

UNCLASSIFIED

Reference Slide  
4/6 0745

# Wind Data for Explosions of Reactor 1 & 3

Explosion Date	Reactor 1: 12 MAR 1536				Reactor 3: 14 MAR 1101			
	Category	Date/Time	Wind Direction	Wind Speed (m/s)	Date/Time	Wind Direction	Wind Speed (m/s)	
JMA (AMEDAS) Onahama (S55Km)	4/12	15:00	S	5.5	4/14	11:00	S	3.9
		16:00	S	4.8		12:00	S	3.0
		17:00	S	4.4		13:00	S	3.9
		18:00	S	2.5		14:00	S	2.5
JMA (AMEDAS) Hirono (S20Km)	4/12	15:00	SSE	3.6	4/14	No Data		
		16:00	SSE	2.9				
		17:00	S	2.3				
		18:00	SSW	1.3				
JMA (SPEEDI) Fukushima Daiichi NPP	4/12	No Data			4/14	11:00	WSW	4.8
						12:00	W	5.2
						13:00	W	5.7
						14:00	W	5.9



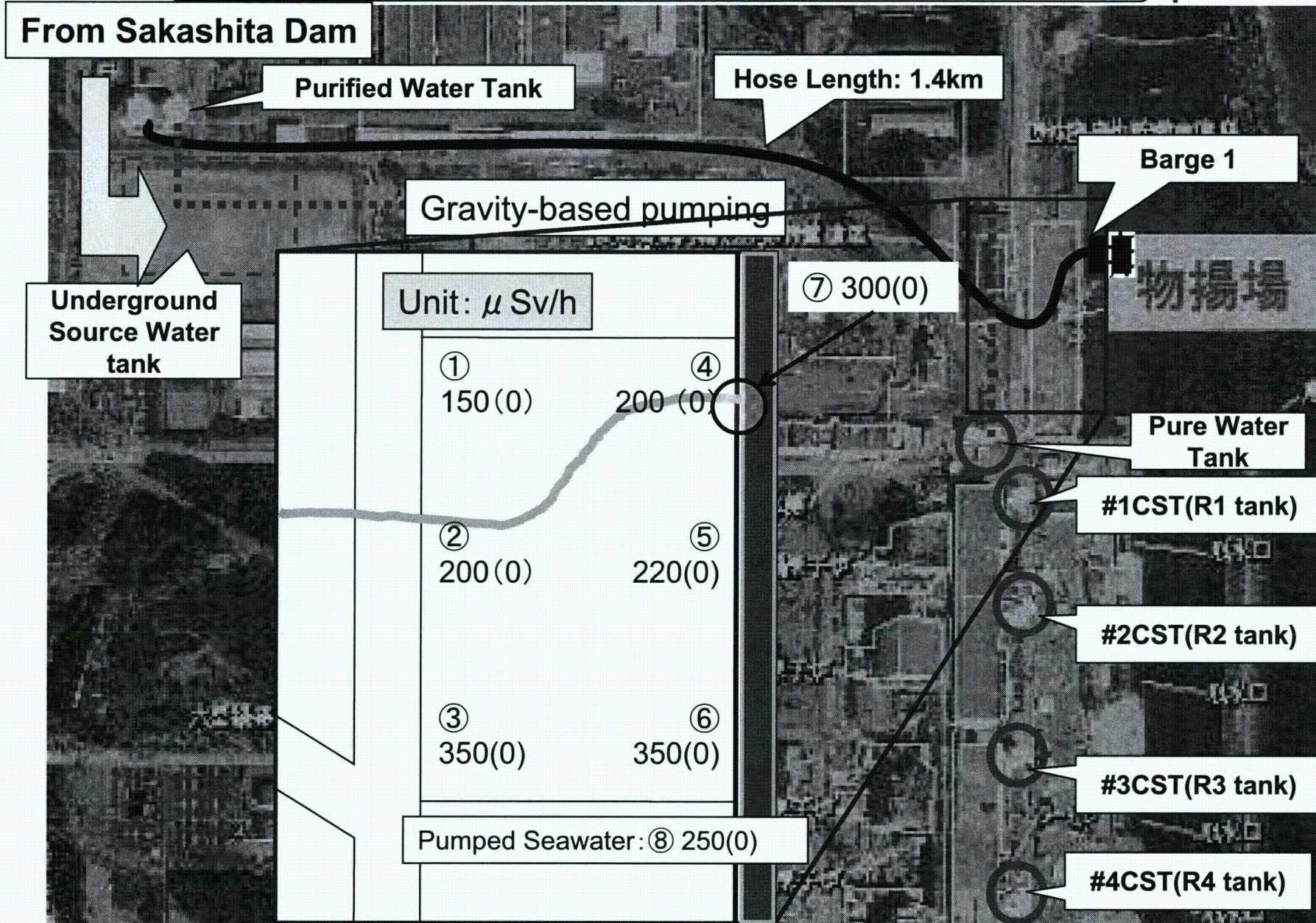
Source: JMA

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Backup Slide  
4/6 0745

# Power Plant Radiological Readings (4/3 0700)

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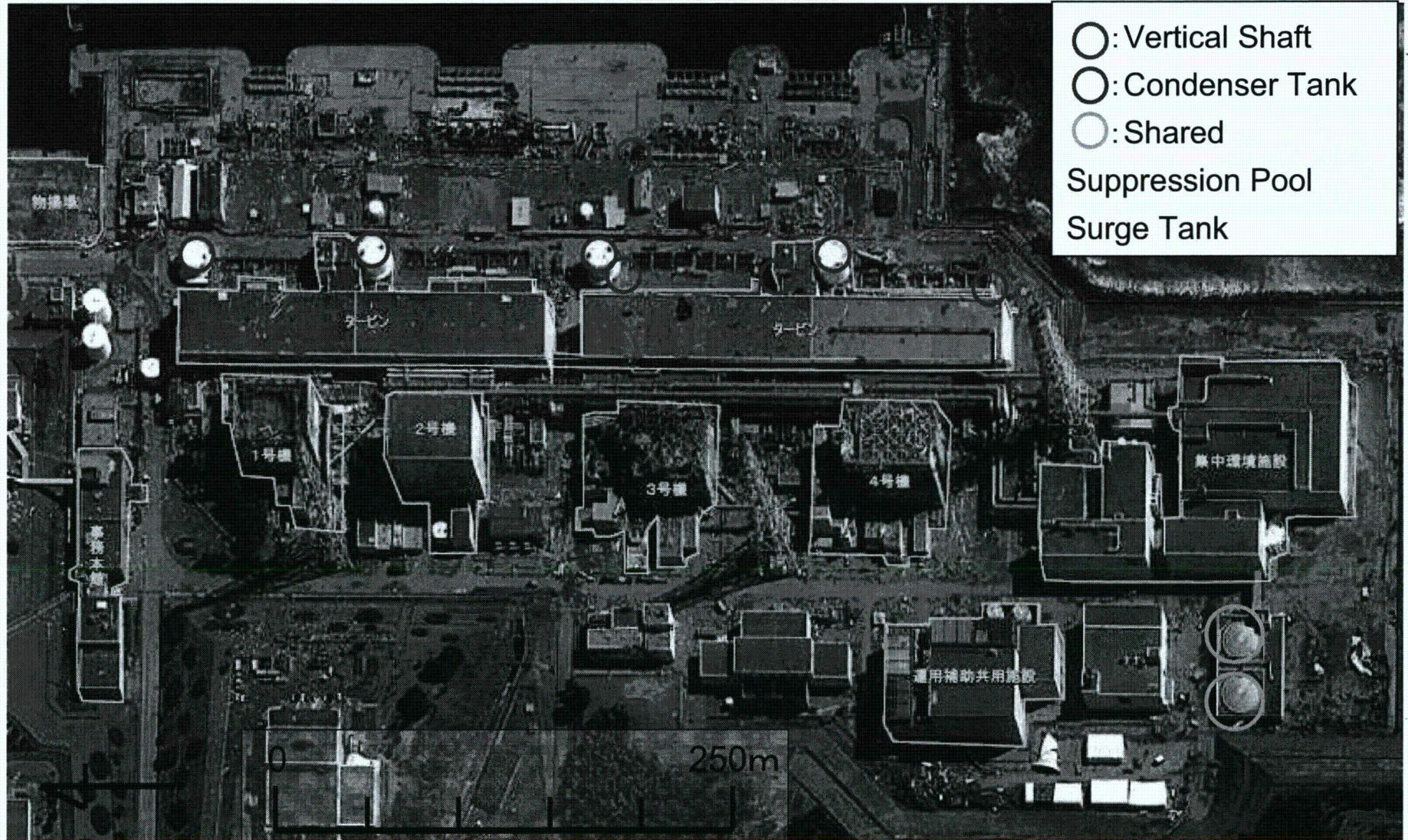
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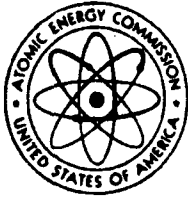
# Collection Priorities

	JSO Focus	Details	JDIH Collection Priorities
Nuclear Power Plant	Support to Local Residents (Evacuation/Deco ntamination)	◇ Are there any residents near the NPP that needs JSDF support? What type of support is needed?	◇ Status of the Power Plant - Detailed Status - Accumulative Radiation of Area - Monitoring Results - Radiation of Nearby Bases - Radiation Measurements
		◇ What type of protection is needed for the SDF members during this task?	
		◇ Is the infrastructure in place to complete this task?	◇ Status of the Lifeline, MSR, Airports, Seaports
	Nuclear Reactor Cooling Operations	◇ Does the SDF need to do freshwater hosing ops? How much assets will be needed to complete it?	◇ Status of the Power Plant - Detailed Status - Accumulative Radiation of Area - Monitoring Results
◇ What type of protection is needed for the SDF members during this task?			
		◇ Is the infrastructure in place to complete this task?	◇ Status of the Lifeline, MSR, Airports, Seaports
HA/DR	Life Support Supplies Transport Reconstruction	◇ What is the estimated requirement?	◇ Human Damage Levels
		◇ Is the infrastructure in place to complete this task?	◇ Status of the Lifeline, MSR, Airports, Seaports
	Search and Rescue/Recovery efforts	◇ What is the estimated requirement?	◇ Human Damage Levels
		◇ Is the infrastructure in place to complete this task?	◇ Status of MSR, Airports, Seaports

# Fukushima Daiichi NPP

UNCLASSIFIED





June 1974

U.S. ATOMIC ENERGY COMMISSION

# REGULATORY GUIDE

DIRECTORATE OF REGULATORY STANDARDS

## REGULATORY GUIDE 1.86

### TERMINATION OF OPERATING LICENSES FOR NUCLEAR REACTORS

#### A. INTRODUCTION

Section 50.51, "Duration of license, renewal," of 10 CFR Part 50, "Licensing of Production and Utilization Facilities," requires that each license to operate a production and utilization facility be issued for a specified duration. Upon expiration of the specified period, the license may be either renewed or terminated by the Commission. Section 50.82, "Applications for termination of licenses," specifies the requirements that must be satisfied to terminate an operating license, including the requirement that the dismantlement of the facility and disposal of the component parts not be inimical to the common defense and security or to the health and safety of the public. This guide describes methods and procedures considered acceptable by the Regulatory staff for the termination of operating licenses for nuclear reactors. The Advisory Committee on Reactor Safeguards has been consulted concerning this guide and has concurred in the regulatory position.

#### B. DISCUSSION

When a licensee decides to terminate his nuclear reactor operating license, he may, as a first step in the process, request that his operating license be amended to restrict him to possess but not operate the facility. The advantage to the licensee of converting to such a possession-only license is reduced surveillance requirements in that periodic surveillance of equipment important to the safety of reactor operation is no longer required. Once this possession-only license is issued, reactor operation is not permitted. Other activities related to cessation of operations such as unloading fuel from the reactor and placing it in storage (either onsite or offsite) may be continued.

A licensee having a possession-only license must retain, with the Part 50 license, authorization for special nuclear material (10 CFR Part 70, "Special Nuclear Material"), byproduct material (10 CFR Part 30, "Rules of General Applicability to Licensing of Byproduct Material"), and source material (10 CFR Part 40, "Licensing of Source Material"), until the fuel, radioactive components, and sources are removed from the facility. Appropriate administrative controls and facility requirements are imposed by the Part 50 license and the technical specifications to assure that proper surveillance is performed and that the reactor facility is maintained in a safe condition and not operated.

A possession-only license permits various options and procedures for decommissioning, such as mothballing, entombment, or dismantling. The requirements imposed depend on the option selected.

Section 50.82 provides that the licensee may dismantle and dispose of the component parts of a nuclear reactor in accordance with existing regulations. For research reactors and critical facilities, this has usually meant the disassembly of a reactor and its shipment offsite, sometimes to another appropriately licensed organization for further use. The site from which a reactor has been removed must be decontaminated, as necessary, and inspected by the Commission to determine whether unrestricted access can be approved. In the case of nuclear power reactors, dismantling has usually been accomplished by shipping fuel offsite, making the reactor inoperable, and disposing of some of the radioactive components.

Radioactive components may be either shipped off-site for burial at an authorized burial ground or secured

#### USAEC REGULATORY GUIDES

Regulatory Guides are issued to describe and make available to the public methods acceptable to the AEC Regulatory staff of implementing specific parts of the Commission's regulations, to delineate techniques used by the staff in evaluating specific problems or postulated accidents, or to provide guidance to applicants. Regulatory Guides are not substitutes for regulations and compliance with them is not required. Methods and solutions different from those set out in the guides will be acceptable if they provide a basis for the findings requisite to the issuance or continuance of a permit or license by the Commission.

Published guides will be revised periodically, as appropriate, to accommodate comments and to reflect new information or experience.

Copies of published guides may be obtained by request indicating the divisions desired to the U.S. Atomic Energy Commission, Washington, D.C. 20545, Attention: Director of Regulatory Standards. Comments and suggestions for improvements in these guides are encouraged and should be sent to the Secretary of the Commission, U.S. Atomic Energy Commission, Washington, D.C. 20545, Attention: Chief, Public Proceedings Staff.

The guides are issued in the following ten broad divisions:

- |                                   |                        |
|-----------------------------------|------------------------|
| 1. Power Reactors                 | 6. Products            |
| 2. Research and Test Reactors     | 7. Transportation      |
| 3. Fuels and Materials Facilities | 8. Occupational Health |
| 4. Environmental and Siting       | 9. Antitrust Review    |
| 5. Materials and Plant Protection | 10. General            |

on the site. Those radioactive materials remaining on the site must be isolated from the public by physical barriers or other means to prevent public access to hazardous levels of radiation. Surveillance is necessary to assure the long term integrity of the barriers. The amount of surveillance required depends upon (1) the potential hazard to the health and safety of the public from radioactive material remaining on the site and (2) the integrity of the physical barriers. Before areas may be released for unrestricted use, they must have been decontaminated or the radioactivity must have decayed to less than prescribed limits (Table I).

The hazard associated with the retired facility is evaluated by considering the amount and type of remaining contamination, the degree of confinement of the remaining radioactive materials, the physical security provided by the confinement, the susceptibility to release of radiation as a result of natural phenomena, and the duration of required surveillance.

### C. REGULATORY POSITION

#### 1. APPLICATION FOR A LICENSE TO POSSESS BUT NOT OPERATE (POSSESSION-ONLY LICENSE)

A request to amend an operating license to a possession-only license should be made to the Director of Licensing, U.S. Atomic Energy Commission, Washington, D.C. 20545. The request should include the following information:

- a. A description of the current status of the facility.
- b. A description of measures that will be taken to prevent criticality or reactivity changes and to minimize releases of radioactivity from the facility.
- c. Any proposed changes to the technical specifications that reflect the possession-only facility status and the necessary disassembly/retirement activities to be performed.
- d. A safety analysis of both the activities to be accomplished and the proposed changes to the technical specifications.
- e. An inventory of activated materials and their location in the facility.

#### 2. ALTERNATIVES FOR REACTOR RETIREMENT

Four alternatives for retirement of nuclear reactor facilities are considered acceptable by the Regulatory staff. These are:

a. **Mothballing.** Mothballing of a nuclear reactor facility consists of putting the facility in a state of protective storage. In general, the facility may be left intact except that all fuel assemblies and the radioactive

fluids and waste should be removed from the site. Adequate radiation monitoring, environmental surveillance, and appropriate security procedures should be established under a possession-only license to ensure that the health and safety of the public is not endangered.

b. **In-Place Entombment.** In-place entombment consists of sealing all the remaining highly radioactive or contaminated components (e.g., the pressure vessel and reactor internals) within a structure integral with the biological shield after having all fuel assemblies, radioactive fluids and wastes, and certain selected components shipped offsite. The structure should provide integrity over the period of time in which significant quantities (greater than Table I levels) of radioactivity remain with the material in the entombment. An appropriate and continuing surveillance program should be established under a possession-only license.

c. **Removal of Radioactive Components and Dismantling.** All fuel assemblies, radioactive fluids and waste, and other materials having activities above accepted unrestricted activity levels (Table I) should be removed from the site. The facility owner may then have unrestricted use of the site with no requirement for a license. If the facility owner so desires, the remainder of the reactor facility may be dismantled and all vestiges removed and disposed of.

d. **Conversion to a New Nuclear System or a Fossil Fuel System.** This alternative, which applies only to nuclear power plants, utilizes the existing turbine system with a new steam supply system. The original nuclear steam supply system should be separated from the electric generating system and disposed of in accordance with one of the previous three retirement alternatives.

#### 3. SURVEILLANCE AND SECURITY FOR THE RETIREMENT ALTERNATIVES WHOSE FINAL STATUS REQUIRES A POSSESSION-ONLY LICENSE

A facility which has been licensed under a possession-only license may contain a significant amount of radioactivity in the form of activated and contaminated hardware and structural materials. Surveillance and commensurate security should be provided to assure that the public health and safety are not endangered.

a. Physical security to prevent inadvertent exposure of personnel should be provided by multiple locked barriers. The presence of these barriers should make it extremely difficult for an unauthorized person to gain access to areas where radiation or contamination levels exceed those specified in Regulatory Position C.4. To prevent inadvertent exposure, radiation areas above 5 mR/hr, such as near the activated primary system of a power plant, should be appropriately marked and should not be accessible except by cutting of welded closures or the disassembly and removal of substantial structures



and/or shielding material. Means such as a remote-readout intrusion alarm system should be provided to indicate to designated personnel when a physical barrier is penetrated. Security personnel that provide access control to the facility may be used instead of the physical barriers and the intrusion alarm systems.

b. The physical barriers to unauthorized entrance into the facility, e.g., fences, buildings, welded doors, and access openings, should be inspected at least quarterly to assure that these barriers have not deteriorated and that locks and locking apparatus are intact.

c. A facility radiation survey should be performed at least quarterly to verify that no radioactive material is escaping or being transported through the containment barriers in the facility. Sampling should be done along the most probable path by which radioactive material such as that stored in the inner containment regions could be transported to the outer regions of the facility and ultimately to the environs.

d. An environmental radiation survey should be performed at least semiannually to verify that no significant amounts of radiation have been released to the environment from the facility. Samples such as soil, vegetation, and water should be taken at locations for which statistical data has been established during reactor operations.

e. A site representative should be designated to be responsible for controlling authorized access into and movement within the facility.

f. Administrative procedures should be established for the notification and reporting of abnormal occurrences such as (1) the entrance of an unauthorized person or persons into the facility and (2) a significant change in the radiation or contamination levels in the facility or the offsite environment.

g. The following reports should be made:

(1) An annual report to the Director of Licensing, U.S. Atomic Energy Commission, Washington, D.C. 20545, describing the results of the environmental and facility radiation surveys, the status of the facility, and an evaluation of the performance of security and surveillance measures.

(2) An abnormal occurrence report to the Regulatory Operations Regional Office by telephone within 24 hours of discovery of an abnormal occurrence. The abnormal occurrence will also be reported in the annual report described in the preceding item.

h. Records or logs relative to the following items should be kept and retained until the license is terminated, after which they may be stored with other plant records:

- (1) Environmental surveys;
- (2) Facility radiation surveys,
- (3) Inspections of the physical barriers, and
- (4) Abnormal occurrences.

#### 4. DECONTAMINATION FOR RELEASE FOR UNRESTRICTED USE

If it is desired to terminate a license and to eliminate any further surveillance requirements, the facility should be sufficiently decontaminated to prevent risk to the public health and safety. After the decontamination is satisfactorily accomplished and the site inspected by the Commission, the Commission may authorize the license to be terminated and the facility abandoned or released for unrestricted use. The licensee should perform the decontamination using the following guidelines:

a. The licensee should make a reasonable effort to eliminate residual contamination.

b. No covering should be applied to radioactive surfaces of equipment or structures by paint, plating, or other covering material until it is known that contamination levels (determined by a survey and documented) are below the limits specified in Table I. In addition, a reasonable effort should be made (and documented) to further minimize contamination prior to any such covering.

c. The radioactivity of the interior surfaces of pipes, drain lines, or ductwork should be determined by making measurements at all traps and other appropriate access points, provided contamination at these locations is likely to be representative of contamination on the interior of the pipes, drain lines, or ductwork. Surfaces of premises, equipment, or scrap which are likely to be contaminated but are of such size, construction, or location as to make the surface inaccessible for purposes of measurement should be assumed to be contaminated in excess of the permissible radiation limits.

d. Upon request, the Commission may authorize a licensee to relinquish possession or control of premises, equipment, or scrap having surfaces contaminated in excess of the limits specified. This may include, but is not limited to, special circumstances such as the transfer of premises to another licensed organization that will continue to work with radioactive materials. Requests for such authorization should provide:

(1) Detailed, specific information describing the premises, equipment, scrap, and radioactive contaminants and the nature, extent, and degree of residual surface contamination.

(2) A detailed health and safety analysis indicating that the residual amounts of materials on surface areas, together with other considerations such as the prospective use of the premises, equipment, or scrap, are unlikely to result in an unreasonable risk to the health and safety of the public.

e. Prior to release of the premises for unrestricted use, the licensee should make a comprehensive radiation survey establishing that contamination is within the limits specified in Table I. A survey report should be filed with the Director of Licensing, U.S. Atomic Energy Commission, Washington, D.C. 20545, with a copy to the Director of the Regulatory Operations Regional Office having jurisdiction. The report should be filed at least 30 days prior to the planned date of abandonment. The survey report should:

(1) Identify the premises;

(2) Show that reasonable effort has been made to reduce residual contamination to as low as practicable levels;

(3) Describe the scope of the survey and the general procedures followed; and

(4) State the finding of the survey in units specified in Table I.

After review of the report, the Commission may inspect the facilities to confirm the survey prior to granting approval for abandonment.

## 5. REACTOR RETIREMENT PROCEDURES

As indicated in Regulatory Position C.2, several alternatives are acceptable for reactor facility retirement. If minor disassembly or "mothballing" is planned, this could be done by the existing operating and maintenance procedures under the license in effect. Any planned actions involving an unreviewed safety question

or a change in the technical specifications should be reviewed and approved in accordance with the requirements of 10 CFR §50.59.

If major structural changes to radioactive components of the facility are planned, such as removal of the pressure vessel or major components of the primary system, a dismantlement plan including the information required by §50.82 should be submitted to the Commission. A dismantlement plan should be submitted for all the alternatives of Regulatory Position C.2 except mothballing. However, minor disassembly activities may still be performed in the absence of such a plan, provided they are permitted by existing operating and maintenance procedures. A dismantlement plan should include the following:

a. A description of the ultimate status of the facility

b. A description of the dismantling activities and the precautions to be taken.

c. A safety analysis of the dismantling activities including any effluents which may be released.

d. A safety analysis of the facility in its ultimate status.

Upon satisfactory review and approval of the dismantling plan, a dismantling order is issued by the Commission in accordance with §50.82. When dismantling is completed and the Commission has been notified by letter, the appropriate Regulatory Operations Regional Office inspects the facility and verifies completion in accordance with the dismantlement plan. If residual radiation levels do not exceed the values in Table I, the Commission may terminate the license. If these levels are exceeded, the licensee retains the possession-only license under which the dismantling activities have been conducted or, as an alternative, may make application to the State (if an Agreement State) for a byproduct materials license.

**TABLE I**  
**ACCEPTABLE SURFACE CONTAMINATION LEVELS**

NUCLIDE <sup>a</sup>	AVERAGE <sup>b c</sup>	MAXIMUM <sup>b d</sup>	REMOVABLE <sup>b e</sup>
U-nat, U-235, U-238, and associated decay products	5,000 dpm $\alpha$ /100 cm <sup>2</sup>	15,000 dpm $\alpha$ /100 cm <sup>2</sup>	1,000 dpm $\alpha$ /100 cm <sup>2</sup>
Transuranics, Ra-226, Ra-228, Th-230, Th-228, Pa-231, Ac-227, I-125, I-129	100 dpm/100 cm <sup>2</sup>	300 dpm/100 cm <sup>2</sup>	20 dpm/100 cm <sup>2</sup>
Th-nat, Th-232, Sr-90, Ra-223, Ra-224, U-231, I-126, I-131, I-133	1000 dpm/100 cm <sup>2</sup>	3000 dpm/100 cm <sup>2</sup>	200 dpm/100 cm <sup>2</sup>
Beta-gamma emitters (nuclides with decay modes other than alpha emission or spontaneous fission) except Sr-90 and others noted above.	5000 dpm $\beta$ - $\gamma$ /100 cm <sup>2</sup>	15,000 dpm $\beta$ - $\gamma$ /100 cm <sup>2</sup>	1000 dpm $\beta$ - $\gamma$ /100 cm <sup>2</sup>

<sup>a</sup>Where surface contamination by both alpha- and beta-gamma-emitting nuclides exists, the limits established for alpha- and beta-gamma-emitting nuclides should apply independently.

<sup>b</sup>As used in this table, dpm (disintegrations per minute) means the rate of emission by radioactive material as determined by correcting the counts per minute observed by an appropriate detector for background, efficiency, and geometric factors associated with the instrumentation.

<sup>c</sup>Measurements of average contaminant should not be averaged over more than 1 square meter. For objects of less surface area, the average should be derived for each such object.

<sup>d</sup>The maximum contamination level applies to an area of not more than 100 cm<sup>2</sup>.

<sup>e</sup>The amount of removable radioactive material per 100 cm<sup>2</sup> of surface area should be determined by wiping that area with dry filter or soft absorbent paper, applying moderate pressure, and assessing the amount of radioactive material on the wipe with an appropriate instrument of known efficiency. When removable contamination on objects of less surface area is determined, the pertinent levels should be reduced proportionally and the entire surface should be wiped.









