

		( ) * 2	(Bq/kg)							( μSv/h)			
			<sup>131</sup> I	<sup>134</sup> Cs	<sup>137</sup> Cs	<sup>129m</sup> Te	<sup>132</sup> Te	<sup>136</sup> Cs	<sup>140</sup> La				
[1] (62km )		4 14 18.08	6,100	7,900	9,300							0.8	[11]
		4 15 15.53	11,000	15,000	19,000							1.3	
		4 16 15.03	5,100	9,100	11,000							2.1	
		4 18 15.43	7,500	18,000	21,000							1.2	
		4 20 15.54	7,700	13,000	16,000							1.3	
		4 21 15.12	4,800	9,700	12,000							1.3	
		4 22 15.06	4,300	15,000	17,000							1.7	
		4 23 16.11	3,200	9,400	11,000							1.1	
		4 24 8.50	3,400	9,500	12,000							1.0	
		4 25 8.47	3,800	10,000	12,000							0.8	
		4 26 8.37	2,900	11,000	13,000							0.9	
		4 27 8.55	4,800	27,000	32,000							1.0	
		4 28 8.48	2,100	5,700	7,000							0.9	
		4 29 14.17	2,900	16,000	20,000							1.2	
		4 30 15.12	2,200	12,000	14,000							0.6	
		5 1 14.59	1,500	8,200	10,000							0.6	
		5 2 17.39	1,700	10,000	12,000							1.0	
		5 3 16.47	1,200	4,500	5,200							1.3	
		5 4 17.19	1,300	6,200	7,500							1.1	
		5 5 15.43	1,400	11,000	13,000							0.5	
		5 6 17.41	1,200	9,900	12,000							0.7	
		5 7 17.30	1,100	6,300	7,700							0.9	
		5 8 16.05	420	2,400	2,800							0.7	
		5 9 15.33	640	6,500	7,800							1.6	
		5 10 16.38	910	11,000	13,000	4,700		110	24	<sup>95</sup> Nb : 41		0.9	
		5 11 15.38	540	6,600	8,200	3,700		73	18			1.2	
		5 12 15.44	490	7,600	9,300	3,800		67		<sup>95</sup> Nb : 30		1.0	
		5 13 17.00	690	9,500	12,000	3,500		90				1.0	
		5 14 8.55	750	12,000	14,000	4,200		130				0.9	
		5 15 8.43	440	7,900	9,500	2,500		80				1.0	
		5 16 8.33	670	13,000	16,000	5,600		110		<sup>95</sup> Nb : 59		0.9	
5 17 8.44	520	12,000	15,000	3,400		140	22	<sup>95</sup> Nb : 48		1.0			
5 18 15.43	360	7,300	8,600	3,000						0.8			
5 19 8.28	400	8,700	11,000	3,400		79				0.9			
5 20 8.31	430	13,000	16,000	2,900		92				1.0			
5 21 8.29	380	10,000	12,000	2,900				<sup>95</sup> Nb : 45		1.0			
5 22 8.19	370	10,000	13,000	3,100		79				0.9			
5 23 8.18	500	16,000	23,000	5,400		160				1.0			
5 24 8.32	190	5,900	7,100	2,000						0.9			
5 25 8.25	410	18,000	21,000	6,400						1.0			
5 26 8.50	170	5,700	6,900	2,300						0.7			
5 27 8.37	340	12,000	15,000	3,600		62				0.9			
5 28 8.27	100	1,800	2,300							0.8			
[1-1] (46km )		3 31 11.19	29,000	8,100	9,400						4.8	[3]	
		4 1 10.18	11,000	2,600	2,900						3.3		
		4 2 10.59	25,000	7,900	9,000						2.8		
[1-2] (40km )	가	4 3 9.52	41,000	18,000	21,000						5.4	[36]	
		4 27 14.40	4,400	14,000	16,000						2.3		
[13] (37km )		4 1 11.58	3,300	1,000	1,200						0.5	[13]	
[2] (56km )		3 31 10.20	48,000	13,000	15,000							4.1	[2]
		3 31 14.35	16,000	5,300	6,300							2.1	
		4 1 9.22	31,000	7,400	8,800							3.8	
		4 1 9.42	13,000	4,800	5,700							3.8	
		4 2 9.33	53,000	17,000	20,000							3.5	
		4 3 11.57	7,300	3,000	3,600							1.0	
		4 4 12.09	4,400	2,100	2,500							1.0	
		4 15 12.46	2,000	2,000	2,400							0.2	
		4 16 11.59	2,000	2,500	2,900							0.3	
		4 18 12.25	1,900	3,000	3,700							0.3	
		4 20 13.17	1,500	2,900	3,500							0.3	
		4 21 12.02	1,300	2,300	2,800							0.3	
		4 22 11.45	2,400	3,300	4,000							0.7	
		4 23 13.20	1,200	2,600	3,200							0.6	
		4 24 14.93	1,200	2,600	3,200							0.2	
		4 25 12.16	2,200	1,600	2,000							0.3	
		4 26 11.52	2,300	2,500	3,100							0.5	
		4 27 11.50	2,100	2,200	2,700							0.5	
		4 28 13.18	990	1,400	1,800							0.3	
		4 29 11.13	1,100	2,900	3,600							0.7	
		4 30 11.52	540	740	860							0.3	
		5 1 11.17	950	1,100	1,400							0.5	
		5 2 11.31	590	1,500	1,800							0.3	
		5 3 12.13	540	1,500	1,800							0.3	
		5 4 12.23	630	1,400	1,800							0.3	
		5 5 10.10	390	640	870							0.2	
		5 6 11.23	480	820	990							0.3	
		5 7 13.05	680	1,700	2,200							0.5	
		5 8 11.07	500	1,100	1,300							0.2	
		5 9 11.24	260	710	880							0.5	
		5 10 11.40	460	1,500	1,900	1,100						0.9	
5 11 11.10	140	1,300	1,500							0.5			
5 12 12.00	180	1,600	2,000	840		19				0.4			
5 13 12.58	120	1,200	1,400							0.4			
5 14 12.37	330	3,900	4,700	1,600		36				0.4			
5 15 12.30	240	2,700	3,300	1,400		26				0.4			
5 16 11.33	87	1,100	1,300							0.4			
5 17 12.41	120	1,300	1,500	660						0.4			
5 18 11.18	190	1,500	2,000	810						0.4			
5 19 12.30	190	3,200	3,900	1,600						0.4			
5 20 11.26	190	3,700	4,500							0.4			
5 21 11.11	66	990	1,300	670						0.5			
5 22 11.08	94	2,500	3,100							0.5			
5 23 11.23	210	4,600	5,500							0.4			
5 24 11.56	140	3,000	3,700							0.4			
5 25 11.27	110	3,000	3,800	1,500		27				0.4			
5 26 13.45	150	4,700	5,700	2,100						0.4			
5 27 11.46	85	2,700	3,400							0.4			
5 28 12.06		1,100	1,200							0.4			

