

ภาคผนวก ข-8

ผลการตรวจวัดค่าความเข้มข้นมลสาร
จาก CEMs ระหว่างเดือน ก.ค. – ธ.ค. 65

ข้อมูล Cems FG กรกฎาคม 2565

Time	O ₂ ^{1/}	Sox @O ₂ 7% ^{2/}	CO @O ₂ 7% ^{3/}	Nox @O ₂ 7% ^{4/}	Dust @O ₂ 7% ^{5/}
Unit	%	ppm	ppm	ppm	mg/Nm3
EIA Limit	-	50	690	90	50
Shutdown 17/06/2022 - 06/07/2022					
7/7/2022 0:00	9.91	0.00	0.00	59.38	4.69
7/7/2022 1:00	9.55	0.00	0.00	56.54	3.99
7/7/2022 2:00	9.67	0.00	0.00	57.63	3.95
7/7/2022 3:00	9.62	0.00	0.00	56.42	3.99
7/7/2022 4:00	9.74	0.00	0.00	59.1	4.34
7/7/2022 5:00	9.70	0.00	0.00	59.61	4.53
7/7/2022 6:00	9.68	0.00	0.00	57.87	4.25
7/7/2022 7:00	9.41	0.00	0.00	56.08	4.88
7/7/2022 8:00	9.65	0.00	0.00	55.43	3.99
7/7/2022 9:00	9.33	0.00	0.00	56.34	4.15
7/7/2022 10:00	9.68	0.00	0.00	63.16	4.30
7/7/2022 11:00	9.41	0.00	0.00	58.32	4.09
7/7/2022 12:00	9.38	0.00	0.00	60.87	4.72
7/7/2022 13:00	9.68	0.00	0.00	57.58	5.20
7/7/2022 14:00	9.49	0.00	0.00	67.33	5.44
7/7/2022 15:00	9.05	0.00	0.00	57.36	4.86
7/7/2022 16:00	8.90	0.00	0.00	63.06	5.40
7/7/2022 17:00	8.79	0.00	0.00	63.81	5.16
7/7/2022 18:00	9.09	0.00	0.00	73.93	5.07
7/7/2022 19:00	8.97	0.00	0.00	71.33	4.98
7/7/2022 20:00	8.89	0.00	0.00	62.72	5.00
7/7/2022 21:00	9.52	0.00	0.00	58.43	4.39
7/7/2022 22:00	9.56	0.00	0.00	48.5	4.33
7/7/2022 23:00	9.52	0.00	0.00	49.37	4.16
8/7/2022 0:00	9.63	0.00	0.00	51.73	4.43
8/7/2022 1:00	10.03	0.00	0.00	55.42	3.90
8/7/2022 2:00	9.65	0.00	0.00	55.74	3.91
8/7/2022 3:00	9.56	0.00	0.00	54.69	3.90

8/7/2022 4:00	9.53	0.00	0.00	51.12	4.28
8/7/2022 5:00	9.43	0.00	0.00	45.48	4.29
8/7/2022 6:00	9.49	0.00	0.00	47.46	4.11
8/7/2022 7:00	9.52	0.00	0.00	49.53	4.99
8/7/2022 8:00	8.87	0.00	0.00	55.64	5.56
8/7/2022 9:00	9.38	0.00	0.00	68.53	5.19
8/7/2022 10:00	9.02	0.00	0.00	67.03	5.04
8/7/2022 11:00	9.99	0.00	0.00	77.69	4.22
8/7/2022 12:00	9.11	0.00	0.00	59.33	4.42
8/7/2022 13:00	9.01	0.00	0.00	63.93	4.83
8/7/2022 14:00	9.08	0.00	0.00	59.23	5.17
8/7/2022 15:00	9.85	0.00	0.00	73.13	4.96
8/7/2022 16:00	10.48	0.00	0.00	82.37	4.87
8/7/2022 17:00	9.57	0.00	0.00	60.61	3.92
8/7/2022 18:00	10.06	0.00	0.00	62.79	3.93
8/7/2022 19:00	9.44	0.00	0.00	50.11	3.89
8/7/2022 20:00	9.51	0.00	0.00	50.81	3.92
8/7/2022 21:00	10.08	0.00	0.00	61.96	3.96
8/7/2022 22:00	9.88	0.00	0.00	58.37	4.31
8/7/2022 23:00	9.95	0.00	0.00	59.87	4.32
9/7/2022 0:00	9.75	0.00	0.00	58.73	4.13
9/7/2022 1:00	9.81	0.00	0.00	62.42	4.48
9/7/2022 2:00	9.92	0.00	0.00	65.47	3.90
9/7/2022 3:00	9.85	0.00	0.00	66.19	3.92
9/7/2022 4:00	9.83	0.00	0.00	66.94	3.95
9/7/2022 5:00	9.78	0.00	0.00	65.23	4.19
9/7/2022 6:00	9.67	0.00	0.00	60.47	4.09
9/7/2022 7:00	9.39	0.00	0.00	55.34	4.82
9/7/2022 8:00	9.2	0.00	0.00	61.51	5.07
9/7/2022 9:00	9.79	0.00	0.00	68.02	4.32
9/7/2022 10:00	9.75	0.00	0.00	61.11	3.99
9/7/2022 11:00	9.68	0.00	0.00	64.58	4.04
9/7/2022 12:00	9.57	0.00	0.00	59.31	4.07

9/7/2022 13:00	9.57	0.00	0.00	60.21	4.35
9/7/2022 14:00	9.74	0.00	0.00	57.83	4.31
9/7/2022 15:00	9.71	0.00	0.00	62.83	4.29
9/7/2022 16:00	9.72	0.00	0.00	60.44	4.24
9/7/2022 17:00	9.69	0.00	0.00	57.94	3.92
9/7/2022 18:00	9.67	0.00	0.00	59.9	3.92
9/7/2022 19:00	9.52	0.00	0.00	58.64	3.94
9/7/2022 20:00	9.37	0.00	0.00	53.69	4.21
9/7/2022 21:00	9.44	0.00	0.00	53.82	4.53
9/7/2022 22:00	10.03	0.00	0.02	50.54	4.17
9/7/2022 23:00	9.57	0.00	0.00	65.08	4.12
10/7/2022 0:00	9.61	0.00	0.00	56.3	4.04
10/7/2022 1:00	9.68	0.00	0.00	55.6	4.08
10/7/2022 2:00	9.89	0.00	0.00	57.79	4.16
10/7/2022 3:00	9.62	0.00	0.00	56.58	3.99
10/7/2022 4:00	9.57	0.00	0.00	53.62	4.33
10/7/2022 5:00	9.53	0.00	0.00	52.73	4.29
10/7/2022 6:00	9.75	0.00	0.00	51.4	4.23
10/7/2022 7:00	9.67	0.00	0.00	55.05	4.37
10/7/2022 8:00	9.52	0.00	0.00	56.09	4.01
10/7/2022 9:00	9.6	0.00	0.00	53.75	4.07
10/7/2022 10:00	9.16	0.00	0.00	52.96	4.19
10/7/2022 11:00	9.34	0.00	0.00	46.91	4.48
10/7/2022 12:00	9.51	0.00	0.00	49.33	4.35
10/7/2022 13:00	9.75	0.00	0.00	56.45	4.29
10/7/2022 14:00	9.7	0.00	0.00	61.62	4.36
10/7/2022 15:00	9.76	0.00	0.00	58.13	4.04
10/7/2022 16:00	9.90	0.00	0.00	59.18	4.02
10/7/2022 17:00	9.90	0.00	0.00	64.16	4.03
10/7/2022 18:00	9.62	0.00	0.00	58.44	4.01
10/7/2022 19:00	9.49	0.00	0.00	56.24	4.01
10/7/2022 20:00	9.73	0.00	0.00	55.02	3.99
10/7/2022 21:00	9.73	0.00	0.00	53.38	4.46

10/7/2022 22:00	9.30	0.00	0.00	48.52	4.50
10/7/2022 23:00	9.38	0.00	0.00	49.52	4.39
11/7/2022 0:00	9.66	0.00	0.00	55.77	4.59
11/7/2022 1:00	9.62	0.00	0.00	54.44	4.09
11/7/2022 2:00	9.49	0.00	0.00	51.89	4.07
11/7/2022 3:00	9.71	0.00	0.00	58.21	4.12
11/7/2022 4:00	9.6	0.00	0.00	57.41	4.36
11/7/2022 5:00	9.52	0.00	0.00	51.6	4.30
11/7/2022 6:00	9.58	0.00	0.00	52.63	4.40
11/7/2022 7:00	9.53	0.00	0.00	50.82	4.49
11/7/2022 8:00	9.64	0.00	0.00	55.18	3.91
11/7/2022 9:00	9.42	0.00	0.00	48.47	3.85
11/7/2022 10:00	9.33	0.00	0.00	46.75	3.81
11/7/2022 11:00	9.47	0.00	0.00	50.68	3.87
11/7/2022 12:00	9.47	0.00	0.00	50.81	3.90
11/7/2022 13:00	9.41	0.00	0.00	51.16	4.19
11/7/2022 14:00	9.52	0.00	0.00	54.57	4.21
11/7/2022 15:00	9.53	0.00	0.00	54.45	4.17
11/7/2022 16:00	9.47	0.00	0.00	55.03	4.32
11/7/2022 17:00	9.59	0.00	0.00	53.58	3.91
11/7/2022 18:00	9.53	0.00	0.00	53.17	3.90
11/7/2022 19:00	9.46	0.00	0.00	50.13	4.21
11/7/2022 20:00	9.64	0.00	0.00	52.2	4.20
11/7/2022 21:00	9.49	0.00	0.00	49.59	4.19
11/7/2022 22:00	9.46	0.00	0.00	49.29	4.34
11/7/2022 23:00	16.88	0.00	0.00	65.47	6.44
12/7/2022 0:00	8.98	0.00	0.00	55.14	5.32
12/7/2022 1:00	9.19	0.00	0.00	55.57	4.49
12/7/2022 2:00	9.64	0.00	0.00	60.72	4.62
12/7/2022 3:00	9.14	0.00	0.00	59.73	5.43
12/7/2022 4:00	9.21	0.00	0.00	63.73	5.37
12/7/2022 5:00	9.36	0.00	0.00	64.52	5.06
12/7/2022 6:00	9.36	0.00	0.00	64.52	4.64

12/7/2022 7:00	10.59	0.00	0.00	74.03	4.37
12/7/2022 8:00	9.75	0.00	0.00	56.46	4.04
12/7/2022 9:00	9.69	0.00	0.00	52.9	4.00
12/7/2022 10:00	9.75	0.00	0.00	56.64	4.05
12/7/2022 11:00	9.85	0.00	0.00	56.29	4.04
12/7/2022 12:00	10.01	0.00	0.00	63.26	4.20
12/7/2022 13:00	9.43	0.00	0.00	51.26	4.39
12/7/2022 14:00	10.08	0.00	0.00	75.22	4.22
12/7/2022 15:00	10.02	0.00	0.00	74.17	4.16
12/7/2022 16:00	9.68	0.00	0.00	55.81	4.36
12/7/2022 17:00	9.92	0.00	0.00	55.99	3.94
12/7/2022 18:00	9.74	0.00	0.00	53.56	4.01
12/7/2022 19:00	9.26	0.00	0.00	45.55	4.26
12/7/2022 20:00	9.63	0.00	0.00	52.77	4.38
12/7/2022 21:00	9.77	0.00	0.00	54.4	4.23
12/7/2022 22:00	9.46	0.00	0.00	49.15	4.46
12/7/2022 23:00	8.58	0.00	0.00	60.6	5.70
13/7/2022 0:00	8.78	0.00	0.00	67.62	4.89
13/7/2022 1:00	8.38	0.00	0.00	64.15	4.76
13/7/2022 2:00	9.6	0.00	0.00	80.26	5.46
13/7/2022 3:00	8.74	0.00	0.00	71.06	6.04
13/7/2022 4:00	8.94	0.00	0.00	70.97	6.03
13/7/2022 5:00	9.32	0.00	0.00	81.71	5.98
13/7/2022 6:00	9.49	0.00	0.00	81.59	5.31
13/7/2022 7:00	10.03	0.00	0.00	74.3	4.77
13/7/2022 8:00	10.06	0.00	0.00	62.85	4.71
13/7/2022 9:00	9.96	0.00	0.00	56.82	4.62
13/7/2022 10:00	9.7	0.00	0.00	53.81	4.73
13/7/2022 11:00	10.33	0.00	0.00	66.45	4.65
13/7/2022 12:00	10.04	0.00	0.00	58.82	4.77
13/7/2022 13:00	10.11	0.00	0.00	73.27	4.96
13/7/2022 14:00	9.87	0.00	0.00	66.76	4.90
13/7/2022 15:00	10.14	0.00	0.00	62.37	5.18

13/7/2022 16:00	9.88	0.00	0.00	57.97	4.92
13/7/2022 17:00	9.85	0.00	0.00	58.1	4.63
13/7/2022 18:00	10.03	0.00	0.00	69.86	4.66
13/7/2022 19:00	8.93	0.00	0.00	46.31	6.52
13/7/2022 20:00	8.82	0.00	0.00	59.85	6.48
13/7/2022 21:00	8.81	0.00	0.00	53.61	6.81
13/7/2022 22:00	9.04	0.00	0.00	58.48	5.71
13/7/2022 23:00	8.6	0.00	0.00	59.08	5.53
14/7/2022 0:00	8.79	0.00	0.00	64.61	5.40
14/7/2022 1:00	8.57	0.00	0.00	58.89	5.22
14/7/2022 2:00	8.91	0.00	0.00	68.38	5.47
14/7/2022 3:00	8.91	0.00	0.00	68.12	5.81
14/7/2022 4:00	8.76	0.00	0.00	61.05	5.58
14/7/2022 5:00	8.97	0.00	0.00	67.27	6.03
14/7/2022 6:00	9.25	0.00	0.00	77.4	5.59
14/7/2022 7:00	9.13	0.00	0.00	69.78	5.39
14/7/2022 8:00	9.07	0.00	0.00	68.32	5.48
14/7/2022 9:00	9.22	0.00	0.00	74.44	6.47
14/7/2022 10:00	9.35	0.00	0.00	77.15	6.64
14/7/2022 11:00	9.16	0.00	0.00	73.89	5.59
14/7/2022 12:00	9.27	0.00	0.00	76.17	5.46
14/7/2022 13:00	9.22	0.00	0.00	71.11	6.04
14/7/2022 14:00	9.09	0.00	0.00	64.72	6.33
14/7/2022 15:00	9.03	0.00	0.00	64.25	6.20
14/7/2022 16:00	9.09	0.00	0.00	65.86	5.89
14/7/2022 17:00	9.17	0.00	0.00	64.26	5.99
14/7/2022 18:00	9.16	0.00	0.00	65.76	7.47
14/7/2022 19:00	9.53	0.00	0.00	68.31	8.23
14/7/2022 20:00	9.27	0.00	0.00	57.77	6.03
14/7/2022 21:00	9.32	0.00	0.00	60	5.92
14/7/2022 22:00	9.05	0.00	0.00	64.89	6.41
14/7/2022 23:00	8.93	0.00	0.00	70	5.50
15/7/2022 0:00	9.18	0.00	0.00	76.31	5.60

15/7/2022 1:00	9.01	0.00	0.00	75.48	5.53
15/7/2022 2:00	9	0.00	0.00	74.42	5.85
15/7/2022 3:00	9.22	0.00	0.00	78.4	5.98
15/7/2022 4:00	9.02	0.00	0.00	72.43	5.80
15/7/2022 5:00	9.16	0.00	0.00	77.73	5.36
15/7/2022 6:00	8.86	0.00	0.00	55.66	5.98
15/7/2022 7:00	9.1	0.00	0.00	68.16	5.98
15/7/2022 8:00	9.09	0.00	0.00	63.41	6.23
15/7/2022 9:00	9.07	0.00	0.00	60.24	6.58
15/7/2022 10:00	8.95	0.00	0.00	57.84	6.69
15/7/2022 11:00	9.05	0.00	0.00	57.29	6.10
15/7/2022 12:00	8.97	0.00	0.00	55.16	5.87
15/7/2022 13:00	8.93	0.00	0.00	54.25	5.83
15/7/2022 14:00	8.93	0.00	0.00	53.5	6.23
15/7/2022 15:00	9.08	0.00	0.00	56.74	6.39
15/7/2022 16:00	9.04	0.00	0.00	55.2	6.40
15/7/2022 17:00	9.16	0.00	0.00	57.61	6.94
15/7/2022 18:00	8.81	0.00	0.00	57.26	5.83
15/7/2022 19:00	8.87	0.00	0.00	61.21	5.65
15/7/2022 20:00	8.87	0.00	0.00	59.38	6.02
15/7/2022 21:00	8.73	0.00	0.00	59.35	6.33
15/7/2022 22:00	8.83	0.00	0.00	59.96	6.50
15/7/2022 23:00	8.88	0.00	0.00	59.24	6.60
16/7/2022 0:00	8.91	0.00	0.00	62.59	6.79
16/7/2022 1:00	9.12	0.00	0.00	66.94	6.41
16/7/2022 2:00	8.88	0.00	0.00	59.12	5.68
16/7/2022 3:00	9.04	0.00	0.00	62.38	5.54
16/7/2022 4:00	8.88	0.00	0.00	58.8	5.52
16/7/2022 5:00	8.85	0.00	0.00	60.11	5.83
16/7/2022 6:00	8.96	0.00	0.00	62.01	5.69
16/7/2022 7:00	9.09	0.00	0.00	63.64	5.92
16/7/2022 8:00	9	0.00	0.00	55.3	6.56
16/7/2022 9:00	9	0.00	0.00	59.73	6.56

16/7/2022 10:00	8.93	0.00	0.00	52.74	6.47
16/7/2022 11:00	9.08	0.00	0.00	56.23	6.03
16/7/2022 12:00	8.99	0.00	0.00	54.79	5.99
16/7/2022 13:00	8.89	0.00	0.00	55.48	6.16
16/7/2022 14:00	9.01	0.00	0.00	57.5	6.46
16/7/2022 15:00	9.06	0.00	0.00	58.43	6.09
16/7/2022 16:00	9.05	0.00	0.00	56.81	7.06
16/7/2022 17:00	9.04	0.00	0.00	53.62	6.74
16/7/2022 18:00	8.7	0.00	0.00	48.36	7.18
16/7/2022 19:00	8.87	0.00	0.00	51.93	6.14
16/7/2022 20:00	8.83	0.00	0.00	58.18	6.37
16/7/2022 21:00	8.94	0.00	0.00	60.68	6.51
16/7/2022 22:00	8.73	0.00	0.00	59.39	6.93
16/7/2022 23:00	8.92	0.00	0.00	63.29	6.94
17/7/2022 0:00	9.01	0.00	0.00	60	6.96
17/7/2022 1:00	9.08	0.00	0.00	61.15	5.84
17/7/2022 2:00	9.05	0.00	0.00	60.54	5.76
17/7/2022 3:00	9.1	0.00	0.00	68.55	5.79
17/7/2022 4:00	8.76	0.00	0.00	63.2	5.72
17/7/2022 5:00	9.06	0.00	0.00	64.3	5.71
17/7/2022 6:00	9.09	0.00	0.00	70.95	5.76
17/7/2022 7:00	9.02	0.00	0.57	68.79	5.85
17/7/2022 8:00	9.24	0.00	0.85	68.16	6.58
17/7/2022 9:00	9.13	0.00	1.2	58.41	6.35
17/7/2022 10:00	9.04	0.00	0.22	63.67	6.83
17/7/2022 11:00	9.03	0.00	0.00	64.23	5.89
17/7/2022 12:00	9.01	0.00	0.00	55.73	6.10
17/7/2022 13:00	9.03	0.00	0.00	56.43	6.22
17/7/2022 14:00	9.02	0.00	0.00	56.58	6.93
17/7/2022 15:00	9.2	0.00	0.00	63.01	7.24
17/7/2022 16:00	9.03	0.00	0.00	59.08	7.19
17/7/2022 17:00	8.6	0.00	0.00	45.28	7.69
17/7/2022 18:00	8.94	0.00	0.00	59.49	6.37

17/7/2022 19:00	8.93	0.00	0.00	61.05	6.19
17/7/2022 20:00	9.06	0.00	0.00	67.33	6.48
17/7/2022 21:00	8.8	0.00	0.00	59.89	6.97
17/7/2022 22:00	9.09	0.00	0.00	68.66	7.26
17/7/2022 23:00	8.97	0.00	0.00	63.52	7.05
18/7/2022 0:00	9.00	0.00	0.00	63.77	7.22
18/7/2022 1:00	8.91	0.00	0.00	58.96	6.97
18/7/2022 2:00	8.94	0.00	0.00	60.41	6.74
18/7/2022 3:00	9.06	0.00	0.00	64.14	6.51
18/7/2022 4:00	9.08	0.00	0.00	67.95	6.40
18/7/2022 5:00	8.97	0.00	0.00	65.65	6.06
18/7/2022 6:00	9.16	0.00	0.00	71.74	5.76
18/7/2022 7:00	9.16	0.00	0.00	69.79	6.27
18/7/2022 8:00	9.13	0.00	0.00	66.38	6.60
18/7/2022 9:00	9.26	0.00	0.00	59.73	6.50
18/7/2022 10:00	9.47	0.00	0.88	65.67	6.32
18/7/2022 11:00	9.15	0.00	1.66	59.24	5.53
18/7/2022 12:00	9.27	0.00	2.18	59.18	5.93
18/7/2022 13:00	9.21	0.00	2.39	62.04	6.34
18/7/2022 14:00	9.54	0.00	1.56	68.36	5.57
18/7/2022 15:00	9.24	0.00	1.53	60.44	5.75
18/7/2022 16:00	9.68	0.00	2.1	64.42	6.05
18/7/2022 17:00	9.44	0.00	1.89	57.99	6.22
18/7/2022 18:00	9.06	0.00	0.00	67.33	6.48
18/7/2022 19:00	8.8	0.00	0.00	59.89	6.97
18/7/2022 20:00	9.09	0.00	0.00	68.66	7.26
18/7/2022 21:00	8.97	0.00	0.00	63.52	7.05
18/7/2022 22:00	9.00	0.00	0.00	63.77	7.22
18/7/2022 23:00	8.91	0.00	0.00	58.96	6.97
19/7/2022 0:00	8.94	0.00	0.00	60.41	6.74
19/7/2022 1:00	9.06	0.00	0.00	64.14	6.51
19/7/2022 2:00	9.08	0.00	0.00	67.95	6.40
19/7/2022 3:00	8.97	0.00	0.00	65.65	6.06

19/7/2022 4:00	9.16	0.00	0.00	71.74	5.76
19/7/2022 5:00	9.16	0.00	0.00	69.79	6.27
19/7/2022 6:00	9.13	0.00	0.00	66.38	6.60
19/7/2022 7:00	9.06	0.00	0.00	67.33	6.48
19/7/2022 8:00	8.8	0.00	0.00	59.89	6.97
19/7/2022 9:00	9.09	0.00	0.00	68.66	7.26
19/7/2022 10:00	8.97	0.00	0.00	63.52	7.05
19/7/2022 11:00	9.00	0.00	0.00	63.77	7.22
19/7/2022 12:00	8.91	0.00	0.00	58.96	6.97
19/7/2022 13:00	8.94	0.00	0.00	60.41	6.74
19/7/2022 14:00	9.06	0.00	0.00	64.14	6.51
19/7/2022 15:00	9.08	0.00	0.00	67.95	6.40
19/7/2022 16:00	8.97	0.00	0.00	65.65	6.06
19/7/2022 17:00	9.16	0.00	0.00	71.74	5.76
19/7/2022 18:00	9.16	0.00	0.00	69.79	6.27
19/7/2022 19:00	9.13	0.00	0.00	66.38	6.60
19/7/2022 20:00	9.06	0.00	0.00	67.33	6.48
19/7/2022 21:00	8.8	0.00	0.00	59.89	6.97
19/7/2022 22:00	9.09	0.00	0.00	68.66	7.26
19/7/2022 23:00	8.97	0.00	0.00	63.52	7.05
20/7/2022 0:00	9.00	0.00	0.00	63.77	7.22
20/7/2022 1:00	8.91	0.00	0.00	58.96	6.97
20/7/2022 2:00	8.94	0.00	0.00	60.41	6.74
20/7/2022 3:00	9.06	0.00	0.00	64.14	6.51
20/7/2022 4:00	9.08	0.00	0.00	67.95	6.40
20/7/2022 5:00	8.97	0.00	0.00	65.65	6.06
20/7/2022 6:00	9.16	0.00	0.00	71.74	5.76
20/7/2022 7:00	9.16	0.00	0.00	69.79	6.27
20/7/2022 8:00	9.13	0.00	0.00	66.38	6.60
20/7/2022 9:00	9.79	0.00	0.00	48.25	5.00
20/7/2022 10:00	10.26	0.00	0.00	56.54	5.03
20/7/2022 11:00	9.95	0.00	0.00	51.84	5.35
20/7/2022 12:00	10.36	0.00	0.00	61.34	5.51

20/7/2022 13:00	9.91	0.00	0.00	57.46	5.33
20/7/2022 14:00	9.71	0.00	0.00	51.12	4.96
20/7/2022 15:00	9.87	0.00	1.03	50.53	5.17
20/7/2022 16:00	10.18	0.00	2.17	52.65	4.96
20/7/2022 17:00	9.92	0.00	3.06	50.82	5.04
20/7/2022 18:00	9.85	0.00	3.35	50.18	5.63
20/7/2022 19:00	9.96	0.00	3.44	50.96	5.51
20/7/2022 20:00	9.54	0.00	3.42	49.2	5.99
20/7/2022 21:00	11.49	0.00	4.22	63.91	6.24
20/7/2022 22:00	9.68	0.00	2.74	57.47	6.44
20/7/2022 23:00	9.5	0.00	1.42	51.28	6.32
21/7/2022 0:00	10.26	0.00	0.99	62.26	6.29
21/7/2022 1:00	10.22	0.00	0.00	62.93	6.17
21/7/2022 2:00	9.67	0.00	0.00	59.81	7.16
21/7/2022 3:00	9.55	0.00	0.00	49.35	6.68
21/7/2022 4:00	9.86	0.00	0.00	57.55	6.37
21/7/2022 5:00	9.72	0.00	0.00	55.28	5.12
21/7/2022 6:00	10.02	0.00	0.00	54.86	5.26
21/7/2022 7:00	10.25	0.00	0.00	52.81	5.17
21/7/2022 8:00	9.92	0.00	0.00	49.33	5.02
21/7/2022 9:00	10.07	0.00	0.73	53.49	5.05
21/7/2022 10:00	9.67	0.00	1.62	46.81	5.16
21/7/2022 11:00	10.17	0.00	1.8	54.38	5.22
21/7/2022 12:00	9.86	0.00	1.43	52.81	6.23
21/7/2022 13:00	10.02	0.00	1.11	49.28	5.78
21/7/2022 14:00	10.15	0.00	0.44	53.41	5.73
21/7/2022 15:00	10.07	0.00	0.64	49.38	5.39
21/7/2022 16:00	10.28	0.00	0.27	57.47	5.18
21/7/2022 17:00	10.13	0.00	0.00	55.25	5.06
21/7/2022 18:00	10.16	0.00	0.27	53.47	5.16
21/7/2022 19:00	9.87	0.00	1.31	58.06	5.48
21/7/2022 20:00	10.01	0.00	2.47	55.52	5.58
21/7/2022 21:00	9.51	0.00	0.98	46.57	6.41

21/7/2022 22:00	9.64	0.00	0.00	54.74	7.18
21/7/2022 23:00	9.40	0.00	0.00	50.25	6.22
22/7/2022 0:00	9.8	0.00	0.00	48.98	6.19
22/7/2022 1:00	10.22	0.00	0.00	53.73	5.93
22/7/2022 2:00	10	0.00	0.00	55.5	5.85
22/7/2022 3:00	10.17	0.00	0.00	56.91	5.52
22/7/2022 4:00	10.26	0.00	0.99	62.26	6.29
22/7/2022 5:00	10.22	0.00	0.00	62.93	6.17
22/7/2022 6:00	9.67	0.00	0.00	59.81	7.16
22/7/2022 7:00	9.55	0.00	0.00	49.35	6.68
22/7/2022 8:00	9.86	0.00	0.00	57.55	6.37
22/7/2022 9:00	9.72	0.00	0.00	55.28	5.12
22/7/2022 10:00	10.02	0.00	0.00	54.86	5.26
22/7/2022 11:00	10.25	0.00	0.00	52.81	5.17
22/7/2022 12:00	9.92	0.00	0.00	49.33	5.02
22/7/2022 13:00	10.07	0.00	0.73	53.49	5.05
22/7/2022 14:00	9.67	0.00	1.62	46.81	5.16
22/7/2022 15:00	10.17	0.00	1.8	54.38	5.22
22/7/2022 16:00	9.86	0.00	1.43	52.81	6.23
22/7/2022 17:00	10.02	0.00	1.11	49.28	5.78
22/7/2022 18:00	10.15	0.00	0.44	53.41	5.73
22/7/2022 19:00	10.07	0.00	0.64	49.38	5.39
22/7/2022 20:00	10.28	0.00	0.27	57.47	5.18
22/7/2022 21:00	10.13	0.00	0.00	55.25	5.06
22/7/2022 22:00	10.16	0.00	0.27	53.47	5.16
22/7/2022 23:00	9.87	0.00	1.31	58.06	5.48
23/7/2022 0:00	10.01	0.00	2.47	55.52	5.58
23/7/2022 1:00	9.51	0.00	0.98	46.57	6.41
23/7/2022 2:00	9.64	0.00	0.00	54.74	7.18
23/7/2022 3:00	9.40	0.00	0.00	50.25	6.22
23/7/2022 4:00	9.8	0.00	0.00	48.98	6.19
23/7/2022 5:00	10.26	0.00	0.99	62.26	6.29
23/7/2022 6:00	10.22	0.00	0.00	62.93	6.17

23/7/2022 7:00	9.67	0.00	0.00	59.81	7.16
23/7/2022 8:00	9.55	0.00	0.00	49.35	6.68
23/7/2022 9:00	9.86	0.00	0.00	57.55	6.37
23/7/2022 10:00	9.72	0.00	0.00	55.28	5.12
23/7/2022 11:00	10.02	0.00	0.00	54.86	5.26
23/7/2022 12:00	10.25	0.00	0.00	52.81	5.17
23/7/2022 13:00	9.92	0.00	0.00	49.33	5.02
23/7/2022 14:00	10.07	0.00	0.73	53.49	5.05
23/7/2022 15:00	9.67	0.00	1.62	46.81	5.16
23/7/2022 16:00	10.17	0.00	1.8	54.38	5.22
23/7/2022 17:00	9.86	0.00	1.43	52.81	6.23
23/7/2022 18:00	10.02	0.00	1.11	49.28	5.78
23/7/2022 19:00	10.15	0.00	0.44	53.41	5.73
23/7/2022 20:00	10.07	0.00	0.64	49.38	5.39
23/7/2022 21:00	10.28	0.00	0.27	57.47	5.18
23/7/2022 22:00	10.13	0.00	0.00	55.25	5.06
23/7/2022 23:00	10.16	0.00	0.27	53.47	5.16
24/7/2022 0:00	9.87	0.00	1.31	58.06	5.48
24/7/2022 1:00	10.01	0.00	2.47	55.52	5.58
24/7/2022 2:00	9.51	0.00	0.98	46.57	6.41
24/7/2022 3:00	9.64	0.00	0.00	54.74	7.18
24/7/2022 4:00	9.40	0.00	0.00	50.25	6.22
24/7/2022 5:00	9.8	0.00	0.00	48.98	6.19
24/7/2022 6:00	9.55	0.00	0.00	49.35	6.68
24/7/2022 7:00	9.86	0.00	0.00	57.55	6.37
24/7/2022 8:00	9.72	0.00	0.00	55.28	5.12
Shutdown 25/07/2022 - 29/07/2022					
31/7/2022 1:00	10.4	0.00	0.00	61.78	5.65
31/7/2022 2:00	10.46	0.00	0.00	60.07	5.91
31/7/2022 3:00	10.34	0.00	0.00	60.2	5.22
31/7/2022 4:00	10.41	0.00	0.00	59.22	5.40
31/7/2022 5:00	10.09	0.00	0.00	56.13	5.60
31/7/2022 6:00	10.32	0.00	0.00	61.56	5.80

31/7/2022 7:00	10.31	0.00	0.00	63.5	5.56
31/7/2022 8:00	9.95	0.00	0.00	65.36	6.16
31/7/2022 9:00	8.72	0.00	0.00	56.59	7.00
31/7/2022 10:00	8.92	0.00	0.00	60.72	6.71
31/7/2022 11:00	8.99	0.00	0.00	60.38	6.26
31/7/2022 12:00	8.76	0.00	0.00	57.02	5.86
31/7/2022 13:00	9.01	0.00	0.00	69.61	6.05
31/7/2022 14:00	9.02	0.00	0.00	65.59	6.84
31/7/2022 15:00	8.92	0.00	0.00	69.34	6.87
31/7/2022 16:00	8.96	0.00	0.00	64.27	6.56
31/7/2022 17:00	9.31	0.00	0.00	71.8	5.98
31/7/2022 18:00	9.05	0.00	0.00	67.67	5.98
31/7/2022 19:00	8.99	0.00	0.00	64.77	6.03
31/7/2022 20:00	8.95	0.00	0.00	58.16	6.23
31/7/2022 21:00	8.89	0.00	0.00	61.44	6.24
31/7/2022 22:00	8.95	0.00	0.00	59.63	6.77
31/7/2022 23:00	9.64	0.00	0.00	54.74	7.18
Average	9.47	0.00	0.19	59.47	5.49
Max	16.88	0.00	4.22	82.37	8.23
Min	8.38	0.00	0.00	45.28	3.81

^{1/} O₂ Lower detection limit = <0.04%O₂

^{2/} SO₂ Lower detection limit = 0.1 ppm

^{3/} CO Lower detection limit = 0.2 ppm

^{4/} NO_x Lower detection limit = 0.04 ppm

^{5/} calculate from opacity , Dust (mg/m³) = 3.878e^{0.073x} , x = opacity (%)

