

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

As of 10:00 April 22, 2011  
Ministry of Education, Culture, Sports, Science and Technology (MEXT)

## Monitoring Outputs by MEXT

\*Boldface and underlined readings are new.

- \* 1 measured by Geiger-Müller counter
- \* 2 measured by ionization chamber type survey meter
- \* 3 measured by NaI scintillator detector
- \* 4 variation range of the measuring data in measuring time

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$ )	Weather	Reading by
Reading Point [1] Fukushima city Sugitsuma town (About60kmNorth/West)	2011/4/21 14:49	1.8 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [1] Fukushima city Sugitsuma town (About60kmNorth/West)	2011/4/21 8:29	0.9 * <sup>2</sup>	No Rain	MEXT
Reading Point [2] Fukushima city Onami Takinoiri (About55kmNorth/West)	2011/4/21 9:04	1.7 * <sup>2</sup>	No Rain	MEXT
Reading Point [3] Date city Ryozen town Ishida Hikohei (About45kmNorth/West)	2011/4/21 10:10	2.9 * <sup>2</sup>	No Rain	MEXT
Reading Point [4] Date county Kawamata town oaza Tsurusawa aza Kawabata (About50kmNorth/West)	2011/4/21 13:58	1.5 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [5] Soma city Nakanoteramae (About45kmNorth)	2011/4/21 10:56	0.4 * <sup>2</sup>	No Rain	MEXT
Reading Point [6] Minami Soma city Kashima ward Nishimachi (About35kmNorth)	2011/4/21 11:19	1.0 * <sup>2</sup>	No Rain	MEXT
Reading Point [7] Minami Soma city Kashima ward Terauchi Motoyashiki (About35kmNorth)	2011/4/21 11:30	0.6 * <sup>2</sup>	No Rain	MEXT
Reading Point [10] Nihonmatsu city Harimichi Nakajima (About40kmNorth/West)	2011/4/21 13:06	0.8 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [11] Nihonmatsu city Ota aza Shimoda (About40kmNorth/West)	2011/4/21 12:55	0.9 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [12] Tamura city Funehiki town Funehiki aza Ozawakawashiro (About40kmWest)	2011/4/21 12:03	0.1 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [13] Tamura city Tokiwa town Nishimuki Yakata (About40kmWest)	2011/4/21 11:51	0.1 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [14] Tamura city Tokiwa town Tokiwa Uchimachi (About35kmWest)	2011/4/21 11:40	0.6 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [15] Tamura city Tokiwa town Yamane Kashima (About35kmWest)	2011/4/21 11:21	0.4 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [20] Tamura city Funehiki town Niitate shimo (About45kmNorth/West)	2011/4/21 13:22	1.2 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [21] Futaba County Katsurao Village Kaminogawa (About30kmWest/North/West)	2011/4/21 12:39	3.2 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [22] Tamura city Funehiki town Kamiutsushi Ushirota (About35kmWest/North/West)	2011/4/21 12:56	0.2 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [23] Tamura city Funehiki town Minamiusushi Suichu-uchi (About35kmWest/North/West)	2011/4/21 13:06	0.5 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [31] Futaba county Namie town Tsushima Nakaoki (About30kmWest/North/West)	2011/4/21 9:51	10.5 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [32] Futaba county Namie town Akougi Teshichiro (About30kmNorth/West)	2011/4/21 10:16	24.0 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [33] Soma county Iitate village Nagadoro (About30kmNorth/West)	2011/4/21 10:37	13.5 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [34] Futaba county Namie town Tsushima Taikougi (About30kmNorth/West)	2011/4/21 11:46	5.0 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [36] Date county Kawamata town Yamakiya Oonukari (About40kmNorth/West)	2011/4/21 9:29	3.4 * <sup>2</sup>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point [37] Date city Ryozen town Ishida Hojizawa (About50kmNorth/West)	2011/4/21 9:59	3.8 * <sup>2</sup>	No Rain	MEXT
Reading Point [38] Iwaki City Yotsukura town Shiraiwa Hokita (About35kmSouth)	2011/4/21 11:44	1.0 * <sup>2</sup>	No Rain	MEXT
Reading Point [39] Soma city Yamakami Kaminamiki (About45kmNorth)	2011/4/21 10:33	0.6 * <sup>2</sup>	No Rain	MEXT
<b>Reading Point [41] <u>Tamura City Miyakoji town Hurumichi</u> <u>(About20kmWest)</u></b>	<b>2011/4/21 13:05</b>	<b>0.6 *<sup>2</sup></b>	<b>No Rain</b>	<b>Electric power company</b>
<b>Reading Point [41] <u>Tamura City Miyakoji town Hurumichi</u> <u>(About20kmWest)</u></b>	<b>2011/4/21 9:35</b>	<b>0.6 *<sup>2</sup></b>	<b>No Rain</b>	<b>Electric power company</b>
<b>Reading Point [42] <u>Tamura city Tokiwa town Yamane</u> <u>Tomioka</u> <u>(About30kmWest)</u></b>	<b>2011/4/21 13:00</b>	<b>0.8 *<sup>2</sup></b>	<b>No Rain</b>	<b>Electric power company</b>
<b>Reading Point [42] <u>Tamura city Tokiwa town Yamane</u> <u>Tomioka</u> <u>(About30kmWest)</u></b>	<b>2011/4/21 9:50</b>	<b>0.7 *<sup>2</sup></b>	<b>No Rain</b>	<b>Electric power company</b>