		( ) * 2	(Bq/kg)							( μSv/h)
			<sup>131</sup> I	<sup>134</sup> Cs	<sup>137</sup> Cs	<sup>129m</sup> Te	<sup>132</sup> Te	<sup>136</sup> Cs	<sup>140</sup> La	
		3 23 11:10	200,000	39,000	45,000					103.0
		3 25 14:45	251,000	60,700	60,100					27.0
		3 25 14:45	341,000 <sup>-1</sup>	70,800	68,500 <sup>-1</sup>					27.0
		3 26 10:55	15,000	2,860	3,000					26.0
		3 27 12:15	93,000	28,300	29,000					20.0
		3 28 11:18	110,000	35,900	36,000					43.0
		3 29 11:18	220,000	66,600	65,000					18.9
		3 30 11:30	190,000	70,900	70,000					17.3
		3 31 11:23	160,000	65,700	67,000					18.2
		4 1 11:36	130,000	40,100	40,000					18.2
		4 2 12:10	61,000	5,530	6,200					21.0
		4 3 11:11	69,000	16,000	18,000					21.3
		4 4 11:12	125,510	66,086	76,429					18.6
		4 5 11:15	88,243	50,432	55,001					16.3
		4 6 12:19	90,816	60,493	66,192					13.2
		4 7 11:03	74,481	52,912	58,104					19.5
		4 8 11:35	72,500	59,000	63,600					15.5
		4 10 11:18	66,007	64,788	75,832					18.7
		4 11 14:07	62,639	56,170	64,093					17.5
		4 12 16:42	41,103	48,613	52,164					15.6
		4 14 10:13	43,000	45,886	65,000					16.0
		4 15 10:04	30,000	40,000	53,000					14.5
		4 16 10:33	10,000	15,000	17,000					15.2
		4 17 11:15	21,000	28,000	34,000					11.2
		4 18 10:28	38,000	78,000	90,000					15.5
		4 20 16:09	22,000	52,000	63,000					16.3
		4 21 10:43	36,000	95,000	110,000					13.5
		4 22 11:06	40,000	120,000	140,000					16.5
		4 24 10:44	26,000	82,000	97,000					15.1
		4 27 10:15	24,000	110,000	130,000					14.1
		4 28 10:19 (4 29 16:28)	11,000	79,000	84,000					16.1
		4 29 10:26 (4 30 16:57)	12,000	74,000	85,000					13.8
		4 30 11:24 (5 1 14:47)	9,800	70,000	74,000					17.1
		5 1 10:40 (5 2 17:31)	5,200	39,000	41,000					15.2
		5 2 10:59 (5 3 19:16)	7,900	56,000	63,000					12.6
		5 2 10:59 (5 6 9:44)	9,700	58,000	71,000					12.6
		5 3 10:25 (5 6 9:44)	7,400	68,000	79,000					14.1
		5 4 11:53 (5 6 18:33)	9,200	110,000	120,000					13.3
		5 5 10:36 (5 8 11:07)	15,000	120,000	140,000					15.4
		5 5 10:36 (5 8 11:07)	9,000	110,000	120,000					15.4
		5 6 9:41 (5 8 15:27)	3,200	38,000	40,000	16,000		430	<sup>110m</sup> Ag : 140	13.1
		5 7 14:34 (5 9 16:10)	5,700	66,000	74,000	31,000		600	<sup>110m</sup> Ag : 210	15.3
		5 8 9:27 (5 10 16:18)	3,700	44,000	50,000	16,000		480		13.0
		5 9 9:41 (5 11 17:03)	4,100	52,000	59,000	20,000		430	<sup>110m</sup> Ag : 150	15.3
		5 10 9:50 (5 12 16:23)	3,700	59,000	71,000	27,000		500	<sup>110m</sup> Ag : 190	15.6
		5 11 9:39 (5 14 15:47)	3,100	63,000	73,000	25,000		470	<sup>110m</sup> Ag : 210	14.3
		5 12 10:17 (5 14 16:19)	2,600	52,000	59,000	19,000		420		14.8
		5 13 10:12 (5 15 14:37)	2,200	48,000	56,000	20,000		380		14.2
		5 14 10:00 (5 16 17:42)	1,600	30,000	35,000	11,000		200		15.5
		5 15 10:55 (5 18 15:52)	4,700	140,000	160,000	51,000		1,000	<sup>110m</sup> Ag : 460	15.5
		5 16 9:44 (5 19 18:26)	2,400	76,000	85,000	28,000		530		14.3
		5 17 11:11 (5 19 18:44)	2,200	49,000	56,000	17,000		320	<sup>110m</sup> Ag : 160	16.0

