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

As of 10:00 March 28, 2011
Ministry of Education, Culture, Sports, Science
and Technology (MEXT)

1. 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

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : μSv / h)	Weather	Reading by
Reading Point 【1】 (About60KmNorthWest)	**2011/3/27 15:09**	**3.5** *2	**No Rain**	**MEXT**
Reading Point 【1】 (About60KmNorthWest)	2011/3/27 9:41	2.5 *2	No Rain	MEXT
Reading Point 【2】 (About55KmNorthWest)	2011/3/27 14:51	5.7 *2	Rain	JAEA （Japan Atomic Energy Agency)
Reading Point 【2】 (About55KmNorthWest)	2011/3/27 10:10	5.1 *2	No Rain	JAEA （Japan Atomic Energy Agency)
Reading Point 【3】 (About45KmNorthWest)	2011/3/27 14:25	3.6 *2	No Rain	JAEA （Japan Atomic Energy Agency)
Reading Point 【3】 (About45KmNorthWest)	2011/3/27 10:41	5.5 *2	Rain	JAEA （Japan Atomic Energy Agency)
Reading Point 【4】 (About50KmNorthWest)	2011/3/27 10:30	1.6 *2	No Rain	MEXT
Reading Point 【5】 (About45KmNorth)	2011/3/27 13:25	1.5 *2	No Rain	JAEA （Japan Atomic Energy Agency)
Reading Point 【5】 (About45KmNorth)	2011/3/27 11:12	0.3 *2	No Rain	JAEA （Japan Atomic Energy Agency)
Reading Point 【6】 (About45KmNorth)	2011/3/27 12:00	1.5 *2	No Rain	JAEA （Japan Atomic Energy Agency)
Reading Point 【7】 (About45KmNorth)	2011/3/27 12:10	1.7 *2	No Rain	JAEA （Japan Atomic Energy Agency)
Reading Point 【10】 (About40KmNorthWest)	2011/3/27 17:16	1.0 *2	No Rain	MEXT
Reading Point 【11】 (About40KmNorthWest)	2011/3/27 17:04	2.3 *2	No Rain	MEXT

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : μSv / h)	Weather	Reading by
Reading Point 【12】 (About40KmWest)	2011/3/27 15:40	0.8 *2	No Rain	MEXT
Reading Point 【13】 (About40KmWest)	2011/3/27 15:34	0.8 *2	No Rain	MEXT
Reading Point 【14】 (About35KmWest)	2011/3/27 15:25	0.6 *2	No Rain	MEXT
Reading Point 【15】 (About35KmWest)	2011/3/27 15:07	2.0 *2	No Rain	MEXT
Reading Point 【20】 (About45KmNorthWest)	2011/3/27 15:58	1.0 *2	No Rain	MEXT
Reading Point 【21】 (About30KmWestNorthWest)	2011/3/27 16:21	5.2 *2	No Rain	MEXT
Reading Point 【21】 (About30KmWestNorthWest)	2011/3/27 14:40	4.0 *2	No Rain	MEXT
Reading Point 【22】 (About30KmWestNorthWest)	2011/3/27 16:13	1.1 *2	No Rain	MEXT
Reading Point 【23】 (About30KmWestNorthWest)	2011/3/27 16:06	1.3 *2	No Rain	MEXT
Reading Point 【31】 (About30KmWestNorthWest)	2011/3/27 11:30	16.8 *2	Rain	MEXT
Reading Point 【31】 (About30KmWestNorthWest)	2011/3/27 11:03	23.0 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【32】 (About30KmNorthWest)	2011/3/27 11:55	45.0 *2	No Rain	MEXT
Reading Point 【32】 (About30KmNorthWest)	2011/3/27 11:30	50.0 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【33】 (About30KmNorthWest)	2011/3/27 12:15	20.0 *2	No Rain	MEXT
Reading Point 【34】 (About30KmNorthWest)	2011/3/27 13:40	7.8 *2	No Rain	MEXT
Reading Point 【35】 (About35KmNorthWest)	2011/3/27 14:00	1.5 *2	No Rain	MEXT
Reading Point 【36】 (About40KmNorthWest)	2011/3/27 11:10	6.4 *2	Rain	MEXT

