

Beta-Radioactivity of Airborne Dust Near the Earth's Surface
 (Low level) notations later to be indicated
 Month: JANUARY Year: 1980
 Location of Sampling Point: at Royal Observatory, Hong Kong
 Lat. 22° 19' N Long. 114° 10' E

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

JAN 1980

Date	Hour	Min.	Time of Sampling		Amount of Radioactivity in air
			Start	End	
31	00	00	00	00	0.0
01	00	00	00	00	0.0
02	00	00	00	00	0.0
03	00	00	00	00	0.0
04	00	00	00	00	0.0
05	00	00	00	00	0.0
06	00	00	00	00	0.0
07	00	00	00	00	0.0
08	00	00	00	00	0.0
09	00	00	00	00	0.0
10	00	00	00	00	0.0
11	00	00	00	00	0.0
12	00	00	00	00	0.0
13	00	00	00	00	0.0
14	00	00	00	00	0.0
15	00	00	00	00	0.0
16	00	00	00	00	0.0
17	00	00	00	00	0.0
18	00	00	00	00	0.0
19	00	00	00	00	0.0
20	00	00	00	00	0.0
21	00	00	00	00	0.0
22	00	00	00	00	0.0
23	00	00	00	00	0.0
24	00	00	00	00	0.0
25	00	00	00	00	0.0
26	00	00	00	00	0.0
27	00	00	00	00	0.0
28	00	00	00	00	0.0
29	00	00	00	00	0.0
30	00	00	00	00	0.0
Monthly Mean:-					0.0
Maximum:-					0.0

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: JANUARYYear: 1960

Location of Sampling Point:-

Lat. 22° 19' N.Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
31	09	05	01	09	05	NIL	
01	09	10	02	09	15	NIL	
02	09	20	03	09	20	15.3	
03	09	25	04	09	10	1.0	
04	09	15	05	09	10	NIL	
05	09	15	06	09	25	NIL	
06	09	30	07	08	45	6.0	
07	08	50	08	08	45	NIL	
08	08	50	09	09	30	32.7	
09	09	35	10	09	05	16.9	
10	09	10	11	09	00	NIL	
11	09	05	12	09	20	NIL	
12	09	25	13	09	15	NIL	
13	09	20	14	09	00	NIL	
14	09	05	15	09	30	NIL	
15	09	35	16	08	55	NIL	
16	09	00	17	08	55	NIL	
17	09	00	18	08	55	NIL	
18	09	00	19	09	00	NIL	
19	09	05	20	09	00	18.1	
20	09	05	21	09	30	4.8	
21	09	35	22	09	10	NIL	
22	09	15	23	09	30	1.2	
23	09	35	24	08	55	1.5	
24	09	00	25	09	15	2.7	
25	09	20	26	09	00	NIL	
26	09	05	27	08	55	NIL	
27	09	00	28	08	55	NIL	
28	09	00	29	08	55	NIL	
29	09	00	30	09	45	NIL	
30	09	50	31	09	10	1.9	
Monthly Mean:-						3.3	
Maximum :-						32.7	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : JANUARY Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
DEC 30	JAN 01	NIL	Collecting period approx. 48 hours from 0800 HK time commencing at 0800 HK time
JAN 01	03	NIL	
03	05	5.6	
05	07	NIL	
07	09	12.0	
09	11	NIL	
11	13	NIL	
13	15	NIL	
15	17	NIL	
17	19	NIL	
19	21	1.3	
21	23	NIL	
23	25	1.9	
25	27	4.3	
27	29	8.6	
29	31	3.2	
Monthly Mean :-		2.3	
Maximum :-		12.0	

A

Beta-Radioactivity of Rainwater

Month: JANUARY

Year: 1980

Date of Sampling		Amount of water Sample	Amount of Radioactivity	Remarks
Start	End	ml	mBq/ml	
				Collecting period approx. 24 hours commencing at 0800 HK Time

NO SAMPLES
 WERE COLLECTED
 DURING THIS MONTH

Month: FEBRUARY Year: 1980

Location of Sampling Point: Station 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200

Station: 111

Date	Hour	Min.	Time of Sampling	Amount of	Remarks
01	00	00	00	00	00
02	00	00	00	00	00
03	00	00	00	00	00
04	00	00	00	00	00
05	00	00	00	00	00
06	00	00	00	00	00
07	00	00	00	00	00
08	00	00	00	00	00
09	00	00	00	00	00
10	00	00	00	00	00
11	00	00	00	00	00
12	00	00	00	00	00
13	00	00	00	00	00
14	00	00	00	00	00
15	00	00	00	00	00
16	00	00	00	00	00
17	00	00	00	00	00
18	00	00	00	00	00
19	00	00	00	00	00
20	00	00	00	00	00
21	00	00	00	00	00
22	00	00	00	00	00
23	00	00	00	00	00
24	00	00	00	00	00
25	00	00	00	00	00
26	00	00	00	00	00
27	00	00	00	00	00
28	00	00	00	00	00
29	00	00	00	00	00
30	00	00	00	00	00

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

Feb 1980

Monthly Mean: 1.11
Maximum: 20.00

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: FEBRUARYYear: 1980Lat. 22° 19' N.