[3-1] (33km )

가

[33]





		( ) * 2	(Bq/kg)							( μSv/h)		
			<sup>131</sup> I	<sup>134</sup> Cs	<sup>137</sup> Cs	<sup>129m</sup> Te	<sup>132</sup> Te	<sup>136</sup> Cs	<sup>140</sup> La			
[3-11] (32km )	가	3 25 12:33	8,000	1,100	1,300							3.2
		3 26 11:33	13,000	3,500	4,300							1.5
		3 28 10:38	8,200	1,600	2,000							3.3
		4 15 11:53	1,700	2,400	2,900							0.4
		4 16 11:30	1,900	1,600	2,000							0.6
		4 18 11:55	3,000	2,100	3,200							0.4
		4 20 12:52	1,600	4,600	2,600							0.5
		4 21 11:36	1,200	1,200	1,500							0.6
		4 22 11:21	930	1,300	1,700							0.6
		4 23 12:18	600	630	850							0.5
		4 24 12:52	600	830	1,000							0.7
		4 25 11:47	1,100	2,000	2,600							1.0
		4 26 11:00	980	1,800	2,200							0.5
		4 27 11:26	1,500	2,500	2,900							0.5
		4 28 12:12	630	1,600	2,000							0.6
		4 29 10:53	380	940	1,200							0.8
		4 30 11:07	850	1,800	2,300							0.3
		5 1 10:59	550	960	1,300							0.6
		5 2 10:58	320	1,100	1,300							0.5
		5 3 11:39	470	1,700	2,200							0.6
		5 4 11:41	590	2,400	2,900							0.6
		5 6 10:55	170	440	560							0.4
		5 7 12:44	120	420	510							0.5
		5 8 10:44	110	590	690							0.4
		5 9 11:01	130	540	630							0.8
		5 10 11:17	240	1,100	1,300							1.0
		5 11 10:41	180	910	1,200							0.8
		5 12 11:35	170	2,300	2,800	810						0.8
		5 13 11:52	110	1,400	1,700							0.9
		5 14 12:09	52	380	440							0.6
		5 15 12:10	100	720	880							0.6
		5 16 11:12	230	2,600	3,200							0.7
		5 17 12:26	170	1,900	2,300	860						0.6
5 18 10:58	150	1,600	2,000							0.7		
5 19 12:06	130	1,300	1,700							0.7		
5 20 11:07	69	770	1,000							0.7		
5 21 10:49	120	4,200	5,300	1,700					28	0.7		
5 22 10:48	64	1,200	1,400							0.7		
5 23 11:03	85	850	980	610						0.7		
5 24 11:33	74	2,400	3,000							0.6		
5 25 11:03	31	730	880							0.6		
5 26 12:56	89	2,400	3,000							0.7		
5 27 12:53	90	2,300	2,800							0.8		
5 28 12:52	60	1,200	1,600	1,000						0.9		
[3-12] (30km )		3 25 14:13	29,000	20,000	627						30.5	
		3 26 10:15	22,000	1,550	1,600						17.8	
		3 27 11:30	120,000	25,500	27,000						25.0	
		3 28 10:29	120,000	27,900	28,000						23.0	
		3 29 9:59	710,000	212,000	220,000						18.3	
		3 30 10:50	710,000	282,000	290,000						16.3	
		3 31 10:45	50,000	14,200	15,000						-	
		4 1 10:39	79,000	27,400	29,000						15.4	
		4 2 11:42	21,000	5,270	5,400						14.0	
		4 3 10:36	60,000	26,000	27,000						12.5	
		4 4 10:27	143,900	5,931	6,907						9.8	
		4 5 10:42	103,970	62,836	68,209						10.6	
		4 6 11:45	84,819	47,948	51,942						10.9	
		4 7 10:30	78,581	48,547	51,167						11.4	
		4 8 10:55	36,900	18,000	20,300						9.0	
		4 10 10:17	59,758	62,813	74,220						12.8	
		4 11 13:32	58,558	58,212	67,722						12.6	
		4 12 16:06	54,507	40,408	46,235						12.3	
		4 14 11:06	33,000	64,000	76,000						10.7	
		4 15 10:45	18,000	18,000	22,000						10.5	
		4 16 10:00	13,000	18,000	21,000						8.3	
		4 17 10:40	17,000	13,000	15,000						9.2	
		4 18 9:53	6,700	8,000	9,100						11.4	
		4 20 16:48	29,000	51,000	62,000						10.5	
		4 21 9:58	33,000	73,000	87,000						10.5	
		4 22 10:29	44,000	180,000	210,000						10.1	
		4 24 10:04	4,000	5,500	6,800						10.8	
		4 25 10:10	11,000	24,000	29,000						11.2	
		4 27 14:43	3,800	9,000	11,000						8.6	
		4 28 9:49									7.8	
		(4 29 16:32)	7,400	39,000	42,000							
		4 29 9:54									7.5	
		(4 30 16:55)	8,200	50,000	56,000							
		4 30 10:59									6.8	
		(5 1 14:45)	3,100	14,000	14,000							
		5 1 9:55									7.3	
		(5 2 17:29)	4,500	26,000	29,000							
		5 2 10:35									5.4	
		(5 3 19:14)	3,600	26,000	27,000							
		5 2 10:35									5.4	
		(5 6 9:43)	4,700	31,000	34,000						6.9	
		5 4 11:20									7.1	
		(5 6 16:29)	6,200	50,000	56,000							
		5 5 10:00									7.2	
		(5 8 11:06)	2,200	20,000	21,000							
		5 6 10:09									7.2	
		(5 8 15:07)	2,400	14,000	14,000	5,500				140		
		5 7 14:54									7.8	
		(5 9 16:10)	2,200	14,000	14,000	7,600				130		
		5 8 10:05									6.6	
(5 10 16:29)	4,100	38,000	44,000	21,000				490				
5 9 10:05									7.9			
(5 11 17:03)	4,700	56,000	60,000	23,000				580				
5 10 10:18									7.9			
(5 12 16:21)	4,700	62,000	70,000	30,000				510				
5 11 10:03									7.6			
(5 14 15:52)	3,200	38,000	45,000	17,000				220				
5 12 10:49									7.5			
(5 14 16:17)	3,300	42,000	48,000	21,000				<sup>110m</sup> Ag : 140				
5 13 10:59									6.9			
(5 15 14:29)	1,200	16,000	18,000	6,300				110				
5 14 10:39									5.3			
(5 16 17:42)	1,400	22,000	26,000	7,600				200				
5 15 11:39									6.7			
(5 18 15:48)	480	4,000	4,800	2,400								
5 16 10:25									7.5			
(5 19 18:24)	1,100	27,000	30,000	11,000				260				
5 17 11:49									7.0			
(5 19 18:23)	1,100	10,000	12,000	4,800				74				

