

Readings of Helicopter Monitoring at Monitoring Post out of 30 km Zone
of Fukushima Dai-ichi NPP

April 13, 2011

Ministry of Education, Culture, Sports, Science and Technology (MEXT)

1 . Measurement environment

Time and Date : April 12th 10:14 to April 12th 15:53

Weather: Fair、Northwesterly wind

Flight condition : Average Flight Altitude during monitoring 150 ~ 300m

Average Flight Speed 100 ~ 120Km/h

2 . Readings at Monitoring Post out of 30 Km Zone of Fukushima Dai-ichi NPP

Main Reading Point	City	Latitude longitude	Altitude above sea level [above ground level.] (m)	Monitoring Time	Readings(μ Sv/h)
【 1 】	Ootawara City (Tochigi Prefecture)	36 ° 50.1 ´ N 140 ° 00.5 ´ E	388 [192]	10:59	0.0610
【 2 】	Nasushiobara City (Tochigi Prefecture)	36 ° 58.8 ´ N 140 ° 14.0 ´ E	623 [151]	11:07	0.0865
【 3 】	Miharu Town (Fukushima Prefecture)	37 ° 24.4 ´ N 140 ° 29.4 ´ E	573 [248]	12:52	0.0469
【 4 】	Kawamata Town (Fukushima Prefecture)	37 ° 35.5 ´ N 140 ° 38.8 ´ E	799 [231]	13:02	0.187
【 5 】	Iitate Village (Fukushima Prefecture)	37 ° 41.8 ´ N 140 ° 46.0 ´ E	660 [143]	13:08	0.506
【 6 】	Souma City(Fukushima Prefecture)	37 ° 46.6 ´ N 140 ° 48.9 ´ E	526 [326]	13:15	0.0603
【 7 】	Date City (Fukushima Prefecture)	37 ° 46.4 ´ N 140 ° 36.6 ´ E	364 [237]	13:24	0.109
【 8 】	Motomiya City (Fukushima Prefecture)	37 ° 29.8 ´ N 140 ° 28.4 ´ E	579 [296]	13:37	0.0932
【 9 】	Sukagawa City	37 ° 17.2 ´ N	528	13:46	0.0449

	(Fukushima Prefecture)	140 ° 22.8 ´ E	[268]		
【 1 0 】	Iwaki City(Fukushima Prefecture)	37 ° 03.3 ´ N 140 ° 53.2 ´ E	244 [225]	14:07	0.0657
【 1 1 】	Hitachi City(Ibaraki Prefecture)	36 ° 36.4 ´ N 140 ° 39.8 ´ E	577 [503]	15:14	0.0261
【 1 2 】	Hitachinaka City (Ibaraki Prefecture)	36 ° 23.9 ´ N 140 ° 30.2 ´ E	589 [563]	15:21	0.0335