Location of Sampling Point:-

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
31	09	15	01	09	10	NIL	
01	09	15	02	09	20	NIL	
02	09	25	03	09	50	NIL	
03	09	55	04	09	00	NIL	
04	09	05	05	09	05	NIL	
05	09	10	06	09	00	1.68	
06	09	05	07	08	55	NIL	
07	09	00	08	08	40	NIL	
08	08	45	09	09	15	3.43	
09	09	20	10	09	35	20.29	
10	09	40	11	09	10	NIL	
11	09	15	12	09	45	NIL	
12	09	50	13	09	10	NIL	
13	09	15	14	09	30	NIL	
14	09	35	15	08	50	NIL	
15	08	55	16	09	05	NIL	
16	09	10	17	09	00	NIL	
17	09	05	18	09	50	NIL	
18	09	55	19	09	40	NIL	
19	09	45	20	08	45	4.01	
20	08	50	21	09	05	NIL	
21	09	10	22	10	20	NIL	
22	10	25	23	09	55	NIL	
23	10	00	24	09	00	NIL	
24	09	05	25	09	15	NIL	
25	09	20	26	09	30	NIL	
26	09	35	27	09	05	NIL	
27	09	10	28	09	00	2.64	
28	09	05	29	09	30	NIL	
29			30				
30			31				
Monthly Mean:-						1.11	
Maximum :-						20.29	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : FEBRAURY Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
31	02	NIL	Collecting period approx. 48 hours commencing at 0800 HKT _{time}
02	04	0.75	
04	06	NIL	
06	08	NIL	
08	10	8.23	
10	12	NIL	
12	14	NIL	
14	16	NIL	
16	18	NIL	
18	20	NIL	
20	22	NIL	
22	24	NIL	
24	26	NIL	
26	28	NIL	
Monthly Mean :-		0.64	
Maximum :-		8.23	

Beta-Radiactivity of Airborne Dust Near the Earth's Surface
(see also) National Institute for Environmental Health Studies
Month: MARCH Year: 1950
Location of Sampling Station: 114° 10' E
Elev. 10' E

Date	Hour	Min.	Time of Sampling		Remarks
			Start	Stop	
1	00	00	00	00	
2	00	00	00	00	
3	00	00	00	00	
4	00	00	00	00	
5	00	00	00	00	
6	00	00	00	00	
7	00	00	00	00	
8	00	00	00	00	
9	00	00	00	00	
10	00	00	00	00	
11	00	00	00	00	
12	00	00	00	00	
13	00	00	00	00	
14	00	00	00	00	
15	00	00	00	00	
16	00	00	00	00	
17	00	00	00	00	
18	00	00	00	00	
19	00	00	00	00	
20	00	00	00	00	
21	00	00	00	00	
22	00	00	00	00	
23	00	00	00	00	
24	00	00	00	00	
25	00	00	00	00	
26	00	00	00	00	
27	00	00	00	00	
28	00	00	00	00	
29	00	00	00	00	
30	00	00	00	00	
31	00	00	00	00	
			Monthly Mean		1.80
			Maximum		12.54

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

MAR 1950

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: MARCHYear: 1960

Location of Sampling Point:-

Lat. 22° 19' N.Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
29	09	35	01	10	00	NIL	
01	10	00	02	09	00	15.24	
02	09	05	03	09	20	NIL	
03	09	25	04	09	15	NIL	
04	09	20	05	09	40	NIL	
05	09	45	06	09	55	NIL	
06	10	00	07	09	20	NIL	
07	09	25	08	08	15	NIL	
08	08	20	09	09	10	NIL	
09	09	15	10	08	55	0.52	
10	09	00	11	08	35	NIL	
11	08	40	12	08	55	1.70	
12	09	00	13	09	15	NIL	
13	09	20	14	09	30	NIL	
14	09	35	15	09	05	11.20	
15	09	10	16	09	00	NIL	
16	09	05	17	09	30	NIL	
17	09	35	18	08	55	NIL	
18	09	00	19	09	30	NIL	
19	09	30	20	08	20	11.82	
20	08	25	21	09	35	3.32	
21	09	40	22	08	55	NIL	
22	09	00	23	09	20	NIL	
23	09	25	24	09	10	NIL	
24	09	15	25	09	00	NIL	
25	09	05	26	09	20	4.73	
26	09	25	27	09	00	NIL	
27	09	05	28	09	30	NIL	
28	09	35	29	09	30	4.17	
29	09	35	30	10	00	5.07	
30	10	05	31	09	20	NIL	
Monthly Mean:-						1.86	
Maximum :-						15.24	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : MARCH Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
FEB 28	MAR 1	NIL	Collecting period approx. 48 hours commencing at 0900 HK Time
MAR 1	3	NIL	
3	5	NIL	
5	7	NIL	
7	9	NIL	
9	11	1.31	
11	13	NIL	
13	15	0.56	
15	17	NIL	
17	19	0.75	
19	21	2.25	
21	23	NIL	
23	25	NIL	
25	27	NIL	
27	29	1.12	
29	31	NIL	
Monthly Mean :-		0.37	
Maximum :-		2.25	