	( ) * 2	(Bq/kg)							( μSv/h)
		<sup>131</sup> I	<sup>134</sup> Cs	<sup>137</sup> Cs	<sup>129m</sup> Te	<sup>132</sup> Te	<sup>136</sup> Cs	<sup>140</sup> La	
	3 25 14:30	88,700	9,550	9,260					65.0
	3 26 10:40	290,000	33,400	33,000					46.0
	3 27 11:55	550,000	78,000	80,000					45.0
	3 28 10:51	210,000	8,930	9,200					50.0
	3 29 10:57	660,000	93,300	94,000					43.0
	3 30 11:08	260,000	53,500	52,000					41.6
	3 31 11:04	91,000	39,700	40,000					38.0
	4 1 11:01	250,000	122,000	130,000					36.2
	4 2 11:55	120,000	31,800	35,000					34.0
	4 3 10:56	280,000	110,000	110,000					32.7
	4 4 10:50	157,730	89,234	98,551					32.7
	4 5 10:59	201,800	93,531	103,390					26.0
	4 6 11:59	125,200	53,806	58,761					25.8
	4 7 10:47	139,810	65,462	73,554					27.8
	4 8 11:23	85,800	63,000	64,300					24.6
	4 10 10:54	43,605	37,613	42,820					25.2
	4 11 13:53	114,330	120,180	140,550					23.9
	4 12 16:25	102,450	77,991	86,040					26.4
	4 14 10:50	69,000	64,000	73,000					21.3
	4 15 10:24	24,000	25,000	29,000					22.5
	4 16 10:16	58,000	75,000	87,000					25.3
	4 17 10:55	17,000	8,700	10,000					23.1
	4 18 10:15	10,000	16,000	18,000					28.6
	4 20 16:27	26,000	46,000	55,000					21.3
	4 21 10:22	35,000	66,000	78,000					24.0
	4 22 10:50	48,000	180,000	220,000					21.6
	4 24 10:28	36,000	88,000	110,000					24.2
	4 25 10:38	19,000	82,000	98,000					19.4
	4 27 14:26	23,000	110,000	130,000					22.4
	4 28 10:07 (4 29 16:34)	5,700	22,000	24,000					18.7
	4 29 10:11 (4 30 16:56)	12,000	48,000	52,000					19.5
	4 30 11:12 (5 1 14:46)	18,000	110,000	110,000					18.1
	5 1 10:24 (5 2 17:30)	6,300	55,000	58,000					17.8
	5 2 10:49 (5 3 19:15)	11,000	64,000	67,000					19.7
	5 2 10:49 (5 3 19:15)	15,000	78,000	92,000					19.7
	5 3 10:11 (5 6 9:43)	2,900	7,300	8,200					18.2
	5 4 11:36 (5 6 18:32)	6,000	57,000	60,000					16.9
	5 5 10:21 (5 8 11:06)	1,800	7,600	9,300					18.9
	5 5 10:21 (5 8 11:06)	5,500	30,000	31,000					18.9
	5 6 9:55 (5 8 15:26)	8,900	130,000	140,000	56,000		1,500	<sup>110m</sup> Ag : 420	18.6
	5 7 14:38 (5 9 16:09)	10,000	93,000	97,000	60,000		1,100		19.4
	5 8 9:41 (5 10 16:15)	6,200	58,000	63,000	35,000		740	<sup>110m</sup> Ag : 180	17.6
	5 9 9:53 (5 11 17:04)	6,600	71,000	75,000	39,000		780	<sup>110m</sup> Ag : 240	20.1
	5 10 10:05 (5 12 16:16)	7,900	100,000	110,000	57,000		1,100	<sup>110m</sup> Ag : 270	20.3
	5 11 9:51 (5 14 15:52)	4,600	73,000	80,000	33,000		610	<sup>110m</sup> Ag : 330	19.3
	5 12 10:31 (5 14 16:18)	3,700	59,000	65,000	28,000		500		19.0
	5 13 10:36 (5 15 14:37)	3,700	67,000	71,000	32,000		540	<sup>110m</sup> Ag : 210	17.2
	5 14 10:16 (5 16 17:42)	3,100	60,000	64,000	29,000		470	<sup>110m</sup> Ag : 190	15.2
	5 15 11:21 (5 18 15:49)	3,100	40,000	47,000	24,000		310		17.3
	5 16 10:04 (5 19 18:19)	3,600	83,000	91,000	34,000		630	<sup>110m</sup> Ag : 290	18.5
	5 17 11:27 (5 19 18:24)	1,500	17,000	20,000	9,900				17.8