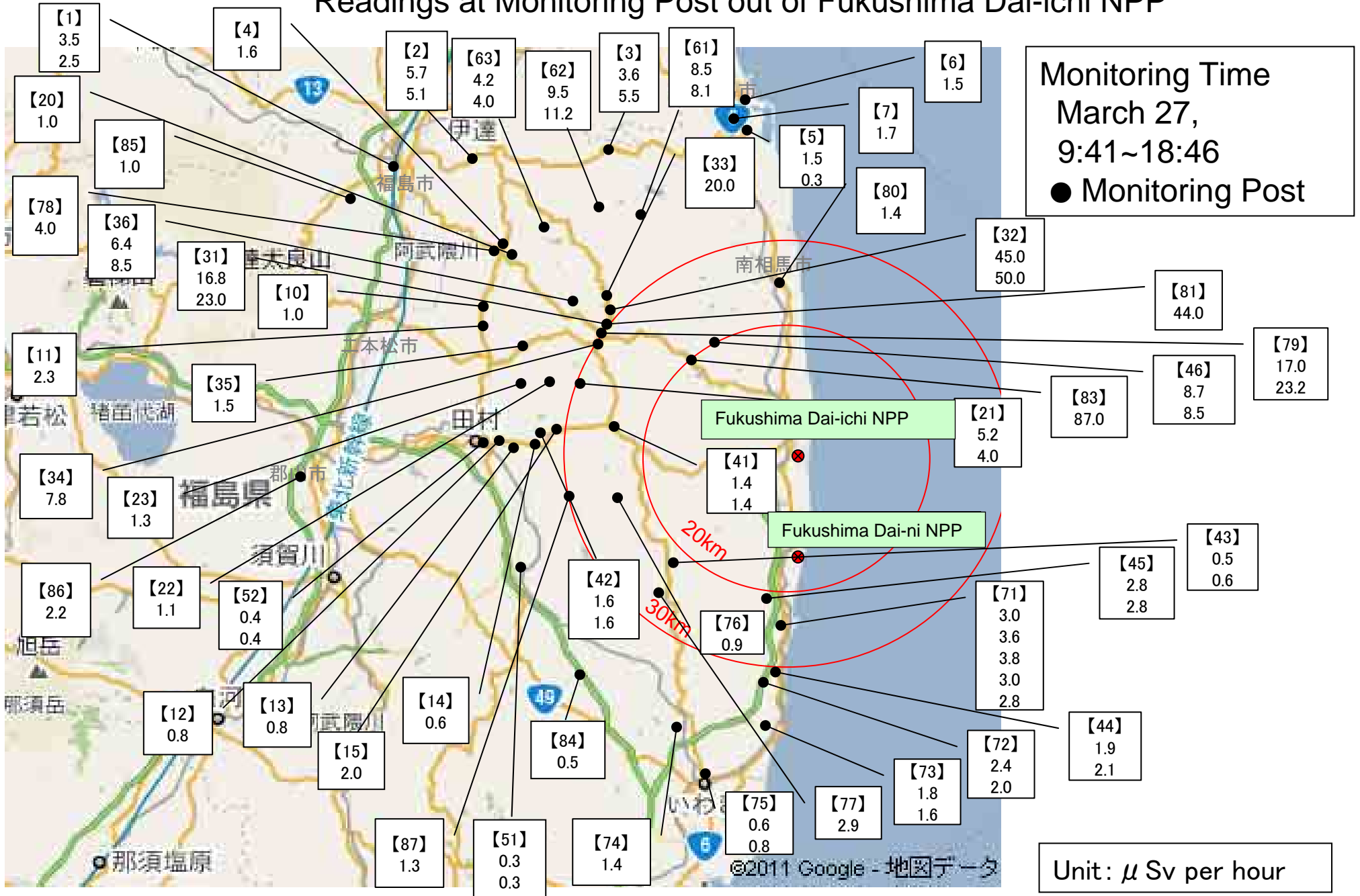| Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : μSv / h)	Weather	Reading by
Reading Point 【36】 (About40KmNorthWest)	2011/3/27 10:43	8.5 *2	No Rain	JAEA （Japan Atomic Energy Agency）
Reading Point 【41】 (About20KmWest)	2011/3/27 13:33	1.4 *2	Rain	Electric power company
Reading Point 【41】 (About20KmWest)	2011/3/27 10:15	1.4 *2	No Rain	Electric power company
Reading Point 【42】 (About30KmWest)	2011/3/27 13:36	1.6 *2	No Rain	Electric power company
Reading Point 【42】 (About30KmWest)	2011/3/27 9:56	1.6 *2	No Rain	Electric power company
Reading Point 【43】 (About20KmSouthWest)	2011/3/27 15:10	0.5 *2	No Rain	Electric power company
Reading Point 【43】 (About20KmSouthWest)	2011/3/27 11:00	0.6 *2	No Rain	Electric power company
Reading Point 【44】 (About30KmSouth)	2011/3/27 13:20	1.9 *2	No Rain	Electric power company
Reading Point 【44】 (About30KmSouth)	2011/3/27 10:20	2.1 *2	No Rain	Electric power company
Reading Point 【45】 (About20KmSouth)	2011/3/27 13:33	2.8 *2	No Rain	Electric power company
Reading Point 【45】 (About20KmSouth)	2011/3/27 10:30	2.8 *2	No Rain	Electric power company
Reading Point 【46】 (About20KmNorthWest)	2011/3/27 14:40	8.7 *2	No Rain	Electric power company
Reading Point 【46】 (About20KmNorthWest)	2011/3/27 10:40	8.5 *2	Rain	Electric power company
Reading Point 【51】 (About40KmSouthWest)	2011/3/27 14:14	0.3 *3	No Rain	Fukushima Pref
Reading Point 【51】 (About40KmSouthWest)	2011/3/27 10:57	0.3 *3	No Rain	Fukushima Pref
Reading Point 【52】 (About40KmWest)	2011/3/27 14:47	0.4 *3	No Rain	Fukushima Pref
Reading Point 【52】 (About40KmWest)	2011/3/27 11:40	0.4 *3	Rain	Fukushima Pref