Month: April Year: 1980
Location of Sampling Point: 114° 10' E, 22° 30' N

Remarks	Amount of Radioactivity	Time of Sampling		Date
		Start	End	
				01
				02
				03
				04
				05
				06
				07
				08
				09
				10
				11
				12
				13
				14
				15
				16
				17
				18
				19
				20
				21
				22
				23
				24
				25
				26
				27
				28
				29
				30

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

April 1980

Monthly Mean: 3.84
Maximum: 10.7

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: April

Year: 1980

Location of Sampling Point:-

Lat. 22° 19' N.

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
31	09	25	01	09	30	NIL	
01	09	35	02	09	10	NIL	
02	07	15	03	09	10	NIL	
03	09	15	04	09	40	5.41	
04	07	45	05	09	25	10.22	
05	09	30	06	09	40	NIL	
06	07	45	07	08	35	16.98	
07	08	40	08	09	35	11.48	
08	09	40	09	09	00	NIL	
09	09	05	10	09	10	6.00	
10	09	15	11	09	10	NIL	
11	09	15	12	09	05	2.92	
12	09	10	13	09	25	NIL	
13	09	30	14	09	00	NIL	
14	09	05	15	09	05	NIL	
15	09	10	16	08	40	3.36	
16	08	45	17	09	45	2.08	
17	09	50	18	08	35	NIL	
18	08	40	19	09	05	NIL	
19	09	10	20	09	40	NIL	
20	09	45	21	08	50	11.20	
21	08	55	22	09	15	6.00	
22	09	20	23	09	10	NIL	
23	09	15	24	10	30	5.94	
24	10	30	25	08	50	13.94	
25	08	55	26	10	00	NIL	
26	10	05	27	08	50	19.56	
27	08	55	28	09	15	NIL	
28	09	20	29	09	30	NIL	
29	09	25	30	09	00	NIL	
30			31				
Monthly Mean:-						3.84	
Maximum :-						19.56	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : April Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
31 March	02 April	NIL	Collecting period approx. 48 hours commencing at 0800 HK time
02 April	04	NIL	
04	06	NIL	
06	08	NIL	
08	10	2.62	
10	12	0.37	
12	14	NIL	
14	16	8.23	
16	18	NIL	
18	20	4.68	
20	22	NIL	
22	24	5.05	
24	26	NIL	
26	28	NIL	
28	30	NIL	
Monthly Mean :-		1.40	
Maximum :-		8.23	

Mon: LIB MAY Year: 1980

Location of Sampling Point:-
 Lat. 22° 19' N.
 Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity $\mu\text{Bq}/\text{m}^3$ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
30	09	05	01	09	20	21.70	
01	09	25	02	09	10	NIL	
02	09	15	03	08	35	22.18	
03	09	00	04	09	35	21.86	
04	09	05	05	09	15	23.97	
05	09	00	07	09	10	NIL	
07	09	15	08	09	50	NIL	
08	09	15	09	09	20	NIL	
09	09	15	10	09	20	NIL	
10	09	25	11	09	30	18.75	
11	09	35	12	09	15	NIL	
12	09	20	13	09	10	21.08	
13	09	05	14	09	10	18.52	
14	09	10	15	09	05	20.45	
15	09	10	16	09	10	17.73	
16	09	35	17	09	10	7.83	
17	09	10	18	09	10	—	*
18	09	15	19	09	30	NIL	
19	09	35	20	09	30	2.82	
20	09	30	21	09	35	NIL	
21	09	40	22	10	10	5.09	
22	10	15	23	09	10	NIL	
23	09	10	24	09	00	7.78	
24	09	05	25	09	50	NIL	
25	09	35	26	09	00	10.36	
26	09	05	27	09	20	NIL	
27	09	25	28	09	10	9.25	
28	09	15	29	09	30	—	*
29	09	35	30	09	15	NIL	

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

May 1980

Monthly Mean:-	9.00
Maximum :-	31.52

meter 4/3.

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: MAY

Year: 1980

Location of Sampling Point:-

Lat. 22° 19' N.