[3-13] (31km )

[32]

		( ) * 2	(Bq/kg)							( μSv/h)			
			<sup>131</sup> I	<sup>134</sup> Cs	<sup>137</sup> Cs	<sup>129m</sup> Te	<sup>132</sup> Te	<sup>136</sup> Cs	<sup>140</sup> La				
[3-14] (40km )	가	3 25 15:36	73,000	15,000	18,000							7.0	[36]
		3 26 19:30	49,000	8,100	9,300							7.8	
		3 28 9:15	65,000	18,000	21,000							8.0	
		3 29 9:41	63,000	17,000	21,000							6.0	
		3 30 10:18	71,000	20,000	24,000							5.6	
		3 31 10:21	59,000	24,000	28,000							5.3	
		4 1 10:11	54,000	20,000	23,000							5.7	
		4 2 11:20	54,000	22,000	26,000							5.1	
		4 4 9:52	6,600	3,100	3,300							5.2	
		4 5 9:26	31,000	17,000	20,000							4.6	
		4 6 11:05	41,000	21,000	25,000							4.1	
		4 7 10:02	39,000	24,000	29,000							4.1	
		4 8 10:07	27,000	21,000	24,000							3.8	
		4 10 9:41	14,000	10,000	12,000							4.6	
		4 11 10:36	22,000	21,000	25,000							4.0	
		4 13 12:07	15,000	17,000	20,000							4.5	
		4 14 9:57	17,000	20,000	24,000							4.2	
		4 15 9:39	5,600	6,700	7,800							3.3	
		4 16 9:37	6,000	7,000	8,100							2.9	
		4 17 9:22	9,900	13,000	15,000							3.1	
		4 18 9:31	17,000	28,000	34,000							4.5	
		4 20 11:03	4,600	6,900	8,400							3.2	
		4 21 9:32	9,100	19,000	22,000							3.4	
		4 22 10:10	4,300	9,200	11,000							3.7	
		4 24 9:39	3,800	7,800	9,200							4.0	
		4 28 9:35	1,500	2,700	3,100							2.5	
		4 29 9:35	2,400	6,100	7,300							2.6	
		4 30 10:33	2,200	6,600	7,800							3.1	
		5 1 9:32	2,600	23,000	27,000							2.8	
		5 2 9:48	2,800	15,000	19,000							2.7	
		5 3 9:30	2,400	16,000	19,000							3.0	
		5 4 10:58	2,600	9,500	11,000							3.0	
		5 5 9:39	2,000	11,000	13,000							3.1	
		5 6 9:21	2,200	15,000	18,000							3.3	
		5 7 14:08	1,700	14,000	16,000							3.2	
		5 8 9:04	1,900	18,000	21,000							3.3	
5 9 9:20	1,700	18,000	23,000							3.0			
5 10 9:29	1,100	11,000	13,000	5,100		120				2.7			
5 11 9:20	1,100	14,000	18,000	6,700		110	29	<sup>96</sup> Nb : 51		2.8			
5 12 9:40	220	3,600	4,300			26				3.1			
5 13 9:45	640	7,600	9,400	3,500		89	18			2.8			
5 14 9:43	1,300	22,000	26,000	8,100		160	39			2.6			
5 15 10:00	1,100	20,000	24,000	8,700		200	41			2.7			
5 16 9:22	330	4,200	5,000	1,400		30				3.0			
5 17 10:35	400	5,200	6,500	2,600		34				2.4			
5 24 13:50	570	17,000	21,000	5,200		140				2.8			
3 25 14:15	560	390	410							5.5			
3 26 12:55	31,000	1,600	1,800							3.9			
3 28 9:54	42,000	1,200	1,500							3.0			
[3-15] (23km )		3 28 16:18	7,800	3,000	3,500					1.7	-		
[3-16] (45km )		4 1 9:59	15,000	15,000	16,000					4.6			
[37] (48km )		4 2 10:40	20,000	16,000	20,000					4.3	[37]		
[38] (34km )		4 14 12:05	8,700	1,800	2,100						0.8	[38]	
		4 15 13:41	4,900	1,200	1,400						0.9		
		4 16 15:50	4,600	1,000	1,200						0.9		
		4 17 11:37	5,300	1,100	1,300						0.3		
		4 20 11:46	4,800	1,800	2,000						1.3		
		4 21 11:46	4,400	1,700	1,900						1.0		
		4 22 11:42	3,300	1,400	1,700						0.7		
		4 23 11:32	4,600	2,400	3,000						0.7		
		4 26 11:31	2,800	1,500	1,600						0.3		
		4 28 11:28	970	630	760						0.3		
		4 29 12:33	3,700	2,800	3,200						0.8		
		4 30 11:18	1,700	1,200	1,400						0.2		
		5 1 12:18	1,800	1,800	2,100						0.8		
		5 2 13:42	1,900	2,700	3,000						0.3		
		5 3 12:20	2,500	2,700	3,200						0.3		
		5 4 12:29	1,900	2,500	2,800						0.5		
		5 5 12:17	2,100	20,000	22,000						0.2		
		5 6 11:57	1,100	1,400	1,700						0.6		
		5 7 11:41	1,800	2,200	2,500						1.0		
		5 8 12:28	1,300	2,200	2,700						0.8		
		5 9 11:59	630	1,200	1,400						0.7		
		5 10 11:23	790	1,500	1,700	1,800					0.7		
		5 11 11:18	750	1,600	1,900	2,000					0.3		
		5 12 12:03	650	1,200	1,500	1,800				<sup>96</sup> Nb : 19	0.3		
		5 14 12:49	420	1,300	1,600	1,100					0.4		
		5 15 11:39	520	1,800	2,300	1,900					0.3		
		5 16 11:28	490	1,700	2,100	1,500				<sup>96</sup> Nb : 26	0.3		
		5 17 11:33	590	2,100	2,500	2,000					0.3		
5 18 11:13	470	1,600	1,900	1,500					0.3				
5 19 11:07	310	1,500	1,800	1,800					0.3				
5 21 11:12	670	4,000	5,100	2,600					0.3				
5 22 11:12	460	2,300	2,800	4,200					0.3				
5 24 11:00	190	1,100	1,300	1,700				<sup>96</sup> Nb : 30	0.3				
5 26 11:06	320	2,400	2,800	3,100					0.3				
5 28 10:56	110	1,000	1,200	1,000					0.5				