ข้อมูล Cems FG สิงหาคม 2565

Time	O ₂ ^{1/}	Sox @O ₂ 7% ^{2/}	CO @O ₂ 7% ^{3/}	Nox @O ₂ 7% ^{4/}	Dust @O ₂ 7% ^{5/}
Unit	%	ppm	ppm	ppm	mg/Nm3
EIA Limit	-	50	690	90	50
1/8/2022 0:00	10.36	0.00	0.00	70.24	6.15
1/8/2022 1:00	10.19	0.00	0.00	69.47	6.23
1/8/2022 2:00	10.18	0.00	0.00	65.19	6.48
1/8/2022 3:00	10.51	0.00	0.00	74.13	5.66
1/8/2022 4:00	10.18	0.00	0.00	73.48	5.51
1/8/2022 5:00	10.25	0.00	0.00	71.44	5.93
1/8/2022 6:00	10.42	0.00	0.00	76.65	5.99
1/8/2022 7:00	10.17	0.00	0.00	66.19	5.99
1/8/2022 8:00	10.26	0.00	0.00	67.11	5.85
1/8/2022 9:00	10.18	0.00	0.00	69.44	5.76
1/8/2022 10:00	9.14	0.00	0.00	58.97	6.99
1/8/2022 11:00	9.02	0.00	0.00	59.88	7.71
1/8/2022 12:00	8.83	0.00	0.00	56.46	6.99
1/8/2022 13:00	9.29	0.00	0.00	73.53	7.36
1/8/2022 14:00	9.64	0.00	0.00	76.66	7.18
1/8/2022 15:00	9.44	0.00	0.00	71.18	6.94
1/8/2022 16:00	9.12	0.00	0.00	65.3	6.54
1/8/2022 17:00	10.1	0.00	0.00	81	6.29
1/8/2022 18:00	9.95	0.00	0.00	66.06	6.03
1/8/2022 19:00	10.13	0.00	0.00	77.73	5.90
1/8/2022 20:00	9.61	0.00	0.00	64.21	5.63
1/8/2022 21:00	9.57	0.00	0.00	66.11	5.95
1/8/2022 22:00	10.17	0.00	0.00	57.89	5.49
1/8/2022 23:00	9.71	0.00	0.00	54.67	5.86
2/8/2022 0:00	10	0.00	0.00	61.23	6.17
2/8/2022 1:00	10.02	0.00	0.05	67.34	6.63
2/8/2022 2:00	10.02	0.00	0.09	60.08	5.51
2/8/2022 3:00	10.11	0.00	0.00	60.39	5.45
2/8/2022 4:00	9.91	0.00	0.11	53.66	5.57

2/8/2022 5:00	9.84	0.00	0.12	57.24	5.84
2/8/2022 6:00	10.01	0.00	0.01	60.51	5.83
2/8/2022 7:00	10.13	0.00	0.13	60.96	5.74
2/8/2022 8:00	9.87	0.00	0.1	56.74	5.48
2/8/2022 9:00	10.11	0.00	0.09	59.15	5.39
2/8/2022 10:00	9.96	0.00	0.00	60.13	5.60
2/8/2022 11:00	9.98	0.00	0.09	62.34	5.35
2/8/2022 12:00	9.91	0.00	0.11	66.67	12.77
2/8/2022 13:00	9.85	0.00	0.05	60.69	5.32
2/8/2022 14:00	9.77	0.00	0.07	58.36	5.48
2/8/2022 15:00	9.61	0.00	0.10	54.27	5.29
2/8/2022 16:00	9.73	0.00	0.00	55.56	5.63
2/8/2022 17:00	9.93	0.00	0.03	61.7	5.04
2/8/2022 18:00	10.04	0.00	0.12	63.8	5.13
2/8/2022 19:00	10.47	0.00	0.11	78.09	5.61
2/8/2022 20:00	10.01	0.00	0.06	66.22	4.95
2/8/2022 21:00	10.04	0.00	0.14	64.51	4.95
2/8/2022 22:00	9.82	0.00	0.14	59.76	5.40
2/8/2022 23:00	9.88	0.00	0.00	64.49	5.50
3/8/2022 0:00	9.77	0.00	0.12	62.75	5.24
3/8/2022 1:00	9.80	0.00	0.13	64.68	5.94
3/8/2022 2:00	9.83	0.00	0.00	54.88	5.05
3/8/2022 3:00	9.65	0.00	0.00	50.06	5.20
3/8/2022 4:00	9.72	0.00	0.12	49.89	5.34
3/8/2022 5:00	9.74	0.00	0.11	51.42	5.46
3/8/2022 6:00	9.93	0.00	0.06	59.35	5.81
3/8/2022 7:00	9.82	0.00	0.13	56.03	5.71
3/8/2022 8:00	9.69	0.00	0.13	52.38	5.19
3/8/2022 9:00	9.68	0.00	0.07	51.59	5.19
3/8/2022 10:00	8.88	0.00	0.08	52.5	7.57
3/8/2022 11:00	8.96	0.00	0.00	61.27	6.81
3/8/2022 12:00	9.18	0.00	0.00	66.19	7.90
3/8/2022 13:00	8.93	0.00	0.00	59.85	7.25

3/8/2022 14:00	9.01	0.00	0.00	65.19	6.55
3/8/2022 15:00	9.21	0.00	0.00	64.09	6.77
3/8/2022 16:00	9.7	0.00	0.00	71.21	6.16
3/8/2022 17:00	9.86	0.00	0.00	62.79	5.90
3/8/2022 18:00	9.63	0.00	0.00	60.5	5.92
3/8/2022 19:00	10.16	0.00	0.00	69	5.71
3/8/2022 20:00	9.91	0.00	0.07	63.38	5.44
3/8/2022 21:00	9.76	0.00	0.06	58.71	5.64
3/8/2022 22:00	10.06	0.00	0.01	53.39	5.56
3/8/2022 23:00	9.93	0.00	0.08	52.35	5.67
4/8/2022 0:00	10.49	0.00	0.00	63.83	5.84
4/8/2022 1:00	10.12	0.00	0.00	61.14	5.70
4/8/2022 2:00	10.26	0.00	0.00	67.99	5.25
4/8/2022 3:00	10.46	0.00	0.02	67.49	5.36
4/8/2022 4:00	10.21	0.00	0.00	68.63	5.21
4/8/2022 5:00	10.28	0.00	0.00	65.69	5.54
4/8/2022 6:00	10.27	0.00	0.00	67.5	5.74
4/8/2022 7:00	10.32	0.00	0.00	68.99	5.83
4/8/2022 8:00	10.06	0.00	0.00	69.25	5.62
4/8/2022 9:00	10.34	0.00	0.00	62.63	5.19
4/8/2022 10:00	9.08	0.00	0.00	53.44	6.60
4/8/2022 11:00	9.45	0.00	0.00	64.59	6.52
4/8/2022 12:00	10.67	0.00	0.00	83.21	5.89
4/8/2022 13:00	9.75	0.00	0.00	77.87	6.75
4/8/2022 14:00	9.73	0.00	0.00	68.25	7.16
4/8/2022 15:00	9.57	0.00	0.00	66.8	7.35
4/8/2022 16:00	9.43	0.00	0.00	69.64	6.75
4/8/2022 17:00	9.88	0.00	0.00	66.78	5.73
4/8/2022 18:00	9.65	0.00	0.00	59.59	5.57
4/8/2022 19:00	9.59	0.00	0.02	57.89	5.49
4/8/2022 20:00	9.81	0.00	0.12	48.48	5.42
4/8/2022 21:00	9.74	0.00	0.13	59.18	5.75
4/8/2022 22:00	10.56	0.00	0.00	68.88	5.42

4/8/2022 23:00	10.25	0.00	0.00	69.13	5.68
5/8/2022 0:00	10.2	0.00	0.00	63.7	5.78
5/8/2022 1:00	10.02	0.00	0.00	65.93	5.77
5/8/2022 2:00	10.15	0.00	0.10	66.06	5.34
5/8/2022 3:00	10.36	0.00	0.00	72.54	5.17
5/8/2022 4:00	10.32	0.00	0.00	70.43	5.33
5/8/2022 5:00	10.07	0.00	0.00	68.47	5.27
5/8/2022 6:00	9.92	0.00	0.00	64.46	5.86
5/8/2022 7:00	9.94	0.00	0.00	66.86	5.41
5/8/2022 8:00	10.26	0.00	0.00	67.7	5.81
5/8/2022 9:00	10.10	0.00	0.00	67.38	5.14
5/8/2022 10:00	9.78	0.00	0.00	71.36	5.75
5/8/2022 11:00	10.24	0.00	0.08	72.22	5.25
5/8/2022 12:00	9.41	0.00	0.00	58.1	6.49
5/8/2022 13:00	9.05	0.00	0.00	59.26	8.25
5/8/2022 14:00	9.2	0.00	0.00	55.24	7.88
5/8/2022 15:00	9.37	0.00	0.00	60.63	7.60
5/8/2022 16:00	9.00	0.00	0.00	55.92	7.88
5/8/2022 17:00	9.19	0.00	0.00	61.69	6.56
5/8/2022 18:00	9.43	0.00	0.00	65.87	6.41
5/8/2022 19:00	9.67	0.00	0.00	67.97	6.27
5/8/2022 20:00	10.47	0.00	0.00	58.14	5.30
5/8/2022 21:00	10.22	0.00	0.00	60.4	5.38
5/8/2022 22:00	10.17	0.00	0.00	58.55	5.67
5/8/2022 23:00	9.81	0.00	0.00	47.67	6.44
6/8/2022 0:00	9.73	0.00	0.00	48.14	6.53
6/8/2022 1:00	9.92	0.00	0.00	54.44	6.65
6/8/2022 2:00	10.14	0.00	0.00	55.77	5.72
6/8/2022 3:00	9.94	0.00	0.00	52.98	5.79
6/8/2022 4:00	9.89	0.00	0.00	59.66	5.52
6/8/2022 5:00	10.65	0.00	0.00	82.42	6.36
6/8/2022 6:00	10.48	0.00	0.00	71.61	6.25
6/8/2022 7:00	10.13	0.00	0.00	68.23	6.19

6/8/2022 8:00	10.21	0.00	0.00	73.79	6.28
6/8/2022 9:00	10.34	0.00	0.00	73.59	5.56
6/8/2022 10:00	9.42	0.00	0.00	69.19	6.58
6/8/2022 11:00	9.72	0.00	0.00	80.25	6.27
6/8/2022 12:00	9.77	0.00	0.00	71.83	5.96
6/8/2022 13:00	9.58	0.00	0.00	61.68	6.39
6/8/2022 14:00	8.97	0.00	0.00	59.07	7.64
6/8/2022 15:00	9.30	0.00	0.00	61.82	7.42
6/8/2022 16:00	9.46	0.00	0.00	64.62	7.89
6/8/2022 17:00	10.22	0.00	0.00	74.08	6.30
6/8/2022 18:00	9.58	0.00	0.00	60.82	6.09
6/8/2022 19:00	10.33	0.00	0.00	55.78	5.46
6/8/2022 20:00	10.22	0.00	0.00	60.42	5.83
6/8/2022 21:00	10.01	0.00	0.00	59.38	6.49
6/8/2022 22:00	10.22	0.00	0.00	58.21	5.77
6/8/2022 23:00	10.02	0.00	0.00	57.42	5.80
7/8/2022 0:00	9.88	0.00	0.00	54.31	6.05
7/8/2022 1:00	10.12	0.00	0.00	60.45	6.36
7/8/2022 2:00	10.29	0.00	0.00	64.73	5.38
7/8/2022 3:00	10.22	0.00	0.00	57.7	5.49
7/8/2022 4:00	9.9	0.00	0.00	49.95	5.61
7/8/2022 5:00	9.51	0.00	0.00	43.07	6.29
7/8/2022 6:00	9.74	0.00	0.00	47.51	6.49
7/8/2022 7:00	9.96	0.00	0.00	55.27	5.89
7/8/2022 8:00	10.18	0.00	0.00	65.67	5.67
7/8/2022 9:00	10.12	0.00	0.00	63.77	5.56
7/8/2022 10:00	9.23	0.00	0.00	63.01	7.28
7/8/2022 11:00	9.31	0.00	0.00	63.61	6.58
7/8/2022 12:00	9.66	0.00	0.00	61.93	6.25
7/8/2022 13:00	9.43	0.00	0.00	60.48	7.76
7/8/2022 14:00	9.81	0.00	0.00	53.41	7.19
7/8/2022 15:00	9.95	0.00	0.00	60.72	7.26
7/8/2022 16:00	9.76	0.00	0.00	50.93	7.06

7/8/2022 17:00	10.11	0.00	0.00	48.49	6.18
7/8/2022 18:00	10.01	0.00	0.00	51.46	6.41
7/8/2022 19:00	9.96	0.00	0.00	50.66	5.88
7/8/2022 20:00	10.17	0.00	0.00	55.51	5.79
7/8/2022 21:00	9.93	0.00	0.00	51.91	6.21
7/8/2022 22:00	9.95	0.00	0.00	45.49	6.48
7/8/2022 23:00	9.84	0.00	0.00	44.08	6.93
8/8/2022 0:00	9.63	0.00	0.00	42.73	6.80
8/8/2022 1:00	10.06	0.00	0.00	47.84	7.04
8/8/2022 2:00	9.97	0.00	0.00	43.8	5.87
8/8/2022 3:00	9.86	0.00	0.00	42.66	5.89
8/8/2022 4:00	9.76	0.00	0.00	42.56	6.02
8/8/2022 5:00	9.9	0.00	0.00	43.35	6.52
8/8/2022 6:00	9.98	0.00	0.00	47.88	6.67
8/8/2022 7:00	9.70	0.00	0.00	44.41	6.43
8/8/2022 8:00	9.92	0.00	0.00	41.94	6.45
8/8/2022 9:00	9.99	0.00	0.00	43.78	5.77
8/8/2022 10:00	9.9	0.00	0.00	66.18	7.36
8/8/2022 11:00	10.28	0.00	0.00	65.06	6.33
8/8/2022 12:00	10.39	0.00	0.00	64.72	6.55
8/8/2022 13:00	9.77	0.00	0.00	59.03	7.10
8/8/2022 14:00	9.39	0.00	0.00	56.82	7.68
8/8/2022 15:00	10.33	0.00	0.00	70.13	8.90
8/8/2022 16:00	9.95	0.00	0.00	55.31	9.09
8/8/2022 17:00	8.82	0.00	0.00	48.51	12.98
8/8/2022 18:00	9.45	0.00	0.00	53.65	10.62
8/8/2022 19:00	9.65	0.00	0.00	63.17	11.52
8/8/2022 20:00	9.59	0.00	0.00	51.76	13.29
8/8/2022 21:00	9.44	0.00	0.00	55.32	7.46
8/8/2022 22:00	10.59	0.00	0.00	52.82	6.57
8/8/2022 23:00	10.01	0.00	0.00	43.96	6.91
9/8/2022 0:00	10.14	0.00	0.00	46.42	6.87
9/8/2022 1:00	10.02	0.00	0.00	46.19	6.14

9/8/2022 2:00	10.14	0.00	0.00	47.51	5.99
9/8/2022 3:00	9.94	0.00	0.00	42.19	6.08
9/8/2022 4:00	10.15	0.00	0.00	46.65	5.80
9/8/2022 5:00	10.11	0.00	0.00	45.07	6.39
9/8/2022 6:00	10.17	0.00	0.00	44.58	6.57
9/8/2022 7:00	10.04	0.00	0.00	47.64	6.41
9/8/2022 8:00	10.05	0.00	0.00	46.59	6.57
9/8/2022 9:00	10.17	0.00	0.00	52.96	5.80
9/8/2022 10:00	10.09	0.00	0.00	49.8	5.83
9/8/2022 11:00	9.95	0.00	0.00	47.36	5.92
9/8/2022 12:00	9.98	0.00	0.00	51.18	5.91
9/8/2022 13:00	9.88	0.00	0.00	49.95	6.21
9/8/2022 14:00	9.91	0.00	0.00	46.51	6.46
9/8/2022 15:00	9.81	0.00	0.00	46.65	6.52
9/8/2022 16:00	10.07	0.00	0.00	51.29	5.95
9/8/2022 17:00	10.05	0.00	0.00	48.76	5.67
9/8/2022 18:00	9.92	0.00	0.00	46.51	5.65
9/8/2022 19:00	10.15	0.00	0.00	52.06	5.83
9/8/2022 20:00	9.8	0.00	0.00	52.84	6.64
9/8/2022 21:00	10.13	0.00	0.00	52.08	6.52
9/8/2022 22:00	10.04	0.00	0.00	52.95	6.21
9/8/2022 23:00	10.12	0.00	0.00	56.78	6.66
10/8/2022 0:00	9.96	0.00	0.00	48.54	6.56
10/8/2022 1:00	9.96	0.00	0.00	49.22	5.78
10/8/2022 2:00	10.02	0.00	0.00	49.62	5.95
10/8/2022 3:00	10.13	0.00	0.00	50.45	5.97
10/8/2022 4:00	9.99	0.00	0.00	44.01	5.99
10/8/2022 5:00	10.02	0.00	0.00	46.73	6.56
10/8/2022 6:00	9.86	0.00	0.00	45.99	6.62
10/8/2022 7:00	9.97	0.00	0.00	46.52	6.70
10/8/2022 8:00	10.05	0.00	0.00	45.66	6.79
10/8/2022 9:00	10.06	0.00	0.00	41.83	6.06
10/8/2022 10:00	9.06	0.00	0.00	42.89	8.06

10/8/2022 11:00	9.11	0.00	0.00	54	7.28
10/8/2022 12:00	9.18	0.00	0.00	63.66	6.80
10/8/2022 13:00	9.31	0.00	0.00	68.81	7.29
10/8/2022 14:00	9.34	0.00	0.00	65.23	7.52
10/8/2022 15:00	9.09	0.00	0.00	54.06	7.62
10/8/2022 16:00	9.2	0.00	0.00	62.49	7.39
10/8/2022 17:00	9.64	0.00	0.00	68	6.40
10/8/2022 18:00	10.04	0.00	0.00	68.03	15.88
10/8/2022 19:00	9.56	0.00	0.00	60.44	11.65
10/8/2022 20:00	10.37	0.00	0.00	76.8	9.84
10/8/2022 21:00	9.59	0.00	0.00	58.32	12.28
10/8/2022 22:00	10.67	0.00	0.00	53.9	8.31
10/8/2022 23:00	9.83	0.00	0.00	39.88	6.00
11/8/2022 0:00	10.05	0.00	0.00	51.58	6.60
11/8/2022 1:00	10.05	0.00	0.00	51.71	6.61
11/8/2022 2:00	10.05	0.00	0.00	53.56	6.59
11/8/2022 3:00	10.18	0.00	0.00	58.69	5.68
11/8/2022 4:00	10.2	0.00	0.00	55.65	5.78
11/8/2022 5:00	10.27	0.00	0.00	57.34	6.02
11/8/2022 6:00	10.05	0.00	0.00	58.68	6.34
11/8/2022 7:00	10.21	0.00	0.00	62.89	6.02
11/8/2022 8:00	10.12	0.00	0.00	62.54	6.34
11/8/2022 9:00	10.39	0.00	0.00	65.56	5.52
11/8/2022 10:00	8.95	0.00	0.00	57.22	6.77
11/8/2022 11:00	9.45	0.00	0.00	70.61	6.05
11/8/2022 12:00	9.75	0.00	0.00	68.33	6.10
11/8/2022 13:00	9.25	0.00	0.00	60.78	7.34
11/8/2022 14:00	9.12	0.00	0.00	58.44	8.27
11/8/2022 15:00	9.77	0.00	0.00	67.48	7.29
11/8/2022 16:00	10.17	0.00	0.00	77.45	6.88
11/8/2022 17:00	10.52	0.00	0.00	71	5.89
11/8/2022 18:00	9.98	0.00	0.00	52.61	5.89
11/8/2022 19:00	10.37	0.00	0.00	56.87	5.80

11/8/2022 20:00	10.04	0.00	0.00	52.88	5.72
11/8/2022 21:00	9.66	0.00	0.00	44.86	5.87
11/8/2022 22:00	10.12	0.00	0.00	53.6	6.18
11/8/2022 23:00	10.03	0.00	0.00	52.03	5.77
12/8/2022 0:00	10.04	0.00	0.00	55.12	5.58
12/8/2022 1:00	9.98	0.00	0.00	49.02	5.72
12/8/2022 2:00	10.1	0.00	0.00	53.88	5.56
12/8/2022 3:00	10.07	0.00	0.00	54.16	5.65
12/8/2022 4:00	9.97	0.00	0.00	54.04	5.57
12/8/2022 5:00	10.24	0.00	0.00	60.08	6.26
12/8/2022 6:00	10.23	0.00	0.00	58.09	6.43
12/8/2022 7:00	10.14	0.00	0.00	56.67	7.00
12/8/2022 8:00	10.03	0.00	0.00	54.62	7.62
12/8/2022 9:00	9.99	0.00	0.00	52.44	6.09
12/8/2022 10:00	10.09	0.00	0.00	52.85	5.86
12/8/2022 11:00	9.96	0.00	0.00	52.2	6.06
12/8/2022 12:00	9.75	0.00	0.00	48.89	5.80
12/8/2022 13:00	9.69	0.00	0.00	47.33	6.50
12/8/2022 14:00	10.01	0.00	0.00	59.96	25.29
12/8/2022 15:00	9.9	0.00	0.00	50.33	6.18
12/8/2022 16:00	10.02	0.00	0.00	50.43	6.11
12/8/2022 17:00	10.04	0.00	0.00	49.03	5.46
12/8/2022 18:00	10.02	0.00	0.00	50	5.61
12/8/2022 19:00	9.82	0.00	0.00	45.06	5.50
12/8/2022 20:00	10.21	0.00	0.00	53.36	5.58
12/8/2022 21:00	10.11	0.00	0.00	50.68	5.55
12/8/2022 22:00	9.92	0.00	0.00	47.95	5.85
12/8/2022 23:00	10.16	0.00	0.00	53.71	6.19
13/8/2022 0:00	10.01	0.00	0.00	50.32	6.51
13/8/2022 1:00	10.2	0.00	0.00	52.73	6.19
13/8/2022 2:00	10.38	0.00	0.00	53.9	5.45
13/8/2022 3:00	10.31	0.00	0.00	55.39	5.35
13/8/2022 4:00	10.16	0.00	0.00	51.48	5.41

13/8/2022 5:00	9.93	0.00	0.00	41.47	5.66
13/8/2022 6:00	9.92	0.00	0.00	45.57	6.20
13/8/2022 7:00	10.14	0.00	0.00	54.18	6.41
13/8/2022 8:00	10.03	0.00	0.00	53.95	6.74
13/8/2022 9:00	10.28	0.00	0.00	55.74	5.88
13/8/2022 10:00	9.14	0.00	0.00	47.81	8.56
13/8/2022 11:00	9.1	0.00	0.00	50.33	8.13
13/8/2022 12:00	9.19	0.00	0.00	45.29	7.64
13/8/2022 13:00	9.25	0.00	0.00	44.92	7.24
13/8/2022 14:00	9.28	0.00	0.00	48.44	6.84
13/8/2022 15:00	9.2	0.00	0.00	46.63	6.71
13/8/2022 16:00	9.32	0.00	0.00	48.46	6.51
13/8/2022 17:00	9.27	0.00	0.00	47.32	6.58
13/8/2022 18:00	9.11	0.00	0.00	46.68	6.54
13/8/2022 19:00	9.05	0.00	0.00	50.41	6.20
13/8/2022 20:00	9.55	0.00	0.00	61.99	6.23
13/8/2022 21:00	9.33	0.00	0.00	56.31	6.21
13/8/2022 22:00	9.1	0.00	0.00	56.07	6.25
13/8/2022 23:00	9.54	0.00	0.00	62.47	7.03
14/8/2022 0:00	9.52	0.00	0.00	57.93	8.01
14/8/2022 1:00	9.73	0.00	0.00	65.49	8.37
14/8/2022 2:00	9.84	0.00	0.00	70.5	6.77
14/8/2022 3:00	9.75	0.00	0.00	66.31	6.59
14/8/2022 4:00	9.75	0.00	0.00	65.21	6.55
14/8/2022 5:00	9.55	0.00	0.00	58.61	7.63
14/8/2022 6:00	9.57	0.00	0.00	60.22	7.93
14/8/2022 7:00	9.71	0.00	0.00	63.24	7.68
14/8/2022 8:00	9.32	0.00	0.00	55.95	8.17
14/8/2022 9:00	9.23	0.00	0.00	52.6	7.04
14/8/2022 10:00	9.25	0.00	0.00	54.22	6.63
14/8/2022 11:00	9.19	0.00	0.00	56.44	6.39
14/8/2022 12:00	9.18	0.00	0.00	55.51	6.86
14/8/2022 13:00	9.11	0.00	0.00	57.01	6.83

14/8/2022 14:00	9.57	0.00	0.00	68.1	7.20
14/8/2022 15:00	9.32	0.00	0.00	55.94	7.88
14/8/2022 16:00	9.21	0.00	0.00	57.08	6.60
14/8/2022 17:00	9.49	0.00	0.00	64.28	6.58
14/8/2022 18:00	9.35	0.00	0.00	59.8	6.98
14/8/2022 19:00	9.18	0.00	0.00	58.36	6.65
14/8/2022 20:00	9.26	0.00	0.00	62.26	6.71
14/8/2022 21:00	9.42	0.00	0.00	64.02	6.89
14/8/2022 22:00	9.14	0.00	0.00	57.76	7.96
14/8/2022 23:00	9.28	0.00	0.00	59.98	8.21
15/8/2022 0:00	9.25	0.00	0.00	59.43	8.35
15/8/2022 1:00	9.33	0.00	0.00	59.9	8.20
15/8/2022 2:00	9.19	0.00	0.00	56.46	7.22
15/8/2022 3:00	9.26	0.00	0.00	59.46	6.79
15/8/2022 4:00	9.44	0.00	0.00	64.58	7.03
15/8/2022 5:00	9.45	0.00	0.00	60.52	6.94
15/8/2022 6:00	9.36	0.00	0.00	61.49	7.59
15/8/2022 7:00	9.31	0.00	0.00	69.11	7.90
15/8/2022 8:00	9.6	0.00	0.00	70.88	7.11
15/8/2022 9:00	9.45	0.00	0.00	66.6	6.90
15/8/2022 10:00	9.16	0.00	0.00	60.53	6.50
15/8/2022 11:00	9.44	0.00	0.00	74.95	6.32
15/8/2022 12:00	9.82	0.00	0.00	69.93	6.34
15/8/2022 13:00	9.36	0.00	0.00	64.59	6.83
15/8/2022 14:00	9.45	0.00	0.00	66.35	7.29
15/8/2022 15:00	9.24	0.00	0.00	60.2	7.09
15/8/2022 16:00	9.09	0.00	0.00	53.74	7.36
15/8/2022 17:00	9.06	0.00	0.00	55.87	6.45
15/8/2022 18:00	9.38	0.00	0.00	59.24	6.51
15/8/2022 19:00	9.4	0.00	0.00	56.47	6.64
15/8/2022 20:00	9.14	0.00	0.00	53.85	6.54
15/8/2022 21:00	9.17	0.00	0.00	55.68	6.72
15/8/2022 22:00	9.32	0.00	0.00	59.85	7.59

15/8/2022 23:00	9.24	0.00	0.00	57.17	7.76
16/8/2022 0:00	9.45	0.00	0.00	62.51	7.64
16/8/2022 1:00	9.5	0.00	0.00	58.97	7.00
16/8/2022 2:00	9.42	0.00	0.00	55.73	7.12
16/8/2022 3:00	9.29	0.00	0.00	56.88	6.83
16/8/2022 4:00	9.25	0.00	0.00	55.87	6.70
16/8/2022 5:00	9.38	0.00	0.00	58.44	6.77
16/8/2022 6:00	9.18	0.00	0.00	50.17	7.54
16/8/2022 7:00	9.19	0.00	0.00	55.4	7.55
16/8/2022 8:00	9.54	0.00	0.00	63.28	7.62
16/8/2022 9:00	9.34	0.00	0.00	55.45	8.03
16/8/2022 10:00	9.36	0.00	0.00	49.98	7.19
16/8/2022 11:00	9.2	0.00	0.00	52.71	7.23
16/8/2022 12:00	9.42	0.00	0.00	57.84	6.66
16/8/2022 13:00	9.45	0.00	0.00	57.39	6.63
16/8/2022 14:00	9.36	0.00	0.00	59.16	6.65
16/8/2022 15:00	9.53	0.00	0.00	64.69	6.52
16/8/2022 16:00	9.3	0.00	0.00	48.93	7.02
16/8/2022 17:00	9.23	0.00	0.00	49.06	7.02
16/8/2022 18:00	9.18	0.00	0.00	61.56	6.52
16/8/2022 19:00	9.35	0.00	0.00	59.02	6.67
16/8/2022 20:00	9.51	0.00	0.00	57.14	6.54
16/8/2022 21:00	9.26	0.00	0.00	54.31	6.54
16/8/2022 22:00	9.27	0.00	0.00	57.21	7.49
16/8/2022 23:00	9.69	0.00	0.00	64.1	8.44
17/8/2022 0:00	9.49	0.00	0.00	58.66	8.90
17/8/2022 1:00	9.37	0.00	0.00	60.19	8.58
17/8/2022 2:00	10.74	0.00	0.00	74.14	6.57
17/8/2022 3:00	10.94	0.00	0.00	57.14	6.35
17/8/2022 4:00	10.24	0.00	0.00	46.67	6.42
17/8/2022 5:00	10.37	0.00	0.00	46.88	6.33
17/8/2022 6:00	10.51	0.00	0.00	49.08	6.93
17/8/2022 7:00	10.45	0.00	0.00	49.88	7.01

17/8/2022 8:00	10.38	0.00	0.00	51.58	6.77
17/8/2022 9:00	10.51	0.00	0.00	53.85	6.41
17/8/2022 10:00	10.78	0.00	0.00	56.28	6.10
17/8/2022 11:00	9.81	0.00	0.00	47.08	6.54
17/8/2022 12:00	10.05	0.00	0.00	49.24	6.41
17/8/2022 13:00	10.6	0.00	0.00	58.79	7.03
17/8/2022 14:00	9.89	0.00	0.00	47.76	7.63
17/8/2022 15:00	9.92	0.00	0.00	43.45	7.17
17/8/2022 16:00	10.1	0.00	0.00	48.84	7.76
17/8/2022 17:00	9.49	0.00	0.00	53.03	6.98
17/8/2022 18:00	9.48	0.00	0.00	51.41	10.16
17/8/2022 19:00	9.53	0.00	0.00	46.95	7.16
17/8/2022 20:00	9.59	0.00	0.00	53.99	7.00
17/8/2022 21:00	9.14	0.00	0.00	49.93	6.95
17/8/2022 22:00	9.79	0.00	0.00	58.57	7.12
17/8/2022 23:00	9.92	0.00	0.00	57.58	7.53
18/8/2022 0:00	9.44	0.00	0.00	49.3	7.80
18/8/2022 1:00	9.65	0.00	0.00	50.89	8.07
18/8/2022 2:00	9.99	0.00	0.00	49.47	6.48
18/8/2022 3:00	10.07	0.00	0.00	51.53	6.50
18/8/2022 4:00	9.7	0.00	0.00	45.67	6.82
18/8/2022 5:00	10.44	0.00	0.00	57.1	6.66
18/8/2022 6:00	9.86	0.00	0.00	43.45	7.26
18/8/2022 7:00	10.27	0.00	0.00	49.96	7.18
18/8/2022 8:00	10.59	0.00	0.00	45.42	7.03
18/8/2022 9:00	10.15	0.00	0.00	44.4	6.34
18/8/2022 10:00	10.38	0.00	0.00	46.87	6.41
18/8/2022 11:00	10.27	0.00	0.00	43.8	6.04
18/8/2022 12:00	9.98	0.00	0.00	43.59	6.23
18/8/2022 13:00	10.27	0.00	0.00	50.46	6.28
18/8/2022 14:00	10.01	0.00	0.00	57.3	8.39
18/8/2022 15:00	9.19	0.00	0.00	49.15	8.55
18/8/2022 16:00	9.34	0.00	0.00	46.71	8.86

18/8/2022 17:00	9.1	0.00	0.00	47.76	8.11
18/8/2022 18:00	9.33	0.00	0.00	53.74	6.57
18/8/2022 19:00	9.13	0.00	0.00	52.51	6.42
18/8/2022 20:00	9.2	0.00	0.00	53.93	6.62
18/8/2022 21:00	9.34	0.00	0.00	55.37	6.46
18/8/2022 22:00	10.47	0.00	0.00	58.17	6.46
18/8/2022 23:00	9.92	0.00	0.00	50.1	6.99
19/8/2022 0:00	10.12	0.00	0.00	48.4	7.16
19/8/2022 1:00	10.4	0.00	0.00	47.86	6.13
19/8/2022 2:00	10.03	0.00	0.00	43.8	6.77
19/8/2022 3:00	10.32	0.00	0.00	52.19	6.01
19/8/2022 4:00	10.12	0.00	0.00	44.44	6.17
19/8/2022 5:00	10.12	0.00	0.00	43.11	6.65
19/8/2022 6:00	10.03	0.00	0.00	44.67	6.41
19/8/2022 7:00	10.21	0.00	0.00	54.73	6.73
19/8/2022 8:00	10.19	0.00	0.00	48.55	7.17
19/8/2022 9:00	10.16	0.00	0.00	56.95	7.67
19/8/2022 10:00	9.69	0.00	0.00	54.38	8.12
19/8/2022 11:00	9.28	0.00	0.00	50.39	7.88
19/8/2022 12:00	9.42	0.00	0.00	55.21	8.27
19/8/2022 13:00	9.29	0.00	0.00	58.19	8.30
19/8/2022 14:00	9.46	0.00	0.00	61.36	8.04
19/8/2022 15:00	9.43	0.00	0.00	57.74	8.60
19/8/2022 16:00	9.14	0.00	0.00	55.34	7.26
19/8/2022 17:00	9.26	0.00	0.00	57.98	6.81
19/8/2022 18:00	9.8	0.00	0.00	66.8	6.53
19/8/2022 19:00	9.81	0.00	0.00	68.72	6.52
19/8/2022 20:00	9.64	0.00	0.00	66.91	6.67
19/8/2022 21:00	9.39	0.00	0.00	61.06	7.01
19/8/2022 22:00	11.01	0.00	0.00	65.52	6.18
19/8/2022 23:00	10.23	0.00	0.00	46.34	6.84
20/8/2022 0:00	10.61	0.00	0.00	52.05	7.51
20/8/2022 1:00	10.61	0.00	0.00	53.23	9.35

