

Month: JANUARY Year: 1977

Location: HONG KONG (Mandatory field in vertically-oriented tables)

Month: JANUARY Year: 1977

Date	Hour	Start	Time of Sampling	Amount of gas and dust deposited on filter in 100 ml of air	Radioactivity	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	
31	00	00	00	00	00	
Monthly Mean:				00	00	
Maximum:				00	00	

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

JAN 77

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

Month: JANUARY Year: 1977

Location of Sampling Point:- Lat. 22° 19' N.
 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.		
31	09	35	01	09	55	0.37 12.58	
01	10	00	02	09	50	0.20 7.4	
02	09	55	03	09	20	NIL	
03	09	25	04	09	45	0.03 1.11	
04	09	50	05	09	35	0.15 1.55	
05	09	40	06	09	10	0.07 2.59	
06	09	15	07	09	30	0.08 2.96	
07	09	35	08	09	00	NIL	
08	09	05	09	09	00	0.15 8.51	
09	09	05	10	10	05	0.02 0.74	
10	10	10	11	09	20	0.14 5.18	
11	09	25	12	09	40	NIL	
12	09	45	13	10	10	0.07 2.59	
13	10	15	14	09	25	0.00 10.37	
14	09	30	15	09	30	NIL	
15	09	35	16	09	05	0.27 9.99	
16	09	10	17	09	25	NIL	
17	09	30	18	09	30	0.13 4.81	
18	09	35	19	09	35	0.08 2.96	
19	09	40	20	09	30	0.12 4.44	
20	09	35	21	09	30	NIL	
21	09	35	22	08	30	0.04 3.33	
22	08	35	23	08	35	NIL	
23	08	40	24	09	00	0.26 9.62	
24	09	05	25	09	00	NIL	
25	09	05	26	09	25	0.14 7.03	
26	09	30	27	09	00	NIL	
27	09	00	28	09	30	0.02 0.74	
28	09	35	29	09	35	0.11 4.07	
29	09	40	30	09	00	NIL	
30	09	05	31	09	20	NIL	
Monthly Mean:-						0.08 2.96	
Maximum :-						0.37 12.58	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month: JANUARY Year: 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity $\text{mCi}/\text{km}^2 \quad 10^6 \text{ Bq}$	Remarks
Start	End		
DEC 31	JAN 01	8.51	Collecting period. 48 hours from 0800 H.K. ST. Time to 0800 H.K. St. Time approx.
02	04	NIL	
04	06	4.81	
06	08	1.48	
08	10	4.48	
10	12	NIL	
12	14	NIL	
14	16	7.4	
16	18	NIL	
18	20	6.66	
20	22	0.37	
22	24	1.48	
24	26	NIL	
26	28	3.33	
28	30	NIL	
Monthly Mean:-		2.59	
Maximum:-		8.51	

Month: FEB Year: 1977

Location of Sampling Point: (lat. and long.)

Month: FEB Year: 1977

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

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

FEB 77

Monthly Mean: 0.14	Monthly Mean: 0.14
Maximum: 0.38	Maximum: 0.38

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

Month: FEBYear: 1977Lat. 22° 19' N.

Location of Sampling Point:-

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity pCi/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
31	09	25	01	09	00	NIL	
01	09	10	02	11	05	NIL	
02	11	10	03	09	10	0.38	
03	09	15	04	10	10	0.18	
04	10	15	05	09	40	0.12	
05	09	45	06	09	10	0.16	
06	09	15	07	09	05	0.09	
07	09	10	08	09	15	0.14	
08	09	20	09	09	20	NIL	
09	09	25	10	10	00	0.16	
10	10	05	11	09	25	0.06	
11	09	30	12	09	00	0.17	
12	09	05	13	10	00	0.33	
13	10	05	14	09	10	NIL	
14	09	15	15	09	10	NIL	
15	09	15	16	09	25	0.07	
16	09	30	17	10	30	0.08	
17	10	35	18	08	50	0.31	
18	08	55	19	10	00	0.29	
19	10	05	20	09	10	0.26	
20	09	15	21	09	30	NIL	
21	09	35	22	09	40	0.24	
22	09	45	23	09	45	0.26	
23	09	50	24	09	30	0.20	
24	09	35	25	08	55	0.03	
25	09	00	26	09	40	0.16	
26	09	45	27	08	20	NIL	
27	08	30	28	09	30	0.27	
28			29				
29			30				
30			31				
Monthly Mean:-						0.14	
Maximum :-						0.38	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month: FEB

Year: 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity mCi/Km ²	Remarks
Start	End		
JAN 30	FEB 01	NIL	Collecting period 48 hours from 0800 H.K. ST. Time to 0800 H.K. St. Time approx.
FEB 01	v 02	0.23	
v 03	v 05	0.21	
v 05	v 07	0.09	
v 07	v 09	NIL	
v 09	" 11	0.03	
v 11	" 13	NIL	
v 13	v 15	NIL	
v 15	v 17	0.09	
v 17	v 19	0.01	
v 19	" 21	NIL	
v 21	v 23	0.14	
v 23	v 25	0.10	
v 25	v 27	NIL	
Monthly Mean:-		0.06	
Maximum:-		0.23	

Month: March Year: 1977

Location of Sampling Point: 115° 10' E Long. 22° 10' N Lat.

