

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

April 17, 2011

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

1 . Measurement environment

Time and Date : from April 16th 9:28 to April 16th 15:45

Weather: Cloudy after Rain, AM southerly wind PM westerly wind

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

Average Flight Speed 130 ~ 150Km/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( $\mu$ Sv/h )
【 1 】	Haga Town (Tochigi Prefecture)	36 ° 33.2 ´ N 140 ° 1.9 ´ E	434 [330]	9:57	0.0335
【 2 】	Nasushiobatra City (Tochigi Prefecture)	36 ° 55.7 ´ N 140 ° 1.9 ´ E	659 [390]	10:09	0.0429
【 3 】	Tanagura Town (Fukushima Prefecture)	36 ° 57.9 ´ N 140 ° 18.5 ´ E	943 [328]	10:17	0.0483
【 4 】	Iwaki City (Fukushima Prefecture)	37 ° 4.1 ´ N 140 ° 48.5 ´ E	445 [314]	11:12	0.0382
【 5 】	Koriyama City (Fukushima Prefecture)	37 ° 25.0 ´ N 140 ° 22.7 ´ E	654 [414]	11:41	0.0657
【 6 】	Iitate Village (Fukushima Prefecture)	37 ° 39.0 ´ N 140 ° 41.0 ´ E	965 [171]	11:58	0.4100
【 7 】	Souma City (Fukushima Prefecture)	37 ° 47.2 ´ N 140 ° 55.4 ´ E	350 [341]	12:10	0.0503
【 8 】	Date City(Fukushima Prefecture)	37 ° 47.6 ´ N 140 ° 37.6 ´ E	464 [375]	12:25	0.0637

【 9 】	Fukushima City (Fukushima Prefecture)	37 ° 46.0 ´ N 140 ° 30.4 ´ E	506 [412]	12:30	0.0637
【 1 0 】	Nihonmatsu City (Fukushima Prefecture)	37 ° 34.6 ´ N 140 ° 26.5 ´ E	618 [393]	12:40	0.0630
【 1 1 】	Kitaibaraki City (Ibaraki Prefecture)	36 ° 47.2 ´ N 140 ° 44.9 ´ E	543 [538]	14:54	0.0429
【 1 2 】	Mito City (Ibaraki Prefecture)	36 ° 25.2 ´ N 140 ° 26.4 ´ E	411 [400]	15:10	0.0382

1 : Route of Flight

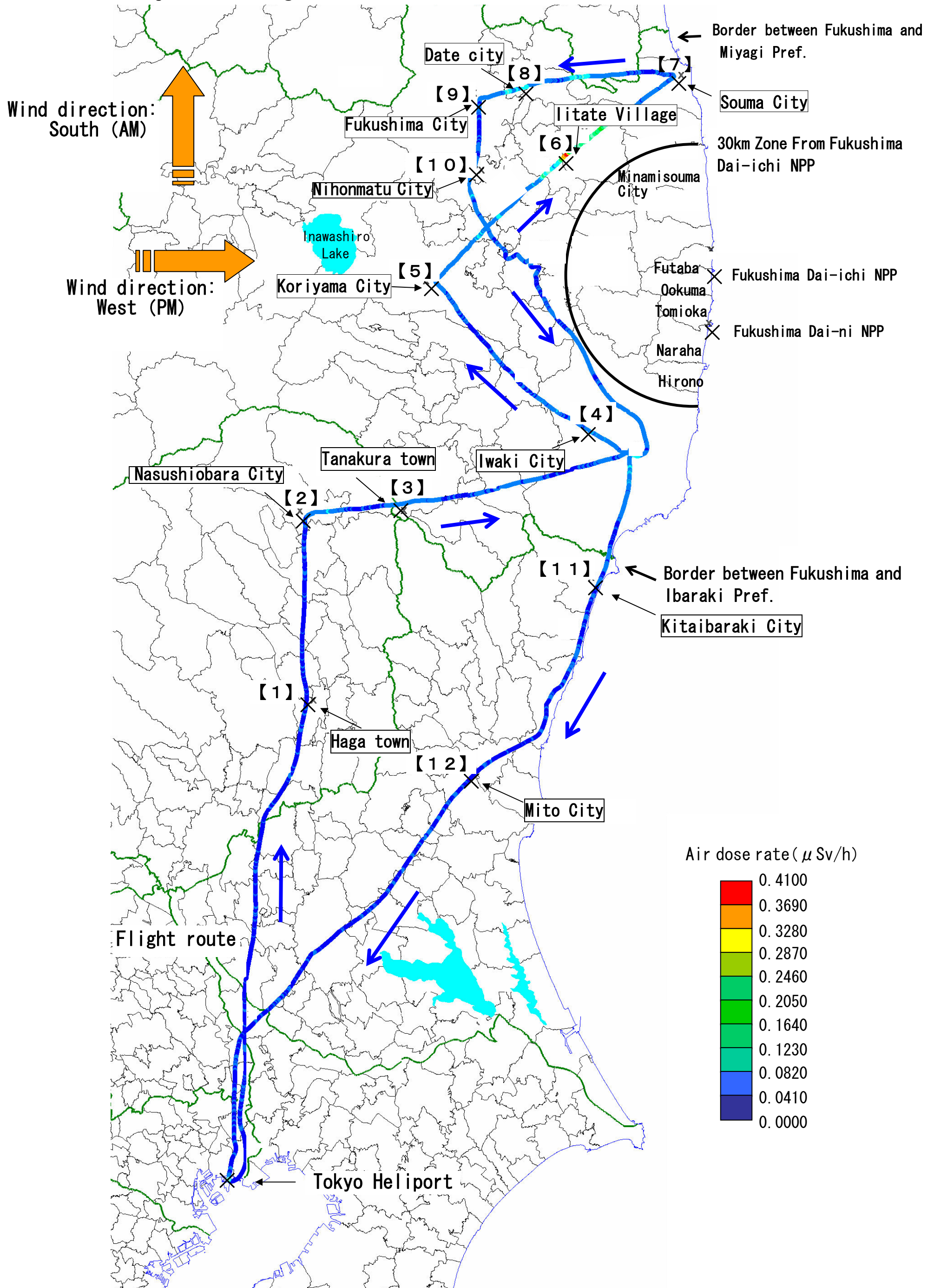
Tokyo heliport Haga Town Nasushiobara City Tanagura Town Iwaki City  
(Taira Shin-nihon Heliport) Koriyama City Iitate Village Souma City  
Date City Fukushima City Nihonmatsu City Iwaki City (Taira Shin-nihon  
Heliport) Kitaibaraki City Mito City Tokyo heliport

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

(reference)

### Flight route of helicopter monitoring on April 16, out of Fukushima Dai-ichi NPP

(【1】 ~ 【12】 : Major Monitoring Point)



# Radiation in Daily-life

※Unit :  $\mu\text{Sv}$



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

※ It is 1 in case of X ray and  $\gamma$  ray.