20/8/2022 2:00	10.52	0.00	0.00	48.64	6.61
20/8/2022 3:00	10.22	0.00	0.00	44.58	5.90
20/8/2022 4:00	10.26	0.00	0.00	46.75	6.15
20/8/2022 5:00	10.52	0.00	0.00	53.06	16.68
20/8/2022 6:00	10.5	0.00	0.00	49.63	6.57
20/8/2022 7:00	10.15	0.00	0.00	45.29	6.60
20/8/2022 8:00	10.06	0.00	0.00	51.55	6.60
20/8/2022 9:00	9.44	0.00	0.00	46.62	8.02
20/8/2022 10:00	9.16	0.00	0.00	41.52	9.67
20/8/2022 11:00	9.24	0.00	0.00	53.38	7.93
20/8/2022 12:00	9.26	0.00	0.00	51.11	7.32
20/8/2022 13:00	9.29	0.00	0.00	56.01	7.07
20/8/2022 14:00	9.2	0.00	0.00	52.82	6.93
20/8/2022 15:00	9.21	0.00	0.00	53.46	7.54
20/8/2022 16:00	9.45	0.00	0.00	54.14	8.06
20/8/2022 17:00	9.53	0.00	0.00	52.02	8.05
20/8/2022 18:00	9.4	0.00	0.00	57.06	7.60
20/8/2022 19:00	9.5	0.00	0.00	58.77	6.77
20/8/2022 20:00	9.55	0.00	0.00	59.5	6.84
20/8/2022 21:00	9.5	0.00	0.00	55.97	6.95
20/8/2022 22:00	10.32	0.00	0.00	70.13	6.69
20/8/2022 23:00	9.72	0.00	0.00	48.68	7.68
21/8/2022 0:00	10.18	0.00	0.00	54.65	8.32
21/8/2022 1:00	10.11	0.00	0.00	50.61	7.76
21/8/2022 2:00	10.46	0.00	0.00	56.1	7.54
21/8/2022 3:00	10.59	0.00	0.00	49.67	6.62
21/8/2022 4:00	10.4	0.00	0.00	44.49	6.38
21/8/2022 5:00	10.14	0.00	0.00	38.72	6.71
21/8/2022 6:00	10.11	0.00	0.00	40.35	6.98
21/8/2022 7:00	10.14	0.00	0.00	46.7	6.82
21/8/2022 8:00	9.8	0.00	0.00	45.41	7.41
21/8/2022 9:00	9.87	0.00	0.00	53.27	7.53
21/8/2022 10:00	9.41	0.00	0.00	50.17	7.42

21/8/2022 11:00	9.3	0.00	0.00	52.91	7.08
21/8/2022 12:00	9.31	0.00	0.00	55.38	6.90
21/8/2022 13:00	9.46	0.00	0.00	56.83	7.18
21/8/2022 14:00	9.32	0.00	0.00	54.41	7.25
21/8/2022 15:00	9.3	0.00	0.00	53.69	7.85
21/8/2022 16:00	9.48	0.00	0.00	57.2	7.89
21/8/2022 17:00	9.5	0.00	0.00	56	8.68
21/8/2022 18:00	9.33	0.00	0.00	53.43	7.86
21/8/2022 19:00	10.04	0.00	0.00	70.06	6.88
21/8/2022 20:00	9.99	0.00	0.00	65.6	6.85
21/8/2022 21:00	9.22	0.00	0.00	51.04	7.11
21/8/2022 22:00	9.34	0.00	0.00	46.15	7.39
21/8/2022 23:00	9.4	0.00	0.00	46.69	8.49
22/8/2022 0:00	9.8	0.00	0.00	49.56	9.07
22/8/2022 1:00	9.6	0.00	0.00	46.23	9.01
22/8/2022 2:00	10	0.00	0.00	43.82	6.93
22/8/2022 3:00	9.94	0.00	0.00	39.62	6.97
22/8/2022 4:00	10.38	0.00	0.00	40.8	6.48
22/8/2022 5:00	9.93	0.00	0.00	37.04	6.91
22/8/2022 6:00	9.96	0.00	0.00	39.79	7.47
22/8/2022 7:00	10.23	0.00	0.00	41.78	7.07
22/8/2022 8:00	10.21	0.00	0.00	42.89	7.08
22/8/2022 9:00	10.32	0.00	0.00	52.02	6.72
22/8/2022 10:00	9.47	0.00	0.00	46.76	8.18
22/8/2022 11:00	9.46	0.00	0.00	48.21	7.26
22/8/2022 12:00	9.36	0.00	0.00	52.94	7.98
22/8/2022 13:00	9.32	0.00	0.00	53.82	8.39
22/8/2022 14:00	9.46	0.00	0.00	53.24	7.77
22/8/2022 15:00	9.2	0.00	0.00	56.6	7.62
22/8/2022 16:00	9.46	0.00	0.00	60.14	6.62
22/8/2022 17:00	9.44	0.00	0.00	60.84	6.77
22/8/2022 18:00	9.49	0.00	0.00	59.45	6.99
22/8/2022 19:00	9.37	0.00	0.00	54.64	7.08

22/8/2022 20:00	9.34	0.00	0.00	57.59	7.20
22/8/2022 21:00	9.48	0.00	0.00	56.2	7.38
22/8/2022 22:00	10.6	0.00	0.00	58.61	7.54
22/8/2022 23:00	10.38	0.00	0.00	51.1	7.54
23/8/2022 0:00	10.46	0.00	0.00	46.6	7.39
23/8/2022 1:00	10.02	0.00	0.00	40.02	7.65
23/8/2022 2:00	10.19	0.00	0.00	40.74	6.60
23/8/2022 3:00	9.99	0.00	0.00	37.85	6.50
23/8/2022 4:00	10.05	0.00	0.00	37.06	6.42
23/8/2022 5:00	10.17	0.00	0.00	39.47	6.48
23/8/2022 6:00	10.04	0.00	0.00	43.06	7.50
23/8/2022 7:00	9.47	0.00	0.00	53.12	9.78
23/8/2022 8:00	9.53	0.00	0.00	51.23	9.43
23/8/2022 9:00	9.25	0.00	0.00	51.6	7.88
23/8/2022 10:00	9.4	0.00	0.00	60.37	7.38
23/8/2022 11:00	9.42	0.00	0.00	59.11	7.47
23/8/2022 12:00	9.42	0.00	0.00	54.32	7.85
23/8/2022 13:00	9.67	0.00	0.00	57.7	7.53
23/8/2022 14:00	9.19	0.00	0.00	54.23	8.10
23/8/2022 15:00	9.56	0.00	0.00	59.94	8.75
23/8/2022 16:00	9.88	0.00	0.00	55.68	8.29
23/8/2022 17:00	9.91	0.00	0.00	52.44	8.31
23/8/2022 18:00	9.75	0.00	0.00	50.49	7.58
23/8/2022 19:00	9.76	0.00	0.00	51.06	7.57
23/8/2022 20:00	9.29	0.00	0.00	50.46	7.13
23/8/2022 21:00	9.2	0.00	0.00	54.86	6.66
23/8/2022 22:00	9.49	0.00	0.00	57.93	8.43
23/8/2022 23:00	9.65	0.00	0.00	57.36	8.40
24/8/2022 0:00	9.48	0.00	0.00	57.12	8.41
24/8/2022 1:00	9.59	0.00	0.00	57.16	8.97
24/8/2022 2:00	9.9	0.00	0.00	51.38	7.53
24/8/2022 3:00	9.61	0.00	0.00	47.56	16.02
24/8/2022 4:00	9.64	0.00	0.00	48.81	7.47

24/8/2022 5:00	9.56	0.00	0.00	44.51	7.89
Shutdown 25/08/2022 - 27/08/2022					
28/8/2022 9:00	9.66	0.00	0.00	55.79	7.18
28/8/2022 10:00	9.57	0.00	0.00	61.07	7.32
28/8/2022 11:00	9.67	0.00	0.00	59.46	6.90
28/8/2022 12:00	9.49	0.00	0.00	56.61	7.44
28/8/2022 13:00	9.3	0.00	0.00	54.23	8.22
28/8/2022 14:00	9.37	0.00	0.00	59.16	8.69
28/8/2022 15:00	9.45	0.00	0.00	62.33	8.74
28/8/2022 16:00	9.45	0.00	0.00	62.34	7.51
28/8/2022 17:00	9.61	0.00	0.00	64.55	7.45
28/8/2022 18:00	9.7	0.00	0.00	74.19	7.25
28/8/2022 19:00	9.64	0.00	0.00	69.02	7.32
28/8/2022 20:00	9.48	0.00	0.00	69.49	7.50
28/8/2022 21:00	9.77	0.00	0.00	72.85	7.27
28/8/2022 22:00	9.74	0.00	0.00	67.76	8.04
28/8/2022 23:00	9.39	0.00	0.00	68.08	8.79
29/8/2022 0:00	10.02	0.00	0.00	77.25	8.45
29/8/2022 1:00	9.41	0.00	0.00	62.5	9.18
29/8/2022 2:00	9.67	0.00	0.00	67.65	7.57
29/8/2022 3:00	9.92	0.00	0.00	75.21	7.61
29/8/2022 4:00	9.79	0.00	0.00	76.26	7.35
29/8/2022 5:00	9.73	0.00	0.00	68.35	8.43
29/8/2022 6:00	9.37	0.00	0.00	61.76	8.36
29/8/2022 7:00	9.46	0.00	0.00	63.97	8.72
29/8/2022 8:00	9.97	0.00	0.00	74.11	7.69
29/8/2022 9:00	9.65	0.00	0.00	64.04	8.19
29/8/2022 10:00	9.48	0.00	0.00	63.26	7.68
29/8/2022 11:00	9.27	0.00	0.00	65.5	7.63
29/8/2022 12:00	9.75	0.00	0.00	69.19	8.63
29/8/2022 13:00	9.39	0.00	0.00	66.43	8.77
29/8/2022 14:00	9.57	0.00	0.00	69.87	9.00
29/8/2022 15:00	9.79	0.00	0.00	83.98	9.57

29/8/2022 16:00	9.52	0.00	0.00	70.41	8.89
29/8/2022 17:00	9.24	0.00	0.00	63.18	7.71
29/8/2022 18:00	9.44	0.00	0.00	68.37	7.76
29/8/2022 19:00	9.68	0.00	0.00	72.66	7.72
29/8/2022 20:00	9.31	0.00	0.00	64.27	7.71
29/8/2022 21:00	9.42	0.00	0.00	72.07	7.77
29/8/2022 22:00	9.66	0.00	0.00	73.75	8.68
29/8/2022 23:00	9.41	0.00	0.00	65.04	10.17
30/8/2022 0:00	9.48	0.00	0.00	63.48	10.91
30/8/2022 1:00	9.2	0.00	0.00	60.88	10.01
30/8/2022 2:00	9.65	0.00	0.00	68.9	7.90
30/8/2022 3:00	9.49	0.00	0.00	68.61	7.90
30/8/2022 4:00	9.31	0.00	0.00	62.91	11.85
30/8/2022 5:00	9.16	0.00	0.00	63.37	14.54
30/8/2022 6:00	9.69	0.00	0.00	71.19	15.34
30/8/2022 7:00	9.31	0.00	0.00	61.89	9.02
30/8/2022 8:00	9.39	0.00	0.00	71.12	8.23
30/8/2022 9:00	10.03	0.00	0.00	76.93	7.32
30/8/2022 10:00	9.63	0.00	0.00	71.11	7.77
30/8/2022 11:00	9.48	0.00	0.00	70.51	7.28
30/8/2022 12:00	9.84	0.00	0.00	81.48	7.50
30/8/2022 13:00	9.41	0.00	0.00	70.89	8.51
30/8/2022 14:00	9.26	0.00	0.00	65.49	8.68
30/8/2022 15:00	9.58	0.00	0.00	76.35	8.72
30/8/2022 16:00	10.51	0.00	0.00	86.86	9.14
30/8/2022 17:00	9.38	0.00	0.00	63.51	8.11
30/8/2022 18:00	9.74	0.00	0.00	67.63	7.82
30/8/2022 19:00	9.39	0.00	0.00	61.36	8.20
30/8/2022 20:00	9.53	0.00	0.00	66.46	7.94
30/8/2022 21:00	9.38	0.00	0.00	59.18	7.76
30/8/2022 22:00	9.12	0.00	0.00	61.49	7.58
30/8/2022 23:00	9.5	0.00	0.00	68.59	8.25
31/8/2022 0:00	9.76	0.00	0.00	65.06	9.02

31/8/2022 1:00	9.71	0.00	0.00	69.42	9.46
31/8/2022 2:00	9.59	0.00	0.00	53.98	9.95
31/8/2022 3:00	9.64	0.00	0.00	55.59	8.43
31/8/2022 4:00	9.41	0.00	0.00	49.58	8.53
31/8/2022 5:00	9.47	0.00	0.00	50.42	9.45
31/8/2022 6:00	9.61	0.00	0.00	53.14	10.40
31/8/2022 7:00	9.51	0.00	0.00	49.17	10.66
31/8/2022 8:00	9.4	0.00	0.00	48.18	10.94
31/8/2022 9:00	9.62	0.00	0.00	51.81	9.26
31/8/2022 10:00	9.57	0.00	0.00	51.73	9.32
31/8/2022 11:00	9.48	0.00	0.00	57.26	8.51
31/8/2022 12:00	9.45	0.00	0.00	62.6	8.99
31/8/2022 13:00	9.48	0.00	0.00	64.18	9.54
31/8/2022 14:00	9.44	0.00	0.00	61.16	9.56
31/8/2022 15:00	9.38	0.00	0.00	63.12	9.20
31/8/2022 16:00	9.67	0.00	0.00	68.76	7.80
31/8/2022 17:00	9.61	0.00	0.00	64.12	7.53
31/8/2022 18:00	9.44	0.00	0.00	64.37	7.78
31/8/2022 19:00	9.28	0.00	0.00	69.41	7.53
31/8/2022 20:00	9.92	0.00	0.00	76.23	7.62
31/8/2022 21:00	9.83	0.00	0.00	66.75	7.86
31/8/2022 22:00	9.6	0.00	0.00	68.95	8.40
31/8/2022 23:00	9.55	0.00	0.00	65.5	8.79
Average	9.75	0.00	0.01	57.54	7.08
Max	11.01	0.00	0.14	86.86	25.29
Min	8.82	0.00	0.00	37.04	4.95

^{1/} O₂ Lower detection limit = <0.04%O₂

^{2/} SO₂ Lower detection limit = 0.1 ppm

^{3/} CO Lower detection limit = 0.2 ppm

^{4/} NOx Lower detection limit = 0.04 ppm

^{5/} calculate from opacity , Dust (mg/m³) = 3.878e^{0.073x} , x = opacity (%)

ข้อมูล Cems FG กันยายน 2565

Time	O ₂ ^{1/}	Sox @O ₂ 7% ^{2/}	CO @O ₂ 7% ^{3/}	Nox @O ₂ 7% ^{4/}	Dust @O ₂ 7% ^{5/}
Unit	%	ppm	ppm	ppm	mg/Nm3
EIA Limit	-	50	690	90	50
1/9/2022 0:00	9.73	0.00	0.00	69.33	9.01
1/9/2022 1:00	9.63	0.00	0.00	65.56	9.04
1/9/2022 2:00	9.35	0.00	0.00	63.79	7.85
1/9/2022 3:00	9.65	0.00	0.00	67.25	7.55
1/9/2022 4:00	9.64	0.00	0.00	60.97	7.62
1/9/2022 5:00	9.30	0.00	0.00	56.63	8.81
1/9/2022 6:00	9.36	0.00	0.00	59.08	9.22
1/9/2022 7:00	9.43	0.00	0.00	59.44	9.01
1/9/2022 8:00	9.71	0.00	0.00	63.00	8.57
1/9/2022 9:00	9.71	0.00	0.00	62.09	8.28
1/9/2022 10:00	9.34	0.00	0.00	50.31	8.15
1/9/2022 11:00	9.34	0.00	0.00	50.32	7.99
1/9/2022 12:00	9.49	0.00	0.03	63.43	7.96
1/9/2022 13:00	9.33	0.00	0.01	59.56	8.75
1/9/2022 14:00	9.45	0.00	0.15	61.49	9.36
1/9/2022 15:00	9.64	0.00	0.00	68.35	8.96
1/9/2022 16:00	9.38	0.00	0.00	59.69	8.83
1/9/2022 17:00	9.58	0.00	0.00	66.86	7.93
1/9/2022 18:00	9.40	0.00	0.00	61.15	10.45
1/9/2022 19:00	9.53	0.00	0.00	67.08	8.22
1/9/2022 20:00	9.24	0.00	0.00	61.39	8.97
1/9/2022 21:00	9.49	0.00	0.00	70.51	11.45
1/9/2022 22:00	9.55	0.00	0.01	65.72	9.50
1/9/2022 23:00	10.78	0.00	0.13	67.50	8.27
2/9/2022 0:00	10.92	0.00	0.01	60.17	11.98
2/9/2022 1:00	10.28	0.00	0.00	48.21	7.03
2/9/2022 2:00	10.43	0.00	0.00	48.75	6.93
2/9/2022 3:00	10.30	0.00	0.00	47.62	7.16
2/9/2022 4:00	10.37	0.00	0.00	47.59	7.02

2/9/2022 5:00	10.22	0.00	0.00	45.53	7.86
2/9/2022 6:00	10.41	0.00	0.00	47.95	8.18
2/9/2022 7:00	10.23	0.00	0.00	44.35	8.11
2/9/2022 8:00	10.28	0.00	0.00	46.29	8.14
2/9/2022 9:00	10.07	0.00	0.00	42.17	7.57
2/9/2022 10:00	8.91	0.00	0.00	37.85	11.16
2/9/2022 11:00	9.54	0.00	0.16	60.84	9.36
2/9/2022 12:00	9.43	0.00	0.20	57.47	9.78
2/9/2022 13:00	9.33	0.00	0.24	59.78	9.90
2/9/2022 14:00	9.50	0.00	0.23	60.26	10.01
2/9/2022 15:00	9.55	0.00	0.09	62.89	10.76
2/9/2022 16:00	9.71	0.00	0.22	65.98	9.04
2/9/2022 17:00	9.64	0.00	0.09	65.55	9.07
2/9/2022 18:00	9.75	0.00	0.21	66.59	8.51
2/9/2022 19:00	9.90	0.00	0.14	68.30	8.28
2/9/2022 20:00	9.43	0.00	0.15	59.64	8.35
2/9/2022 21:00	9.55	0.00	0.06	64.66	8.07
2/9/2022 22:00	9.77	0.00	0.00	63.37	8.08
2/9/2022 23:00	10.87	0.00	0.00	68.31	8.14
3/9/2022 0:00	10.84	0.00	0.00	62.61	17.64
3/9/2022 1:00	10.49	0.00	0.00	49.36	8.14
3/9/2022 2:00	10.58	0.00	0.00	47.53	9.78
3/9/2022 3:00	10.33	0.00	0.00	43.00	8.00
3/9/2022 4:00	10.46	0.00	0.00	44.21	6.80
3/9/2022 5:00	10.01	0.00	0.00	36.93	7.68
3/9/2022 6:00	10.30	0.00	0.00	41.62	8.06
3/9/2022 7:00	10.23	0.00	0.00	40.41	7.76
3/9/2022 8:00	10.26	0.00	0.00	43.35	8.86
3/9/2022 9:00	10.14	0.00	0.00	42.19	7.42
3/9/2022 10:00	9.39	0.00	1.05	49.73	13.38
3/9/2022 11:00	9.69	0.00	0.16	64.90	9.40
3/9/2022 12:00	9.50	0.00	0.17	57.78	10.58
3/9/2022 13:00	9.45	0.00	0.25	57.96	10.33

3/9/2022 14:00	9.46	0.00	0.26	60.92	10.45
3/9/2022 15:00	9.55	0.00	0.05	62.13	10.97
3/9/2022 16:00	9.30	0.00	0.00	56.63	8.81
3/9/2022 17:00	9.36	0.00	0.00	59.08	9.22
3/9/2022 18:00	9.43	0.00	0.00	59.44	9.01
3/9/2022 19:00	9.71	0.00	0.00	63.00	8.57
3/9/2022 20:00	9.71	0.00	0.00	62.09	8.28
3/9/2022 21:00	9.34	0.00	0.00	50.31	8.15
3/9/2022 22:00	9.96	0.00	0.00	82.92	9.78
3/9/2022 23:00	10.86	0.00	0.00	81.56	7.68
4/9/2022 0:00	10.42	0.00	0.00	53.85	13.15
4/9/2022 1:00	10.57	0.00	0.00	49.14	10.48
4/9/2022 2:00	10.42	0.00	0.00	43.59	10.36
4/9/2022 3:00	10.33	0.00	0.00	40.82	17.94
4/9/2022 4:00	10.17	0.00	0.00	39.87	6.45
4/9/2022 5:00	10.36	0.00	0.00	45.88	7.17
4/9/2022 6:00	10.48	0.00	0.00	52.39	7.37
4/9/2022 7:00	10.29	0.00	0.00	46.78	7.11
4/9/2022 8:00	10.41	0.00	0.00	49.72	7.27
4/9/2022 9:00	10.29	0.00	0.00	43.16	6.66
4/9/2022 10:00	9.48	0.00	0.00	50.59	11.75
4/9/2022 11:00	9.31	0.00	0.06	52.69	10.99
4/9/2022 12:00	9.49	0.00	0.00	60.92	8.38
4/9/2022 13:00	9.67	0.00	0.00	63.05	9.13
4/9/2022 14:00	9.38	0.00	0.00	57.72	10.42
4/9/2022 15:00	9.35	0.00	0.11	58.09	8.63
4/9/2022 16:00	9.67	0.00	0.12	66.98	9.17
4/9/2022 17:00	9.77	0.00	0.00	62.70	7.89
4/9/2022 18:00	9.60	0.00	0.00	61.98	8.17
4/9/2022 19:00	9.62	0.00	0.00	68.03	7.81
4/9/2022 20:00	9.87	0.00	0.00	70.26	7.92
4/9/2022 21:00	9.57	0.00	0.00	62.13	8.16
4/9/2022 22:00	9.78	0.00	0.00	59.61	8.01

4/9/2022 23:00	11.02	0.00	0.00	57.40	8.23
5/9/2022 0:00	5.72	0.00	0.00	45.31	9.14
5/9/2022 1:00	5.81	0.00	1.57	41.92	5.05
5/9/2022 2:00	5.96	0.00	0.00	47.6	5.15
5/9/2022 3:00	5.76	0.00	0.00	47.52	9.41
5/9/2022 4:00	5.68	0.00	0.00	42.84	5.12
5/9/2022 5:00	6.42	0.00	0.00	49.7	5.44
5/9/2022 6:00	6.15	0.00	0.00	53.42	10.88
5/9/2022 7:00	6.27	0.00	0.00	48.39	4.59
5/9/2022 8:00	6.16	0.00	0.00	47.37	3.94
5/9/2022 9:00	6.03	0.00	0.00	45.03	4.21
5/9/2022 10:00	6.08	0.00	0.00	45.6	5.87
5/9/2022 11:00	6.04	0.00	0.14	44.78	3.82
5/9/2022 12:00	5.94	0.00	0.54	44.48	4.84
5/9/2022 13:00	5.72	0.00	0.77	42.33	15.51
5/9/2022 14:00	5.39	0.00	2.66	36.29	12.13
5/9/2022 15:00	5.94	0.00	3.30	42.8	11.72
5/9/2022 16:00	6.23	0.00	0.62	47.58	7.66
5/9/2022 17:00	6.6	0.00	2.52	52.15	8.43
5/9/2022 18:00	6.02	0.00	4.09	42.93	7.58
5/9/2022 19:00	6.03	0.00	0.73	42.71	7.13
5/9/2022 20:00	5.81	0.00	3.28	38.91	6.48
5/9/2022 21:00	4.93	0.00	1.99	31.6	9.95
5/9/2022 22:00	5.14	0.00	0.35	32.5	5.44
5/9/2022 23:00	5.55	0.00	0.00	40.81	14.83
6/9/2022 0:00	5.7	0.00	0.04	41.81	13.24
6/9/2022 1:00	5.33	0.00	0.00	36.47	12.99
6/9/2022 2:00	5.51	0.00	0.09	44.09	15.27
6/9/2022 3:00	5.05	0.00	0.00	40.99	9.79
6/9/2022 4:00	5.33	0.00	0.00	41.19	11.68
6/9/2022 5:00	5.9	0.00	0.00	43.13	12.18
6/9/2022 6:00	5.59	0.00	0.00	40.21	16.96
6/9/2022 7:00	5.13	0.00	0.01	42.8	28.73

6/9/2022 8:00	2.69	0.00	0.00	21.51	44.43
6/9/2022 9:00	3.26	0.00	0.00	26.55	33.42
6/9/2022 10:00	3.61	0.00	26.78	29.46	23.10
6/9/2022 11:00	3.15	0.00	53.54	19.61	19.46
6/9/2022 12:00	3.9	0.00	9.67	38.09	17.83
6/9/2022 13:00	3.14	0.00	0.00	24.31	25.29
6/9/2022 14:00	3.3	0.00	22.07	23.71	21.33
6/9/2022 15:00	3.25	0.00	31.49	22.75	19.23
6/9/2022 16:00	4.58	0.00	0.00	60.99	19.93
6/9/2022 17:00	4.74	0.00	0.02	64.75	14.86
6/9/2022 18:00	4.58	0.00	0.00	60.23	14.54
6/9/2022 19:00	4.68	0.00	0.00	65.43	12.08
6/9/2022 20:00	3.85	0.00	0.00	43.1	11.29
6/9/2022 21:00	3.8	0.00	0.00	39.54	11.54
6/9/2022 22:00	3.05	0.00	0.00	23.06	15.88
6/9/2022 23:00	4.27	0.00	2.73	40.95	24.36
7/9/2022 0:00	4.41	0.00	0.15	43.58	26.06
7/9/2022 1:00	4.88	0.00	0.00	32.17	23.35
7/9/2022 2:00	9.30	0.00	0.00	56.63	8.81
7/9/2022 3:00	9.36	0.00	0.00	59.08	9.22
7/9/2022 4:00	9.43	0.00	0.00	59.44	9.01
7/9/2022 5:00	9.71	0.00	0.00	63.00	8.57
7/9/2022 6:00	9.71	0.00	0.00	62.09	8.28
7/9/2022 7:00	9.34	0.00	0.00	50.31	8.15
7/9/2022 8:00	4.11	0.00	0.00	39.23	15.99
7/9/2022 9:00	3.26	0.00	14.18	24.29	19.73
7/9/2022 10:00	2.97	0.00	0.00	19.41	13.33
7/9/2022 11:00	4.02	0.00	0.00	48.72	12.04
7/9/2022 12:00	4.5	0.00	0.00	65.05	12.94
7/9/2022 13:00	4.17	0.00	0.01	55.98	16.19
7/9/2022 14:00	4.65	0.00	0.04	57.81	10.75
7/9/2022 15:00	3.73	0.00	0.00	40.26	16.79
7/9/2022 16:00	3.39	0.00	5.25	25.24	21.36

7/9/2022 17:00	3.66	0.00	0.03	40.51	17.34
7/9/2022 18:00	4.09	0.00	0.00	52.95	11.67
7/9/2022 19:00	3.97	0.00	0.00	46.87	11.25
7/9/2022 20:00	4.25	0.00	0.00	47.21	12.02
7/9/2022 21:00	4.72	0.00	0.00	55.48	16.63
7/9/2022 22:00	4	0.00	0.67	16.07	16.55
7/9/2022 23:00	3.76	0.00	13.04	30.5	20.09
8/9/2022 0:00	2.6	0.00	0.00	13.32	23.12
8/9/2022 1:00	4.1	0.00	0.29	35.21	29.03
8/9/2022 2:00	4.14	0.00	0.00	41.23	22.81
8/9/2022 3:00	3.79	0.00	48.38	35.96	24.47
8/9/2022 4:00	3.01	0.00	0.00	24.26	23.03
8/9/2022 5:00	2.93	13.77	0.00	23.77	30.57
8/9/2022 6:00	2.62	30.67	0.00	28.22	25.47
8/9/2022 7:00	5.22	0.00	0.00	61.39	30.11
8/9/2022 8:00	4.27	0.00	0.03	47.21	16.81
8/9/2022 9:00	3.68	0.00	47.14	36.61	16.24
8/9/2022 10:00	3.77	0.00	2.25	40.22	14.31
8/9/2022 11:00	4.56	0.00	0.03	58.69	15.81
8/9/2022 12:00	4.48	0.00	0.04	57.91	11.84
8/9/2022 13:00	4.66	0.00	0.06	67.67	14.85
8/9/2022 14:00	5.21	0.00	0.01	75.97	18.14
8/9/2022 15:00	5.17	0.00	0.03	73.2	18.09
8/9/2022 16:00	5.65	0.00	0.00	81.23	11.49
8/9/2022 17:00	5.56	0.00	0.00	80.1	12.56
8/9/2022 18:00	4.96	0.00	0.00	68.4	11.85
8/9/2022 19:00	9.30	0.00	0.00	56.63	8.81
8/9/2022 20:00	9.36	0.00	0.00	59.08	9.22
8/9/2022 21:00	9.43	0.00	0.00	59.44	9.01
8/9/2022 22:00	9.71	0.00	0.00	63.00	8.57
8/9/2022 23:00	9.71	0.00	0.00	62.09	8.28
9/9/2022 0:00	9.34	0.00	0.00	50.31	8.15
9/9/2022 1:00	5.46	0.00	0.00	61.12	28.42

9/9/2022 2:00	5.69	0.00	0.00	65.06	17.24
9/9/2022 3:00	6.32	0.00	0.00	75.47	17.97
9/9/2022 4:00	5.6	0.00	0.00	63.73	22.17
9/9/2022 5:00	5.66	0.00	0.00	65.26	26.57
9/9/2022 6:00	5.8	0.00	0.00	67.66	21.35
9/9/2022 7:00	5.71	0.00	0.00	68.04	28.34
9/9/2022 8:00	5.12	0.00	0.00	60.88	23.34
9/9/2022 9:00	5.69	0.00	0.00	71.15	19.23
9/9/2022 10:00	5.29	0.00	0.00	68.21	16.68
9/9/2022 11:00	6.52	0.00	0.00	63.76	9.83
9/9/2022 12:00	5.32	0.00	0.00	45.58	8.47
9/9/2022 13:00	5.61	0.00	0.00	55.45	14.34
9/9/2022 14:00	5.83	0.00	0.01	53.16	25.72
9/9/2022 15:00	5.8	0.00	0.02	50.67	17.45
9/9/2022 16:00	5.41	0.00	0.93	43.78	20.37
9/9/2022 17:00	5.51	0.00	0.00	46.45	18.34
9/9/2022 18:00	5.68	0.00	0.00	48.33	18.41
9/9/2022 19:00	5.49	0.00	0.00	46.04	21.95
9/9/2022 20:00	5.41	0.00	0.00	44.24	23.03
9/9/2022 21:00	5.59	0.00	0.00	45.09	23.15
9/9/2022 22:00	5.48	0.00	0.00	44.78	25.42
9/9/2022 23:00	5.33	0.00	0.00	45.17	27.48
10/9/2022 0:00	5.02	0.00	1.03	45.29	36.99
10/9/2022 1:00	5.12	0.00	0.10	42.9	29.91
10/9/2022 2:00	5.45	0.00	0.00	43.36	29.13
10/9/2022 3:00	5.32	0.00	0.00	42.11	29.09
10/9/2022 4:00	5.23	0.00	0.00	41.24	31.55
10/9/2022 5:00	5.46	0.00	0.00	46.99	32.18
10/9/2022 6:00	5.57	0.00	0.00	50.75	33.94
10/9/2022 7:00	5.88	0.00	0.00	56.1	35.77
10/9/2022 8:00	6.31	0.00	0.00	61.04	31.57
10/9/2022 9:00	6.4	0.00	0.00	60.32	29.33
10/9/2022 10:00	6.05	0.00	0.00	54.82	28.73

10/9/2022 11:00	6.04	0.00	0.00	52.36	32.46
10/9/2022 12:00	5.81	0.00	0.00	50.46	32.67
10/9/2022 13:00	5.85	0.00	0.00	50.61	30.77
10/9/2022 14:00	5.7	0.00	0.00	50.08	30.59
10/9/2022 15:00	6.25	0.00	0.00	55.14	29.20
10/9/2022 16:00	6.5	0.00	0.00	59.6	27.78
10/9/2022 17:00	6.44	0.00	0.00	58.82	29.87
10/9/2022 18:00	6.15	0.00	0.00	54.99	27.44
10/9/2022 19:00	6.28	0.00	0.00	55.74	28.73
10/9/2022 20:00	6.47	0.00	0.00	23.39	27.38
10/9/2022 21:00	6.44	0.00	0.00	58.96	30.02
10/9/2022 22:00	6.36	0.00	0.00	58.36	39.97
10/9/2022 23:00	6.52	0.00	0.00	59.64	44.66
11/9/2022 0:00	6.32	0.00	0.00	45.42	45.41
11/9/2022 1:00	6.05	0.00	0.00	52.62	43.98
11/9/2022 2:00	6	0.00	0.00	49.52	36.40
11/9/2022 3:00	6.12	0.00	0.00	52.65	33.74
11/9/2022 4:00	5.85	0.00	0.00	51.98	40.49
11/9/2022 5:00	6.14	0.00	0.00	52.83	41.75
11/9/2022 6:00	7.93	0.00	0.03	65.61	28.80
11/9/2022 7:00	7.43	0.00	0.00	57.22	21.65
11/9/2022 0:00	10.12	0.00	0.00	62.54	6.34
11/9/2022 1:00	10.39	0.00	0.00	65.56	5.52
11/9/2022 2:00	8.95	0.00	0.00	57.22	6.77
11/9/2022 3:00	9.45	0.00	0.00	70.61	6.05
11/9/2022 4:00	9.75	0.00	0.00	68.33	6.10
11/9/2022 5:00	9.25	0.00	0.00	60.78	7.34
11/9/2022 6:00	9.12	0.00	0.00	58.44	8.27
11/9/2022 7:00	9.77	0.00	0.00	67.48	7.29
11/9/2022 8:00	10.17	0.00	0.00	77.45	6.88
11/9/2022 9:00	10.52	0.00	0.00	71	5.89
11/9/2022 10:00	9.98	0.00	0.00	52.61	5.89
11/9/2022 11:00	10.37	0.00	0.00	56.87	5.80

