

Supplementary Table 1: Data Recovery Rates and Frequency Distribution of PM_{2.5} Measurements by Three Different Thresholds

Respondents' ID	BASELINE							FOLLOW-UP						
	Start	End	No. of records logged (n)	Total minutes of duration (min)	>15 µg/m ³ n > 15 (%)	>35 µg/m ³ n > 35 (%)	>250 µg/m ³ n > 250 (%)	Start	End	No. of records logged (n)	Total minutes of duration (min)	>15 µg/m ³ n > 15 (%)	>35 µg/m ³ n > 35 (%)	>250 µg/m ³ n > 250 (%)
UPM30	1641 19/2/21	0022 28/2/21	6373	12921	5243 (82.3)	1443(22.6)	11(0.17)	0930 1/4/21	0758 10/4/21	4386	10230	2315 (52.8)	351(8)	7(0.16)
UPM29	1542 21/06/21	0758 30/06/21	6426	12815	5856 (91.1)	2040(31.8)	47(0.73)	0007 26/7/21	0759 03/08/21	6248	12461	3630(58.1)	916(14.7)	166(2.66)
UPM27	0837 05/08/21	0758 14/08/21	5571	11109	5252 (94.3)	4071(73.1)	388(6.96)	0816 13/09/21	1046 20/09/21	5924	11815	4435(74.9)	2927(49.4)	100(1.69)
UPM26	1231 19/02/21	0758 28/02/21	5914	11792	5485 (92.8)	4143(70.1)	347(5.87)	1150 1/4/21	0758 10/4/21	5990	11948	3431(57.3)	1485(24.8)	252(4.21)
UPM21	0801 22/07/21	1234 30/07/21	5981	11981	5005 (83.7)	2610(43.6)	11(0.18)	0051 14/08/21	0759 22/08/21	6453	12868	4466(69.2)	919(14.2)	11(0.17)
UPM18	1450 28/7/21	0759 5/8/21	6364	12687	5467(85.9)	2442(24.4)	7(0.11)	1708 17/08/21	25/8/21 22:02	6316	12729	5127(81.2)	1382(21.9)	23(0.36)
UPM25	1024 04/08/21	0759 13/08/21	6157	12496	4208(68.3)	1160(18.8)	123(1.99)	1616 15/09/21	24/9/21 7:59	5967	11992	5418(90.8)	3384(56.7)	103(1.73)
IUUM01	0800 23/02/21	1817 03/03/21	5595	11158	4761(85.1)	1153(20.6)	104(1.86)	0801 02/04/21	1502 10/04/21	5320	10605	3405(64)	1046(19.7)	41(0.77)
IUUM13	1330 05/03/21	0759 12/03/21	5712	11395	5635(98.7)	4572(80.0)	1000(17.5)	0800 04/04/21	0759 13/04/21	1349	2689*	1146(85)	528(39.1)	90(6.67)
IUUM12	0803 20/02/21	1954 28/02/21	6278	12958	3543(56.4)	1165(18.6)	13(0.21)	0800 02/04/21	1727 08/04/21	6125	12215	5466(89.2)	2456(40.0)	0(0)
IUUM11	0801 22/03/21	1512 30/03/21	4466	10242	233652.3)	293(6.6)	6(0.13)	1201 20/05/21	0759 29/05/21	4420	8819*	4277(96.8)	1710(38.7)	1(0.02)
IUUM02	0801 28/05/21	0644 06/06/21	5279	12147	3634(68.8)	1753(33.2)	108(2.05)	0800 07/07/21	0019 16/07/21	6194	12375	1437(23.2)	422(6.8)	14(0.23)
IUUM10	2141 29/05/21	0759 07/06/21	6226	12913	3768(60.5)	926(14.9)	11(0.18)	0948 09/07/21	1030 18/07/21	5323	11448	4212(79.1)	1842(34.6)	30(0.56)
IUUM08	0801 08/06/21	0026 17/06/21	5652	11290	3295(58.3)	1504(26.6)	106(1.88)	0801 18/07/21	1002 27/07/21	4334	10157	1992(46.0)	938(21.6)	96(2.22)