New information since last report

DOE Low-Volume Air Sampler (Embassy Rooftop)

Date	Time	Measurement Type	Raw Value	Measurement Unit	Location	Lat/Long	Equipment Type	Run Time	Start/Stop Air Flow (CFM)	Total Volume (SCF)
03/26/11	15:42	Gamma	0.016	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00463C	24 hr 13 min	.78/.78	1135.59
03/27/11	15:43	Gamma	0.020	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	23 hr 55 min	.83/.81	1192.11
03/28/11	16:10	Gamma	0.021	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	24 hr 10 min	.81/.79	1151.17
03/29/11	16:04	Gamma	0.035	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	23 hr 52 min	.80/.76	1122.14
03/30/11	16:05	Gamma	0.022	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	24 hr 00 min	.78/.76	1106.40
03/31/11	16:06	Gamma	0.024	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	24 hr 00 min	.78/.77	1119.00
04/01/11	18:14	Gamma	0.023	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	26 hr 04 min	.79/.78	1219.00
04/02/11	16:16	Gamma	0.031	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	22 hr 01 min	.80/.74	1007.07
04/03/11	16:03	Gamma	0.018	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	23 hr 41 min	.75/.78	1181.61
04/04/11	16:05	Gamma	0.023	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	24 hr 00 min	.79/.79	1131.53
04/05/11	16:55	Gamma	0.020	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	24 hr 50 min	.79/.78	1185.41
04/06/11	16:00	Gamma	0.021	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	22 hr 47 min	.77/.73	1043.31
04/07/11	16:00	Gamma	0.028	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	24 hr 00 min	.77/.75	1108.10
04/08/11	16:00	Gamma	0.020	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	24 hr 00 min	.76/.75	1091.80
04/09/11	15:57	Gamma	0.021	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	23 hr 53 min	.77/.74	1084.25
04/10/11	16:00	Gamma	0.016	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	24 hr 04 min	.77/.75	1092.75
04/11/11	15:55	Gamma	0.022	mR/h	Embassy Rooftop	35.668 139.743	AN/PDR-77 S/N 00795C	23 hr 46 min	.76/.73	1075.00

Embassy Low-Volume Air Sampler Gamma Readings (03/26/11 - Present)



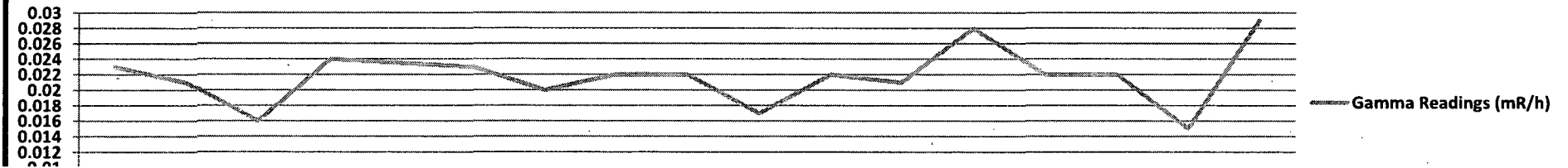


New information since last report

DOE Low-Volume Air Sampler (Harris Tower Rooftop)

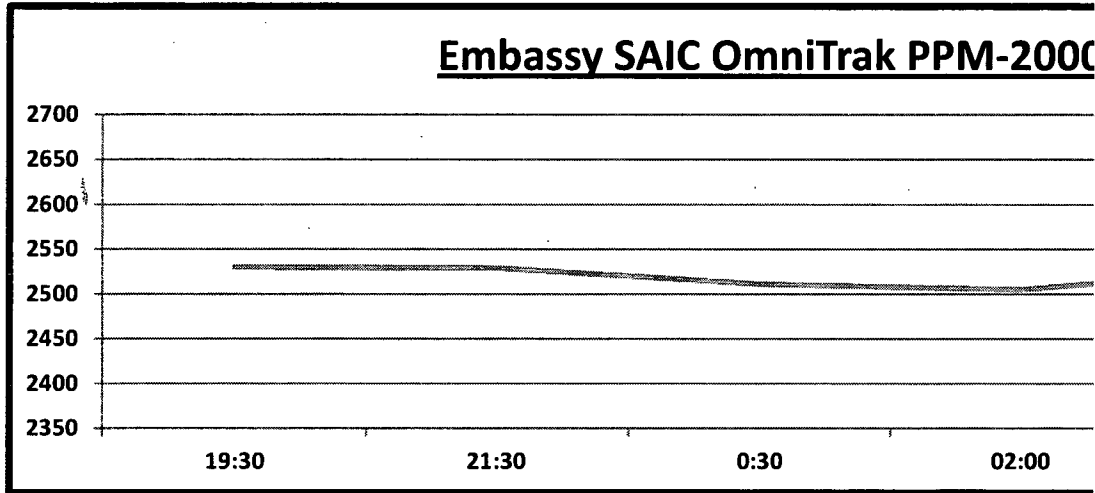
Date	Time	Measurement Type	Raw Value	Measurement Unit	Location	Lat/Long	Equipment Type	Run Time	Start/Stop Air Flow (CFM)	Total Volume (SCF)
03/26/11	12:46	Gamma	0.023	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00463C	24 hr 00 min	1.05/1.04	1484.76
03/27/11	13:00	Gamma	0.021	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00463C	24 hr 08 min	1.06/1.05	1495.60
03/28/11	13:18	Gamma	0.016	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	Unknown	1.06/Unknown	Unknown
03/29/11	13:29	Gamma	0.024	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	24 hr 09 min	1.06/1.04	1521.18
03/31/11	12:15	Gamma	0.023	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	46 hr 45 min	1.05/1.04	2870.00
04/01/11	12:18	Gamma	0.020	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	24 hr 00 min	1.05/1.02	1482.00
04/02/11	12:45	Gamma	0.022	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	24 hr 25 min	1.04/1.02	1481.00
04/03/11	12:30	Gamma	0.022	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	23 hr 43 min	1.03/1.02	1438.67
04/04/11	12:40	Gamma	0.017	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	24 hr 09 min	1.04/1.02	1465.58
04/05/11	12:40	Gamma	0.022	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	24 hr 09 min	1.00/99	1426.10
04/06/11	12:00	Gamma	0.021	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	24 hr 23 min	1.03/1.00	1477.54
04/07/11	13:20	Gamma	0.028	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	24 hr 12 min	1.02/98	1446.35
04/08/11	13:03	Gamma	0.022	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	23 hr 24 min	.99/98	1378.25
04/09/11	13:10	Gamma	0.022	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	24 hr 04 min	.98/97	1404.20
04/10/11	12:55	Gamma	0.015	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	23 hr 44 min	.97/97	1377.00
04/11/11	12:50	Gamma	0.029	mR/h	Harris Tower	35.667 139.737	AN/PDR-77 S/N 00795C	23 hr 48 min	.98/95	1372.50

Harris Tower Low-Volume Air Sampler Gamma Readings (03/26/11 - Present)



New information since last report

SAIC OmniTrak PPM-2000 (Gamma)						
Date	Time	Raw Value	Measurement Unit	Measurement Type	Lat/Long	Daily Average Value (CPM)
03/28/11	19:30	2530	CPM	Gamma	35.668 139.743	2529.50
03/28/11	21:30	2529	CPM	Gamma	35.668 139.743	
03/29/11	0:30	2511	CPM	Gamma	35.668 139.743	2477.80
03/29/11	02:00	2505	CPM	Gamma	35.668 139.743	
03/29/11	04:00	2530	CPM	Gamma	35.668 139.743	
03/29/11	06:00	2488	CPM	Gamma	35.668 139.743	
03/29/11	08:15	2355	CPM	Gamma	35.668 139.743	





3/19/11 0238	3/19/11 1538	0.01	720	<5.0E-10
3/19/11 0335	3/19/11 1635	0.01	675	<5.0E-10
3/19/11 0430	3/19/11 1730	0.01	585	<5.0E-10
3/19/11 0530	3/19/11 1830	0.01	585	<5.0E-10
3/19/11 0630	3/19/11 1930	0.01	450	<5.0E-10
3/19/11 0730	3/19/11 2030	0.01	495	<5.0E-10
3/19/11 0830	3/19/11 2130	0.01	<450	<5.0E-10
3/19/11 0930	3/19/11 2230	0.01	450	<5.0E-10
3/19/11 1030	3/19/11 2330	0.01	495	<5.0E-10
3/19/11 1130	3/20/11 0030	0.01	450	<5.0E-10
3/19/11 1230	3/20/11 0130	0.01	495	<5.0E-10
3/19/11 1330	3/20/11 0230	0.01	495	<5.0E-10
3/19/11 1430	3/20/11 0330	0.01	495	<5.0E-10
3/19/11 1630	3/20/11 0530	0.01	<450	<5.0E-10
3/19/11 1730	3/20/11 0630	0.01	<450	<5.0E-10
3/19/11 1831	3/20/11 0731	0.01	<450	6.0E-10
3/19/11 1932	3/20/11 0832	0.01	540	5.5E-10
3/19/11 2031	3/20/11 0931	0.01	450	5.5E-10
3/19/11 2128	3/20/11 1028	0.01	495	6.5E-10
3/19/11 2228	3/20/11 1128	0.01	450	5.5E-10
3/19/11 2338	3/20/11 1238	0.01	540	5.0E-10
3/20/11 0027	3/20/11 1327	0.01	495	5.0E-10
3/20/11 0130	3/20/11 1430	0.01	450	5.5E-10
3/20/11 0230	3/20/11 1530	0.01	<450	5.0E-10
3/20/11 0325	3/20/11 1625	0.01	450	<5.0E-10
3/20/11 0520	3/20/11 1820	0.01	450	5.5E-10
3/20/11 0630	3/20/11 1930	0.01	3,150	<5.0E-10
3/20/11 0730	3/20/11 2030	0.01	2,475	<5.0E-10
3/20/11 0830	3/20/11 2130	0.01	2,475	<5.0E-10
3/20/11 0930	3/20/11 2230	0.01	2,025	<5.0E-10
3/20/11 1030	3/20/11 2330	0.01	2,700	<5.0E-10
3/20/11 1130	3/21/11 0030	0.01	7,200	<5.0E-10
3/20/11 1230	3/21/11 0130	0.01	7,200	<5.0E-10
3/20/11 1330	3/21/11 0230	0.01	7,200	<5.0E-10

3/20/11 1430	3/21/11 0330	0.01	7,200	<5.0E-10						
3/20/11 1530	3/21/11 0430	0.01	7,200	<5.0E-10						
3/20/11 1630	3/21/11 0530	0.01	7,200	<5.0E-10						
3/20/11 1730	3/21/11 0630	0.01	7,200	<5.0E-10						
3/20/11 1830	3/21/11 0730	0.01	7,200	<5.0E-10						
3/20/11 1928	3/21/11 0828	0.01	7,200	<5.0E-10						
3/20/11 2035	3/21/11 0935	0.01	7,200	1.6E-09						
3/20/11 2058	3/21/11 0958	0.01	7,200	1.6E-09						
3/20/11 2115	3/21/11 1015	0.01	7,200	2.6E-09						
3/20/11 2140	3/21/11 1040	0.01	7,200	3.1E-09						
3/20/11 2200	3/21/11 1100	0.01	7,200	3.2E-09						
3/20/11 2218	3/21/11 1118	0.01	7,200	3.2E-09						
3/20/11 2235	3/21/11 1135	0.01	7,200	4.8E-09	4.38E-10	2.41E-10	3.02E-10	4.85E-11	4.00E-10	3.32E-10
3/20/11 2257	3/21/11 1157	0.01	7,200	6.0E-09	7.50E-10	2.65E-10	4.01E-10	6.05E-11	5.31E-10	4.27E-10
3/20/11 2318	3/21/11 1218	0.01		<1.0E-7						
3/20/11 2346	3/21/11 1246	0.01	7,200	6.0E-10						
3/21/11 0012	3/21/11 1312	0.01	7,200	5.0E-10						
3/21/11 0033	3/21/11 1333	0.01	6,750	7.5E-10						
3/21/11 0057	3/21/11 1357	0.01	1,800	1.0E-09						
3/21/11 0120	3/21/11 1420	0.01	1,350	7.5E-10						
3/21/11 0139	3/21/11 1439	0.01	1,800	7.5E-10						
3/21/11 0157	3/21/11 1457	0.01	1,800	8.0E-10						
3/21/11 0214	3/21/11 1514	0.01	2,250	1.0E-09						
3/21/11 0245	3/21/11 1545	0.01	1,800	1.3E-09						
3/21/11 0303	3/21/11 1603	0.01		7.5E-10						
3/21/11 0325	3/21/11 1625	0.01	1,800	8.0E-10						
3/21/11 0345	3/21/11 1645	0.01	1,350	7.0E-10						
3/21/11 0402	3/21/11 1702	0.01	900	5.0E-10						
3/21/11 0418	3/21/11 1718	0.01	1,800	7.0E-10						
3/21/11 0432	3/21/11 1732	0.01	2,250	5.0E-10						
3/21/11 0450	3/21/11 1750	0.01	7,200	8.5E-10						
3/21/11 0509	3/21/11 1809	0.01	7,200	7.5E-10						
3/21/11 0525	3/21/11 1825	0.01	9,450	1.2E-09						
3/21/11 0545	3/21/11 1845	0.01	9,900	1.0E-09						

3/21/11 0600	3/21/11 1900	0.01	9,900	9.0E-10	
3/21/11 0615	3/21/11 1915	0.01	9,900	1.0E-09	
3/21/11 0630	3/21/11 1930	0.01	9,900	1.0E-09	
3/21/11 0645	3/21/11 1945	0.01	8,550	1.0E-09	
3/21/11 0700	3/21/11 2000	0.01	8,100	2.3E-09	
3/21/11 0715	3/21/11 2015	0.01	7,650	2.3E-09	
3/21/11 0732	3/21/11 2032	0.01	8,100	1.5E-09	
3/21/11 0745	3/21/11 2045	0.01	7,650	1.0E-09	
3/21/11 0800	3/21/11 2100	0.01	8,100	7.5E-10	
3/21/11 0815	3/21/11 2115	0.01	8,100	5.0E-10	
3/21/11 0830	3/21/11 2130	0.01	8,100	5.0E-10	
3/21/11 0845	3/21/11 2145	0.01	8,550	5.0E-10	
3/21/11 0900	3/21/11 2200	0.01	9,450	5.0E-10	
3/21/11 0930	3/21/11 2230	0.01	7,650	<5.0E-10	
3/21/11 1000	3/21/11 2300	0.01	9,450	<5.0E-10	
3/21/11 1100	3/22/11 0000	0.01	8,100	<5.0E-10	
3/21/11 1200	3/22/11 0100	0.01	7,650	5.0E-10	
3/21/11 1300	3/22/11 0200	0.01	8,550	<5.0E-10	
3/21/11 1400	3/22/11 0300	0.01	7,200	<5.0E-10	
3/21/11 1500	3/22/11 0400	0.01	7,200	<5.0E-10	
3/21/11 1600	3/22/11 0500	0.01	6,750	<5.0E-10	
3/21/11 1700	3/22/11 0600	0.01	7,200	<5.0E-10	
3/21/11 1755	3/22/11 0655	0.01	7,200	<5.0E-10	
3/21/11 1900	3/22/11 0800	0.01	7,200	<5.0E-10	
3/21/11 1958	3/22/11 0858	0.01	7,200	<5.0E-10	
3/21/11 2100	3/22/11 1000	0.01	7,200	<5.0E-10	
3/21/11 2200	3/22/11 1100	0.01	7,200	<5.0E-10	
3/21/11 2300	3/22/11 1200	0.01	7,200	<5.0E-10	
3/22/11 0000	3/22/11 1300	0.01	7,200	5.0E-10	
3/22/11 0100	3/22/11 1400	0.01	7,200	9.5E-10	
3/22/11 0200	3/22/11 1500	0.01	7,200	1.0E-09	
3/22/11 0300	3/22/11 1600	0.01	7,200	7.0E-10	
3/22/11 0400	3/22/11 1700	0.01	7,200	6.0E-10	
3/22/11 0500	3/22/11 1800	0.01	7,200	7.5E-10	

3/22/11 0600	3/22/11 1900	0.01	7,650	7.5E-10						
3/22/11 0700	3/22/11 2000	0.01	8,550	1.3E-09						
3/22/11 0800	3/22/11 2100	0.01	9,000	1.1E-09						
3/22/11 0900	3/22/11 2200	0.01	8,100	1.3E-09						
3/22/11 1000	3/22/11 2300	0.01	8,550	2.8E-09						
3/22/11 1100	3/23/11 0000	0.01	9,450	2.8E-09		7.55E-10	4.36E-11	1.68E-11		1.80E-11 6.64E-11 1.98E-12
3/22/11 1200	3/23/11 0100	0.01	9,000	1.8E-09						
3/22/11 1300	3/23/11 0200	0.01	9,450	1.3E-09						
3/22/11 1400	3/23/11 0300	0.01	9,450	1.0E-09						
3/22/11 1500	3/23/11 0400	0.01	9,900	1.3E-09						
3/22/11 1600	3/23/11 0500	0.01	9,450	5.0E-09						
3/22/11 1700	3/23/11 0600	0.01	9,450	<5.0E-10						
3/22/11 1800	3/23/11 0700	0.01	9,900	5.0E-10						
3/22/11 1900	3/23/11 0800	0.01	9,900	7.5E-10						
3/22/11 2000	3/23/11 0900	0.01	9,900	7.5E-10						
3/22/11 2100	3/23/11 1000	0.01	9,900	6.0E-10						
3/22/11 2200	3/23/11 1100	0.01	9,900	5.0E-10						
3/22/11 2300	3/23/11 1200	0.01	10,000	5.0E-10	(N-1)	2.07E-11	5.76E-12			3.04E-12
3/23/11 0000	3/23/11 1300	0.01	10,000	5.0E-10						
3/23/11 0100	3/23/11 1400	0.01	10,000	5.0E-10						
3/23/11 0200	3/23/11 1500	0.01	10,000	<5.0E-10						
3/23/11 0300	3/23/11 1600	0.01	10,000	5.0E-10						
3/23/11 0400	3/23/11 1700	0.01	9,450	7.5E-10						
3/23/11 0500	3/23/11 1800	0.01	9,450	5.0E-10	(N-1)	1.17E-10				1.82E-12
3/23/11 0600	3/23/11 1900	0.01	7,650	5.0E-10						
3/23/11 0700	3/23/11 2000	0.01	8,100	7.5E-10						
3/23/11 0800	3/23/11 2100	0.01	8,550	6.0E-10						
3/23/11 0900	3/23/11 2200	0.01	9,000	7.5E-10						
3/23/11 1000	3/23/11 2300	0.01	10,000	5.0E-10						
3/23/11 1100	3/24/11 0000	0.01	9,900	5.0E-10	(N-1)	4.42E-11	3.27E-12			2.03E-12
3/23/11 1200	3/24/11 0100	0.01	10,000	5.0E-10	(N-1)	3.85E-11				1.34E-12
3/23/11 1300	3/24/11 0200	0.01	9,900	<5.0E-10						
3/23/11 1400	3/24/11 0300	0.01	9,900	<5.0E-10						
3/23/11 1500	3/24/11 0400	0.01	10,000	<5.0E-10						

3/23/11 1600	3/24/11 0500	0.01	10,000	<5.0E-10		
3/23/11 1700	3/24/11 0600	0.01	9,900	<5.0E-10		
3/23/11 1800	3/24/11 0700	0.01	10,000	<5.0E-10		
3/23/11 1900	3/24/11 0800	0.01	10,000	<5.0E-10		
3/23/11 2000	3/24/11 0900	0.01	9,900	<5.0E-10		
3/23/11 2100	3/24/11 1000	0.01	9,900	<5.0E-10		
3/23/11 2200	3/24/11 1100	0.01	10,000	<5.0E-10		
3/23/11 2300	3/24/11 1200	0.01	9,900	<5.0E-10		
3/24/11 0000	3/24/11 1300	0.01	9,900	<5.0E-10		
3/24/11 0100	3/24/11 1400	0.01	2,250	<5.0E-10		
3/24/11 0200	3/24/11 1500	0.01	2,925	<5.0E-10		
3/24/11 0300	3/24/11 1600	0.01	9,900	<5.0E-10		
3/24/11 0400	3/24/11 1700	0.01	9,900	<5.0E-10		
3/24/11 0500	3/24/11 1800	0.01	9,900	<5.0E-10	(N-1)	4.11E-11 2.53E-12
3/24/11 0600	3/24/11 1900	0.01	9,900	<5.0E-10		
3/24/11 0700	3/24/11 2000	0.01	9,450	5.0E-10	(N-2)	
3/24/11 0800	3/24/11 2100	0.01	10,000	<5.0E-10	(N-2)	
3/24/11 0900	3/24/11 2200	0.01	10,000	<5.0E-10	(N-2)	
3/24/11 1000	3/24/11 2300	0.01	9,900	5.0E-10	(N-2)	
3/24/11 1100	3/25/11 0000	0.01	9,900	5.0E-10	(N-1) (N-2)	7.53E-12 1.70E-12
3/24/11 1200	3/25/11 0100	0.01	9,450	5.0E-10	(N-2)	
3/24/11 1400	3/25/11 0300	0.01	9,450	6.0E-10	(N-2)	
3/24/11 1500	3/25/11 0400	0.01	9,900	5.0E-10	(N-2)	
3/24/11 1600	3/25/11 0500	0.01	9,900	5.0E-10	(N-2)	
3/24/11 1700	3/25/11 0600	0.01	10,000	6.3E-10	(N-1) (N-2)	8.06E-12
3/24/11 1800	3/25/11 0700	0.01	9,900	<5.0E-10		
3/24/11 1900	3/25/11 0800	0.01	9,900	<5.0E-10		
3/24/11 2000	3/25/11 0900	0.01	9,900	5.0E-10		
3/24/11 2100	3/25/11 1000	0.01	9,900	6.0E-10		
3/24/11 2200	3/25/11 1100	0.01	9,900	6.0E-10		
3/24/11 2300	3/25/11 1200	0.01	9,900	6.5E-10	(N-1)	9.00E-12
3/25/11 0000	3/25/11 1300	0.01	9,900	5.0E-10	(N-1)	1.07E-11
3/25/11 0100	3/25/11 1400	0.01	9,900	<5.0E-10		
3/25/11 0200	3/25/11 1500	0.01	9,900	<5.0E-10		



3/25/11 0300	3/25/11 1600	0.01	9,450	<5.0E-10	
3/25/11 0400	3/25/11 1700	0.01	9,900	<5.0E-10	
3/25/11 0500	3/25/11 1800	0.01	9,900	<5.0E-10	
3/25/11 0600	3/25/11 1900	0.01	9,000	<5.0E-10	
3/25/11 0700	3/25/11 2000	0.01	8,100	<5.0E-10	
3/25/11 0800	3/25/11 2100	0.01	9,000	<5.0E-10	
3/25/11 0900	3/25/11 2200	0.01	10,000	<5.0E-10	
3/25/11 1000	3/25/11 2300	0.01	9,000	<5.0E-10	
3/25/11 1100	3/26/11 0000	0.01	9,450	<5.0E-10	
3/25/11 1200	3/26/11 0100	0.01	9,900	<5.0E-10	
3/25/11 1300	3/26/11 0200	0.01	9,450	5.0E-10	
3/25/11 1400	3/26/11 0300	0.01	9,450	5.0E-10	
3/25/11 1500	3/26/11 0400	0.01	9,000	5.0E-10	
3/25/11 1600	3/26/11 0500	0.01	9,450	5.0E-10	
3/25/11 1700	3/26/11 0600	0.01	9,900	5.0E-10	
3/25/11 1800	3/26/11 0700	0.01	9,450	6.0E-10	
3/25/11 1900	3/26/11 0800	0.01	9,900	5.0E-10	
3/25/11 2000	3/26/11 0900	0.01	9,900	5.5E-10	7.4E-12
3/25/11 2100	3/26/11 1000	0.01	9,900	<5.0E-10	
3/25/11 2200	3/26/11 1100	0.01	9,900	<5.0E-10	
3/25/11 2300	3/26/11 1200	0.01	9,900	<5.0E-10	
3/26/11 0000	3/26/11 1300	0.01	9,900	<5.0E-10	
3/26/11 0100	3/26/11 1400	0.01	9,900	<5.0E-10	
3/26/11 0200	3/26/11 1500	0.01	9,900	<5.0E-10	
3/26/11 0300	3/26/11 1600	0.01	9,000	<5.0E-10	
3/26/11 0400	3/26/11 1700	0.01	9,000	<5.0E-10	
3/26/11 0500	3/26/11 1800	0.01	9,000	<5.0E-10	2.63E-12
3/26/11 0600	3/26/11 1900	0.01	9,000	<5.0E-10	
3/26/11 0700	3/26/11 2000	0.01	9,000	<5.0E-10	
3/26/11 0800	3/26/11 2100	0.01	9,000	<5.0E-10	
3/26/11 0900	3/26/11 2200	0.01	9,000	<5.0E-10	
3/26/11 1000	3/26/11 2300	0.01	9,000	<5.0E-10	
3/26/11 1100	3/27/11 0000	0.01	9,000	<5.0E-10	
3/26/11 1200	3/27/11 0100	0.01	9,450	<5.0E-10	

3/26/11 1300	3/27/11 0200	0.01	9,450	<5.0E-10
3/26/11 1400	3/27/11 0300	0.01	9,900	5.0E-10
3/26/11 1500	3/27/11 0400	0.01	9,900	5.0E-10
3/26/11 1600	3/27/11 0500	0.01	9,450	<5.0E-10
3/26/11 1700	3/27/11 0600	0.01	9,000	<5.0E-10
3/26/11 1800	3/27/11 0700	0.01	9,000	<5.0E-10
3/26/11 1900	3/27/11 0800	0.01	9,000	<5.0E-10
3/26/11 2000	3/27/11 0900	0.01	9,000	<5.0E-10
3/26/11 2100	3/27/11 1000	0.01	9,000	<5.0E-10
3/26/11 2200	3/27/11 1100	0.01	8,550	<5.0E-10
3/26/11 2300	3/27/11 1200	0.01	8,550	<5.0E-10
3/27/11 0000	3/27/11 1300	0.01	9,000	<5.0E-10
3/27/11 0100	3/27/11 1400	0.01	9,000	<5.0E-10
3/27/11 0200	3/27/11 1500	0.01	8,550	<5.0E-10
3/27/11 0300	3/27/11 1600	0.01	8,550	<5.0E-10
3/27/11 0400	3/27/11 1700	0.01	8,550	<5.0E-10
3/27/11 0500	3/27/11 1800	0.01	9,000	<5.0E-10
3/27/11 0600	3/27/11 1900	0.01	9,000	<5.0E-10
3/27/11 0700	3/27/11 2000	0.01	9,000	<5.0E-10
3/27/11 0800	3/27/11 2100	0.01	9,000	<5.0E-10
3/27/11 0900	3/27/11 2200	0.01	9,000	<5.0E-10
3/27/11 1000	3/27/11 2300	0.01	9,000	<5.0E-10
3/27/11 1100	3/28/11 0000	0.01	9,000	<5.0E-10
3/27/11 1200	3/28/11 0100	0.01	8,550	<5.0E-10
3/27/11 1300	3/28/11 0200	0.01	8,550	<5.0E-10
3/27/11 1400	3/28/11 0300	0.01	8,550	<5.0E-10
3/27/11 1500	3/28/11 0400	0.01	8,550	<5.0E-10
3/27/11 1600	3/28/11 0500	0.01	8,550	<5.0E-10
3/27/11 1700	3/28/11 0600	0.01	9,000	5.0E-10
3/27/11 1800	3/28/11 0700	0.01	9,000	<5.0E-10
3/27/11 1900	3/28/11 0800	0.01	9,000	<5.0E-10
3/27/11 2000	3/28/11 0900	0.01	9,000	<5.0E-10
3/27/11 2100	3/28/11 1000	0.01	9,000	<5.0E-10
3/27/11 2200	3/28/11 1100	0.01	8,550	<5.0E-10

3/27/11 2300	3/28/11 1200	0.01	9,000	<5.0E-10	
3/28/11 0000	3/28/11 1300	0.01	9,000	<5.0E-10	
3/28/11 0100	3/28/11 1400	0.01	9,450	<5.0E-10	
3/28/11 0200	3/28/11 1500	0.01	9,000	<5.0E-10	
3/28/11 0300	3/28/11 1600	0.01	9,000	<5.0E-10	
3/28/11 0400	3/28/11 1700	0.01	9,450	<5.0E-10	
3/28/11 0500	3/28/11 1800	0.01	9,450	<5.0E-10	
3/28/11 0600	3/28/11 1900	0.01	8,550	<5.0E-10	
3/28/11 0700	3/28/11 2000	0.01	8,550	<5.0E-10	
3/28/11 0800	3/28/11 2100	0.01	8,550	<5.0E-10	
3/28/11 0900	3/28/11 2200	0.01	9,000	<5.0E-10	
3/28/11 1000	3/28/11 2300	0.01	9,000	<5.0E-10	
3/28/11 1100	3/29/11 0000	0.01	8,550	<5.0E-10	
3/28/11 1200	3/29/11 0100	0.01	8,550	<5.0E-10	
3/28/11 1300	3/29/11 0200	0.01	9,000	<5.0E-10	(N-2)
3/28/11 1400	3/29/11 0300	0.01	8,550	<5.0E-10	(N-2)
3/28/11 1500	3/29/11 0400	0.01	8,550	<5.0E-10	(N-2)
3/28/11 1600	3/29/11 0500	0.01	8,550	5.0E-10	(N-2)
3/28/11 1700	3/29/11 0600	0.01	9,000	5.0E-10	(N-2)
3/28/11 1800	3/29/11 0700	0.01	9,450	5.5E-10	(N-2)
3/28/11 1900	3/29/11 0800	0.01	9,000	<5.0E-10	(N-2)
3/28/11 2000	3/29/11 0900	0.01	8,550	5.5E-10	(N-2)
3/28/11 2100	3/29/11 1000	0.01	8,550	<5.0E-10	(N-2)
3/28/11 2200	3/29/11 1100	0.02	9,000	<5.0E-10	(N-2)
3/28/11 2300	3/29/11 1200	0.01	9,000	<5.0E-10	
3/29/11 0000	3/29/11 1300	0.01	9,000	<5.0E-10	
3/29/11 0100	3/29/11 1400	0.01	9,000	<5.0E-10	
3/29/11 0200	3/29/11 1500	0.01	9,000	<5.0E-10	
3/29/11 0300	3/29/11 1600	0.01	9,000	<5.0E-10	
3/29/11 0400	3/29/11 1700	0.01	9,450	<5.0E-10	
3/29/11 0500	3/29/11 1800	0.01	9,000	<5.0E-10	
3/29/11 0600	3/29/11 1900	0.01	8,550	<5.0E-10	
3/29/11 0700	3/29/11 2000	0.01	8,550	5.5E-10	
3/29/11 0800	3/29/11 2100	0.01	9,000	<5.0E-10	

3/29/11 0900	3/29/11 2200	0.01	9,000	5.5E-10	(N-3)	
3/29/11 1000	3/29/11 2300	0.01	8,550	5.5E-10	(N-3)	
3/29/11 1100	3/30/11 0000	0.01	8,550	6.5E-10	(N-3)	
3/29/11 1200	3/30/11 0100	0.01	9,000	6.5E-10	(N-3)	
3/29/11 1300	3/30/11 0200	0.01	8,550	5.5E-10	(N-3)	
3/29/11 1400	3/30/11 0300	0.01	9,000	6.0E-10	(N-3)	
3/29/11 1500	3/30/11 0400	0.01	9,450	5.5E-10	(N-3)	
3/29/11 1600	3/30/11 0500	0.01	9,000	<5.0E-10	(N-3)	
3/29/11 1700	3/30/11 0600	0.01	9,000	8.0E-10	(N-3)	
3/29/11 1800	3/30/11 0700	0.01	8,550	8.0E-10	(N-3)	
3/29/11 1900	3/30/11 0800	0.01	9,450	1.3E-09	(N-3)	
3/29/11 2000	3/30/11 0900	0.01	9,450	1.5E-09	(N-3)	
3/29/11 2100	3/30/11 1000	0.01	9,000	1.4E-09	(N-3)	
3/29/11 2200	3/30/11 1100	0.01	9,450	1.6E-09	(N-3)	
3/29/11 2300	3/30/11 1200	0.01	9,000	1.6E-09	(N-3)	
3/30/11 0000	3/30/11 1300	0.01	9,450	1.4E-09	(N-3)	
3/30/11 0100	3/30/11 1400	0.01	9,000	7.5E-10	(N-3)	
3/30/11 0200	3/30/11 1500	0.01	9,450	<5.0E-10		
3/30/11 0300	3/30/11 1600	0.01	9,450	<5.0E-10		
3/30/11 0400	3/30/11 1700	0.01	9,000	<5.0E-10		
3/30/11 0500	3/30/11 1800	0.01	9,000	<5.0E-10		
3/30/11 0600	3/30/11 1900	0.01	9,450	<5.0E-10		
3/30/11 0700	3/30/11 2000	0.01	9,450	<5.0E-10		
3/30/11 0800	3/30/11 2100	0.01	9,000	<5.0E-10		
3/30/11 0900	3/30/11 2200	0.01	9,450	5.5E-10		8.21E-12
3/30/11 1000	3/30/11 2300	0.01	8,550	<5.0E-10		
3/30/11 1100	3/31/11 0000	0.01	9,000	<5.0E-10		
3/30/11 1200	3/31/11 0100	0.01	8,550	<5.0E-10		
3/30/11 1300	3/31/11 0200	0.01	9,000	<5.0E-10		
3/30/11 1400	3/31/11 0300	0.01	9,000	<5.0E-10		
3/30/11 1500	3/31/11 0400	0.01	8,550	<5.0E-10		
3/30/11 1600	3/31/11 0500	0.01	9,000	<5.0E-10		
3/30/11 1700	3/31/11 0600	0.01	8,550	<5.0E-10		
3/30/11 1800	3/31/11 0700	0.01	9,000	<5.0E-10		

3/30/11 1900	3/31/11 0800	0.01	9,000	<5.0E-10
3/30/11 2000	3/31/11 0900	0.01	9,000	<5.0E-10
3/30/11 2100	3/31/11 1000	0.01	8,550	<5.0E-10
3/30/11 2200	3/31/11 1100	0.01	8,550	<5.0E-10
3/30/11 2300	3/31/11 1200	0.01	9,000	<5.0E-10
3/31/11 0000	3/31/11 1300	0.01	8,550	<5.0E-10
3/31/11 0045	3/31/11 1345	0.01	9,000	<5.0E-10
3/31/11 0100	3/31/11 1400	0.01	8,550	<5.0E-10
3/31/11 0115	3/31/11 1415	0.01	8,550	<5.0E-10
3/31/11 0200	3/31/11 1500	0.01	9,450	<5.0E-10
3/31/11 0300	3/31/11 1600	0.01	9,450	<5.0E-10
3/31/11 0400	3/31/11 1700	0.01	9,000	<5.0E-10
3/31/11 0500	3/31/11 1800	0.01	9,000	<5.0E-10
3/31/11 0600	3/31/11 1900	0.01	9,450	<5.0E-10
3/31/11 0700	3/31/11 2000	0.01	9,450	5.5E-10
3/31/11 0800	3/31/11 2100	0.01	9,000	6.0E-10
3/31/11 0900	3/31/11 2200	0.01	9,000	<5.0E-10
3/31/11 1000	3/31/11 2300	0.01	8,550	<5.0E-10
3/31/11 1100	4/1/11 0000	0.01	9,450	<5.0E-10
3/31/11 1200	4/1/11 0100	0.01	9,000	<5.0E-10
3/31/11 1300	4/1/11 0200	0.01	8,550	<5.0E-10
3/31/11 1400	4/1/11 0300	0.01	8,550	<5.0E-10
3/31/11 1500	4/1/11 0400	0.01	9,000	<5.0E-10
3/31/11 1600	4/1/11 0500	0.01	8,550	6.5E-10
3/31/11 1700	4/1/11 0600	0.01	8,550	<5.0E-10
3/31/11 1800	4/1/11 0700	0.01	9,000	<5.0E-10
3/31/11 1900	4/1/11 0800	0.01	9,000	<5.0E-10
3/31/11 2000	4/1/11 0900	0.01	8,550	<5.0E-10
3/31/11 2100	4/1/11 1000	0.01	8,550	<5.0E-10
3/31/11 2200	4/1/11 1100	0.01	8,550	<5.0E-10
3/31/11 2300	4/1/11 1200	0.01	9,000	<5.0E-10
4/1/11 0000	4/1/11 1300	0.01	9,450	<5.0E-10
4/1/11 0100	4/1/11 1400	0.01	9,000	<5.0E-10
4/1/11 0200	4/1/11 1500	0.01	8,550	<5.0E-10

