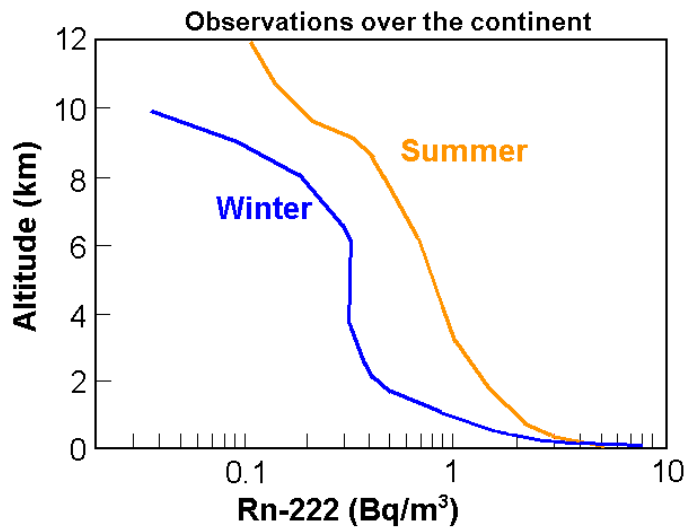


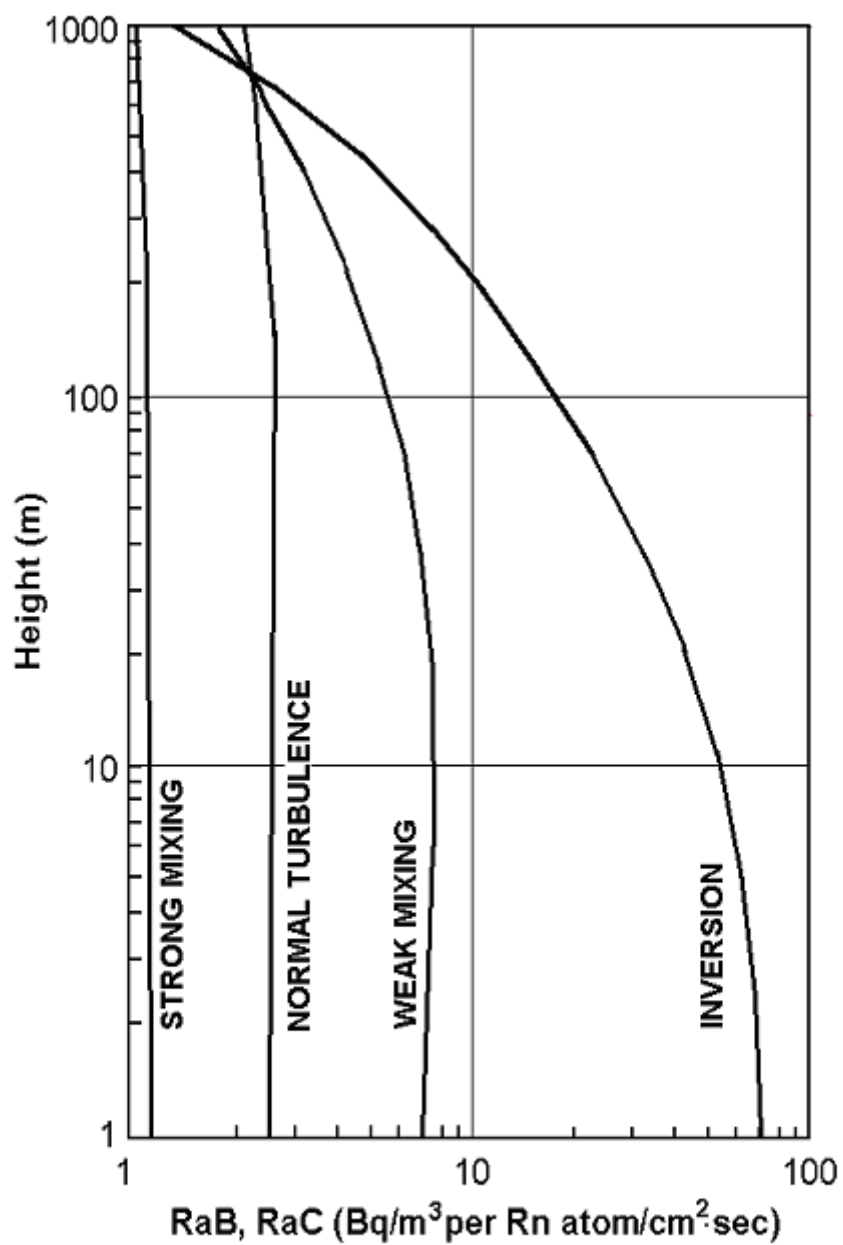
Minato, S. (1991) Monte Carlo calculation of global ^{222}Rn transport at middle latitude using a simple one-dimensional model, *Radioisotopes*, 40:1-8.