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
30	09	05	01	09	20	21.50	
01	09	25	02	09	10	NIL	
02	09	15	03	08	55	22.58	
03	09	00	04	08	55	21.86	
04	09	00	05	09	40	5.90	
05	09	45	06	08	55	13.41	
06	09	00	07	09	10	NIL	
07	09	15	08	09	50	NIL	
08	09	55	09	08	30	NIL	
09	08	35	10	09	10	16.96	
10	09	15	11	09	20	NIL	
11	09	25	12	09	30	18.75	
12	09	35	13	09	15	NIL	
13	09	20	14	09	00	2.08	
14	09	05	15	09	10	38.52	
15	09	10	16	09	05	31.45	
16	09	10	17	09	50	19.43	
17	09	55	18	08	05	7.83	
18	08	10	19	09	10	—	#
19	09	15	20	09	30	NIL	
20	09	35	21	09	30	8.02	
21	09	30	22	09	35	NIL	
22	09	40	23	10	10	5.09	
23	10	15	24	09	10	NIL	
24	09	10	25	09	00	7.98	
25	09	05	26	09	50	NIL	
26	09	55	27	09	00	10.36	
27	09	05	28	09	20	NIL	
28	09	25	29	09	10	9.25	
29	09	15	30	09	30	—	#
30	09	35	31	09	15	NIL	

Monthly Mean:-	9.00
Maximum :-	38.52

meter u/s

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : MAY Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

 Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
			Collecting period
30	02	NIL	Collecting period approx. 48 hours commencing at about 0800 H/L Time
02	04	0.37	
04	06	3.18	
06	08	1.12	
08	10	3.37	
10	12	12.54	
12	14	NIL	
14	16	14.78	
16	18	5.05	
18	20	NIL	
20	22	1.31	
22	24	NIL	
24	26	NIL	
26	28	NIL	
28	30	16.09	
Monthly Mean :-		3.85	
Maximum :-		16.09	

Beta-Radiactivity of Airborne Dust Near the Earth's Surface
 (see page 2) published last in this journal
 Year: 1980 Month: JUNE
 Last: 1980 : first: 1980
 Location of Sampling Point: at Royal Observatory, Hong Kong

Date	Hour	Min.	Time of Sampling		Remarks
			Start	End	
30	00	00	00	00	
31	00	00	00	00	
01	00	00	00	00	
02	00	00	00	00	
03	00	00	00	00	
04	00	00	00	00	
05	00	00	00	00	
06	00	00	00	00	
07	00	00	00	00	
08	00	00	00	00	
09	00	00	00	00	
10	00	00	00	00	
11	00	00	00	00	
12	00	00	00	00	
13	00	00	00	00	
14	00	00	00	00	
15	00	00	00	00	
16	00	00	00	00	
17	00	00	00	00	
18	00	00	00	00	
19	00	00	00	00	
20	00	00	00	00	
21	00	00	00	00	
22	00	00	00	00	
23	00	00	00	00	
24	00	00	00	00	
25	00	00	00	00	
26	00	00	00	00	
27	00	00	00	00	
28	00	00	00	00	
29	00	00	00	00	
30	00	00	00	00	

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

June 1980

Monthly Mean: 2.65
 Maximum: 3.49

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: JUNEYear: 1980

Location of Sampling Point:-

Lat. 22° 19' N.Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
31	09	20	01	10	30	NIL	
01	10	35	02	09	15	NIL	
02	09	20	03	09	10	NIL	
03	09	15	04	09	45	11.68	
04	09	50	05	09	10	NIL	
05	09	15	06	09	05	NIL	
05	09	10	07	09	30	8.17	
07	09	35	08	09	05	NIL	
08	09	10	09	09	15	7.50	
09	09	20	10	09	25	NIL	
10	09	30	11	09	10	4.38	
11	09	15	12	09	05	4.32	
12	09	10	13	09	35	NIL	
13	09	40	14	09	00	4.56	
14	09	05	15	09	00	34.39	
15	09	05	16	09	35	NIL	
16	09	40	17	09	25	23.31	
17	09	30	18	09	15	NIL	
18	09	20	19	09	50	11.32	
19	09	55	20	09	10	16.34	
20	09	15	21	09	00	NIL	
21	09	05	22	09	50	1.75	
22	09	55	23	09	00	4.47	
23	09	05	24	08	50	6.10	
24	08	55	25	09	30	* -	* MALFUNCTION OF AIR PUMP
25	09	35	26	09	25	NIL	
26	09	30	27	09	30	NIL	
27	09	35	28	09	50	NIL	
28	09	55	29	09	30	3.43	
29	09	35	30	09	30	21.26	
30	09	05	31				
Monthly Mean:-						5.62	
Maximum :-						34.39	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : JUNE Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
30	01	NIL	Collecting period approx. 48 hours COMMENCING AT 0800 H.K. STARTING TIME
01	03	0.94	
03	05	0.75	
05	07	NIL	
07	09	0.75	
09	11	NIL	
11	13	2.62	
13	15	NIL	
15	17	NIL	
17	19	7.49	
19	21	5.43	
21	23	NIL	
23	25	5.05	
25	27	NIL	
27	29	NIL	
Monthly Mean :-		1.54	
Maximum :-		7.49	

