

Readings at Monitoring Post out of 20 Km Zone of Fukushima Dai-ichi NPP

As of 10:00 March 21, 2011
Ministry of Education, Culture, Sports, Science and
Technology (MEXT)

1. Monitoring Outputs by MEXT

***Boldface and underlined readings are new.**
***Readings by the police (counter NBC operations unit) were added from March 20.**

* 1 measured by Geiger-Müller counter
* 2 measured by ionization chamber type survey meter
* 3 measured by NaI scintillator detector

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : μ Sv / h)	Weather	Reading by
Reading Point <u>【1】</u> (about 60Km Northwest)	2011/3/20 17:30	6.0 *2	No rain	MEXT
Reading Point <u>【1】</u> (about 60Km Northwest)	2011/3/20 9:10	5.0 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point <u>【2】</u> (about 55Km Northwest)	2011/3/20 15:06	12.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point <u>【2】</u> (about 55Km Northwest)	2011/3/20 9:55	9.3 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point <u>【3】</u> (about 45Km Northwest)	2011/3/20 14:36	14.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point <u>【3】</u> (about 45Km Northwest)	2011/3/20 10:27	11.7 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point <u>【4】</u> (about 50Km Northwest)	2011/3/20 15:44	6.7 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point <u>【4】</u> (about 50Km Northwest)	2011/3/20 10:33	5.3 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point <u>【5】</u> (about 45Km North)	2021/3/20 13:02	1.2 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point <u>【5】</u> (about 45Km North)	2011/3/20 12:19	1.2 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point <u>【5】</u> (about 45Km North)	2011/3/20 11:03	1.2 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point <u>【6】</u> (about 45Km North)	2011/3/20 13:18	2.7 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point <u>【6】</u> (about 45Km North)	2011/3/20 12:34	2.8 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point <u>【6】</u> (about 45Km North)	2011/3/20 11:26	2.5 *2	No rain	JAEA (Japan Atomic Energy Agency)

* 1 measured by Geiger-Müller counter
 * 2 measured by ionization chamber type survey meter
 * 3 measured by NaI scintillator detector

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$)	Weather	Reading by
Reading Point 【7】 (about 45Km North)	2011/3/20 13:24	2.2 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【7】 (about 45Km North)	2011/3/20 12:38	2.6 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【7】 (about 45Km North)	2011/3/20 11:35	2.0 *2	No rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【9】 (about 45Km North)	2011/3/20 17:31	2.5 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【10】 (about 40Km Northwest)	2011/3/20 15:20	5.0 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【10】 (about 40Km Northwest)	2011/3/20 10:55	5.2 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【11】 (about 40Km Northwest)	2011/3/20 15:10	5.2 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【11】 (about 40Km Northwest)	2011/3/20 11:05	5.1 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【12】 (about 40Km West)	2011/3/20 17:02	0.6 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【12】 (about 40Km West)	2011/3/20 11:38	0.7 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【13】 (about 40Km West)	2011/3/20 13:56	1.1 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【13】 (about 40Km West)	2011/3/20 12:56	1.0 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【13】 (about 40Km West)	2011/3/20 11:56	0.9 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【14】 (about 35Km West)	2011/3/20 14:04	0.8 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【14】 (about 35Km West)	2011/3/20 13:04	0.9 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【14】 (about 35Km West)	2011/3/20 12:04	0.7 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【15】 (about 35Km West)	2011/3/20 14:13	3.2 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【15】 (about 35Km West)	2011/3/20 13:13	3.8 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【15】 (about 35Km West)	2011/3/20 12:13	3.7 *2	No rain	NUSTEC (Nuclear Safety Technology Center)

- * 1 measured by Geiger-Müller counter
- * 2 measured by ionization chamber type survey meter
- * 3 measured by NaI scintillator detector