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : μ Sv / h)	Weather	Reading by
Reading Point 【61】 (About40KmNorthWest)	2011/3/27 14:40	8.5 *3	No Rain	Fukushima Pref
Reading Point 【61】 (About40KmNorthWest)	2011/3/27 12:47	8.1 *3	No Rain	Fukushima Pref
Reading Point 【62】 (About40KmNorthWest)	2011/3/27 14:48	9.5 *3	No Rain	Fukushima Pref
Reading Point 【62】 (About40KmNorthWest)	2011/3/27 12:39	11.2 *3	No Rain	Fukushima Pref
Reading Point 【63】 (About45KmNorthWest)	2011/3/27 15:11	4.2 *3	No Rain	Fukushima Pref
Reading Point 【63】 (About45KmNorthWest)	2011/3/27 11:27	4.0 *3	No Rain	Fukushima Pref
Reading Point 【71】 (About25KmSouth)	2011/3/27 16:17	3.0 *2	No Rain	MEXT
Reading Point 【71】 (About25KmSouth)	2011/3/27 15:39	3.6 *2	No Rain	MEXT
Reading Point 【71】 (About25KmSouth)	2011/3/27 15:38	3.8 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【71】 (About25KmSouth)	2011/3/27 14:02	3.0 *2	No Rain	MEXT
Reading Point 【71】 (About25KmSouth)	2011/3/27 8:17	2.8 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【72】 (About30KmSouth)	2011/3/27 16:02	2.4 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【72】 (About30KmSouth)	2011/3/27 8:43	2.0 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【73】 (About35KmSouth)	2011/3/27 16:21	1.8 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【73】 (About35KmSouth)	2011/3/27 9:00	1.6 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【74】 (About35KmSouth)	2011/3/27 9:29	1.4 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【75】 (About45KmSouth)	2011/3/27 18:46	0.6 *2	No Rain	Police (counter NBC operations unit)