4/1/11 0300	4/1/11 1600	0.01	8,100	<5.0E-10
4/1/11 0400	4/1/11 1700	0.01	8,550	<5.0E-10
4/1/11 0500	4/1/11 1800	0.01	8,550	<5.0E-10
4/1/11 0600	4/1/11 1900	0.01	9,000	<5.0E-10
4/1/11 0700	4/1/11 2000	0.01	9,000	<5.0E-10
4/1/11 0800	4/1/11 2100	0.01	9,450	<5.0E-10
4/1/11 0900	4/1/11 2200	0.01	9,000	<5.0E-10
4/1/11 1000	4/1/11 2300	0.01	8,550	<5.0E-10
4/1/11 1100	4/2/11 0000	0.01	8,550	<5.0E-10
4/1/11 1200	4/2/11 0100	0.01	9,000	<5.0E-10
4/1/11 1300	4/2/11 0200	0.01	9,000	<5.0E-10
4/1/11 1400	4/2/11 0300	0.01	9,450	<5.0E-10
4/1/11 1540	4/2/11 0440	0.01	9,000	<5.0E-10
4/1/11 1600	4/2/11 0500	0.01	9,450	<5.0E-10
4/1/11 1700	4/2/11 0600	0.01	9,450	<5.0E-10
4/1/11 1800	4/2/11 0700	0.01	9,000	<5.0E-10
4/1/11 1900	4/2/11 0800	0.01	8,550	<5.0E-10
4/1/11 2000	4/2/11 0900	0.01	9,900	<5.0E-10
4/1/11 2100	4/2/11 1000	0.01	9,450	<5.0E-10
4/1/11 2200	4/2/11 1100	0.01	9,450	<5.0E-10
4/1/11 2300	4/2/11 1200	0.01	9,900	<5.0E-10
4/2/11 0000	4/2/11 1300	0.01	9,450	<5.0E-10
4/2/11 0100	4/2/11 1400	0.01	9,450	<5.0E-10
4/2/11 0200	4/2/11 1500	0.01	9,900	<5.0E-10
4/2/11 0300	4/2/11 1600	0.01	9,900	<5.0E-10
4/2/11 0400	4/2/11 1700	0.01	9,000	<5.0E-10
4/2/11 0500	4/2/11 1800	0.01	9,450	<5.0E-10
4/2/11 0600	4/2/11 1900	0.01	9,900	<5.0E-10
4/2/11 0700	4/2/11 2000	0.01	9,000	<5.0E-10
4/2/11 0800	4/2/11 2100	0.01	9,000	<5.0E-10
4/2/11 0900	4/2/11 2200	0.01	8,550	<5.0E-10
4/2/11 1000	4/2/11 2300	0.01	9,450	<5.0E-10
4/2/11 1100	4/3/11 0000	0.01	9,450	<5.0E-10
4/2/11 1200	4/3/11 0100	0.01	9,450	<5.0E-10

4/2/11 1300	4/3/11 0200	0.01	9,000	<5.0E-10				
4/2/11 1400	4/3/11 0300	0.01	8,550	<5.0E-10				
4/2/11 1500	4/3/11 0400				(N-4)	2.93E-12	1.23E-12	1.47E-12
4/2/11 1500	4/3/11 0400	0.01	9,000	<5.0E-10				
4/2/11 1600	4/3/11 0500	0.01	8,550	<5.0E-10				
4/2/11 1700	4/3/11 0600	0.01	8,550	<5.0E-10				
4/2/11 1800	4/3/11 0700	0.01	9,000	<5.0E-10				
4/2/11 1900	4/3/11 0800	0.01	9,000	<5.0E-10				
4/2/11 2000	4/3/11 0900	0.01	9,000	<5.0E-10				
4/2/11 2100	4/3/11 1000	0.01	9,000	<5.0E-10				
4/2/11 2200	4/3/11 1100	0.01	9,000	<5.0E-10				
4/2/11 2300	4/3/11 1200	0.01	9,450	<5.0E-10				
4/3/11 0000	4/3/11 1300	0.01	9,000	<5.0E-10				
4/3/11 0100	4/3/11 1400	0.01	9,000	<5.0E-10				
4/3/11 0200	4/3/11 1500	0.01	9,450	<5.0E-10				
4/3/11 0300	4/3/11 1600	0.01	9,900	<5.0E-10				
4/3/11 0400	4/3/11 1700	0.01	9,450	<5.0E-10				
4/3/11 0500	4/3/11 1800	0.01	9,000	<5.0E-10				
4/3/11 0600	4/3/11 1900	0.01	9,000	<5.0E-10				
4/3/11 0700	4/3/11 2000	0.01	9,000	<5.0E-10				
4/3/11 0800	4/3/11 2100	0.01	8,550	<5.0E-10				
4/3/11 0900	4/3/11 2200	0.01	9,000	<5.0E-10				
4/3/11 1000	4/3/11 2300	0.01	8,550	<5.0E-10				
4/3/11 1100	4/4/11 0000	0.01	8,550	<5.0E-10				
4/3/11 1200	4/4/11 0100	0.01	8,550	<5.0E-10				
4/3/11 1300	4/4/11 0200	0.01	8,550	<5.0E-10				
4/3/11 1400	4/4/11 0300	0.01	8,550	<5.0E-10				
4/3/11 1500	4/4/11 0400	0.01	9,000	<5.0E-10				
4/3/11 1600	4/4/11 0500	0.01	8,550	<5.0E-10				
4/3/11 1700	4/4/11 0600	0.01	8,550	<5.0E-10				
4/3/11 1800	4/4/11 0700	0.01	8,100	<5.0E-10				
4/3/11 1900	4/4/11 0800	0.01	8,100	<5.0E-10				
4/3/11 2000	4/4/11 0900	0.01	8,100	<5.0E-10				
4/3/11 2100	4/4/11 1000	0.01	6,750	<5.0E-10				

4/3/11 2200	4/4/11 1100	0.01	6,975	<5.0E-10				
4/3/11 2300	4/4/11 1200	0.01	6,975	<5.0E-10				
4/3/11 2329	4/4/11 1229				(N-5)	4.1E-13		
4/4/11 0000	4/4/11 1300	0.01	6,975	<5.0E-10				
4/4/11 0100	4/4/11 1400	0.01	6,975	<5.0E-10				
4/4/11 0200	4/4/11 1500	0.01	6,750	<5.0E-10				
4/4/11 0300	4/4/11 1600	0.01	6,750	<5.0E-10				
4/4/11 0400	4/4/11 1700	0.01	7,200	<5.0E-10				
4/4/11 0500	4/4/11 1800	0.01	7,200	<5.0E-10				
4/4/11 0600	4/4/11 1900	0.01	6,750	<5.0E-10				
4/4/11 0700	4/4/11 2000	0.02	7,200	<5.0E-10				
4/4/11 0800	4/4/11 2100	0.01	6,975	<5.0E-10				
4/4/11 0900	4/4/11 2200				(N-6)	2.42E-12	6.04E-13	1.03E-12
4/4/11 0900	4/4/11 2200	0.01	6,750	<5.0E-10				
4/4/11 1000	4/4/11 2300	0.01	7,200	<5.0E-10				
4/4/11 1100	4/5/11 0000	0.01	6,750	<5.0E-10				
4/4/11 1200	4/5/11 0100	0.01	7,650	<5.0E-10				
4/4/11 1300	4/5/11 0200	0.01	7,200	<5.0E-10				
4/4/11 1400	4/5/11 0300	0.01	7,200	<5.0E-10				
4/4/11 1500	4/5/11 0400	0.01	6,300	<5.0E-10				
4/4/11 1600	4/5/11 0500	0.01	6,300	<5.0E-10				
4/4/11 1700	4/5/11 0600	0.01	6,750	<5.0E-10				
4/4/11 1800	4/5/11 0700	0.01	6,750	<5.0E-10				
4/4/11 1829	4/5/11 0729				(N-7)	3.18E-13		
4/4/11 1900	4/5/11 0800	0.01	6,750	<5.0E-10				
4/4/11 2000	4/5/11 0900	0.01	6,525	<5.0E-10				
4/4/11 2100	4/5/11 1000	0.01	6,525	<5.0E-10				
4/4/11 2200	4/5/11 1100	0.01	6,750	<5.0E-10				
4/4/11 2300	4/5/11 1200	0.01	6,750	<5.0E-10				
4/5/11 0000	4/5/11 1300	0.01	6,525	<5.0E-10				
4/5/11 0100	4/5/11 1400	0.01	6,750	<5.0E-10				
4/5/11 0200	4/5/11 1500	0.01	6,660	<5.0E-10				
4/5/11 0300	4/5/11 1600	0.01	6,885	<5.0E-10				
4/5/11 0400	4/5/11 1700	0.01	6,615	<5.0E-10				



4/5/11 0500	4/5/11 1800	0.01	6,660	<5.0E-10	
4/5/11 0600	4/5/11 1900	0.01	6,525	<5.0E-10	
4/5/11 0630	4/5/11 1930				(N-8) 2.98E-13
4/5/11 0700	4/5/11 2000	0.01	7,020	<5.0E-10	
4/5/11 0800	4/5/11 2100	0.01	6,570	<5.0E-10	
4/5/11 0900	4/5/11 2200	0.01	6,975	<5.0E-10	
4/5/11 1000	4/5/11 2300	0.01	6,300	<5.0E-10	
4/5/11 1100	4/6/11 0000	0.01	6,750	<5.0E-10	
4/5/11 1200	4/6/11 0100	0.01	6,525	<5.0E-10	
4/5/11 1300	4/6/11 0200	0.01	6,750	<5.0E-10	
4/5/11 1400	4/6/11 0300	0.01	6,750	<5.0E-10	
4/5/11 1500	4/6/11 0400	0.01	6,975	<5.0E-10	
4/5/11 1600	4/6/11 0500	0.01	6,975	<5.0E-10	
4/5/11 1700	4/6/11 0600	0.01	6,525	<5.0E-10	
4/5/11 1800	4/6/11 0700	0.01	6,750	<5.0E-10	
4/5/11 1900	4/6/11 0800	0.01	6,750	<5.0E-10	
4/5/11 2000	4/6/11 0900	0.01	6,750	<5.0E-10	
4/5/11 2100	4/6/11 1000	0.01	6,750	<5.0E-10	
4/5/11 2200	4/6/11 1100	0.01	6,750	<5.0E-10	
4/5/11 2300	4/6/11 1200	0.01	6,750	5.0E-10	
4/6/11 0000	4/6/11 1300	0.01	6,525	<5.0E-10	
4/6/11 0100	4/6/11 1400	0.01	6,750	<5.0E-10	
4/6/11 0200	4/6/11 1500	0.01	6,300	<5.0E-10	
4/6/11 0300	4/6/11 1600	0.01	6,975	<5.0E-10	
4/6/11 0400	4/6/11 1700	0.01	6,300	<5.0E-10	
4/6/11 0500	4/6/11 1800	0.01	6,525	<5.0E-10	
4/6/11 0600	4/6/11 1900	0.01	6,750	<5.0E-10	
4/6/11 0630	4/6/11 1930				(N-9) 3.14E-13
4/6/11 0700	4/6/11 2000	0.01	6,210	<5.0E-10	
4/6/11 0800	4/6/11 2100	0.01	6,750	<5.0E-10	
4/6/11 0900	4/6/11 2200	0.01	6,525	<5.0E-10	
4/6/11 1000	4/6/11 2300	0.01	6,750	<5.0E-10	
4/6/11 1100	4/7/11 0000	0.01	6,300	<5.0E-10	
4/6/11 1200	4/7/11 0100	0.01	6,525	<5.0E-10	

4/6/11 1300	4/7/11 0200	0.01	6,525	<5.0E-10
4/6/11 1400	4/7/11 0300	0.01	6,750	<5.0E-10
4/6/11 1500	4/7/11 0400	0.01	6,750	<5.0E-10
4/6/11 1600	4/7/11 0500	0.01	6,975	<5.0E-10
4/6/11 1700	4/7/11 0600	0.01	6,750	<5.0E-10
4/6/11 1800	4/7/11 0700	0.01	6,525	<5.0E-10
4/6/11 1900	4/7/11 0800	0.01	6,525	7.1E-09
4/6/11 2000	4/7/11 0900	0.01	6,750	<5.0E-10
4/6/11 2100	4/7/11 1000	0.01	6,525	<5.0E-10
4/6/11 2200	4/7/11 1100	0.01	6,750	<5.0E-10
4/6/11 2300	4/7/11 1200	0.01	6,750	<5.0E-10
4/7/11 0000	4/7/11 1300	0.01	6,300	<5.0E-10
4/7/11 0100	4/7/11 1400	0.01	6,750	<5.0E-10
4/7/11 0200	4/7/11 1500	0.01	6,750	<5.0E-10
4/7/11 0300	4/7/11 1600	0.01	6,300	<5.0E-10
4/7/11 0400	4/7/11 1700	0.01	6,525	<5.0E-10
4/7/11 0500	4/7/11 1800	0.01	6,300	<5.0E-10
4/7/11 0600	4/7/11 1900	0.01	6,750	<5.0E-10
4/7/11 0700	4/7/11 2000	0.01	6,390	<5.0E-10
4/7/11 0800	4/7/11 2100	0.01	6,660	<5.0E-10
4/7/11 0900	4/7/11 2200	0.01	6,480	<5.0E-10
4/7/11 1000	4/7/11 2300	0.01	6,390	<5.0E-10
4/7/11 1100	4/8/11 0000	0.01	6,750	<5.0E-10
4/7/11 1200	4/8/11 0100	0.01	6,750	<5.0E-10
4/7/11 1300	4/8/11 0200	0.01	6,750	<5.0E-10
4/7/11 1400	4/8/11 0300	0.01	6,525	<5.0E-10
4/7/11 1500	4/8/11 0400	0.01	6,525	<5.0E-10
4/7/11 1600	4/8/11 0500	0.01	6,525	<5.0E-10
4/7/11 1700	4/8/11 0600	0.01	6,750	<5.0E-10
4/7/11 1800	4/8/11 0700	0.01	6,750	<5.0E-10
4/7/11 1900	4/8/11 0800	0.01	6,525	<5.0E-10
4/7/11 2000	4/8/11 0900	0.01	6,300	<5.0E-10
4/7/11 2100	4/8/11 1000	0.01	6,525	<5.0E-10
4/7/11 2200	4/8/11 1100	0.01	6,525	<5.0E-10

4/7/11 2300	4/8/11 1200	0.01	6,525	<5.0E-10
4/8/11 0000	4/8/11 1300	0.01	6,525	<5.0E-10
4/8/11 0100	4/8/11 1400	0.01	6,300	<5.0E-10
4/8/11 0200	4/8/11 1500	0.01	6,525	<5.0E-10
4/8/11 0300	4/8/11 1600	0.01	6,300	<5.0E-10
4/8/11 0400	4/8/11 1700	0.01	6,300	<5.0E-10
4/8/11 0500	4/8/11 1800	0.01	6,390	<5.0E-10
4/8/11 0600	4/8/11 1900	0.01	6,525	<5.0E-10
4/8/11 0700	4/8/11 2000	0.01	6,435	<5.0E-10
4/8/11 0800	4/8/11 2100	0.01	6,345	<5.0E-10
4/8/11 0900	4/8/11 2200	0.01	6,390	<5.0E-10
4/8/11 1000	4/8/11 2300	0.01	6,480	<5.0E-10
4/8/11 1100	4/9/11 0000	0.01	6,525	<5.0E-10
4/8/11 1200	4/9/11 0100	0.01	6,525	<5.0E-10
4/8/11 1300	4/9/11 0200	0.01	6,300	<5.0E-10
4/8/11 1400	4/9/11 0300	0.01	6,300	<5.0E-10
4/8/11 1500	4/9/11 0400	0.01	6,750	<5.0E-10
4/8/11 1600	4/9/11 0500	0.01	6,750	<5.0E-10
4/8/11 1700	4/9/11 0600	0.01	6,300	<5.0E-10
4/8/11 1800	4/9/11 0700	0.01	6,300	<5.0E-10
4/8/11 1900	4/9/11 0800	0.01	4,500	<5.0E-10
4/8/11 2000	4/9/11 0900	0.01	4,500	<5.0E-10
4/8/11 2100	4/9/11 1000	0.01	4,950	<5.0E-10
4/8/11 2200	4/9/11 1100	0.01	4,950	<5.0E-10
4/8/11 2300	4/9/11 1200	0.01	5,175	<5.0E-10
4/9/11 0000	4/9/11 1300	0.01	4,500	<5.0E-10
4/9/11 0100	4/9/11 1400	0.01	4,950	<5.0E-10
4/9/11 0300	4/9/11 1600	0.01	5,850	<5.0E-10
4/9/11 0400	4/9/11 1700	0.01	5,850	<5.0E-10
4/9/11 0500	4/9/11 1800	0.01	5,850	<5.0E-10
4/9/11 0600	4/9/11 1900	0.01	5,400	<5.0E-10
4/9/11 0700	4/9/11 2000	0.01	5,625	<5.0E-10
4/9/11 0800	4/9/11 2100	0.01	5,625	<5.0E-10
4/9/11 0900	4/9/11 2200	0.01	6,480	<5.0E-10

4/9/11 1000	4/9/11 2300	0.01	6,660	<5.0E-10
4/9/11 1100	4/10/11 0000	0.01	6,660	<5.0E-10
4/9/11 1200	4/10/11 0100	0.01	6,615	<5.0E-10
4/9/11 1300	4/10/11 0200	0.01	6,210	<5.0E-10
4/9/11 1400	4/10/11 0300	0.01	6,300	<5.0E-10
4/9/11 1500	4/10/11 0400	0.01	6,300	<5.0E-10
4/9/11 1600	4/10/11 0500	0.01	6,390	<5.0E-10
4/9/11 1700	4/10/11 0600	0.01	6,615	<5.0E-10
4/9/11 1800	4/10/11 0700	0.01	6,705	<5.0E-10
4/9/11 1900	4/10/11 0800	0.01	5,850	<5.0E-10
4/9/11 2000	4/10/11 0900	0.01	5,850	<5.0E-10
4/9/11 2100	4/10/11 1000	0.01	5,850	<5.0E-10
4/9/11 2200	4/10/11 1100	0.01	6,075	<5.0E-10
4/9/11 2300	4/10/11 1200	0.01	6,075	<5.0E-10
4/10/11 0000	4/10/11 1300	0.01	6,075	<5.0E-10
4/10/11 0100	4/10/11 1400	0.01	6,075	<5.0E-10
4/10/11 0200	4/10/11 1500	0.01	5,850	<5.0E-10
4/10/11 0300	4/10/11 1600	0.01	5,850	<5.0E-10
4/10/11 0400	4/10/11 1700	0.01	5,850	<5.0E-10
4/10/11 0500	4/10/11 1800	0.01	6,075	<5.0E-10

**Notes**

(N-1) Isotopic analysis samples were identified as OS1 rather than Nanaban Tower in the ECCDDS.

(N-2) NACCC reports elevated air samples are due to natural short-lived Radon daughters as confirmed by half-life determination.

(N-3) 3/29/11 0230 (JST): NACCC reports elevated air samples are due to natural short-lived Radon daughters, as confirmed by half-life determination, as well as a potential plume event.

(N-4) 4/3/11 0400 (JST): 1110 f3 Large Volume PAS @ Nanaban Tower - 100ccpm

(N-5) 4/4/11 1229 (JST): 1200 f3 Large Volume PAS @ Nanaban Tower - 30ccpm

(N-6) 4/4/11 2200 (JST): 1350 f3 Large Volume PAS @ Nanaban Tower - 30ccpm

(N-7) 4/5/11 0729 (JST): 1200 ft3 Large Volume PAS @ Nanaban Tower - 0ccpm

(N-8) 4/5/11 1930 (JST): 1350 ft3 Large Volume PAS @ Nanaban Tower - 40ccpm

(N-9) 4/6/11 1930 (JST): 1260 ft3 Large Volume PAS @ Nanaban Tower - 40ccpm



3/15/11 0255	3/15/11 1555	0.01	855		
3/15/11 0315	3/15/11 1615	0.01	1,170		
3/15/11 0330	3/15/11 1630	0.01	1,080		
3/15/11 0400	3/15/11 1700	0.01	945		
3/15/11 0415	3/15/11 1715	0.01	900		
3/15/11 0445	3/15/11 1745	0.01	945		
3/15/11 0500	3/15/11 1800	0.01	1,170		
3/15/11 0515	3/15/11 1815	0.01	990		
3/15/11 0530	3/15/11 1830	0.01	900		
3/15/11 0600	3/15/11 1900	0.01	900	2.3E-09	
3/15/11 0615	3/15/11 1915	0.01	990	2.0E-09	
3/15/11 0630	3/15/11 1930	0.01	990	2.4E-09	
3/15/11 0653	3/15/11 1953	0.01	990	1.8E-09	
3/15/11 0700	3/15/11 2000	0.01	1,125	2.3E-09	
3/15/11 0715	3/15/11 2015	0.01	990	1.8E-09	
3/15/11 0730	3/15/11 2030	0.01	1,035	1.8E-09	
3/15/11 0745	3/15/11 2045	0.01	1,125	2.0E-09	
3/15/11 0800	3/15/11 2100	0.01	1,170	1.8E-09	
3/15/11 0830	3/15/11 2130	0.01	1,125	1.8E-09	
3/15/11 0900	3/15/11 2200	0.01	1,170	2.5E-09	
3/15/11 0930	3/15/11 2230	0.01	1,125	4.2E-09	
3/15/11 1000	3/15/11 2300	0.01	1,125	4.0E-09	
3/15/11 1030	3/15/11 2330	0.01	1,125	3.8E-09	
3/15/11 1100	3/16/11 0000	0.01	1,125	1.5E-09	
3/15/11 1130	3/16/11 0030	0.01	1,125	2.0E-09	
3/15/11 1200	3/16/11 0100	0.01	1,125	2.1E-09	
3/15/11 1230	3/16/11 0130	0.01	1,125	1.5E-09	
3/15/11 1300	3/16/11 0200	0.01	990	1.8E-09	
3/15/11 1330	3/16/11 0230	0.01	990	2.4E-09	
3/15/11 1400	3/16/11 0300	0.01	990	2.9E-09	
3/15/11 1430	3/16/11 0330	0.01	990	4.3E-09	
3/15/11 1500	3/16/11 0400	0.01	990	5.5E-09	
3/15/11 1530	3/16/11 0430	0.01	945	6.4E-09	
3/15/11 1600	3/16/11 0500	0.01	945	5.0E-09	

3/15/11 1630	3/16/11 0530	0.01	900	6.0E-09	
3/15/11 1700	3/16/11 0600	0.01	1,080	3.5E-09	
3/15/11 1730	3/16/11 0630	0.01	945	2.3E-09	
3/15/11 1800	3/16/11 0700	0.01	990	2.8E-09	
3/15/11 1830	3/16/11 0730	0.01	1,080	2.3E-09	
3/15/11 1900	3/16/11 0800	0.01	1,080	2.3E-09	
3/15/11 1930	3/16/11 0830	0.01	1,080	2.5E-09	
3/15/11 2000	3/16/11 0900	0.01	1,215	2.0E-09	
3/15/11 2130	3/16/11 1030	0.01	1,305	2.0E-09	
3/15/11 2200	3/16/11 1100	0.01	1,485	2.3E-09	
3/15/11 2330	3/16/11 1230	0.01	1,440	8.8E-10	
3/16/11 0030	3/16/11 1330	0.01	1,080	1.5E-09	
3/16/11 0100	3/16/11 1400	0.01	1,125	1.5E-09	
3/16/11 0130	3/16/11 1430	0.01	990	9.0E-10	
3/16/11 0300	3/16/11 1600	0.01	900	1.6E-09	
3/16/11 0330	3/16/11 1630	0.01	945	1.5E-09	
3/16/11 0400	3/16/11 1700	0.01	900	1.2E-09	
3/16/11 0430	3/16/11 1730	0.01	900	1.2E-09	
3/16/11 0500	3/16/11 1800	0.01	945	1.0E-09	
3/16/11 0530	3/16/11 1830	0.01	900	8.0E-10	
3/16/11 0600	3/16/11 1900	0.01	990	8.0E-10	
3/16/11 0630	3/16/11 1930	0.01	900	1.2E-09	
3/16/11 0700	3/16/11 2000	0.01	945	8.0E-10	
3/16/11 0730	3/16/11 2030	0.01	900	9.0E-10	
3/16/11 0800	3/16/11 2100	0.01	900	9.3E-10	
3/16/11 0830	3/16/11 2130	0.01	990	1.1E-09	
3/16/11 0900	3/16/11 2200	0.01	990	8.8E-10	
3/16/11 0930	3/16/11 2230	0.01	1,035	8.8E-10	
3/16/11 1000	3/16/11 2300	0.01	990	9.0E-10	
3/16/11 1030	3/16/11 2330	0.01	990	1.0E-09	
3/16/11 1100	3/17/11 0000	0.01	1,125	8.0E-10	
3/16/11 1130	3/17/11 0030	0.01	1,080	1.2E-09	
3/16/11 1200	3/17/11 0100	0.01	900	1.0E-09	
3/16/11 1230	3/17/11 0130	0.01	1,125	1.0E-09	



3/16/11 1300	3/17/11 0200	0.01	945	9.0E-10
3/16/11 1330	3/17/11 0230	0.01	900	8.8E-10
3/16/11 1400	3/17/11 0300	0.01	810	1.0E-09
3/16/11 1430	3/17/11 0330	0.01	810	9.0E-10
3/16/11 1500	3/17/11 0400	0.01	810	9.0E-10
3/16/11 1530	3/17/11 0430	0.01	900	7.5E-10
3/16/11 1600	3/17/11 0500	0.01	945	1.0E-09
3/16/11 1630	3/17/11 0530	0.01	900	9.5E-10
3/16/11 1700	3/17/11 0600	0.01	810	9.0E-10
3/16/11 1730	3/17/11 0630	0.01	810	1.1E-09
3/16/11 1800	3/17/11 0700	0.01	855	1.1E-09
3/16/11 1830	3/17/11 0730	0.01	720	1.0E-09
3/16/11 1900	3/17/11 0800	0.01	1,260	7.5E-10
3/16/11 1930	3/17/11 0830	0.01	1,440	8.5E-10
3/16/11 2000	3/17/11 0900	0.01	1,440	7.0E-10
3/16/11 2030	3/17/11 0930	0.01	810	7.0E-10
3/16/11 2100	3/17/11 1000	0.01	1,035	7.5E-10
3/17/11 0930	3/17/11 2230	0.01	1,215	1.1E-09
3/17/11 1000	3/17/11 2300	0.01	1,575	1.1E-09
3/17/11 1030	3/17/11 2330	0.01	1,035	1.0E-09
3/17/11 1100	3/18/11 0000	0.01	810	8.5E-10
3/17/11 1130	3/18/11 0030	0.01	990	1.1E-09
3/17/11 1500	3/18/11 0400	0.01	900	8.5E-10
3/17/11 1900	3/18/11 0800	0.01	990	1.1E-09
3/17/11 2300	3/18/11 1200	0.01	1,170	1.0E-09
3/18/11 0700	3/18/11 2000	0.01	585	5.0E-10
3/18/11 1100	3/19/11 0000	0.01	563	5.0E-10
3/18/11 1500	3/19/11 0400	0.01	585	<5.0E-10
3/18/11 1900	3/19/11 0800	0.01	450	8.0E-10
3/18/11 2300	3/19/11 1200	0.01	675	<5.0E-10
3/19/11 0300	3/19/11 1600	0.01	675	5.0E-10
3/19/11 0700	3/19/11 2000	0.01	585	<5.0E-10
3/19/11 1100	3/20/11 0000	0.01	585	<5.0E-10
3/19/11 1500	3/20/11 0400	0.01	630	5.0E-10

3/19/11 1900	3/20/11 0800	0.01	495	5.5E-10
3/19/11 2300	3/20/11 1200	0.01	630	6.5E-10
3/20/11 0330	3/20/11 1630	0.01	585	6.5E-10
3/20/11 0400	3/20/11 1700	0.01	720	6.5E-10
3/20/11 0430	3/20/11 1730	0.01	990	5.0E-10
3/20/11 0500	3/20/11 1800	0.01	900	5.0E-10
3/20/11 0530	3/20/11 1830	0.01	720	5.0E-10
3/20/11 0600	3/20/11 1900	0.01	585	<5.0E-10
3/20/11 1700	3/21/11 0600	0.01	<450	2.3E-09
3/20/11 1800	3/21/11 0700	0.01	450	2.6E-09
3/20/11 1815	3/21/11 0715	0.01	450	2.5E-09
3/20/11 1830	3/21/11 0730	0.01	450	2.3E-09
3/20/11 1845	3/21/11 0745	0.01	450	2.5E-09
3/20/11 1900	3/21/11 0800	0.01	450	2.3E-09
3/20/11 1915	3/21/11 0815	0.01	450	2.3E-09
3/20/11 1930	3/21/11 0830	0.01	450	2.5E-09
3/20/11 1945	3/21/11 0845	0.01	450	3.0E-09
3/20/11 2000	3/21/11 0900	0.01	450	2.8E-09
3/20/11 2015	3/21/11 0915	0.01	450	2.5E-09
3/20/11 2030	3/21/11 0930	0.01	450	2.3E-09
3/20/11 2045	3/21/11 0945	0.01	450	2.0E-09
3/20/11 2100	3/21/11 1000	0.01	450	2.2E-09
3/20/11 2115	3/21/11 1015	0.01	450	2.3E-09
3/20/11 2130	3/21/11 1030	0.01	450	2.1E-09
3/20/11 2145	3/21/11 1045	0.01	450	2.0E-09
3/20/11 2200	3/21/11 1100	0.01	450	1.6E-09
3/20/11 2215	3/21/11 1115	0.01	450	1.3E-09
3/20/11 2230	3/21/11 1130	0.01	450	1.3E-09
3/20/11 2245	3/21/11 1145	0.01	495	1.4E-09
3/20/11 2315	3/21/11 1215	0.01	495	1.6E-09
3/20/11 2330	3/21/11 1230	0.01	450	1.3E-09
3/20/11 2345	3/21/11 1245	0.01	495	1.9E-09
3/21/11 0000	3/21/11 1300	0.01	450	1.2E-09
3/21/11 0015	3/21/11 1315	0.01	450	1.5E-09