- \* 1 measured by Geiger-Müller counter
- \* 2 measured by ionization chamber type survey meter
- \* 3 measured by NaI scintillator detector
- \* 4 variation range of the measuring data in measuring time

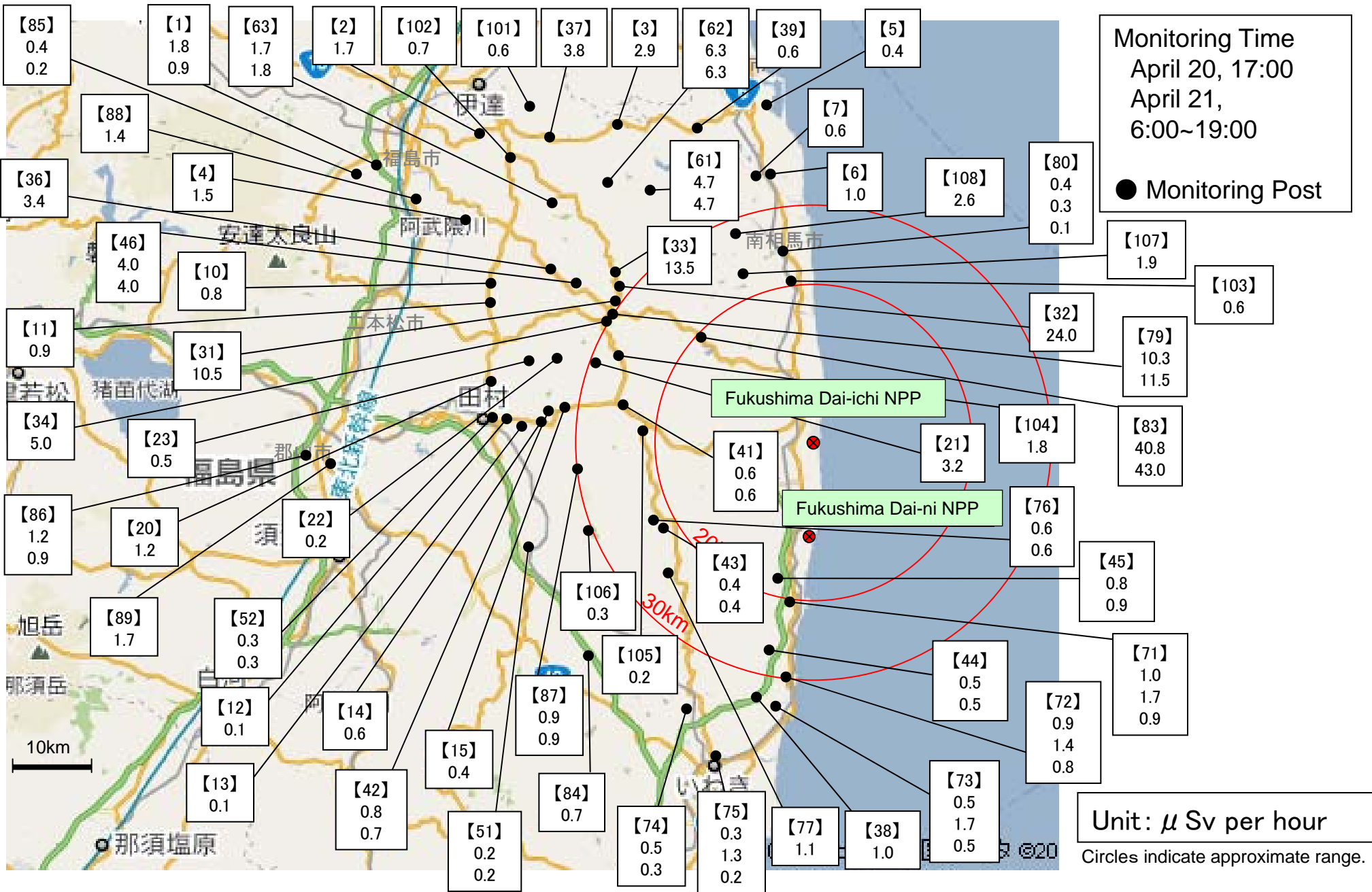
Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$ )	Weather	Reading by
Reading Point [43] <u>Futaba county Kawauchi village Shimokawauchi Miyawata (About20kmSouth/West)</u>	2011/4/21 15:00	0.4 * <sup>2</sup>	No Rain	Electric power company
Reading Point [43] <u>Futaba county Kawauchi village Shimokawauchi Miyawata (About20kmSouth/West)</u>	2011/4/21 11:00	0.4 * <sup>2</sup>	No Rain	Electric power company
Reading Point [44] <u>Iwaki city Ohisa town Ohisa Yanomezawa (About30kmSouth)</u>	2011/4/21 13:00	0.5 * <sup>2</sup>	No Rain	Electric power company
Reading Point [44] <u>Iwaki city Ohisa town Ohisa Yanomezawa (About30kmSouth)</u>	2011/4/21 10:00	0.5 * <sup>2</sup>	No Rain	Electric power company
Reading Point [45] <u>Futaba county Naraha town Yamadaoka Utsukushimori (About20kmSouth)</u>	2011/4/21 13:27	0.8 * <sup>2</sup>	No Rain	Electric power company
Reading Point [45] <u>Futaba county Naraha town Yamadaoka Utsukushimori (About20kmSouth)</u>	2011/4/21 9:54	0.9 * <sup>2</sup>	No Rain	Electric power company
Reading Point [46] <u>Date county Kawamata town Yamakiya Mukaideyama (About30kmNorth/West)</u>	2011/4/21 13:15	4.0 * <sup>2</sup>	No Rain	Electric power company
Reading Point [46] <u>Date county Kawamata town Yamakiya Mukaideyama (About30kmNorth/West)</u>	2011/4/21 10:10	4.0 * <sup>2</sup>	No Rain	Electric power company
Reading Point [51] <u>Tamura county Ono town Ononimachi Tatemawari (About40kmSouth/West)</u>	2011/4/21 13:56	0.2 * <sup>3</sup>	No Rain	Fukushima Prefecture