Date	Start Hour	End Hour	Time of Sampling		Radioactivity of air (pCi/m ³)	Remarks
			Min.	Sec.		
28	07	08	00	00	0.10	
29	07	08	00	00	0.10	
30	07	08	00	00	0.10	
31	07	08	00	00	0.10	
01	07	08	00	00	0.10	
02	07	08	00	00	0.10	
03	07	08	00	00	0.10	
04	07	08	00	00	0.10	
05	07	08	00	00	0.10	
06	07	08	00	00	0.10	
07	07	08	00	00	0.10	
08	07	08	00	00	0.10	
09	07	08	00	00	0.10	
10	07	08	00	00	0.10	
11	07	08	00	00	0.10	
12	07	08	00	00	0.10	
13	07	08	00	00	0.10	
14	07	08	00	00	0.10	
15	07	08	00	00	0.10	
16	07	08	00	00	0.10	
17	07	08	00	00	0.10	
18	07	08	00	00	0.10	
19	07	08	00	00	0.10	
20	07	08	00	00	0.10	
21	07	08	00	00	0.10	
22	07	08	00	00	0.10	
23	07	08	00	00	0.10	
24	07	08	00	00	0.10	
25	07	08	00	00	0.10	
26	07	08	00	00	0.10	
27	07	08	00	00	0.10	
28	07	08	00	00	0.10	
29	07	08	00	00	0.10	
30	07	08	00	00	0.10	
31	07	08	00	00	0.10	
Monthly Mean: 0.10						
Maximum: 0.10						

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

MAR 77

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

Month: MARCHYear: 1977

Location of Sampling Point:-

Lat. 22° 19' N.Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity pCi/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
28	09	35	01	09	25	0.14	
01	09	30	02	09	15	0.30	
02	09	20	03	09	55	0.38	
03	10	00	04	09	35	0.23	
04	09	40	05	09	10	NIL	
05	09	15	06	09	00	0.15	
06	09	05	07	09	10	0.09	
07	09	15	08	09	20	0.34	
08	09	25	09	08	30	0.73	
09	08	40	10	09	00	0.06	
10	09	05	11	08	55	0.18	
11	09	00	12	09	15	0.68	
12	09	20	13	09	00	0.28	
13	09	05	14	09	35	0.49	
14	09	40	15	08	55	0.36	
15	09	00	16	08	35	0.61	
16	08	35	17	08	21	0.29	
17	08	26	18	08	55	0.23	
18	08	55	19	09	00	0.40	
19	09	05	20	09	20	0.43	
20	09	25	21	08	55	0.18	
21	09	00	22	08	35	0.14	
22	08	40	23	08	47	0.02	
23	08	51	24	08	44	0.10	
24	08	50	25	08	23	0.04	
25	08	27	26	09	00	NIL	
26	09	05	27	08	10	0.04	
27	08	20	28	09	00	0.04	
28	09	05	29	08	40	NIL	
29	09	45	30	08	55	NIL	
30	09	00	31	08	43	NIL	
Monthly Mean:-						0.22	
Maximum :-						0.73	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month: MARCH

Year: 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity mCi/Km ²	Remarks
Start	End		
01	03	0.08	Collecting period. 48 hours from 0800 H.K. ST. Time to 0800 H.K. St. Time approx.
03	05	0.01	
05	07	0.03	
07	09	0.08	
09	11	0.01	
11	13	0.01	
13	15	0.15	
15	17	0.06	
17	19	0.09	
19	21	0.22	
21	23	NIL	
23	25	NIL	
25	27	NIL	
27	29	NIL	
29	31	0.13	
Monthly Mean:-		0.06	
Maximum:-		0.22	

Month: March 1977

Beta-Radioactivity of Rainwater

Month: MARCH

Year: 1977

Date of Sampling		Amount of water Sample cm^3	Amount of Radioactivity pCi/cm^3	Remarks
Start	End			
				Collecting period 24 hours from 0800 H.K. St. Time to 0800 H.K. St. Time approx.

~~NIL~~

Month: APR Year: 1977
Location of sampling point: 11th Floor, 110' E.A.
Month: 1977 Year: 1977

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

APR 77

Date	Hour	Min.	Time of Sampling		Remarks
			Start	End	
Amount of Radioactivity					
Remarks					
31					
30					
29					
28					
27					
26					
25					
24					
23					
22					
21					
20					
19					
18					
17					
16					
15					
14					
13					
12					
11					
10					
09					
08					
07					
06					
05					
04					
03					
02					
01					
Monthly Mean:-			20.5		
Maximum:-			29.5		