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : μ Sv / h)	Weather	Reading by
Reading Point 【20】 (about 45Km Northwest)	2011/3/20 11:30	2.6 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【21】 (about 30Km West-northwest)	2011/3/20 14:16	13.7 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【21】 (about 30Km West-northwest)	2011/3/20 13:16	12.7 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【21】 (about 30Km West-northwest)	2011/3/20 12:16	12.1 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【22】 (about 35Km West-northwest)	2011/3/20 13:58	3.9 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【22】 (about 35Km West-northwest)	2011/3/20 12:58	4.3 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【22】 (about 35Km West-northwest)	2011/3/20 11:58	4.0 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【23】 (about 35Km West-northwest)	2011/3/20 13:43	4.4 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【23】 (about 35Km West-northwest)	2011/3/20 12:43	3.0 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【23】 (about 35Km West-northwest)	2011/3/20 11:43	2.8 *2	No rain	NUSTEC (Nuclear Safety Technology Center)
Reading Point 【31】 (about 30Km West-northwest)	2011/3/20 14:15	45.0 *2	No rain	MEXT
Reading Point 【31】 (about 30Km West-northwest)	2011/3/20 13:13	45.0 *2	No rain	MEXT
Reading Point 【31】 (about 30Km West-northwest)	2011/3/20 11:48	45.0 *2	No rain	MEXT
Reading Point 【32】 (about 30Km Northwest)	2011/3/20 15:03	105.0 *2	No rain	MEXT
Reading Point 【32】 (about 30Km Northwest)	2011/3/20 14:03	110.0 *2	No rain	MEXT
Reading Point 【32】 (about 30Km Northwest)	2011/3/20 13:03	110.0 *2	No rain	MEXT
Reading Point 【33】 (about 30Km Northwest)	2011/3/20 14:35	60.0 *2	No rain	MEXT
Reading Point 【33】 (about 30Km Northwest)	2011/3/20 13:25	55.0 *2	No rain	MEXT
Reading Point 【33】 (about 30Km Northwest)	2011/3/20 12:25	55.0 *2	No rain	MEXT

- * 1 measured by Geiger-Müller counter
- * 2 measured by ionization chamber type survey meter
- * 3 measured by NaI scintillator detector

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : μ Sv / h)	Weather	Reading by
Reading Point 【34】 (about 30Km Northwest)	2011/3/20 15:56	25.0 *2	No rain	MEXT
Reading Point 【35】 (about 30Km South)	2011/3/20 15:32	3.5 *2	No rain	MEXT
Reading Point 【36】 (about 40Km Northwest)	2011/3/20 16:20	16.0 *2	No rain	MEXT
Reading Point 【36】 (about 40Km Northwest)	2011/3/20 11:20	15.5 *2	No rain	MEXT
<u>Reading Point 【41】 (about 20Km West)</u>	<u>2011/3/20 15:38</u>	<u>3.8 *2</u>	<u>No rain</u>	<u>Kansai Electric Power Co., Inc.</u>
<u>Reading Point 【41】 (about 20Km West)</u>	<u>2011/3/20 11:37</u>	<u>5.2 *2</u>	<u>No rain</u>	<u>Kansai Electric Power Co., Inc.</u>
<u>Reading Point 【42】 (about 30Km West)</u>	<u>2011/3/20 15:25</u>	<u>2.9 *2</u>	<u>No rain</u>	<u>Kansai Electric Power Co., Inc.</u>
<u>Reading Point 【42】 (about 30Km West)</u>	<u>2011/3/20 11:10</u>	<u>7.0 *2</u>	<u>No rain</u>	<u>Kansai Electric Power Co., Inc.</u>
<u>Reading Point 【43】 (about 20Km SouthWest)</u>	<u>2011/3/20 15:00</u>	<u>1.4 *2</u>	<u>No rain</u>	<u>JNFL(Japan Nuclear Fuel Ltd.)</u>
<u>Reading Point 【43】 (about 20Km SouthWest)</u>	<u>2011/3/20 11:00</u>	<u>1.5 *2</u>	<u>No rain</u>	<u>JNFL(Japan Nuclear Fuel Ltd.)</u>
<u>Reading Point 【44】 (about 30Km South)</u>	<u>2011/3/20 14:30</u>	<u>4.3 *2</u>	<u>No rain</u>	<u>Shikoku Electric Power Co., Inc.</u>
<u>Reading Point 【44】 (about 30Km South)</u>	<u>2011/3/20 10:49</u>	<u>3.4 *2</u>	<u>No rain</u>	<u>Shikoku Electric Power Co., Inc.</u>
<u>Reading Point 【45】 (about 20Km South)</u>	<u>2011/3/20 15:00</u>	<u>2.3 *2</u>	<u>No rain</u>	<u>Kyushu Electric Power Co., Inc.</u>
<u>Reading Point 【45】 (about 20Km South)</u>	<u>2011/3/20 10:25</u>	<u>2.3 *2</u>	<u>No rain</u>	<u>Kyushu Electric Power Co., Inc.</u>
<u>Reading Point 【46】 (about 20Km Northwest)</u>	<u>2011/3/20 14:45</u>	<u>29.0 *2</u>	<u>No rain</u>	<u>Chubu Electric Power Co., Inc.</u>