		( ) * 2	(Bq/kg)							( μSv/h)	
			<sup>131</sup> I	<sup>134</sup> Cs	<sup>137</sup> Cs	<sup>129m</sup> Te	<sup>132</sup> Te	<sup>136</sup> Cs	<sup>140</sup> La		
[39] (41km )	가	4 15 10:46	1,900	3,800	4,500						0.5
		4 16 10:28	3,100	5,600	6,500						0.8
		4 18 10:42	1,700	4,500	5,300						0.6
		4 20 11:05	1,300	4,800	6,000						0.6
		4 21 10:40	1,100	3,500	4,200						0.6
		4 22 10:26	860	4,600	5,700						1.4
		4 24 11:10	1,000	4,300	5,000						0.3
		4 25 10:46	990	5,700	7,100						0.3
		4 26 10:16	650	3,600	4,100						0.6
		4 27 10:37	660	4,400	5,100						0.3
		4 28 10:59	1,500	2,700	3,300						0.3
		4 29 10:11	520	2,800	3,300						1.0
		4 30 10:22	420	2,800	3,600						0.5
		5 1 10:16	460	3,300	4,000						0.5
		5 2 10:13	370	2,900	3,600						0.7
		5 3 10:32	300	3,100	3,800						0.6
		5 4 10:41	350	3,500	4,200						0.7
		5 6 10:06	340	3,400	4,200						0.6
		5 7 11:36	290	2,700	3,200						0.6
		5 8 9:58	310	2,500	3,100						1.3
		5 9 10:19	260	2,000	2,600						0.6
		5 10 10:24	160	2,500	3,000	1,000					1.0
		5 11 10:00	150	2,000	2,500	640					0.6
		5 12 10:45	99	1,400	1,700	600			19		0.7
		5 13 10:50	120	1,800	2,200						0.7
		5 14 10:57	150	3,900	4,500	2,100			43		0.7
		5 15 10:48	190	3,000	3,600	1,200			38		0.6
		5 16 10:31	190	3,600	4,500	1,400					0.6
5 17 11:25	73	2,100	2,700	1,200					0.7		
5 18 10:12	140	4,700	6,100	1,800					0.6		
5 19 11:12	87	3,700	4,400	1,800					0.6		
5 20 10:27	94	3,500	4,600	1,200			34		0.6		
5 21 10:12	93	3,900	4,700	1,300					0.6		
5 22 9:55	81	3,600	4,500	1,100					0.6		
5 23 10:22	60	3,000	3,700	1,600					0.6		
5 24 10:34	45	1,100	1,300						0.6		
5 25 10:17	84	3,600	4,300	1,900					0.6		
5 26 11:48		3,400	4,200	980					0.6		
5 27 13:44	41	3,200	3,900	1,400					0.7		
5 28 13:30		2,900	3,700						0.6		
[72] (31km )		3 31 12:00	18,000	1,300	1,500					1.5	
		4 1 12:46	24,000	2,000	2,400					1.6	
		4 3 13:33	22,000	1,800	2,200					1.2	
		4 4 12:51	19,000	1,400	1,700					1.5	
[73] (35km )		3 31 12:39	13,000	940	1,100					1.3	
		4 1 12:02	14,000	960	1,100					1.4	
		4 3 12:57	9,900	1,200	1,400					1.2	
		4 4 12:30	8,200	650	800					1.1	
[74] (36km )	가	3 31 13:18	4,300	290	330					0.5	
		4 1 11:13	5,900	600	710					0.3	
		4 3 11:51	3,700	290	410					0.4	
		4 4 11:26	4,300	400	440					0.6	
[75] (43km )		3 31 14:03	14,000	550	650					0.7	
		4 1 10:34	20,000	1,100	1,300					0.8	
		4 3 11:19	14,000	990	1,200					0.4	
		4 4 10:50	14,000	1,200	1,300					0.7	
[76] (22km )	가 가	4 4 12:04	5,500	1,500	1,800					0.8	
		4 14 13:03	2,300	1,300	1,600					0.1	
		4 15 10:51	1,600	970	1,100					0.1	
		4 16 10:42	2,300	1,400	1,900					0.0	
		4 17 10:46	1,600	940	1,200					0.3	
		4 20 10:42	2,500	2,000	2,400					0.6	
		4 21 10:40	1,100	1,100	1,300					0.6	
		4 22 10:35	430	300	370					0.5	
		4 24 10:28	1,300	1,600	1,900					0.7	
		4 27 12:46	840	1,400	1,800					0.5	
		4 28 15:18	500	1,000	1,300					0.5	
		4 29 10:28	550	1,200	1,400					0.4	
		4 30 11:39	580	1,200	1,400					0.4	
		5 1 10:33	400	950	1,200					1.1	
		5 2 10:40	140	230	280					0.2	
		5 3 10:54	540	1,500	1,900					0.2	
		5 4 10:59	450	1,300	1,500					0.2	
		5 5 10:23	360	1,200	1,500					0.3	
		5 6 14:49	490	1,600	1,900					0.4	
		5 7 10:22	380	1,500	1,700					0.5	
		5 8 10:18	270	1,100	1,200					0.4	
		5 9 10:17	270	1,500	1,900					0.4	
		5 10 10:16	200	1,100	1,400	540				0.3	
		5 11 10:18	220	1,700	2,000	580				0.3	
		5 12 11:20	190	980	1,200					0.4	
		5 13 10:46	170	1,100	1,400	510				0.3	
		5 14 11:32	160	1,300	1,500					0.4	
		5 15 11:08	200	1,000	1,200					0.4	
		5 16 13:12	130	1,000	1,200					0.5	
		5 17 10:52	160	1,500	2,000					0.4	
		5 18 10:48	77	730	860					0.4	
		5 19 13:29	120	1,200	1,400					0.4	
5 20 11:57	120	2,200	2,600				29	0.3			
5 21 12:02	87	820	1,000					0.4			
5 22 12:20	110	1,900	2,200					0.4			
5 23 11:23	120	1,300	1,600					0.4			
5 24 12:09	87	1,200	1,500					0.4			
5 25 13:04	85	1,400	1,800					0.4			
5 26 11:50	73	1,400	1,800					0.4			
5 27 12:10	75	1,300	1,500					0.4			
5 28 11:07	28	690	830					0.3			