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

Month: APRIL Year: 1977

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	08	45	01	08	45	1.85	
01	08	50	02	08	55	5.92	
02	09	00	03	09	05	12.58	
03	09	00	04	08	37	12.95	
04	08	42	05	08	55	8.14	
05	09	00	06	08	12	4.81	
06	08	16	07	08	44	8.14	
07	08	46	08	08	50	NIL	
08	08	55	09	09	05	NIL	
09	09	10	10	09	10	NIL	
10	09	15	11	09	00	11.47	
11	09	05	12	08	50	NIL	
12	08	55	13	08	00	8.14	
13	08	05	14	08	40	5.18	
14	08	45	15	09	20	18.87	
15	09	25	16	09	15	4.07	
16	09	20	17	09	05	1.48	
17	09	10	18	09	20	NIL	
18	09	30	19	08	55	16.65	
19	09	00	20	08	33	29.23	
20	08	35	21	08	50	12.95	
21	08	55	22	09	15	1.48	
22	09	20	23	08	45	1.85	
23	08	50	24	09	10	NIL	
24	09	15	25	09	50	NIL	
25	09	55	26	10	10	21.83	
26	10	15	27	09	00	NIL	
27	09	05	28	09	35	2.96	
28	09	40	29	09	15	NIL	
29	09	20	30	08	35	21.09	
30			31				
Monthly Mean:-						7.05	
Maximum :-						29.23	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month: APRIL Year: 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity $\mu\text{Ci}/\text{km}^2$ $10^6\text{Bq}/\text{km}^2$	Remarks
Start	End		
31	02	NIL	Collecting period. 48 hours from 0800 H.K. ST. Time to 0800 H.K. St. Time approx.
02	04	4.07	
04	06	NIL	
06	08	NIL	
08	10	NIL	
10	12	NIL	
12	14	5.18	
14	16	NIL	
16	18	1.11	
18	20	2.59	
20	22	NIL	
22	24	NIL	
24	26	NIL	
26	28	NIL	
28	30	10.73	
Monthly Mean:-		1.58	
Maximum:-		10.73	

Month: MAY Year: 1977

Lat. 22° 19' N Long. 114° 10' E
Location of Sampling Point: at the Royal Observatory

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

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

MAY 77

Monthly Mean: 0.12
 Maximum: 0.63

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

Month: MAY Year: 1977Location of Sampling Point:- Lat. 22° 19' N.Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity		Remarks
Start			End			of		
Date	Hour	Min.	Date	Hour	Min.	$\frac{\text{mBq}}{\text{m}^3}$	$\frac{\text{mCi}}{\text{m}^3}$ of air	
30	08	40	01	09	15	NIL	NIL	
01	09	20	02	08	45	9.25	0.25	
02	08	50	03	09	45	NIL	NIL	
03	09	50	04	09	50	NIL	NIL	
04	09	55	05	09	00	NIL	NIL	
05	09	05	06	08	55	0.74	0.02	
06	09	00	07	09	20	7.40	0.20	
07	09	25	08	08	20	1.48	0.04	
08	08	25	09	09	50	NIL	NIL	
09	09	55	10	09	15	NIL	NIL	
10	09	20	11	09	25	-	NIL	PUMP STOPPED
11	09	30	12	09	25	6.30	0.17	
12	09	30	13	09	15	1.11	0.03	
13	09	20	14	10	20	12.95	0.35	
14	10	25	15	09	00	4.44	0.12	
15	09	05	16	09	00	11.82	0.32	
16	09	05	17	09	15	2.59	0.07	
17	09	20	18	09	00	14.10	0.38	
18	09	05	19	09	30	-	-	SAMPLE AFFECTED BY "HOUSE PUMP" REMOVAL
19	09	35	20	09	05	15.90	0.43	
20	09	10	21	09	10	NIL	NIL	
21	09	15	22	09	35	NIL	NIL	
22	09	40	23	09	00	NIL	NIL	
23	09	05	24	08	50	2.22	0.06	
24	08	55	25	09	15	23.30	0.63	
25	09	20	26	08	40	NIL	NIL	
26	08	45	27	09	40	5.55	0.15	
27	09	45	28	09	00	7.02	0.19	
28	09	05	29	08	45	2.96	0.08	
29	08	50	30	09	40	NIL	NIL	
30	09	45	31	09	20	4.82	0.13	
Monthly Mean:-						4.44	0.12	
Maximum :-						23.30	0.63	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month: MAY Year: 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity		Remarks
Start	End	10^6 Bq/Km^2 / 10^6 Bq/Km^2		
APL 30	MAY 02	7.76	0.21	Collecting period 48 hours from 0800 H.K. ST. Time to 0800 H.K. St. Time approx.
MAY 02	" 04	NIL	NIL	
" 04	" 06	5.55	0.15	
" 06	" 08	2.22 2.22	0.06	
" 08	" 10	NIL	NIL	
" 10	" 12	NIL	NIL	
" 12	" 14	4.08 ^{1.12}	0.03	
" 14	" 16	5.92	0.16	
" 16	" 18	NIL	NIL	
" 18	" 20	2.96	0.08	
" 20	" 22	3.33	0.09	
" 22	" 24	1.85	0.05	
" 24	" 26	7.4	0.20	
" 26	" 28	NIL	NIL	
" 28	" 30	NIL	NIL	
Monthly Mean:-		2.59	0.07	
Maximum:-		7.76	0.21	

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

Month: JUNE Year: 1977

Location: (Station) (Address) (City) (State) (Country)