- * 1 measured by Geiger-Müller counter
 * 2 measured by ionization chamber type survey meter
 * 3 measured by NaI scintillator detector

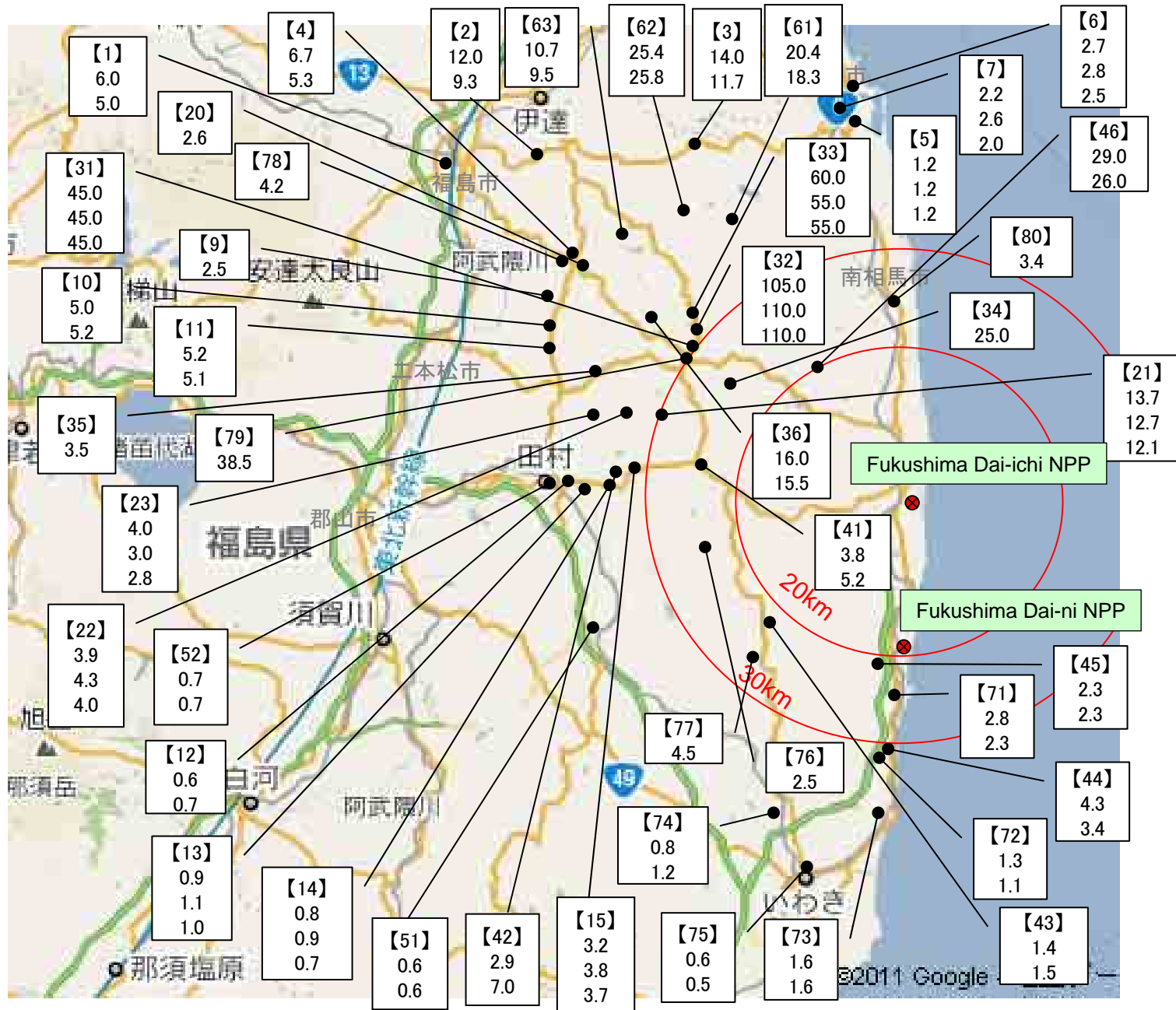
Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : μ Sv / h)	Weather	Reading by
Reading Point 【46】 (about 20Km Northwest)	2011/3/20 11:20	26.0 *2	No rain	Chubu Electric Power Co., Inc.
Reading Point 【51】 (about 40Km SouthWest)	2011/3/20 16:45	0.6 *3	No rain	Fukushima Prefecture
Reading Point 【51】 (about 40Km SouthWest)	2011/3/20 13:50	0.6 *3	No rain	Fukushima Prefecture
Reading Point 【52】 (about 40Km West)	2011/3/20 17:12	0.7 *3	No rain	Fukushima Prefecture
Reading Point 【52】 (about 40Km West)	2011/3/20 12:40	0.7 *3	No rain	Fukushima Prefecture
Reading Point 【61】 (about 40Km Northwest)	2011/3/20 15:48	20.4 *3	No rain	Fukushima Prefecture
Reading Point 【61】 (about 40Km Northwest)	2011/3/20 13:55	18.3 *3	No rain	Fukushima Prefecture
Reading Point 【62】 (about 40Km Northwest)	2011/3/20 15:59	25.4 *3	No rain	Fukushima Prefecture
Reading Point 【62】 (about 40Km Northwest)	2011/3/20 13:00	25.8 *3	No rain	Fukushima Prefecture