11/9/2022 12:00	10.04	0.00	0.00	52.88	5.72
11/9/2022 13:00	9.66	0.00	0.00	44.86	5.87
11/9/2022 14:00	10.12	0.00	0.00	53.6	6.18
11/9/2022 15:00	10.03	0.00	0.00	52.03	5.77
11/9/2022 16:00	10.04	0.00	0.00	55.12	5.58
11/9/2022 17:00	9.98	0.00	0.00	49.02	5.72
11/9/2022 18:00	10.1	0.00	0.00	53.88	5.56
11/9/2022 19:00	10.07	0.00	0.00	54.16	5.65
11/9/2022 20:00	9.97	0.00	0.00	54.04	5.57
11/9/2022 21:00	10.24	0.00	0.00	60.08	6.26
11/9/2022 22:00	10.23	0.00	0.00	58.09	6.43
11/9/2022 23:00	10.14	0.00	0.00	56.67	7.00
12/9/2022 0:00	10.03	0.00	0.00	54.62	7.62
12/9/2022 1:00	9.99	0.00	0.00	52.44	6.09
12/9/2022 2:00	10.09	0.00	0.00	52.85	5.86
12/9/2022 3:00	9.96	0.00	0.00	52.2	6.06
12/9/2022 4:00	9.75	0.00	0.00	48.89	5.80
12/9/2022 5:00	9.69	0.00	0.00	47.33	6.50
12/9/2022 6:00	10.01	0.00	0.00	59.96	25.29
12/9/2022 7:00	9.9	0.00	0.00	50.33	6.18
12/9/2022 8:00	10.02	0.00	0.00	50.43	6.11
12/9/2022 9:00	10.04	0.00	0.00	49.03	5.46
12/9/2022 10:00	10.02	0.00	0.00	50	5.61
12/9/2022 11:00	9.82	0.00	0.00	45.06	5.50
12/9/2022 12:00	10.21	0.00	0.00	53.36	5.58
12/9/2022 13:00	10.11	0.00	0.00	50.68	5.55
12/9/2022 14:00	9.92	0.00	0.00	47.95	5.85
12/9/2022 15:00	10.16	0.00	0.00	53.71	6.19
12/9/2022 16:00	10.01	0.00	0.00	50.32	6.51
12/9/2022 17:00	10.2	0.00	0.00	52.73	6.19
12/9/2022 18:00	10.38	0.00	0.00	53.9	5.45
12/9/2022 19:00	10.31	0.00	0.00	55.39	5.35
12/9/2022 20:00	10.16	0.00	0.00	51.48	5.41

12/9/2022 21:00	9.93	0.00	0.00	41.47	5.66
12/9/2022 22:00	9.92	0.00	0.00	45.57	6.20
12/9/2022 23:00	10.14	0.00	0.00	54.18	6.41
13/9/2022 0:00	10.03	0.00	0.00	53.95	6.74
13/9/2022 1:00	10.28	0.00	0.00	55.74	5.88
13/9/2022 2:00	9.14	0.00	0.00	47.81	8.56
13/9/2022 3:00	9.1	0.00	0.00	50.33	8.13
13/9/2022 4:00	9.19	0.00	0.00	45.29	7.64
13/9/2022 5:00	9.25	0.00	0.00	44.92	7.24
13/9/2022 6:00	9.28	0.00	0.00	48.44	6.84
13/9/2022 7:00	9.2	0.00	0.00	46.63	6.71
13/9/2022 8:00	9.32	0.00	0.00	48.46	6.51
13/9/2022 9:00	9.27	0.00	0.00	47.32	6.58
13/9/2022 10:00	9.11	0.00	0.00	46.68	6.54
13/9/2022 11:00	9.05	0.00	0.00	50.41	6.20
13/9/2022 12:00	9.55	0.00	0.00	61.99	6.23
13/9/2022 13:00	9.33	0.00	0.00	56.31	6.21
13/9/2022 14:00	9.1	0.00	0.00	56.07	6.25
13/9/2022 15:00	9.54	0.00	0.00	62.47	7.03
13/9/2022 16:00	9.52	0.00	0.00	57.93	8.01
13/9/2022 17:00	9.73	0.00	0.00	65.49	8.37
13/9/2022 18:00	9.84	0.00	0.00	70.5	6.77
13/9/2022 19:00	9.75	0.00	0.00	66.31	6.59
13/9/2022 20:00	9.75	0.00	0.00	65.21	6.55
13/9/2022 21:00	9.55	0.00	0.00	58.61	7.63
13/9/2022 22:00	9.57	0.00	0.00	60.22	7.93
13/9/2022 23:00	9.71	0.00	0.00	63.24	7.68
14/9/2022 0:00	9.32	0.00	0.00	55.95	8.17
14/9/2022 1:00	9.23	0.00	0.00	52.6	7.04
14/9/2022 2:00	9.25	0.00	0.00	54.22	6.63
14/9/2022 3:00	9.19	0.00	0.00	56.44	6.39
14/9/2022 4:00	9.18	0.00	0.00	55.51	6.86
14/9/2022 5:00	9.11	0.00	0.00	57.01	6.83

14/9/2022 6:00	9.57	0.00	0.00	68.1	7.20
14/9/2022 7:00	9.32	0.00	0.00	55.94	7.88
14/9/2022 8:00	9.21	0.00	0.00	57.08	6.60
14/9/2022 9:00	9.49	0.00	0.00	64.28	6.58
14/9/2022 10:00	9.35	0.00	0.00	59.8	6.98
14/9/2022 11:00	9.18	0.00	0.00	58.36	6.65
14/9/2022 12:00	9.26	0.00	0.00	62.26	6.71
14/9/2022 13:00	9.42	0.00	0.00	64.02	6.89
14/9/2022 14:00	9.14	0.00	0.00	57.76	7.96
14/9/2022 15:00	9.28	0.00	0.00	59.98	8.21
14/9/2022 16:00	9.25	0.00	0.00	59.43	8.35
14/9/2022 17:00	9.33	0.00	0.00	59.9	8.20
14/9/2022 18:00	9.19	0.00	0.00	56.46	7.22
14/9/2022 19:00	9.26	0.00	0.00	59.46	6.79
14/9/2022 20:00	9.44	0.00	0.00	64.58	7.03
14/9/2022 21:00	9.45	0.00	0.00	60.52	6.94
14/9/2022 22:00	9.36	0.00	0.00	61.49	7.59
14/9/2022 23:00	9.31	0.00	0.00	69.11	7.90
15/9/2022 0:00	9.6	0.00	0.00	70.88	7.11
15/9/2022 1:00	9.45	0.00	0.00	66.6	6.90
15/9/2022 2:00	9.16	0.00	0.00	60.53	6.50
15/9/2022 3:00	9.44	0.00	0.00	74.95	6.32
15/9/2022 4:00	9.82	0.00	0.00	69.93	6.34
15/9/2022 5:00	9.36	0.00	0.00	64.59	6.83
15/9/2022 6:00	9.45	0.00	0.00	66.35	7.29
15/9/2022 7:00	9.24	0.00	0.00	60.2	7.09
15/9/2022 8:00	7.07	0.00	0.00	81.60	5.20
15/9/2022 9:00	6.76	0.00	0.00	80.47	5.16
15/9/2022 10:00	7.33	0.00	0.00	87.41	5.10
15/9/2022 11:00	6.80	0.00	0.00	78.01	4.69
15/9/2022 12:00	7.02	0.00	0.00	80.21	4.68
15/9/2022 13:00	6.60	0.00	0.00	88.92	4.66
15/9/2022 14:00	7.35	0.00	0.00	87.60	4.66

15/9/2022 15:00	6.82	0.00	0.00	82.66	4.97
15/9/2022 16:00	6.62	0.00	0.00	88.59	5.15
15/9/2022 17:00	6.57	0.00	0.00	88.09	4.79
15/9/2022 18:00	6.86	0.00	0.00	81.56	4.66
15/9/2022 19:00	6.59	0.00	0.00	89.20	5.22
15/9/2022 20:00	6.41	0.00	0.00	85.48	4.68
15/9/2022 21:00	6.78	0.00	0.00	86.24	4.77
15/9/2022 22:00	6.61	0.00	0.00	82.38	4.80
15/9/2022 23:00	6.47	0.00	0.00	81.89	4.52
16/9/2022 0:00	6.28	0.00	0.00	75.85	4.48
16/9/2022 1:00	6.37	0.00	0.00	77.84	4.67
16/9/2022 2:00	6.43	0.00	0.00	81.80	5.28
16/9/2022 3:00	6.43	0.00	0.00	81.62	5.43
16/9/2022 4:00	6.62	0.00	0.00	80.98	4.78
16/9/2022 5:00	6.48	0.00	0.00	76.35	4.43
16/9/2022 6:00	6.41	0.00	0.00	76.28	4.46
16/9/2022 7:00	6.01	0.00	0.00	69.08	4.57
16/9/2022 8:00	6.26	0.00	0.00	76.07	5.13
16/9/2022 9:00	6.25	0.00	0.00	76.40	5.30
16/9/2022 10:00	6.30	0.00	0.00	76.22	5.03
16/9/2022 11:00	6.38	0.00	0.00	78.40	4.75
16/9/2022 12:00	6.42	0.00	0.00	75.94	4.69
16/9/2022 13:00	6.00	0.00	0.00	71.95	4.46
16/9/2022 14:00	5.96	0.00	0.00	73.66	4.64
16/9/2022 15:00	6.15	0.00	0.00	75.14	5.14
16/9/2022 16:00	6.37	0.00	0.00	82.05	5.01
16/9/2022 17:00	6.05	0.00	0.00	68.95	5.07
16/9/2022 18:00	6.24	0.00	0.00	73.51	4.53
16/9/2022 19:00	6.34	0.00	0.00	76.52	4.71
16/9/2022 20:00	6.03	0.00	0.00	72.75	4.75
16/9/2022 21:00	6.12	0.00	0.00	71.73	4.75
16/9/2022 22:00	6.29	0.00	0.00	74.86	4.84
16/9/2022 23:00	6.17	0.00	0.00	70.01	4.84

17/9/2022 0:00	6.01	0.00	0.00	68.85	4.86
17/9/2022 1:00	5.88	0.00	0.00	66.14	5.21
17/9/2022 2:00	6.86	0.00	0.00	79.32	5.82
17/9/2022 3:00	6.52	0.00	0.00	75.44	5.65
17/9/2022 4:00	6.84	0.00	0.00	82.24	5.26
17/9/2022 5:00	6.30	0.00	0.00	70.03	4.92
17/9/2022 6:00	6.23	0.00	0.00	63.70	5.02
17/9/2022 7:00	6.32	0.00	0.00	66.43	5.11
17/9/2022 8:00	6.32	0.00	0.00	64.35	5.26
17/9/2022 9:00	5.00	0.00	0.00	69.64	4.90
17/9/2022 10:00	6.86	0.00	0.00	68.05	4.38
17/9/2022 11:00	6.52	0.00	0.00	64.75	4.35
17/9/2022 12:00	6.48	0.00	0.00	64.39	4.20
17/9/2022 13:00	6.43	0.00	0.00	66.57	4.25
17/9/2022 14:00	6.23	0.00	0.00	62.90	4.46
17/9/2022 15:00	6.44	0.00	0.00	67.48	4.38
17/9/2022 16:00	6.08	0.00	0.00	63.71	4.98
17/9/2022 17:00	6.57	0.00	0.00	64.81	4.60
17/9/2022 18:00	6.64	0.00	0.00	65.95	4.15
17/9/2022 19:00	6.70	0.00	0.00	69.26	4.30
17/9/2022 20:00	6.65	0.00	0.00	65.99	4.36
17/9/2022 21:00	5.90	0.00	0.00	62.51	5.56
17/9/2022 22:00	6.04	0.00	0.00	66.94	5.11
17/9/2022 23:00	6.28	0.00	0.00	71.45	5.38
18/9/2022 0:00	6.06	0.00	0.00	68.90	5.66
18/9/2022 1:00	6.53	0.00	0.00	73.02	5.50
18/9/2022 2:00	10.38	0.00	0.00	46.87	6.41
18/9/2022 3:00	10.27	0.00	0.00	43.8	6.04
18/9/2022 4:00	9.98	0.00	0.00	43.59	6.23
18/9/2022 5:00	10.27	0.00	0.00	50.46	6.28
18/9/2022 6:00	10.01	0.00	0.00	57.3	8.39
18/9/2022 7:00	9.19	0.00	0.00	49.15	8.55
18/9/2022 8:00	9.34	0.00	0.00	46.71	8.86

18/9/2022 9:00	9.1	0.00	0.00	47.76	8.11
18/9/2022 10:00	9.33	0.00	0.00	53.74	6.57
18/9/2022 11:00	9.13	0.00	0.00	52.51	6.42
18/9/2022 12:00	9.2	0.00	0.00	53.93	6.62
18/9/2022 13:00	9.34	0.00	0.00	55.37	6.46
18/9/2022 14:00	10.47	0.00	0.00	58.17	6.46
18/9/2022 15:00	9.92	0.00	0.00	50.1	6.99
18/9/2022 16:00	10.12	0.00	0.00	48.4	7.16
18/9/2022 17:00	10.4	0.00	0.00	47.86	6.13
18/9/2022 18:00	10.03	0.00	0.00	43.8	6.77
18/9/2022 19:00	10.32	0.00	0.00	52.19	6.01
18/9/2022 20:00	10.12	0.00	0.00	44.44	6.17
18/9/2022 21:00	10.12	0.00	0.00	43.11	6.65
18/9/2022 22:00	10.03	0.00	0.00	44.67	6.41
18/9/2022 23:00	10.21	0.00	0.00	54.73	6.73
19/9/2022 0:00	10.19	0.00	0.00	48.55	7.17
19/9/2022 1:00	10.16	0.00	0.00	56.95	7.67
19/9/2022 2:00	9.69	0.00	0.00	54.38	8.12
19/9/2022 3:00	9.28	0.00	0.00	50.39	7.88
19/9/2022 4:00	9.42	0.00	0.00	55.21	8.27
19/9/2022 5:00	9.29	0.00	0.00	58.19	8.30
19/9/2022 6:00	9.46	0.00	0.00	61.36	8.04
19/9/2022 7:00	9.43	0.00	0.00	57.74	8.60
19/9/2022 8:00	9.14	0.00	0.00	55.34	7.26
19/9/2022 9:00	9.26	0.00	0.00	57.98	6.81
19/9/2022 10:00	9.8	0.00	0.00	66.8	6.53
19/9/2022 11:00	9.81	0.00	0.00	68.72	6.52
19/9/2022 12:00	9.64	0.00	0.00	66.91	6.67
19/9/2022 13:00	9.39	0.00	0.00	61.06	7.01
19/9/2022 14:00	11.01	0.00	0.00	65.52	6.18
19/9/2022 15:00	10.23	0.00	0.00	46.34	6.84
19/9/2022 16:00	10.61	0.00	0.00	52.05	7.51
19/9/2022 17:00	10.61	0.00	0.00	53.23	9.35

19/9/2022 18:00	10.52	0.00	0.00	48.64	6.61
19/9/2022 19:00	10.22	0.00	0.00	44.58	5.90
19/9/2022 20:00	10.26	0.00	0.00	46.75	6.15
19/9/2022 21:00	10.52	0.00	0.00	53.06	16.68
19/9/2022 22:00	10.5	0.00	0.00	49.63	6.57
19/9/2022 23:00	10.15	0.00	0.00	45.29	6.60
20/9/2022 0:00	10.06	0.00	0.00	51.55	6.60
20/9/2022 1:00	9.44	0.00	0.00	46.62	8.02
20/9/2022 2:00	9.16	0.00	0.00	41.52	9.67
20/9/2022 3:00	9.24	0.00	0.00	53.38	7.93
20/9/2022 4:00	9.26	0.00	0.00	51.11	7.32
20/9/2022 5:00	9.29	0.00	0.00	56.01	7.07
20/9/2022 6:00	9.2	0.00	0.00	52.82	6.93
20/9/2022 7:00	9.21	0.00	0.00	53.46	7.54
20/9/2022 8:00	9.45	0.00	0.00	54.14	8.06
20/9/2022 9:00	9.53	0.00	0.00	52.02	8.05
20/9/2022 10:00	9.4	0.00	0.00	57.06	7.60
20/9/2022 11:00	9.5	0.00	0.00	58.77	6.77
20/9/2022 12:00	9.55	0.00	0.00	59.5	6.84
20/9/2022 13:00	9.5	0.00	0.00	55.97	6.95
20/9/2022 14:00	10.32	0.00	0.00	70.13	6.69
20/9/2022 15:00	9.72	0.00	0.00	48.68	7.68
20/9/2022 16:00	10.18	0.00	0.00	54.65	8.32
20/9/2022 17:00	10.11	0.00	0.00	50.61	7.76
20/9/2022 18:00	10.46	0.00	0.00	56.1	7.54
20/9/2022 19:00	10.59	0.00	0.00	49.67	6.62
20/9/2022 20:00	7.07	0.00	0.00	81.60	5.20
20/9/2022 21:00	6.76	0.00	0.00	80.47	5.16
20/9/2022 22:00	7.33	0.00	0.00	87.41	5.10
20/9/2022 23:00	6.80	0.00	0.00	78.01	4.69
21/9/2022 0:00	7.02	0.00	0.00	80.21	4.68
21/9/2022 1:00	6.60	0.00	0.00	88.92	4.66
21/9/2022 2:00	7.35	0.00	0.00	87.60	4.66

21/9/2022 3:00	6.82	0.00	0.00	82.66	4.97
21/9/2022 4:00	6.62	0.00	0.00	88.59	5.15
21/9/2022 5:00	6.57	0.00	0.00	88.09	4.79
21/9/2022 6:00	6.86	0.00	0.00	81.56	4.66
21/9/2022 7:00	6.59	0.00	0.00	89.20	5.22
21/9/2022 8:00	6.41	0.00	0.00	85.48	4.68
21/9/2022 9:00	6.78	0.00	0.00	86.24	4.77
21/9/2022 10:00	6.61	0.00	0.00	82.38	4.80
21/9/2022 11:00	6.47	0.00	0.00	81.89	4.52
21/9/2022 12:00	6.28	0.00	0.00	75.85	4.48
21/9/2022 13:00	6.37	0.00	0.00	77.84	4.67
21/9/2022 14:00	6.43	0.00	0.00	81.80	5.28
21/9/2022 15:00	6.43	0.00	0.00	81.62	5.43
21/9/2022 16:00	6.62	0.00	0.00	80.98	4.78
21/9/2022 17:00	6.48	0.00	0.00	76.35	4.43
21/9/2022 18:00	6.41	0.00	0.00	76.28	4.46
21/9/2022 19:00	6.01	0.00	0.00	69.08	4.57
21/9/2022 20:00	6.26	0.00	0.00	76.07	5.13
21/9/2022 21:00	9.30	0.00	0.00	56.63	8.81
21/9/2022 22:00	9.36	0.00	0.00	59.08	9.22
21/9/2022 23:00	9.43	0.00	0.00	59.44	9.01
22/9/2022 0:00	9.71	0.00	0.00	63.00	8.57
22/9/2022 1:00	9.71	0.00	0.00	62.09	8.28
22/9/2022 2:00	9.34	0.00	0.00	50.31	8.15
22/9/2022 3:00	9.34	0.00	0.00	50.32	7.99
22/9/2022 4:00	9.49	0.00	0.03	63.43	7.96
22/9/2022 5:00	9.33	0.00	0.01	59.56	8.75
22/9/2022 6:00	9.45	0.00	0.15	61.49	9.36
22/9/2022 7:00	9.64	0.00	0.00	68.35	8.96
22/9/2022 8:00	9.38	0.00	0.00	59.69	8.83
22/9/2022 9:00	9.58	0.00	0.00	66.86	7.93
22/9/2022 10:00	9.40	0.00	0.00	61.15	10.45
22/9/2022 11:00	9.53	0.00	0.00	67.08	8.22

22/9/2022 12:00	9.24	0.00	0.00	61.39	8.97
22/9/2022 13:00	9.49	0.00	0.00	70.51	11.45
22/9/2022 14:00	9.55	0.00	0.01	65.72	9.50
22/9/2022 15:00	10.78	0.00	0.13	67.50	8.27
22/9/2022 16:00	10.92	0.00	0.01	60.17	11.98
22/9/2022 17:00	10.28	0.00	0.00	48.21	7.03
22/9/2022 18:00	10.43	0.00	0.00	48.75	6.93
22/9/2022 19:00	10.30	0.00	0.00	47.62	7.16
22/9/2022 20:00	10.37	0.00	0.00	47.59	7.02
22/9/2022 21:00	10.22	0.00	0.00	45.53	7.86
22/9/2022 22:00	10.41	0.00	0.00	47.95	8.18
22/9/2022 23:00	10.23	0.00	0.00	44.35	8.11
23/9/2022 0:00	10.28	0.00	0.00	46.29	8.14
23/9/2022 1:00	10.07	0.00	0.00	42.17	7.57
23/9/2022 2:00	8.91	0.00	0.00	37.85	11.16
23/9/2022 3:00	9.54	0.00	0.16	60.84	9.36
23/9/2022 4:00	9.43	0.00	0.20	57.47	9.78
23/9/2022 5:00	9.33	0.00	0.24	59.78	9.90
23/9/2022 6:00	9.50	0.00	0.23	60.26	10.01
23/9/2022 7:00	9.55	0.00	0.09	62.89	10.76
23/9/2022 8:00	9.71	0.00	0.22	65.98	9.04
23/9/2022 9:00	9.64	0.00	0.09	65.55	9.07
23/9/2022 10:00	9.75	0.00	0.21	66.59	8.51
23/9/2022 11:00	9.90	0.00	0.14	68.30	8.28
23/9/2022 12:00	9.43	0.00	0.15	59.64	8.35
23/9/2022 13:00	9.55	0.00	0.06	64.66	8.07
23/9/2022 14:00	9.77	0.00	0.00	63.37	8.08
23/9/2022 15:00	10.87	0.00	0.00	68.31	8.14
23/9/2022 16:00	10.84	0.00	0.00	62.61	17.64
23/9/2022 17:00	10.49	0.00	0.00	49.36	8.14
23/9/2022 18:00	10.58	0.00	0.00	47.53	9.78
23/9/2022 19:00	10.33	0.00	0.00	43.00	8.00
23/9/2022 20:00	10.46	0.00	0.00	44.21	6.80

23/9/2022 21:00	10.01	0.00	0.00	36.93	7.68
23/9/2022 22:00	10.30	0.00	0.00	41.62	8.06
23/9/2022 23:00	10.23	0.00	0.00	40.41	7.76
24/9/2022 0:00	10.26	0.00	0.00	43.35	8.86
24/9/2022 1:00	10.14	0.00	0.00	42.19	7.42
24/9/2022 2:00	9.39	0.00	1.05	49.73	13.38
24/9/2022 3:00	9.69	0.00	0.16	64.90	9.40
24/9/2022 4:00	9.50	0.00	0.17	57.78	10.58
24/9/2022 5:00	9.45	0.00	0.25	57.96	10.33
24/9/2022 6:00	9.46	0.00	0.26	60.92	10.45
24/9/2022 7:00	9.55	0.00	0.05	62.13	10.97
24/9/2022 8:00	9.30	0.00	0.00	56.63	8.81
24/9/2022 9:00	9.36	0.00	0.00	59.08	9.22
24/9/2022 10:00	9.43	0.00	0.00	59.44	9.01
24/9/2022 11:00	9.71	0.00	0.00	63.00	8.57
24/9/2022 12:00	9.71	0.00	0.00	62.09	8.28
24/9/2022 13:00	9.34	0.00	0.00	50.31	8.15
24/9/2022 14:00	9.96	0.00	0.00	82.92	9.78
24/9/2022 15:00	10.86	0.00	0.00	81.56	7.68
24/9/2022 16:00	10.42	0.00	0.00	53.85	13.15
24/9/2022 17:00	10.57	0.00	0.00	49.14	10.48
24/9/2022 18:00	10.42	0.00	0.00	43.59	10.36
24/9/2022 19:00	10.33	0.00	0.00	40.82	17.94
24/9/2022 20:00	10.17	0.00	0.00	39.87	6.45
24/9/2022 21:00	10.36	0.00	0.00	45.88	7.17
24/9/2022 22:00	10.48	0.00	0.00	52.39	7.37
24/9/2022 23:00	10.29	0.00	0.00	46.78	7.11
25/9/2022 0:00	10.41	0.00	0.00	49.72	7.27
25/9/2022 1:00	10.29	0.00	0.00	43.16	6.66
25/9/2022 2:00	9.48	0.00	0.00	50.59	11.75
25/9/2022 3:00	9.31	0.00	0.06	52.69	10.99
25/9/2022 4:00	9.49	0.00	0.00	60.92	8.38
25/9/2022 5:00	9.67	0.00	0.00	63.05	9.13

25/9/2022 6:00	9.38	0.00	0.00	57.72	10.42
25/9/2022 7:00	9.35	0.00	0.11	58.09	8.63
25/9/2022 8:00	9.67	0.00	0.12	66.98	9.17
25/9/2022 9:00	9.77	0.00	0.00	62.70	7.89
25/9/2022 10:00	9.60	0.00	0.00	61.98	8.17
25/9/2022 11:00	9.62	0.00	0.00	68.03	7.81
25/9/2022 12:00	9.87	0.00	0.00	70.26	7.92
25/9/2022 13:00	9.57	0.00	0.00	62.13	8.16
25/9/2022 14:00	9.78	0.00	0.00	59.61	8.01
25/9/2022 15:00	11.02	0.00	0.00	57.40	8.23
25/9/2022 16:00	5.72	0.00	0.00	45.31	9.14
25/9/2022 17:00	5.81	0.00	1.57	41.92	5.05
25/9/2022 18:00	5.96	0.00	0.00	47.6	5.15
25/9/2022 19:00	5.76	0.00	0.00	47.52	9.41
25/9/2022 20:00	6.01	0.00	0.00	68.85	4.86
25/9/2022 21:00	5.88	0.00	0.00	66.14	5.21
25/9/2022 22:00	6.86	0.00	0.00	79.32	5.82
25/9/2022 23:00	6.52	0.00	0.00	75.44	5.65
26/9/2022 0:00	6.84	0.00	0.00	82.24	5.26
26/9/2022 1:00	6.30	0.00	0.00	70.03	4.92
26/9/2022 2:00	6.23	0.00	0.00	63.70	5.02
26/9/2022 3:00	6.32	0.00	0.00	66.43	5.11
26/9/2022 4:00	6.32	0.00	0.00	64.35	5.26
26/9/2022 5:00	5.00	0.00	0.00	69.64	4.90
26/9/2022 6:00	6.86	0.00	0.00	68.05	4.38
26/9/2022 7:00	6.52	0.00	0.00	64.75	4.35
26/9/2022 8:00	6.48	0.00	0.00	64.39	4.20
26/9/2022 9:00	6.43	0.00	0.00	66.57	4.25
26/9/2022 10:00	6.23	0.00	0.00	62.90	4.46
26/9/2022 11:00	6.44	0.00	0.00	67.48	4.38
26/9/2022 12:00	6.08	0.00	0.00	63.71	4.98
26/9/2022 13:00	6.57	0.00	0.00	64.81	4.60
26/9/2022 14:00	6.64	0.00	0.00	65.95	4.15

26/9/2022 15:00	6.70	0.00	0.00	69.26	4.30
26/9/2022 16:00	6.65	0.00	0.00	65.99	4.36
26/9/2022 17:00	5.90	0.00	0.00	62.51	5.56
26/9/2022 18:00	6.04	0.00	0.00	66.94	5.11
26/9/2022 19:00	6.28	0.00	0.00	71.45	5.38
26/9/2022 20:00	6.06	0.00	0.00	68.90	5.66
26/9/2022 21:00	6.53	0.00	0.00	73.02	5.50
26/9/2022 22:00	9.4	0.00	0.00	48.18	10.94
26/9/2022 23:00	9.62	0.00	0.00	51.81	9.26
27/9/2022 0:00	9.57	0.00	0.00	51.73	9.32
27/9/2022 1:00	9.48	0.00	0.00	57.26	8.51
27/9/2022 2:00	9.45	0.00	0.00	62.6	8.99
27/9/2022 3:00	9.48	0.00	0.00	64.18	9.54
27/9/2022 4:00	9.44	0.00	0.00	61.16	9.56
27/9/2022 5:00	9.38	0.00	0.00	63.12	9.20
27/9/2022 6:00	9.67	0.00	0.00	68.76	7.80
27/9/2022 7:00	9.61	0.00	0.00	64.12	7.53
27/9/2022 8:00	9.44	0.00	0.00	64.37	7.78
27/9/2022 9:00	9.28	0.00	0.00	69.41	7.53
27/9/2022 10:00	9.92	0.00	0.00	76.23	7.62
27/9/2022 11:00	9.83	0.00	0.00	66.75	7.86
27/9/2022 12:00	9.6	0.00	0.00	68.95	8.40
27/9/2022 13:00	9.55	0.00	0.00	65.5	8.79
Average	8.14	0.07	0.49	57.77	10.13
Max	11.02	30.67	53.54	89.20	45.41
Min	2.60	0.00	0.00	13.32	3.82

^{1/} O₂ Lower detection limit = <0.04%O₂

^{2/} SO₂ Lower detection limit = 0.1 ppm

^{3/} CO Lower detection limit = 0.2 ppm

^{4/} NOx Lower detection limit = 0.04 ppm

^{5/} calculate from opacity , Dust (mg/m³) = 3.878e^{0.073x} , x = opacity (%)

ข้อมูล Cems FG ตุลาคม 2565

Time	O ₂ ^{1/}	Sox @O ₂ 7% ^{2/}	CO @O ₂ 7% ^{3/}	Nox @O ₂ 7% ^{4/}	Dust @O ₂ 7% ^{5/}
Unit	%	ppm	ppm	ppm	mg/Nm3
EIA Limit	-	50	690	90	50
1/10/2022 0:00	7.13	0.00	0.00	63.03	4.48
1/10/2022 1:00	7.00	0.00	0.00	57.55	4.52
1/10/2022 2:00	6.95	0.00	0.00	56.42	4.15
1/10/2022 3:00	6.92	0.00	0.01	57.21	4.07
1/10/2022 4:00	6.81	0.00	0.05	60.41	4.26
1/10/2022 5:00	7.09	0.00	0.00	63.23	4.51
1/10/2022 6:00	6.95	0.00	0.00	57.69	4.66
1/10/2022 7:00	6.88	0.00	0.00	56.85	4.59
1/10/2022 8:00	6.95	0.00	0.00	60.32	4.80
1/10/2022 9:00	6.14	0.00	0.06	68.38	7.58
1/10/2022 10:00	6.09	0.00	0.09	64.01	5.96
1/10/2022 11:00	6.26	0.00	0.07	70.12	6.66
1/10/2022 12:00	6.19	0.00	0.10	64.87	6.25
1/10/2022 13:00	6.22	0.00	0.01	65.34	7.03
1/10/2022 14:00	6.05	0.00	0.11	63.35	7.57
1/10/2022 15:00	6.16	0.00	0.00	63.35	7.15
1/10/2022 16:00	6.25	0.00	0.00	68.14	5.97
1/10/2022 17:00	6.11	0.00	0.00	63.79	5.58
1/10/2022 18:00	6.26	0.00	0.00	68.29	5.88
1/10/2022 19:00	6.18	0.00	0.00	63.56	5.52
1/10/2022 20:00	6.19	0.00	0.00	61.98	5.31
1/10/2022 21:00	7.07	0.00	0.00	69.15	4.13
1/10/2022 22:00	7.11	0.00	0.00	63.72	4.25
1/10/2022 23:00	7.04	0.00	0.00	57.63	4.51
2/10/2022 0:00	7.34	0.00	0.00	64.47	4.59
2/10/2022 1:00	7.05	0.00	0.00	57.77	4.36
2/10/2022 2:00	7.15	0.00	0.00	59.85	3.98
2/10/2022 3:00	6.81	0.00	0.00	53.53	4.04
2/10/2022 4:00	5.73	0.00	0.00	62.48	4.17

2/10/2022 5:00	6.99	0.00	0.00	55.54	4.40
2/10/2022 6:00	7.22	0.00	0.00	60.08	4.83
2/10/2022 7:00	7.03	0.00	0.00	56.64	4.69
2/10/2022 8:00	4.27	0.00	0.08	54.10	4.39
2/10/2022 9:00	5.81	0.00	0.03	55.96	7.03
2/10/2022 10:00	6.15	0.00	0.04	65.72	6.52
2/10/2022 11:00	6.21	0.00	0.06	63.55	6.91
2/10/2022 12:00	6.24	0.00	0.21	66.43	7.38
2/10/2022 13:00	5.92	0.00	0.11	61.30	6.77
2/10/2022 14:00	6.16	0.00	0.24	70.12	7.51
2/10/2022 15:00	5.95	0.00	0.00	60.47	6.97
2/10/2022 16:00	6.06	0.00	0.25	65.67	5.70
2/10/2022 17:00	6.21	0.00	0.20	68.91	5.62
2/10/2022 18:00	6.14	0.00	0.00	65.22	5.67
2/10/2022 19:00	6.22	0.00	0.00	67.98	5.99
2/10/2022 20:00	6.50	0.00	0.13	69.49	6.30
2/10/2022 21:00	7.04	0.00	0.00	70.70	4.25
2/10/2022 22:00	6.61	0.00	0.00	54.70	4.36
2/10/2022 23:00	6.99	0.00	0.09	63.34	4.37
3/10/2022 0:00	7.22	0.00	0.00	69.90	4.68
3/10/2022 1:00	6.85	0.00	0.00	61.53	5.17
3/10/2022 2:00	7.06	0.00	0.00	63.18	4.07
3/10/2022 3:00	7.04	0.00	0.00	62.64	4.08
3/10/2022 4:00	7.12	0.00	0.00	63.92	4.08
3/10/2022 5:00	6.99	0.00	0.00	57.26	4.34
3/10/2022 6:00	7.83	0.00	0.00	69.41	4.72
3/10/2022 7:00	7.08	0.00	0.00	60.66	4.39
3/10/2022 8:00	6.97	0.00	0.00	64.20	5.06
3/10/2022 9:00	6.25	0.00	0.00	73.52	6.73
3/10/2022 10:00	6.38	0.00	0.00	73.67	6.85
3/10/2022 11:00	6.42	0.00	0.00	76.52	7.04
3/10/2022 12:00	6.21	0.00	0.00	72.30	6.65
3/10/2022 13:00	6.25	0.00	0.00	70.81	7.28