3/21/11 0030	3/21/11 1330	0.01	450	1.8E-09
3/21/11 0045	3/21/11 1345	0.01	450	1.8E-09
3/21/11 0100	3/21/11 1400	0.01	450	2.5E-09
3/21/11 0115	3/21/11 1415	0.01	450	1.1E-09
3/21/11 0145	3/21/11 1445	0.01	450	8.0E-10
3/21/11 0200	3/21/11 1500	0.01	810	7.0E-10
3/21/11 0215	3/21/11 1515	0.01	945	9.5E-10
3/21/11 0230	3/21/11 1530	0.01	540	1.2E-09
3/21/11 0245	3/21/11 1545	0.01	900	9.5E-10
3/21/11 0300	3/21/11 1600	0.01	855	8.0E-10
3/21/11 0315	3/21/11 1615	0.01	945	6.5E-10
3/21/11 0330	3/21/11 1630	0.01	1,350	8.5E-10
3/21/11 0345	3/21/11 1645	0.01	990	6.0E-10
3/21/11 0400	3/21/11 1700	0.01	900	7.0E-10
3/21/11 0415	3/21/11 1715	0.01	765	8.5E-10
3/21/11 0445	3/21/11 1745	0.01	855	8.5E-10
3/21/11 0545	3/21/11 1845	0.01	1,845	1.2E-09
3/21/11 0615	3/21/11 1915	0.01	2,025	1.0E-09
3/21/11 0645	3/21/11 1945	0.01	2,025	1.5E-09
3/21/11 0715	3/21/11 2015	0.01	1,800	1.5E-09
3/21/11 0745	3/21/11 2045	0.01	1,575	1.3E-09
3/21/11 0815	3/21/11 2115	0.01	1,800	1.3E-09
3/21/11 0845	3/21/11 2145	0.01	1,800	1.0E-09
3/21/11 1029	3/21/11 2329	0.01	1,800	5.0E-10
3/21/11 1148	3/22/11 0048	0.01	2,025	5.0E-10
3/21/11 1430	3/22/11 0330	0.01	1,800	5.0E-10
3/21/11 1630	3/22/11 0530	0.01	1,575	5.0E-10
3/21/11 1730	3/22/11 0630	0.01	1,575	<5.0E-10
3/21/11 1837	3/22/11 0737	0.01	1,575	<5.0E-10
3/21/11 1930	3/22/11 0830	0.01	2,025	<5.0E-10
3/21/11 2030	3/22/11 0930	0.01	2,250	<5.0E-10
3/21/11 2130	3/22/11 1030	0.01	2,025	5.0E-10
3/21/11 2230	3/22/11 1130	0.01	2,025	5.0E-10
3/21/11 2330	3/22/11 1230	0.01	2,250	5.0E-10

3/22/11 0030	3/22/11 1330	0.01	1,800	6.0E-10
3/22/11 0130	3/22/11 1430	0.01	1,710	6.5E-10
3/22/11 0230	3/22/11 1530	0.01	1,800	<5.0E-10
3/22/11 0330	3/22/11 1630	0.01	1,800	9.5E-10
3/22/11 0430	3/22/11 1730	0.01	1,800	8.5E-10
3/22/11 0530	3/22/11 1830	0.01	1,800	5.0E-10
3/22/11 0630	3/22/11 1930	0.01	1,800	5.0E-10
3/22/11 0730	3/22/11 2030	0.01	2,025	6.0E-10
3/22/11 0830	3/22/11 2130	0.01	2,025	7.5E-10
3/22/11 1030	3/22/11 2330	0.01	1,800	1.4E-09
3/22/11 1130	3/23/11 0030	0.01	1,800	1.7E-09
3/22/11 1330	3/23/11 0230	0.01	2,700	1.5E-09
3/22/11 1430	3/23/11 0330	0.01	2,700	1.3E-09
3/22/11 1630	3/23/11 0530	0.01	2,700	5.0E-10
3/22/11 1730	3/23/11 0630	0.01	3,150	6.0E-10
3/22/11 1830	3/23/11 0730	0.01	2,925	7.0E-10
3/22/11 1930	3/23/11 0830	0.01	3,600	5.0E-10
3/22/11 2030	3/23/11 0930	0.01	3,600	5.0E-10
3/22/11 2130	3/23/11 1030	0.01	3,825	<5.0E-10
3/22/11 2230	3/23/11 1130	0.01	4,050	5.0E-10
3/22/11 2330	3/23/11 1230	0.01	4,050	5.0E-10
3/23/11 0030	3/23/11 1330	0.01	4,050	5.0E-10
3/23/11 0130	3/23/11 1430	0.01	3,825	6.0E-10
3/23/11 0230	3/23/11 1530	0.01	4,950	5.0E-10
3/23/11 0330	3/23/11 1630	0.01	5,400	5.0E-10
3/23/11 0430	3/23/11 1730	0.01	5,400	9.0E-10
3/23/11 0530	3/23/11 1830	0.01	5,400	7.5E-10
3/23/11 0630	3/23/11 1930	0.01	3,375	<5.0E-10
3/23/11 0730	3/23/11 2030	0.01	3,825	5.0E-10
3/23/11 0830	3/23/11 2130	0.01	1,575	5.0E-10
3/23/11 1030	3/23/11 2330	0.01	2,700	<5.0E-10
3/23/11 1339	3/24/11 0239	0.01	2,475	<5.0E-10
3/23/11 1500	3/24/11 0400	0.01	2,475	<5.0E-10
3/23/11 1900	3/24/11 0800	0.01	3,375	6.0E-10

3/23/11 2100	3/24/11 1000	0.01	3,150	<5.0E-10	
3/23/11 2300	3/24/11 1200	0.01	3,240	<5.0E-10	
3/24/11 0100	3/24/11 1400	0.01	3,375	<5.0E-10	
3/24/11 0300	3/24/11 1600	0.01	3,060	<5.0E-10	
3/24/11 0500	3/24/11 1800	0.01	3,645	<5.0E-10	
3/24/11 0700	3/24/11 2000	0.01	3,600	<5.0E-10	
3/24/11 1300	3/25/11 0200	0.01	3,375	7.5E-10	(A-1)
3/24/11 1700	3/25/11 0600	0.01	3,150	1.0E-09	(A-1)
3/24/11 1900	3/25/11 0800	0.01	3,150	8.0E-10	(A-1)
3/24/11 2100	3/25/11 1000	0.01	3,150	9.0E-10	(A-1)
3/24/11 2300	3/25/11 1200	0.01	3,150	6.0E-10	(A-1)
3/25/11 0100	3/25/11 1400	0.01	3,150	7.0E-10	(A-1)
3/25/11 0300	3/25/11 1600	0.01	3,150	6.5E-10	(A-1)
3/25/11 0500	3/25/11 1800	0.01	3,150	6.0E-10	(A-1)
3/25/11 0700	3/25/11 2000	0.01	5,850	5.0E-10	
3/25/11 1100	3/26/11 0000	0.01	3,600	5.0E-10	
3/25/11 1300	3/26/11 0200	0.01	2,700	5.0E-10	
3/25/11 1500	3/26/11 0400	0.01	2,700	7.5E-10	
3/25/11 1500	3/26/11 0400	0.01	2,700	7.5E-10	
3/25/11 1700	3/26/11 0600	0.01	2,700	1.0E-09	
3/25/11 1900	3/26/11 0800	0.01	2,565	8.0E-10	
3/25/11 2100	3/26/11 1000	0.01	2,925	<5.0E-10	
3/25/11 2300	3/26/11 1200	0.01	3,330	<5.0E-10	
3/26/11 0100	3/26/11 1400	0.01	2,880	6.0E-10	
3/26/11 0300	3/26/11 1600	0.01	2,745	6.0E-10	
3/26/11 0500	3/26/11 1800	0.01	3,015	<5.0E-10	
3/26/11 0700	3/26/11 2000	0.01	3,600	<5.0E-10	
3/26/11 0900	3/26/11 2200	0.01	2,700	<5.0E-10	
3/26/11 1100	3/27/11 0000	0.01	2,700	5.0E-10	
3/26/11 1300	3/27/11 0200	0.01	2,700	5.0E-10	
3/26/11 1500	3/27/11 0400	0.01	2,700	<5.0E-10	
3/26/11 1700	3/27/11 0600	0.01	2,700	5.0E-10	
3/26/11 1900	3/27/11 0800	0.01	2,700	6.5E-10	
3/26/11 2100	3/27/11 1000	0.01	3,150	5.0E-10	

3/26/11 2300	3/27/11 1200	0.01	2,970	5.0E-10	
3/27/11 0300	3/27/11 1600	0.01	3,645	<5.0E-10	
3/27/11 0500	3/27/11 1800	0.01	3,375	5.0E-10	
3/27/11 0700	3/27/11 2000	0.01	2,610	5.0E-10	
3/27/11 0900	3/27/11 2200	0.01	2,700	9.0E-10	
3/27/11 1100	3/28/11 0000	0.01	2,475	<5.0E-10	
3/27/11 1300	3/28/11 0200	0.01	2,475	<5.0E-10	
3/27/11 1500	3/28/11 0400	0.01	2,475	<5.0E-10	
3/27/11 1900	3/28/11 0800	0.01	2,700	9.0E-10	
3/27/11 2100	3/28/11 1000	0.01	2,700	5.0E-10	
3/27/11 2300	3/28/11 1200	0.01	2,925	<5.0E-10	
3/28/11 0100	3/28/11 1400	0.01	2,475	<5.0E-10	
3/28/11 0300	3/28/11 1600	0.01	2,565	<5.0E-10	
3/28/11 0500	3/28/11 1800	0.01	3,645	<5.0E-10	
3/28/11 0700	3/28/11 2000	0.01	2,385	<5.0E-10	
3/28/11 0900	3/28/11 2200	0.01	2,565	<5.0E-10	
3/28/11 1100	3/29/11 0000	0.01	2,610	<5.0E-10	
3/28/11 1300	3/29/11 0200	0.01	1,800	5.0E-10	(A-1)
3/28/11 1500	3/29/11 0400	0.01	2,160	5.0E-10	(A-1)
3/28/11 1700	3/29/11 0600	0.01	2,025	1.3E-09	(A-1)
3/28/11 1900	3/29/11 0800	0.01	2,700	1.0E-09	(A-1)
3/28/11 2100	3/29/11 1000	0.01	2,700	1.0E-09	(A-1)
3/28/11 2300	3/29/11 1200	0.01	2,925	<5.0E-10	
3/29/11 0100	3/29/11 1400	0.01	2,430	<5.0E-10	
3/29/11 0300	3/29/11 1600	0.01	2,430	<5.0E-10	
3/29/11 0500	3/29/11 1800	0.01	2,475	6.5E-10	
3/29/11 0700	3/29/11 2000	0.01	2,565	<5.0E-10	
3/29/11 0900	3/29/11 2200	0.01	2,340	<5.0E-10	(A-2)
3/29/11 1100	3/30/11 0000	0.01	2,475	<5.0E-10	(A-2)
3/29/11 1300	3/30/11 0200	0.01	2,475	1.0E-09	(A-2)
3/29/11 1500	3/30/11 0400	0.01	2,700	9.0E-10	(A-2)
3/29/11 1700	3/30/11 0600	0.01	2,475	1.1E-09	(A-2)
3/29/11 1900	3/30/11 0800	0.01	2,475	1.0E-09	(A-2)
3/29/11 2100	3/30/11 1000	0.01	2,475	1.2E-09	(A-2)

3/29/11 2300	3/30/11 1200	0.01	2,340	7.5E-10	(A-2)
3/30/11 0300	3/30/11 1600	0.01	2,430	5.0E-10	
3/30/11 0500	3/30/11 1800	0.01	2,340	5.0E-10	
3/30/11 0600	3/30/11 1900	0.01	2,340	5.5E-10	
3/30/11 0700	3/30/11 2000	0.01	2,340	5.5E-10	
3/30/11 0900	3/30/11 2200	0.01	2,160	5.0E-10	
3/30/11 1100	3/31/11 0000	0.01	2,250	7.0E-10	(A-1)
3/30/11 1300	3/31/11 0200	0.01	2,340	8.0E-10	(A-1)
3/30/11 1500	3/31/11 0400	0.01	2,520	7.0E-10	(A-1)
3/30/11 1700	3/31/11 0600	0.01	2,520	7.0E-10	(A-1)
3/30/11 1900	3/31/11 0800	0.01	2,475	<5.0E-10	(A-1)
3/30/11 2100	3/31/11 1000	0.01	2,700	7.0E-10	(A-1)
3/30/11 2300	3/31/11 1200	0.01	1,935	5.0E-10	(A-1)
3/31/11 0100	3/31/11 1400	0.01	1,710	5.0E-10	(A-1)
3/31/11 0300	3/31/11 1600	0.01	1,845	5.5E-10	(A-1)
3/31/11 0500	3/31/11 1800	0.01	2,565	5.0E-10	
3/31/11 0700	3/31/11 2000	0.01	2,160	5.0E-10	
3/31/11 0900	3/31/11 2200	0.01	2,250	5.0E-10	
3/31/11 1100	4/1/11 0000	0.01	2,250	<5.0E-10	
3/31/11 1300	4/1/11 0200	0.01	2,160	5.0E-10	
3/31/11 1500	4/1/11 0400	0.01	2,250	9.0E-10	(A-1)
3/31/11 1700	4/1/11 0600	0.01	2,160	1.0E-09	(A-1)
3/31/11 1900	4/1/11 0800	0.01	2,025	1.0E-09	(A-1)
3/31/11 2100	4/1/11 1000	0.01	2,025	6.0E-10	
3/31/11 2300	4/1/11 1200	0.01	1,980	<5.0E-10	
4/1/11 0100	4/1/11 1400	0.01	2,700	5.0E-10	
4/1/11 0300	4/1/11 1600	0.01	2,430	5.0E-10	
4/1/11 0500	4/1/11 1800	0.01	2,475	<5.0E-10	
4/1/11 0700	4/1/11 2000	0.01	2,475	<5.0E-10	
4/1/11 0900	4/1/11 2200	0.01	2,475	5.0E-10	
4/1/11 1100	4/2/11 0000	0.01	2,700	<5.0E-10	
4/1/11 1300	4/2/11 0200	0.01	2,430	7.0E-10	
4/1/11 1500	4/2/11 0400	0.01	2,250	9.0E-10	
4/1/11 1700	4/2/11 0600	0.01	2,160	1.0E-09	

4/1/11 1900	4/2/11 0800	0.01	2,250	1.1E-09	
4/1/11 2100	4/2/11 1000	0.01	2,250	7.5E-10	
4/1/11 2300	4/2/11 1200	0.01	2,250	9.0E-10	
4/2/11 0100	4/2/11 1400	0.01	2,250	8.0E-10	
4/2/11 0300	4/2/11 1600	0.01	2,250	6.5E-10	
4/2/11 0500	4/2/11 1800	0.01	2,160	6.0E-10	
4/2/11 0700	4/2/11 2000	0.01	2,880	<5.0E-10	
4/2/11 0900	4/2/11 2200	0.01	2,880	<5.0E-10	
4/2/11 1100	4/3/11 0000	0.01	2,250	<5.0E-10	
4/2/11 1300	4/3/11 0200	0.01	2,250	<5.0E-10	
4/2/11 1500	4/3/11 0400	0.01	2,340	7.0E-10	
4/2/11 1700	4/3/11 0600	0.01	2,250	5.0E-10	
4/2/11 1900	4/3/11 0800	0.01	2,025	<5.0E-10	
4/2/11 2100	4/3/11 1000	0.01	2,250	5.0E-10	
4/2/11 2300	4/3/11 1200	0.01	2,250	5.5E-10	
4/3/11 0100	4/3/11 1400	0.01	2,295	<5.0E-10	
4/3/11 0300	4/3/11 1600	0.01	2,025	5.0E-10	
4/3/11 0500	4/3/11 1800	0.01	3,780	<5.0E-10	
4/3/11 0700	4/3/11 2000	0.01	1,800	<5.0E-10	
4/3/11 0900	4/3/11 2200	0.01	1,935	<5.0E-10	
4/3/11 1100	4/4/11 0000	0.01	2,025	7.0E-10	
4/3/11 1300	4/4/11 0200	0.01	2,025	6.0E-10	
4/3/11 1500	4/4/11 0400	0.01	2,025	5.0E-10	
4/3/11 1700	4/4/11 0600	0.01	2,115	6.0E-10	
4/3/11 1900	4/4/11 0800	0.01	2,115	<5.0E-10	
4/3/11 2100	4/4/11 1000	0.01	2,115	<5.0E-10	
4/3/11 2300	4/4/11 1200	0.01	2,025	<5.0E-10	
4/4/11 0100	4/4/11 1400	0.01	2,025	5.0E-10	
4/4/11 0300	4/4/11 1600	0.01	2,025	<5.0E-10	
4/4/11 0500	4/4/11 1800	0.01	2,385	<5.0E-10	
4/4/11 0700	4/4/11 2000	0.01	2,250	<5.0E-10	
4/4/11 0900	4/4/11 2200	0.01	2,340	<5.0E-10	
4/4/11 1100	4/5/11 0000	0.01	2,250	<5.0E-10	
4/4/11 1300	4/5/11 0200	0.01	2,250	5.0E-10	(A-3)



4/4/11 1500	4/5/11 0400	0.01	2,250	6.0E-10
4/4/11 1700	4/5/11 0600	0.01	2,160	8.0E-10
4/4/11 1900	4/5/11 0800	0.01	2,160	6.0E-10
4/4/11 2100	4/5/11 1000	0.01	2,160	<5.0E-10
4/4/11 2300	4/5/11 1200	0.01	1,575	<5.0E-10
4/5/11 0100	4/5/11 1400	0.01	1,350	<5.0E-10
4/5/11 0300	4/5/11 1600	0.01	1,688	<5.0E-10
4/5/11 0500	4/5/11 1800	0.01	1,688	<5.0E-10
4/5/11 0700	4/5/11 2000	0.01	1,710	<5.0E-10
4/5/11 0900	4/5/11 2200	0.01	1,665	<5.0E-10
4/5/11 1100	4/6/11 0000	0.01	1,800	6.0E-10
4/5/11 1300	4/6/11 0200	0.01	1,620	6.0E-10
4/5/11 1500	4/6/11 0400	0.01	1,710	7.5E-10
4/5/11 1700	4/6/11 0600	0.01	1,710	6.0E-10
4/5/11 1900	4/6/11 0800	0.01	1,575	5.0E-10
4/5/11 2100	4/6/11 1000	0.01	1,350	<5.0E-10
4/5/11 2300	4/6/11 1200	0.01	1,350	<5.0E-10
4/6/11 0100	4/6/11 1400	0.01	1,350	5.0E-10
4/6/11 0300	4/6/11 1600	0.01	1,575	<5.0E-10
4/6/11 0500	4/6/11 1800	0.01	2,430	<5.0E-10
4/6/11 0700	4/6/11 2000	0.01	2,430	<5.0E-10
4/6/11 0900	4/6/11 2200	0.01	2,430	<5.0E-10
4/6/11 1100	4/7/11 0000	0.01	1,710	<5.0E-10
4/6/11 1300	4/7/11 0200	0.01	1,620	<5.0E-10
4/6/11 1500	4/7/11 0400	0.01	1,710	5.0E-10
4/6/11 1700	4/7/11 0600	0.01	1,710	7.5E-10
4/6/11 1900	4/7/11 0800	0.01	1,575	6.0E-10
4/6/11 2300	4/7/11 1200	0.01	1,350	<5.0E-10
4/7/11 0300	4/7/11 1600	0.01	1,350	<5.0E-10
4/7/11 0700	4/7/11 2000	0.01	1,350	<5.0E-10
4/7/11 1100	4/8/11 0000	0.01	1,710	<5.0E-10
4/7/11 1500	4/8/11 0400	0.01	1,800	<5.0E-10
4/7/11 1900	4/8/11 0800	0.01	1,800	<5.0E-10
4/7/11 2300	4/8/11 1200	0.01	1,800	<5.0E-10

4/8/11 0300	4/8/11 1600	0.01	1,800	<5.0E-10
4/8/11 0700	4/8/11 2000	0.01	1,350	<5.0E-10
4/8/11 1100	4/9/11 0000	0.01	1,463	<5.0E-10
4/8/11 1500	4/9/11 0400	0.01	1,575	<5.0E-10
4/8/11 1900	4/9/11 0800	0.01	1,125	<5.0E-10
4/8/11 2300	4/9/11 1200	0.01	900	<5.0E-10
4/9/11 0300	4/9/11 1600	0.01	1,260	<5.0E-10
4/9/11 0700	4/9/11 2000	0.01	1,350	<5.0E-10
4/9/11 1100	4/10/11 0000	0.01	1,440	5.0E-10
4/9/11 1500	4/10/11 0400	0.01	1,845	5.0E-10
4/9/11 1900	4/10/11 0800	0.01	1,800	5.5E-10
4/9/11 2300	4/10/11 1200	0.01	1,800	<5.0E-10
4/10/11 0300	4/10/11 1600	0.01	1,350	<5.0E-10

**Notes**

(A-1) NACCC reports elevated air samples are due to natural short-lived Radon daughters as confirmed by alpha meter readings.

(A-2) 3/28/11 0230 (JST): NACCC reports elevated air samples are due to natural short-lived Radon daughters, as confirmed by alpha meter readings, as well as a potential plume event.

(A-3) 4/5/11 0200 (JST): NACCC Reports Elevated Air Samples Due to Short-Lived Activity.



3/27/11 1100	3/28/11 0000	0.01	3,600	<5.0E-10	
3/27/11 1200	3/28/11 0100	0.01	3,600	<5.0E-10	
3/27/11 1300	3/28/11 0200	0.01	3,600	<5.0E-10	
3/27/11 1400	3/28/11 0300	0.01	3,600	<5.0E-10	
3/27/11 1500	3/28/11 0400	0.01	3,600	<5.0E-10	
3/27/11 1600	3/28/11 0500	0.01	3,600	<5.0E-10	
3/27/11 1700	3/28/11 0600	0.01	3,600	<5.0E-10	
3/27/11 1800	3/28/11 0700	0.01	3,600	<5.0E-10	
3/27/11 1900	3/28/11 0800	0.01	3,690	<5.0E-10	
3/27/11 2000	3/28/11 0900	0.01	3,690	<5.0E-10	
3/27/11 2100	3/28/11 1000	0.01	3,690	<5.0E-10	
3/27/11 2200	3/28/11 1100	0.01	3,690	<5.0E-10	
3/27/11 2300	3/28/11 1200	0.01	3,735	<5.0E-10	
3/28/11 0000	3/28/11 1300	0.01	3,735	<5.0E-10	
3/28/11 0100	3/28/11 1400	0.01	3,735	<5.0E-10	
3/28/11 0200	3/28/11 1500	0.01	3,600	<5.0E-10	
3/28/11 0300	3/28/11 1600	0.01	3,600	<5.0E-10	
3/28/11 0400	3/28/11 1700	0.01	3,690	<5.0E-10	
3/28/11 0500	3/28/11 1800	0.01	3,690	<5.0E-10	
3/28/11 0600	3/28/11 1900	0.01	3,690	<5.0E-10	
3/28/11 0700	3/28/11 2000	0.01	3,690	<5.0E-10	
3/28/11 0800	3/28/11 2100	0.01	3,690	<5.0E-10	
3/28/11 0900	3/28/11 2200	0.01	3,690	<5.0E-10	
3/28/11 1000	3/28/11 2300	0.01	3,735	<5.0E-10	
3/28/11 1100	3/29/11 0000	0.01	3,735	<5.0E-10	
3/28/11 1200	3/29/11 0100	0.01	3,735	<5.0E-10	
3/28/11 1300	3/29/11 0200	0.01	3,735	<5.0E-10	(Mit-1)
3/28/11 1400	3/29/11 0300	0.01	3,735	<5.0E-10	(Mit-1)
3/28/11 1500	3/29/11 0400	0.01	3,735	<5.0E-10	(Mit-1)
3/28/11 1600	3/29/11 0500	0.02	3,600	<5.0E-10	(Mit-1)
3/28/11 1700	3/29/11 0600	0.02	3,735	<5.0E-10	(Mit-1)
3/28/11 1800	3/29/11 0700	0.01	3,690	<5.0E-10	(Mit-1)
3/28/11 1900	3/29/11 0800	0.01	3,780	<5.0E-10	(Mit-1)
3/28/11 2000	3/29/11 0900	0.01	3,780	<5.0E-10	(Mit-1)

3/28/11 2100	3/29/11 1000	0.01	3,735	<5.0E-10	(Mit-1)					
3/28/11 2200	3/29/11 1100	0.01	3,690	<5.0E-10	(Mit-1)					
3/28/11 2300	3/29/11 1200	0.01	3,690	<5.0E-10						
3/29/11 0000	3/29/11 1300	0.01	3,690	<5.0E-10						
3/29/11 0100	3/29/11 1400	0.01	3,735	<5.0E-10						
3/29/11 0200	3/29/11 1500	0.01	3,690	<5.0E-10						
3/29/11 0300	3/29/11 1600	0.01	3,690	<5.0E-10						
3/29/11 0400	3/29/11 1700	0.01	3,690	<5.0E-10						
3/29/11 0500	3/29/11 1800	0.01	3,915	<5.0E-10						
3/29/11 0600	3/29/11 1900	0.01	4,050	<5.0E-10						
3/29/11 0700	3/29/11 2000	0.01	4,050	<5.0E-10						
3/29/11 0800	3/29/11 2100	0.01	3,825	<5.0E-10						
3/29/11 0900	3/29/11 2200	0.01	3,870	<5.0E-10	(Mit-2)					
3/29/11 1000	3/29/11 2300	0.01	3,825	<5.0E-10	(Mit-2)					
3/29/11 1100	3/30/11 0000	0.02	3,735	6.5E-10	(Mit-2)					
3/29/11 1200	3/30/11 0100	0.01	3,735	7.5E-10	(Mit-2)					
3/29/11 1300	3/30/11 0200	0.02	3,735	6.5E-08	(Mit-2)					
3/29/11 1400	3/30/11 0300	0.02	3,825	8.5E-10	(Mit-2)					
3/29/11 1500	3/30/11 0400	0.02	3,825	1.0E-09	(Mit-2)					
3/29/11 1600	3/30/11 0500	0.02	3,825	1.3E-09	(Mit-2)					
3/29/11 1700	3/30/11 0600	0.02	4,050	1.3E-09	(Mit-2)					
3/29/11 1800	3/30/11 0700	0.01	3,825	1.3E-09	(Mit-2)					
3/29/11 1900	3/30/11 0800	0.01	3,915	1.0E-09	(Mit-2)					
3/29/11 2000	3/30/11 0900	0.01	3,825	2.3E-09	(Mit-2)	1.62E-10	2.65E-10	1.40E-11	3.69E-10	1.29E-11
3/29/11 2030	3/30/11 0930	0.01	3,825	1.0E-09	(Mit-2)					
3/29/11 2100	3/30/11 1000	0.01	3,825	1.8E-09	(Mit-2)					
3/29/11 2130	3/30/11 1030	0.01	3,825	6.5E-10	(Mit-2)					
3/29/11 2200	3/30/11 1100	0.01	4,050	7.5E-10	(Mit-2)					
3/29/11 2230	3/30/11 1130	0.01	4,050	1.0E-09	(Mit-2)					
3/29/11 2300	3/30/11 1200	0.01	4,050	1.0E-09	(Mit-2)					
3/29/11 2330	3/30/11 1230	0.01	4,050	1.0E-09	(Mit-2)					
3/30/11 0000	3/30/11 1300	0.01	4,050	5.5E-10	(Mit-2)					
3/30/11 0030	3/30/11 1330	0.01	4,050	5.0E-10	(Mit-2)					
3/30/11 0100	3/30/11 1400	0.01	4,050	<5.0E-10						

3/30/11 0200	3/30/11 1500	0.01	4,050	<5.0E-10
3/30/11 0300	3/30/11 1600	0.01	3,870	<5.0E-10
3/30/11 0400	3/30/11 1700	0.01	3,825	<5.0E-10
3/30/11 0500	3/30/11 1800	0.01	3,825	<5.0E-10
3/30/11 0600	3/30/11 1900	0.01	4,050	<5.0E-10
3/30/11 0700	3/30/11 2000	0.01	4,050	<5.0E-10
3/30/11 0800	3/30/11 2100	0.01	4,050	<5.0E-10
3/30/11 0900	3/30/11 2200	0.01	2,475	<5.0E-10
3/30/11 1000	3/30/11 2300	0.01	2,520	<5.0E-10
3/30/11 1100	3/31/11 0000	0.02	2,520	<5.0E-10
3/30/11 1200	3/31/11 0100	0.02	2,520	<5.0E-10
3/30/11 1300	3/31/11 0200	0.01	2,610	<5.0E-10
3/30/11 1400	3/31/11 0300	0.01	2,610	<5.0E-10
3/30/11 1500	3/31/11 0400	0.01	2,925	1.5E-09
3/30/11 1600	3/31/11 0500	0.02	3,240	1.3E-09
3/30/11 1630	3/31/11 0530	0.02	3,600	1.0E-09
3/30/11 1700	3/31/11 0600	0.01	3,690	1.5E-09
3/30/11 1730	3/31/11 0630	0.01	3,375	1.4E-09
3/30/11 1800	3/31/11 0700	0.01	3,375	7.5E-10
3/30/11 1830	3/31/11 0730	0.01	2,700	8.0E-10
3/30/11 1845	3/31/11 0745	0.01	3,060	5.5E-10
3/30/11 1900	3/31/11 0800	0.01	3,060	5.0E-10
3/30/11 1915	3/31/11 0815	0.01	3,690	5.0E-10
3/30/11 1930	3/31/11 0830	0.01	3,465	5.0E-10
3/30/11 1945	3/31/11 0845	0.01	3,465	6.5E-10
3/30/11 2000	3/31/11 0900	0.01	3,150	<5.0E-10
3/30/11 2015	3/31/11 0915	0.01	3,150	<5.0E-10
3/30/11 2030	3/31/11 0930	0.01	3,150	5.0E-10
3/30/11 2045	3/31/11 0945	0.01	3,600	<5.0E-10
3/30/11 2100	3/31/11 1000	0.01	3,600	<5.0E-10
3/30/11 2130	3/31/11 1030	0.01	3,600	<5.0E-10
3/30/11 2200	3/31/11 1100	0.01	3,600	<5.0E-10
3/30/11 2230	3/31/11 1130	0.01	3,600	<5.0E-10
3/30/11 2300	3/31/11 1200	0.01	3,510	<5.0E-10