Reading Point [51] <u>Tamura county Ono town Ononimachi Tatemawari (About40kmSouth/West)</u>	2011/4/21 10:39	0.2 * <sup>3</sup>	No Rain	Fukushima Prefecture
Reading Point [52] <u>Tamura city Funehiki town funehiki Babakawara (About40kmWest)</u>	2011/4/21 14:31	0.3 * <sup>3</sup>	No Rain	Fukushima Prefecture
Reading Point [52] <u>Tamura city Funehiki town funehiki Babakawara (About40kmWest)</u>	2011/4/21 11:34	0.3 * <sup>3</sup>	No Rain	Fukushima Prefecture
Reading Point [61] <u>Soma county Iidate village Yagisawa (About40kmNorth/West)</u>	2011/4/21 13:42	4.7 * <sup>3</sup>	No Rain	Fukushima Prefecture
Reading Point [61] <u>Soma county Iidate village Yagisawa (About40kmNorth/West)</u>	2011/4/21 11:59	4.7 * <sup>3</sup>	No Rain	Fukushima Prefecture
Reading Point [62] <u>Soma county Iidate village Kusano Taishido (About40kmNorth/West)</u>	2011/4/21 13:50	6.3 * <sup>3</sup>	No Rain	Fukushima Prefecture
Reading Point [62] <u>Soma county Iidate village Kusano Taishido (About40kmNorth/West)</u>	2011/4/21 11:53	6.3 * <sup>3</sup>	No Rain	Fukushima Prefecture
Reading Point [63] <u>Soma county Iidate village Nimaibashi (About45kmNorth/West)</u>	2011/4/21 14:10	1.7 * <sup>3</sup>	No Rain	Fukushima Prefecture
Reading Point [63] <u>Soma county Iidate village Nimaibashi (About45kmNorth/West)</u>	2011/4/21 10:51	1.8 * <sup>3</sup>	No Rain	Fukushima Prefecture
Reading Point [71] <u>Futaba county Hirono town Shimokitaba Nawashirogae * (About25kmSouth)</u>	2011/4/21 14:34	1.0 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point [71] Futaba county Hirono town Shimokitaba Nawashirogae * (About25kmSouth)	2011/4/21 12:29	1.7 * <sup>2</sup>	No Rain	MEXT