Beta-Radioactivity of Rainwater

Month: JUNE

Year: 1980

Date of Sampling		Amount of water Sample ml	Amount of Radioactivity mBq/ml	Remarks
Start	End			
01	02	960	NIL	Collecting period approx. 24 hours COMMENCING AT 0800 H.K. START TIME
03	04	262	NIL	
04	05	500	NIL	
15	16	50	NIL	
22	23	68	0.54	
23	24	108	6.17	
26	27	640	NIL	
27	28	940	NIL	
28	29	466	NIL	
29	30	490	NIL	

Monthly Mean: 5.62
Maximum: 34.29

Month: JULY Year: 1980
Location of sampling point: _____
Date: 1980 _____

Date	Hour	Min	Time of Exposure		Remarks
			Start	End	
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

July 1980

Monthly Mean: _____
Maximum: _____

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: JULY

Year: 1980

Location of Sampling Point:-

Lat. 22° 19' N.

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
30	09	05	01	10	25	10.57	
01	10	30	02	09	20	16.63	
02	09	25	03	09	25	16.96	
03	09	30	04	09	15	NIL	
04	09	20	05	09	20	NIL	
05	09	25	06	10	00	NIL	
06	10	05	07	09	00	12.06	
07	09	05	08	09	00	13.78	
08	09	00	09	09	30	13.92	
09	09	35	10	10	00	NIL	
10	10	05	11	09	13	1.18	
11	09	15	12	09	10	NIL	
12	09	15	13	09	25	14.80	
13	09	30	14	09	20	NIL	
14	09	25	15	08	55	16.52	
15	08	58	16	08	55	NIL	
16	09	00	17	09	10	NIL	
17	09	15	18	09	05	3.36	
18	09	10	19	09	30	0.35	
19	09	35	20	09	10	NIL	
20	09	15	21	09	15	6.47	
21	09	20	22	09	05	NIL	
22	09	10	23	09	10	11.63	
23	09	15	24	09	05	NIL	
24	09	10	25	09	10	NIL	
25	09	15	26	09	10	10.79	
26	09	15	27	08	55	13.19	
27	09	00	28	09	40	NIL	
28	09	45	29	09	15	NIL	
29	09	20	30	09	00	NIL	
30	09	05	31	10	05	NIL	
Monthly Mean:-						5.23	
Maximum :-						16.96	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : JULY Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
29	01	NIL	Collecting period approx. 48 hours commencing at about 0800 H.K. Time
01	03	7.11	
03	05	5.05	
05	07	3.18	
07	09	NIL	
09	11	5.99	
11	13	5.80	
13	15	11.60	
15	17	2.81	
17	19	NIL	
19	21	1.68	
21	23	9.73	
23	25	NIL	
25	27	6.18	
27	29	NIL	
29	31	NIL	
Monthly Mean :-		3.70	
Maximum :-		11.60	

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: _____ Year: _____

Location of Sampling Point: _____

Date	Hour	Min.	Time of Sampling		Amount of Radioactivity (cpm)	Remarks
			Start	End		
20	08	27	00	00	40	
21	09	07	00	00	30	
22	09	32	00	00	30	
23	09	32	00	00	42	
24	09	20	00	00	00	
25	09	20	00	00	00	
26	09	12	00	00	22	
27	09	00	00	00	20	
28	09	00	00	00	20	
29	09	22	00	00	34	
30	09	02	00	00	00	
31	09	25	00	00	42	
01	10	00	00	00	00	
02	10	32	00	00	00	
03	10	02	00	00	20	
04	10	32	00	00	22	
05	10	10	00	00	10	
06	10	20	00	00	20	
07	10	22	00	00	20	
08	10	12	00	00	12	
09	10	22	00	00	20	
10	10	20	00	00	20	
11	10	02	00	00	20	
12	10	22	00	00	20	
13	10	22	00	00	20	
14	10	32	00	00	00	
15	10	20	00	00	20	
16	10	10	00	00	12	
17	10	20	00	00	20	
18	10	30	00	00	20	
19	10	22	00	00	20	
20	10	22	00	00	20	
21	10	22	00	00	20	
22	10	22	00	00	20	
23	10	22	00	00	20	
24	10	22	00	00	20	
25	10	22	00	00	20	
26	10	22	00	00	20	
27	10	22	00	00	20	
28	10	22	00	00	20	
29	10	22	00	00	20	
30	10	22	00	00	20	
31	10	22	00	00	20	
Monthly Mean:-				3.8		
Maximum:-				19.0		

*Radioactivity Bulletin
 Royal Observatory
 Hong Kong
 August 1980*

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: AUGUST

Year: 1980

Location of Sampling Point:-

Lat. 22° 19' N.