		( ) * 2	(Bq/kg)							( μSv/h)		
			<sup>131</sup> I	<sup>134</sup> Cs	<sup>137</sup> Cs	<sup>129m</sup> Te	<sup>132</sup> Te	<sup>136</sup> Cs	<sup>140</sup> La			
[104] (25km )	가	4 8 12:41	13,000	8,300	9,700							1.7
		4 10 16:00	8,000	6,700	7,800							2.8
		4 11 13:10	11,000	8,000	9,500							2.6
		4 12 13:14	11,000	10,000	12,000							2.4
		4 17 9:53	5,400	5,600	6,600							1.6
		4 18 11:47	3,900	5,300	6,200							3.4
		4 20 14:45	3,700	9,500	11,000							1.6
		4 21 12:20	4,000	8,000	9,800							1.8
		4 22 13:55	5,800	8,900	10,000							1.2
		4 24 12:24	2,800	8,400	9,900							1.7
		4 25 11:55	4,100	9,200	11,000							1.7
		4 28 12:12	2,000	6,700	8,100							0.8
		4 29 12:09	2,700	11,000	13,000							1.6
		4 30 13:01	2,700	10,000	13,000							1.3
		5 1 12:06	3,500	13,000	16,000							1.7
		5 2 14:42	1,800	8,400	10,000							1.1
		5 3 13:51	2,400	18,000	22,000							1.1
		5 4 15:53	1,300	7,100	8,400							1.3
		5 5 12:18	1,800	16,000	19,000							1.7
		5 6 11:15	1,900	14,000	18,000							1.6
		5 7 12:24	800	6,100	7,100							1.2
		5 8 14:03	1,700	11,000	14,000							1.4
		5 9 12:04	910	8,800	11,000							1.3
		5 10 11:20	1,100	8,800	11,000	5,000		110				1.4
		5 11 11:06	720	5,800	7,200	2,900		80				1.3
		5 12 13:43	500	4,600	5,600	1,600						1.4
		5 13 14:04	360	5,900	7,100	1,200		73	24			1.3
		5 14 13:37	400	4,500	5,400	1,700						1.3
		5 15 14:00	580	6,800	8,300	2,700		64				1.5
		5 16 14:14	310	4,800	5,700	1,900						1.3
		5 17 13:36	540	8,800	11,000	3,000		63				1.3
		5 18 13:14	740	14,000	17,000	5,500		81				1.4
		5 19 10:11	500	7,900	9,800	4,700		60				1.3
5 20 10:38	560	7,300	8,800	3,000						1.2		
5 21 10:14	540	12,000	15,000	4,900						1.2		
5 22 10:06	450	11,000	13,000	4,000						1.3		
5 23 9:52	440	12,000	15,000	5,700						1.4		
5 24 10:05	170	3,500	4,300	920						1.4		
5 25 10:29	120	2,300	2,800	1,000						1.4		
5 26 10:28	170	5,100	6,200	1,800						1.3		
5 27 10:20	180	5,300	6,800	1,400						1.1		
5 28 12:23	320	12,000	14,000	2,200				<sup>95</sup> Nb : 65		1.5		
4 8 11:20	5,100	2,000	2,400							1.1		
4 10 12:00	4,400	2,100	2,600							1.5		
4 11 10:59	4,400	2,000	2,400							0.5		
4 13 13:18	2,300	1,300	1,600							0.3		
4 8 12:06	1,300	940	1,200							0.6		
4 10 12:46	770	1,100	1,400							1.2		
4 11 10:11	700	870	1,100							0.6		
4 13 12:20	610	840	970							0.5		
4 8 13:21	5,800	4,400	5,300							2.8		
4 10 12:32	8,000	9,600	12,000							2.2		
4 11 12:39	6,000	8,900	11,000							3.3		
4 13 18:45	13,000	17,000	21,000							3.1		
4 15 13:37	4,600	7,000	8,200							2.3		
4 17 12:31	4,800	9,000	11,000							2.4		
