

Table 2a Summary of meteorological observations in Hong Kong, 2018

Month	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)
		Mean Daily Maximum	Mean (deg. C)	Mean Daily Minimum				
		(deg. C)		(deg. C)				
January	1018.4	18.5	16.1	14.1	11.7	77	69	62.2
February	1019.7	18.7	16.0	13.9	10.4	70	73	4.5
March	1016.1	24.4	20.8	18.6	16.2	76	56	22.7
April	1014.1	26.9	23.6	21.7	19.4	78	71	28.1
May	1010.5	31.7	28.3	26.1	23.7	77	62	57.5
June	1004.8	31.3	28.6	26.8	24.7	80	79	458.8
July	1004.0	31.8	29.1	27.0	25.4	81	77	341.1
August	1001.9	31.0	28.6	26.7	25.5	84	84	615.1
September	1008.8	31.0	28.0	26.0	23.7	78	68	383.3
October	1015.5	28.0	25.3	23.4	18.7	69	59	104.3
November	1017.2	24.8	22.9	21.4	18.6	78	79	73.4
December	1019.9	21.3	19.2	17.6	14.8	76	75	11.9
Mean/Total	1012.6	26.6	23.9	21.9	19.4	77	71	2162.9
Normal*	1012.9	25.6	23.3	21.4	19.0	78	68	2398.5
Station	Hong Kong Observatory							

* 1981-2010 Climatological Normal, unless otherwise specified

Sensitivity Test of Vehicular Emission

Hours	NOx Emission (Gram/km)	
	Years	
	25oC	13.9oC
00:00-01:00	1475	1726
01:00-02:00	1015	1189
02:00-03:00	605	710
03:00-04:00	689	807
04:00-05:00	1564	1832
05:00-06:00	4482	5246
06:00-07:00	7447	8682
07:00-08:00	8724	10171
08:00-09:00	10545	12258
09:00-10:00	9431	10945
10:00-11:00	6534	7589
11:00-12:00	6030	6990
12:00-13:00	5759	6680
13:00-14:00	5199	6043
14:00-15:00	5341	6202
15:00-16:00	5446	6319
16:00-17:00	5749	6652
17:00-18:00	8352	9693
18:00-19:00	10146	11789
19:00-20:00	6530	7588
20:00-21:00	5115	5918
21:00-22:00	2984	3462
22:00-23:00	2423	2836
23:00-24:00	2286	2670
Total NOx Emission (gram/km)	123871	143996

Sensitivity Test of Vehicular Emission

Hours	RSP Emission (Gram/km)	
	Years	
	25oC	13.9oC
00:00-01:00	59	59
01:00-02:00	40	40
02:00-03:00	24	24
03:00-04:00	27	27
04:00-05:00	62	62
05:00-06:00	181	181
06:00-07:00	294	294
07:00-08:00	343	343
08:00-09:00	394	394
09:00-10:00	356	356
10:00-11:00	252	252
11:00-12:00	232	232
12:00-13:00	226	226
13:00-14:00	208	208
14:00-15:00	210	210
15:00-16:00	208	208
16:00-17:00	224	224
17:00-18:00	315	315
18:00-19:00	369	369
19:00-20:00	241	241
20:00-21:00	192	192
21:00-22:00	114	114
22:00-23:00	98	98
23:00-24:00	89	89
Total RSP Emission (gram/km)	4759	4759

Sensitivity Test of Vehicular Emission

Hours	FSP Emission (Gram/km)	
	Years	
	25oC	13.9oC
00:00-01:00	55	55
01:00-02:00	37	37
02:00-03:00	22	22
03:00-04:00	25	25
04:00-05:00	57	57
05:00-06:00	167	167
06:00-07:00	270	270
07:00-08:00	316	316
08:00-09:00	363	363
09:00-10:00	328	328
10:00-11:00	233	233
11:00-12:00	213	213
12:00-13:00	209	209
13:00-14:00	192	192
14:00-15:00	194	194
15:00-16:00	192	192
16:00-17:00	207	207
17:00-18:00	290	290
18:00-19:00	339	339
19:00-20:00	222	222
20:00-21:00	177	177
21:00-22:00	106	106
22:00-23:00	90	90
23:00-24:00	82	82
Total FSP Emission (gram/km)	4386	4386