3/31/11 0000	3/31/11 1300	0.01	3,960	<5.0E-10	
3/31/11 0100	3/31/11 1400	0.01	4,050	<5.0E-10	
3/31/11 0200	3/31/11 1500	0.01	3,915	<5.0E-10	
3/31/11 0300	3/31/11 1600	0.01	3,960	<5.0E-10	
3/31/11 0400	3/31/11 1700	0.01	3,600	<5.0E-10	
3/31/11 0500	3/31/11 1800	0.01	3,600	5.0E-10	
3/31/11 0600	3/31/11 1900	0.01	3,690	5.5E-10	
3/31/11 0700	3/31/11 2000	0.01	3,600	<5.0E-10	
3/31/11 0800	3/31/11 2100	0.01	3,600	5.0E-10	
3/31/11 0900	3/31/11 2200	0.01	3,600	5.0E-10	
3/31/11 1000	3/31/11 2300	0.01	3,510	8.0E-10	(Mit-3)
3/31/11 1100	4/1/11 0000	0.01	3,285	8.5E-10	(Mit-3)
3/31/11 1200	4/1/11 0100	0.01	3,375	6.5E-10	(Mit-3)
3/31/11 1300	4/1/11 0200	0.01	3,510	7.5E-10	(Mit-3)
3/31/11 1400	4/1/11 0300	0.01	3,510	9.0E-10	(Mit-3)
3/31/11 1500	4/1/11 0400	0.02	3,555	1.2E-09	(Mit-3, 4)
3/31/11 1600	4/1/11 0500	0.02	3,645	7.5E-10	(Mit-3)
3/31/11 1700	4/1/11 0600	0.01	3,645	1.5E-09	(Mit-3, 4)
3/31/11 1800	4/1/11 0700	0.01	3,600	1.0E-09	(Mit-3)
3/31/11 1900	4/1/11 0800	0.01	3,825	9.0E-10	(Mit-3)
3/31/11 2000	4/1/11 0900	0.01	3,870	6.5E-10	(Mit-3, 4)
3/31/11 2100	4/1/11 1000	0.01	3,690	5.0E-10	
3/31/11 2200	4/1/11 1100	0.01	3,600	<5.0E-10	
3/31/11 2300	4/1/11 1200	0.01	3,645	<5.0E-10	
4/1/11 0000	4/1/11 1300	0.01	3,825	<5.0E-10	
4/1/11 0030	4/1/11 1330	0.01	3,825	<5.0E-10	
4/1/11 0100	4/1/11 1400	0.01	3,960	<5.0E-10	
4/1/11 0130	4/1/11 1430	0.01	3,960	<5.0E-10	
4/1/11 0200	4/1/11 1500	0.01	4,050	<5.0E-10	
4/1/11 0300	4/1/11 1600	0.01	4,050	5.0E-10	
4/1/11 0400	4/1/11 1700	0.01	4,050	<5.0E-10	
4/1/11 0500	4/1/11 1800	0.01	3,825	<5.0E-10	
4/1/11 0600	4/1/11 1900	0.01	3,690	<5.0E-10	
4/1/11 0700	4/1/11 2000	0.01	3,600	<5.0E-10	

4/1/11 0800	4/1/11 2100	0.01	3,600	5.0E-10
4/1/11 0900	4/1/11 2200	0.01	3,600	5.0E-10
4/1/11 1000	4/1/11 2300	0.01	3,645	5.0E-10
4/1/11 1100	4/2/11 0000	0.01	3,600	8.5E-10
4/1/11 1200	4/2/11 0100	0.01	3,825	1.2E-09
4/1/11 1300	4/2/11 0200	0.01	3,825	1.3E-09
4/1/11 1400	4/2/11 0300	0.01	4,050	1.5E-09
4/1/11 1500	4/2/11 0400	0.01	3,600	1.4E-09
4/1/11 1600	4/2/11 0500	0.01	3,690	2.5E-09
4/1/11 1700	4/2/11 0600	0.01	3,600	1.8E-09
4/1/11 1800	4/2/11 0700	0.01	3,645	1.8E-09
4/1/11 1900	4/2/11 0800	0.01	3,645	1.3E-09
4/1/11 2000	4/2/11 0900	0.02	3,645	1.0E-09
4/1/11 2100	4/2/11 1000	0.01	3,645	9.0E-10
4/1/11 2200	4/2/11 1100	0.02	3,645	8.0E-10
4/1/11 2300	4/2/11 1200	0.02	3,645	9.0E-10
4/2/11 0000	4/2/11 1300	0.01	3,735	7.5E-10
4/2/11 0100	4/2/11 1400	0.01	3,735	8.0E-10
4/2/11 0200	4/2/11 1500	0.01	3,600	5.5E-10
4/2/11 0300	4/2/11 1600	0.01	3,600	5.5E-10
4/2/11 0400	4/2/11 1700	0.01	3,375	<5.0E-10
4/2/11 0500	4/2/11 1800	0.01	3,375	5.0E-10
4/2/11 0600	4/2/11 1900	0.01	3,780	<5.0E-10
4/2/11 0700	4/2/11 2000	0.01	3,690	<5.0E-10
4/2/11 0800	4/2/11 2100	0.01	3,690	<5.0E-10
4/2/11 0900	4/2/11 2200	0.01	3,690	<5.0E-10
4/2/11 1000	4/2/11 2300	0.01	3,690	<5.0E-10
4/2/11 1100	4/3/11 0000	0.01	3,600	<5.0E-10
4/2/11 1200	4/3/11 0100	0.01	3,600	<5.0E-10
4/2/11 1300	4/3/11 0200	0.01	3,645	<5.0E-10
4/2/11 1400	4/3/11 0300	0.01	3,735	5.5E-10
4/2/11 1500	4/3/11 0400	0.01	3,735	<5.0E-10
4/2/11 1600	4/3/11 0500	0.01	3,735	<5.0E-10
4/2/11 1700	4/3/11 0600	0.01	3,735	<5.0E-10



4/2/11 1800	4/3/11 0700	0.01	3,735	<5.0E-10
4/2/11 1900	4/3/11 0800	0.01	3,735	<5.0E-10
4/2/11 2000	4/3/11 0900	0.01	3,600	<5.0E-10
4/2/11 2100	4/3/11 1000	0.01	3,645	<5.0E-10
4/2/11 2200	4/3/11 1100	0.01	3,600	<5.0E-10
4/2/11 2300	4/3/11 1200	0.01	3,645	<5.0E-10
4/3/11 0000	4/3/11 1300	0.01	3,600	<5.0E-10
4/3/11 0100	4/3/11 1400	0.01	3,780	<5.0E-10
4/3/11 0200	4/3/11 1500	0.01	3,780	<5.0E-10
4/3/11 0300	4/3/11 1600	0.01	3,780	<5.0E-10
4/3/11 0400	4/3/11 1700	0.01	3,690	<5.0E-10
4/3/11 0500	4/3/11 1800	0.01	3,780	<5.0E-10
4/3/11 0600	4/3/11 1900	0.01	3,780	<5.0E-10
4/3/11 0700	4/3/11 2000	0.01	3,690	<5.0E-10
4/3/11 0800	4/3/11 2100	0.01	3,150	<5.0E-10
4/3/11 0900	4/3/11 2200	0.01	3,780	<5.0E-10
4/3/11 1000	4/3/11 2300	0.01	3,780	5.5E-10
4/3/11 1100	4/4/11 0000	0.01	3,780	7.0E-10
4/3/11 1130	4/4/11 0030	0.01	3,780	9.0E-10
4/3/11 1200	4/4/11 0100	0.01	3,780	9.0E-10
4/3/11 1230	4/4/11 0130	0.01	3,780	1.2E-09
4/3/11 1300	4/4/11 0200	0.01	3,780	1.0E-09
4/3/11 1330	4/4/11 0230	0.01	3,780	9.0E-10
4/3/11 1400	4/4/11 0300	0.01	3,780	8.5E-10
4/3/11 1430	4/4/11 0330	0.01	3,780	7.5E-10
4/3/11 1500	4/4/11 0400	0.01	3,780	9.5E-10
4/3/11 1530	4/4/11 0430	0.01	3,780	9.0E-10
4/3/11 1600	4/4/11 0500	0.01	3,780	9.0E-10
4/3/11 1630	4/4/11 0530	0.01	3,780	9.5E-10
4/3/11 1700	4/4/11 0600	0.01	3,780	1.0E-09
4/3/11 1730	4/4/11 0630	0.01	3,780	9.0E-10
4/3/11 1800	4/4/11 0700	0.01	3,780	1.0E-09
4/3/11 1830	4/4/11 0730	0.01	3,780	1.0E-09
4/3/11 1900	4/4/11 0800	0.01	3,780	<5.0E-10

4/3/11 1930	4/4/11 0830	0.01	3,780	<5.0E-10	
4/3/11 2000	4/4/11 0900	0.01	3,780	<5.0E-10	
4/3/11 2100	4/4/11 1000	0.01	3,780	<5.0E-10	
4/3/11 2200	4/4/11 1100	0.01	3,780	<5.0E-10	
4/3/11 2300	4/4/11 1200	0.01	3,780	<5.0E-10	
4/4/11 0000	4/4/11 1300	0.01	3,825	<5.0E-10	
4/4/11 0106	4/4/11 1406	<0.01	3,825	<5.0E-10	
4/4/11 0200	4/4/11 1500	0.01	4,050	<5.0E-10	
4/4/11 0300	4/4/11 1600	0.01	3,960	<5.0E-10	
4/4/11 0400	4/4/11 1700	0.01	3,870	<5.0E-10	
4/4/11 0500	4/4/11 1800	0.01	3,825	<5.0E-10	
4/4/11 0600	4/4/11 1900	0.01	3,960	<5.0E-10	
4/4/11 0700	4/4/11 2000	0.01	3,825	<5.0E-10	
4/4/11 0800	4/4/11 2100	0.01	3,870	<5.0E-10	
4/4/11 0900	4/4/11 2200	0.01	3,825	<5.0E-10	
4/4/11 1000	4/4/11 2300	0.01	3,735	<5.0E-10	
4/4/11 1100	4/5/11 0000	0.01	3,825	<5.0E-10	
4/4/11 1200	4/5/11 0100	0.01	3,825	<5.0E-10	
4/4/11 1300	4/5/11 0200	0.01	3,825	<5.0E-10	
4/4/11 1400	4/5/11 0300	0.01	3,825	<5.0E-10	
4/4/11 1500	4/5/11 0400	0.01	3,825	1.0E-09	
4/4/11 1530	4/5/11 0430	0.01	3,825	8.0E-10	
4/4/11 1600	4/5/11 0500	0.01	3,825	9.0E-10	(Mit-5)
4/4/11 1700	4/5/11 0600	0.01	3,825	8.0E-10	(Mit-5)
4/4/11 1800	4/5/11 0700	0.01	3,825	1.1E-09	
4/4/11 1900	4/5/11 0800	0.01	3,825	8.5E-10	
4/4/11 1930	4/5/11 0830	0.01	3,825	5.0E-10	
4/4/11 2000	4/5/11 0900	0.01	3,825	5.0E-10	
4/4/11 2100	4/5/11 1000	0.01	3,825	<5.0E-10	
4/4/11 2200	4/5/11 1100	0.01	3,825	<5.0E-10	
4/4/11 2300	4/5/11 1200	0.01	3,825	<5.0E-10	
4/5/11 0000	4/5/11 1300	0.01	3,780	<5.0E-10	
4/5/11 0100	4/5/11 1400	0.01	3,780	<5.0E-10	
4/5/11 0200	4/5/11 1500	0.01	3,825	<5.0E-10	

4/5/11 0300	4/5/11 1600	0.01	3,960	<5.0E-10
4/5/11 0400	4/5/11 1700	0.01	3,780	<5.0E-10
4/5/11 0500	4/5/11 1800	0.01	3,960	<5.0E-10
4/5/11 0600	4/5/11 1900	0.01	3,780	<5.0E-10
4/5/11 0700	4/5/11 2000	0.01	3,960	<5.0E-10
4/5/11 0800	4/5/11 2100	0.01	3,825	<5.0E-10
4/5/11 0900	4/5/11 2200	0.01	3,780	<5.0E-10
4/5/11 1000	4/5/11 2300	0.01	3,960	7.0E-10
4/5/11 1030	4/5/11 2330	0.01	3,960	7.0E-10
4/5/11 1100	4/6/11 0000	0.01	3,960	8.0E-10
4/5/11 1200	4/6/11 0100	0.01	3,960	1.3E-09
4/5/11 1300	4/6/11 0200	0.01	3,960	1.2E-09
4/5/11 1400	4/6/11 0300	0.01	3,960	1.1E-09
4/5/11 1500	4/6/11 0400	0.01	3,960	1.1E-09
4/5/11 1600	4/6/11 0500	0.01	3,960	1.0E-09
4/5/11 1700	4/6/11 0600	0.01	3,960	1.1E-09
4/5/11 1800	4/6/11 0700	0.01	3,960	1.1E-09
4/5/11 1900	4/6/11 0800	0.01	3,960	7.5E-10
4/5/11 2000	4/6/11 0900	0.01	3,960	5.0E-10
4/5/11 2100	4/6/11 1000	0.01	3,960	<5.0E-10
4/5/11 2200	4/6/11 1100	0.01	3,960	<5.0E-10
4/5/11 2300	4/6/11 1200	0.01	3,825	<5.0E-10
4/6/11 0000	4/6/11 1300	0.01	3,825	<5.0E-10
4/6/11 0100	4/6/11 1400	<0.01	3,780	<5.0E-10
4/6/11 0200	4/6/11 1500	0.01	3,825	<5.0E-10
4/6/11 0300	4/6/11 1600	0.01	3,825	<5.0E-10
4/6/11 0400	4/6/11 1700	<0.01	3,960	<5.0E-10
4/6/11 0500	4/6/11 1800	<0.01	3,870	<5.0E-10
4/6/11 0600	4/6/11 1900	0.01	3,960	<5.0E-10
4/6/11 0700	4/6/11 2000	0.01	3,870	<5.0E-10
4/6/11 0800	4/6/11 2100	0.01	3,870	<5.0E-10
4/6/11 0900	4/6/11 2200	0.01	4,050	<5.0E-10
4/6/11 1000	4/6/11 2300	0.01	4,050	<5.0E-10
4/6/11 1100	4/7/11 0000	0.01	3,960	1.1E-09

4/6/11 1200	4/7/11 0100	0.01	3,960	1.1E-09
4/6/11 1300	4/7/11 0200	0.01	3,960	1.3E-09
4/6/11 1400	4/7/11 0300	0.01	3,960	1.1E-09
4/6/11 1500	4/7/11 0400	0.01	3,960	1.3E-09
4/6/11 1600	4/7/11 0500	0.01	3,960	1.4E-09
4/6/11 1700	4/7/11 0600	0.01	3,960	1.5E-09
4/6/11 1800	4/7/11 0700	0.01	3,960	1.5E-09
4/6/11 1900	4/7/11 0800	0.01	3,960	9.0E-10
4/6/11 2000	4/7/11 0900	0.01	3,825	6.0E-10
4/6/11 2100	4/7/11 1000	0.01	4,050	6.5E-10
4/6/11 2200	4/7/11 1100	0.01	3,825	<5.0E-10
4/6/11 2300	4/7/11 1200	0.01	3,825	<5.0E-10
4/7/11 0000	4/7/11 1300	0.01	3,780	<5.0E-10
4/7/11 0100	4/7/11 1400	0.01	3,870	<5.0E-10
4/7/11 0200	4/7/11 1500	0.01	3,870	<5.0E-10
4/7/11 0300	4/7/11 1600	0.01	3,690	<5.0E-10
4/7/11 0400	4/7/11 1700	0.01	3,825	<5.0E-10
4/7/11 0500	4/7/11 1800	0.01	3,825	<5.0E-10
4/7/11 0600	4/7/11 1900	0.01	3,825	<5.0E-10
4/7/11 0700	4/7/11 2000	0.01	3,780	<5.0E-10
4/7/11 0800	4/7/11 2100	0.01	3,600	<5.0E-10
4/7/11 0900	4/7/11 2200	0.01	3,600	<5.0E-10
4/7/11 1000	4/7/11 2300	0.01	3,690	<5.0E-10
4/7/11 1100	4/8/11 0000	0.01	3,825	<5.0E-10
4/7/11 1200	4/8/11 0100	0.01	3,825	<5.0E-10
4/7/11 1300	4/8/11 0200	0.01	3,825	<5.0E-10
4/7/11 1400	4/8/11 0300	0.01	3,825	<5.0E-10
4/7/11 1500	4/8/11 0400	0.01	3,825	<5.0E-10
4/7/11 1600	4/8/11 0500	0.01	3,825	<5.0E-10
4/7/11 1700	4/8/11 0600	0.01	3,825	<5.0E-10
4/7/11 1800	4/8/11 0700	0.01	3,825	<5.0E-10
4/7/11 1900	4/8/11 0800	0.01	3,870	<5.0E-10
4/7/11 2000	4/8/11 0900	0.01	3,825	<5.0E-10
4/7/11 2100	4/8/11 1000	0.01	3,960	<5.0E-10

4/7/11 2200	4/8/11 1100	0.01	3,960	<5.0E-10
4/7/11 2300	4/8/11 1200	0.01	3,780	<5.0E-10
4/8/11 0000	4/8/11 1300	0.01	3,960	<5.0E-10
4/8/11 0100	4/8/11 1400	0.01	3,780	<5.0E-10
4/8/11 0200	4/8/11 1500	0.01	3,780	<5.0E-10
4/8/11 0300	4/8/11 1600	0.01	3,690	<5.0E-10
4/8/11 0400	4/8/11 1700	0.01	3,600	<5.0E-10
4/8/11 0500	4/8/11 1800	0.01	3,600	<5.0E-10
4/8/11 0600	4/8/11 1900	0.01	3,645	<5.0E-10
4/8/11 0700	4/8/11 2000	0.01	3,600	<5.0E-10
4/8/11 0800	4/8/11 2100	0.01	3,690	<5.0E-10
4/8/11 0900	4/8/11 2200	0.01	3,960	<5.0E-10
4/8/11 1000	4/8/11 2300	0.01	3,960	<5.0E-10
4/8/11 1100	4/9/11 0000	0.01	3,960	<5.0E-10
4/8/11 1200	4/9/11 0100	0.01	3,825	<5.0E-10
4/8/11 1300	4/9/11 0200	0.01	3,825	1.1E-09
4/8/11 1400	4/9/11 0300	0.01	3,825	1.0E-09
4/8/11 1500	4/9/11 0400	0.01	3,825	<5.0E-10
4/8/11 1600	4/9/11 0500	0.01	3,825	<5.0E-10
4/8/11 1700	4/9/11 0600	0.01	3,645	<5.0E-10
4/8/11 1800	4/9/11 0700	0.01	1,710	<5.0E-10
4/8/11 1900	4/9/11 0800	0.01	1,800	<5.0E-10
4/8/11 2000	4/9/11 0900	0.01	1,800	<5.0E-10
4/8/11 2100	4/9/11 1000	0.01	2,610	<5.0E-10
4/8/11 2200	4/9/11 1100	0.01	1,778	<5.0E-10
4/8/11 2300	4/9/11 1200	0.01	2,273	<5.0E-10
4/9/11 0000	4/9/11 1300	0.01	3,150	<5.0E-10
4/9/11 0100	4/9/11 1400	0.01	3,285	<5.0E-10
4/9/11 0200	4/9/11 1500	0.01	3,600	<5.0E-10
4/9/11 0300	4/9/11 1600	0.01	3,375	<5.0E-10
4/9/11 0400	4/9/11 1700	0.01	3,600	<5.0E-10
4/9/11 0500	4/9/11 1800	0.01	3,150	<5.0E-10
4/9/11 0600	4/9/11 1900	0.01	2,970	<5.0E-10
4/9/11 0700	4/9/11 2000	0.01	2,475	<5.0E-10

4/9/11 0800	4/9/11 2100	0.01	2,475	5.0E-10
4/9/11 0900	4/9/11 2200	0.01	2,610	<5.0E-10
4/9/11 1000	4/9/11 2300	0.01	2,250	5.0E-10
4/9/11 1100	4/10/11 0000	0.01	2,475	5.0E-10
4/9/11 1200	4/10/11 0100	0.01	2,790	5.0E-10
4/9/11 1300	4/10/11 0200	0.01	3,060	1.0E-09
4/9/11 1400	4/10/11 0300	0.01	3,060	1.0E-09
4/9/11 1500	4/10/11 0400	0.01	3,060	8.5E-10
4/9/11 1600	4/10/11 0500	0.01	3,150	1.3E-09
4/9/11 1700	4/10/11 0600	0.01	3,150	1.4E-09
4/9/11 1800	4/10/11 0700	0.01	3,150	1.7E-09
4/9/11 1900	4/10/11 0800	0.01	3,240	1.2E-09
4/9/11 2000	4/10/11 0900	0.01	3,600	6.0E-10
4/9/11 2100	4/10/11 1000	0.01	4,005	6.0E-10
4/9/11 2200	4/10/11 1100	0.01	3,780	5.5E-10
4/9/11 2300	4/10/11 1200	0.01	3,960	<5.0E-10
4/10/11 0000	4/10/11 1300	0.01	3,960	<5.0E-10
4/10/11 0100	4/10/11 1400	0.01	3,825	<5.0E-10
4/10/11 0200	4/10/11 1500	0.01	4,050	<5.0E-10
4/10/11 0300	4/10/11 1600	0.01	4,050	<5.0E-10
4/10/11 0400	4/10/11 1700	0.01	3,960	<5.0E-10
4/10/11 0500	4/10/11 1800	0.01	4,050	<5.0E-10

**Notes**

(Mit-1) NACCC reports elevated air samples are due to natural short-lived Radon daughters as confirmed by half-life determination.

(Mit-2) 3/29/11 0230 (JST): NACCC reports elevated air samples are due to natural short-lived Radon daughters, as confirmed by half-life determination, as well as a potential plume event.

(Mit-3) NACCC reports elevated air samples are due to a possible plume event.

(Mit-4) Isotopic analysis performed on portable air sample filter and no Isotopes detected.

(Mit-5) NACCC reports samples recounted and did not identify a decay trend consistent with Radon daughters.







3/24/11 1700	3/25/11 0600	0.01	6,300	1.3E-09	(T-2)	
3/24/11 1800	3/25/11 0700	0.01	6,525	1.0E-09	(T-2)	
3/24/11 1900	3/25/11 0800	0.01	6,525	1.0E-09		
3/24/11 2000	3/25/11 0900	0.01	6,750	7.0E-10		4.4E-11
3/24/11 2100	3/25/11 1000	0.01	6,525	<5.0E-10		
3/24/11 2200	3/25/11 1100	0.01	6,525	<5.0E-10		
3/24/11 2300	3/25/11 1200	0.01	6,300	<5.0E-10		
3/25/11 0000	3/25/11 1300	0.01	6,525	<5.0E-10		
3/25/11 0100	3/25/11 1400	0.01	6,300	<5.0E-10		
3/25/11 0200	3/25/11 1500	0.01	6,300	<5.0E-10		
3/25/11 0300	3/25/11 1600	0.01	6,300	<5.0E-10		
3/25/11 0400	3/25/11 1700	0.01	6,075	<5.0E-10		
3/25/11 0500	3/25/11 1800	0.01	5,850	<5.0E-10		
3/25/11 0600	3/25/11 1900	0.01	5,850	<5.0E-10		
3/25/11 0700	3/25/11 2000	0.01	5,850	<5.0E-10		
3/25/11 0800	3/25/11 2100	0.01	5,850	<5.0E-10		
3/25/11 0900	3/25/11 2200	0.01	5,850	<5.0E-10		
3/25/11 1000	3/25/11 2300	0.01	5,850	<5.0E-10		
3/25/11 1100	3/26/11 0000	0.01	5,850	<5.0E-10		
3/25/11 1200	3/26/11 0100	0.01	6,075	<5.0E-10		
3/25/11 1300	3/26/11 0200	0.01	5,850	<5.0E-10		
3/25/11 1400	3/26/11 0300	0.01	5,850	<5.0E-10		
3/25/11 1500	3/26/11 0400	0.01	6,075	<5.0E-10		
3/25/11 1600	3/26/11 0500	0.01	6,075	<5.0E-10		
3/25/11 1700	3/26/11 0600	0.01	6,075	<5.0E-10		
3/25/11 1800	3/26/11 0700	0.01	5,850	5.5E-10		
3/25/11 1900	3/26/11 0800	0.01	6,075	5.0E-10		2.88E-11
3/25/11 2000	3/26/11 0900	0.01	5,850	<5.0E-10		
3/25/11 2100	3/26/11 1000	0.01	6,075	<5.0E-10		
3/25/11 2200	3/26/11 1100	0.01	5,850	<5.0E-10		
3/25/11 2300	3/26/11 1200	0.01	5,850	<5.0E-10		
3/26/11 0000	3/26/11 1300	0.01	5,850	<5.0E-10		
3/26/11 0100	3/26/11 1400	0.01	5,850	<5.0E-10		
3/26/11 0200	3/26/11 1500	0.01	5,850	<5.0E-10		

3/26/11 0300	3/26/11 1600	0.01	5,850	<5.0E-10
3/26/11 0400	3/26/11 1700	0.01	5,850	<5.0E-10
3/26/11 0500	3/26/11 1800	0.01	5,850	<5.0E-10
3/26/11 0600	3/26/11 1900	0.01	5,850	<5.0E-10
3/26/11 0700	3/26/11 2000	0.01	5,850	<5.0E-10
3/26/11 0800	3/26/11 2100	0.01	5,625	<5.0E-10
3/26/11 0900	3/26/11 2200	0.01	5,625	<5.0E-10
3/26/11 1000	3/26/11 2300	0.01	5,625	<5.0E-10
3/26/11 1100	3/27/11 0000	0.01	5,625	<5.0E-10
3/26/11 1200	3/27/11 0100	0.01	5,400	<5.0E-10
3/26/11 1300	3/27/11 0200	0.01	5,580	<5.0E-10
3/26/11 1400	3/27/11 0300	0.01	5,580	<5.0E-10
3/26/11 1500	3/27/11 0400	0.01	5,400	<5.0E-10
3/26/11 1600	3/27/11 0500	0.01	5,580	<5.0E-10
3/26/11 1700	3/27/11 0600	0.01	5,580	<5.0E-10
3/26/11 1800	3/27/11 0700	0.01	5,625	<5.0E-10
3/26/11 1900	3/27/11 0800	0.01	5,625	<5.0E-10
3/26/11 2000	3/27/11 0900	0.01	5,850	<5.0E-10
3/26/11 2100	3/27/11 1000	0.01	5,625	<5.0E-10
3/26/11 2200	3/27/11 1100	0.01	5,625	<5.0E-10
3/26/11 2300	3/27/11 1200	0.01	5,625	<5.0E-10
3/27/11 0000	3/27/11 1300	0.01	5,175	<5.0E-10
3/27/11 0100	3/27/11 1400	0.01	5,400	<5.0E-10
3/27/11 0200	3/27/11 1500	0.01	5,400	<5.0E-10
3/27/11 0300	3/27/11 1600	0.01	4,950	<5.0E-10
3/27/11 0400	3/27/11 1700	0.01	4,950	<5.0E-10
3/27/11 0500	3/27/11 1800	0.01	4,950	<5.0E-10
3/27/11 0600	3/27/11 1900	0.01	5,175	<5.0E-10
3/27/11 0700	3/27/11 2000	0.01	5,175	<5.0E-10
3/27/11 0800	3/27/11 2100	0.01	4,950	<5.0E-10
3/27/11 0900	3/27/11 2200	0.01	4,950	<5.0E-10
3/27/11 1000	3/27/11 2300	0.01	4,950	<5.0E-10
3/27/11 1100	3/28/11 0000	0.01	4,950	<5.0E-10
3/27/11 1200	3/28/11 0100	0.01	5,175	<5.0E-10

3/27/11 1300	3/28/11 0200	0.01	4,950	<5.0E-10	
3/27/11 1400	3/28/11 0300	0.01	4,950	<5.0E-10	
3/27/11 1500	3/28/11 0400	0.01	5,175	<5.0E-10	
3/27/11 1600	3/28/11 0500	0.01	5,175	<5.0E-10	
3/27/11 1700	3/28/11 0600	0.01	5,175	<5.0E-10	
3/27/11 1800	3/28/11 0700	0.01	4,950	<5.0E-10	
3/27/11 1900	3/28/11 0800	0.01	5,175	<5.0E-10	
3/27/11 2000	3/28/11 0900	0.01	4,950	<5.0E-10	
3/27/11 2100	3/28/11 1000	0.01	4,950	<5.0E-10	
3/27/11 2200	3/28/11 1100	0.01	4,950	<5.0E-10	
3/27/11 2300	3/28/11 1200	0.01	4,950	<5.0E-10	
3/28/11 0000	3/28/11 1300	0.01	4,950	<5.0E-10	
3/28/11 0100	3/28/11 1400	0.01	4,950	<5.0E-10	
3/28/11 0200	3/28/11 1500	0.01	4,950	<5.0E-10	
3/28/11 0300	3/28/11 1600	0.01	4,950	<5.0E-10	
3/28/11 0400	3/28/11 1700	0.01	4,950	<5.0E-10	
3/28/11 0500	3/28/11 1800	0.01	5,175	<5.0E-10	
3/28/11 0600	3/28/11 1900	0.01	4,950	<5.0E-10	
3/28/11 0700	3/28/11 2000	0.01	4,950	<5.0E-10	
3/28/11 0800	3/28/11 2100	0.01	4,950	<5.0E-10	
3/28/11 0900	3/28/11 2200	0.01	4,950	<5.0E-10	
3/28/11 1000	3/28/11 2300	0.01	4,950	<5.0E-10	
3/28/11 1100	3/29/11 0000	0.01	4,950	<5.0E-10	
3/28/11 1200	3/29/11 0100	0.01	4,950	<5.0E-10	
3/28/11 1300	3/29/11 0200	0.01	4,950	<5.0E-10	(T-2)
3/28/11 1400	3/29/11 0300	0.01	4,950	5.0E-10	(T-2)
3/28/11 1500	3/29/11 0400	0.01	4,950	6.0E-10	(T-2)
3/28/11 1600	3/29/11 0500	0.01	5,175	5.0E-10	(T-2)
3/28/11 1700	3/29/11 0600	0.01	5,175	5.0E-10	(T-2)
3/28/11 1800	3/29/11 0700	0.01	5,175	6.5E-10	(T-2)
3/28/11 1900	3/29/11 0800	0.01	4,725	7.5E-10	(T-2)
3/28/11 2000	3/29/11 0900	0.01	4,725	5.5E-10	(T-2)
3/28/11 2100	3/29/11 1000	0.01	4,950	<5.0E-10	(T-2)
3/28/11 2200	3/29/11 1100	0.01	4,725	<5.0E-10	(T-2)