Reading Point [71] Futaba county Hirono town Shimokitaba Nawashirogae * (About25kmSouth)	2011/4/21 8:37	0.9 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point [72] <u>Iwaki city Hisanohama town Hisanohama aza Kitaaramaki (About30kmSouth)</u>	2011/4/21 15:05	0.9 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point [72] Iwaki city Hisanohama town Hisanohama aza Kitaaramaki (About30kmSouth)	2011/4/21 12:13	1.4 * <sup>2</sup>	No Rain	MEXT
Reading Point [72] Iwaki city Hisanohama town Hisanohama aza Kitaaramaki (About31kmSouth)	2011/4/21 9:13	0.8 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point [73] <u>Iwaki city Yotsukura town (About35kmSouth)</u>	2011/4/21 15:35	0.5 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point [73] Iwaki city Yotsukura town (About35kmSouth)	2011/4/21 12:01	1.7 * <sup>2</sup>	No Rain	MEXT
Reading Point [73] Iwaki city Yotsukura town (About35kmSouth)	2011/4/21 9:30	0.5 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point [74] Iwaki city Ogawa town Takahagi (About35kmSouth)	2011/4/21 11:19	0.5 * <sup>2</sup>	No Rain	MEXT
Reading Point [74] Iwaki city Ogawa town Takahagi (About36kmSouth)	2011/4/21 9:50	0.3 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point [75] <u>Iwaki city Uchigoumiyamaya town (About45kmSouth)</u>	2011/4/21 17:01	0.3 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point [75] Iwaki city Uchigoumiyamaya town (About45kmSouth)	2011/4/21 10:58	1.3 * <sup>2</sup>	No Rain	MEXT
Reading Point [75] Iwaki city Uchigoumiyamaya town (About45kmSouth)	2011/4/21 7:30	0.2 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point [76] Futaba county Kawauchi village Kamikawauchi Hayawata * (About20kmSouth/West)	2011/4/21 10:58	0.6 * <sup>2</sup>	No Rain	Police ( counter NBC operations unit )
Reading Point [76] Futaba county Kawauchi village Kamikawauchi Hayawata * (About20kmSouth/West)	2011/4/21 10:41	0.6 * <sup>2</sup>	No Rain	JAEA ( Japan Atomic Energy Agency )