IUUM07	2111 06/06/21	0758 15/06/21	5652	11268	815(14.4)	382(6.8)	16(0.28)	0800 11/08/21	0758 20/08/21	5729	11659	2374(41.4)	616(10.8)	73(1.27)
IUUM05	0800 14/06/21	1104 23/06/21	6555	12557	3481(53.1)	1134(17.3)	34(0.52)	0801 24/07/21	2230 01/08/21	5971	12079	3241(54.3)	1271(21.3)	8(0.13)
IUUM09	1955 27/07/12	2358 04/08/21	5668	11304	1849(32.6)	182(3.2)	2(0.04)	0852 12/09/21	2321 20/09/21	6098	12163	3260(53.5)	446(7.31)	75(1.23)
UMT06	2002 12/01/21	1400 20/01/21	6088	12137	5531(90.9)	3572(58.7)	25(0.41)	1625 07/03/21	0111 15/3/21	5987	11941	3468(57.9)	417(6.97)	19(0.32)
UMT08	2125 5/8/21	1921 13/8/21	4885	9750*	2857(58.5)	947(19.4)	14(0.29)	2236 28/8/21	19:26 30/8/21	6498	12959	5078(78.2)	1441(22.2)	383(5.89)
UMT10	0801 09/07/21	0759 18/07/21	6016	12953	5882(97.8)	4202(69.9)	267(4.44)	2023 28/7/21	0759 06/08/21	4210	9206*	3148(74.8)	1132(26.9)	108(2.57)
UMT14	0915 2/7/21	1157 9/7/21	5973	11951	2597(43.5)	1641(27.5)	161(2.69)	0745 21/7/21	1044 22/7/21	6375	12718	5285(82.9)	3288(51.6)	510(8.00)
UMT15	1628 21/1/21	1455 29/1/21	6458	12883	5065(78.4)	1876(29.1)	137(2.12)	1742 16/3/21	0758 25/3/21	6265	12499	2801(44.7)	1261(20.1)	81(1.29)
UMT16	0845 28/06/21	0758 06/07/21	6084	12137	5612(92.2)	2452(40.3)	105(1.73)	1516 29/7/21	1307 6/8/21	6204	12401	3584(57.8)	1831(29.5)	39(0.63)
UMT17	1443 23/6/21	1054 1/7/21	6270	11784	5616(89.6)	2816(44.9)	94(1.50)	1040 6/7/21	1150 13/7/21	6255	12482	5956(95.2)	4221(67.5)	109(1.74)
UMT18	1210 19/3/21	0759 27/3/21	6100	12167	5299(86.9)	1914(31.4)	7(0.11)	0938 13/6/21	1158 21/6/21	6494	12958	4290(66.1)	1217(18.7)	14(0.22)
UMT19	1026 6/3/21	0344 15/3/21	6288	12544	5084(80.9)	2351(37.4)	60(0.95)	2240 1/4/21	0759 10/4/21	6205	12389	5117(82.5)	3432(55.3)	104(1.68)
UMT20	1308 1/4/21	0932 9/4/21	5896	11763	4472(75.9)	2919(49.5)	22(0.37)	2116 12/6/21	0759 21/6/21	6208	12389	3404(54.8)	1028(16.6)	25(0.40)

*Measurements were conducted for less than 7 days; The data recovery percentage of slightly more than 100% in a number of homes is a technical artefact of the device occasionally logging concentrations to the SD card more frequently than the two-minute interval. A firmware problem of the device might explain the issue as has been mentioned in a previous study (Awokola et al., 2020). n: number of records logged into the Purple Air; min: minutes; %: percentage of data that fall under particular threshold.