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : μ Sv / h)	Weather	Reading by
Reading Point 【75】 (About45KmSouth)	2011/3/27 7:19	0.8 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【76】 (About25KmSouthWest)	2011/3/27 12:00	0.9 *2	Rain	Police (counter NBC operations unit)
Reading Point 【77】 (About25KmSouthWest)	2011/3/27 12:20	2.9 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【78】 (About45KmNorthWest)	2011/3/27 7:25	4.0 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【79】 (About30KmNorthWest)	2011/3/27 13:27	17.0 *2	No Rain	MEXT
Reading Point 【79】 (About30KmNorthWest)	2011/3/27 10:04	23.2 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【80】 (About25KmNorth)	2011/3/27 11:37	1.4 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【81】 (About30KmWestNorthWest)	2011/3/27 9:44	44.0 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【83】 (About20KmNorthWest)	2011/3/27 10:25	87.0 *2	No Rain	Police (counter NBC operations unit)
Reading Point 【84】 (About40kmSouthWest)	2011/3/27 11:18	0.5 *2	No Rain	MEXT
Reading Point 【85】 (About60kmNorthWest)	2011/3/27 14:00	1.0 *2	No Rain	Ministry of Defense
Reading Point 【86】 (About55kmWest)	2011/3/27 14:00	2.2 *2	No Rain	Ministry of Defense
Reading Point 【87】 (About30kmWestSouthWest)	2011/3/27 14:00	1.3 *2	No Rain	Ministry of Defense

Readings at Monitoring Post out of Fukushima Dai-ichi NPP

Monitoring Time
March 27,
9:41~18:46
● Monitoring Post

【1】
3.5
2.5

【4】
1.6

【2】
5.7
5.1

【63】
4.2
4.0

【62】
9.5
11.2

【3】
3.6
5.5

【61】
8.5
8.1

【6】
1.5

【7】
1.7

【5】
1.5
0.3

【80】
1.4

【20】
1.0

【85】
1.0

【78】
4.0

【36】
6.4
8.5

【33】
20.0

【32】
45.0
50.0

【31】
16.8
23.0

【10】
1.0

【81】
44.0

【79】
17.0
23.2

【11】
2.3

【35】
1.5

【46】
8.7
8.5

【83】
87.0

Fukushima Dai-ichi NPP

【21】
5.2
4.0

【41】
1.4
1.4

Fukushima Dai-ni NPP

【34】
7.8

【23】
1.3

【43】
0.5
0.6

【45】
2.8
2.8

【86】
2.2

【22】
1.1

【52】
0.4
0.4

【42】
1.6
1.6

【76】
0.9

【71】
3.0
3.6
3.8
3.0
2.8

【12】
0.8

【13】
0.8

【14】
0.6

【44】
1.9
2.1

【15】
2.0

【84】
0.5

【72】
2.4
2.0

【73】
1.8
1.6

【75】
0.6
0.8

【77】
2.9

【87】
1.3

【51】
0.3
0.3

【74】
1.4

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20km
30km

伊達
福島市
阿武隈川
南相馬市
二本松市
田村
福島県
郡山市
須賀川
会津若松
猪苗代湖
安達太良山
旭岳
那須岳
那須塩原
阿武隈川
いわき市

Unit：μ Sv per hour

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

Reading (unit：μSv／h)

Monitoring Time [Date (time)]

Note：The maximam data is plotted if there are more than one data in 4 hours.
Note：This graph only shows the dates over 10μSv/h.

