36	30.0	26.4
50	42.51	34.30	40.91	34.73	38.76	39.35	37.38	35.89	45.47	38.56	42.01	33.04	462.94	38.6	33.9
64	34.29	24.37	21.51	24.95	26.78	26.65	22.54	22.23	27.48	28.87	31.20	24.01	314.89	26.2	23.1

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