3/28/11 2300	3/29/11 1200	0.01	4,725	<5.0E-10	
3/29/11 0000	3/29/11 1300	0.01	4,725	<5.0E-10	
3/29/11 0100	3/29/11 1400	0.01	4,725	<5.0E-10	
3/29/11 0200	3/29/11 1500	0.01	4,950	<5.0E-10	
3/29/11 0300	3/29/11 1600	0.01	4,725	<5.0E-10	
3/29/11 0400	3/29/11 1700	0.01	4,725	<5.0E-10	
3/29/11 0500	3/29/11 1800	0.01	4,950	<5.0E-10	
3/29/11 0600	3/29/11 1900	0.01	4,500	<5.0E-10	
3/29/11 0700	3/29/11 2000	0.01	4,500	<5.0E-10	
3/29/11 0800	3/29/11 2100	0.01	4,725	<5.0E-10	
3/29/11 0900	3/29/11 2200	0.01	4,500	<5.0E-10	
3/29/11 1000	3/29/11 2300	0.01	4,725	<5.0E-10	
3/29/11 1100	3/30/11 0000	0.01	4,725	<5.0E-10	
3/29/11 1200	3/30/11 0100	0.01	4,725	5.0E-10	(T-3)
3/29/11 1300	3/30/11 0200	0.01	4,950	5.0E-10	(T-3)
3/29/11 1400	3/30/11 0300	0.01	4,725	5.0E-10	(T-3)
3/29/11 1500	3/30/11 0400	0.01	5,040	5.5E-10	(T-3)
3/29/11 1600	3/30/11 0500	0.01	4,950	7.0E-10	(T-3)
3/29/11 1700	3/30/11 0600	0.01	4,725	1.0E-09	(T-3)
3/29/11 1800	3/30/11 0700	0.01	4,950	1.0E-09	(T-3)
3/29/11 1900	3/30/11 0800	0.01	4,950	1.2E-09	(T-3)
3/29/11 2000	3/30/11 0900	0.01	4,770	1.1E-09	(T-3)
3/29/11 2100	3/30/11 1000	0.01	4,950	7.5E-10	(T-3)
3/29/11 2200	3/30/11 1100	0.01	4,725	5.0E-10	(T-3)
3/29/11 2300	3/30/11 1200	0.01	4,725	<5.0E-10	
3/30/11 0000	3/30/11 1300	0.01	4,725	<5.0E-10	
3/30/11 0100	3/30/11 1400	0.01	4,725	<5.0E-10	
3/30/11 0200	3/30/11 1500	0.01	4,500	<5.0E-10	
3/30/11 0300	3/30/11 1600	0.01	4,500	<5.0E-10	
3/30/11 0400	3/30/11 1700	0.01	4,725	<5.0E-10	
3/30/11 0500	3/30/11 1800	0.01	4,725	<5.0E-10	
3/30/11 0600	3/30/11 1900	0.01	4,500	<5.0E-10	
3/30/11 0700	3/30/11 2000	0.01	4,500	<5.0E-10	
3/30/11 0800	3/30/11 2100	0.01	4,500	5.0E-10	

3/30/11 0900	3/30/11 2200	0.01	4,275	<5.0E-10
3/30/11 1000	3/30/11 2300	0.01	2,520	<5.0E-10
3/30/11 1100	3/31/11 0000	0.01	2,430	<5.0E-10
3/30/11 1200	3/31/11 0100	0.01	2,340	<5.0E-10
3/30/11 1300	3/31/11 0200	0.01	2,610	<5.0E-10
3/30/11 1400	3/31/11 0300	0.01	2,520	<5.0E-10
3/30/11 1500	3/31/11 0400	0.01	2,610	<5.0E-10
3/30/11 1600	3/31/11 0500	0.01	2,475	5.0E-10
3/30/11 1700	3/31/11 0600	0.01	2,700	5.0E-10
3/30/11 1800	3/31/11 0700	0.01	2,790	<5.0E-10
3/30/11 1830	3/31/11 0730	0.01	2,700	<5.0E-10
3/30/11 1845	3/31/11 0745	0.01	2,700	<5.0E-10
3/30/11 1900	3/31/11 0800	0.01	2,745	<5.0E-10
3/30/11 1915	3/31/11 0815	0.01	2,745	5.0E-10
3/30/11 1930	3/31/11 0830	0.01	3,150	5.0E-10
3/30/11 1945	3/31/11 0845	0.01	3,195	<5.0E-10
3/30/11 2000	3/31/11 0900	0.01	3,240	<5.0E-10
3/30/11 2015	3/31/11 0915	0.01	3,375	<5.0E-10
3/30/11 2030	3/31/11 0930	0.01	3,420	<5.0E-10
3/30/11 2045	3/31/11 0945	0.01	3,375	<5.0E-10
3/30/11 2100	3/31/11 1000	0.01	3,510	<5.0E-10
3/30/11 2130	3/31/11 1030	0.01	3,600	<5.0E-10
3/30/11 2200	3/31/11 1100	0.01	3,735	<5.0E-10
3/30/11 2230	3/31/11 1130	0.01	4,050	<5.0E-10
3/30/11 2300	3/31/11 1200	0.01	4,050	<5.0E-10
3/31/11 0000	3/31/11 1300	0.01	4,095	<5.0E-10
3/31/11 0100	3/31/11 1400	0.01	4,005	<5.0E-10
3/31/11 0200	3/31/11 1500	0.01	4,050	<5.0E-10
3/31/11 0300	3/31/11 1600	0.01	3,870	5.0E-10
3/31/11 0400	3/31/11 1700	0.01	3,780	5.0E-10
3/31/11 0500	3/31/11 1800	0.01	3,960	<5.0E-10
3/31/11 0600	3/31/11 1900	0.01	3,780	<5.0E-10
3/31/11 0700	3/31/11 2000	0.01	3,870	5.0E-10
3/31/11 0800	3/31/11 2100	0.01	3,915	<5.0E-10

3/31/11 0900	3/31/11 2200	0.01	3,870	<5.0E-10	
3/31/11 1000	3/31/11 2300	0.01	3,780	5.0E-10	
3/31/11 1100	4/1/11 0000	0.01	3,870	<5.0E-10	
3/31/11 1200	4/1/11 0100	0.01	3,870	<5.0E-10	
3/31/11 1300	4/1/11 0200	0.01	4,050	<5.0E-10	
3/31/11 1400	4/1/11 0300	0.01	3,960	<5.0E-10	
3/31/11 1500	4/1/11 0400	0.01	4,050	<5.0E-10	
3/31/11 1600	4/1/11 0500	0.01	4,005	5.0E-10	(T-4)
3/31/11 1700	4/1/11 0600	0.01	4,050	7.0E-10	(T-4)
3/31/11 1800	4/1/11 0700	0.01	3,960	8.5E-10	(T-4, T-6)
3/31/11 1900	4/1/11 0800	0.01	4,005	7.0E-10	(T-4)
3/31/11 2000	4/1/11 0900	0.01	3,960	6.0E-10	(T-4)
3/31/11 2100	4/1/11 1000	0.01	3,870	<5.0E-10	
3/31/11 2200	4/1/11 1100	0.01	3,825	<5.0E-10	
3/31/11 2300	4/1/11 1200	0.01	4,050	<5.0E-10	
4/1/11 0000	4/1/11 1300	0.01	3,960	<5.0E-10	
4/1/11 0100	4/1/11 1400	0.01	4,005	<5.0E-10	
4/1/11 0200	4/1/11 1500	0.01	4,050	<5.0E-10	
4/1/11 0300	4/1/11 1600	0.01	3,780	<5.0E-10	
4/1/11 0400	4/1/11 1700	0.01	3,870	<5.0E-10	
4/1/11 0500	4/1/11 1800	0.01	3,870	<5.0E-10	
4/1/11 0600	4/1/11 1900	0.01	3,960	<5.0E-10	
4/1/11 0700	4/1/11 2000	0.01	3,780	<5.0E-10	
4/1/11 0800	4/1/11 2100	0.01	3,780	<5.0E-10	
4/1/11 0900	4/1/11 2200	0.01	3,870	5.5E-10	
4/1/11 1000	4/1/11 2300	0.01	3,780	5.0E-10	
4/1/11 1100	4/2/11 0000	0.01	3,780	<5.0E-10	
4/1/11 1200	4/2/11 0100	0.01	3,780	<5.0E-10	
4/1/11 1300	4/2/11 0200	0.01	3,915	6.0E-10	(T-5)
4/1/11 1400	4/2/11 0300	0.01	3,780	6.0E-10	(T-5)
4/1/11 1500	4/2/11 0400	0.01	3,825	7.5E-10	(T-5)
4/1/11 1600	4/2/11 0500	0.01	3,960	9.0E-10	(T-5)
4/1/11 1700	4/2/11 0600	0.01	4,050	1.0E-09	(T-5)
4/1/11 1800	4/2/11 0700	0.01	4,050	1.2E-09	(T-5)

4/1/11 1900	4/2/11 0800	0.01	4,005	1.3E-09	(T-5)
4/1/11 2000	4/2/11 0900	0.01	4,050	7.5E-10	(T-5)
4/1/11 2100	4/2/11 1000	0.01	3,950	7.5E-10	(T-5)
4/1/11 2200	4/2/11 1100	0.01	4,050	8.0E-10	
4/1/11 2300	4/2/11 1200	0.01	3,915	7.0E-10	
4/2/11 0000	4/2/11 1300	0.01	4,005	7.0E-10	
4/2/11 0100	4/2/11 1400	0.01	4,050	<5.0E-10	
4/2/11 0200	4/2/11 1500	0.01	3,960	<5.0E-10	
4/2/11 0300	4/2/11 1600	0.01	3,870	<5.0E-10	
4/2/11 0400	4/2/11 1700	0.01	3,825	<5.0E-10	
4/2/11 0500	4/2/11 1800	0.01	3,870	<5.0E-10	
4/2/11 0600	4/2/11 1900	0.01	3,960	<5.0E-10	
4/2/11 0700	4/2/11 2000	0.01	4,005	<5.0E-10	
4/2/11 0800	4/2/11 2100	0.01	3,915	<5.0E-10	
4/2/11 0900	4/2/11 2200	0.01	3,150	<5.0E-10	
4/2/11 1000	4/2/11 2300	0.01	3,015	<5.0E-10	
4/2/11 1100	4/3/11 0000	0.01	3,240	<5.0E-10	
4/2/11 1200	4/3/11 0100	0.01	3,150	5.0E-10	
4/2/11 1300	4/3/11 0200	0.01	3,060	6.5E-10	
4/2/11 1400	4/3/11 0300	0.01	2,340	6.5E-10	
4/2/11 1500	4/3/11 0400	0.01	2,700	6.0E-10	
4/2/11 1600	4/3/11 0500	0.01	2,520	5.0E-10	
4/2/11 1700	4/3/11 0600	0.01	2,790	<5.0E-10	
4/2/11 1800	4/3/11 0700	0.01	3,060	<5.0E-10	
4/2/11 1900	4/3/11 0800	0.01	3,150	<5.0E-10	
4/2/11 2000	4/3/11 0900	0.01	3,060	<5.0E-10	
4/2/11 2100	4/3/11 1000	0.01	2,925	<5.0E-10	
4/2/11 2200	4/3/11 1100	0.01	3,150	<5.0E-10	
4/2/11 2300	4/3/11 1200	0.01	3,285	<5.0E-10	
4/3/11 0000	4/3/11 1300	0.01	3,240	<5.0E-10	
4/3/11 0100	4/3/11 1400	0.01	3,375	<5.0E-10	
4/3/11 0200	4/3/11 1500	0.01	3,150	<5.0E-10	
4/3/11 0300	4/3/11 1600	0.01	3,285	<5.0E-10	
4/3/11 0400	4/3/11 1700	0.01	3,240	<5.0E-10	

4/3/11 0500	4/3/11 1800	0.01	3,330	<5.0E-10	
4/3/11 0600	4/3/11 1900	0.01	3,420	<5.0E-10	
4/3/11 0700	4/3/11 2000	0.01	3,285	<5.0E-10	
4/3/11 0800	4/3/11 2100	0.01	3,150	<5.0E-10	
4/3/11 0900	4/3/11 2200	0.01	3,240	<5.0E-10	
4/3/11 1000	4/3/11 2300	0.01	3,285	<5.0E-10	
4/3/11 1100	4/4/11 0000	0.01	3,330	<5.0E-10	
4/3/11 1200	4/4/11 0100	0.01	3,150	<5.0E-10	
4/3/11 1300	4/4/11 0200	0.01	3,285	<5.0E-10	
4/3/11 1400	4/4/11 0300	0.01	3,240	6.0E-10	
4/3/11 1500	4/4/11 0400	0.01	3,150	1.0E-09	
4/3/11 1600	4/4/11 0500	0.01	3,330	8.0E-10	
4/3/11 1700	4/4/11 0600	0.01	3,150	8.0E-10	
4/3/11 1800	4/4/11 0700	0.01	3,240	7.0E-10	
4/3/11 1900	4/4/11 0800	0.01	3,060	5.0E-10	
4/3/11 2000	4/4/11 0900	0.01	3,150	5.0E-10	
4/3/11 2100	4/4/11 1000	0.01	3,375	<5.0E-10	
4/3/11 2200	4/4/11 1100	0.01	3,240	<5.0E-10	
4/3/11 2300	4/4/11 1200	0.01	3,060	<5.0E-10	
4/4/11 0000	4/4/11 1300	0.01	2,925	<5.0E-10	
4/4/11 0100	4/4/11 1400	0.01	3,060	<5.0E-10	
4/4/11 0200	4/4/11 1500	0.01	3,060	<5.0E-10	
4/4/11 0300	4/4/11 1600	0.01	2,970	<5.0E-10	
4/4/11 0400	4/4/11 1700	0.01	3,060	<5.0E-10	
4/4/11 0500	4/4/11 1800	0.01	3,150	<5.0E-10	
4/4/11 0600	4/4/11 1900	0.01	3,060	<5.0E-10	
4/4/11 0700	4/4/11 2000	0.01	3,150	<5.0E-10	
4/4/11 0800	4/4/11 2100	0.01	2,970	<5.0E-10	
4/4/11 0900	4/4/11 2200	0.01	2,880	<5.0E-10	
4/4/11 1000	4/4/11 2300	0.01	3,060	<5.0E-10	
4/4/11 1100	4/5/11 0000	0.01	3,150	<5.0E-10	
4/4/11 1200	4/5/11 0100	0.01	3,420	<5.0E-10	
4/4/11 1300	4/5/11 0200	0.01	2,925	6.5E-10	(T-7)
4/4/11 1400	4/5/11 0300	0.01	2,970	5.0E-10	



4/4/11 1500	4/5/11 0400	0.01	3,150	5.0E-10
4/4/11 1600	4/5/11 0500	0.01	3,240	<5.0E-10
4/4/11 1700	4/5/11 0600	0.01	3,150	5.0E-10
4/4/11 1800	4/5/11 0700	0.01	3,060	5.0E-10
4/4/11 1830	4/5/11 0730	0.01	2,925	<5.0E-10
4/4/11 1900	4/5/11 0800	0.01	2,970	<5.0E-10
4/4/11 1930	4/5/11 0830	0.01	2,925	<5.0E-10
4/4/11 2100	4/5/11 1000	0.01	2,925	<5.0E-10
4/4/11 2200	4/5/11 1100	0.01	2,880	<5.0E-10
4/4/11 2300	4/5/11 1200	0.01	2,880	<5.0E-10
4/5/11 0000	4/5/11 1300	0.01	2,925	<5.0E-10
4/5/11 0100	4/5/11 1400	0.01	3,015	<5.0E-10
4/5/11 0200	4/5/11 1500	0.01	2,925	<5.0E-10
4/5/11 0300	4/5/11 1600	0.01	2,880	<5.0E-10
4/5/11 0400	4/5/11 1700	0.01	2,925	<5.0E-10
4/5/11 0500	4/5/11 1800	0.01	2,925	<5.0E-10
4/5/11 0600	4/5/11 1900	0.01	2,880	<5.0E-10
4/5/11 0700	4/5/11 2000	0.01	3,015	<5.0E-10
4/5/11 0800	4/5/11 2100	0.01	3,060	<5.0E-10
4/5/11 0900	4/5/11 2200	0.01	3,105	<5.0E-10
4/5/11 1000	4/5/11 2300	0.01	3,150	<5.0E-10
4/5/11 1100	4/6/11 0000	0.01	3,015	<5.0E-10
4/5/11 1200	4/6/11 0100	0.01	3,150	<5.0E-10
4/5/11 1300	4/6/11 0200	0.01	2,880	<5.0E-10
4/5/11 1400	4/6/11 0300	0.01	2,925	<5.0E-10
4/5/11 1500	4/6/11 0400	0.01	3,015	<5.0E-10
4/5/11 1600	4/6/11 0500	0.01	3,150	9.5E-10
4/5/11 1700	4/6/11 0600	0.01	3,060	1.2E-09
4/5/11 1800	4/6/11 0700	0.01	3,150	1.4E-09
4/5/11 1900	4/6/11 0800	0.01	2,925	1.2E-09
4/5/11 2000	4/6/11 0900	0.01	2,970	8.0E-10
4/5/11 2100	4/6/11 1000	0.01	2,925	6.0E-10
4/5/11 2200	4/6/11 1100	0.01	2,835	<5.0E-10
4/5/11 2300	4/6/11 1200	0.01	2,790	<5.0E-10

4/6/11 0000	4/6/11 1300	0.01	2,835	<5.0E-10
4/6/11 0100	4/6/11 1400	0.01	2,925	<5.0E-10
4/6/11 0200	4/6/11 1500	0.01	2,970	<5.0E-10
4/6/11 0300	4/6/11 1600	0.01	2,925	<5.0E-10
4/6/11 0400	4/6/11 1700	0.01	2,925	<5.0E-10
4/6/11 0500	4/6/11 1800	0.01	2,970	<5.0E-10
4/6/11 0600	4/6/11 1900	0.01	2,880	<5.0E-10
4/6/11 0700	4/6/11 2000	0.01	3,060	<5.0E-10
4/6/11 0800	4/6/11 2100	0.01	2,790	<5.0E-10
4/6/11 0900	4/6/11 2200	0.01	2,880	<5.0E-10
4/6/11 1000	4/6/11 2300	0.01	3,015	<5.0E-10
4/6/11 1100	4/7/11 0000	0.01	2,925	<5.0E-10
4/6/11 1200	4/7/11 0100	0.01	3,060	<5.0E-10
4/6/11 1300	4/7/11 0200	0.01	3,015	5.0E-10
4/6/11 1400	4/7/11 0300	0.01	3,150	5.0E-10
4/6/11 1500	4/7/11 0400	0.01	2,925	5.5E-10
4/6/11 1600	4/7/11 0500	0.01	2,970	<5.0E-10
4/6/11 1700	4/7/11 0600	0.01	2,925	6.0E-10
4/6/11 1800	4/7/11 0700	0.01	3,015	8.0E-10
4/6/11 1900	4/7/11 0800	0.01	2,880	8.0E-10
4/6/11 2000	4/7/11 0900	0.01	2,925	7.5E-10
4/6/11 2100	4/7/11 1000	0.01	2,835	<5.0E-10
4/6/11 2200	4/7/11 1100	0.01	2,970	<5.0E-10
4/6/11 2300	4/7/11 1200	0.01	2,925	<5.0E-10
4/7/11 0000	4/7/11 1300	0.01	2,880	<5.0E-10
4/7/11 0100	4/7/11 1400	0.01	2,790	<5.0E-10
4/7/11 0200	4/7/11 1500	0.01	2,835	<5.0E-10
4/7/11 0300	4/7/11 1600	0.01	2,925	<5.0E-10
4/7/11 0400	4/7/11 1700	0.01	2,880	<5.0E-10
4/7/11 0500	4/7/11 1800	0.01	2,835	<5.0E-10
4/7/11 0600	4/7/11 1900	0.01	2,880	<5.0E-10
4/7/11 0700	4/7/11 2000	0.01	2,835	<5.0E-10
4/7/11 0800	4/7/11 2100	0.01	2,925	<5.0E-10
4/7/11 0900	4/7/11 2200	0.01	2,970	<5.0E-10

4/7/11 1000	4/7/11 2300	0.01	3,150	<5.0E-10	
4/7/11 1100	4/8/11 0000	0.01	3,060	<5.0E-10	
4/7/11 1200	4/8/11 0100	0.01	3,015	<5.0E-10	
4/7/11 1300	4/8/11 0200	0.01	2,925	<5.0E-10	
4/7/11 1400	4/8/11 0300	0.01	2,970	<5.0E-10	
4/7/11 1500	4/8/11 0400	0.01	2,925	<5.0E-10	
4/7/11 1600	4/8/11 0500	0.01	3,015	<5.0E-10	
4/7/11 1700	4/8/11 0600	0.01	2,925	<5.0E-10	
4/7/11 1800	4/8/11 0700	0.01	3,060	<5.0E-10	
4/7/11 1900	4/8/11 0800	0.01	2,970	<5.0E-10	
4/7/11 2000	4/8/11 0900	0.01	2,925	<5.0E-10	
4/7/11 2100	4/8/11 1000	0.01	3,015	<5.0E-10	
4/7/11 2200	4/8/11 1100	0.01	2,880	<5.0E-10	
4/7/11 2300	4/8/11 1200	0.01	2,835	<5.0E-10	
4/8/11 0000	4/8/11 1300	0.01	2,835	<5.0E-10	
4/8/11 0100	4/8/11 1400	0.01	2,880	<5.0E-10	
4/8/11 0200	4/8/11 1500	0.01	2,835	<5.0E-10	
4/8/11 0300	4/8/11 1600	0.01	2,700	<5.0E-10	
4/8/11 0400	4/8/11 1700	0.01	2,745	<5.0E-10	
4/8/11 0500	4/8/11 1800	0.01	2,790	<5.0E-10	
4/8/11 0600	4/8/11 1900	0.01	2,745	<5.0E-10	
4/8/11 0700	4/8/11 2000	0.01	2,835	<5.0E-10	
4/8/11 0800	4/8/11 2100	0.01	2,925	<5.0E-10	
4/8/11 0900	4/8/11 2200	0.01	2,880	<5.0E-10	
4/8/11 1000	4/8/11 2300	0.01	2,880	<5.0E-10	
4/8/11 1100	4/9/11 0000	0.01	2,745	<5.0E-10	
4/8/11 1200	4/9/11 0100	0.01	2,700	<5.0E-10	
4/8/11 1300	4/9/11 0200	0.01	2,835	<5.0E-10	
4/8/11 1400	4/9/11 0300	0.01	2,880	<5.0E-10	
4/8/11 1500	4/9/11 0400	0.01	3,015	<5.0E-10	
4/8/11 1600	4/9/11 0500	0.01	2,700	<5.0E-10	
4/8/11 1700	4/9/11 0600	0.01	1,800	1.3E-09	(T-8)
4/8/11 1800	4/9/11 0700	0.01	1,710	<5.0E-10	
4/8/11 1900	4/9/11 0800	0.01	1,620	<5.0E-10	

4/8/11 2000	4/9/11 0900	0.01	1,575	<5.0E-10
4/8/11 2100	4/9/11 1000	0.01	1,620	<5.0E-10
4/8/11 2200	4/9/11 1100	0.01	2,160	<5.0E-10
4/8/11 2300	4/9/11 1200	0.01	2,340	<5.0E-10
4/9/11 0000	4/9/11 1300	0.01	2,835	<5.0E-10
4/9/11 0100	4/9/11 1400	0.01	2,925	<5.0E-10
4/9/11 0200	4/9/11 1500	0.01	3,060	<5.0E-10
4/9/11 0300	4/9/11 1600	0.01	3,015	<5.0E-10
4/9/11 0400	4/9/11 1700	0.01	3,060	<5.0E-10
4/9/11 0500	4/9/11 1800	0.01	2,925	<5.0E-10
4/9/11 0600	4/9/11 1900	0.01	3,060	5.0E-10
4/9/11 0700	4/9/11 2000	0.01	2,520	<5.0E-10
4/9/11 0800	4/9/11 2100	0.01	1,440	<5.0E-10
4/9/11 0900	4/9/11 2200	0.01	1,530	<5.0E-10
4/9/11 1000	4/9/11 2300	0.01	1,395	<5.0E-10
4/9/11 1100	4/10/11 0000	0.01	1,440	<5.0E-10
4/9/11 1200	4/10/11 0100	0.01	2,925	<5.0E-10
4/9/11 1300	4/10/11 0200	0.01	3,060	5.0E-10
4/9/11 1400	4/10/11 0300	0.01	3,060	<5.0E-10
4/9/11 1500	4/10/11 0400	0.01	3,011	<5.0E-10
4/9/11 1600	4/10/11 0500	0.01	2,970	5.5E-10
4/9/11 1700	4/10/11 0600	0.01	3,060	<5.0E-10
4/9/11 1800	4/10/11 0700	0.01	2,925	<5.0E-10
4/9/11 1900	4/10/11 0800	0.01	3,015	5.0E-10
4/9/11 2000	4/10/11 0900	0.01	3,105	<5.0E-10
4/9/11 2100	4/10/11 1000	0.01	2,925	5.0E-10
4/9/11 2200	4/10/11 1100	0.01	2,880	5.0E-10
4/9/11 2300	4/10/11 1200	0.01	2,925	<5.0E-10
4/10/11 0000	4/10/11 1300	0.01	2,835	<5.0E-10
4/10/11 0100	4/10/11 1400	0.01	2,790	<5.0E-10
4/10/11 0200	4/10/11 1500	0.01	2,835	<5.0E-10
4/10/11 0300	4/10/11 1600	0.01	2,880	<5.0E-10
4/10/11 0400	4/10/11 1700	0.01	2,925	<5.0E-10
4/10/11 0500	4/10/11 1800	0.01	2,835	<5.0E-10

**Notes**

(T-1) The 1300 air sample was analyzed via full isotopic analysis, and contained I-131.

(T-2) NACCC reports elevated air samples are due to natural short-lived Radon daughters as confirmed by half-life determination.

(T-3) 3/30/11 0100 (JST): NACCC reports elevated air samples are due to natural short-lived Radon daughters, as confirmed by half-life determination, as well as a potential plume event.

(T-4) NACCC reports elevated air samples are due to a possible plume event.

(T-5) 4/2/11 0751 (JST): NACCC reports elevated air samples are due to short-lived activity.

(T-6) Isotopic analysis performed on portable air sample filter and no Isotopes detected.

(T-7) 4/5/11 0200 (JST): NACCC Reports Elevated Air Samples Due to Short-Lived Activity.

(T-8) 4/8/11 0600 (JST): NACCC Reports Elevated Air Sample (250ccpm); Sample will be recounted in 30 mins to determine if activity due to Radon Daughters, Currently Lightly Raining.



3/24/11 1730	3/25/11 0630	0.01	1,350	1.1E-09	(O-1)	
3/24/11 1800	3/25/11 0700	0.01	1,350	9.5E-10	(O-1)	1.2E-11
3/24/11 1830	3/25/11 0730	0.01	1,350	9.5E-10	(O-1)	
3/24/11 1900	3/25/11 0800	0.01	1,350	8.5E-10	(O-1)	
3/24/11 1930	3/25/11 0830	0.01	1,350	8.5E-10	(O-1)	1.2E-11
3/24/11 2000	3/25/11 0900	0.01	1,350	<5.0E-10		
3/24/11 2030	3/25/11 0930	0.01	1,350	<5.0E-10		
3/24/11 2100	3/25/11 1000	0.01	1,350	<5.0E-10		
3/24/11 2130	3/25/11 1030	0.01	1,350	<5.0E-10		
3/24/11 2200	3/25/11 1100	0.01	1,350	<5.0E-10		
3/24/11 2300	3/25/11 1200	0.01	1,350	<5.0E-10		
3/25/11 0000	3/25/11 1300	0.01	1,350	<5.0E-10		
3/25/11 0100	3/25/11 1400	0.01	1,350	<5.0E-10		
3/25/11 0200	3/25/11 1500	0.01	1,350	<5.0E-10		
3/25/11 0300	3/25/11 1600	0.01	1,350	<5.0E-10		
3/25/11 0400	3/25/11 1700	0.01	1,350	<5.0E-10		
3/25/11 0500	3/25/11 1800	0.01	1,350	<5.0E-10		
3/25/11 0600	3/25/11 1900	0.01	1,350	<5.0E-10		
3/25/11 0700	3/25/11 2000	0.01	1,350	<5.0E-10		
3/25/11 0800	3/25/11 2100	0.01	1,350	<5.0E-10		
3/25/11 0900	3/25/11 2200	0.01	1,350	<5.0E-10		
3/25/11 1000	3/25/11 2300	0.01	1,350	<5.0E-10		
3/25/11 1100	3/26/11 0000	0.01	1,350	<5.0E-10		
3/25/11 1200	3/26/11 0100	0.01	1,350	<5.0E-10		
3/25/11 1300	3/26/11 0200	0.01	1,350	<5.0E-10		
3/25/11 1400	3/26/11 0300	0.01	1,350	<5.0E-10		
3/25/11 1500	3/26/11 0400	0.01	1,350	<5.0E-10		
3/25/11 1600	3/26/11 0500	0.01	1,305	<5.0E-10		
3/25/11 1700	3/26/11 0600	0.01	1,305	<5.0E-10		
3/25/11 1800	3/26/11 0700	0.01	1,305	<5.0E-10		
3/25/11 1900	3/26/11 0800	0.01	1,350	<5.0E-10		
3/25/11 2000	3/26/11 0900	0.01	1,305	<5.0E-10		
3/25/11 2100	3/26/11 1000	0.01	1,305	<5.0E-10		
3/25/11 2200	3/26/11 1100	0.01	1,305	<5.0E-10		
3/25/11 2300	3/26/11 1200	0.01	1,305	<5.0E-10		

3/26/11 0000	3/26/11 1300	0.01	1,305	<5.0E-10
3/26/11 0100	3/26/11 1400	0.01	1,305	<5.0E-10
3/26/11 0200	3/26/11 1500	0.01	1,305	<5.0E-10
3/26/11 0300	3/26/11 1600	0.01	1,305	<5.0E-10
3/26/11 0400	3/26/11 1700	0.01	1,305	<5.0E-10
3/26/11 0500	3/26/11 1800	0.01	1,305	<5.0E-10
3/26/11 0600	3/26/11 1900	0.01	1,305	<5.0E-10
3/26/11 0700	3/26/11 2000	0.01	1,305	<5.0E-10
3/26/11 0800	3/26/11 2100	0.01	1,305	<5.0E-10
3/26/11 0900	3/26/11 2200	0.01	1,305	<5.0E-10
3/26/11 1000	3/26/11 2300	0.01	1,305	<5.0E-10
3/26/11 1100	3/27/11 0000	0.01	1,305	<5.0E-10
3/26/11 1200	3/27/11 0100	0.01	1,305	<5.0E-10
3/26/11 1300	3/27/11 0200	0.01	1,305	<5.0E-10
3/26/11 1400	3/27/11 0300	0.01	1,305	<5.0E-10
3/26/11 1500	3/27/11 0400	0.01	1,305	<5.0E-10
3/26/11 1600	3/27/11 0500	0.01	1,305	<5.0E-10
3/26/11 1700	3/27/11 0600	0.01	1,305	<5.0E-10
3/26/11 1800	3/27/11 0700	0.01	1,305	<5.0E-10
3/26/11 1900	3/27/11 0800	0.01	1,305	<5.0E-10
3/26/11 2000	3/27/11 0900	0.01	1,305	<5.0E-10
3/26/11 2100	3/27/11 1000	0.01	1,305	<5.0E-10
3/26/11 2200	3/27/11 1100	0.01	1,305	<5.0E-10
3/26/11 2300	3/27/11 1200	0.01	1,305	<5.0E-10
3/27/11 0000	3/27/11 1300	0.10	1,305	<5.0E-10
3/27/11 0100	3/27/11 1400	0.01	1,305	<5.0E-10
3/27/11 0200	3/27/11 1500	0.01	1,305	<5.0E-10
3/27/11 0300	3/27/11 1600	0.01	1,305	<5.0E-10
3/27/11 0400	3/27/11 1700	0.01	1,305	<5.0E-10
3/27/11 0500	3/27/11 1800	0.01	1,305	<5.0E-10
3/27/11 0600	3/27/11 1900	0.01	1,305	<5.0E-10
3/27/11 0700	3/27/11 2000	0.01	1,260	<5.0E-10
3/27/11 0800	3/27/11 2100	0.01	1,260	<5.0E-10
3/27/11 0900	3/27/11 2200	0.01	1,260	<5.0E-10