3/10/2022 14:00	6.25	0.00	0.00	67.61	8.40
3/10/2022 15:00	6.32	0.00	0.00	68.87	7.34
3/10/2022 16:00	6.30	0.00	0.00	68.77	11.36
3/10/2022 17:00	6.39	0.00	0.00	71.53	5.99
3/10/2022 18:00	6.35	0.00	0.00	68.14	5.80
3/10/2022 19:00	6.49	0.00	0.00	72.75	5.86
3/10/2022 20:00	6.30	0.00	0.00	71.22	6.03
3/10/2022 21:00	7.05	0.00	0.00	72.99	4.37
3/10/2022 22:00	7.45	0.00	0.00	70.27	4.48
3/10/2022 23:00	7.30	0.00	0.00	67.49	4.81
4/10/2022 0:00	6.92	0.00	0.00	63.33	4.56
4/10/2022 1:00	7.02	0.00	0.00	60.49	4.82
4/10/2022 2:00	6.94	0.00	0.00	56.34	4.24
4/10/2022 3:00	7.09	0.00	0.00	59.08	4.20
4/10/2022 4:00	7.12	0.00	0.00	58.52	4.50
4/10/2022 5:00	7.15	0.00	0.00	56.14	4.18
4/10/2022 6:00	7.13	0.00	0.00	60.03	4.56
4/10/2022 7:00	7.47	0.00	0.00	65.98	4.71
4/10/2022 8:00	7.14	0.00	0.00	60.78	4.81
4/10/2022 9:00	7.08	0.00	0.00	59.14	4.09
4/10/2022 10:00	7.12	0.00	0.00	60.85	4.11
4/10/2022 11:00	7.21	0.00	0.00	63.98	4.21
4/10/2022 12:00	7.14	0.00	0.02	64.02	4.55
4/10/2022 13:00	7.05	0.00	0.14	60.87	4.50
4/10/2022 14:00	7.03	0.00	0.13	60.94	4.36
4/10/2022 15:00	7.07	0.00	0.19	61.59	4.09
4/10/2022 16:00	7.08	0.00	0.16	61.93	4.11
4/10/2022 17:00	7.36	0.00	0.12	65.58	4.09
4/10/2022 18:00	6.97	0.00	0.00	56.83	4.09
4/10/2022 19:00	7.26	0.00	0.00	65.88	4.12
4/10/2022 20:00	7.16	0.00	0.00	63.62	4.15
4/10/2022 21:00	7.04	0.00	0.00	62.39	4.23
4/10/2022 22:00	7.20	0.00	0.00	63.57	4.15

4/10/2022 23:00	7.10	0.00	0.09	62.59	4.50
5/10/2022 0:00	7.12	0.00	0.06	63.19	4.79
5/10/2022 1:00	7.23	0.00	0.02	64.23	4.66
5/10/2022 2:00	7.06	0.00	0.00	60.58	4.35
5/10/2022 3:00	6.95	0.00	0.00	57.39	4.27
5/10/2022 4:00	7.11	0.00	0.00	62.49	4.32
5/10/2022 5:00	6.97	0.00	0.00	60.02	4.38
5/10/2022 6:00	7.14	0.00	0.00	64.55	4.73
5/10/2022 7:00	6.93	0.00	0.00	59.27	4.75
5/10/2022 8:00	6.91	0.00	0.00	60.93	5.50
5/10/2022 9:00	6.12	0.00	0.00	65.39	10.25
5/10/2022 10:00	6.03	0.00	0.00	68.72	8.74
5/10/2022 11:00	6.06	0.00	0.00	63.06	7.00
5/10/2022 12:00	6.00	0.00	0.09	64.74	7.51
5/10/2022 13:00	6.10	0.00	0.22	67.63	7.45
5/10/2022 14:00	6.06	0.00	0.23	65.46	8.25
5/10/2022 15:00	6.05	0.00	0.22	67.13	7.51
5/10/2022 16:00	6.24	0.00	0.23	68.33	7.70
5/10/2022 17:00	6.05	0.00	0.23	67.37	6.42
5/10/2022 18:00	6.22	0.00	0.20	69.43	6.02
5/10/2022 19:00	6.48	0.00	0.00	71.78	6.15
5/10/2022 20:00	6.26	0.00	0.16	68.52	6.37
5/10/2022 21:00	7.18	0.00	0.00	68.29	4.34
5/10/2022 22:00	6.86	0.00	0.00	58.36	4.42
5/10/2022 23:00	7.05	0.00	0.00	59.74	4.58
6/10/2022 0:00	7.27	0.00	0.00	67.76	4.73
6/10/2022 1:00	7.19	0.00	0.00	67.48	4.58
6/10/2022 2:00	7.25	0.00	0.00	64.22	4.12
6/10/2022 3:00	6.91	0.00	0.00	58.24	4.12
6/10/2022 4:00	7.28	0.00	0.00	63.52	4.20
6/10/2022 5:00	7.08	0.00	0.00	60.22	4.54
6/10/2022 6:00	7.20	0.00	0.00	61.70	5.44
6/10/2022 7:00	7.11	0.00	0.00	58.79	4.69

6/10/2022 8:00	6.78	0.00	0.00	58.11	5.73
6/10/2022 9:00	5.87	0.00	0.00	59.78	8.49
6/10/2022 10:00	6.15	0.00	0.00	65.27	7.80
6/10/2022 11:00	6.00	0.00	0.00	71.97	7.57
6/10/2022 12:00	6.11	0.00	0.00	72.01	7.02
6/10/2022 13:00	6.16	0.00	0.00	74.93	6.57
6/10/2022 14:00	6.08	0.00	0.00	70.57	8.09
6/10/2022 15:00	6.14	0.00	0.00	69.21	9.15
6/10/2022 16:00	6.56	0.00	0.00	77.05	9.15
6/10/2022 17:00	6.15	0.00	0.00	67.18	5.87
6/10/2022 18:00	6.31	0.00	0.00	72.74	5.99
6/10/2022 19:00	6.18	0.00	0.00	68.69	5.60
6/10/2022 20:00	6.16	0.00	0.00	63.03	5.90
6/10/2022 21:00	7.32	0.00	0.00	63.09	4.02
6/10/2022 22:00	7.03	0.00	0.00	56.67	4.08
6/10/2022 23:00	7.36	0.00	0.00	60.70	4.34
7/10/2022 0:00	7.23	0.00	0.00	60.92	4.78
7/10/2022 1:00	7.13	0.00	0.00	64.47	5.16
7/10/2022 2:00	7.12	0.00	0.00	62.32	4.19
7/10/2022 3:00	7.32	0.00	0.00	65.36	4.48
7/10/2022 4:00	7.08	0.00	0.00	58.17	4.26
7/10/2022 5:00	6.90	0.00	0.00	56.09	4.26
7/10/2022 6:00	7.57	0.00	0.00	67.26	4.77
7/10/2022 7:00	7.04	0.00	0.00	56.48	4.57
7/10/2022 8:00	7.05	0.00	0.00	59.59	6.39
7/10/2022 9:00	5.98	0.00	0.06	68.27	8.26
7/10/2022 10:00	5.86	0.00	0.05	62.95	7.16
7/10/2022 11:00	5.92	0.00	0.18	64.48	7.21
7/10/2022 12:00	6.02	0.00	0.10	66.15	7.22
7/10/2022 13:00	5.94	0.00	0.14	69.93	7.53
7/10/2022 14:00	6.10	0.00	0.13	68.15	7.93
7/10/2022 15:00	6.27	0.00	0.08	67.77	7.36
7/10/2022 16:00	6.14	0.00	0.08	69.06	6.25

7/10/2022 17:00	6.22	0.00	0.00	67.10	6.08
7/10/2022 18:00	6.23	0.00	0.06	67.21	7.35
7/10/2022 19:00	6.18	0.00	0.04	65.89	7.69
7/10/2022 20:00	6.56	0.00	0.02	74.38	7.60
7/10/2022 21:00	7.82	0.00	0.00	68.70	4.12
7/10/2022 22:00	6.73	0.00	0.00	52.63	4.81
7/10/2022 23:00	7.57	0.00	0.00	63.84	5.28
8/10/2022 0:00	6.99	0.00	0.00	54.82	5.48
8/10/2022 1:00	7.31	0.00	0.00	65.51	6.18
8/10/2022 2:00	7.39	0.00	0.00	63.59	4.29
8/10/2022 3:00	7.13	0.00	0.00	55.82	4.43
8/10/2022 4:00	6.86	0.00	0.00	50.95	4.35
8/10/2022 5:00	7.68	0.00	0.00	64.32	4.69
8/10/2022 6:00	7.20	0.00	0.00	66.24	5.41
8/10/2022 7:00	7.19	0.00	0.00	67.30	9.65
8/10/2022 8:00	6.92	0.00	0.00	64.63	7.99
8/10/2022 9:00	6.52	0.00	0.00	78.33	12.13
8/10/2022 10:00	6.08	0.00	0.00	66.46	9.43
8/10/2022 11:00	6.31	0.00	0.00	72.20	5.96
8/10/2022 12:00	6.49	0.00	0.00	66.12	5.65
8/10/2022 13:00	6.56	0.00	0.00	70.36	6.28
8/10/2022 14:00	6.16	0.00	0.00	69.08	7.84
8/10/2022 15:00	6.22	0.00	0.00	72.06	8.24
8/10/2022 16:00	6.08	0.00	0.00	64.53	5.89
8/10/2022 17:00	6.20	0.00	0.00	67.02	5.38
8/10/2022 18:00	6.32	0.00	0.00	68.17	5.45
8/10/2022 19:00	6.35	0.00	0.00	62.74	5.31
8/10/2022 20:00	6.55	0.00	0.00	64.87	5.13
8/10/2022 21:00	7.79	0.00	0.00	70.32	4.20
8/10/2022 22:00	7.12	0.00	0.00	59.13	4.57
8/10/2022 23:00	7.05	0.00	0.00	60.07	5.04
9/10/2022 0:00	7.08	0.00	0.00	57.56	4.73
9/10/2022 1:00	6.89	0.00	0.00	56.86	4.99

9/10/2022 2:00	7.02	0.00	0.00	57.96	4.26
9/10/2022 3:00	6.77	0.00	0.00	53.65	4.26
9/10/2022 4:00	7.08	0.00	0.00	57.73	4.73
9/10/2022 5:00	6.91	0.00	0.00	54.94	4.45
9/10/2022 6:00	7.10	0.00	0.00	59.02	4.99
9/10/2022 7:00	6.90	0.00	0.00	57.75	4.70
9/10/2022 8:00	6.59	0.00	0.00	51.95	5.41
9/10/2022 9:00	6.19	0.00	0.00	66.76	6.84
9/10/2022 10:00	5.96	0.00	0.00	66.03	6.14
9/10/2022 11:00	6.04	0.00	0.00	66.22	6.41
9/10/2022 12:00	6.33	0.00	0.00	66.27	5.94
9/10/2022 13:00	6.41	0.00	0.00	71.01	7.17
9/10/2022 14:00	5.89	0.00	0.00	63.61	9.11
9/10/2022 15:00	5.89	0.00	0.00	61.62	8.09
9/10/2022 16:00	5.97	0.00	0.00	58.90	6.39
9/10/2022 17:00	6.32	0.00	0.00	65.42	5.60
9/10/2022 18:00	6.33	0.00	0.00	62.68	5.51
9/10/2022 19:00	6.25	0.00	0.00	68.15	5.32
9/10/2022 20:00	6.37	0.00	0.00	60.46	5.23
9/10/2022 21:00	7.45	0.00	0.00	58.41	4.15
9/10/2022 22:00	6.99	0.00	0.00	55.46	4.25
9/10/2022 23:00	7.22	0.00	0.00	62.05	4.65
10/10/2022 0:00	7.18	0.00	0.00	62.91	5.09
10/10/2022 1:00	7.32	0.00	0.00	58.91	5.52
10/10/2022 2:00	6.91	0.00	0.00	51.26	4.06
10/10/2022 3:00	6.91	0.00	0.00	55.39	4.10
10/10/2022 4:00	6.66	0.00	0.00	52.05	4.70
10/10/2022 5:00	7.15	0.00	0.00	58.55	4.17
10/10/2022 6:00	6.81	0.00	0.00	54.06	4.96
10/10/2022 7:00	6.91	0.00	0.00	50.73	4.95
10/10/2022 8:00	6.93	0.00	0.00	56.45	5.06
10/10/2022 9:00	6.22	0.00	0.00	72.90	7.48
10/10/2022 10:00	5.81	0.00	0.00	65.14	6.88

10/10/2022 11:00	6.00	0.00	0.00	63.31	6.60
10/10/2022 12:00	6.24	0.00	0.00	68.30	7.24
10/10/2022 13:00	6.24	0.00	0.00	71.31	7.43
10/10/2022 14:00	6.26	0.00	0.00	73.70	9.17
10/10/2022 15:00	6.06	0.00	0.00	74.27	7.77
10/10/2022 16:00	5.98	0.00	0.00	63.93	6.54
10/10/2022 17:00	5.90	0.00	0.00	60.84	6.90
10/10/2022 18:00	6.14	0.00	0.00	66.24	6.45
10/10/2022 19:00	6.30	0.00	0.00	64.14	6.23
10/10/2022 20:00	6.09	0.00	0.00	60.40	6.60
10/10/2022 21:00	7.72	0.00	0.00	68.96	4.22
10/10/2022 22:00	6.93	0.00	0.00	57.36	4.45
10/10/2022 23:00	7.22	0.00	0.00	65.33	4.97
11/10/2022 0:00	7.02	0.00	0.00	58.58	4.81
11/10/2022 1:00	6.94	0.00	0.00	57.45	4.69
11/10/2022 2:00	7.25	0.00	0.00	58.81	4.19
11/10/2022 3:00	7.18	0.00	0.00	59.83	4.18
11/10/2022 4:00	7.23	0.00	0.00	62.36	4.20
11/10/2022 5:00	7.01	0.00	0.00	60.63	4.66
11/10/2022 6:00	7.15	0.00	0.00	61.48	4.58
11/10/2022 7:00	7.13	0.00	0.00	59.78	4.79
11/10/2022 8:00	6.95	0.00	0.00	58.79	4.44
11/10/2022 9:00	7.12	0.00	0.00	61.08	4.18
11/10/2022 10:00	7.24	0.00	0.00	62.23	4.70
11/10/2022 11:00	6.83	0.00	0.00	54.22	4.33
11/10/2022 12:00	6.85	0.00	0.00	55.02	4.63
11/10/2022 13:00	7.49	0.00	0.00	68.08	5.13
11/10/2022 14:00	6.97	0.00	0.00	60.00	4.79
11/10/2022 15:00	7.07	0.00	0.00	60.26	4.66
11/10/2022 16:00	6.90	0.00	0.00	55.82	4.17
11/10/2022 17:00	6.90	0.00	0.00	56.61	4.27
11/10/2022 18:00	6.87	0.00	0.00	56.48	4.69
11/10/2022 19:00	6.86	0.00	0.00	52.48	4.28

11/10/2022 20:00	6.84	0.00	0.00	52.76	4.42
11/10/2022 21:00	7.36	0.00	0.00	64.39	4.49
11/10/2022 22:00	6.93	0.00	0.00	56.93	5.06
11/10/2022 23:00	7.14	0.00	0.00	64.64	5.41
12/10/2022 0:00	6.97	0.00	0.00	64.20	5.10
12/10/2022 1:00	7.11	0.00	0.00	60.03	5.18
12/10/2022 2:00	7.38	0.00	0.00	63.26	4.20
12/10/2022 3:00	7.27	0.00	0.00	61.87	4.17
12/10/2022 4:00	6.85	0.00	0.00	52.85	4.22
12/10/2022 5:00	7.43	0.00	0.00	66.42	5.58
12/10/2022 6:00	7.25	0.00	0.00	58.04	5.19
12/10/2022 7:00	6.94	0.00	0.00	51.36	4.90
12/10/2022 8:00	6.69	0.00	0.00	53.79	5.78
12/10/2022 9:00	7.11	0.00	0.00	60.16	4.66
12/10/2022 10:00	6.78	0.00	0.00	56.12	4.97
12/10/2022 11:00	6.98	0.00	0.00	56.68	5.02
12/10/2022 12:00	6.87	0.00	0.00	56.59	5.31
12/10/2022 13:00	7.24	0.00	0.00	59.70	4.89
12/10/2022 14:00	6.88	0.00	0.00	60.39	5.89
12/10/2022 15:00	6.55	0.00	0.00	57.03	5.83
12/10/2022 16:00	6.64	0.00	0.00	54.11	4.94
12/10/2022 17:00	6.68	0.00	0.00	59.42	4.90
12/10/2022 18:00	6.28	0.00	0.00	55.44	5.10
12/10/2022 19:00	6.02	0.00	0.00	61.51	6.44
12/10/2022 20:00	6.26	0.00	0.00	59.01	4.96
12/10/2022 21:00	7.17	0.00	0.00	56.32	4.11
12/10/2022 22:00	6.68	0.00	0.00	49.45	4.59
12/10/2022 23:00	6.86	0.00	0.00	52.60	5.29
13/10/2022 0:00	7.13	0.00	0.00	55.70	4.79
13/10/2022 1:00	6.99	0.00	0.00	50.75	4.95
13/10/2022 2:00	6.92	0.00	0.00	50.23	4.30
13/10/2022 3:00	7.19	0.00	0.00	56.93	4.45
13/10/2022 4:00	7.13	0.00	0.00	54.77	4.99

13/10/2022 5:00	7.08	0.00	0.00	54.55	5.13
13/10/2022 6:00	6.92	0.00	0.00	54.74	5.01
13/10/2022 7:00	7.20	0.00	0.00	59.44	4.72
13/10/2022 8:00	6.83	0.00	0.00	47.84	4.27
13/10/2022 9:00	6.42	0.00	0.00	58.73	5.70
13/10/2022 10:00	6.51	0.00	0.00	58.81	5.08
13/10/2022 11:00	6.36	0.00	0.00	57.29	5.15
13/10/2022 12:00	6.52	0.00	0.00	58.43	4.92
13/10/2022 13:00	6.28	0.00	0.00	57.97	5.79
13/10/2022 14:00	6.19	0.00	0.00	62.98	6.14
13/10/2022 15:00	6.29	0.00	0.00	66.09	6.83
13/10/2022 16:00	6.04	0.00	0.00	60.77	5.19
13/10/2022 17:00	6.26	0.00	0.00	61.89	5.10
13/10/2022 18:00	6.37	0.00	0.00	66.68	5.07
13/10/2022 19:00	6.21	0.00	0.00	61.28	5.35
13/10/2022 20:00	6.17	0.00	0.00	64.43	5.36
13/10/2022 21:00	7.82	0.00	0.00	63.76	4.53
13/10/2022 22:00	7.41	0.00	0.00	60.96	4.84
13/10/2022 23:00	7.09	0.00	0.00	53.45	4.72
Shutdown 14/10/2022 - 25/10/2022					
26/10/2022 9:00	5.55	0.00	0.00	60.50	8.01
26/10/2022 10:00	5.71	0.00	0.00	61.66	7.79
26/10/2022 11:00	5.67	0.00	0.00	60.12	10.03
26/10/2022 12:00	5.63	0.00	0.00	60.27	9.54
26/10/2022 13:00	5.70	0.00	0.00	64.73	8.01
26/10/2022 14:00	5.79	0.00	0.00	67.76	7.53
26/10/2022 15:00	5.73	0.00	0.00	67.03	7.12
26/10/2022 16:00	5.92	0.00	0.00	63.19	6.45
26/10/2022 17:00	5.79	0.00	0.00	64.76	6.22
26/10/2022 18:00	5.78	0.00	0.00	65.93	6.29
26/10/2022 19:00	5.89	0.00	0.00	68.02	6.29
26/10/2022 20:00	5.79	0.00	0.00	65.11	6.63
26/10/2022 21:00	6.26	0.00	0.00	57.00	5.22

26/10/2022 22:00	6.31	0.00	0.00	64.27	5.98
26/10/2022 23:00	6.35	0.00	0.00	65.70	6.25
27/10/2022 0:00	6.39	0.00	0.00	65.89	6.99
27/10/2022 1:00	6.18	0.00	0.00	63.26	6.59
27/10/2022 2:00	6.21	0.00	0.00	66.91	6.23
27/10/2022 3:00	6.19	0.00	0.00	61.63	5.95
27/10/2022 4:00	6.25	0.00	0.00	63.92	5.90
27/10/2022 5:00	6.42	0.00	0.00	62.03	5.48
27/10/2022 6:00	6.51	0.00	0.00	65.11	5.73
27/10/2022 7:00	6.61	0.00	0.00	58.84	4.75
27/10/2022 8:00	6.11	0.00	0.00	49.27	4.95
27/10/2022 9:00	6.03	0.00	0.00	66.28	7.75
27/10/2022 10:00	5.62	0.00	0.00	59.96	8.68
27/10/2022 11:00	5.70	0.00	0.00	62.97	8.83
27/10/2022 12:00	5.66	0.00	0.00	63.63	7.87
27/10/2022 13:00	5.70	0.00	0.00	66.85	16.31
27/10/2022 14:00	5.59	0.00	0.00	63.81	8.38
27/10/2022 15:00	5.72	0.00	0.00	64.40	9.55
27/10/2022 16:00	5.94	0.00	0.00	67.57	6.70
27/10/2022 17:00	6.15	0.00	0.00	68.86	6.50
27/10/2022 18:00	5.76	0.00	0.00	58.98	30.35
27/10/2022 19:00	6.03	0.00	0.00	70.65	7.10
27/10/2022 20:00	5.97	0.00	0.00	68.17	6.88
27/10/2022 21:00	6.56	0.00	0.00	61.34	5.04
27/10/2022 22:00	6.24	0.00	0.00	66.84	5.43
27/10/2022 23:00	6.31	0.00	0.00	68.38	6.14
28/10/2022 0:00	6.71	0.00	0.00	70.68	5.78
28/10/2022 1:00	6.38	0.00	0.00	68.33	6.22
28/10/2022 2:00	6.34	0.00	0.00	71.48	5.10
28/10/2022 3:00	6.40	0.00	0.00	73.89	4.83
28/10/2022 4:00	6.52	0.00	0.00	71.04	4.64
28/10/2022 5:00	6.55	0.00	0.00	76.61	5.42
28/10/2022 6:00	6.73	0.00	0.00	67.47	5.28

28/10/2022 7:00	6.56	0.00	0.00	64.53	5.88
28/10/2022 8:00	6.31	0.00	0.00	72.85	6.64
28/10/2022 9:00	5.89	0.00	0.00	68.79	7.72
28/10/2022 10:00	6.36	0.00	0.00	80.22	7.78
28/10/2022 11:00	6.13	0.00	0.00	70.85	7.01
28/10/2022 12:00	5.80	0.00	0.00	80.73	6.93
28/10/2022 13:00	5.46	0.00	0.00	66.11	6.74
28/10/2022 14:00	5.74	0.00	0.00	70.01	7.15
28/10/2022 15:00	6.18	0.00	0.00	76.83	7.83
28/10/2022 16:00	6.18	0.00	0.00	76.96	6.89
28/10/2022 17:00	5.77	0.00	0.00	60.90	6.70
28/10/2022 18:00	6.21	0.00	0.00	73.90	5.99
28/10/2022 19:00	5.80	0.00	0.00	61.41	6.32
28/10/2022 20:00	5.98	0.00	0.00	67.63	6.37
28/10/2022 21:00	6.95	0.00	0.00	66.26	4.72
28/10/2022 22:00	6.94	0.00	0.00	59.67	5.12
28/10/2022 23:00	7.34	0.00	0.00	72.80	4.69
29/10/2022 0:00	7.29	0.00	0.00	78.41	4.69
29/10/2022 1:00	6.82	0.00	0.00	56.90	4.85
29/10/2022 2:00	7.27	0.00	0.00	68.10	4.24
29/10/2022 3:00	7.46	0.00	0.00	73.68	4.16
29/10/2022 4:00	7.27	0.00	0.00	72.07	3.99
29/10/2022 5:00	7.10	0.00	0.00	67.70	4.29
29/10/2022 6:00	6.80	0.00	0.00	58.41	4.76
29/10/2022 7:00	6.94	0.00	0.00	60.29	4.55
29/10/2022 8:00	6.99	0.00	0.00	60.58	5.44
29/10/2022 9:00	6.20	0.00	0.00	71.38	8.72
29/10/2022 10:00	5.75	0.00	0.00	67.38	7.18
29/10/2022 11:00	5.82	0.00	0.00	74.23	6.35
29/10/2022 12:00	6.03	0.00	0.00	75.22	5.96
29/10/2022 13:00	5.94	0.00	0.00	69.38	6.43
29/10/2022 14:00	6.38	0.00	0.00	73.89	6.54
29/10/2022 15:00	5.93	0.00	0.00	72.38	6.62

29/10/2022 16:00	6.10	0.00	0.00	72.80	5.85
29/10/2022 17:00	6.25	0.00	0.00	69.55	6.37
29/10/2022 18:00	6.48	0.00	0.00	71.94	6.38
29/10/2022 19:00	6.15	0.00	0.00	71.02	5.82
29/10/2022 20:00	6.14	0.00	0.00	65.18	5.69
29/10/2022 21:00	7.82	0.00	0.00	66.23	4.33
29/10/2022 22:00	7.21	0.00	0.00	66.60	4.63
29/10/2022 23:00	7.44	0.00	0.00	71.78	4.87
30/10/2022 0:00	7.30	0.00	0.00	72.70	4.83
30/10/2022 1:00	7.38	0.00	0.00	70.61	5.04
30/10/2022 2:00	7.40	0.00	0.00	69.87	4.43
30/10/2022 3:00	7.59	0.00	0.00	75.86	4.35
30/10/2022 4:00	7.78	0.00	0.00	83.72	4.21
30/10/2022 5:00	7.47	0.00	0.00	78.83	4.38
30/10/2022 6:00	7.20	0.00	0.00	74.68	4.65
30/10/2022 7:00	7.37	0.00	0.00	73.60	4.81
30/10/2022 8:00	6.68	0.00	0.00	61.12	5.25
30/10/2022 9:00	6.25	0.00	0.00	67.52	15.23
30/10/2022 10:00	6.68	0.00	0.00	77.89	7.32
30/10/2022 11:00	6.00	0.00	0.00	74.25	7.42
30/10/2022 12:00	5.80	0.00	0.00	68.39	5.55
30/10/2022 13:00	5.81	0.00	0.00	70.10	5.94
30/10/2022 14:00	5.56	0.00	0.00	66.69	6.04
30/10/2022 15:00	5.59	0.00	0.00	59.23	8.57
30/10/2022 16:00	5.64	0.00	0.00	63.13	5.59
30/10/2022 17:00	6.41	0.00	0.00	62.27	4.71
30/10/2022 18:00	6.66	0.00	0.00	61.27	5.13
30/10/2022 19:00	6.49	0.00	0.00	64.76	5.40
30/10/2022 20:00	6.31	0.00	0.00	54.99	7.90
30/10/2022 21:00	7.23	0.00	0.00	55.00	4.82
30/10/2022 22:00	7.34	0.00	0.00	59.29	4.55
30/10/2022 23:00	7.55	0.00	0.00	67.94	4.96
31/10/2022 0:00	7.40	0.00	0.00	64.99	5.21

31/10/2022 1:00	7.30	0.00	0.00	59.18	5.03
31/10/2022 2:00	7.83	0.00	0.00	71.15	4.84
31/10/2022 3:00	7.81	0.00	0.00	65.23	4.64
31/10/2022 4:00	7.58	0.00	0.00	65.28	4.51
31/10/2022 5:00	7.57	0.00	0.00	56.67	5.02
31/10/2022 6:00	7.86	0.00	0.00	61.43	4.75
31/10/2022 7:00	7.39	0.00	0.00	51.69	5.36
31/10/2022 8:00	6.95	0.00	0.00	49.54	5.67
31/10/2022 9:00	6.87	0.00	0.00	68.89	8.96
31/10/2022 10:00	6.93	0.00	0.00	69.66	6.05
31/10/2022 11:00	6.96	0.00	0.00	67.69	6.27
31/10/2022 12:00	6.65	0.00	0.00	72.24	6.47
31/10/2022 13:00	6.57	0.00	0.00	76.43	6.38
31/10/2022 14:00	6.39	0.00	0.00	69.74	7.86
31/10/2022 15:00	6.38	0.00	0.00	68.19	7.73
31/10/2022 16:00	6.38	0.00	0.00	70.87	6.29
31/10/2022 17:00	6.53	0.00	0.00	66.91	5.58
31/10/2022 18:00	6.79	0.00	0.00	62.59	5.60
31/10/2022 19:00	7.11	0.00	0.00	62.61	5.10
31/10/2022 20:00	6.99	0.00	0.00	61.39	4.56
31/10/2022 21:00	8.09	0.00	0.00	72.00	4.51
31/10/2022 22:00	7.46	0.00	0.00	62.07	4.69
31/10/2022 23:00	7.27	0.00	0.00	57.96	4.69
Average	6.65	0.00	0.01	63.83	5.75
Max	8.09	0.00	0.25	83.72	30.35
Min	4.27	0.00	0.00	47.84	3.98

^{1/} O₂ Lower detection limit = <0.04%O₂

^{2/} SO₂ Lower detection limit = 0.1 ppm

^{3/} CO Lower detection limit = 0.2 ppm

^{4/} NOx Lower detection limit = 0.04 ppm

^{5/} calculate from opacity , Dust (mg/m³) = 3.878e^{0.073x} , x = opacity (%)

ข้อมูล Cems FG พฤศจิกายน 2565

Time	O ₂ ^{1/}	Sox @O ₂ 7% ^{2/}	CO @O ₂ 7% ^{3/}	Nox @O ₂ 7% ^{4/}	Dust @O ₂ 7% ^{5/}
Unit	%	ppm	ppm	ppm	mg/Nm3
EIA Limit	-	50	690	90	50
1/11/2022 0:00	7.10	0.00	0.00	46.11	11.97
1/11/2022 1:00	7.17	0.00	0.24	47.81	16.72
1/11/2022 2:00	7.12	0.00	0.00	54.83	16.63
1/11/2022 3:00	7.15	0.00	0.00	50.38	18.09
1/11/2022 4:00	7.23	0.00	0.00	50.03	10.86
1/11/2022 5:00	7.27	0.00	0.00	53.96	11.08
1/11/2022 6:00	6.99	0.00	0.00	52.35	13.86
1/11/2022 7:00	7.27	0.00	0.00	55.05	6.59
1/11/2022 8:00	7.04	0.00	0.00	58.41	5.95
1/11/2022 9:00	7.40	0.00	0.00	64.49	5.67
1/11/2022 10:00	7.61	0.00	0.00	70.93	5.26
1/11/2022 11:00	7.61	0.00	0.00	67.55	5.16
1/11/2022 12:00	7.65	0.00	0.00	68.96	4.77
1/11/2022 13:00	7.10	0.00	0.00	56.24	5.29
1/11/2022 14:00	6.78	0.00	0.00	45.96	6.19
1/11/2022 15:00	6.99	0.00	0.00	53.69	6.23
1/11/2022 16:00	6.95	0.00	0.00	52.64	6.42
1/11/2022 17:00	7.05	0.00	0.00	53.58	5.06
1/11/2022 18:00	6.98	0.00	0.00	51.07	4.98
1/11/2022 19:00	7.05	0.00	0.00	52.09	4.91
1/11/2022 20:00	7.16	0.00	0.00	56.65	4.99
1/11/2022 21:00	7.18	0.00	0.00	57.65	5.15
1/11/2022 22:00	7.06	0.00	0.00	56.68	5.48
1/11/2022 23:00	6.94	0.00	0.00	51.14	6.35
2/11/2022 0:00	6.85	0.00	0.00	49.73	6.86
2/11/2022 1:00	7.21	0.00	0.00	58.06	6.56
2/11/2022 2:00	7.37	0.00	0.00	60.22	5.72
2/11/2022 3:00	7.20	0.00	0.00	54.59	4.98
2/11/2022 4:00	7.02	0.00	0.00	48.60	5.54