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
31	10	10	01	09	25	11.96	
01	09	30	02	09	40	NIL	
02	09	45	03	09	00	NIL	
03	09	05	04	09	30	*	} COUNTER u/s
04	09	35	05	09	00	*	
05	09	05	06	09	35	*	
06	09	40	07	09	05	*	
07	09	10	08	09	10	NIL	
08	09	15	09	10	20	NIL	
09	10	25	10	09	45	NIL	
10	09	50	11	09	20	14.29	
11	09	25	12	09	05	NIL	
12	09	10	13	09	30	10.91	
13	09	35	14	09	00	NIL	
14	09	05	15	09	45	NIL	
15	09	50	16	09	10	NIL	
16	09	10	17	09	15	3.98	
17	09	20	18	09	25	NIL	
18	09	30	19	09	30	14.65	
19	09	35	20	08	50	8.63	
20	08	55	21	09	00	19.08	
21	09	05	22	09	30	NIL	
22	09	35	23	09	30	12.85	
23	09	35	24	09	45	NIL	
24	09	50	25	09	00	NIL	
25	09	05	26	08	50	NIL	
26	08	55	27	08	55	NIL	
27	09	00	28	09	20	NIL	
28	09	25	29	09	00	5.34	
29	09	05	30	09	00	2.61	
30	09	05	31	08	45	NIL	
Monthly Mean:-						3.86	
Maximum :-						19.08	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : August Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
31	02	NIL	Collecting period approx. 48 hours
02	04	* COUNTER 4/5	
04	06	* COUNTER 4/5	Commencing at about 0800 H.K. Time
06	08	NIL	
08	10	NIL	
10	12	NIL	
12	14	5.99	
14	16	1.50	
16	18	NIL	
18	20	NIL	
20	22	NIL	
22	24	9.54	
24	26	NIL	
26	28	NIL	
28	30	0.75	
Monthly Mean :-		1.37	
Maximum :-		9.54	

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: SEPT

Year: 1980

Lat. 22° 10' N.

Location of Sampling Point:-

Long. 114° 10' E.

Date	Time of Sampling			Date	Hour	Min.	Amount of Radioactivity $\mu\text{Bq}/\text{m}^3$ of air	Remarks
	Start	End	End					
31	08	20	01	09	10			
01	09	15	02	09	05			
02	09							
03	09	08	03	09	10			
04	09	15	04	09	10			
05	09	15	05	09	25			
06	09							
07	09							
08	09	05	06	09	05			
09	09	10	07	09	10			
10	09	15	08	09	10			
11	09	10	09	09	10			
12	09	40	10	09	40			
13	09	25	11	09	15			
14	09	20	12	09	30			
15	09	35	13	09	30			
16	09	35	14	09	05			
17	09	10	15	09	00			
18	09	05	16	09	35			
19	09	20	17	09	00			
20	09	05	18	09	15			
21	09	15	19	09	00			
22	09	05	20	09	10			
23	09	15	21	09	30			
24	09	35	22	09	05			
25	09	10	23	08	55			
26	09	00	24	09	00			
27	09	05	25	09	25			
28	09	30	26	09	00			
29	09	05	27	09	05			
30			28					

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

September 1980

Monthly Mean:-

390

Maximum :-

2822

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: SEPT

Year: 1980

Lat. 22° 19' N.

Location of Sampling Point:-

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
31	08	50	01	09	10	NIL	
01	09	15	02	09	05	2.67	
02	09	10	03	09	05	7.96	
03	09	08	04	09	10	NIL	
04	09	15	05	09	10	NIL	
05	09	15	06	09	25	1.42 1.42	
06	09	30	07	09	00	NIL	
07	09	05	08	09	00	8.89	
08	09	05	09	09	05	NIL	
09	09	10	10	09	10	11.00	
10	09	15	11	09	10	NIL	
11	09	10	12	09	35	1.87	
12	09	40	13	09	40	NIL	
13	09	45	14	09	15	5.07	
14	09	20	15	09	30	NIL	
15	09	35	16	09	30	NIL	
16	09	35	17	09	05	NIL	
17	09	10	18	09	00	NIL	
18	09	05	19	09	35	NIL	
19	09	40	20	09	00	NIL	
20	09	05	21	09	15	NIL	
21	09	15	22	09	00	NIL	
22	09	05	23	09	10	NIL	
23	09	15	24	09	30	18.50	
24	09	35	25	09	05	12.69	
25	09	10	26	08	55	17.12	
26	09	00	27	09	00	28.22	
27	09	05	28	09	25	2.05 2.06	
28	09	30	29	09	00	NIL	
29	09	05	30	09	05	NIL	
30			31				
Monthly Mean:-						3.90	
Maximum :-						28.22	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : SEPT Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
30	01	NIL	Collecting period approx. 48 hours Commencing at about 0800 H.K. Time
01	03	NIL	
03	05	NIL	
05	07	NIL	
07	09	NIL	
09	11	3.93	
11	13	NIL	
13	15	2.25	
15	17	NIL	
17	19	3.56	
19	21	NIL	
21	23	NIL	
23	25	4.49	
25	27	11.60	
27	29	2.06	
Monthly Mean :-		1.86	
Maximum :-		11.60	

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: OCTOBER

Year: 80

Location of Sampling Point:-

Lat. 22° 19' N.