大陸上空のラドン Rn over the continent



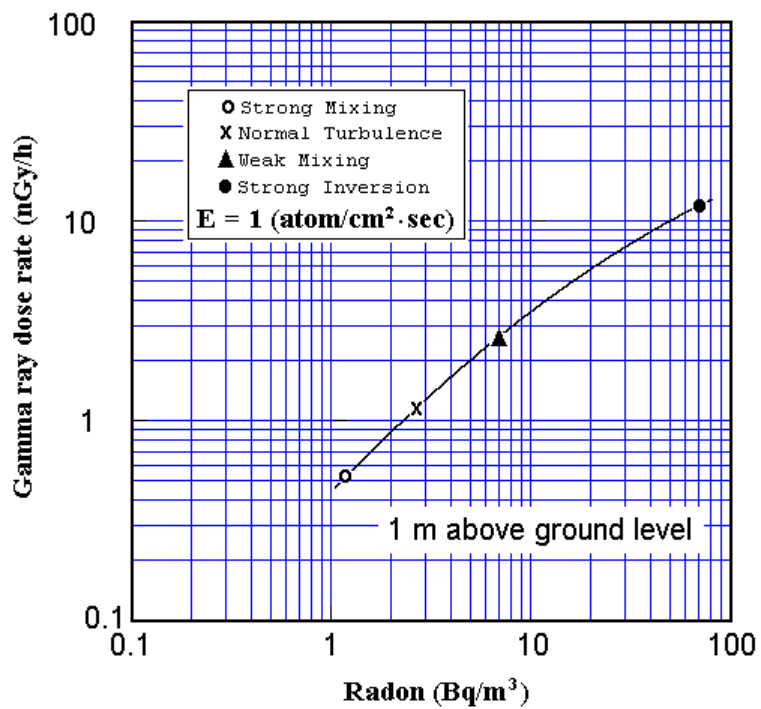
Liu, S.C., McAfee, J.R., and Cicerone, R.J. (1984) Radon 222 and tropospheric vertical transport, *Journal of Geophysical Research*, 89: 7291-7297.

ラドン娘の高度分布 Height distribution of radon daughters



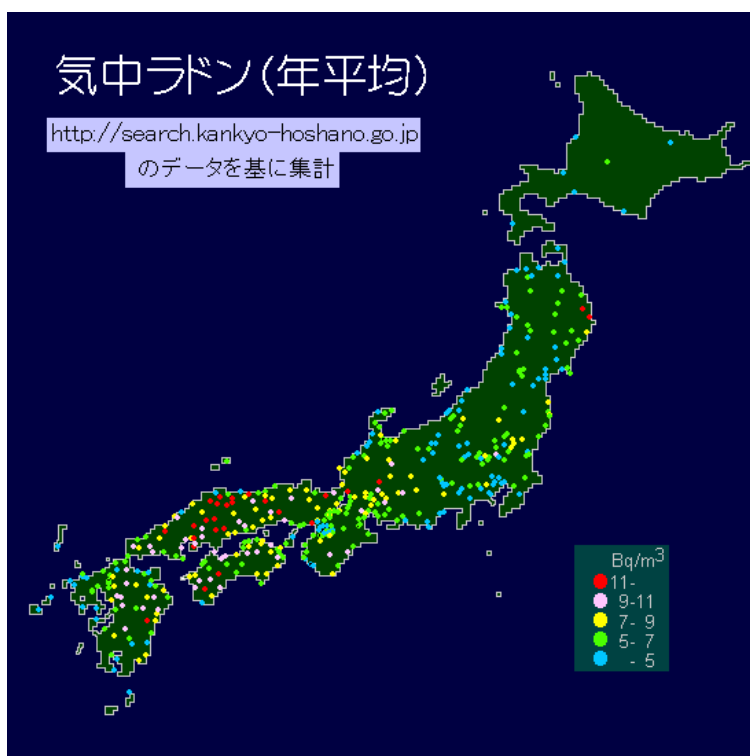
:Beck,H.L. (1974) Gamma radiation from radon daughters in the atmosphere, *J. Geophys. Res.*, **79**: 2215-2221.

気中ラドンによるγ線量率 Gamma ray dose rates due to atmospheric radon

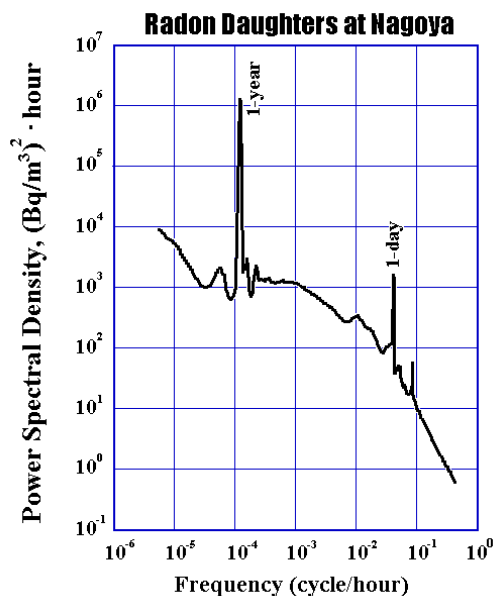


Beck, H.L. (1974) Gamma radiation from radon daughters in the atmosphere, *J. Geophys. Res.*, **79**: 2215-2221.

日本の年平均ラドン濃度 Annual mean radon concentration in Japan



ラドン娘のパワースペクトル Power spectrum of radon daughters



ラドンと降水放射能 Radon and rainout radioactivity

Model calculated rainfall rate dependence of specific activity of rainwater at ground level per 1 Bq/m³ of ²²²Rn in cloud air (Minato, S. (2007) A simple rainout model for radon daughters, Journal of Nuclear and Radiochemical Sciences, 8: N1-N3.)

Rainfall rate /mm h ⁻¹	RaB+RaC /Bq mL ⁻¹		
	Winter	Summer	Whole
0.1	6.49	11.4	9.45
0.2	5.50	9.93	8.16
0.3	4.83	8.90	7.26
0.5	3.94	7.45	6.01
0.8	3.12	6.04	4.82
1	2.74	5.38	4.28
2	1.73	3.52	2.75
3	1.26	2.63	2.04
5	0.817	1.76	1.35
8	0.533	1.18	0.892
10	0.432	0.967	0.728
20	0.220	0.512	0.379
30	0.146	0.349	0.256
50	0.0871	0.213	0.155
70	0.0617	0.154	0.111

Conditions; average cloud droplet radius=11μm, cloud base height=2 km, and cloud top height= 5, 10 and 7.5 km for winter, summer, and whole year, respectively