Latitude: 22° 19' N Longitude: 114° 10' E

Date	Hour	Start	Time of Sampling	Amount of Sample	Radioactivity	Remarks
31	00	00	00	00	00	
31	01	00	00	00	00	
31	02	00	00	00	00	
31	03	00	00	00	00	
31	04	00	00	00	00	
31	05	00	00	00	00	
31	06	00	00	00	00	
31	07	00	00	00	00	
31	08	00	00	00	00	
31	09	00	00	00	00	
31	10	00	00	00	00	
31	11	00	00	00	00	
31	12	00	00	00	00	
31	13	00	00	00	00	
31	14	00	00	00	00	
31	15	00	00	00	00	
31	16	00	00	00	00	
31	17	00	00	00	00	
31	18	00	00	00	00	
31	19	00	00	00	00	
31	20	00	00	00	00	
31	21	00	00	00	00	
31	22	00	00	00	00	
31	23	00	00	00	00	
31	24	00	00	00	00	
31	25	00	00	00	00	
31	26	00	00	00	00	
31	27	00	00	00	00	
31	28	00	00	00	00	
31	29	00	00	00	00	
31	30	00	00	00	00	
31	31	00	00	00	00	
Monthly Mean:-				0.25		
Maximum:-				10.50		

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

JUN 77

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

Month: JUNEYear: 1977

Location of Sampling Point:-

Lat. 22° 19' N.Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity $\frac{\text{m} \text{ bq/m}^3}{\text{PC-1/m}^3}$ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
31	09	25	01	09	55	NIL	
01	10	00	02	09	35	NIL	
02	09	40	03	09	40	NIL	
03	09	45	04	09	35	1.11	
04	09	40	05	09	05	3.33	
05	09	10	06	09	00	5.55	
06	09	05	07	08	45	NIL	
07	08	50	08	09	00	NIL	
08	09	05	09	09	45	NIL	
09	09	50	10	09	45	NIL	
10	09	50	11	09	00	NIL	
11	09	05	12	09	40	NIL	
12	09	45	13	09	05	7.77	
13	09	10	14	09	15	4.81	
14	09	00	15	09	15	5.18	
15	09	20	16	09	30	8.14	
16	09	35	17	09	05	4.07	
17	09	10	18	09	30	10.36	
18	09	45	19	09	05	NIL	
19	09	10	20	09	40	4.81	
20	09	45	21	09	10	7.77	
21	09	15	22	08	55	0.37	
22	09	00	23	09	30	4.44	
23	09	35	24	09	10	NIL	
24	09	15	25	08	45	1.48	
25	08	55	26	09	30	7.77	
26	09	35	27	09	25	NIL	
27	09	30	28	09	40	NIL	
28	09	45	29	04	05	0.74	
29	09	10	30	09	05	NIL	
30			31				
Monthly Mean:-						2.59	
Maximum :-						10.36	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month: JUNE

Year: 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity mCi/km^2 $10^6 \text{Bq}/\text{km}^2$	Remarks
Start	End		
MAY 30	JUN 01	NIL	Collecting period 48 hours from 0800 H.K. ST. Time to 0800 H.K. St. Time approx.
JUN 01	JUN 03	8.14	
" 03	" 05	2.22	
" 05	" 07	5.55	
" 07	" 09	NIL	
" 09	" 11	1.11	
" 11	" 13	0.37	
" 13	" 15	1.85	
" 15	" 17	0.74	
" 17	" 19	NIL	
" 19	" 21	NIL	
" 21	" 23	5.55	
" 23	" 25	0.37	
" 25	" 27	NIL	
" 27	" 29	2.96	
Monthly Mean:-		1.92	
Maximum:-		8.14	

Month: JULY Year: 1977

Location of Sampling: 114° 10' W, 19° 15' N

Month: JULY Year: 1977

Date	Hour	Min	Date	Hour	Min	Remarks	Amount of Sample	Radioactivity	Remarks
01	00	00	01	00	00				
02	00	00	02	00	00				
03	00	00	03	00	00				
04	00	00	04	00	00				
05	00	00	05	00	00				
06	00	00	06	00	00				
07	00	00	07	00	00				
08	00	00	08	00	00				
09	00	00	09	00	00				
10	00	00	10	00	00				
11	00	00	11	00	00				
12	00	00	12	00	00				
13	00	00	13	00	00				
14	00	00	14	00	00				
15	00	00	15	00	00				
16	00	00	16	00	00				
17	00	00	17	00	00				
18	00	00	18	00	00				
19	00	00	19	00	00				
20	00	00	20	00	00				
21	00	00	21	00	00				
22	00	00	22	00	00				
23	00	00	23	00	00				
24	00	00	24	00	00				
25	00	00	25	00	00				
26	00	00	26	00	00				
27	00	00	27	00	00				
28	00	00	28	00	00				
29	00	00	29	00	00				
30	00	00	30	00	00				
							Monthly Mean:	5.85	
							Maximum:	7.75	

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

JUL 77

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

Month: JULY

Year: 1977

Lat. 22° 19' N.