Reading Point 【63】 (about 45Km Northwest)	2011/3/20 16:13	10.7 *3	No rain	Fukushima Prefecture
Reading Point 【63】 (about 45Km Northwest)	2011/3/20 12:24	9.5 *3	No rain	Fukushima Prefecture
Reading Point 【71】 (about 25Km South)	2011/3/20 15:43	2.8 *2	No rain	Police (counter NBC operations unit)
Reading Point 【71】 (about 25Km South)	2011/3/20 9:22	2.3 *2	No rain	Police (counter NBC operations unit)
Reading Point 【72】 (about 30Km South)	2011/3/20 15:31	1.3 *2	No rain	Police (counter NBC operations unit)
Reading Point 【72】 (about 30Km South)	2011/3/20 9:07	1.1 *2	No rain	Police (counter NBC operations unit)
Reading Point 【73】 (about 35Km South)	2011/3/20 15:08	1.6 *2	No rain	Police(counter NBC operations unit)
Reading Point 【73】 (about 35Km South)	2011/3/20 8:56	1.6 *2	No rain	Police (counter NBC operations unit)
Reading Point 【74】 (about 35Km South)	2011/3/20 16:41	0.8 *2	No rain	Police (counter NBC operations unit)
Reading Point 【74】 (about 35Km South)	2011/3/20 10:46	1.2 *2	No rain	Police (counter NBC operations unit)