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity $\mu\text{Bq}/\text{m}^3$ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
30	09	10	01	08	55	23.59	
01	09	00	02	09	10	25.32	
02	09	25	03	09	00	NIL	
03	09	05	04	09	00	NIL	
04	09	05	05	09	00	NIL	
05	09	05	06	09	00	NIL	
06	09	05	07	09	00	NIL	
07	09	15	08	09	05	16.19	
08	09	10	09	09	00	1.57	
09	09	25	10	09	15	1.64	
10	09	50	11	09	15	2.64	
11	08	50	12	08	50	NIL	
12	09	20	13	08	50	1.68	
13	08	20	14	09	15	1.64	
14	09	50	15	09	00	2.07	
15	09	25	16	09	15	NIL	
16	09	20	17	09	15	17.01	
17	09	20	18	09	20	NIL	
18	09	25	19	09	20	NIL	
19	09	25	20	08	25	3.52	
20	08	30	21	08	30	18.50	
21	08	35	22	08	35	8.83	
22	08	40	23	08	40	27.82	
23	08	45	24	09	00	15.62	
24	09	05	25	09	15	NIL	
25	09	20	26	09	40	2.74	
26	09	25	27	09	25	NIL	
27	09	30	28	09	00	1.57	
28	09	05	29	09	25	8.22	
29	09	30	30	08	50	0.86	
30	08	55	31	08	55	3.48	

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

October 1980

* Pump stopped

Monthly Mean:-

11.9 $\mu\text{Bq}/\text{m}^3$

Maximum:-

27.82

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: OCTOBER Year: 80

Location of Sampling Point:- Lat. 22° 19' N.

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
30	09	10	01	08	55	23.59	
01	09	00	02	09	10	25.32	
02	09	15	03	09	20	7.59	
03	09	25	04	09	00	NIL	
04	09	05	05	09	00	NIL	
05	09	05	06	09	00	NIL	
06	09	55	07	09	50	4.68	
07	09	55	08	09	10	13.58	
08	09	15	09	09	05	16.19	
09	09	10	10	09	00	8.83 *	
10	09	05	11	08	45	11.57 *	
11	08	50	12	09	25	22.64	
12	09	30	13	08	50	NIL	
13	08	55	14	09	05	1.68	
14	09	10	15	09	45	1.64	
15	09	50	16	09	00	7.07	
16	09	25	17	09	15	NIL	
17	09	20	18	09	15	17.01	
18	09	20	19	09	20	NIL	
19	09	28	20	08	25	3.52	
20	08	30	21	08	30	18.50	
21	08	35	22	08	35	8.83	
22	08	40	23	08	40	37.82	
23	08	45	24	09	00	15.62	
24	09	05	25	09	15	NIL	
25	09	20	26	09	40	7.74	
26	09	45	27	09	25	NIL	
27	09	30	28	09	00	1.57	
28	09	05	29	09	25	5.22	
29	09	30	30	08	50	0.86	
30	08	55	31	08	55	3.48	

* PUMP STOPPED

Monthly Mean:- 11.9 8.42

Maximum :- ~~8.83~~ 37.82

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : OCTOBER Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
29	01	7.86	Collecting period approx. 48 hours commencing at about 0800 H.K.TIME.
01	03	8.80	
03	05	5.24	
05	07	5.43	
07	09	NIL	
09	11	1.50	
11	13	NIL	
13	15	5.24	
15	17	NIL	
17	19	NIL	
19	21	11.04	
21	23	1.12	
23	25	4.30	
25	27	3.37	
27	29	NIL	
29	31	NIL	
Monthly Mean :-		3.74 3.37	
Maximum :-		8.80 11.04	

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: NOVEMBER Year: 1980

Lat. 22° 19' N.