Location of Sampling Point:-

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity ^{nls} pCi/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
30	09	10	01	09	30	0.74	
01	09	35	02	09	15	2.77	
02	09	20	03	09	40	NIL	
03	09	45	04	09	05	4.07	
04	09	10	05	09	05	4.07	
05	09	10	06	09	20	4.81	
06	09	25	07	09	25	NIL	
07	09	30	08	10	20	0.74	
08	10	25	09	09	30	2.22	
09	09	35	10	09	30	6.29	
10	09	35	11	09	30	5.92	
11	09	35	12	09	10	2.59	
12	09	15	13	08	50	NIL	
13	09	55	14	09	30	3.33	
14	09	35	15	09	20	NIL	
15	09	25	16	09	00	4.66	
16	09	05	17	09	15	2.59	
17	09	20	18	09	10	5.92	
18	09	15	19	08	40	11.14	
19	08	45	20	09	10	2.03	
20	09	15	21	09	00	5.18	
21	09	05	22	09	10	2.22	
22	09	15	23	09	15	NIL	
23	09	20	24	09	50	5.92	
24	09	55	25	09	35	4.07	
25	09	40	26	09	00	2.96	
26	09	05	27	09	50	NIL	
27	09	55	28	09	50	NIL	
28	09	55	29	09	20	NIL	
29	09	25	30	09	30	NIL	
30	09	35	31	09	20	NIL	
Monthly Mean:-						2.88	
Maximum :-						7.77	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month: JULY

Year: 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity mCi/Km ²	Remarks
Start	End		
July 01 0900	03 0900	NIL	Collecting period 48 hours from 0800 H.K. ST. Time to 0800 H.K. St. Time approx.
03	05	6.66	
05	07	3.33	
07	09	2.22	
09	11	NIL	
11	13	NIL	
13	15	2.59	
15	17	NIL	
17	19	NIL	
19	21	2.22	
21	23	NIL	
23	25	0.37	
25	27	2.59	
27	29	1.11	
29	31	0.74	
Monthly Mean:-		1.64	
Maximum:-		6.66	

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

Month: AUGUST Year: 1977

Location of sampling point: 11th Floor, 11th Street, 1977

Month: Aug Year: 1977

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

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

AUG 77

Monthly Mean: 0.40

Maximum: 1.40

Minimum: 0.00

Monthly Mean: 0.27

Maximum: 1.20

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

Month: AUGUSTYear: 1977Lat. 22° 19' N.

Location of Sampling Point:-

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity 10^3 Bq/m^3 of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
July 31	09	25	Aug 01	09	50	0.74	
Aug 01	09	55	02	09	30	NIL	
02	09	35	03	09	20	NIL	
03	09	05	04	09	30	NIL	
04	09	35	05	09	25	2.22	
05	09	30	06	08	45	NIL	
06	08	50	07	09	15	0.74	
07	09	20	08	09	10	7.03	
08	09	15	09	09	50	NIL	
09	09	55	10	08	55	2.59	
10	09	00	11	08	50	0.74	
11	08	55	12	08	50	NIL	
12	08	55	13	09	35	2.59	
13	09	40	14	08	55	NIL	
14	09	00	15	09	15	NIL	
15	09	20	16	09	30	NIL	
16	09	35	17	09	40	NIL	
17	09	45	18	09	30	1.11	
18	09	35	19	09	10	NIL	
19	09	15	20	09	35	9.99	
20	09	40	21	09	00	NIL	
21	09	05	22	09	55	0.74	
22	10	00	23	09	40	12.21	
23	09	45	24	08	55	11.47	
24	09	00	25	09	40	8.88	
25	09	45	26	09	40	NIL	
26	09	45	27	08	50	4.81	
27	08	55	28	09	20	1.48	
28	09	25	29	09	05	2.96	
29	09	10	30	09	05	NIL	
30	09	10	31	09	50	NIL	
Monthly Mean:-						2.27	
Maximum :-						12.21	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month: AUGUST

Year: 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity 10^6 Bq./Km^2	Remarks
Start	End		
JULY 31	AUG 02	4.44	Collecting period. 48 hours from 0800 H.K. ST. Time to 0800 H.K. St. Time approx.
AUG 02	" 04	4.07	
" 04	" 06	NIL	
" 06	" 08	1.48	
" 08	" 10	0.74	
" 10	" 12	NIL	
" 12	" 14	NIL	
" 14	" 16	NIL	
" 16	" 18	1.48	
" 18	" 20	NIL	
" 20	" 22	2.96	
" 22	" 24	NIL	
" 24	" 26	NIL	
" 26	" 28	2.22	
" 28	" 30	NIL	
		/	
Monthly Mean:-		1.16	
Maximum:-		4.44	

Month: _____ Year: 1977

(Two per year) (multiplicatively) (radioactivity)

Location of Sampling Point: _____
Month: _____

Date	Hour	Min.	Time of Specimen		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