- * 1 measured by Geiger-Müller counter
- * 2 measured by ionization chamber type survey meter
- * 3 measured by NaI scintillator detector

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$)	Weather	Reading by
Reading Point 【75】 (about 45Km South)	2011/3/20 14:36	0.5 *2	No rain	Police (counter NBC operations unit)
Reading Point 【75】 (about 45Km South)	2011/3/20 8:28	0.3 *2	No rain	Police (counter NBC operations unit)
Reading Point 【76】 (about 25Km SouthWest)	2011/3/20 15:05	2.5 *2	No rain	Police (counter NBC operations unit)
Reading Point 【77】 (about 25Km SouthWest)	2011/3/20 11:35	4.5 *2	No rain	Police (counter NBC operations unit)
Reading Point 【78】 (about 45Km Northwest)	2011/3/20 9:00	4.2 *2	No rain	Police (counter NBC operations unit)
Reading Point 【79】 (about 40Km Northwest)	2011/3/20 13:55	38.5 *2	No rain	Police (counter NBC operations unit)
Reading Point 【80】 (about 25Km North)	2011/3/20 10:45	3.4 *2	No rain	Police (counter NBC operations unit)

2. Under construction, Reading by Ministry of Defense

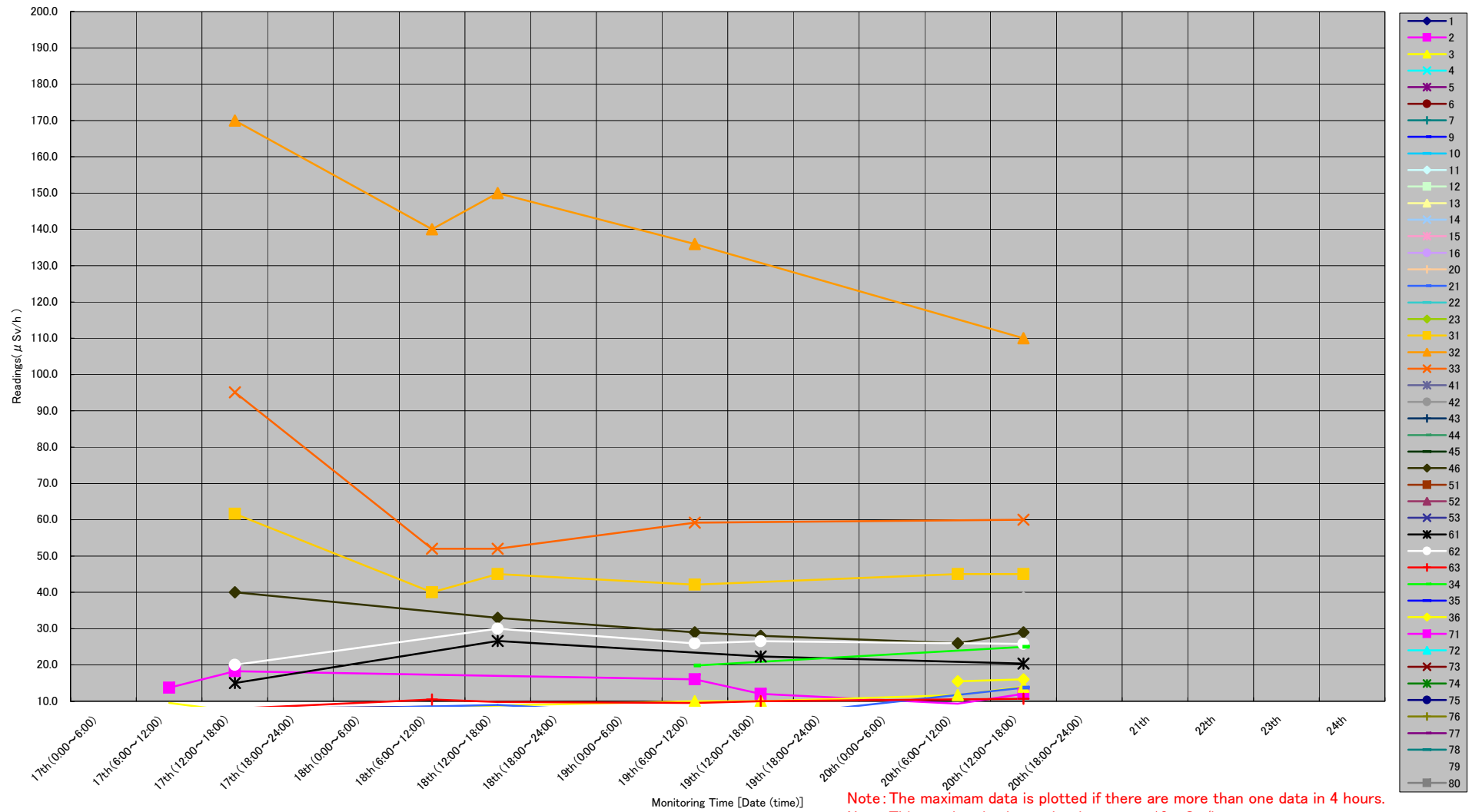
Readings at Monitoring Post out of Fukushima Dai-ichi NPP