Note：Data from MEXT, Japan Atomic Energy Agency, and、
NUCLEAR Safety Technology Center
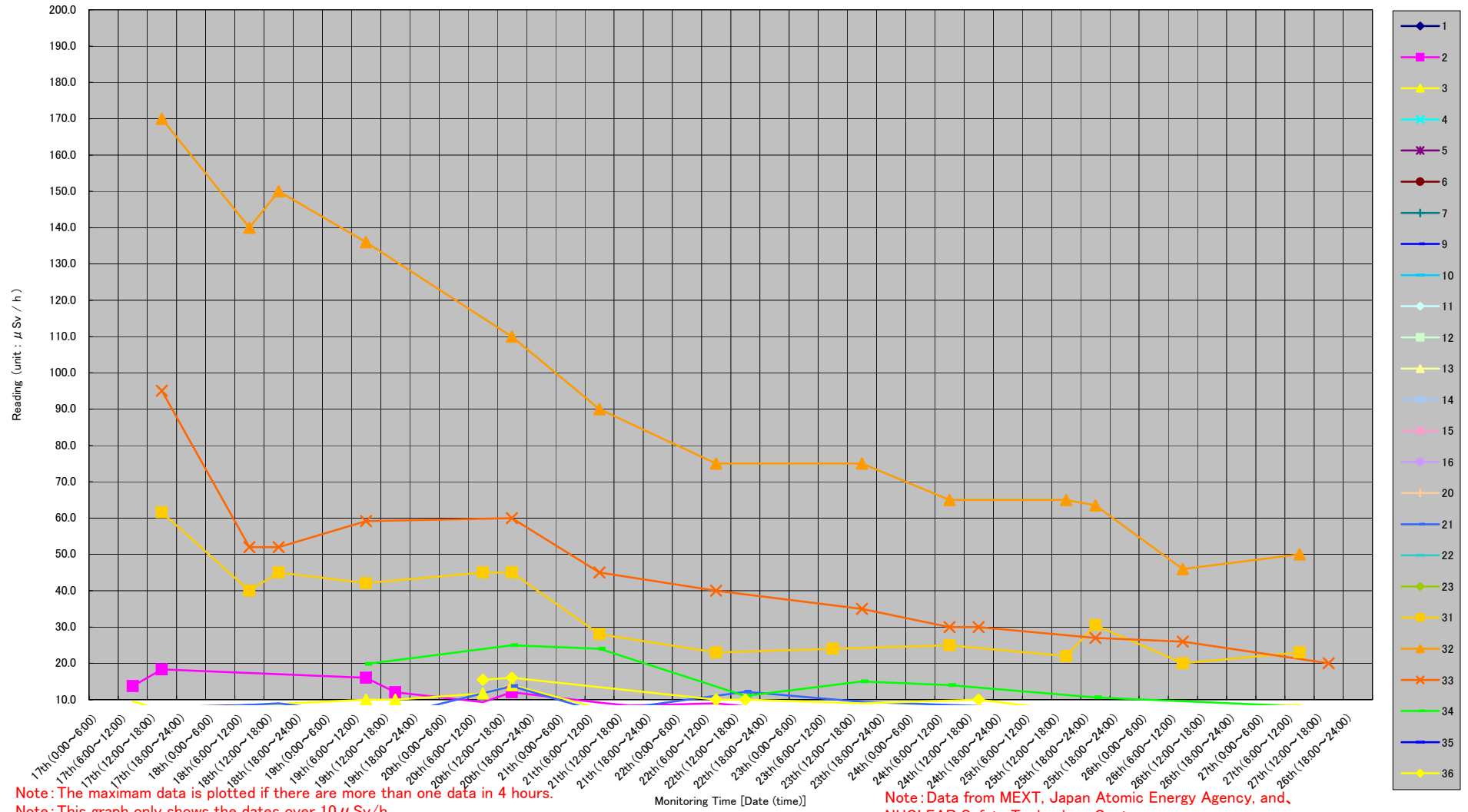
Radiation in Daily-life

※Unit : μSv

Radiation dose
（microsievert: μSv)

Upper limit of radiation dose permitted for people who engage in emergency work.
[250,000 μSv/year]

250,000

50,000

Upper limit of radiation dose permitted for radiation workers, police , and firefighters who engage in disaster prevention.
[50,000 μSv/year]

[～10,000 μSv/year]

Chest CT scan
[6,900 μSv/each time]

Radiation dose in Guarapari(Brazil) per year.

10,000

[～2,400 μSv/year]

Space 0.39   ingestion 0.29

Earth 0.48   Radon absorbed in air 1.26

Global average

Natural radiation dose per year.

1,000

Dose limit for public per year (except for medical care).

[1,000 μSv/year]

Gifu ⟷ Kanagawa

Maximum difference of the average of natural radiation dose in each prefecture.
[～400 μSv/year]

gastrointestinal X-ray examination.
[600 μSv/each time]

An air travel between Tokyo and New York (RT).
(Increased cosmic radiation at high altitude.)
[～200 μSv/round trip]

100

[50 μSv/each time]

Chest X-ray examination.

[22 μSv/year]

Evaluated dose of radiation from radioactive substance emitted from the nuclear fuel reprocessing plant per year.

[50 μSv/year]

Standard dose of radiation around a nuclear plant (light water reactor).
(Actual result is far below the value.)

[10 μSv/year]

Standard radiation dose from Clearance level.

10