SEP 77

Monthly Mean: _____
 Maximum: _____

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

Month: SEPYear: 1977

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	55	01	08	55	9.99	
01	09	00	02	08	50	14.43	
02	08	55	03	09	20	8.51	
03	09	25	04	09	00	NIL	
04	09	05	05	09	15	9.99	
05	09	20	06	09	25	NIL	
06	09	25	07	09	50	NIL	
07	09	55	08	09	15	NIL	
08	09	20	09	10	00	NIL	
09	10	05	10	09	35	5.55	
10	09	40	11	09	45	8.14	
11	09	50	12	09	15	7.77	
12	09	20	13	09	15	1.11	
13	11	00	14	09	25	NIL	
14	09	30	15	09	40	4.07	
15	09	45	16	09	00	NIL	
16	09	05	17	09	05	NIL	
17	09	10	18	10	00	12.21	
18	10	05	19	09	15	18.13	
19	09	20	20	09	00	13.32	
20	09	05	21	09	50	570.91	
21	09	55	22	09	30	347.80	
22	09	35	23	09	50	1256.15	
23	09	55	24	09	50	472.86	
24	09	55	25	09	00	37.37	
25	09	05	26	09	10	24.79	
26	09	15	27	08	50	9.62	
27	08	55	28	09	55	NIL	
28	10	00	29	09	45	1.48	
29	09	50	30	09	15	17.39	
30			31				
Monthly Mean:-						95.05	
Maximum :-						1256.15	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month: SEP Year: 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity $10^6 \text{Bq} / \text{Km}^2$	Remarks
Start	End		
30	01	NIL	Collecting period 48 hours from 0800 H.K. ST. Time to 0800 H.K. St. Time approx.
01	03	NIL	
03	05	4.44	
05	07	NIL	
07	09	NIL	
09	11	3.70	
11	13	NIL	
13	15	NIL	
15	17	4.81	
17	19	1.85	
19	21	1.11	
21	23	10.36	
23	25	3.70	
25	27	7.03	
27	29	17.76	
Monthly Mean:-		3.65	
Maximum:-		17.76	

Month: October Year: 1977

Location: Wai Tsing (contaminated) near to Kwai Tsing Island Lat. 22° 19' N

Long. 114° 10' E Month: October Year: 1977

Date	Hour	Min.	Time of Sampling		Amount of Samples to be analyzed
			Start	End	

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

OCT 77

28	00	00	00	00	0.00
29	00	00	00	00	0.00
30	00	00	00	00	0.00
31	00	00	00	00	0.00
01	00	00	00	00	0.00
02	00	00	00	00	0.00
03	00	00	00	00	0.00
04	00	00	00	00	0.00
05	00	00	00	00	0.00
06	00	00	00	00	0.00
07	00	00	00	00	0.00
08	00	00	00	00	0.00
09	00	00	00	00	0.00
10	00	00	00	00	0.00
11	00	00	00	00	0.00
12	00	00	00	00	0.00
13	00	00	00	00	0.00
14	00	00	00	00	0.00
15	00	00	00	00	0.00
16	00	00	00	00	0.00
17	00	00	00	00	0.00
18	00	00	00	00	0.00
19	00	00	00	00	0.00
20	00	00	00	00	0.00
21	00	00	00	00	0.00
22	00	00	00	00	0.00
23	00	00	00	00	0.00
24	00	00	00	00	0.00
25	00	00	00	00	0.00
26	00	00	00	00	0.00
27	00	00	00	00	0.00
28	00	00	00	00	0.00
29	00	00	00	00	0.00
30	00	00	00	00	0.00
31	00	00	00	00	0.00
01	00	00	00	00	0.00
02	00	00	00	00	0.00
03	00	00	00	00	0.00
04	00	00	00	00	0.00
05	00	00	00	00	0.00
06	00	00	00	00	0.00
07	00	00	00	00	0.00
08	00	00	00	00	0.00
09	00	00	00	00	0.00
10	00	00	00	00	0.00
11	00	00	00	00	0.00
12	00	00	00	00	0.00
13	00	00	00	00	0.00
14	00	00	00	00	0.00
15	00	00	00	00	0.00
16	00	00	00	00	0.00
17	00	00	00	00	0.00
18	00	00	00	00	0.00
19	00	00	00	00	0.00
20	00	00	00	00	0.00
21	00	00	00	00	0.00
22	00	00	00	00	0.00
23	00	00	00	00	0.00
24	00	00	00	00	0.00
25	00	00	00	00	0.00
26	00	00	00	00	0.00
27	00	00	00	00	0.00
28	00	00	00	00	0.00
29	00	00	00	00	0.00
30	00	00	00	00	0.00
31	00	00	00	00	0.00