3/27/11 1000	3/27/11 2300	0.01	1,260	<5.0E-10	
3/27/11 1100	3/28/11 0000	0.01	1,260	<5.0E-10	
3/27/11 1200	3/28/11 0100	0.01	1,260	<5.0E-10	
3/27/11 1300	3/28/11 0200	0.01	1,305	<5.0E-10	
3/27/11 1400	3/28/11 0300	0.01	1,305	<5.0E-10	
3/27/11 1500	3/28/11 0400	0.01	1,305	<5.0E-10	
3/27/11 1600	3/28/11 0500	0.01	1,305	<5.0E-10	
3/27/11 1700	3/28/11 0600	0.01	1,260	<5.0E-10	
3/27/11 1800	3/28/11 0700	0.01	1,260	<5.0E-10	
3/27/11 1900	3/28/11 0800	0.01	1,305	<5.0E-10	
3/27/11 2000	3/28/11 0900	0.01	1,260	<5.0E-10	
3/27/11 2100	3/28/11 1000	0.01	1,260	<5.0E-10	
3/27/11 2200	3/28/11 1100	0.01	1,260	<5.0E-10	
3/27/11 2300	3/28/11 1200	0.01	1,260	<5.0E-10	
3/28/11 0000	3/28/11 1300	0.01	1,260	<5.0E-10	
3/28/11 0100	3/28/11 1400	0.01	1,260	<5.0E-10	
3/28/11 0200	3/28/11 1500	0.01	1,260	<5.0E-10	
3/28/11 0300	3/28/11 1600	0.01	1,260	<5.0E-10	
3/28/11 0400	3/28/11 1700	0.01	1,260	<5.0E-10	
3/28/11 0500	3/28/11 1800	0.01	1,260	<5.0E-10	
3/28/11 0600	3/28/11 1900	0.01	1,260	<5.0E-10	
3/28/11 0700	3/28/11 2000	0.01	1,260	<5.0E-10	
3/28/11 0800	3/28/11 2100	0.01	1,260	<5.0E-10	
3/28/11 0900	3/28/11 2200	0.01	1,260	<5.0E-10	
3/28/11 1000	3/28/11 2300	0.01	1,260	<5.0E-10	
3/28/11 1100	3/29/11 0000	0.01	1,260	<5.0E-10	
3/28/11 1200	3/29/11 0100	0.01	1,260	<5.0E-10	
3/28/11 1300	3/29/11 0200	0.01	1,260	<5.0E-10	(O-1)
3/28/11 1400	3/29/11 0300	0.01	1,260	<5.0E-10	(O-1)
3/28/11 1500	3/29/11 0400	0.01	1,260	<5.0E-10	(O-1)
3/28/11 1600	3/29/11 0500	0.01	1,260	<5.0E-10	(O-1)
3/28/11 1700	3/29/11 0600	0.01	1,260	7.5E-10	(O-1)
3/28/11 1800	3/29/11 0700	0.01	1,260	8.5E-10	(O-1)
3/28/11 1900	3/29/11 0800	0.01	1,260	8.0E-10	(O-1)

3/28/11 2000	3/29/11 0900	0.01	1,260	8.0E-10	(O-1)
3/28/11 2100	3/29/11 1000	0.01	1,260	6.0E-10	(O-1)
3/28/11 2200	3/29/11 1100	0.01	1,260	5.0E-10	(O-1)
3/28/11 2300	3/29/11 1200	0.01	1,260	<5.0E-10	
3/29/11 0000	3/29/11 1300	0.01	1,260	<5.0E-10	
3/29/11 0100	3/29/11 1400	0.01	1,260	<5.0E-10	
3/29/11 0200	3/29/11 1500	0.01	1,260	<5.0E-10	
3/29/11 0300	3/29/11 1600	<0.01	1,260	<5.0E-10	
3/29/11 0400	3/29/11 1700	0.01	1,260	<5.0E-10	
3/29/11 0500	3/29/11 1800	0.01	1,260	<5.0E-10	
3/29/11 0600	3/29/11 1900	0.01	1,260	<5.0E-10	
3/29/11 0700	3/29/11 2000	0.01	1,260	<5.0E-10	
3/29/11 0800	3/29/11 2100	0.01	1,260	<5.0E-10	
3/29/11 0900	3/29/11 2200	0.01	1,260	<5.0E-10	
3/29/11 1000	3/29/11 2300	0.01	1,260	<5.0E-10	
3/29/11 1100	3/30/11 0000	0.01	1,260	5.0E-10	(O-2)
3/29/11 1200	3/30/11 0100	0.01	1,260	5.0E-10	(O-2)
3/29/11 1300	3/30/11 0200	0.01	1,260	5.0E-10	(O-2)
3/29/11 1400	3/30/11 0300	0.01	1,260	5.0E-10	(O-2)
3/29/11 1500	3/30/11 0400	0.01	1,260	5.5E-10	(O-2)
3/29/11 1600	3/30/11 0500	0.01	1,260	6.5E-10	(O-2)
3/29/11 1700	3/30/11 0600	0.01	1,305	9.0E-10	(O-2)
3/29/11 1800	3/30/11 0700	0.01	1,305	9.5E-10	(O-2)
3/29/11 1900	3/30/11 0800	0.01	1,305	8.0E-10	(O-2)
3/29/11 2000	3/30/11 0900	0.01	1,305	8.5E-10	(O-2)
3/29/11 2100	3/30/11 1000	0.01	1,305	8.5E-10	(O-2)
3/29/11 2200	3/30/11 1100	0.01	1,305	8.0E-10	(O-2)
3/29/11 2300	3/30/11 1200	0.01	1,305	9.0E-10	(O-2)
3/30/11 0000	3/30/11 1300	0.01	1,305	5.5E-10	(O-2)
3/30/11 0100	3/30/11 1400	0.01	1,305	5.5E-10	(O-2)
3/30/11 0200	3/30/11 1500	0.01	1,305	<5.0E-10	
3/30/11 0300	3/30/11 1600	0.01	1,305	<5.0E-10	
3/30/11 0400	3/30/11 1700	0.01	1,305	<5.0E-10	
3/30/11 0500	3/30/11 1800	0.01	1,305	<5.0E-10	

3/30/11 0600	3/30/11 1900	0.01	1,305	<5.0E-10
3/30/11 0700	3/30/11 2000	0.01	1,305	<5.0E-10
3/30/11 0800	3/30/11 2100	0.01	1,305	<5.0E-10
3/30/11 0900	3/30/11 2200	0.01	1,305	<5.0E-10
3/30/11 1000	3/30/11 2300	0.01	675	<5.0E-10
3/30/11 1100	3/31/11 0000	0.01	675	<5.0E-10
3/30/11 1200	3/31/11 0100	0.01	675	<5.0E-10
3/30/11 1300	3/31/11 0200	0.01	765	<5.0E-10
3/30/11 1400	3/31/11 0300	0.01	675	<5.0E-10
3/30/11 1500	3/31/11 0400	0.01	675	5.0E-10
3/30/11 1600	3/31/11 0500	0.01	675	5.5E-10
3/30/11 1700	3/31/11 0600	0.01	765	7.0E-10
3/30/11 1800	3/31/11 0700	0.01	765	9.0E-10
3/30/11 1830	3/31/11 0730	0.01	765	8.5E-10
3/30/11 1845	3/31/11 0745	0.01	765	9.0E-10
3/30/11 1900	3/31/11 0800	0.01	765	8.5E-10
3/30/11 1915	3/31/11 0815	0.01	765	5.5E-10
3/30/11 1930	3/31/11 0830	0.01	765	5.0E-10
3/30/11 1945	3/31/11 0845	0.01	765	5.5E-10
3/30/11 2000	3/31/11 0900	0.01	765	6.5E-10
3/30/11 2015	3/31/11 0915	0.01	765	5.0E-10
3/30/11 2030	3/31/11 0930	0.01	765	5.5E-10
3/30/11 2045	3/31/11 0945	0.01	765	6.5E-10
3/30/11 2100	3/31/11 1000	0.01	765	5.5E-10
3/30/11 2130	3/31/11 1030	0.01	765	6.0E-10
3/30/11 2200	3/31/11 1100	0.01	765	6.0E-10
3/30/11 2230	3/31/11 1130	0.01	765	6.5E-10
3/30/11 2300	3/31/11 1200	0.01	765	5.0E-10
3/31/11 0000	3/31/11 1300	0.01	765	5.0E-10
3/31/11 0100	3/31/11 1400	0.01	765	<5.0E-10
3/31/11 0200	3/31/11 1500	0.01	765	<5.0E-10
3/31/11 0300	3/31/11 1600	0.01	765	<5.0E-10
3/31/11 0400	3/31/11 1700	0.01	765	<5.0E-10
3/31/11 0500	3/31/11 1800	0.01	765	<5.0E-10

3/31/11 0600	3/31/11 1900	0.01	765	<5.0E-10	
3/31/11 0700	3/31/11 2000	0.01	765	<5.0E-10	
3/31/11 0800	3/31/11 2100	0.01	765	<5.0E-10	
3/31/11 0900	3/31/11 2200	0.01	765	5.0E-10	
3/31/11 1000	3/31/11 2300	0.01	765	5.0E-10	
3/31/11 1100	4/1/11 0000	0.01	765	6.0E-10	(O-3)
3/31/11 1200	4/1/11 0100	0.01	765	6.0E-10	(O-3)
3/31/11 1300	4/1/11 0200	0.01	765	5.0E-10	(O-3)
3/31/11 1400	4/1/11 0300	0.01	765	6.5E-10	(O-3)
3/31/11 1500	4/1/11 0400	0.01	765	6.5E-10	(O-3)
3/31/11 1600	4/1/11 0500	0.01	765	8.0E-10	(O-3)
3/31/11 1700	4/1/11 0600	0.01	765	1.1E-09	(O-3)
3/31/11 1800	4/1/11 0700	0.01	765	9.0E-10	(O-3)
3/31/11 1900	4/1/11 0800	0.01	765	8.5E-10	(O-3)
3/31/11 2000	4/1/11 0900	0.01	765	6.5E-10	(O-3, 4)
3/31/11 2100	4/1/11 1000	0.01	765	5.5E-10	
3/31/11 2200	4/1/11 1100	0.01	765	<5.0E-10	
3/31/11 2300	4/1/11 1200	0.01	765	<5.0E-10	
4/1/11 0000	4/1/11 1300	0.01	765	<5.0E-10	
4/1/11 0100	4/1/11 1400	0.01	765	<5.0E-10	
4/1/11 0200	4/1/11 1500	0.01	765	<5.0E-10	
4/1/11 0300	4/1/11 1600	0.01	765	<5.0E-10	
4/1/11 0400	4/1/11 1700	0.01	765	<5.0E-10	
4/1/11 0500	4/1/11 1800	0.01	765	<5.0E-10	
4/1/11 0600	4/1/11 1900	0.01	765	<5.0E-10	
4/1/11 0700	4/1/11 2000	0.01	765	<5.0E-10	
4/1/11 0800	4/1/11 2100	0.01	765	<5.0E-10	
4/1/11 0900	4/1/11 2200	0.01	765	<5.0E-10	
4/1/11 1000	4/1/11 2300	0.01	765	<5.0E-10	
4/1/11 1100	4/2/11 0000	0.01	765	5.5E-10	
4/1/11 1200	4/2/11 0100	0.01	765	6.0E-10	
4/1/11 1300	4/2/11 0200	0.01	765	7.5E-10	
4/1/11 1400	4/2/11 0300	0.01	765	8.5E-10	
4/1/11 1500	4/2/11 0400	0.01	765	1.0E-09	

4/1/11 1600	4/2/11 0500	0.01	765	8.0E-10
4/1/11 1700	4/2/11 0600	0.01	765	9.0E-10
4/1/11 1800	4/2/11 0700	0.01	765	1.2E-09
4/1/11 1900	4/2/11 0800	0.01	765	8.5E-10
4/1/11 2000	4/2/11 0900	0.01	765	9.0E-10
4/1/11 2100	4/2/11 1000	0.01	765	1.0E-09
4/1/11 2200	4/2/11 1100	0.01	765	8.0E-10
4/1/11 2300	4/2/11 1200	0.01	765	7.5E-10
4/2/11 0000	4/2/11 1300	0.01	765	6.0E-10
4/2/11 0100	4/2/11 1400	0.01	765	7.0E-10
4/2/11 0200	4/2/11 1500	0.01	765	6.0E-10
4/2/11 0300	4/2/11 1600	0.01	765	6.5E-10
4/2/11 0400	4/2/11 1700	0.01	765	6.5E-10
4/2/11 0500	4/2/11 1800	0.01	765	5.0E-10
4/2/11 0600	4/2/11 1900	0.01	765	<5.0E-10
4/2/11 0700	4/2/11 2000	0.01	765	5.0E-10
4/2/11 0800	4/2/11 2100	0.01	765	<5.0E-10
4/2/11 0900	4/2/11 2200	0.01	765	<5.0E-10
4/2/11 1000	4/2/11 2300	0.01	765	<5.0E-10
4/2/11 1100	4/3/11 0000	0.01	765	<5.0E-10
4/2/11 1200	4/3/11 0100	0.01	765	<5.0E-10
4/2/11 1300	4/3/11 0200	0.01	765	<5.0E-10
4/2/11 1400	4/3/11 0300	0.01	765	<5.0E-10
4/2/11 1500	4/3/11 0400	0.01	765	<5.0E-10
4/2/11 1600	4/3/11 0500	0.01	765	<5.0E-10
4/2/11 1700	4/3/11 0600	0.01	765	<5.0E-10
4/2/11 1800	4/3/11 0700	0.01	765	<5.0E-10
4/2/11 1900	4/3/11 0800	0.01	765	<5.0E-10
4/2/11 2000	4/3/11 0900	0.01	765	<5.0E-10
4/2/11 2100	4/3/11 1000	0.01	765	<5.0E-10
4/2/11 2200	4/3/11 1100	0.01	765	<5.0E-10
4/2/11 2300	4/3/11 1200	0.01	765	<5.0E-10
4/3/11 0000	4/3/11 1300	0.01	765	<5.0E-10
4/3/11 0100	4/3/11 1400	0.01	765	<5.0E-10

4/3/11 0200	4/3/11 1500	0.01	765	<5.0E-10
4/3/11 0300	4/3/11 1600	0.01	765	<5.0E-10
4/3/11 0400	4/3/11 1700	0.01	765	<5.0E-10
4/3/11 0500	4/3/11 1800	0.01	765	<5.0E-10
4/3/11 0600	4/3/11 1900	0.01	765	<5.0E-10
4/3/11 0700	4/3/11 2000	0.01	765	<5.0E-10
4/3/11 0800	4/3/11 2100	0.01	765	<5.0E-10
4/3/11 0900	4/3/11 2200	0.01	765	<5.0E-10
4/3/11 1000	4/3/11 2300	0.01	765	7.0E-10
4/3/11 1030	4/3/11 2330	0.01	765	6.5E-10
4/3/11 1100	4/4/11 0000	0.01	765	6.0E-10
4/3/11 1200	4/4/11 0100	0.01	765	5.0E-10
4/3/11 1300	4/4/11 0200	0.01	765	8.5E-10
4/3/11 1400	4/4/11 0300	0.01	765	1.0E-09
4/3/11 1500	4/4/11 0400	0.01	765	7.5E-10
4/3/11 1600	4/4/11 0500	0.01	765	1.5E-09
4/3/11 1700	4/4/11 0600	0.01	765	8.5E-10
4/3/11 1800	4/4/11 0700	0.01	765	1.1E-09
4/3/11 1900	4/4/11 0800	0.01	765	9.5E-10
4/3/11 2000	4/4/11 0900	0.01	765	6.5E-10
4/3/11 2100	4/4/11 1000	0.01	765	<5.0E-10
4/3/11 2200	4/4/11 1100	0.01	765	<5.0E-10
4/3/11 2300	4/4/11 1200	0.01	765	<5.0E-10
4/4/11 0000	4/4/11 1300	0.01	765	<5.0E-10
4/4/11 0100	4/4/11 1400	0.01	765	<5.0E-10
4/4/11 0200	4/4/11 1500	0.01	765	<5.0E-10
4/4/11 0300	4/4/11 1600	0.01	765	<5.0E-10
4/4/11 0400	4/4/11 1700	0.01	765	<5.0E-10
4/4/11 0500	4/4/11 1800	0.01	765	<5.0E-10
4/4/11 0600	4/4/11 1900	0.01	765	<5.0E-10
4/4/11 0700	4/4/11 2000	0.01	765	<5.0E-10
4/4/11 0800	4/4/11 2100	0.01	765	<5.0E-10
4/4/11 0900	4/4/11 2200	0.01	765	<5.0E-10
4/4/11 1000	4/4/11 2300	0.01	765	<5.0E-10

4/4/11 1100	4/5/11 0000	0.01	765	<5.0E-10	
4/4/11 1200	4/5/11 0100	0.01	765	<5.0E-10	
4/4/11 1300	4/5/11 0200	0.01	765	<5.0E-10	
4/4/11 1400	4/5/11 0300	0.01	765	1.0E-09	
4/4/11 1500	4/5/11 0400	0.01	765	1.1E-09	
4/4/11 1600	4/5/11 0500	0.01	765	1.2E-09	
4/4/11 1700	4/5/11 0600	0.01	765	1.1E-09	
4/4/11 1800	4/5/11 0700	0.01	765	1.0E-09	
4/4/11 1830	4/5/11 0730	0.01	765	1.0E-09	
4/4/11 1900	4/5/11 0800	0.01	765	9.0E-10	
4/4/11 1930	4/5/11 0830	0.01	765	5.5E-10	
4/4/11 2000	4/5/11 0900	0.01	765	<5.0E-10	
4/4/11 2100	4/5/11 1000	0.01	765	<5.0E-10	
4/4/11 2200	4/5/11 1100	0.01	765	<5.0E-10	
4/4/11 2300	4/5/11 1200	0.01	765	<5.0E-10	
4/5/11 0000	4/5/11 1300	0.01	765	<5.0E-10	
4/5/11 0100	4/5/11 1400	0.01	765	<5.0E-10	
4/5/11 0200	4/5/11 1500	0.01	765	<5.0E-10	
4/5/11 0300	4/5/11 1600	0.01	765	<5.0E-10	
4/5/11 0400	4/5/11 1700	0.01	765	<5.0E-10	
4/5/11 0500	4/5/11 1800	0.01	765	<5.0E-10	
4/5/11 0600	4/5/11 1900	0.01	765	<5.0E-10	
4/5/11 0700	4/5/11 2000	0.01	765	<5.0E-10	
4/5/11 0800	4/5/11 2100	0.01	765	<5.0E-10	
4/5/11 0900	4/5/11 2200	0.01	765	<5.0E-10	
4/5/11 1000	4/5/11 2300	0.01	765	<5.0E-10	
4/5/11 1100	4/6/11 0000	0.01	765	<5.0E-10	
4/5/11 1200	4/6/11 0100	0.01	765	7.0E-10	
4/5/11 1300	4/6/11 0200	0.01	765	8.5E-10	
4/5/11 1400	4/6/11 0300	0.01	765	1.2E-09	
4/5/11 1500	4/6/11 0400	0.01	765	8.5E-10	
4/5/11 1600	4/6/11 0500	0.01	765	1.0E-09	
4/5/11 1700	4/6/11 0600	0.01	765	8.5E-10	(O-4)
4/5/11 1800	4/6/11 0700	0.01	765	9.0E-10	(O-4)

4/6/11 1830	4/7/11 0730			(0-4)	
4/5/11 1900	4/6/11 0800	0.01	765	8.0E-10	
4/5/11 2000	4/6/11 0900	0.01	765	6.5E-10	
4/5/11 2100	4/6/11 1000	0.01	765	7.0E-10	
4/5/11 2200	4/6/11 1100	0.01	765	5.0E-10	
4/5/11 2300	4/6/11 1200	0.01	765	<5.0E-10	
4/6/11 0000	4/6/11 1300	0.01	765	<5.0E-10	
4/6/11 0100	4/6/11 1400	0.01	765	<5.0E-10	
4/6/11 0200	4/6/11 1500	0.01	765	<5.0E-10	
4/6/11 0300	4/6/11 1600	0.01	765	<5.0E-10	
4/6/11 0400	4/6/11 1700	0.01	765	<5.0E-10	
4/6/11 0500	4/6/11 1800	0.01	765	<5.0E-10	
4/6/11 0600	4/6/11 1900	0.01	765	<5.0E-10	
4/6/11 0700	4/6/11 2000	0.01	765	<5.0E-10	
4/6/11 0800	4/6/11 2100	0.01	765	<5.0E-10	
4/6/11 0900	4/6/11 2200	0.01	765	<5.0E-10	
4/6/11 1000	4/6/11 2300	0.01	765	<5.0E-10	
4/6/11 1100	4/7/11 0000	0.01	765	<5.0E-10	
4/6/11 1200	4/7/11 0100	0.01	765	<5.0E-10	
4/6/11 1300	4/7/11 0200	0.01	765	<5.0E-10	
4/6/11 1400	4/7/11 0300	0.01	765	1.1E-09	
4/6/11 1500	4/7/11 0400	0.01	765	8.0E-10	
4/6/11 1600	4/7/11 0500	0.01	765	9.0E-10	
4/6/11 1700	4/7/11 0600	0.01	765	1.0E-09	
4/6/11 1800	4/7/11 0700	0.01	765	9.5E-10	
4/6/11 1900	4/7/11 0800	0.01	765	1.1E-09	
4/6/11 2000	4/7/11 0900	0.01	765	9.0E-10	
4/6/11 2100	4/7/11 1000	0.01	765	1.0E-09	
4/6/11 2200	4/7/11 1100	0.01	765	7.5E-10	
4/6/11 2300	4/7/11 1200	0.01	765	5.5E-10	
4/7/11 0000	4/7/11 1300	0.01	765	<5.0E-10	
4/7/11 0100	4/7/11 1400	0.01	765	<5.0E-10	
4/7/11 0200	4/7/11 1500	0.01	765	5.5E-10	
4/7/11 0300	4/7/11 1600	0.01	765	<5.0E-10	



4/7/11 0400	4/7/11 1700	0.01	765	<5.0E-10
4/7/11 0500	4/7/11 1800	0.01	765	<5.0E-10
4/7/11 0600	4/7/11 1900	0.01	765	<5.0E-10
4/7/11 0700	4/7/11 2000	0.01	765	<5.0E-10
4/7/11 0800	4/7/11 2100	0.01	765	<5.0E-10
4/7/11 0900	4/7/11 2200	0.01	765	<5.0E-10
4/7/11 1000	4/7/11 2300	0.01	765	<5.0E-10
4/7/11 1100	4/8/11 0000	0.01	765	6.5E-10
4/7/11 1200	4/8/11 0100	0.01	765	9.0E-10
4/7/11 1300	4/8/11 0200	0.01	765	1.2E-09
4/7/11 1400	4/8/11 0300	0.01	765	1.4E-09
4/7/11 1500	4/8/11 0400	0.01	765	1.5E-09
4/7/11 1600	4/8/11 0500	0.01	765	1.2E-09
4/7/11 1700	4/8/11 0600	0.01	765	1.3E-09
4/7/11 1800	4/8/11 0700	0.01	765	1.4E-09
4/7/11 1900	4/8/11 0800	0.01	765	1.5E-09
4/7/11 2000	4/8/11 0900	0.01	765	8.5E-10
4/7/11 2100	4/8/11 1000	0.01	765	6.0E-10
4/7/11 2200	4/8/11 1100	0.01	765	<5.0E-10
4/7/11 2300	4/8/11 1200	0.01	765	<5.0E-10
4/8/11 0000	4/8/11 1300	0.01	765	<5.0E-10
4/8/11 0100	4/8/11 1400	0.01	765	<5.0E-10
4/8/11 0200	4/8/11 1500	0.01	765	<5.0E-10
4/8/11 0300	4/8/11 1600	0.01	765	<5.0E-10
4/8/11 0400	4/8/11 1700	0.01	765	<5.0E-10
4/8/11 0500	4/8/11 1800	0.01	765	<5.0E-10
4/8/11 0600	4/8/11 1900	0.01	765	<5.0E-10
4/8/11 0700	4/8/11 2000	0.01	765	<5.0E-10
4/8/11 0800	4/8/11 2100	0.01	765	<5.0E-10
4/8/11 0900	4/8/11 2200	0.01	765	<5.0E-10
4/8/11 1000	4/8/11 2300	0.01	765	<5.0E-10
4/8/11 1100	4/9/11 0000	0.01	765	<5.0E-10
4/8/11 1200	4/9/11 0100	0.01	765	<5.0E-10
4/8/11 1300	4/9/11 0200	0.01	765	8.5E-10

4/8/11 1400	4/9/11 0300	0.01	765	6.0E-10
4/8/11 1500	4/9/11 0400	0.01	765	5.5E-10
4/8/11 1600	4/9/11 0500	0.01	765	<5.0E-10
4/8/11 1700	4/9/11 0600	0.01	765	<5.0E-10
4/8/11 1800	4/9/11 0700	0.01	765	6.5E-10
4/8/11 1900	4/9/11 0800	0.01	585	9.0E-10
4/8/11 2000	4/9/11 0900	0.01	585	<5.0E-10
4/8/11 2100	4/9/11 1000	0.01	585	6.0E-10
4/8/11 2200	4/9/11 1100	0.01	585	<5.0E-10
4/8/11 2300	4/9/11 1200	0.01	495	6.5E-10
4/9/11 0000	4/9/11 1300	0.01	495	<5.0E-10
4/9/11 0100	4/9/11 1400	0.01	495	<5.0E-10
4/9/11 0200	4/9/11 1500	0.01	495	<5.0E-10
4/9/11 0300	4/9/11 1600	0.01	495	<5.0E-10
4/9/11 0400	4/9/11 1700	0.01	495	<5.0E-10
4/9/11 0500	4/9/11 1800	0.01	495	<5.0E-10
4/9/11 0600	4/9/11 1900	0.01	495	<5.0E-10
4/9/11 0700	4/9/11 2000	0.01	495	<5.0E-10
4/9/11 0800	4/9/11 2100	0.01	495	<5.0E-10
4/9/11 0900	4/9/11 2200	0.01	495	<5.0E-10
4/9/11 1000	4/9/11 2300	0.01	495	<5.0E-10
4/9/11 1100	4/10/11 0000	0.01	495	<5.0E-10
4/9/11 1200	4/10/11 0100	0.01	495	<5.0E-10
4/9/11 1300	4/10/11 0200	0.01	495	<5.0E-10
4/9/11 1400	4/10/11 0300	0.01	495	<5.0E-10
4/9/11 1500	4/10/11 0400	0.01	495	<5.0E-10
4/9/11 1600	4/10/11 0500	0.01	495	<5.0E-10
4/9/11 1700	4/10/11 0600	0.01	495	<5.0E-10
4/9/11 1800	4/10/11 0700	0.01	495	<5.0E-10
4/9/11 1900	4/10/11 0800	0.01	495	<5.0E-10
4/9/11 2000	4/10/11 0900	0.01	495	<5.0E-10
4/9/11 2100	4/10/11 1000	0.01	495	6.0E-10
4/9/11 2200	4/10/11 1100	0.01	495	<5.0E-10
4/9/11 2300	4/10/11 1200	0.01	495	<5.0E-10

4/10/11 0000	4/10/11 1300	0.01	495	<5.0E-10	
4/10/11 0100	4/10/11 1400	0.01	495	<5.0E-10	
4/10/11 0200	4/10/11 1500	0.01	495	<5.0E-10	
4/10/11 0300	4/10/11 1600	0.01	585	<5.0E-10	
4/10/11 0400	4/10/11 1700	0.01	585	<5.0E-10	
4/10/11 0500	4/10/11 1800	0.01	585	<5.0E-10	

**Notes**

(O-1) NACCC reports elevated air samples are due to natural short-lived Radon daughters as confirmed by half-life determination.

(O-2) 3/30/11 0000 (JST): NACCC reports elevated air samples are due to natural short-lived Radon daughters, as confirmed by half-life determination, as well as a potential plume event.

(O-3) NACCC reports elevated air samples are due to a possible plume event.

(O-4) Isotopic analysis performed on portable air sample filter and no isotopes detected.