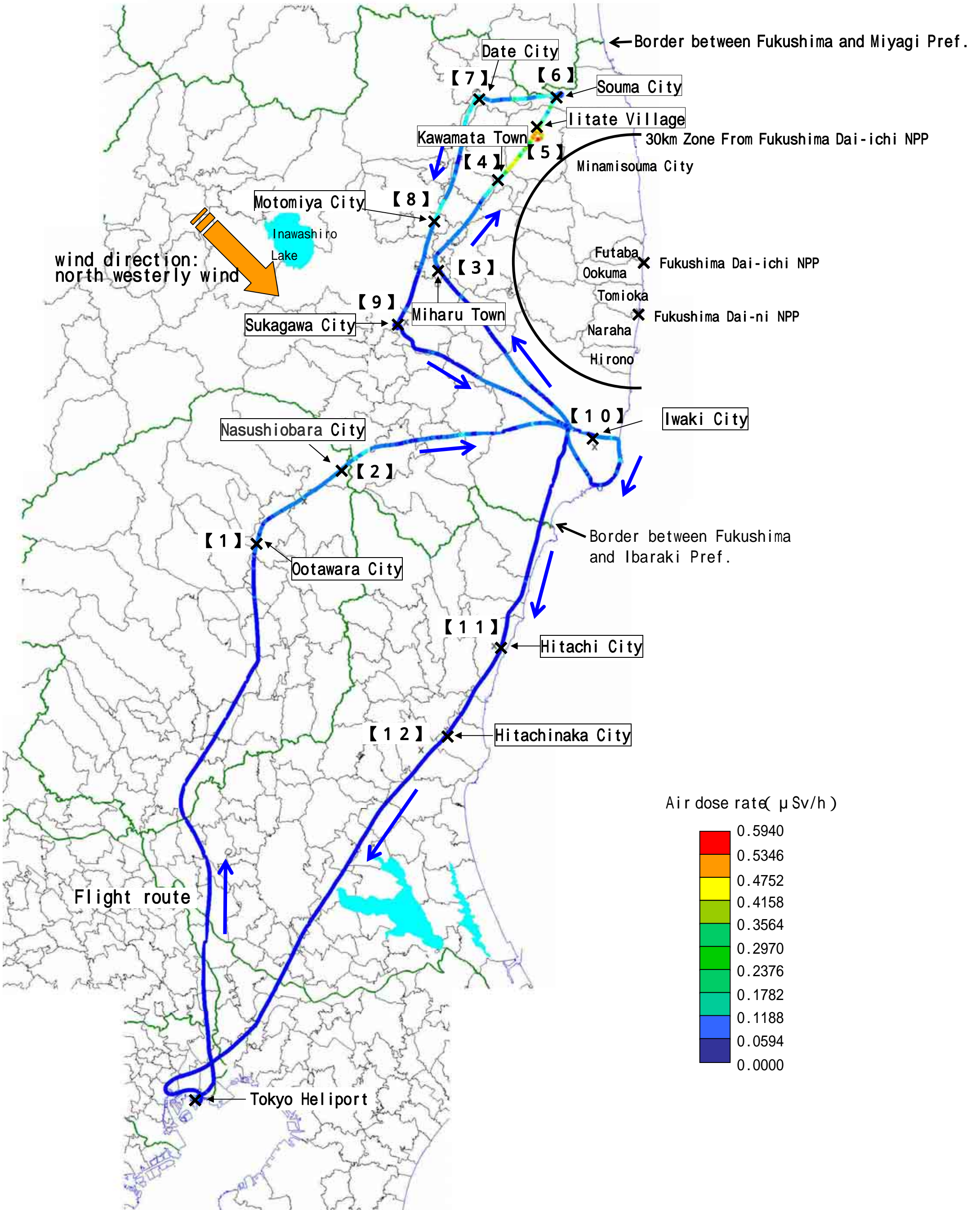
1 : Route of Flight

Tokyo Heliport Ootawara City Nasushiobara City Iwaki City (Taira Shin-nihon Heliport) Miharu Town Kawamata Town Iitate Village Souma City Date City Motomiya City Sukagawa City Iwate City(Taira Shin-nihon Heliport) Hitachi City Hitachinaka City Tokyo Heliport

2 : Reading in the sky above Fukushima Pref. during comprehensive disaster-preparedness drill conducted by Fukushima Pref. in 2008 is 0.01 ~ 0.03 μ Sv/h (measured on October 22, 2008)

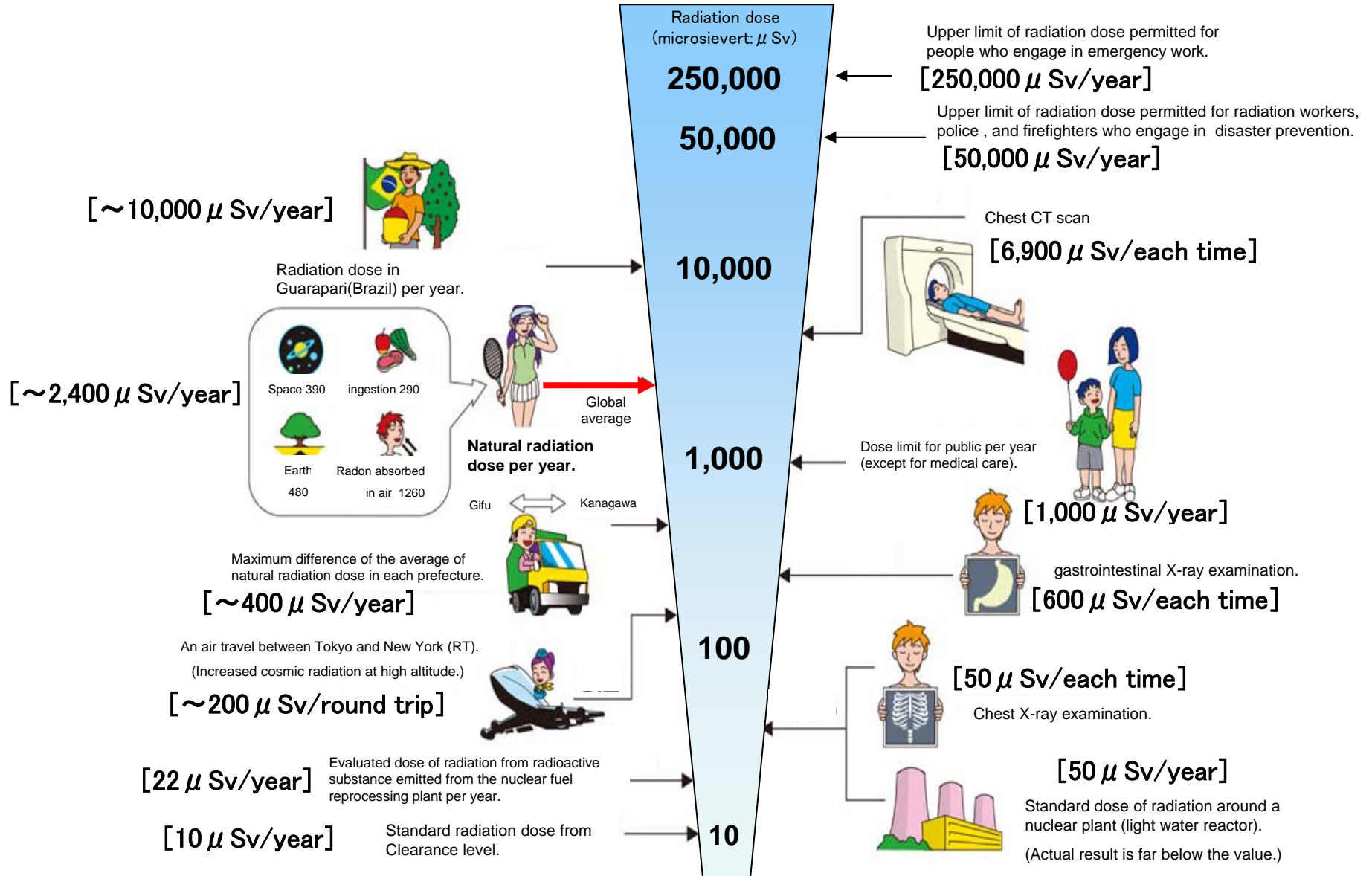
Flight route of helicopter monitoring on April 12, out of Fukushima Dai-ichi NPP

(【 1 】 ~ 【 1 2 】: Major Monitoring Point)



Radiation in Daily-life

※Unit : μSv



※ Sv [Sievert] = Constant of organism effect by kind of radiation (※) × Gy [gray]

※ It is 1 in case of X ray and γ ray.