

# BULLETIN FOR JANUARY, 1905.

## METEOROLOGICAL DATA DEDUCED FROM HOURLY OBSERVATIONS.

### MANILA CENTRAL OBSERVATORY.

[Latitude, 14° 34' 41" north; longitude, 120° 58' 33" east of Greenwich.]

Date.	Barom-eter, <sup>1</sup> mean.	Temperature.								
		In shade. <sup>2</sup>			Underground (8 a. m.).					
		Mean.	Maxi-mum.	Mini-mum.	0.25 m.	0.50 m.	0.50 m. 2 p. m.	1.50 m.	2.50 m.	
	Mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	
1	765.69	24.	30	20.7	23.9	24.3	24.6	27.2	29	
2	64.72	24.1	30.8	19.7	23.7	24.5	24.5	27.2	29.1	
3	65.11	23.8	29.6	19.7	23.6	24.6	24.6	27.1	29	
4	65.41	23.1	30.7	18.3	23.8	24.2	24.5	27.1	29	
5	64.32	23.9	30.2	19.4	23.2	24.4	24.3	27.3	29.1	
6	63.24	23.8	30.5	19.1	23.4	24.3	24.8	27.3	29.1	
7	63.02	22.6	29.9	16.5	23.2	24.5	24.6	27.4	29.1	
8	61.93	23.1	29.6	16.7	23	24.2	24.7	27.4	29.1	
9	60.41	23	29.9	17	23.2	24.3	24.7	27.5	29.3	
10	60.46	23.3	29.8	17.4	23.3	24.4	24.7	27.3	29.1	
11	61.22	23.1	30.4	16.2	23.2	24.5	24.8	27.4	29.1	
12	61.80	23.7	29.5	17.8	23.5	24.5	24.4	27.5	29.1	
13	61.94	25	32.2	20.2	23.6	24.3	24.9	27.6	29.2	
14	62.04	24.9	31.3	21	24.2	24.5	25	27.6	29.3	
15	62.41	24.2	31.2	18.3	23.7	24.7	25.2	27.7	29.4	
16	62.91	23.6	30.7	17.7	23.8	24.8	24.8	27.8	29.6	
17	62.79	23.9	31.6	17	23.6	24.7	25.3	27.8	29.6	
18	61.36	23.5	31.3	16.9	23.6	24.6	25.2	27.8	29.5	
19	61.17	23.5	31.2	16.9	23.7	24.8	25.4	27.9	29.4	
20	60.72	23.6	31.7	16.4	23.6	24.6	25.2	28	29.5	
21	60.18	25.8	33.3	20.4	24.5	24.9	25.6	28	29.5	
22	60.17	25.1	30.4	19.4	24.6	25	25.6	28	29.6	
23	59.75	25.9	33.6	20.5	25	25.3	25.9	28.1	29.7	
24	60.02	26.5	33.3	21	25.5	25.5	26.2	28.1	29.2	
25	59.73	26.4	33.5	20	25.3	25.6	26.3	28.1	29.3	
26	59.47	25.9	32.7	19.8	25.5	25.7	26.2	28.6	29.6	
27	59.80	25.1	30	18.8	25.2	25.5	25.9	28.7	29.8	
28	60.12	25.6	31.7	19.9	25	25.5	26	28.7	29.8	
29	59.96	25.3	31	19.9	25.1	25.4	25.8	29	29.4	
30	59.82	25.4	30.8	20.3	24.9	25.4	25.9	29.1	29.8	
31	60.30	24.4	30.5	18.5	24.6	25.3	25.6	28.8	29.1	
Mean	761.71	24.4	31.1	18.8	24.1	24.8	25.2	27.8	29.3	
Total										
Departure from normal	+ 0.45	- 0.7	+ 1.2	- 1.8						

Date.	Relative humidity, mean.	Wind.				Atmldometer.		Sunshine.	Rainfall.
		Prevailing direction.	Total daily motion.	Maximum.		Open air.	Shad-ow.		
				Force.	Direction.				
	Per ct.		Km.	Km.		Mm.	Mm.	h. m.	Mm.
1	75.9	N.	243	21	E. by N.	7.6	2.5	4 30	
2	77.1	ESE.	142	18	E.	4.6	1.9	6 10	
3	77.4	ESE.	160	18	WNW.	5.7	2.6	1 25	
4	79.4	NNE.	162	13	NNE.	5.1	1.9	5 15	
5	84.7	E. NNE.	114	13	WNW.	4.7	1.9	5 30	
6	80.9	SE., W.	131	16	W.	4.5	1.6	9 00	
7	78.5	W., SE.	142	16	WNW.	5.3	2.1	9 40	
8	78.4	W. SE.	209	18	WNW.	5.5	2.2	9 25	
9	81.8	SE.	176	14	W.	5.6	2.3	9 15	
10	80.2	SE.	172	13	SE.	5.1	2	9 15	
11	78.6	SE.	167	20	SE.	5.7	2.3	9 30	
12	84.3	ESE., W.	143	15	WNW.	6	2.4	5 45	
13	80.3	ESE.	145	13	NE.	4.5	1.7	4 40	
14	78.7	SE.	185	14	SSE.	5.2	2.2	5 30	
15	76.7	E.-SE.	166	16	SE.	4.6	1.9	9 25	
16	79.5	SE.	172	16	SE. by E.	5.2	2.2	9 05	
17	74.6	ESE.	197	21	ESE.	6.4	2.6	9 35	
18	77.5	SE., WNW.	135	18	WNW.	6.1	2.4	8 35	
19	77.9	E. SE.	207	18	WNW.	6.4	2.5	9 55	
20	80.9	SE.	226	19	SE.	6.2	2.3	7 45	
21	78.9	SE.	175	16	SE.	5.3	2.1	8 25	
22	84.9	W.	180	17	W.	5.2	1.9	8 10	
23	82.7	WSW., SE.	172	22	WSW.	4.7	1.9	8 45	
24	76.4	S.-ESE.	147	17	ESE.	5.9	2.4	9 40	
25	73.5	SE.	184	16	SE.	7.5	3.3	9 50	
26	77.2	SE.	190	20	ESE.	6.1	2.6	9 50	
27	78.4	W.	174	16	W.	6.3	2.5	8 00	
28	82	W.	166	13	W.	5.4	2.2	9 45	
29	81.4	W. SSE	180	16	W.	6.1	2.6	10 00	
30	82	W.	182	18	WSW.	6	2.4	9 50	
31	77.5	WNW.	134	15	W. by N.	5.5	2.2	9 55	
Mean	79.3		170.3	16.6		5.6	2.2	8 06	
Total						174	69.6	251 20	
Departure from normal	+ 2.3		+ .3			— .8		+ 56 10	—28.3

<sup>1</sup> Corrected for instrumental error and for temperature and reduced to sea level. Correction to standard gravity, -1.72 mm.  
<sup>2</sup> These values are taken from instruments mounted in the Observatory park, 1.5 meters above ground.