Monthly Mean: 0.43
Maximum: 1.12

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

Month: OCTOBERYear: 1977

Location of Sampling Point:-

Lat. 22° 19' N.Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity pCi/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
30	09	20	01	09	30	0.27	
01	09	35	02	09	00	0.23	
02	09	05	03	10	05	NIL	
03	10	10	04	10	00	NIL	
04	10	05	05	09	20	NIL	
05	09	25	06	09	00	0.07	
06	09	05	07	09	45	0.61	
07	09	50	08	09	25	0.20	
08	09	30	09	10	00	0.05	
09	10	05	10	09	00	0.07	
10	09	00	11	11	00	0.45	
11	11	05	12	10	20	0.64	
12	10	25	13	09	30	1.15	
13	09	35	14	09	00	0.86	
14	09	05	15	09	05	0.45	
15	09	10	16	09	25	0.35	
16	09	30	17	09	35	0.57	
17	09	40	18	08	50	0.87	
18	08	35	19	08	50	0.94	
19	08	55	20	09	50	0.63	
20	10	00	21	10	30	0.68	
21	10	35	22	10	00	0.49	
22	10	05	23	09	10	0.58	
23	09	15	24	09	00	0.35	
24	09	05	25	09	00	0.74	
25	09	05	26	09	15	0.28	
26	09	20	27	09	15	0.37	
27	09	20	28	08	30	0.50	
28	08	35	29	09	25	0.44	
29	09	30	30	09	40	0.50	
30	09	45	31	09	20	0.04	
Monthly Mean:-						0.43	
Maximum :-						1.15	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month: OCTOBER

Year: 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity mCi/Km ²	Remarks
Start	End		
29	01	0.06	Collecting period. 48 hours from 0800 H.K. ST. Time to 0800 H.K. St. Time approx.
01	03	0.07	
03	05	0.06	
05	07	0.10	
07	09	NIL	
09	11	NIL	
11	13	NIL	
13	15	0.18	
15	17	NIL	
17	19	0.01	
19	21	NIL	
21	23	0.08	
23	25	0.10	
25	27	NIL	
27	29	0.12	
29	31	NIL	
Monthly Mean:-		0.05	
Maximum:-		0.18	

Beta-Radioactivity of Airborne Dust Near the Earth's Surface
 (Low and High Altitude) - 1977
 Month: NOVEMBER Year: 1977
 Location of Sampling Point: HONG KONG
 Station: ROYAL OBSERVATORY

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

NOV 77

Date	Hour	Min.	Time of Sampling		Remarks
			Start	End	
Date	Hour	Min.	Hour	Date	Radioactivity (pCi/m ³ of air)
01	00	00	00	01	0.22
01	00	00	00	02	0.22
02	00	00	00	03	0.22
03	00	00	00	04	0.22
04	00	00	00	05	0.22
05	00	00	00	06	0.22
06	00	00	00	07	0.22
07	00	00	00	08	0.22
08	00	00	00	09	0.22
09	00	00	00	10	0.22
10	00	00	00	11	0.22
11	00	00	00	12	0.22
12	00	00	00	13	0.22
13	00	00	00	14	0.22
14	00	00	00	15	0.22
15	00	00	00	16	0.22
16	00	00	00	17	0.22
17	00	00	00	18	0.22
18	00	00	00	19	0.22
19	00	00	00	20	0.22
20	00	00	00	21	0.22
21	00	00	00	22	0.22
22	00	00	00	23	0.22
23	00	00	00	24	0.22
24	00	00	00	25	0.22
25	00	00	00	26	0.22
26	00	00	00	27	0.22
27	00	00	00	28	0.22
28	00	00	00	29	0.22
29	00	00	00	30	0.22
30	00	00	00	31	0.22

Monthly Mean: 0.22
 Maximum: 0.22

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

Month: NOVEMBER

Year: 1977

Location of Sampling Point:-

Lat. 22° 19' N.

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity pCi/m ³ of air	Remarks
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
31	09	25	01	09	00	0.28	
01	09	05	02	09	30	0.15	
02	09	35	03	09	30	0.35	
03	09	35	04	09	00	0.13	
04	09	05	05	09	15	0.52	
05	09	20	06	09	25	0.14	
06	09	30	07	08	50	0.19	
07	08	55	08	09	05	0.18	
08	09	10	09	09	15	NIL	
09	09	20	10	09	30	NIL	
10	09	35	11	09	15	0.02	
11	09	20	12	09	00	0.12	
12	09	05	13	10	00	0.42	
13	10	05	14	09	10	0.03	
14	09	15	15	09	55	NIL	
15	09	00	16	10	05	NIL	
16	10	10	17	09	00	0.37	
17	09	05	18	09	25	0.16	
18	09	30	19	09	20	0.18	
19	09	25	20	08	50	0.29	
20	09	00	21	09	30	0.33	
21	09	35	22	09	10	0.01	
22	09	15	23	08	40	0.44	
23	08	45	24	09	40	0.45	
24	09	45	25	08	55	0.09	
25	09	00	26	09	20	0.24	
26	09	25	27	09	35	0.21	
27	09	40	28	08	45	0.28	
28	08	50	29	08	50	0.22	
29	08	55	30	09	00	0.48	
30			31				
Monthly Mean:-						0.21	
Maximum :-						0.52	

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : NOV Year : 1977Location of Sampling Point :- Lat. 22° 19' N.Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity mCi/Km ²	Remarks
Start	End		
31	02	NIL	Collecting period 48 hours from 0800 H.K. Time to 0800 H.K. Time approx.
02	04	NIL	
04	06	0.06	
06	08	NIL	
08	10	0.06	
10	12	NIL	
12	14	NIL	
14	16	NIL	
16	18	NIL	
18	20	NIL	
20	22	NIL	
22	24	0.13	
24	26	NIL	
26	28	NIL	
28	30	0.02	
Monthly Mean :-		0.018	
Maximum :-		0.13	

Nov 77

Rainwater

Location of Sampling Point: ...