2/11/2022 5:00	6.91	0.00	0.49	48.94	6.02
2/11/2022 6:00	7.04	0.00	0.00	53.33	6.02
2/11/2022 7:00	7.43	0.00	0.00	57.79	5.84
2/11/2022 8:00	6.82	0.00	0.00	53.29	6.19
2/11/2022 9:00	6.89	0.00	0.00	55.89	5.23
2/11/2022 10:00	7.23	0.00	0.00	61.29	5.91
2/11/2022 11:00	7.18	0.00	0.00	57.33	5.52
2/11/2022 12:00	6.65	0.00	0.00	47.32	10.88
2/11/2022 13:00	6.03	0.00	0.00	43.78	7.16
2/11/2022 14:00	6.48	0.00	0.01	63.54	14.28
2/11/2022 15:00	6.01	0.00	0.00	59.70	24.70
2/11/2022 16:00	5.49	0.00	0.00	54.14	27.64
2/11/2022 17:00	5.80	0.00	0.00	56.54	9.65
2/11/2022 18:00	5.92	0.00	0.00	56.94	8.92
2/11/2022 19:00	5.83	0.00	0.00	55.25	10.27
2/11/2022 20:00	5.83	0.00	0.00	59.47	11.52
2/11/2022 21:00	7.75	0.00	0.00	64.06	4.70
2/11/2022 22:00	7.43	0.00	0.00	61.30	4.85
2/11/2022 23:00	7.21	0.00	0.00	59.98	4.99
3/11/2022 0:00	6.95	0.00	0.00	52.22	5.55
3/11/2022 1:00	7.41	0.00	0.00	54.13	5.26
3/11/2022 2:00	7.38	0.00	0.00	56.49	5.33
3/11/2022 3:00	7.41	0.00	0.00	57.21	5.05
3/11/2022 4:00	7.32	0.00	0.00	54.06	5.07
3/11/2022 5:00	7.32	0.00	0.00	57.35	4.79
3/11/2022 6:00	7.29	0.00	0.00	55.48	5.65
3/11/2022 7:00	7.46	0.00	0.00	56.92	6.87
3/11/2022 8:00	7.43	0.00	0.00	63.24	5.05
3/11/2022 9:00	7.42	0.00	0.00	63.73	5.13
3/11/2022 10:00	7.47	0.00	0.00	60.80	4.69
3/11/2022 11:00	7.02	0.00	0.00	51.97	4.77
3/11/2022 12:00	6.82	0.00	0.02	51.82	5.43
3/11/2022 13:00	6.40	0.00	0.00	63.09	39.79

3/11/2022 14:00	6.15	0.00	0.00	65.58	18.05
3/11/2022 15:00	6.34	0.00	0.00	66.58	12.13
3/11/2022 16:00	6.17	0.00	0.00	64.16	12.73
3/11/2022 17:00	6.34	0.00	0.00	66.35	7.44
3/11/2022 18:00	6.28	0.00	0.00	64.44	6.67
3/11/2022 19:00	6.41	0.00	0.00	65.25	5.91
3/11/2022 20:00	6.54	0.00	0.00	62.69	6.70
3/11/2022 21:00	8.37	0.00	0.00	68.80	4.34
3/11/2022 22:00	7.73	0.00	0.00	63.46	4.18
3/11/2022 23:00	7.50	0.00	0.00	61.34	4.56
4/11/2022 0:00	7.46	0.00	0.00	54.94	4.76
4/11/2022 1:00	7.51	0.00	0.00	61.16	4.44
4/11/2022 2:00	7.44	0.00	0.00	63.23	5.44
4/11/2022 3:00	7.58	0.00	0.00	66.99	4.73
4/11/2022 4:00	7.79	0.00	0.00	73.60	4.65
4/11/2022 5:00	7.70	0.00	0.00	64.36	4.61
4/11/2022 6:00	7.74	0.00	0.00	55.84	4.73
4/11/2022 7:00	7.39	0.00	0.00	58.23	5.50
4/11/2022 8:00	7.47	0.00	0.00	59.59	5.55
4/11/2022 9:00	7.30	0.00	0.00	49.90	4.43
4/11/2022 10:00	7.37	0.00	0.00	52.10	4.54
4/11/2022 11:00	7.05	0.00	0.00	49.28	4.36
4/11/2022 12:00	7.69	0.00	0.00	60.65	5.00
4/11/2022 13:00	6.14	0.00	0.00	58.71	21.66
4/11/2022 14:00	6.72	0.00	0.00	63.35	16.96
4/11/2022 15:00	6.67	0.00	0.00	64.49	14.56
4/11/2022 16:00	6.85	0.00	0.00	62.39	11.12
4/11/2022 17:00	6.31	0.00	0.15	58.23	9.46
4/11/2022 18:00	6.78	0.00	0.00	64.17	10.21
4/11/2022 19:00	6.69	0.00	0.00	67.51	15.26
4/11/2022 20:00	6.52	0.00	0.00	59.96	7.33
4/11/2022 21:00	8.37	0.00	0.00	74.02	5.30
4/11/2022 22:00	7.51	0.00	0.00	55.12	5.28

4/11/2022 23:00	7.61	0.00	0.00	55.23	6.04
5/11/2022 0:00	7.71	0.00	0.00	54.78	6.19
5/11/2022 1:00	7.56	0.00	0.00	52.57	5.10
5/11/2022 2:00	7.81	0.00	0.00	60.1	4.54
5/11/2022 3:00	7.92	0.00	0.00	55.95	4.76
5/11/2022 4:00	7.46	0.00	0.00	49.86	4.53
5/11/2022 5:00	7.37	0.00	0.00	48.82	4.90
5/11/2022 6:00	7.9	0.00	0.00	55.59	5.12
5/11/2022 7:00	8.03	0.00	0.00	57.66	5.10
5/11/2022 8:00	7.49	0.00	0.00	51.13	4.94
5/11/2022 9:00	7.69	0.00	0.00	52.47	4.59
5/11/2022 10:00	8.03	0.00	0.00	60.44	4.77
5/11/2022 11:00	7.87	0.00	0.00	56.01	4.69
5/11/2022 12:00	7.91	0.00	0.00	58.99	5.28
5/11/2022 13:00	6.66	0.00	0.00	53.64	28.13
5/11/2022 14:00	7.19	0.00	0.00	60.96	30.26
5/11/2022 15:00	7.01	0.00	0.00	59.23	11.23
5/11/2022 16:00	7.03	0.00	0.00	59.26	8.34
5/11/2022 17:00	6.97	0.00	0.00	60.21	11.47
5/11/2022 18:00	7.19	0.00	0.00	64.04	11.20
5/11/2022 19:00	7.12	0.00	0.00	62.46	11.18
5/11/2022 20:00	6.97	0.00	0.00	61.4	10.33
5/11/2022 21:00	8.74	0.00	0.00	76.44	6.05
5/11/2022 22:00	8.35	0.00	0.00	63.98	4.55
5/11/2022 23:00	8.38	0.00	0.00	63.98	5.02
6/11/2022 0:00	8.04	0.00	0.00	62.68	5.10
6/11/2022 1:00	8.25	0.00	0.00	61.35	5.00
6/11/2022 2:00	8.38	0.00	0.00	61.72	4.44
6/11/2022 3:00	8.58	0.00	0.00	66.52	4.39
6/11/2022 4:00	8.4	0.00	0.00	76.89	4.17
6/11/2022 5:00	8.8	0.00	0.00	78.49	4.34
6/11/2022 6:00	8.31	0.00	0.00	60.95	4.67
6/11/2022 7:00	8.11	0.00	0.00	55.93	5.01

6/11/2022 8:00	8.17	0.00	0.00	49.43	4.89
6/11/2022 9:00	8.24	0.00	0.00	50.21	4.72
6/11/2022 10:00	8.19	0.00	0.00	50.94	4.53
6/11/2022 11:00	8.18	0.00	0.00	56.28	4.35
6/11/2022 12:00	8.3	0.00	0.00	59.58	4.45
6/11/2022 13:00	7.97	0.00	0.00	67.09	11.16
6/11/2022 14:00	7.16	0.00	0.00	61.03	13.69
6/11/2022 15:00	7.34	0.00	0.00	60.56	10.62
6/11/2022 16:00	7.55	0.00	0.00	63.68	10.33
6/11/2022 17:00	7.76	0.00	0.00	64.91	10.65
6/11/2022 18:00	7.53	0.00	0.00	63.91	9.36
6/11/2022 19:00	7.47	0.00	0.00	59.19	6.53
6/11/2022 20:00	7.58	0.00	0.00	61.88	6.79
6/11/2022 21:00	8.99	0.00	0.00	56.57	4.50
6/11/2022 22:00	8.69	0.00	0.00	54.82	4.69
6/11/2022 23:00	8.9	0.00	0.00	61.11	4.98
7/11/2022 0:00	8.74	0.00	0.00	58.76	5.17
7/11/2022 1:00	8.67	0.00	0.00	52.76	5.52
7/11/2022 2:00	8.51	0.00	0.00	49.67	4.59
7/11/2022 3:00	8.74	0.00	0.00	54.17	6.35
7/11/2022 4:00	8.27	0.00	0.00	43.60	5.88
7/11/2022 5:00	7.66	0.00	0.00	49.27	12.64
7/11/2022 6:00	7.42	0.00	0.00	48.57	13.65
7/11/2022 7:00	7.89	0.00	0.00	50.42	12.03
7/11/2022 8:00	8.03	0.00	0.00	58.78	8.20
7/11/2022 9:00	7.94	0.00	0.00	57.68	11.26
7/11/2022 10:00	7.64	0.00	0.00	56.21	9.32
7/11/2022 11:00	7.79	0.00	0.00	57.4	7.64
7/11/2022 12:00	7.94	0.00	0.00	57.58	8.22
7/11/2022 13:00	8.08	0.00	0.00	58.69	9.55
7/11/2022 14:00	7.89	0.00	0.00	58.91	8.77
7/11/2022 15:00	7.89	0.00	0.00	63.33	9.90
7/11/2022 16:00	7.72	0.00	0.00	59.2	8.57

7/11/2022 17:00	7.91	0.00	0.00	60.49	10.20
7/11/2022 18:00	8.18	0.00	0.00	62.64	9.04
7/11/2022 19:00	8.36	0.00	0.00	59.96	9.68
7/11/2022 20:00	8.22	0.00	0.00	55.8	9.78
7/11/2022 21:00	8.73	0.00	0.00	54.92	8.04
7/11/2022 22:00	8.83	0.00	0.00	59.47	7.55
7/11/2022 23:00	8.98	0.00	0.00	67.3	7.09
8/11/2022 0:00	8.87	0.00	0.00	60.46	6.28
8/11/2022 1:00	8.97	0.00	0.00	53.09	6.34
8/11/2022 2:00	9.05	0.00	0.00	55.85	5.65
8/11/2022 3:00	9.27	0.00	0.00	56.75	4.88
8/11/2022 4:00	8.83	0.00	0.00	45.36	16.31
8/11/2022 5:00	9.84	0.00	0.00	55.18	17.54
8/11/2022 6:00	9.24	0.00	0.00	54.31	7.60
8/11/2022 7:00	9.66	0.00	0.00	54.62	6.11
8/11/2022 8:00	9.58	0.00	0.00	56.87	14.81
8/11/2022 9:00	9.37	0.00	0.00	55.76	5.56
8/11/2022 10:00	9.21	0.00	0.00	54.47	10.74
8/11/2022 11:00	9.2	0.00	0.00	54.7	36.61
8/11/2022 12:00	9.02	0.00	0.00	51.41	5.56
8/11/2022 13:00	8.59	0.00	0.00	45.66	8.14
8/11/2022 14:00	8.78	0.00	0.00	47.55	6.73
8/11/2022 15:00	8.88	0.00	0.00	47.86	6.41
8/11/2022 16:00	9.31	0.00	0.00	51.6	7.11
8/11/2022 17:00	9.11	0.00	0.00	47.89	5.81
8/11/2022 18:00	9.12	0.00	0.00	47.92	5.70
8/11/2022 19:00	9.38	0.00	0.00	51.24	5.08
8/11/2022 20:00	9.30	0.00	0.00	50.90	4.89
8/11/2022 21:00	9.30	0.00	0.00	52.14	5.84
8/11/2022 22:00	9.67	0.00	0.00	56.14	6.13
8/11/2022 23:00	9.46	0.00	0.00	53.96	6.07
9/11/2022 0:00	9.71	0.00	0.00	52.89	5.91
9/11/2022 1:00	9.23	0.00	0.00	48.54	5.77

9/11/2022 2:00	9.49	0.00	0.00	51.31	4.90
9/11/2022 3:00	9.37	0.00	0.00	48.94	5.49
9/11/2022 4:00	9.23	0.00	0.00	45.97	5.13
9/11/2022 5:00	9.43	0.00	0.00	46.87	4.96
9/11/2022 6:00	9.61	0.00	0.00	51.38	5.26
9/11/2022 7:00	9.22	0.00	0.00	51.72	6.02
9/11/2022 8:00	8.87	0.00	0.00	47.73	5.24
9/11/2022 9:00	8.74	0.00	0.00	55.87	9.78
9/11/2022 10:00	8.8	0.00	0.00	55.92	8.50
9/11/2022 11:00	8.66	0.00	0.00	53.89	8.86
9/11/2022 12:00	8.92	0.00	0.00	53.8	9.99
9/11/2022 13:00	8.5	0.00	0.00	49.02	17.29
9/11/2022 14:00	8.65	0.00	0.00	54.56	17.46
9/11/2022 15:00	8.53	0.00	0.00	54.7	13.68
9/11/2022 16:00	8.95	0.00	0.00	57.83	9.83
9/11/2022 17:00	8.75	0.00	0.00	53.08	8.16
9/11/2022 18:00	8.75	0.00	0.00	51.3	10.27
9/11/2022 19:00	9.07	0.00	0.00	57.28	8.55
9/11/2022 20:00	8.83	0.00	0.00	52.99	13.62
9/11/2022 21:00	9.74	0.00	0.00	49.48	6.46
9/11/2022 22:00	9.36	0.00	0.00	51.06	6.32
9/11/2022 23:00	9.54	0.00	0.00	52.3	6.38
10/11/2022 0:00	9.28	0.00	0.00	51.74	6.22
10/11/2022 1:00	9.48	0.00	0.00	45.55	6.75
10/11/2022 2:00	9.09	0.00	0.00	48.86	7.06
10/11/2022 3:00	8.94	0.00	0.00	42.97	5.88
10/11/2022 4:00	8.91	0.00	0.00	44.16	5.63
10/11/2022 5:00	9.81	0.00	0.00	48.3	5.69
10/11/2022 6:00	9.36	0.00	0.00	42.09	6.26
10/11/2022 7:00	9.24	0.00	0.00	44.8	6.92
10/11/2022 8:00	9.35	0.00	0.00	48.16	6.29
10/11/2022 9:00	9.04	0.00	0.00	51.59	5.89
10/11/2022 10:00	8.7	0.00	0.00	48.48	5.63

10/11/2022 11:00	8.76	0.00	0.00	51.16	5.99
10/11/2022 12:00	9.19	0.00	0.00	50.96	10.42
10/11/2022 13:00	9.19	0.00	0.00	49.5	10.58
10/11/2022 14:00	9.21	0.00	0.00	52.04	11.97
10/11/2022 15:00	9.25	0.00	0.00	53.1	14.51
10/11/2022 16:00	9.3	0.00	0.00	54.02	14.95
10/11/2022 17:00	9.38	0.00	0.00	51.47	13.32
10/11/2022 18:00	9.5	0.00	0.00	52.99	11.73
10/11/2022 19:00	9.59	0.00	0.00	52.25	10.39
10/11/2022 20:00	9.63	0.00	0.00	53.06	10.08
10/11/2022 21:00	9.85	0.00	0.00	48.09	11.73
10/11/2022 22:00	10.18	0.00	0.00	54.52	6.68
10/11/2022 23:00	9.9	0.00	0.00	53.69	9.07
11/11/2022 0:00	10.1	0.00	0.00	49.17	8.57
11/11/2022 1:00	9.95	0.00	0.00	44.06	7.49
11/11/2022 2:00	9.95	0.00	0.00	49.47	6.77
11/11/2022 3:00	9.79	0.00	0.00	43.87	5.86
11/11/2022 4:00	9.72	0.00	0.00	43.76	5.89
11/11/2022 5:00	9.98	0.00	0.00	43.11	6.04
11/11/2022 6:00	9.85	0.00	0.00	45.29	17.54
11/11/2022 7:00	9.96	0.00	0.00	40.75	6.53
11/11/2022 8:00	9.77	0.00	0.00	40.75	6.89
11/11/2022 9:00	10.11	0.00	0.00	51.06	20.98
11/11/2022 10:00	9.68	0.00	0.00	47.04	11.93
11/11/2022 11:00	9.85	0.00	0.00	44.42	6.08
11/11/2022 12:00	10.1	0.00	0.00	48.81	6.94
11/11/2022 13:00	9.46	0.00	0.00	46.35	15.66
11/11/2022 14:00	9.78	0.00	0.00	50.87	9.21
11/11/2022 15:00	8.49	0.00	0.00	53.25	8.63
11/11/2022 16:00	8.48	0.00	0.00	53.21	8.34
11/11/2022 17:00	8.48	0.00	0.00	53.2	10.01
11/11/2022 18:00	8.48	0.00	0.00	53.2	14.77
11/11/2022 19:00	8.48	0.00	0.00	53.2	11.04

11/11/2022 20:00	8.48	0.00	0.00	53.2	10.20
11/11/2022 21:00	8.48	0.00	0.00	53.2	6.44
11/11/2022 22:00	8.48	0.00	0.00	53.2	5.80
11/11/2022 23:00	8.48	0.00	0.00	53.2	5.74
12/11/2022 0:00	8.48	0.00	0.00	53.2	6.55
12/11/2022 1:00	8.48	0.00	0.00	53.2	7.05
12/11/2022 2:00	8.48	0.00	0.00	53.2	6.97
12/11/2022 3:00	8.48	0.00	0.00	53.21	7.51
12/11/2022 4:00	8.48	0.00	0.00	53.2	7.72
12/11/2022 5:00	8.48	0.00	0.00	53.21	5.70
12/11/2022 6:00	8.48	0.00	0.00	53.2	5.67
12/11/2022 7:00	8.48	0.00	0.00	53.2	5.70
12/11/2022 8:00	8.48	0.00	0.00	53.2	9.92
12/11/2022 9:00	8.48	0.00	0.00	53.2	10.62
12/11/2022 10:00	8.48	0.00	0.00	53.2	9.22
12/11/2022 11:00	8.49	0.00	0.00	53.19	8.26
12/11/2022 12:00	8.49	0.00	0.00	53.19	7.16
12/11/2022 13:00	8.79	0.00	0.00	53.65	11.72
12/11/2022 14:00	8.72	0.00	0.00	51.53	8.45
12/11/2022 15:00	8.73	0.00	0.00	50.57	10.18
12/11/2022 16:00	8.6	0.00	0.00	49.52	12.71
12/11/2022 17:00	8.86	0.00	0.00	52.19	11.25
12/11/2022 18:00	9.24	0.00	0.00	54.59	11.90
12/11/2022 19:00	9.1	0.00	0.00	54.12	9.91
12/11/2022 20:00	8.97	0.00	0.00	51.39	9.88
12/11/2022 21:00	9.56	0.00	0.00	51.5	7.98
12/11/2022 22:00	9.15	0.00	0.00	47.89	6.69
12/11/2022 23:00	9.46	0.00	0.00	48.64	6.41
13/11/2022 0:00	9.82	0.00	0.00	55.5	6.15
13/11/2022 1:00	9.68	0.00	0.00	44.38	6.05
13/11/2022 2:00	9.94	0.00	0.00	44.13	8.65
13/11/2022 3:00	10.42	0.00	0.00	47.55	5.43
13/11/2022 4:00	10.57	0.00	0.00	49.8	4.38

13/11/2022 5:00	10.19	0.00	0.00	45.69	4.42
13/11/2022 6:00	10.15	0.00	0.00	47.76	4.95
13/11/2022 7:00	10.44	0.00	0.00	52.13	5.29
13/11/2022 8:00	10.48	0.00	0.05	54.31	6.41
13/11/2022 9:00	9.34	0.00	0.00	35.53	5.56
13/11/2022 10:00	9.48	0.00	0.06	43.3	6.61
13/11/2022 11:00	9.5	0.00	0.00	48.52	16.19
13/11/2022 12:00	9.38	0.00	0.01	46.17	6.53
13/11/2022 13:00	9.01	0.00	0.00	49.09	7.72
13/11/2022 14:00	9.61	0.00	0.00	55.64	9.77
13/11/2022 15:00	9.75	0.00	0.00	52.33	10.35
13/11/2022 16:00	9.55	0.00	0.00	48.73	12.36
13/11/2022 17:00	9.5	0.00	0.00	52.08	11.12
13/11/2022 18:00	9.74	0.00	0.00	55.52	11.18
13/11/2022 19:00	9.79	0.00	0.00	54.54	15.14
13/11/2022 20:00	9.69	0.00	0.00	52.25	15.08
13/11/2022 21:00	10	0.00	0.00	47.25	8.26
13/11/2022 22:00	10.31	0.00	0.00	52.69	7.34
13/11/2022 23:00	10.37	0.00	0.00	48.52	6.95
14/11/2022 0:00	10.55	0.00	0.00	50.11	6.76
14/11/2022 1:00	10.78	0.00	0.00	48.3	7.89
14/11/2022 2:00	10.53	0.00	0.00	53.51	7.05
14/11/2022 3:00	10.62	0.00	0.00	51.19	6.50
14/11/2022 4:00	10.44	0.00	0.04	51.24	5.03
14/11/2022 5:00	10.71	0.00	0.00	46.69	7.55
14/11/2022 6:00	10.35	0.00	0.06	44.09	5.22
14/11/2022 7:00	10.95	0.00	0.00	48.08	6.12
14/11/2022 8:00	10.42	0.00	0.00	38.41	5.42
14/11/2022 9:00	10.27	0.00	0.00	41.83	7.17
14/11/2022 10:00	10.4	0.00	0.00	44.93	7.45
14/11/2022 11:00	10.32	0.00	0.00	45.14	8.98
14/11/2022 12:00	10.38	0.00	0.00	46.48	11.34
14/11/2022 13:00	10.06	0.00	0.00	49.33	18.11

14/11/2022 14:00	10.21	0.00	0.00	53.36	14.53
14/11/2022 15:00	10.05	0.00	0.00	49.68	9.57
14/11/2022 16:00	10.21	0.00	0.00	53.61	17.34
14/11/2022 17:00	10.3	0.00	0.00	52.12	14.83
14/11/2022 18:00	10.29	0.00	0.00	50.11	11.94
14/11/2022 19:00	10.47	0.00	0.00	55.54	16.41
14/11/2022 20:00	10.37	0.00	0.00	51.46	8.89
14/11/2022 21:00	11.09	0.00	0.00	62.63	6.76
14/11/2022 22:00	11.26	0.00	0.00	48.73	4.45
14/11/2022 23:00	11.23	0.00	0.00	48.3	4.58
15/11/2022 0:00	11.31	0.00	0.00	45.62	5.36
15/11/2022 1:00	11.17	0.00	0.00	43.81	7.18
15/11/2022 2:00	11.42	0.00	0.00	46.64	7.03
15/11/2022 3:00	11.25	0.00	0.00	46.77	6.13
15/11/2022 4:00	11.51	0.00	0.00	45.93	5.40
15/11/2022 5:00	11.48	0.00	0.00	44.97	5.53
15/11/2022 6:00	11.34	0.00	0.00	47.35	6.41
15/11/2022 7:00	11.42	0.00	0.00	44.35	5.45
15/11/2022 8:00	11.46	0.00	0.00	46.82	5.88
15/11/2022 9:00	11.06	0.00	0.00	43.73	5.43
15/11/2022 10:00	11.12	0.00	0.00	41.55	5.25
15/11/2022 11:00	11.16	0.00	0.00	41	5.99
15/11/2022 12:00	11.27	0.00	0.00	45.47	5.52
15/11/2022 13:00	11.15	0.00	0.00	41.43	4.62
15/11/2022 14:00	10.94	0.00	0.00	40.34	6.85
15/11/2022 15:00	11.29	0.00	0.00	46.3	10.15
15/11/2022 16:00	11.31	0.00	0.00	45.40	13.09
15/11/2022 17:00	11.15	0.00	0.00	40.48	6.52
15/11/2022 18:00	11.29	0.00	0.00	43.79	6.92
15/11/2022 19:00	11.20	0.00	0.00	41.55	7.88
15/11/2022 20:00	11.36	0.00	0.00	43.84	4.64
15/11/2022 21:00	11.18	0.00	0.00	40.44	4.68
15/11/2022 22:00	11.39	0.00	0.00	45.39	5.69

15/11/2022 23:00	10.99	0.00	0.00	39.84	5.42
16/11/2022 0:00	11.26	0.00	0.00	40.84	4.83
16/11/2022 1:00	11.40	0.00	0.00	37.46	5.47
16/11/2022 2:00	11.48	0.00	0.00	41.25	6.49
16/11/2022 3:00	11.42	0.00	0.00	38.56	6.40
16/11/2022 4:00	11.35	0.00	0.00	43.40	7.24
16/11/2022 5:00	11.41	0.00	0.00	38.21	5.48
16/11/2022 6:00	11.09	0.00	0.00	39.39	5.10
16/11/2022 7:00	11.60	0.00	0.00	42.06	6.53
16/11/2022 8:00	11.18	0.00	0.00	39.92	4.85
16/11/2022 9:00	11.19	0.00	0.00	37.87	6.43
16/11/2022 10:00	11.27	0.00	0.00	41.01	11.39
16/11/2022 11:00	11.47	0.00	0.00	39.90	5.91
16/11/2022 12:00	11.28	0.00	0.00	39.85	6.47
16/11/2022 13:00	10.74	0.00	0.00	43.47	44.40
16/11/2022 14:00	10.98	0.00	0.00	49.96	19.57
16/11/2022 15:00	10.79	0.00	0.10	47.17	11.70
16/11/2022 16:00	10.87	0.00	0.04	48.94	40.52
16/11/2022 17:00	10.71	0.00	0.00	46.32	23.08
16/11/2022 18:00	10.66	0.00	0.00	36.59	13.23
16/11/2022 19:00	11.05	0.00	0.07	48.13	16.69
16/11/2022 20:00	11.03	0.00	0.06	46.04	13.63
16/11/2022 21:00	11.53	0.00	0.00	48.18	12.90
16/11/2022 22:00	11.57	0.00	0.00	38.82	5.56
16/11/2022 23:00	11.70	0.00	0.00	42.77	5.26
17/11/2022 0:00	11.82	0.00	0.00	43.45	7.54
17/11/2022 1:00	11.66	0.00	0.00	40.47	7.82
17/11/2022 2:00	11.60	0.00	0.00	38.98	6.81
17/11/2022 3:00	11.80	0.00	0.00	41.94	6.82
17/11/2022 4:00	11.79	0.00	0.00	38.41	5.44
17/11/2022 5:00	11.88	0.00	0.00	41.06	6.29
17/11/2022 6:00	11.67	0.00	0.00	41.08	5.20
17/11/2022 7:00	11.78	0.00	0.00	42.23	5.95

17/11/2022 8:00	11.75	0.00	0.00	39.95	5.85
17/11/2022 9:00	11.50	0.00	0.00	40.50	6.41
17/11/2022 10:00	10.99	0.00	0.00	38.07	15.72
17/11/2022 11:00	11.24	0.00	0.00	45.74	8.88
17/11/2022 12:00	11.06	0.00	0.00	44.49	6.68
17/11/2022 13:00	10.59	0.00	0.00	43.65	29.67
17/11/2022 14:00	10.31	0.00	0.00	38.58	11.48
17/11/2022 15:00	10.64	0.00	0.00	42.57	15.95
17/11/2022 16:00	10.79	0.00	0.00	45.91	14.08
17/11/2022 17:00	10.77	0.00	0.00	42.30	41.85
17/11/2022 18:00	10.96	0.00	0.00	46.05	13.21
17/11/2022 19:00	11.12	0.00	0.00	47.40	13.38
17/11/2022 20:00	11.10	0.00	0.00	46.88	8.47
17/11/2022 21:00	11.24	0.00	0.00	44.07	5.46
17/11/2022 22:00	10.98	0.00	0.00	37.70	5.43
17/11/2022 23:00	11.38	0.00	0.00	40.51	5.11
18/11/2022 0:00	11.30	0.00	0.00	40.44	7.47
18/11/2022 1:00	11.24	0.00	0.00	39.12	7.85
18/11/2022 2:00	11.33	0.00	0.00	38.56	6.96
18/11/2022 3:00	11.51	0.00	0.00	43.61	8.42
18/11/2022 4:00	11.48	0.00	0.00	41.63	5.97
18/11/2022 5:00	11.56	0.00	0.00	44.18	5.37
18/11/2022 6:00	11.75	0.00	0.00	41.23	4.67
18/11/2022 7:00	11.19	0.00	0.00	39.22	4.88
18/11/2022 8:00	11.69	0.00	0.00	43.46	4.64
18/11/2022 9:00	11.96	0.00	0.00	47.96	6.23
18/11/2022 10:00	10.81	0.00	0.00	28.05	5.84
18/11/2022 11:00	11.35	0.00	0.00	39.43	9.92
18/11/2022 12:00	11.61	0.00	0.00	43.12	5.82
18/11/2022 13:00	11.14	0.00	0.08	44.84	12.35
18/11/2022 14:00	11.05	0.00	0.09	49.07	15.16
18/11/2022 15:00	11.02	0.00	0.00	48.23	10.88
18/11/2022 16:00	10.95	0.00	0.00	48.02	11.43

18/11/2022 17:00	11.14	0.00	0.00	51.19	11.83
18/11/2022 18:00	11.4	0.00	0.02	55.41	13.48
18/11/2022 19:00	11.3	0.00	0.00	46.16	8.60
18/11/2022 20:00	11.28	0.00	0.00	44.9	6.33
18/11/2022 21:00	12.01	0.00	0.00	56.16	5.39
18/11/2022 22:00	11.95	0.00	0.00	50.63	4.35
18/11/2022 23:00	12.02	0.00	0.00	49.5	4.49
19/11/2022 0:00	11.93	0.00	0.00	47.46	4.57
19/11/2022 1:00	11.55	0.00	0.00	43.81	4.86
19/11/2022 2:00	12	0.00	0.00	48.99	5.07
19/11/2022 3:00	11.94	0.00	0.00	47.54	5.47
19/11/2022 4:00	12.11	0.00	0.00	47.61	5.40
19/11/2022 5:00	11.95	0.00	0.00	45.76	5.37
19/11/2022 6:00	12.41	0.00	0.00	47.34	4.79
19/11/2022 7:00	12.1	0.00	0.00	45.96	4.82
19/11/2022 8:00	11.96	0.00	0.00	46.29	4.81
19/11/2022 9:00	11.97	0.00	0.00	43.52	5.26
19/11/2022 10:00	11.73	0.00	0.00	36.44	5.69
19/11/2022 11:00	11.94	0.00	0.00	41.39	7.29
19/11/2022 12:00	11.93	0.00	0.00	43.29	5.50
19/11/2022 13:00	12.06	0.00	0.00	48.21	5.13
19/11/2022 14:00	11.31	0.00	0.00	38.09	16.11
19/11/2022 15:00	11.51	0.00	0.00	42.26	8.41
19/11/2022 16:00	11.66	0.00	0.00	40.56	5.55
19/11/2022 17:00	12.09	0.00	0.00	49.5	4.91
19/11/2022 18:00	12.15	0.00	0.00	46.23	5.96
19/11/2022 19:00	12.01	0.00	0.00	42.76	4.99
19/11/2022 20:00	12.11	0.00	0.00	44.51	5.39
19/11/2022 21:00	12.29	0.00	0.00	46.98	5.95
19/11/2022 22:00	12.24	0.00	0.00	46.81	5.80
19/11/2022 23:00	12.19	0.00	0.00	44.76	6.28
20/11/2022 0:00	12.41	0.00	0.00	51.81	5.04
20/11/2022 1:00	12.31	0.00	0.00	45.54	6.02

20/11/2022 2:00	12.12	0.00	0.00	41.86	5.75
20/11/2022 3:00	12.15	0.00	0.00	40.08	6.73
20/11/2022 4:00	12.42	0.00	0.00	43.17	5.70
20/11/2022 5:00	12.43	0.00	0.00	43.58	6.18
20/11/2022 6:00	12.34	0.00	0.00	39.26	5.46
20/11/2022 7:00	12.42	0.00	0.00	41.47	5.19
20/11/2022 8:00	12.38	0.00	0.00	41.85	4.96
20/11/2022 9:00	12.09	0.00	0.00	38.95	5.24
20/11/2022 10:00	12.16	0.00	0.00	42.59	6.42
20/11/2022 11:00	12.16	0.00	0.00	40.93	7.33
20/11/2022 12:00	12.19	0.00	0.00	42.5	5.77
20/11/2022 13:00	12.02	0.00	0.00	38.23	7.14
20/11/2022 14:00	11.96	0.00	0.00	42.82	6.94
20/11/2022 15:00	12.26	0.00	0.00	45.78	6.03
20/11/2022 16:00	12.18	0.00	0.00	44.58	10.26
20/11/2022 17:00	12.09	0.00	0.00	39.16	6.50
20/11/2022 18:00	12.27	0.00	0.00	37.7	8.47
20/11/2022 19:00	12.42	0.00	0.00	40.91	6.08
20/11/2022 20:00	12.6	0.00	0.00	42.84	5.42
20/11/2022 21:00	12.66	0.00	0.00	40.97	5.30
20/11/2022 22:00	12.27	0.00	0.00	31.03	5.77
20/11/2022 23:00	12.32	0.00	0.00	31.77	6.15
21/11/2022 0:00	12.69	0.00	0.00	42.97	6.45
21/11/2022 1:00	12.63	0.00	0.00	39.73	5.88
21/11/2022 2:00	12.56	0.00	0.00	40.99	6.52
21/11/2022 3:00	12.52	0.00	0.00	38.25	6.21
21/11/2022 4:00	12.57	0.00	0.00	39.95	6.34
21/11/2022 5:00	12.25	0.00	0.00	34.72	5.05
21/11/2022 6:00	12.38	0.00	0.00	38.34	4.99
21/11/2022 7:00	12.38	0.00	0.00	38.21	5.00
21/11/2022 8:00	12.44	0.00	0.00	38.14	5.27
21/11/2022 9:00	12.49	0.00	0.00	37.21	5.62
21/11/2022 10:00	12.46	0.00	0.00	39.22	6.08