4 18 13:17	5,200	10,000	12,000							1.6		
4 20 14:08	3,800	8,400	10,000							1.4		
4 21 13:22	1,800	6,800	8,500							1.9		
4 22 13:21	2,600	8,600	11,000							1.2		
4 24 14:38	1,800	8,000	9,700							2.2		
4 25 13:50	3,100	13,000	15,000							2.2		
4 26 12:54	3,100	9,000	11,000							1.6		
4 27 13:08	2,500	11,000	14,000							1.3		
4 28 14:04	1,200	12,000	15,000							2.0		
4 29 12:32	2,000	11,000	14,000							2.3		
4 30 13:12	990	6,300	7,600							1.7		
5 1 12:01	920	6,100	7,600							1.9		
5 2 12:09	460	760	990							1.8		
5 3 12:51	380	1,400	1,900							1.6		
5 4 13:11	940	7,400	8,800							1.8		
5 5 10:39	610	5,900	7,100							1.7		
5 6 12:33	840	7,800	9,700							1.8		
5 7 14:10	260	1,900	2,400							1.2		
5 8 12:16	340	3,400	4,100							1.7		
5 9 12:30	230	3,000	3,600							1.6		
5 10 13:06	760	11,000	14,000	4,300		100	39			2.3		
5 11 12:37	500	8,200	10,000	3,100		98		<sup>110m</sup> Ag 85		2.1		
5 12 13:32	360	6,100	7,700	3,000		64	21	<sup>110m</sup> Ag 60		2.0		
5 13 13:37	270	6,800	8,400	2,600		78	21	<sup>110m</sup> Ag 50		2.0		
5 14 13:33	220	6,700	8,100	2,600		49				1.8		
5 15 13:13	270	6,300	7,900	3,300			21			1.8		
5 16 12:49	390	9,200	12,000	5,000						2.0		
5 17 13:12	320	8,400	10,000	3,000		54	28	<sup>110m</sup> Ag 67		1.7		
5 18 12:59	150	3,800	4,800	1,900						1.8		
5 19 14:02	310	10,000	13,000	3,900		77				1.7		
5 20 12:26	150	7,200	9,000	2,300		42	28	<sup>110m</sup> Ag 59		1.9		
5 21 12:22	310	11,000	14,000	4,100		80		<sup>110m</sup> Ag 130		1.8		
5 22 12:05	130	7,300	9,100	2,200				<sup>110m</sup> Ag 89		1.7		
5 23 12:50	310	11,000	14,000	3,800			25	<sup>110m</sup> Ag 110		1.7		
5 24 13:00	51	1,900	2,400							1.7		
5 25 13:04	160	11,000	14,000	2,800				<sup>110m</sup> Ag 110		1.8		
5 26 14:17	290	8,100	11,000					<sup>110m</sup> Ag 68		1.9		
5 27 11:15	130	10,000	13,000	2,600		54				1.9		
5 28 11:34	57	4,500	5,600	2,000						1.8		

[104]

[105]

[106]

[107]

Site ID	Distance (km)	Direction	Time (h:m)	Radionuclides (Bq/kg)									Dose Rate (μSv/h)	Reference																		
				$^{131}\text{I}$	$^{134}\text{Cs}$	$^{137}\text{Cs}$	$^{129\text{m}}\text{Te}$	$^{132}\text{Te}$	$^{136}\text{Cs}$	$^{140}\text{La}$																						
[108]	30km		4 8 13:52	3,500	9,300	11,000																				3.5	[108]					
			4 10 12:51	8,500	12,000	15,000																								2.7		
			5 23 10:37	120	4,500	5,400	1,200																								1.2	
			[32]	37km		5 23 14:51	430	25,000	31,000	6,500			130																		5.3	[32]

$^{129\text{m}}\text{Te}$ ,  $^{132}\text{Te}$ ,  $^{136}\text{Cs}$ ,  $^{140}\text{La}$

11 5cm  
12 ( ) 가 5mm  
13