Date	Hour	Min	Radioactivity	Count	Rate	Start
1	07	30	0.00	0	0.00	1
2	07	30	0.00	0	0.00	2
3	07	30	0.00	0	0.00	3
4	07	30	0.00	0	0.00	4
5	07	30	0.00	0	0.00	5
6	07	30	0.00	0	0.00	6
7	07	30	0.00	0	0.00	7
8	07	30	0.00	0	0.00	8
9	07	30	0.00	0	0.00	9
10	07	30	0.00	0	0.00	10
11	07	30	0.00	0	0.00	11
12	07	30	0.00	0	0.00	12
13	07	30	0.00	0	0.00	13
14	07	30	0.00	0	0.00	14
15	07	30	0.00	0	0.00	15
16	07	30	0.00	0	0.00	16
17	07	30	0.00	0	0.00	17
18	07	30	0.00	0	0.00	18
19	07	30	0.00	0	0.00	19
20	07	30	0.00	0	0.00	20
21	07	30	0.00	0	0.00	21
22	07	30	0.00	0	0.00	22
23	07	30	0.00	0	0.00	23
24	07	30	0.00	0	0.00	24
25	07	30	0.00	0	0.00	25
26	07	30	0.00	0	0.00	26
27	07	30	0.00	0	0.00	27
28	07	30	0.00	0	0.00	28
29	07	30	0.00	0	0.00	29
30	07	30	0.00	0	0.00	30

Monthly Mean: 0.21
 Maximum: 0.52

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

Month: December (Year: 1977)

Location of Sampling Point: 22° 33' N, 114° 15' E

Station: R.O. 11

Date	Time of Sampling		Remarks
	Hour	Min.	
30	07	01	
01	07	02	
02	07	03	
03	07	04	
04	07	05	
05	07	06	
06	07	07	
07	07	08	
08	07	09	
09	07	10	
10	07	11	
11	07	12	
12	07	13	
13	07	14	
14	07	15	
15	07	16	
16	07	17	
17	07	18	
18	07	19	
19	07	20	
20	07	21	
21	07	22	
22	07	23	
23	07	24	
24	07	25	
25	07	26	
26	07	27	
27	07	28	
28	07	29	
29	07	30	
30	07	31	
Monthly Mean			0.00
Maximum			0.00

RADIOACTIVITY BULLETIN

ROYAL OBSERVATORY

HONG KONG

DEC 77

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

Month: DECEMBER

Year: 1977

Location of Sampling Point:-

Lat. 22° 19' N.

Long. 114° 10' E.

Time of Sampling						Amount of Radioactivity pCi/m ³ of air	Remarks mBq/m ³
Start			End				
Date	Hour	Min.	Date	Hour	Min.		
30	09	05	01	08	45	0.38	14.06
01	08	50	02	09	00	0.33	12.21
02	09	05	03	09	45	0.45	16.65
03	09	50	04	09	15	0.59	21.83
04	09	20	05	09	00	0.64	23.68
05	09	05	06	08	55	0.38	14.06
06	09	00	07	09	00	0.35	12.95
07	09	05	08	09	05	0.18	6.66
08	09	10	09	09	30	0.20	7.4
09	09	35	10	09	00	0.35	12.95
10	09	05	11	09	15	0.51	18.57
11	09	20	12	09	20	0.37	13.69
12	09	25	13	09	15	0.22	8.14
13	09	20	14	09	05	NIL	NIL
14	09	10	15	09	00	0.07	2.59
15	09	05	16	08	25	NIL	NIL
16	08	30	17	09	30	0.17	6.29
17	09	35	18	09	10	0.28	10.36
18	09	15	19	09	05	NIL	NIL
19	09	10	20	09	05	NIL	NIL
20	09	10	21	08	30	0.21	7.77
21	08	35	22	09	50	0.29	10.73
22	09	55	23	10	00	0.12	4.44
23	10	05	24	09	05	0.04	1.48
24	09	10	25	09	25	NIL	NIL
25	09	30	26	09	45	0.10	3.7
26	09	50	27	10	00	NIL	NIL
27	10	05	28	09	40	0.08	2.96
28	09	45	29	09	20	NIL	NIL
29	09	25	30	08	40	NIL	NIL
30	08	45	31	09	00	0.04	1.48
Monthly Mean:-						0.20	7.4
Maximum :-						0.64	23.68

Beta-Radioactivity of Total Deposition (Dry and Wet)

Month : DEC Year : 1977

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

Long. 114° 10' E.

Date of Sampling		Amount of Radioactivity mCi/Km ²	Remarks
Start	End		
30	02	NIL	Collecting period 48 hours from 0800 H.K. Time to 0800 H.K. Time approx.
02	04	0.04	
04	06	NIL	
06	08	0.09	
08	10	NIL	
10	12	0.28	
12	14	0.03	
14	16	NIL	
16	18	NIL	
18	20	0.01	
20	22	0.10	
22	24	0.03	
24	26	NIL	
26	28	0.04	
28	30	NIL	
Monthly Mean :-		0.041	
Maximum :-		0.28	