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- \* 4 variation range of the measuring data in measuring time

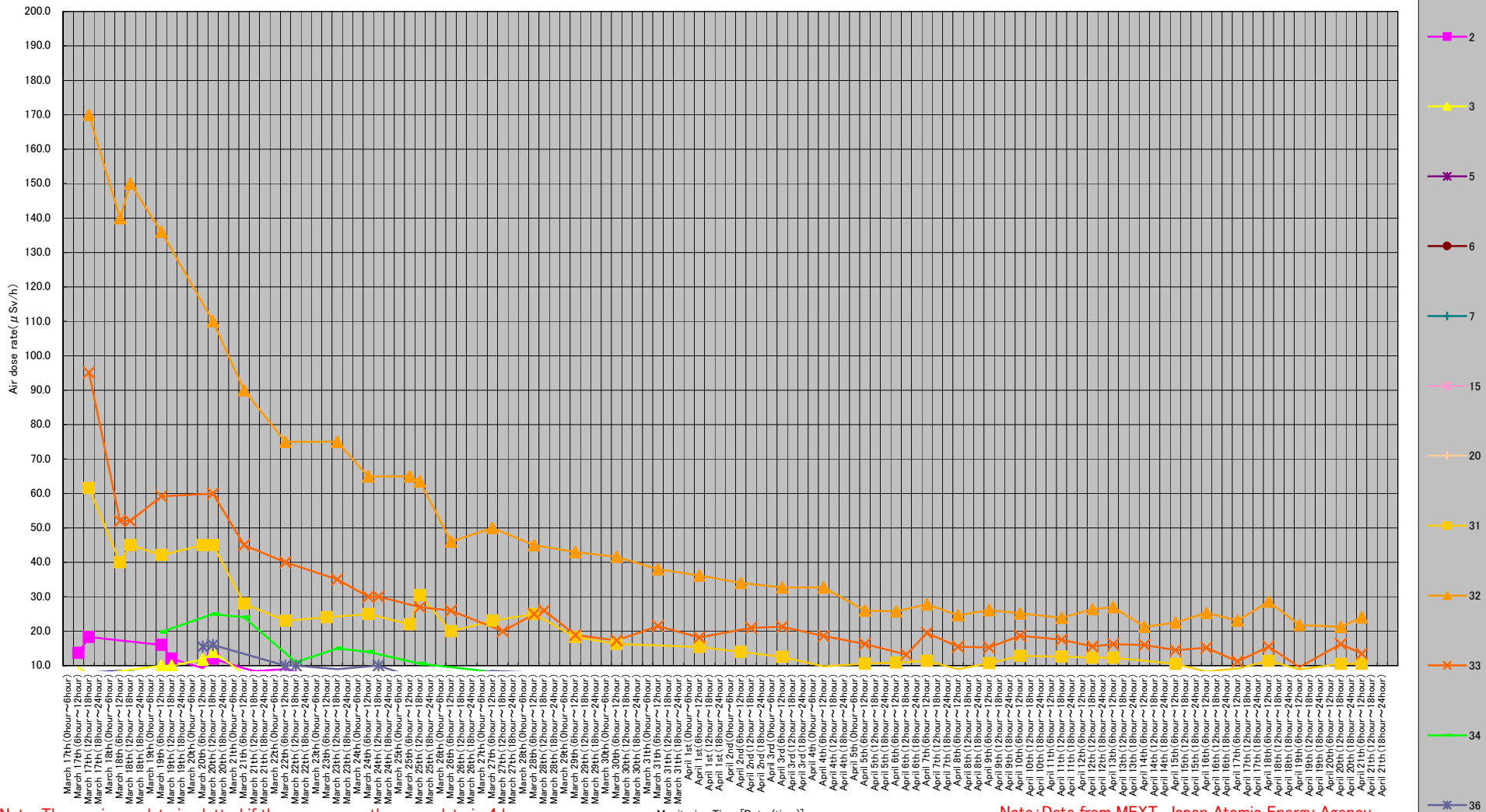
Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$ )	Weather	Reading by
Reading Point [77] Iwaki city Ogawa town Kamiogawa (About25kmSouth/West)	2011/4/21 10:39	1.1 *2	No Rain	Police ( counter NBC operations unit )
<b>Reading Point [79] Futaba county Namie town shimotsushima kayabuka (About30kmNorth/West)</b>	<b>2011/4/21 18:08</b>	<b>10.3 *2</b>	<b>No Rain</b>	<b>Police ( counter NBC operations unit )</b>
Reading Point [79] Futaba county Namie town shimotsushima kayabuka (About30kmNorth/West)	2011/4/21 11:09	11.5 *2	No Rain	JAEA ( Japan Atomic Energy Agency)
<b>Reading Point [80] Minami Soma city Haramachi ward Takami town (About25kmNorth)</b>	<b>2011/4/21 19:00</b>	<b>0.4 *2</b>	<b>No Rain</b>	<b>Police ( counter NBC operations unit )</b>
Reading Point [80] Minami Soma city Haramachi ward Takami town (About25kmNorth)	2011/4/21 11:57	0.3 *2	No Rain	MEXT
Reading Point [80] Minami Soma city Haramachi ward Takami town (About25kmNorth)	2011/4/21 7:50	0.1 *2	No Rain	Police ( counter NBC operations unit )
<b>Reading Point [83] Futaba county Namie town Akougi Kunugidaira (About20kmNorth/West)</b>	<b>2011/4/21 17:56</b>	<b>40.8 *2</b>	<b>No Rain</b>	<b>Police ( counter NBC operations unit )</b>
Reading Point [83] Futaba county Namie town Akougi Kunugidaira (About20kmNorth/West)	2011/4/21 11:30	43.0 *2	No Rain	JAEA ( Japan Atomic Energy Agency)
Reading Point [84] Iwaki city Miawa-town Saiso (About40kmSouth/West)	2011/4/21 10:10	0.7 *2	No Rain	MEXT
Reading Point [85] Fukushima Arai Harajiku (About60kmNorth/West)	2011/4/21 14:00	0.4 *2	No Rain	Ministry of Defense
Reading Point [85] Fukushima Arai Harajiku (About60kmNorth/West)	2011/4/21 6:00	0.2 *2	No Rain	Ministry of Defense