21/11/2022 11:00	12.48	0.00	0.00	39.20	5.48
21/11/2022 12:00	12.38	0.00	0.00	38.72	6.73
21/11/2022 13:00	12.40	0.00	0.00	40.40	4.96
21/11/2022 14:00	12.05	0.00	0.00	40.51	8.14
21/11/2022 15:00	12.48	0.00	0.00	40.70	4.56
21/11/2022 16:00	12.45	0.00	0.00	39.50	5.15
21/11/2022 17:00	12.45	0.00	0.00	39.73	5.49
21/11/2022 18:00	12.48	0.00	0.00	39.31	5.69
21/11/2022 19:00	12.59	0.00	0.00	38.97	5.94
21/11/2022 20:00	12.74	0.00	0.00	40.46	5.01
21/11/2022 21:00	12.53	0.00	0.00	37.21	5.10
21/11/2022 22:00	12.63	0.00	0.00	39.66	4.98
21/11/2022 23:00	12.72	0.00	0.00	39.27	4.93
22/11/2022 0:00	12.60	0.00	0.00	38.44	5.75
22/11/2022 1:00	12.59	0.00	0.00	37.63	6.03
22/11/2022 2:00	12.60	0.00	0.00	38.51	5.70
22/11/2022 3:00	12.59	0.00	0.00	39.66	6.39
22/11/2022 4:00	12.81	0.00	0.00	40.81	4.94
22/11/2022 5:00	12.67	0.00	0.00	39.31	4.73
22/11/2022 6:00	12.81	0.00	0.00	38.94	4.77
22/11/2022 7:00	12.56	0.00	0.00	38.44	4.85
22/11/2022 8:00	12.66	0.00	0.00	35.17	6.07
22/11/2022 9:00	12.27	0.00	0.00	27.49	5.50
22/11/2022 10:00	12.62	0.00	0.00	35.73	6.10
22/11/2022 11:00	12.49	0.00	0.00	33.21	5.49
22/11/2022 12:00	12.46	0.00	0.00	34.70	11.47
22/11/2022 13:00	12.88	0.00	0.00	36.74	10.43
22/11/2022 14:00	12.46	0.00	0.00	37.12	5.11
22/11/2022 15:00	12.34	0.00	0.00	34.85	5.63
22/11/2022 16:00	12.42	0.00	0.00	35.29	4.42
22/11/2022 17:00	12.35	0.00	0.00	33.22	5.37
22/11/2022 18:00	12.35	0.00	0.00	33.78	5.57
22/11/2022 19:00	12.59	0.00	0.00	35.06	4.83

22/11/2022 20:00	12.43	0.00	0.00	30.62	5.09
22/11/2022 21:00	12.40	0.00	0.00	31.15	4.88
22/11/2022 22:00	12.18	0.00	0.00	27.58	4.82
22/11/2022 23:00	12.58	0.00	0.00	32.96	5.12
23/11/2022 0:00	12.54	0.00	0.00	32.04	5.85
23/11/2022 1:00	12.82	0.00	0.00	34.32	6.03
23/11/2022 2:00	12.74	0.00	0.00	31.45	5.62
23/11/2022 3:00	12.83	0.00	0.00	30.11	6.10
23/11/2022 4:00	12.65	0.00	0.00	27.50	4.57
23/11/2022 5:00	12.81	0.00	0.00	27.01	4.69
23/11/2022 6:00	12.67	0.00	0.00	29.09	4.61
23/11/2022 7:00	12.71	0.00	0.00	28.71	4.86
23/11/2022 8:00	12.58	0.00	0.00	27.93	5.81
23/11/2022 9:00	12.66	0.00	0.00	29.51	5.44
23/11/2022 10:00	12.79	0.00	0.00	32.59	5.89
23/11/2022 11:00	12.29	0.00	0.00	25.77	5.77
23/11/2022 12:00	12.70	0.00	0.00	31.44	5.21
23/11/2022 13:00	12.34	0.00	0.00	31.09	9.98
23/11/2022 14:00	12.70	0.00	0.00	35.18	5.40
23/11/2022 15:00	12.31	0.00	0.00	31.32	9.00
23/11/2022 16:00	12.41	0.00	0.00	31.64	7.81
23/11/2022 17:00	12.47	0.00	0.00	31.16	7.17
23/11/2022 18:00	12.17	0.00	0.00	29.29	8.90
23/11/2022 19:00	12.46	0.00	0.00	30.34	9.09
23/11/2022 20:00	12.72	0.00	0.00	31.26	5.15
23/11/2022 21:00	12.48	0.00	0.00	31.48	5.50
23/11/2022 22:00	12.60	0.00	0.00	30.12	5.25
23/11/2022 23:00	12.52	0.00	0.00	29.79	4.96
24/11/2022 0:00	12.59	0.00	0.00	27.77	5.19
24/11/2022 1:00	12.71	0.00	0.00	32.06	5.48
24/11/2022 2:00	12.65	0.00	0.00	29.91	5.72
24/11/2022 3:00	13.00	0.00	0.00	31.21	6.16
24/11/2022 4:00	12.64	0.00	0.00	27.21	4.69

24/11/2022 5:00	12.73	0.00	0.00	30.29	4.44
24/11/2022 6:00	12.88	0.00	0.00	32.02	4.95
24/11/2022 7:00	12.95	0.00	0.00	28.80	4.91
24/11/2022 8:00	12.69	0.00	0.00	29.59	6.21
24/11/2022 9:00	13.04	0.00	0.00	34.22	6.60
24/11/2022 10:00	12.91	0.00	0.00	30.86	16.31
24/11/2022 11:00	13.13	0.00	0.00	32.98	16.31
24/11/2022 12:00	12.61	0.00	0.06	27.25	8.19
24/11/2022 13:00	12.68	0.00	0.00	40.50	11.80
24/11/2022 14:00	12.68	0.00	0.00	33.80	9.50
24/11/2022 15:00	12.69	0.00	0.00	33.48	11.79
24/11/2022 16:00	12.80	0.00	0.00	33.71	10.01
24/11/2022 17:00	13.08	0.00	0.00	35.16	13.85
24/11/2022 18:00	13.03	0.00	0.00	35.47	8.18
24/11/2022 19:00	13.76	0.00	0.00	41.02	8.23
24/11/2022 20:00	13.48	0.00	0.00	38.82	7.52
24/11/2022 21:00	13.40	0.00	0.00	35.91	7.01
24/11/2022 22:00	13.36	0.00	0.00	35.56	7.63
24/11/2022 23:00	13.42	0.00	0.00	34.70	8.37
25/11/2022 0:00	13.48	0.00	0.00	37.32	7.23
25/11/2022 1:00	13.42	0.00	0.00	35.80	8.43
25/11/2022 2:00	13.59	0.00	0.00	36.25	8.06
25/11/2022 3:00	13.55	0.00	0.00	37.32	9.24
25/11/2022 4:00	13.35	0.00	0.00	33.44	7.79
25/11/2022 5:00	13.15	0.00	0.00	31.87	7.75
25/11/2022 6:00	13.23	0.00	0.00	34.36	7.72
25/11/2022 7:00	13.22	0.00	0.00	32.47	7.64
25/11/2022 8:00	13.00	0.00	0.00	28.14	8.43
25/11/2022 9:00	13.17	0.00	0.00	29.55	9.88
25/11/2022 10:00	13.15	0.00	0.00	31.04	12.25
25/11/2022 11:00	13.12	0.00	0.00	30.98	8.92
25/11/2022 12:00	13.17	0.00	0.00	32.42	7.29
25/11/2022 13:00	12.81	0.00	0.00	32.81	9.42

25/11/2022 14:00	12.77	0.00	0.00	30.50	8.39
25/11/2022 15:00	13.14	0.00	0.00	35.49	7.57
25/11/2022 16:00	13.27	0.00	0.00	35.98	8.68
25/11/2022 17:00	13.44	0.00	0.00	37.14	13.12
25/11/2022 18:00	13.18	0.00	0.00	34.28	8.89
25/11/2022 19:00	13.87	0.00	0.00	45.54	8.97
25/11/2022 20:00	13.98	0.00	0.00	46.05	8.43
25/11/2022 21:00	13.82	0.00	0.00	43.86	7.27
25/11/2022 22:00	12.78	0.00	0.00	27.58	9.47
25/11/2022 23:00	13.19	0.00	0.00	39.10	12.72
26/11/2022 0:00	13.04	0.00	0.00	37.58	12.84
26/11/2022 1:00	13.41	0.00	0.00	34.19	7.86
26/11/2022 2:00	13.37	0.00	0.00	34.41	10.24
26/11/2022 3:00	13.49	0.00	0.00	35.67	8.06
26/11/2022 4:00	13.47	0.00	0.00	35.60	7.69
26/11/2022 5:00	13.59	0.00	0.00	31.55	6.83
26/11/2022 6:00	13.35	0.00	0.00	33.40	7.37
26/11/2022 7:00	13.54	0.00	0.00	35.49	6.64
26/11/2022 8:00	13.37	0.00	0.00	33.56	6.38
26/11/2022 9:00	13.30	0.00	0.00	31.66	7.80
26/11/2022 10:00	13.38	0.00	0.00	32.47	7.55
26/11/2022 11:00	13.32	0.00	0.00	32.04	8.68
26/11/2022 12:00	13.59	0.00	0.00	39.34	7.64
26/11/2022 13:00	12.85	0.00	0.00	35.06	33.74
26/11/2022 14:00	12.88	0.00	0.00	35.27	22.08
26/11/2022 15:00	12.98	0.00	0.00	37.17	16.13
26/11/2022 16:00	13.01	0.00	0.00	36.82	29.33
26/11/2022 17:00	13.18	0.00	0.00	38.24	17.81
26/11/2022 18:00	13.15	0.00	0.00	37.63	20.30
26/11/2022 19:00	13.29	0.00	0.00	40.20	20.58
26/11/2022 20:00	13.37	0.00	0.00	41.91	22.73
26/11/2022 21:00	14.69	0.00	0.00	54.29	11.78
26/11/2022 22:00	13.75	0.00	0.00	38.01	8.06

26/11/2022 23:00	13.89	0.00	0.00	39.82	7.94
27/11/2022 0:00	14.00	0.00	0.00	37.51	7.32
27/11/2022 1:00	13.75	0.00	0.00	36.63	7.99
27/11/2022 2:00	13.80	0.00	0.00	38.23	8.24
27/11/2022 3:00	13.77	0.00	0.00	37.46	8.25
27/11/2022 4:00	14.00	0.00	0.00	35.49	9.09
27/11/2022 5:00	13.93	0.00	0.00	35.55	7.37
27/11/2022 6:00	14.18	0.00	0.00	37.01	7.33
27/11/2022 7:00	14.01	0.00	0.00	40.76	6.66
27/11/2022 8:00	13.81	0.00	0.00	38.62	6.83
27/11/2022 9:00	13.7	0.00	0.00	37.97	7.45
27/11/2022 10:00	13.68	0.00	0.00	38.59	7.45
27/11/2022 11:00	13.67	0.00	0.00	37.17	9.32
27/11/2022 12:00	13.77	0.00	0.00	35.1	9.04
27/11/2022 13:00	13.1	0.00	0.00	35.78	20.25
27/11/2022 14:00	13.63	0.00	0.00	44.87	18.38
27/11/2022 15:00	13.62	0.00	0.00	42.23	30.51
27/11/2022 16:00	13.42	0.00	0.00	40.37	17.09
27/11/2022 17:00	13.97	0.00	0.00	48.55	10.61
27/11/2022 18:00	13.31	0.00	0.00	34.65	9.38
27/11/2022 19:00	13.33	0.00	0.00	34.84	9.69
27/11/2022 20:00	13.49	0.00	0.00	39.25	9.99
27/11/2022 21:00	14.53	0.00	0.00	46.19	7.93
27/11/2022 22:00	12.85	0.00	0.00	35.06	33.74
27/11/2022 23:00	12.88	0.00	0.00	35.27	22.08
28/11/2022 0:00	12.98	0.00	0.00	37.17	16.13
28/11/2022 1:00	13.01	0.00	0.00	36.82	29.33
28/11/2022 2:00	13.18	0.00	0.00	38.24	17.81
28/11/2022 3:00	13.15	0.00	0.00	37.63	20.30
28/11/2022 4:00	13.29	0.00	0.00	40.20	20.58
28/11/2022 5:00	13.37	0.00	0.00	41.91	22.73
28/11/2022 6:00	14.69	0.00	0.00	54.29	11.78
28/11/2022 7:00	13.75	0.00	0.00	38.01	8.06

28/11/2022 8:00	13.89	0.00	0.00	39.82	7.94
28/11/2022 9:00	14.00	0.00	0.00	37.51	7.32
28/11/2022 10:00	13.75	0.00	0.00	36.63	7.99
28/11/2022 11:00	12.85	0.00	0.00	35.06	33.74
28/11/2022 12:00	12.88	0.00	0.00	35.27	22.08
28/11/2022 13:00	12.98	0.00	0.00	37.17	16.13
28/11/2022 14:00	13.01	0.00	0.00	36.82	29.33
28/11/2022 15:00	13.18	0.00	0.00	38.24	17.81
28/11/2022 16:00	13.15	0.00	0.00	37.63	20.30
28/11/2022 17:00	13.29	0.00	0.00	40.20	20.58
28/11/2022 18:00	13.37	0.00	0.00	41.91	22.73
28/11/2022 19:00	14.69	0.00	0.00	54.29	11.78
28/11/2022 20:00	13.75	0.00	0.00	38.01	8.06
28/11/2022 21:00	13.89	0.00	0.00	39.82	7.94
28/11/2022 22:00	14.00	0.00	0.00	37.51	7.32
28/11/2022 23:00	13.75	0.00	0.00	36.63	7.99
29/11/2022 0:00	12.85	0.00	0.00	35.06	33.74
29/11/2022 1:00	12.88	0.00	0.00	35.27	22.08
29/11/2022 2:00	12.98	0.00	0.00	37.17	16.13
29/11/2022 3:00	13.01	0.00	0.00	36.82	29.33
29/11/2022 4:00	13.18	0.00	0.00	38.24	17.81
29/11/2022 5:00	13.15	0.00	0.00	37.63	20.30
29/11/2022 6:00	13.29	0.00	0.00	40.20	20.58
29/11/2022 7:00	13.37	0.00	0.00	41.91	22.73
29/11/2022 8:00	14.69	0.00	0.00	54.29	11.78
29/11/2022 9:00	13.75	0.00	0.00	38.01	8.06
29/11/2022 10:00	13.89	0.00	0.00	39.82	7.94
29/11/2022 11:00	14.00	0.00	0.00	37.51	7.32
29/11/2022 12:00	13.75	0.00	0.00	36.63	7.99
29/11/2022 13:00	12.46	0.00	0.00	37.12	5.11
29/11/2022 14:00	12.34	0.00	0.00	34.85	5.63
29/11/2022 15:00	12.42	0.00	0.00	35.29	4.42
29/11/2022 16:00	12.35	0.00	0.00	33.22	5.37

29/11/2022 17:00	12.35	0.00	0.00	33.78	5.57
29/11/2022 18:00	12.59	0.00	0.00	35.06	4.83
29/11/2022 19:00	12.43	0.00	0.00	30.62	5.09
29/11/2022 20:00	12.40	0.00	0.00	31.15	4.88
29/11/2022 21:00	12.18	0.00	0.00	27.58	4.82
29/11/2022 22:00	12.58	0.00	0.00	32.96	5.12
29/11/2022 23:00	12.54	0.00	0.00	32.04	5.85
30/11/2022 0:00	12.34	0.00	0.00	34.85	5.63
Average	10.52	0.00	0.00	46.36	8.79
Max	14.69	0.00	0.49	78.49	44.40
Min	5.49	0.00	0.00	25.77	4.17

^{1/} O₂ Lower detection limit = <0.04%O₂

^{2/} SO₂ Lower detection limit = 0.1 ppm

^{3/} CO Lower detection limit = 0.2 ppm

^{4/} NOx Lower detection limit = 0.04 ppm

^{5/} calculate from opacity , Dust (mg/m³) = 3.878e^{0.073x} , x = opacity (%)

ข้อมูล Cems FG ธันวาคม 2565

Time	O ₂ ^{1/}	Sox @O ₂ 7% ^{2/}	CO @O ₂ 7% ^{3/}	Nox @O ₂ 7% ^{4/}	Dust @O ₂ 7% ^{5/}
Unit	%	ppm	ppm	ppm	mg/Nm3
EIA Limit	-	50	690	90	50
1/12/2022 0:00	7.09	0.00	0.00	63.23	4.51
1/12/2022 1:00	6.95	0.00	0.00	57.69	4.66
1/12/2022 2:00	6.88	0.00	0.00	56.85	4.59
1/12/2022 3:00	6.95	0.00	0.00	60.32	4.80
1/12/2022 4:00	6.14	0.00	0.06	68.38	7.58
1/12/2022 5:00	6.09	0.00	0.09	64.01	5.96
1/12/2022 6:00	6.26	0.00	0.07	70.12	6.66
1/12/2022 7:00	6.19	0.00	0.10	64.87	6.25
1/12/2022 8:00	6.22	0.00	0.01	65.34	7.03
1/12/2022 9:00	6.05	0.00	0.11	63.35	7.57
1/12/2022 10:00	6.16	0.00	0.00	63.35	7.15
1/12/2022 11:00	6.25	0.00	0.00	68.14	5.97
1/12/2022 12:00	6.11	0.00	0.00	63.79	5.58
1/12/2022 13:00	6.26	0.00	0.00	68.29	5.88
1/12/2022 14:00	6.18	0.00	0.00	63.56	5.52
1/12/2022 15:00	6.19	0.00	0.00	61.98	5.31
1/12/2022 16:00	7.07	0.00	0.00	69.15	4.13
1/12/2022 17:00	7.11	0.00	0.00	63.72	4.25
1/12/2022 18:00	7.04	0.00	0.00	57.63	4.51
1/12/2022 19:00	7.34	0.00	0.00	64.47	4.59
1/12/2022 20:00	7.05	0.00	0.00	57.77	4.36
1/12/2022 21:00	7.15	0.00	0.00	59.85	3.98
1/12/2022 22:00	6.81	0.00	0.00	53.53	4.04
1/12/2022 23:00	5.73	0.00	0.00	62.48	4.17
2/12/2022 0:00	6.99	0.00	0.00	55.54	4.40
2/12/2022 1:00	7.22	0.00	0.00	60.08	4.83
2/12/2022 2:00	7.03	0.00	0.00	56.64	4.69
2/12/2022 3:00	4.27	0.00	0.08	54.10	4.39
2/12/2022 4:00	5.81	0.00	0.03	55.96	7.03

2/12/2022 5:00	6.15	0.00	0.04	65.72	6.52
2/12/2022 6:00	6.21	0.00	0.06	63.55	6.91
2/12/2022 7:00	6.24	0.00	0.21	66.43	7.38
2/12/2022 8:00	5.92	0.00	0.11	61.30	6.77
2/12/2022 9:00	6.16	0.00	0.24	70.12	7.51
2/12/2022 10:00	5.95	0.00	0.00	60.47	6.97
2/12/2022 11:00	6.06	0.00	0.25	65.67	5.70
2/12/2022 12:00	6.21	0.00	0.20	68.91	5.62
2/12/2022 13:00	6.14	0.00	0.00	65.22	5.67
2/12/2022 14:00	6.22	0.00	0.00	67.98	5.99
2/12/2022 15:00	6.50	0.00	0.13	69.49	6.30
2/12/2022 16:00	7.04	0.00	0.00	70.70	4.25
2/12/2022 17:00	6.61	0.00	0.00	54.70	4.36
2/12/2022 18:00	6.99	0.00	0.09	63.34	4.37
2/12/2022 19:00	7.22	0.00	0.00	69.90	4.68
2/12/2022 20:00	6.85	0.00	0.00	61.53	5.17
2/12/2022 21:00	7.06	0.00	0.00	63.18	4.07
2/12/2022 22:00	7.04	0.00	0.00	62.64	4.08
2/12/2022 23:00	7.12	0.00	0.00	63.92	4.08
3/12/2022 0:00	6.99	0.00	0.00	57.26	4.34
3/12/2022 1:00	7.83	0.00	0.00	69.41	4.72
3/12/2022 2:00	7.08	0.00	0.00	60.66	4.39
3/12/2022 3:00	6.97	0.00	0.00	64.20	5.06
3/12/2022 4:00	6.25	0.00	0.00	73.52	6.73
3/12/2022 5:00	6.38	0.00	0.00	73.67	6.85
3/12/2022 6:00	6.42	0.00	0.00	76.52	7.04
3/12/2022 7:00	6.21	0.00	0.00	72.30	6.65
3/12/2022 8:00	6.25	0.00	0.00	70.81	7.28
3/12/2022 9:00	6.25	0.00	0.00	67.61	8.40
3/12/2022 10:00	6.32	0.00	0.00	68.87	7.34
3/12/2022 11:00	6.30	0.00	0.00	68.77	11.36
3/12/2022 12:00	6.39	0.00	0.00	71.53	5.99
3/12/2022 13:00	6.35	0.00	0.00	68.14	5.80

3/12/2022 14:00	6.49	0.00	0.00	72.75	5.86
3/12/2022 15:00	6.30	0.00	0.00	71.22	6.03
3/12/2022 16:00	7.05	0.00	0.00	72.99	4.37
3/12/2022 17:00	7.45	0.00	0.00	70.27	4.48
3/12/2022 18:00	7.30	0.00	0.00	67.49	4.81
3/12/2022 19:00	6.92	0.00	0.00	63.33	4.56
3/12/2022 20:00	7.02	0.00	0.00	60.49	4.82
3/12/2022 21:00	6.94	0.00	0.00	56.34	4.24
3/12/2022 22:00	7.09	0.00	0.00	59.08	4.20
3/12/2022 23:00	7.12	0.00	0.00	58.52	4.50
4/12/2022 0:00	7.15	0.00	0.00	56.14	4.18
4/12/2022 1:00	7.13	0.00	0.00	60.03	4.56
4/12/2022 2:00	7.47	0.00	0.00	65.98	4.71
4/12/2022 3:00	7.14	0.00	0.00	60.78	4.81
4/12/2022 4:00	7.08	0.00	0.00	59.14	4.09
4/12/2022 5:00	7.12	0.00	0.00	60.85	4.11
4/12/2022 6:00	7.21	0.00	0.00	63.98	4.21
4/12/2022 7:00	7.14	0.00	0.02	64.02	4.55
4/12/2022 8:00	7.05	0.00	0.14	60.87	4.50
4/12/2022 9:00	7.03	0.00	0.13	60.94	4.36
4/12/2022 10:00	7.07	0.00	0.19	61.59	4.09
4/12/2022 11:00	7.08	0.00	0.16	61.93	4.11
4/12/2022 12:00	7.36	0.00	0.12	65.58	4.09
4/12/2022 13:00	6.97	0.00	0.00	56.83	4.09
4/12/2022 14:00	6.72	0.00	0.00	63.35	16.96
4/12/2022 15:00	6.67	0.00	0.00	64.49	14.56
4/12/2022 16:00	6.85	0.00	0.00	62.39	11.12
4/12/2022 17:00	6.31	0.00	0.15	58.23	9.46
4/12/2022 18:00	6.78	0.00	0.00	64.17	10.21
4/12/2022 19:00	6.69	0.00	0.00	67.51	15.26
4/12/2022 20:00	6.52	0.00	0.00	59.96	7.33
4/12/2022 21:00	8.37	0.00	0.00	74.02	5.30
4/12/2022 22:00	7.51	0.00	0.00	55.12	5.28

4/12/2022 23:00	7.61	0.00	0.00	55.23	6.04
5/12/2022 0:00	7.71	0.00	0.00	54.78	6.19
5/12/2022 1:00	7.56	0.00	0.00	52.57	5.10
5/12/2022 2:00	7.81	0.00	0.00	60.1	4.54
5/12/2022 3:00	7.92	0.00	0.00	55.95	4.76
5/12/2022 4:00	7.46	0.00	0.00	49.86	4.53
5/12/2022 5:00	7.37	0.00	0.00	48.82	4.90
5/12/2022 6:00	7.9	0.00	0.00	55.59	5.12
5/12/2022 7:00	8.03	0.00	0.00	57.66	5.10
5/12/2022 8:00	7.49	0.00	0.00	51.13	4.94
5/12/2022 9:00	7.69	0.00	0.00	52.47	4.59
5/12/2022 10:00	8.03	0.00	0.00	60.44	4.77
5/12/2022 11:00	7.87	0.00	0.00	56.01	4.69
5/12/2022 12:00	7.91	0.00	0.00	58.99	5.28
5/12/2022 13:00	7.09	0.00	0.00	63.23	4.51
5/12/2022 14:00	6.95	0.00	0.00	57.69	4.66
5/12/2022 15:00	6.88	0.00	0.00	56.85	4.59
5/12/2022 16:00	6.95	0.00	0.00	60.32	4.80
5/12/2022 17:00	6.14	0.00	0.06	68.38	7.58
5/12/2022 18:00	6.09	0.00	0.09	64.01	5.96
5/12/2022 19:00	6.26	0.00	0.07	70.12	6.66
5/12/2022 20:00	6.19	0.00	0.10	64.87	6.25
5/12/2022 21:00	6.22	0.00	0.01	65.34	7.03
5/12/2022 22:00	6.05	0.00	0.11	63.35	7.57
5/12/2022 23:00	6.16	0.00	0.00	63.35	7.15
6/12/2022 0:00	6.25	0.00	0.00	68.14	5.97
6/12/2022 1:00	6.11	0.00	0.00	63.79	5.58
6/12/2022 2:00	6.26	0.00	0.00	68.29	5.88
6/12/2022 3:00	6.18	0.00	0.00	63.56	5.52
6/12/2022 4:00	6.19	0.00	0.00	61.98	5.31
6/12/2022 5:00	7.07	0.00	0.00	69.15	4.13
6/12/2022 6:00	7.11	0.00	0.00	63.72	4.25
6/12/2022 7:00	7.04	0.00	0.00	57.63	4.51

6/12/2022 8:00	7.34	0.00	0.00	64.47	4.59
6/12/2022 9:00	7.05	0.00	0.00	57.77	4.36
6/12/2022 10:00	7.15	0.00	0.00	59.85	3.98
6/12/2022 11:00	6.81	0.00	0.00	53.53	4.04
6/12/2022 12:00	5.73	0.00	0.00	62.48	4.17
6/12/2022 13:00	6.99	0.00	0.00	55.54	4.40
6/12/2022 14:00	7.22	0.00	0.00	60.08	4.83
6/12/2022 15:00	7.03	0.00	0.00	56.64	4.69
6/12/2022 16:00	4.27	0.00	0.08	54.10	4.39
6/12/2022 17:00	5.81	0.00	0.03	55.96	7.03
6/12/2022 18:00	6.15	0.00	0.04	65.72	6.52
6/12/2022 19:00	6.21	0.00	0.06	63.55	6.91
6/12/2022 20:00	6.24	0.00	0.21	66.43	7.38
6/12/2022 21:00	5.92	0.00	0.11	61.30	6.77
6/12/2022 22:00	6.16	0.00	0.24	70.12	7.51
6/12/2022 23:00	5.95	0.00	0.00	60.47	6.97
7/12/2022 0:00	6.06	0.00	0.25	65.67	5.70
7/12/2022 1:00	6.21	0.00	0.20	68.91	5.62
7/12/2022 2:00	6.14	0.00	0.00	65.22	5.67
7/12/2022 3:00	6.22	0.00	0.00	67.98	5.99
7/12/2022 4:00	6.50	0.00	0.13	69.49	6.30
7/12/2022 5:00	7.04	0.00	0.00	70.70	4.25
7/12/2022 6:00	6.61	0.00	0.00	54.70	4.36
7/12/2022 7:00	6.99	0.00	0.09	63.34	4.37
7/12/2022 8:00	7.22	0.00	0.00	69.90	4.68
7/12/2022 9:00	6.85	0.00	0.00	61.53	5.17
7/12/2022 10:00	7.06	0.00	0.00	63.18	4.07
7/12/2022 11:00	7.04	0.00	0.00	62.64	4.08
7/12/2022 12:00	7.12	0.00	0.00	63.92	4.08
7/12/2022 13:00	6.99	0.00	0.00	57.26	4.34
7/12/2022 14:00	7.83	0.00	0.00	69.41	4.72
7/12/2022 15:00	7.08	0.00	0.00	60.66	4.39
7/12/2022 16:00	6.97	0.00	0.00	64.20	5.06

7/12/2022 17:00	6.25	0.00	0.00	73.52	6.73
7/12/2022 18:00	6.38	0.00	0.00	73.67	6.85
7/12/2022 19:00	6.42	0.00	0.00	76.52	7.04
7/12/2022 20:00	6.21	0.00	0.00	72.30	6.65
7/12/2022 21:00	6.25	0.00	0.00	70.81	7.28
7/12/2022 22:00	6.25	0.00	0.00	67.61	8.40
7/12/2022 23:00	6.32	0.00	0.00	68.87	7.34
8/12/2022 0:00	6.30	0.00	0.00	68.77	11.36
8/12/2022 1:00	6.39	0.00	0.00	71.53	5.99
8/12/2022 2:00	6.35	0.00	0.00	68.14	5.80
8/12/2022 3:00	6.49	0.00	0.00	72.75	5.86
8/12/2022 4:00	6.30	0.00	0.00	71.22	6.03
8/12/2022 5:00	7.05	0.00	0.00	72.99	4.37
8/12/2022 6:00	7.45	0.00	0.00	70.27	4.48
8/12/2022 7:00	7.30	0.00	0.00	67.49	4.81
8/12/2022 8:00	6.92	0.00	0.00	63.33	4.56
8/12/2022 9:00	7.02	0.00	0.00	60.49	4.82
8/12/2022 10:00	6.94	0.00	0.00	56.34	4.24
8/12/2022 11:00	7.09	0.00	0.00	59.08	4.20
8/12/2022 12:00	7.12	0.00	0.00	58.52	4.50
8/12/2022 13:00	7.15	0.00	0.00	56.14	4.18
8/12/2022 14:00	7.13	0.00	0.00	60.03	4.56
8/12/2022 15:00	7.47	0.00	0.00	65.98	4.71
8/12/2022 16:00	7.14	0.00	0.00	60.78	4.81
8/12/2022 17:00	7.08	0.00	0.00	59.14	4.09
8/12/2022 18:00	7.12	0.00	0.00	60.85	4.11
8/12/2022 19:00	7.21	0.00	0.00	63.98	4.21
8/12/2022 20:00	7.14	0.00	0.02	64.02	4.55
8/12/2022 21:00	7.05	0.00	0.14	60.87	4.50
8/12/2022 22:00	7.03	0.00	0.13	60.94	4.36
8/12/2022 23:00	7.07	0.00	0.19	61.59	4.09
9/12/2022 0:00	7.08	0.00	0.16	61.93	4.11
9/12/2022 1:00	7.36	0.00	0.12	65.58	4.09

9/12/2022 2:00	6.97	0.00	0.00	56.83	4.09
9/12/2022 3:00	9.37	0.00	0.00	48.94	5.49
9/12/2022 4:00	9.23	0.00	0.00	45.97	5.13
9/12/2022 5:00	9.43	0.00	0.00	46.87	4.96
9/12/2022 6:00	9.61	0.00	0.00	51.38	5.26
9/12/2022 7:00	9.22	0.00	0.00	51.72	6.02
9/12/2022 8:00	8.87	0.00	0.00	47.73	5.24
9/12/2022 9:00	8.74	0.00	0.00	55.87	9.78
9/12/2022 10:00	8.8	0.00	0.00	55.92	8.50
9/12/2022 11:00	8.66	0.00	0.00	53.89	8.86
9/12/2022 12:00	8.92	0.00	0.00	53.8	9.99
9/12/2022 13:00	8.5	0.00	0.00	49.02	17.29
9/12/2022 14:00	8.65	0.00	0.00	54.56	17.46
9/12/2022 15:00	8.53	0.00	0.00	54.7	13.68
9/12/2022 16:00	8.95	0.00	0.00	57.83	9.83
9/12/2022 17:00	8.75	0.00	0.00	53.08	8.16
9/12/2022 18:00	8.75	0.00	0.00	51.3	10.27
9/12/2022 19:00	9.07	0.00	0.00	57.28	8.55
9/12/2022 20:00	8.83	0.00	0.00	52.99	13.62
9/12/2022 21:00	9.74	0.00	0.00	49.48	6.46
9/12/2022 22:00	9.36	0.00	0.00	51.06	6.32
9/12/2022 23:00	9.54	0.00	0.00	52.3	6.38
10/12/2022 0:00	9.28	0.00	0.00	51.74	6.22
10/12/2022 1:00	9.48	0.00	0.00	45.55	6.75
10/12/2022 2:00	9.09	0.00	0.00	48.86	7.06
10/12/2022 3:00	8.94	0.00	0.00	42.97	5.88
10/12/2022 4:00	8.91	0.00	0.00	44.16	5.63
10/12/2022 5:00	9.81	0.00	0.00	48.3	5.69
10/12/2022 6:00	9.36	0.00	0.00	42.09	6.26
10/12/2022 7:00	9.24	0.00	0.00	44.8	6.92
10/12/2022 8:00	9.35	0.00	0.00	48.16	6.29
10/12/2022 9:00	9.04	0.00	0.00	51.59	5.89
10/12/2022 10:00	8.7	0.00	0.00	48.48	5.63

10/12/2022 11:00	8.76	0.00	0.00	51.16	5.99
10/12/2022 12:00	9.19	0.00	0.00	50.96	10.42
10/12/2022 13:00	9.19	0.00	0.00	49.5	10.58
10/12/2022 14:00	9.21	0.00	0.00	52.04	11.97
10/12/2022 15:00	9.25	0.00	0.00	53.1	14.51
10/12/2022 16:00	9.3	0.00	0.00	54.02	14.95
10/12/2022 17:00	9.38	0.00	0.00	51.47	13.32
10/12/2022 18:00	9.5	0.00	0.00	52.99	11.73
10/12/2022 19:00	9.59	0.00	0.00	52.25	10.39
10/12/2022 20:00	9.63	0.00	0.00	53.06	10.08
10/12/2022 21:00	9.85	0.00	0.00	48.09	11.73
10/12/2022 22:00	10.18	0.00	0.00	54.52	6.68
10/12/2022 23:00	9.9	0.00	0.00	53.69	9.07
11/12/2022 0:00	10.1	0.00	0.00	49.17	8.57
11/12/2022 1:00	9.95	0.00	0.00	44.06	7.49
11/12/2022 2:00	9.95	0.00	0.00	49.47	6.77
11/12/2022 3:00	9.79	0.00	0.00	43.87	5.86
11/12/2022 4:00	9.72	0.00	0.00	43.76	5.89
11/12/2022 5:00	9.98	0.00	0.00	43.11	6.04
11/12/2022 6:00	9.85	0.00	0.00	45.29	17.54
11/12/2022 7:00	9.96	0.00	0.00	40.75	6.53
11/12/2022 8:00	9.77	0.00	0.00	40.75	6.89
11/12/2022 9:00	10.11	0.00	0.00	51.06	20.98
11/12/2022 10:00	9.68	0.00	0.00	47.04	11.93
11/12/2022 11:00	9.85	0.00	0.00	44.42	6.08
11/12/2022 12:00	10.1	0.00	0.00	48.81	6.94
11/12/2022 13:00	9.46	0.00	0.00	46.35	15.66
11/12/2022 14:00	9.78	0.00	0.00	50.87	9.21
11/12/2022 15:00	8.49	0.00	0.00	53.25	8.63
11/12/2022 16:00	8.48	0.00	0.00	53.21	8.34
11/12/2022 17:00	8.48	0.00	0.00	53.2	10.01
11/12/2022 18:00	8.48	0.00	0.00	53.2	14.77
11/12/2022 19:00	8.48	0.00	0.00	53.2	11.04