Monitoring Time
 March 20,
 8:28~17:31
 ● Monitoring Post

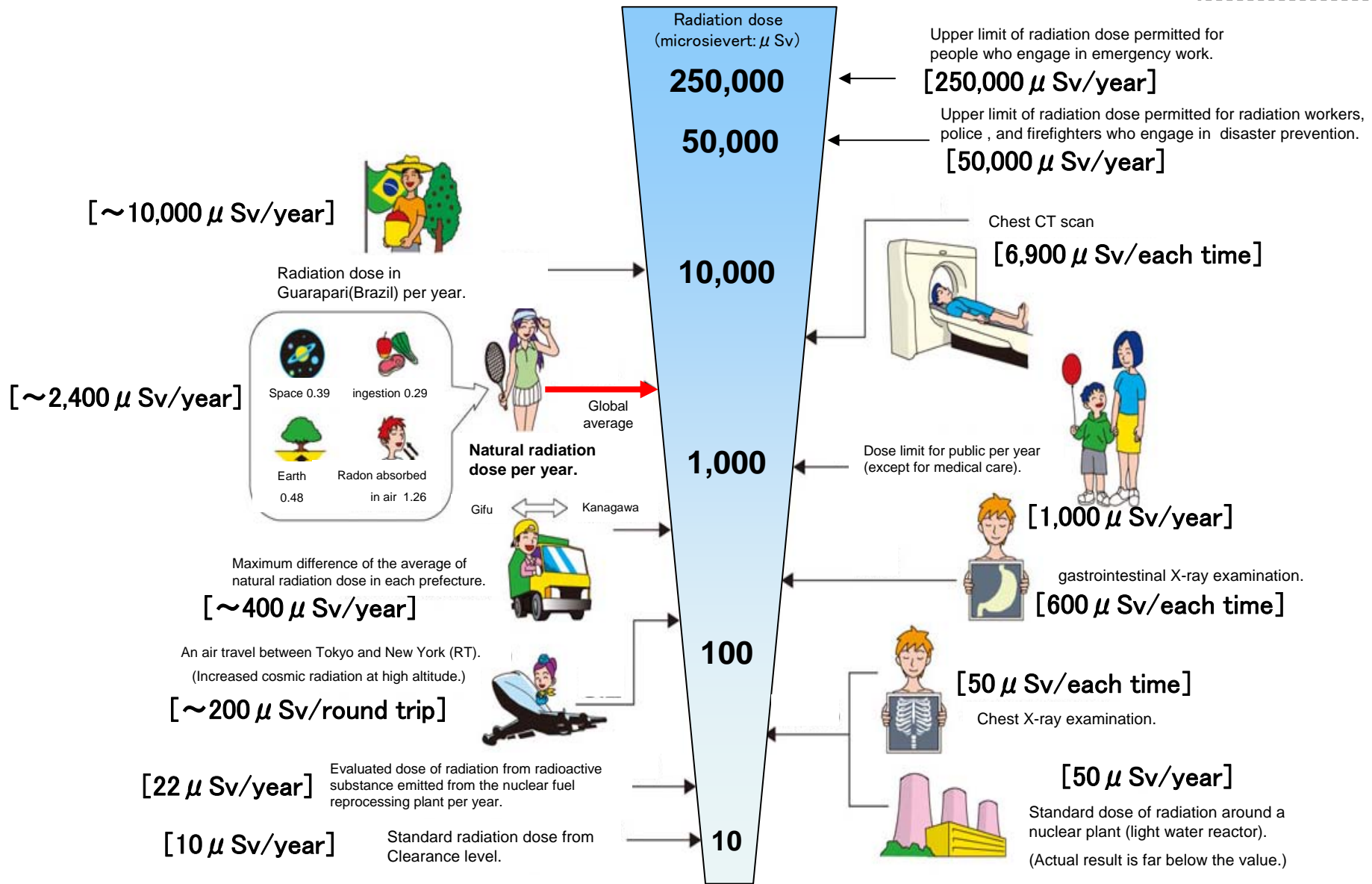
Unit: μ Sv per hour

Transition of readings at Monitoring Post out of Fukushima Dai-ichi NPP



Radiation in Daily-life

※Unit : μSv



(Ref) Average dose rate at the monitoring post of Tokyo (3/17 9:00~3/18 9:00, March) : $0.050 \mu\text{Sv}/\text{h} = 438 \mu\text{Sv}/\text{y}$