Reading Point [86] Koriyamashi Ootsuki town Choemonbayashi (About55kmWest)	2011/4/21 14:00	1.2 *2	No Rain	Ministry of Defense
Reading Point [86] Koriyamashi Ootsuki town Choemonbayashi (About55kmWest)	2011/4/21 6:00	0.9 *2	No Rain	Ministry of Defense
Reading Point [87] Futaba county Kawauchi village Kamikawauchi Hananouchi (About30kmWest/South/West)	2011/4/21 14:00	0.9 *2	No Rain	Ministry of Defense
Reading Point [87] Futaba county Kawauchi village Kamikawauchi Hananouchi (About30kmWest/South/West)	2011/4/21 6:00	0.9 *2	No Rain	Ministry of Defense
Reading Point [88] Fukushima city Hikarigaoka (About55kmWest/North/West)	2011/4/20 17:00	1.4 *2	No Rain	Ministry of Defense
Reading Point [89] Koriyama city Toyota town (About60kmWest)	2011/4/20 17:00	1.7 *2	No Rain	Ministry of Defense
Reading Point [101] Date city Ryozen town Oishi aza Minowa (About55kmNorth/West)	2011/4/21 9:29	0.6 *2	No Rain	MEXT
Reading Point [102] Date city Tsukidate town Tsukidate aza Machi (About50kmNorth/West)	2011/4/21 14:34	0.7 *2	No Rain	MEXT
Reading Point [103] Minami Soma city Haramachi ward taka aza Mamegarauchi (About20kmNorth)	2011/4/21 12:16	0.6 *2	No Rain	MEXT
Reading Point [104] Futaba county Katsurao village Oaza Ochiai aza Ochiai (About25kmWest/North/West)	2011/4/21 12:20	1.8 *2	No Rain	JAEA ( Japan Atomic Energy Agency)
Reading Point [105] Tamura city Miyakoji town Furumichi aza Teranomae (About20kmWest)	2011/4/21 11:00	0.2 *2	No Rain	JAEA ( Japan Atomic Energy Agency)
Reading Point [106] Iwaki city Kawamae town Ojiroi aza Syokangoya (About30kmSouth/West)	2011/4/21 10:15	0.3 *2	No Rain	JAEA ( Japan Atomic Energy Agency)
Reading Point [107] Minami Soma city Haramachi ward Baba aza Nakouchi (About25kmNorth/North/West)	2011/4/21 13:21	1.9 *2	No Rain	MEXT
Reading Point [108] Minami Soma city Haramachi ward Ohara Daihata (About30kmNorth/North/West)	2011/4/21 13:41	2.6 *2	No Rain	MEXT