Location of Sampling Point:-

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
31	09	00	01	08	35	0.89	
01	08	40	02	09	45	NIL	
02	09	50	03	09	35	NIL	
03	09	40	04	09	35	22.64	
04	09	40	05	09	10	13.87 13.87	
05	09	15	06	09	20	21.14	
06	09	25	07	09	00	27.16	
07	09	05	08	09	00	15.79	
08	09	05	09	09	10	4.68	
09	09	15	10	09	30	15.07	
10	09	35	11	09	20	29.21	
11	09	25	12	09	05	23.75	
12	09	10	13	09	30	7.50	
13	09	35	14	09	10	8.71	
14	09	15	15	09	10	NIL	
15	09	15	16	10	05	15.09	
16	10	10	17	09	05	16.96	
17	09	10	18	09	30	13.36	
18	09	35	19	09	05	NIL	
19	09	10	20	09	10	NIL	
20	09	15	21	09	20	40.04	
21	09	25	22	09	40	8.00	
22	09	45	23	09	00	48.43	
23	09	05	24	09	00	7.58	
24	09	05	25	09	30	15.93	
25	09	35	26	09	20	12.33	
26	09	25	27	09	15	30.00	
27	09	20	28	09	10	10.22	
28	09	15	29	08	25	8.22	
29	08	30	30	09	30	NIL	
30			31				
Monthly Mean:-						13.89	
Maximum :-						48.43	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : NOVEMBER Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
31	02	6.36	Collecting period approx. 48 hours COMMENCING AT ABOUT 0800 H.K. TIME
02	04	1.87	
04	06	1.12	
06	08	10.85	
08	10	3.74	
10	12	7.86	
12	14	1.12	
14	16	1.12	
16	18	NIL	
18	20	NIL	
20	22	NIL	
22	24	8.42	
24	26	2.43	
26	28	9.36	
28	30	NIL	
Monthly Mean :-		3.62	
Maximum :-		10.85	

Radio-activity of Airborne Dust Near the Earth's Surface

Month: December

Year: 1980

Lat. 22° 10' N

Location of Sampling Point:-

Long. 114° 10' E

Time of Sampling						Amount of Radioactivity $\mu\text{Ci}/\text{m}^3$ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
30	09	30	01	09	30	ML	
01	09	35	02	09	15	ML	
02	09						
03	10						
04	09	35	05	09	25	9514	
05	09	30	06	09	30		
06	09	30	07	09	30		
07	09						
08	10	30	09	09	30		
09	09	15	10	09			
10	09	30	11	10			
11	13	00					
12	09	40	13				
13	09	35	14				
14	09	50	15				
15	09	25					
16	09	20					
17	09	05	18	09			
18	09	25	19				
19	09	15	20				
20	10	15	21	09			
21	09		22				
22	09		23				
23	09		24				
24			25				
25			26				
26			27				
27			28				
28			29				
29			30				
30			31				

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

Dec 1980

Monthly Mean: 15.11
 Various: 12.14

Beta-Radioactivity of Airborne Dust Near the Earth's Surface

Month: DECEMBERYear: 1980Lat. 22° 19' N.

Location of Sampling Point:-

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity mBq/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
30	09	30	01	09	30	NIL	
01	09	35	02	09	15	NIL	
02	09	20	03	10	00	NIL	
03	10	05	04	08	50	50.74	
04	08	55	05	09	25	45.14	
05	09	30	06	09	30	x	} pump u/s
05	09	30	07	09	30	x	
07	09	30	08	09	30	x	
08	10	30	09	09	05	37.00	
09	09	10	10	09	25	34.41	
10	09	30	11	10	55	25.90	
11	11	00	12	09	05	25.53	
12	09	10	13	09	20	38.56	
13	09	25	14	09	45	2.22	
14	09	50	15	09	30	NIL	
15	09	35	16	09	15	38.48	
16	09	20	17	09	00	10.42	
17	09	05	18	09	00	21.09	
18	09	05	19	09	45	17.02	
19	09	50	20	10	20	2.96	
20	10	25	21	09	15	14.43	
21	09	20	22	08	55	12.95	
22	09	00	23	09	25	10.73	
23	09	30	24	08	55	12.58	
24	09	00	25	09	10	21.09	
25	09	15	26	09	40	NIL	
26	09	45	27	08	25	NIL	
27	08	30	28	08	35	1.48	
28	08	40	29	08	00	NIL	
29	08	05	30	09	20	44.77	
30	09	25	31	10	00	1.00	
Monthly Mean:-						15.11	
Maximum :-						50.74	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : DECEMBER Year : 1980

Location of Sampling Point :- Lat. 22° 19' N.

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity MBq/km ²	Remarks
Start	End		
			collecting period
30	02	NIL	Collecting period approx. 48 hours COMMENCING AT ABOUT 0800 HRS TIME
02	04	NIL	
04	06	9.54	
06	08	4.70	
08	10	5.24	
10	12	4.70	
12	14	5.99	
14	16	14.03	
16	18	7.67	
18	20	3.55	
20	22	NIL	
22	24	2.81	
24	26	NIL	
26	28	NIL	
28	30	7.49	
Monthly Mean :-		4.38	
Maximum :-		14.03	