11/12/2022 20:00	8.48	0.00	0.00	53.2	10.20
11/12/2022 21:00	8.48	0.00	0.00	53.2	6.44
11/12/2022 22:00	8.48	0.00	0.00	53.2	5.80
11/12/2022 23:00	8.48	0.00	0.00	53.2	5.74
12/12/2022 0:00	8.48	0.00	0.00	53.2	6.55
12/12/2022 1:00	8.48	0.00	0.00	53.2	7.05
12/12/2022 2:00	8.48	0.00	0.00	53.2	6.97
12/12/2022 3:00	8.48	0.00	0.00	53.21	7.51
12/12/2022 4:00	8.48	0.00	0.00	53.2	7.72
12/12/2022 5:00	8.48	0.00	0.00	53.21	5.70
12/12/2022 6:00	7.09	0.00	0.00	63.23	4.51
12/12/2022 7:00	6.95	0.00	0.00	57.69	4.66
12/12/2022 8:00	6.88	0.00	0.00	56.85	4.59
12/12/2022 9:00	6.95	0.00	0.00	60.32	4.80
12/12/2022 10:00	6.14	0.00	0.06	68.38	7.58
12/12/2022 11:00	6.09	0.00	0.09	64.01	5.96
12/12/2022 12:00	6.26	0.00	0.07	70.12	6.66
12/12/2022 13:00	6.19	0.00	0.10	64.87	6.25
12/12/2022 14:00	6.22	0.00	0.01	65.34	7.03
12/12/2022 15:00	6.05	0.00	0.11	63.35	7.57
12/12/2022 16:00	6.16	0.00	0.00	63.35	7.15
12/12/2022 17:00	6.25	0.00	0.00	68.14	5.97
12/12/2022 18:00	6.11	0.00	0.00	63.79	5.58
12/12/2022 19:00	6.26	0.00	0.00	68.29	5.88
12/12/2022 20:00	6.18	0.00	0.00	63.56	5.52
12/12/2022 21:00	6.19	0.00	0.00	61.98	5.31
12/12/2022 22:00	7.07	0.00	0.00	69.15	4.13
12/12/2022 23:00	7.11	0.00	0.00	63.72	4.25
13/12/2022 0:00	7.04	0.00	0.00	57.63	4.51
13/12/2022 1:00	7.34	0.00	0.00	64.47	4.59
13/12/2022 2:00	7.05	0.00	0.00	57.77	4.36
13/12/2022 3:00	7.15	0.00	0.00	59.85	3.98
13/12/2022 4:00	6.81	0.00	0.00	53.53	4.04

13/12/2022 5:00	5.73	0.00	0.00	62.48	4.17
13/12/2022 6:00	6.99	0.00	0.00	55.54	4.40
13/12/2022 7:00	7.22	0.00	0.00	60.08	4.83
13/12/2022 8:00	7.03	0.00	0.00	56.64	4.69
13/12/2022 9:00	4.27	0.00	0.08	54.10	4.39
13/12/2022 10:00	5.81	0.00	0.03	55.96	7.03
13/12/2022 11:00	6.15	0.00	0.04	65.72	6.52
13/12/2022 12:00	6.21	0.00	0.06	63.55	6.91
13/12/2022 13:00	6.24	0.00	0.21	66.43	7.38
13/12/2022 14:00	5.92	0.00	0.11	61.30	6.77
13/12/2022 15:00	6.16	0.00	0.24	70.12	7.51
13/12/2022 16:00	5.95	0.00	0.00	60.47	6.97
13/12/2022 17:00	6.06	0.00	0.25	65.67	5.70
13/12/2022 18:00	6.21	0.00	0.20	68.91	5.62
13/12/2022 19:00	6.14	0.00	0.00	65.22	5.67
13/12/2022 20:00	6.22	0.00	0.00	67.98	5.99
13/12/2022 21:00	6.50	0.00	0.13	69.49	6.30
13/12/2022 22:00	7.04	0.00	0.00	70.70	4.25
13/12/2022 23:00	6.61	0.00	0.00	54.70	4.36
14/12/2022 0:00	6.99	0.00	0.09	63.34	4.37
14/12/2022 1:00	7.22	0.00	0.00	69.90	4.68
14/12/2022 2:00	6.85	0.00	0.00	61.53	5.17
14/12/2022 3:00	7.06	0.00	0.00	63.18	4.07
14/12/2022 4:00	7.04	0.00	0.00	62.64	4.08
14/12/2022 5:00	7.12	0.00	0.00	63.92	4.08
14/12/2022 6:00	6.99	0.00	0.00	57.26	4.34
14/12/2022 7:00	7.83	0.00	0.00	69.41	4.72
14/12/2022 8:00	7.08	0.00	0.00	60.66	4.39
14/12/2022 9:00	6.97	0.00	0.00	64.20	5.06
14/12/2022 10:00	6.25	0.00	0.00	73.52	6.73
14/12/2022 11:00	6.38	0.00	0.00	73.67	6.85
14/12/2022 12:00	6.42	0.00	0.00	76.52	7.04
14/12/2022 13:00	6.21	0.00	0.00	72.30	6.65

14/12/2022 14:00	6.25	0.00	0.00	70.81	7.28
14/12/2022 15:00	6.25	0.00	0.00	67.61	8.40
14/12/2022 16:00	6.32	0.00	0.00	68.87	7.34
14/12/2022 17:00	6.30	0.00	0.00	68.77	11.36
14/12/2022 18:00	6.39	0.00	0.00	71.53	5.99
14/12/2022 19:00	6.35	0.00	0.00	68.14	5.80
14/12/2022 20:00	6.49	0.00	0.00	72.75	5.86
14/12/2022 21:00	6.30	0.00	0.00	71.22	6.03
14/12/2022 22:00	7.05	0.00	0.00	72.99	4.37
14/12/2022 23:00	7.45	0.00	0.00	70.27	4.48
15/12/2022 0:00	7.30	0.00	0.00	67.49	4.81
15/12/2022 1:00	6.92	0.00	0.00	63.33	4.56
15/12/2022 2:00	7.02	0.00	0.00	60.49	4.82
15/12/2022 3:00	6.94	0.00	0.00	56.34	4.24
15/12/2022 4:00	7.09	0.00	0.00	59.08	4.20
15/12/2022 5:00	7.12	0.00	0.00	58.52	4.50
15/12/2022 6:00	7.15	0.00	0.00	56.14	4.18
15/12/2022 7:00	7.13	0.00	0.00	60.03	4.56
15/12/2022 8:00	7.47	0.00	0.00	65.98	4.71
15/12/2022 9:00	7.14	0.00	0.00	60.78	4.81
15/12/2022 10:00	7.08	0.00	0.00	59.14	4.09
15/12/2022 11:00	7.12	0.00	0.00	60.85	4.11
15/12/2022 12:00	7.21	0.00	0.00	63.98	4.21
15/12/2022 13:00	7.14	0.00	0.02	64.02	4.55
15/12/2022 14:00	7.05	0.00	0.14	60.87	4.50
15/12/2022 15:00	7.03	0.00	0.13	60.94	4.36
15/12/2022 16:00	7.07	0.00	0.19	61.59	4.09
15/12/2022 17:00	7.08	0.00	0.16	61.93	4.11
15/12/2022 18:00	7.36	0.00	0.12	65.58	4.09
15/12/2022 19:00	6.97	0.00	0.00	56.83	4.09
15/12/2022 20:00	11.36	0.00	0.00	43.84	4.64
15/12/2022 21:00	11.18	0.00	0.00	40.44	4.68
15/12/2022 22:00	11.39	0.00	0.00	45.39	5.69

15/12/2022 23:00	10.99	0.00	0.00	39.84	5.42
16/12/2022 0:00	11.26	0.00	0.00	40.84	4.83
16/12/2022 1:00	11.40	0.00	0.00	37.46	5.47
16/12/2022 2:00	11.48	0.00	0.00	41.25	6.49
16/12/2022 3:00	11.42	0.00	0.00	38.56	6.40
16/12/2022 4:00	11.35	0.00	0.00	43.40	7.24
16/12/2022 5:00	11.41	0.00	0.00	38.21	5.48
16/12/2022 6:00	11.09	0.00	0.00	39.39	5.10
16/12/2022 7:00	11.60	0.00	0.00	42.06	6.53
16/12/2022 8:00	11.18	0.00	0.00	39.92	4.85
16/12/2022 9:00	11.19	0.00	0.00	37.87	6.43
16/12/2022 10:00	11.27	0.00	0.00	41.01	11.39
16/12/2022 11:00	11.47	0.00	0.00	39.90	5.91
16/12/2022 12:00	11.28	0.00	0.00	39.85	6.47
16/12/2022 13:00	10.74	0.00	0.00	43.47	44.40
16/12/2022 14:00	10.98	0.00	0.00	49.96	19.57
16/12/2022 15:00	10.79	0.00	0.10	47.17	11.70
16/12/2022 16:00	10.87	0.00	0.04	48.94	40.52
16/12/2022 17:00	10.71	0.00	0.00	46.32	23.08
16/12/2022 18:00	10.66	0.00	0.00	36.59	13.23
16/12/2022 19:00	11.05	0.00	0.07	48.13	16.69
16/12/2022 20:00	11.03	0.00	0.06	46.04	13.63
16/12/2022 21:00	11.53	0.00	0.00	48.18	12.90
16/12/2022 22:00	11.57	0.00	0.00	38.82	5.56
16/12/2022 23:00	11.70	0.00	0.00	42.77	5.26
17/12/2022 0:00	11.82	0.00	0.00	43.45	7.54
17/12/2022 1:00	11.66	0.00	0.00	40.47	7.82
17/12/2022 2:00	11.60	0.00	0.00	38.98	6.81
17/12/2022 3:00	11.80	0.00	0.00	41.94	6.82
17/12/2022 4:00	11.79	0.00	0.00	38.41	5.44
17/12/2022 5:00	11.88	0.00	0.00	41.06	6.29
17/12/2022 6:00	11.67	0.00	0.00	41.08	5.20
17/12/2022 7:00	11.78	0.00	0.00	42.23	5.95

17/12/2022 8:00	11.75	0.00	0.00	39.95	5.85
17/12/2022 9:00	11.50	0.00	0.00	40.50	6.41
17/12/2022 10:00	10.99	0.00	0.00	38.07	15.72
17/12/2022 11:00	11.24	0.00	0.00	45.74	8.88
17/12/2022 12:00	11.06	0.00	0.00	44.49	6.68
17/12/2022 13:00	10.59	0.00	0.00	43.65	29.67
17/12/2022 14:00	10.31	0.00	0.00	38.58	11.48
17/12/2022 15:00	10.64	0.00	0.00	42.57	15.95
17/12/2022 16:00	10.79	0.00	0.00	45.91	14.08
17/12/2022 17:00	10.77	0.00	0.00	42.30	41.85
17/12/2022 18:00	10.96	0.00	0.00	46.05	13.21
17/12/2022 19:00	11.12	0.00	0.00	47.40	13.38
17/12/2022 20:00	11.10	0.00	0.00	46.88	8.47
17/12/2022 21:00	7.09	0.00	0.00	63.23	4.51
17/12/2022 22:00	6.95	0.00	0.00	57.69	4.66
17/12/2022 23:00	6.88	0.00	0.00	56.85	4.59
18/12/2022 0:00	6.95	0.00	0.00	60.32	4.80
18/12/2022 1:00	6.14	0.00	0.06	68.38	7.58
18/12/2022 2:00	6.09	0.00	0.09	64.01	5.96
18/12/2022 3:00	6.26	0.00	0.07	70.12	6.66
18/12/2022 4:00	6.19	0.00	0.10	64.87	6.25
18/12/2022 5:00	6.22	0.00	0.01	65.34	7.03
18/12/2022 6:00	6.05	0.00	0.11	63.35	7.57
18/12/2022 7:00	6.16	0.00	0.00	63.35	7.15
18/12/2022 8:00	6.25	0.00	0.00	68.14	5.97
18/12/2022 9:00	6.11	0.00	0.00	63.79	5.58
18/12/2022 10:00	6.26	0.00	0.00	68.29	5.88
18/12/2022 11:00	6.18	0.00	0.00	63.56	5.52
18/12/2022 12:00	6.19	0.00	0.00	61.98	5.31
18/12/2022 13:00	7.07	0.00	0.00	69.15	4.13
18/12/2022 14:00	7.11	0.00	0.00	63.72	4.25
18/12/2022 15:00	7.04	0.00	0.00	57.63	4.51
18/12/2022 16:00	7.34	0.00	0.00	64.47	4.59

18/12/2022 17:00	7.05	0.00	0.00	57.77	4.36
18/12/2022 18:00	7.15	0.00	0.00	59.85	3.98
18/12/2022 19:00	6.81	0.00	0.00	53.53	4.04
18/12/2022 20:00	5.73	0.00	0.00	62.48	4.17
18/12/2022 21:00	6.99	0.00	0.00	55.54	4.40
18/12/2022 22:00	7.22	0.00	0.00	60.08	4.83
18/12/2022 23:00	7.03	0.00	0.00	56.64	4.69
19/12/2022 0:00	4.27	0.00	0.08	54.10	4.39
19/12/2022 1:00	5.81	0.00	0.03	55.96	7.03
19/12/2022 2:00	6.15	0.00	0.04	65.72	6.52
19/12/2022 3:00	6.21	0.00	0.06	63.55	6.91
19/12/2022 4:00	6.24	0.00	0.21	66.43	7.38
19/12/2022 5:00	5.92	0.00	0.11	61.30	6.77
19/12/2022 6:00	6.16	0.00	0.24	70.12	7.51
19/12/2022 7:00	5.95	0.00	0.00	60.47	6.97
19/12/2022 8:00	6.06	0.00	0.25	65.67	5.70
19/12/2022 9:00	6.21	0.00	0.20	68.91	5.62
19/12/2022 10:00	6.14	0.00	0.00	65.22	5.67
19/12/2022 11:00	6.22	0.00	0.00	67.98	5.99
19/12/2022 12:00	6.50	0.00	0.13	69.49	6.30
19/12/2022 13:00	7.04	0.00	0.00	70.70	4.25
19/12/2022 14:00	6.61	0.00	0.00	54.70	4.36
19/12/2022 15:00	6.99	0.00	0.09	63.34	4.37
19/12/2022 16:00	7.22	0.00	0.00	69.90	4.68
19/12/2022 17:00	6.85	0.00	0.00	61.53	5.17
19/12/2022 18:00	7.06	0.00	0.00	63.18	4.07
19/12/2022 19:00	7.04	0.00	0.00	62.64	4.08
19/12/2022 20:00	7.12	0.00	0.00	63.92	4.08
19/12/2022 21:00	6.99	0.00	0.00	57.26	4.34
19/12/2022 22:00	7.83	0.00	0.00	69.41	4.72
19/12/2022 23:00	7.08	0.00	0.00	60.66	4.39
20/12/2022 0:00	6.97	0.00	0.00	64.20	5.06
20/12/2022 1:00	6.25	0.00	0.00	73.52	6.73

20/12/2022 2:00	6.38	0.00	0.00	73.67	6.85
20/12/2022 3:00	6.42	0.00	0.00	76.52	7.04
20/12/2022 4:00	6.21	0.00	0.00	72.30	6.65
20/12/2022 5:00	6.25	0.00	0.00	70.81	7.28
20/12/2022 6:00	6.25	0.00	0.00	67.61	8.40
20/12/2022 7:00	6.32	0.00	0.00	68.87	7.34
20/12/2022 8:00	6.30	0.00	0.00	68.77	11.36
20/12/2022 9:00	6.39	0.00	0.00	71.53	5.99
20/12/2022 10:00	6.35	0.00	0.00	68.14	5.80
20/12/2022 11:00	6.49	0.00	0.00	72.75	5.86
20/12/2022 12:00	6.30	0.00	0.00	71.22	6.03
20/12/2022 13:00	7.05	0.00	0.00	72.99	4.37
20/12/2022 14:00	7.45	0.00	0.00	70.27	4.48
20/12/2022 15:00	7.30	0.00	0.00	67.49	4.81
20/12/2022 16:00	6.92	0.00	0.00	63.33	4.56
20/12/2022 17:00	7.02	0.00	0.00	60.49	4.82
20/12/2022 18:00	6.94	0.00	0.00	56.34	4.24
20/12/2022 19:00	7.09	0.00	0.00	59.08	4.20
20/12/2022 20:00	7.12	0.00	0.00	58.52	4.50
20/12/2022 21:00	7.15	0.00	0.00	56.14	4.18
20/12/2022 22:00	7.13	0.00	0.00	60.03	4.56
20/12/2022 23:00	7.47	0.00	0.00	65.98	4.71
21/12/2022 0:00	7.14	0.00	0.00	60.78	4.81
21/12/2022 1:00	7.08	0.00	0.00	59.14	4.09
21/12/2022 2:00	7.12	0.00	0.00	60.85	4.11
21/12/2022 3:00	7.21	0.00	0.00	63.98	4.21
21/12/2022 4:00	7.14	0.00	0.02	64.02	4.55
21/12/2022 5:00	7.05	0.00	0.14	60.87	4.50
21/12/2022 6:00	7.03	0.00	0.13	60.94	4.36
21/12/2022 7:00	7.07	0.00	0.19	61.59	4.09
21/12/2022 8:00	7.08	0.00	0.16	61.93	4.11
21/12/2022 9:00	7.36	0.00	0.12	65.58	4.09
21/12/2022 10:00	6.97	0.00	0.00	56.83	4.09

21/12/2022 11:00	12.48	0.00	0.00	39.20	5.48
21/12/2022 12:00	12.38	0.00	0.00	38.72	6.73
21/12/2022 13:00	12.40	0.00	0.00	40.40	4.96
21/12/2022 14:00	12.05	0.00	0.00	40.51	8.14
21/12/2022 15:00	12.48	0.00	0.00	40.70	4.56
21/12/2022 16:00	12.45	0.00	0.00	39.50	5.15
21/12/2022 17:00	12.45	0.00	0.00	39.73	5.49
21/12/2022 18:00	12.48	0.00	0.00	39.31	5.69
21/12/2022 19:00	12.59	0.00	0.00	38.97	5.94
21/12/2022 20:00	12.74	0.00	0.00	40.46	5.01
21/12/2022 21:00	12.53	0.00	0.00	37.21	5.10
21/12/2022 22:00	12.63	0.00	0.00	39.66	4.98
21/12/2022 23:00	12.72	0.00	0.00	39.27	4.93
22/12/2022 0:00	12.60	0.00	0.00	38.44	5.75
22/12/2022 1:00	12.59	0.00	0.00	37.63	6.03
22/12/2022 2:00	12.60	0.00	0.00	38.51	5.70
22/12/2022 3:00	12.59	0.00	0.00	39.66	6.39
22/12/2022 4:00	12.81	0.00	0.00	40.81	4.94
22/12/2022 5:00	12.67	0.00	0.00	39.31	4.73
22/12/2022 6:00	12.81	0.00	0.00	38.94	4.77
22/12/2022 7:00	12.56	0.00	0.00	38.44	4.85
22/12/2022 8:00	12.66	0.00	0.00	35.17	6.07
22/12/2022 9:00	7.09	0.00	0.00	63.23	4.51
22/12/2022 10:00	6.95	0.00	0.00	57.69	4.66
22/12/2022 11:00	6.88	0.00	0.00	56.85	4.59
22/12/2022 12:00	6.95	0.00	0.00	60.32	4.80
22/12/2022 13:00	6.14	0.00	0.06	68.38	7.58
22/12/2022 14:00	6.09	0.00	0.09	64.01	5.96
22/12/2022 15:00	6.26	0.00	0.07	70.12	6.66
22/12/2022 16:00	6.19	0.00	0.10	64.87	6.25
22/12/2022 17:00	6.22	0.00	0.01	65.34	7.03
22/12/2022 18:00	6.05	0.00	0.11	63.35	7.57
22/12/2022 19:00	6.16	0.00	0.00	63.35	7.15

22/12/2022 20:00	6.25	0.00	0.00	68.14	5.97
22/12/2022 21:00	6.11	0.00	0.00	63.79	5.58
22/12/2022 22:00	6.26	0.00	0.00	68.29	5.88
22/12/2022 23:00	6.18	0.00	0.00	63.56	5.52
23/12/2022 0:00	6.19	0.00	0.00	61.98	5.31
23/12/2022 1:00	7.07	0.00	0.00	69.15	4.13
23/12/2022 2:00	7.11	0.00	0.00	63.72	4.25
23/12/2022 3:00	7.04	0.00	0.00	57.63	4.51
23/12/2022 4:00	7.34	0.00	0.00	64.47	4.59
23/12/2022 5:00	7.05	0.00	0.00	57.77	4.36
23/12/2022 6:00	7.15	0.00	0.00	59.85	3.98
23/12/2022 7:00	6.81	0.00	0.00	53.53	4.04
23/12/2022 8:00	5.73	0.00	0.00	62.48	4.17
23/12/2022 9:00	6.99	0.00	0.00	55.54	4.40
23/12/2022 10:00	7.22	0.00	0.00	60.08	4.83
23/12/2022 11:00	7.03	0.00	0.00	56.64	4.69
23/12/2022 12:00	4.27	0.00	0.08	54.10	4.39
23/12/2022 13:00	5.81	0.00	0.03	55.96	7.03
23/12/2022 14:00	6.15	0.00	0.04	65.72	6.52
23/12/2022 15:00	6.21	0.00	0.06	63.55	6.91
23/12/2022 16:00	6.24	0.00	0.21	66.43	7.38
23/12/2022 17:00	5.92	0.00	0.11	61.30	6.77
23/12/2022 18:00	6.16	0.00	0.24	70.12	7.51
23/12/2022 19:00	5.95	0.00	0.00	60.47	6.97
23/12/2022 20:00	6.06	0.00	0.25	65.67	5.70
23/12/2022 21:00	6.21	0.00	0.20	68.91	5.62
23/12/2022 22:00	6.14	0.00	0.00	65.22	5.67
23/12/2022 23:00	6.22	0.00	0.00	67.98	5.99
24/12/2022 0:00	6.50	0.00	0.13	69.49	6.30
24/12/2022 1:00	7.04	0.00	0.00	70.70	4.25
24/12/2022 2:00	6.61	0.00	0.00	54.70	4.36
24/12/2022 3:00	6.99	0.00	0.09	63.34	4.37
24/12/2022 4:00	7.22	0.00	0.00	69.90	4.68

24/12/2022 5:00	6.85	0.00	0.00	61.53	5.17
24/12/2022 6:00	7.06	0.00	0.00	63.18	4.07
24/12/2022 7:00	7.04	0.00	0.00	62.64	4.08
24/12/2022 8:00	7.12	0.00	0.00	63.92	4.08
24/12/2022 9:00	6.99	0.00	0.00	57.26	4.34
24/12/2022 10:00	7.83	0.00	0.00	69.41	4.72
24/12/2022 11:00	7.08	0.00	0.00	60.66	4.39
24/12/2022 12:00	6.97	0.00	0.00	64.20	5.06
24/12/2022 13:00	6.25	0.00	0.00	73.52	6.73
24/12/2022 14:00	6.38	0.00	0.00	73.67	6.85
24/12/2022 15:00	6.42	0.00	0.00	76.52	7.04
24/12/2022 16:00	6.21	0.00	0.00	72.30	6.65
24/12/2022 17:00	6.25	0.00	0.00	70.81	7.28
24/12/2022 18:00	6.25	0.00	0.00	67.61	8.40
24/12/2022 19:00	6.32	0.00	0.00	68.87	7.34
24/12/2022 20:00	6.30	0.00	0.00	68.77	11.36
24/12/2022 21:00	6.39	0.00	0.00	71.53	5.99
24/12/2022 22:00	6.35	0.00	0.00	68.14	5.80
24/12/2022 23:00	6.49	0.00	0.00	72.75	5.86
25/12/2022 0:00	6.30	0.00	0.00	71.22	6.03
25/12/2022 1:00	7.05	0.00	0.00	72.99	4.37
25/12/2022 2:00	7.45	0.00	0.00	70.27	4.48
25/12/2022 3:00	7.30	0.00	0.00	67.49	4.81
25/12/2022 4:00	6.92	0.00	0.00	63.33	4.56
25/12/2022 5:00	7.02	0.00	0.00	60.49	4.82
25/12/2022 6:00	6.94	0.00	0.00	56.34	4.24
25/12/2022 7:00	7.09	0.00	0.00	59.08	4.20
25/12/2022 8:00	7.12	0.00	0.00	58.52	4.50
25/12/2022 9:00	7.15	0.00	0.00	56.14	4.18
25/12/2022 10:00	7.13	0.00	0.00	60.03	4.56
25/12/2022 11:00	7.47	0.00	0.00	65.98	4.71
25/12/2022 12:00	7.14	0.00	0.00	60.78	4.81
25/12/2022 13:00	7.08	0.00	0.00	59.14	4.09

25/12/2022 14:00	7.12	0.00	0.00	60.85	4.11
25/12/2022 15:00	7.21	0.00	0.00	63.98	4.21
25/12/2022 16:00	7.14	0.00	0.02	64.02	4.55
25/12/2022 17:00	7.05	0.00	0.14	60.87	4.50
25/12/2022 18:00	7.03	0.00	0.13	60.94	4.36
25/12/2022 19:00	7.07	0.00	0.19	61.59	4.09
25/12/2022 20:00	7.08	0.00	0.16	61.93	4.11
25/12/2022 21:00	7.36	0.00	0.12	65.58	4.09
25/12/2022 22:00	6.97	0.00	0.00	56.83	4.09
25/12/2022 23:00	7.12	0.00	0.00	63.92	4.08
26/12/2022 0:00	6.99	0.00	0.00	57.26	4.34
26/12/2022 1:00	7.83	0.00	0.00	69.41	4.72
26/12/2022 2:00	7.08	0.00	0.00	60.66	4.39
26/12/2022 3:00	6.97	0.00	0.00	64.20	5.06
26/12/2022 4:00	6.25	0.00	0.00	73.52	6.73
26/12/2022 5:00	6.38	0.00	0.00	73.67	6.85
26/12/2022 6:00	6.42	0.00	0.00	76.52	7.04
26/12/2022 7:00	6.21	0.00	0.00	72.30	6.65
26/12/2022 8:00	6.25	0.00	0.00	70.81	7.28
26/12/2022 9:00	6.25	0.00	0.00	67.61	8.40
26/12/2022 10:00	7.12	0.00	0.00	63.92	4.08
26/12/2022 11:00	6.99	0.00	0.00	57.26	4.34
26/12/2022 12:00	7.83	0.00	0.00	69.41	4.72
26/12/2022 13:00	7.08	0.00	0.00	60.66	4.39
26/12/2022 14:00	6.97	0.00	0.00	64.20	5.06
26/12/2022 15:00	6.25	0.00	0.00	73.52	6.73
26/12/2022 16:00	6.38	0.00	0.00	73.67	6.85
26/12/2022 17:00	6.42	0.00	0.00	76.52	7.04
26/12/2022 18:00	6.21	0.00	0.00	72.30	6.65
26/12/2022 19:00	6.25	0.00	0.00	70.81	7.28
26/12/2022 20:00	6.25	0.00	0.00	67.61	8.40
26/12/2022 21:00	7.12	0.00	0.00	63.92	4.08
26/12/2022 22:00	6.99	0.00	0.00	57.26	4.34

26/12/2022 23:00	7.83	0.00	0.00	69.41	4.72
27/12/2022 0:00	7.08	0.00	0.00	60.66	4.39
27/12/2022 1:00	6.97	0.00	0.00	64.20	5.06
27/12/2022 2:00	6.25	0.00	0.00	73.52	6.73
27/12/2022 3:00	6.38	0.00	0.00	73.67	6.85
27/12/2022 4:00	6.42	0.00	0.00	76.52	7.04
27/12/2022 5:00	6.21	0.00	0.00	72.30	6.65
27/12/2022 6:00	6.25	0.00	0.00	70.81	7.28
27/12/2022 7:00	6.25	0.00	0.00	67.61	8.40
27/12/2022 8:00	7.12	0.00	0.00	63.92	4.08
27/12/2022 9:00	6.99	0.00	0.00	57.26	4.34
27/12/2022 10:00	7.83	0.00	0.00	69.41	4.72
27/12/2022 11:00	7.08	0.00	0.00	60.66	4.39
27/12/2022 12:00	6.97	0.00	0.00	64.20	5.06
27/12/2022 13:00	6.25	0.00	0.00	73.52	6.73
27/12/2022 14:00	6.38	0.00	0.00	73.67	6.85
27/12/2022 15:00	6.42	0.00	0.00	76.52	7.04
27/12/2022 16:00	6.21	0.00	0.00	72.30	6.65
27/12/2022 17:00	6.25	0.00	0.00	70.81	7.28
27/12/2022 18:00	6.25	0.00	0.00	67.61	8.40
27/12/2022 19:00	7.12	0.00	0.00	63.92	4.08
27/12/2022 20:00	6.99	0.00	0.00	57.26	4.34
27/12/2022 21:00	7.83	0.00	0.00	69.41	4.72
27/12/2022 22:00	7.08	0.00	0.00	60.66	4.39
27/12/2022 23:00	6.97	0.00	0.00	64.20	5.06
28/12/2022 0:00	6.25	0.00	0.00	73.52	6.73
28/12/2022 1:00	6.38	0.00	0.00	73.67	6.85
28/12/2022 2:00	6.42	0.00	0.00	76.52	7.04
28/12/2022 3:00	6.21	0.00	0.00	72.30	6.65
28/12/2022 4:00	6.25	0.00	0.00	70.81	7.28
28/12/2022 5:00	6.25	0.00	0.00	67.61	8.40
28/12/2022 6:00	7.12	0.00	0.00	63.92	4.08
28/12/2022 7:00	6.99	0.00	0.00	57.26	4.34

28/12/2022 8:00	7.83	0.00	0.00	69.41	4.72
28/12/2022 9:00	7.08	0.00	0.00	60.66	4.39
28/12/2022 10:00	6.97	0.00	0.00	64.20	5.06
28/12/2022 11:00	6.25	0.00	0.00	73.52	6.73
28/12/2022 12:00	6.38	0.00	0.00	73.67	6.85
28/12/2022 13:00	6.42	0.00	0.00	76.52	7.04
28/12/2022 14:00	6.21	0.00	0.00	72.30	6.65
28/12/2022 15:00	6.25	0.00	0.00	70.81	7.28
28/12/2022 16:00	6.25	0.00	0.00	67.61	8.40
28/12/2022 17:00	7.12	0.00	0.00	63.92	4.08
28/12/2022 18:00	6.99	0.00	0.00	57.26	4.34
28/12/2022 19:00	7.83	0.00	0.00	69.41	4.72
28/12/2022 20:00	7.08	0.00	0.00	60.66	4.39
28/12/2022 21:00	6.97	0.00	0.00	64.20	5.06
28/12/2022 22:00	6.25	0.00	0.00	73.52	6.73
28/12/2022 23:00	6.38	0.00	0.00	73.67	6.85
29/12/2022 0:00	6.42	0.00	0.00	76.52	7.04
29/12/2022 1:00	6.21	0.00	0.00	72.30	6.65
29/12/2022 2:00	6.25	0.00	0.00	70.81	7.28
29/12/2022 3:00	6.25	0.00	0.00	67.61	8.40
29/12/2022 4:00	7.12	0.00	0.00	63.92	4.08
29/12/2022 5:00	6.99	0.00	0.00	57.26	4.34
29/12/2022 6:00	7.83	0.00	0.00	69.41	4.72
29/12/2022 7:00	7.08	0.00	0.00	60.66	4.39
29/12/2022 8:00	6.97	0.00	0.00	64.20	5.06
29/12/2022 9:00	6.25	0.00	0.00	73.52	6.73
29/12/2022 10:00	6.38	0.00	0.00	73.67	6.85
29/12/2022 11:00	6.42	0.00	0.00	76.52	7.04
29/12/2022 12:00	6.21	0.00	0.00	72.30	6.65
29/12/2022 13:00	6.25	0.00	0.00	70.81	7.28
29/12/2022 14:00	6.25	0.00	0.00	67.61	8.40
29/12/2022 15:00	12.42	0.00	0.00	35.29	4.42
29/12/2022 16:00	12.35	0.00	0.00	33.22	5.37

29/12/2022 17:00	12.35	0.00	0.00	33.78	5.57
29/12/2022 18:00	12.59	0.00	0.00	35.06	4.83
29/12/2022 19:00	12.43	0.00	0.00	30.62	5.09
29/12/2022 20:00	12.40	0.00	0.00	31.15	4.88
29/12/2022 21:00	12.18	0.00	0.00	27.58	4.82
29/12/2022 22:00	12.58	0.00	0.00	32.96	5.12
29/12/2022 23:00	12.54	0.00	0.00	32.04	5.85
Shutdown 30/12/2022 - 4/01/2023					
Average	7.56	0.00	0.02	60.14	6.29
Max	12.81	0.00	0.25	76.52	44.40
Min	4.27	0.00	0.00	27.58	3.98

^{1/} O₂ Lower detection limit = <0.04%O₂

^{2/} SO₂ Lower detection limit = 0.1 ppm

^{3/} CO Lower detection limit = 0.2 ppm

^{4/} NOx Lower detection limit = 0.04 ppm

^{5/} calculate from opacity , Dust (mg/m³) = 3.878e^{0.073x} , x = opacity (%)