\* [71] [76] : These are positioned in same area but a few hundred meters away.

# Readings at Monitoring Post out of Fukushima Dai-ichi NPP



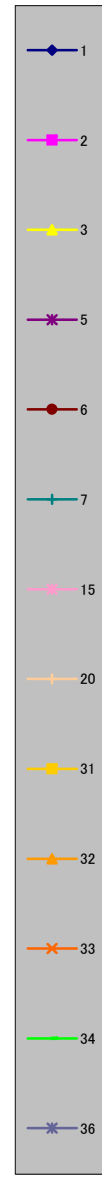
# Readings at Monitoring Post out of 20 Km Zone of Fukushima Dai-ichi NPP



Note: The maximum data is plotted if there are more than one data in 4 hours.  
 Note: This graph only shows the dates over  $10 \mu\text{Sv/h}$ .

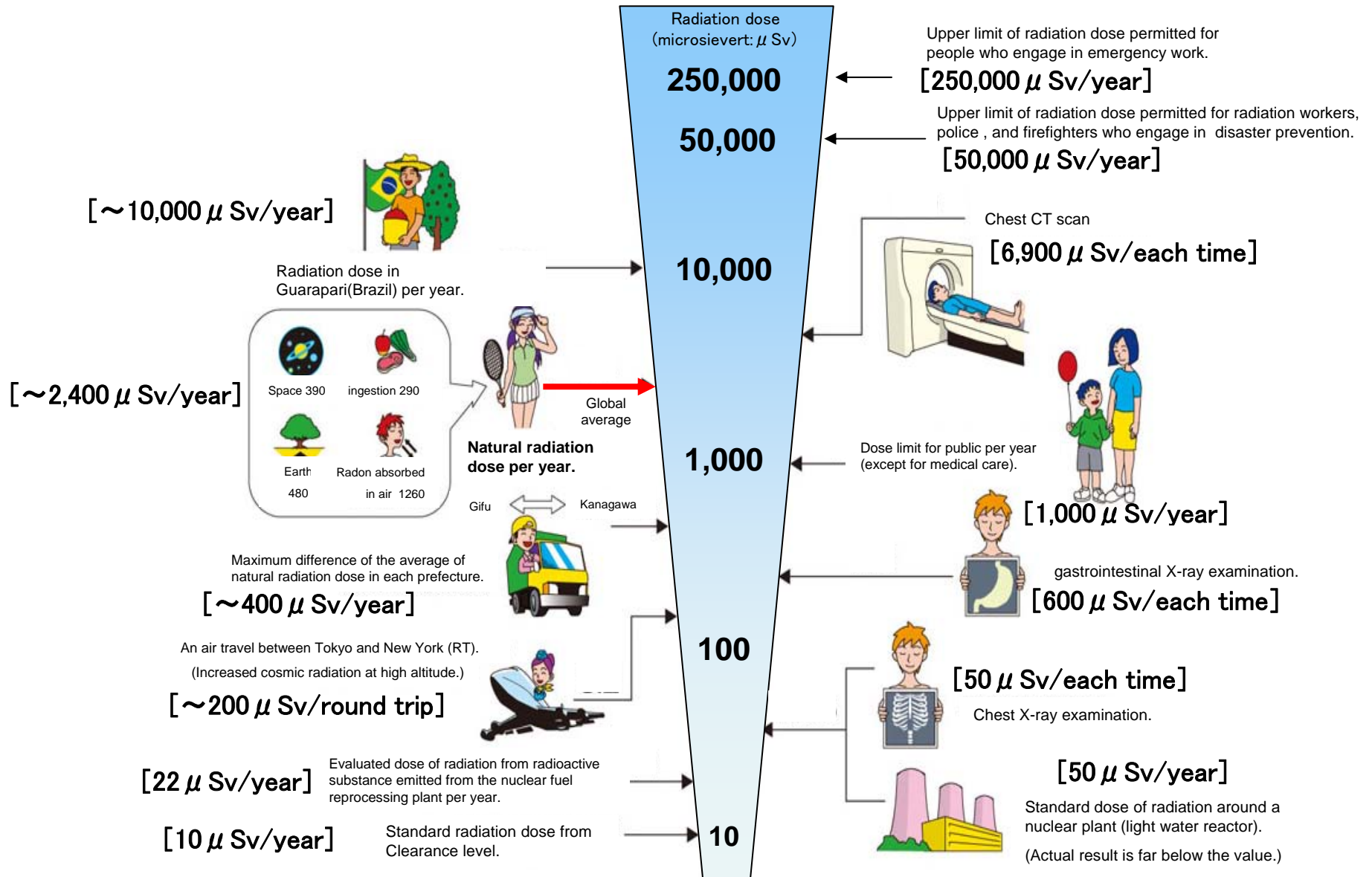
Monitoring Time [Date (time)]

Note: Data from MEXT, Japan Atomic Energy Agency, and, NUCLEAR Safety Technology Center



# 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.