3/21/11 0200	3/21/11 1500	0.01	<450	5.9E-10
3/21/11 0230	3/21/11 1530	0.01	<450	<5.0E-10
3/21/11 0300	3/21/11 1600	0.01	<450	6.0E-10
3/21/11 0330	3/21/11 1630		<450	5.9E-10
3/21/11 0400	3/21/11 1700	0.01	<450	6.3E-10
3/21/11 0430	3/21/11 1730	0.01	<450	6.0E-10
3/21/11 0500	3/21/11 1800	0.01	<450	6.0E-10
3/21/11 0530	3/21/11 1830	0.01	<450	6.5E-10
3/21/11 0600	3/21/11 1900	0.01	<450	6.5E-10
3/21/11 0630	3/21/11 1930	0.01	<450	6.0E-10
3/21/11 0700	3/21/11 2000	0.01	<450	6.5E-10
3/21/11 0730	3/21/11 2030	0.01	<450	7.3E-10
3/21/11 0800	3/21/11 2100	0.01	<450	6.3E-10
3/21/11 0830	3/21/11 2130	0.01	<450	6.5E-10
3/21/11 1100	3/22/11 0000	0.01	<450	6.5E-10
3/21/11 1200	3/22/11 0100	0.01	<450	<5.0E-10
3/21/11 1600	3/22/11 0500	0.01	<450	<5.0E-10
3/21/11 1900	3/22/11 0800	0.01	<450	5.5E-10
3/21/11 2300	3/22/11 1200	0.01	<450	<5.0E-10
3/22/11 0300	3/22/11 1600	0.01	<450	5.7E-10
3/22/11 0700	3/22/11 2000	0.01	<450	<5.0E-10
3/22/11 1100	3/23/11 0000	0.01	<450	<5.0E-10
3/22/11 1200	3/23/11 0100	0.01	<450	<5.0E-10
3/22/11 1900	3/23/11 0800	0.01	<450	<5.0E-10
3/22/11 2300	3/23/11 1200	0.01	<450	5.5E-10
3/23/11 0300	3/23/11 1600	0.01	<450	5.0E-10
3/23/11 0700	3/23/11 2000	0.01	<450	5.0E-10
3/23/11 1514	3/24/11 0414	0.01	<450	<5.0E-10
3/23/11 1900	3/24/11 0800	0.01	<450	<5.0E-10
3/23/11 2300	3/24/11 1200	0.01	<450	<5.0E-10
3/24/11 0300	3/24/11 1600	0.01	<450	<5.0E-10
3/24/11 0700	3/24/11 2000	0.01	<450	<5.0E-10
3/24/11 1900	3/25/11 0800	0.01	<450	5.0E-10
3/24/11 2300	3/25/11 1200	0.01	<450	<5.0E-10

3/25/11 0300	3/25/11 1600	0.01	<450	<5.0E-10
3/25/11 0700	3/25/11 2000	0.01	<450	<5.0E-10
3/25/11 1100	3/26/11 0000	0.01	<450	<5.0E-10
3/25/11 1500	3/26/11 0400	0.01	<450	<5.0E-10
3/25/11 1900	3/26/11 0800	0.01	<450	<5.0E-10
3/25/11 2300	3/26/11 1200	0.01	<450	<5.0E-10
3/26/11 0300	3/26/11 1600	0.01	<450	<5.0E-10
3/26/11 0700	3/26/11 2000	0.01	<450	<5.0E-10
3/26/11 1100	3/27/11 0000	0.01	<450	<5.0E-10
3/26/11 1500	3/27/11 0400	0.01	<450	<5.0E-10
3/26/11 1900	3/27/11 0800	0.01	<450	<5.0E-10
3/26/11 2300	3/27/11 1200	0.01	<450	<5.0E-10
3/27/11 0300	3/27/11 1600	0.01	<450	<5.0E-10
3/27/11 0700	3/27/11 2000	0.01	<450	<5.0E-10
3/27/11 1100	3/28/11 0000	0.01	<450	<5.0E-10
3/27/11 1500	3/28/11 0400	0.01	<450	<5.0E-10
3/27/11 1900	3/28/11 0800	0.01	<450	<5.0E-10
3/27/11 2300	3/28/11 1200	0.01	<450	<5.0E-10
3/28/11 0300	3/28/11 1600	0.01	<450	<5.0E-10
3/28/11 0700	3/28/11 2000	0.01	<450	<5.0E-10
3/28/11 1100	3/29/11 0000	0.01	<450	<5.0E-10
3/28/11 1500	3/29/11 0400	0.01	<450	<5.0E-10
3/28/11 1900	3/29/11 0800	0.01	<450	<5.0E-10
3/28/11 2300	3/29/11 1200	0.01	<450	<5.0E-10
3/29/11 0300	3/29/11 1600	0.01	<450	<5.0E-10
3/29/11 0700	3/29/11 2000	0.01	<450	<5.0E-10
3/29/11 1100	3/30/11 0000	0.01	<450	<5.0E-10
3/29/11 1500	3/30/11 0400	0.01	<450	<5.0E-10
3/29/11 1900	3/30/11 0800	0.01	<450	<5.0E-10
3/29/11 2300	3/30/11 1200	0.01	<450	<5.0E-10
3/30/11 0300	3/30/11 1600	0.01	<450	<5.0E-10
3/30/11 0700	3/30/11 2000	0.01	<450	<5.0E-10
3/30/11 1100	3/31/11 0000	0.01	<450	<5.0E-10
3/30/11 1500	3/31/11 0400	0.01	<450	<5.0E-10

3/30/11 1900	3/31/11 0800	0.01	<450	<5.0E-10
3/30/11 2300	3/31/11 1200	0.01	<450	<5.0E-10
3/31/11 0300	3/31/11 1600	0.01	<450	<5.0E-10
3/31/11 0700	3/31/11 2000	0.01	<450	<5.0E-10
3/31/11 1100	4/1/11 0000	0.01	<450	<5.0E-10
3/31/11 1500	4/1/11 0400	0.01	<450	<5.0E-10
3/31/11 1900	4/1/11 0800	0.01	<450	<5.0E-10
3/31/11 2300	4/1/11 1200	0.01	<450	<5.0E-10
4/1/11 0300	4/1/11 1600	0.01	<450	<5.0E-10
4/1/11 0700	4/1/11 2000	0.01	<450	<5.0E-10
4/1/11 1100	4/2/11 0000	0.01	<450	<5.0E-10
4/1/11 1500	4/2/11 0400	0.01	<450	<5.0E-10
4/1/11 1900	4/2/11 0800	0.01	<450	<5.0E-10
4/1/11 2300	4/2/11 1200	0.01	<450	<5.0E-10
4/2/11 0300	4/2/11 1600	0.01	<450	<5.0E-10
4/2/11 0700	4/2/11 2000	0.01	<450	<5.0E-10
4/2/11 1100	4/3/11 0000	0.01	<450	<5.0E-10
4/2/11 1500	4/3/11 0400	0.01	<450	<5.0E-10
4/2/11 1900	4/3/11 0800	0.01	<450	<5.0E-10
4/2/11 2300	4/3/11 1200	0.01	<450	<5.0E-10
4/3/11 0300	4/3/11 1600	0.01	<450	<5.0E-10
4/3/11 0700	4/3/11 2000	0.01	<450	<5.0E-10
4/3/11 1100	4/4/11 0000	0.01	<450	<5.0E-10
4/3/11 1500	4/4/11 0400	0.01	<450	<5.0E-10
4/3/11 1900	4/4/11 0800	0.01	<450	<5.0E-10
4/3/11 2300	4/4/11 1200	0.01	<450	<5.0E-10
4/4/11 0300	4/4/11 1600	0.01	<450	<5.0E-10
4/4/11 0700	4/4/11 2000	0.01	<450	<5.0E-10
4/4/11 1100	4/5/11 0000	0.01	<450	<5.0E-10
4/4/11 1500	4/5/11 0400	0.01	<450	<5.0E-10
4/4/11 1900	4/5/11 0800	0.01	<450	<5.0E-10
4/4/11 2300	4/5/11 1200	0.01	<450	<5.0E-10
4/5/11 0300	4/5/11 1600	0.01	<450	<5.0E-10
4/5/11 0700	4/5/11 2000	0.01	<450	<5.0E-10

4/5/11 1100	4/6/11 0000	0.01	<450	<5.0E-10
4/5/11 1500	4/6/11 0400	0.01	<450	<5.0E-10
4/5/11 1900	4/6/11 0800	0.01	<450	<5.0E-10
4/5/11 2300	4/6/11 1200	0.01	<450	<5.0E-10
4/6/11 0300	4/6/11 1600	0.01	<450	<5.0E-10
4/6/11 0700	4/6/11 2000	0.01	<450	<5.0E-10
4/6/11 1100	4/7/11 0000	0.01	<450	<5.0E-10
4/6/11 1500	4/7/11 0400	0.01	<450	<5.0E-10
4/6/11 1900	4/7/11 0800	0.01	<450	<5.0E-10
4/6/11 2300	4/7/11 1200	0.01	<450	<5.0E-10
4/7/11 0300	4/7/11 1600	0.01	<450	<5.0E-10
4/7/11 0700	4/7/11 2000	0.01	<450	<5.0E-10
4/7/11 1100	4/8/11 0000	0.01	<450	<5.0E-10
4/7/11 1500	4/8/11 0400	0.01	<450	<5.0E-10
4/7/11 1900	4/8/11 0800	0.01	<450	<5.0E-10
4/7/11 2300	4/8/11 1200	0.01	<450	<5.0E-10
4/8/11 0300	4/8/11 1600	0.01	<450	<5.0E-10
4/8/11 0700	4/8/11 2000	0.01	<450	<5.0E-10
4/8/11 1100	4/9/11 0000	0.01	<450	<5.0E-10
4/8/11 1500	4/9/11 0400	0.01	<450	<5.0E-10
4/8/11 1900	4/9/11 0800	0.01	<450	<5.0E-10
4/8/11 2300	4/9/11 1200	0.01	<450	<5.0E-10
4/9/11 0300	4/9/11 1600	0.01	<450	<5.0E-10
4/9/11 0700	4/9/11 2000	0.01	<450	<5.0E-10
4/9/11 1100	4/10/11 0000	0.01	<450	<5.0E-10
4/9/11 1500	4/10/11 0400	0.01	<450	<5.0E-10
4/9/11 1900	4/10/11 0800	0.01	<450	<5.0E-10
4/9/11 2300	4/10/11 1200	0.01	<450	<5.0E-10
4/10/11 0300	4/10/11 1600	0.01	<450	<5.0E-10

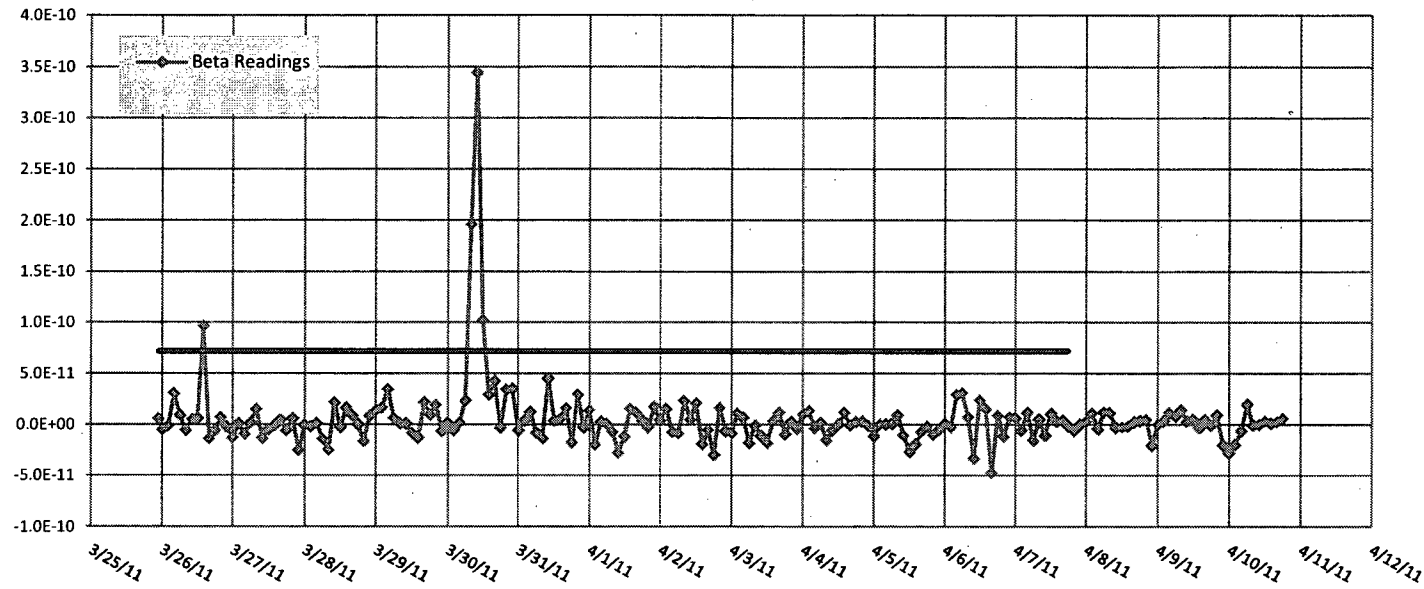
Notes





**Tokyo Embassy: LAT. 35.67N, LONG. 139.74E**

**Tokyo: ICAM Air Sampler**



The investigation level calculated is Ave + 2σ.

Date and Time (JST)	Alpha (μCi/mL)	Beta (μCi/mL)	Alpha (μCi/mL)	Beta (μCi/mL)	Investigation (μCi/mL)	Air Flow (CFM)	Beta Average
							5.18E-12
3/25/11 2240	N/A	N/A	3.34E-13	5.33E-12	7.17E-11	N/A	
3/26/11 0001	N/A	N/A	2.31E-13	-5.31E-12	7.17E-11	N/A	
3/26/11 0200	N/A	N/A	2.61E-13	-1.3E-12	7.17E-11	N/A	<b>Standard Deviation</b>
3/26/11 0400	N/A	N/A	-2.99E-13	3.03E-11	7.17E-11	N/A	
3/26/11 0600	N/A	N/A	-8.68E-13	8.65E-12	7.17E-11	N/A	3.33E-11
3/26/11 0800	N/A	N/A	4.31E-13	-5.72E-12	7.17E-11	N/A	
3/26/11 1020	N/A	N/A	-3.86E-13	5.23E-12	7.17E-11	N/A	
3/26/11 1200	N/A	N/A	3.31E-13	6.06E-12	7.17E-11	1.3	<b>Investigation Level</b>
3/26/11 1400	N/A	N/A	-5.29E-13	9.64E-11	7.17E-11	1.2	
3/26/11 1600	N/A	N/A	-4.41E-13	-1.42E-11	7.17E-11	1.2	7.17E-11
3/26/11 1800	N/A	N/A	8.24E-13	-6.38E-12	7.17E-11	1.2	
3/26/11 2000	N/A	N/A	-3.33E-13	6.88E-12	7.17E-11	1.2	
3/26/11 2200	N/A	N/A	6.32E-13	-2.27E-12	7.17E-11	1.2	

3/27/11 0001	N/A	N/A	-1.32E-13	-1.33E-11	7.17E-11	1.1
3/27/11 0200	N/A	N/A	-4.72E-13	9.2E-13	7.17E-11	1.1
3/27/11 0400	N/A	N/A	1.09E-12	-9.51E-12	7.17E-11	1.2
3/27/11 0600	N/A	N/A	4.85E-13	1.68E-12	7.17E-11	1.1
3/27/11 0800	N/A	N/A	-2.11E-12	1.5E-11	7.17E-11	1.1
3/27/11 1000	N/A	N/A	5.84E-14	-1.36E-11	7.17E-11	1.1
3/27/11 1200	N/A	N/A	-7.93E-14	-5.14E-12	7.17E-11	1.2
3/27/11 1400	N/A	N/A	7.44E-14	-1.22E-12	7.17E-11	1.2
3/27/11 1600	N/A	N/A	-4.42E-14	4.48E-12	7.17E-11	1.2
3/27/11 1800	N/A	N/A	1.86E-13	-5.93E-12	7.17E-11	1.2
3/27/11 2000	N/A	N/A	-8.02E-13	5.73E-12	7.17E-11	1.2
3/27/11 2200	N/A	N/A	-4.16E-13	-2.51E-11	7.17E-11	1.2
3/28/11 0001	N/A	N/A	1.35E-14	-5.2E-13	7.17E-11	1.2
3/28/11 0200	N/A	N/A	1.25E-13	-2.12E-12	7.17E-11	1.2
3/28/11 0400	N/A	N/A	2.82E-13	1.38E-12	7.17E-11	1.2
3/28/11 0600	N/A	N/A	5.43E-13	-1.42E-11	7.17E-11	1.1
3/28/11 0800	N/A	N/A	7.39E-13	-2.48E-11	7.17E-11	1.0
3/28/11 1000	N/A	N/A	1.74E-12	2.15E-11	7.17E-11	1.0
3/28/11 1200	N/A	N/A	1.49E-13	-2.71E-12	7.17E-11	1.1
3/28/11 1400	N/A	N/A	-2.2E-13	1.63E-11	7.17E-11	1.2
3/28/11 1600	N/A	N/A	-2.63E-13	8.89E-12	7.17E-11	1.1
3/28/11 1800	N/A	N/A	-3.05E-13	6.43E-14	7.17E-11	1.1
3/28/11 2000	N/A	N/A	1.01E-12	-1.64E-11	7.17E-11	1.1
3/28/11 2200	N/A	N/A	4.08E-13	8.55E-12	7.17E-11	1.1
3/29/11 0001	N/A	N/A	-5.13E-13	1.38E-11	7.17E-11	1.1
3/29/11 0200	N/A	N/A	4.05E-13	1.64E-11	7.17E-11	1.1
3/29/11 0400	N/A	N/A	-2.37E-13	3.43E-11	7.17E-11	1.0
3/29/11 0600	N/A	N/A	2.32E-13	6.18E-12	7.17E-11	1.4
3/29/11 0800	N/A	N/A	5.12E-13	8.56E-13	7.17E-11	1.3
3/29/11 1000	N/A	N/A	-3.18E-13	8.56E-13	7.17E-11	1.1
3/29/11 1200	N/A	N/A	3.72E-14	-9.07E-12	7.17E-11	1.1
3/29/11 1400	N/A	N/A	7.06E-13	-1.33E-11	7.17E-11	1.2
3/29/11 1600	N/A	N/A	-5.26E-14	2.16E-11	7.17E-11	1.1
3/29/11 1800	N/A	N/A	-3.04E-13	9.38E-12	7.17E-11	1.1

3/29/11 2000	N/A	N/A	-3.6E-14	1.89E-11	7.17E-11	1.0
3/29/11 2200	N/A	N/A	8.68E-14	-6.9E-12	7.17E-11	0.9
3/30/11 0001	N/A	N/A	-6.3E-13	1.49E-12	7.17E-11	1.3
3/30/11 0200	9.44E-11	2.22E-10	-1.82E-13	-5.59E-12	7.17E-11	1.2
3/30/11 0400	1.13E-10	2.23E-10	-6.68E-13	1.23E-12	7.17E-11	1.1
3/30/11 0600	1.23E-10	2.85E-10	2.31E-12	2.31E-11	7.17E-11	0.9
3/30/11 0800	1.05E-10	2.45E-10	5.5E-13	1.96E-10	7.17E-11	1.2
3/30/11 1000	1.01E-10	2.47E-10	-2.85E-13	3.44E-10	7.17E-11	1.1
3/30/11 1200	6.76E-11	1.79E-10	-2.8E-13	1.02E-10	7.17E-11	1.0
3/30/11 1400	4.57E-11	1.34E-10	5.36E-13	2.92E-11	7.17E-11	1.0
3/30/11 1600	4.62E-11	1.33E-10	4.08E-13	4.25E-11	7.17E-11	1.0
3/30/11 1800	5.21E-11	1.47E-10	-1.3E-12	-3.45E-12	7.17E-11	1.0
3/30/11 2000	4.17E-11	1.08E-10	-3.01E-13	3.39E-11	7.17E-11	1.2
3/30/11 2200	5.24E-11	3.36E-10	3.61E-11	3.48E-11	7.17E-11	1.2
3/31/11 0001	4.8E-11	1.23E-10	1.43E-12	-6.05E-12	7.17E-11	1.2
3/31/11 0200	5.24E-11	1.34E-10	4.43E-13	3.69E-12	7.17E-11	1.2
3/31/11 0400	6.66E-11	1.12E-10	3.13E-13	1.21E-11	7.17E-11	1.2
3/31/11 0600	6.09E-11	1.51E-10	-4.66E-13	-8.47E-12	7.17E-11	1.1
3/31/11 0800	7.12E-11	1.79E-10	4.3E-13	-1.37E-11	7.17E-11	1.1
3/31/11 1000	3.36E-11	2.49E-10	6.38E-13	4.49E-11	7.17E-11	1.1
3/31/11 1200	1.73E-13	3.98E-12	1.77E-17	3.62E-12	7.17E-11	1.3
3/31/11 1400	7.99E-11	1.89E-10	9.9E-13	5.36E-12	7.17E-11	1.2
3/31/11 1600	-7.07E-11	1.68E-10	-2.97E-13	1.57E-11	7.17E-11	1.2
3/31/11 1800	7.74E-11	1.86E-10	-7.68E-13	-1.78E-11	7.17E-11	1.2
3/31/11 2000	7.38E-11	1.77E-10	1.01E-10	2.95E-11	7.17E-11	1.2
3/31/11 2200	6.58E-11	1.56E-10	-7E-14	-3.09E-12	7.17E-11	1.0
4/1/11 0000	7.11E-11	1.76E-10	-1.03E-12	1.39E-11	7.17E-11	1.1
4/1/11 0200	8.68E-11	1.96E-10	-3.36E-13	-1.99E-11	7.17E-11	1.1
4/1/11 0400	8.99E-11	2.12E-10	8.37E-13	2.88E-12	7.17E-11	1.0
4/1/11 0600	9.83E-13	2.33E-10	-9.1E-13	2.95E-13	7.17E-11	1.4
4/1/11 0800	8.29E-11	1.96E-10	-2.88E-13	-7.26E-12	7.17E-11	1.2
4/1/11 1000	9.74E-11	2.17E-10	-6.19E-13	-2.79E-11	7.17E-11	1.2
4/1/11 1200	7.9E-11	1.95E-10	-5.31E-13	-1.19E-11	7.17E-11	1.1
4/1/11 1400	7.14E-11	1.7E-10	-2.09E-14	1.54E-11	7.17E-11	1.1

4/1/11 1600	7.43E-11	1.77E-10	4.65E-13	1.18E-11	7.17E-11	1.1
4/1/11 1800	6.8E-11	1.61E-10	1.53E-12	4.32E-12	7.17E-11	1.1
4/1/11 2000	6.02E-11	1.5E-10	2.93E-13	-3.18E-12	7.17E-11	1.2
4/1/11 2200	6.29E-11	1.51E-10	1.21E-12	1.76E-11	7.17E-11	1.1
4/2/11 0001	6.04E-11	1.49E-11	3.60E-13	4.08E-12	7.17E-11	1.1
4/2/11 0200	7.49E-11	1.55E-10	-3.03E-13	1.55E-11	7.17E-11	1.1
4/2/11 0400	7.72E-11	1.82E-10	-1.78E-12	-7.32E-12	7.17E-11	1.1
4/2/11 0600	1.13E-10	2.64E-10	-1.59E-12	-8.91E-12	7.17E-11	1.0
4/2/11 0800	1.41E-10	3.31E-10	-1.44E-12	2.32E-11	7.17E-11	0.9
4/2/11 1000	1.22E-10	2.79E-10	1.08E-12	4.60E-12	7.17E-11	1.2
4/2/11 1200	1.16E-10	2.65E-10	-1.04E-13	2.08E-11	7.17E-11	1.1
4/2/11 1400	1.04E-10	2.39E-10	2.48E-13	-1.96E-11	7.17E-11	1.0
4/2/11 1600	9.92E-11	2.29E-10	-5.58E-13	-5.61E-12	7.17E-11	1.0
4/2/11 1800	9.63E-11	2.25E-10	-9.55E-13	-2.99E-11	7.17E-11	1.0
4/2/11 2000	9.68E-11	2.30E-10	1.60E-12	1.63E-11	7.17E-11	1.0
4/2/11 2200	6.88E-11	1.63E-10	1.65E-13	-6.57E-12	7.17E-11	0.9
4/3/11 0001	4.71E-11	1.16E-10	-3.10E-13	-8.50E-12	7.17E-11	1.2
4/3/11 0200	3.52E-11	9.25E-11	1.75E-12	1.09E-11	7.17E-11	1.2
4/3/11 0400	3.20E-11	8.41E-11	-4.07E-13	6.80E-12	7.17E-11	1.2
4/3/11 0600	3.50E-11	8.90E-11	5.62E-13	-1.85E-11	7.17E-11	1.2
4/3/11 0800	3.56E-11	9.38E-11	-4.60E-13	-7.93E-13	7.17E-11	1.1
4/3/11 1000	2.79E-11	7.81E-11	1.50E-12	-1.14E-11	7.17E-11	1.1
4/3/11 1200	3.52E-11	9.55E-11	7.53E-14	-1.82E-11	7.17E-11	1.1
4/3/11 1400	3.83E-11	9.85E-11	3.35E-13	3.22E-12	7.17E-11	1.1
4/3/11 1600	3.32E-11	8.98E-11	2.60E-13	1.15E-11	7.17E-11	1.1
4/3/11 1800	3.77E-11	1.01E-10	-5.67E-13	-9.46E-12	7.17E-11	1.1
4/3/11 2000	3.97E-11	1.06E-10	-1.95E-12	2.40E-12	7.17E-11	1.1
4/3/11 2200	3.53E-11	9.29E-11	-1.92E-13	-4.71E-12	7.17E-11	1.3
4/4/11 0000	3.86E-11	9.95E-11	6.86E-13	1.01E-11	7.17E-11	1.2
4/4/11 0200	5.72E-11	1.43E-10	3.38E-13	1.29E-11	7.17E-11	1.2
4/4/11 0400	7.21E-11	1.74E-10	4.42E-13	-3.71E-12	7.17E-11	1.1
4/4/11 0600	6.86E-11	1.72E-10	-1.11E-12	1.80E-12	7.17E-11	1.1
4/4/11 0800	6.35E-11	1.63E-10	-8.77E-13	-1.56E-11	7.17E-11	1.0
4/4/11 1000	5.03E-11	1.33E-10	-1.26E-12	-5.79E-12	7.17E-11	0.9

4/4/11 1200	4.54E-11	1.24E-10	-1.85E-12	-4.97E-14	7.17E-11	0.9
4/4/11 1400	7.26E-12	3.08E-11	3.19E-13	1.17E-11	7.17E-11	1.3
4/4/11 1600	1.24E-11	4.22E-11	2.50E-13	-1.07E-12	7.17E-11	1.3
4/4/11 1800	2.99E-11	8.19E-11	-1.19E-13	2.46E-12	7.17E-11	1.2
4/4/11 2000	2.63E-11	7.28E-11	-2.48E-13	3.13E-12	7.17E-11	1.2
4/4/11 2200	1.86E-11	9.21E-11	3.47E-11	-1.14E-12	7.17E-11	1.2
4/5/11 0000	3.28E-11	8.80E-11	1.56E-12	-1.13E-11	7.17E-11	1.2
4/5/11 0200	4.41E-11	1.15E-10	1.79E-13	-2.68E-12	7.17E-11	1.2
4/5/11 0400	4.16E-11	1.05E-10	1.08E-12	1.54E-11	7.17E-11	1.2
4/5/11 0600	2.26E-11	1.11E-10	8.26E-13	2.18E-13	7.17E-11	1.1
4/5/11 0800	5.39E-11	1.37E-10	-2.39E-13	8.84E-12	7.17E-11	1.1
4/5/11 1000	6.32E-11	1.57E-10	-2.83E-13	-1.05E-11	7.17E-11	1.0
4/5/11 1200	5.26E-11	1.39E-11	-4.80E-11	-2.72E-11	7.17E-11	1.0
4/5/11 1400	5.34E-11	1.87E-10	-3.65E-13	-1.96E-11	7.17E-11	1.0
4/5/11 1600	3.78E-11	1.00E-10	-2.12E-13	-7.00E-12	7.17E-11	1.1
4/5/11 1800	4.25E-11	1.14E-10	-1.27E-13	-2.16E-12	7.17E-11	1.1
4/5/11 2000	4.09E-11	1.07E-10	5.54E-14	-1.04E-11	7.17E-11	1.1
4/5/11 2200	4.43E-11	1.17E-10	1.70E-13	-5.45E-12	7.17E-11	1.1
4/6/11 0007	4.45E-11	1.19E-10	2.43E-13	1.05E-12	7.17E-11	1.1
4/6/11 0210	6.08E-11	1.51E-10	-4.20E-13	-2.95E-12	7.17E-11	1.0
4/6/11 0407	9.27E-11	2.21E-10	-8.81E-13	2.88E-11	7.17E-11	1.0
4/6/11 0600	6.10E-11	1.45E-10	2.59E-13	3.10E-11	7.17E-11	1.2
4/6/11 0800	1.12E-10	2.58E-10	-9.64E-13	7.30E-12	7.17E-11	1.1
4/6/11 1000	9.56E-11	2.19E-10	3.62E-13	-3.35E-11	7.17E-11	1.1
4/6/11 1200	7.10E-11	1.72E-10	1.04E-12	2.39E-11	7.17E-11	1.0
4/6/11 1400	5.94E-11	1.54E-10	8.24E-13	1.54E-11	7.17E-11	0.9
4/6/11 1600	5.66E-11	1.42E-10	7.36E-13	-4.75E-11	7.17E-11	0.9
4/6/11 1800	4.29E-11	1.16E-10	-4.35E-13	8.79E-12	7.17E-11	0.9
4/6/11 2000	5.56E-11	1.50E-10	2.16E-13	-1.21E-11	7.17E-11	0.9
4/6/11 2200	6.03E-11	1.48E-10	-1.19E-10	7.09E-12	7.17E-11	0.9
4/7/11 0001	3.76E-11	9.49E-11	3.70E-13	6.33E-12	7.17E-11	1.3
4/7/11 0200	5.71E-11	1.39E-10	8.85E-13	-6.38E-12	7.17E-11	1.2
4/7/11 0400	9.84E-11	2.28E-10	2.30E-14	1.15E-11	7.17E-11	1.2
4/7/11 0600	1.21E-10	2.72E-10	1.24E-12	-1.58E-11	7.17E-11	1.0

4/7/11 0800	1.43E-11	4.63E-11	-2.27E-13	4.80E-12	7.17E-11	1.3
4/7/11 1000	5.15E-11	1.26E-10	-2.07E-14	-1.1E-11	7.17E-11	1.3
4/7/11 1200	3.57E-11	9.34E-11	1.07E-13	1.07E-11	7.17E-11	1.3
4/7/11 1400	4.42E-11	1.09E-10	3.9E-13	2.79E-12	7.17E-11	1.1
4/7/11 1600	3.72E-11	9.95E-11	-4.26E-13	4.37E-12	7.17E-11	1.1
4/7/11 1800	2.53E-11	6.93E-11	-3.24E-11	-1.79E-12	7.17E-11	1.1
4/7/11 2000	2.33E-11	6.94E-11	6.83E-13	-7.00E-12	7.17E-11	1.1
4/7/11 2200	2.52E-11	7.01E-11	-8.12E-13	-9.27E-14	7.17E-11	1.1
4/8/11 0000	2.06E-11	6.24E-11	-1.14E-12	2.76E-12	7.17E-11	1.1
4/8/11 0200	2.44E-11	7.03E-11	-1.61E-12	1.1E-11	7.17E-11	1.1







3/21/11 1900	3/22/11 0800	0.01	36,000	7.5E-10
3/21/11 2000	3/22/11 0900	0.01	36,000	6.5E-09
3/21/11 2100	3/22/11 1000	0.02	37,000	6.0E-09
3/21/11 2200	3/22/11 1100	0.01	36,000	2.0E-09
3/21/11 2300	3/22/11 1200	0.01	36,000	1.4E-09
3/21/11 2330	3/22/11 1230	0.01	45,000	1.8E-09
3/22/11 0000	3/22/11 1300	0.01	47,000	2.5E-09
3/22/11 0030	3/22/11 1330	0.01	48,000	2.0E-09
3/22/11 0100	3/22/11 1400	0.01	36,000	2.8E-09
3/22/11 0130	3/22/11 1430	0.02	36,000	2.5E-09
3/22/11 0200	3/22/11 1500	0.01	36,000	2.3E-09
3/22/11 0230	3/22/11 1530	0.01	38,000	2.0E-09
3/22/11 0300	3/22/11 1600	0.01	42,000	2.0E-09
3/22/11 0330	3/22/11 1630	0.01	44,000	3.5E-09
3/22/11 0400	3/22/11 1700	0.01	48,000	4.5E-09
3/22/11 0430	3/22/11 1730	0.01	52,000	8.5E-09
3/22/11 0445	3/22/11 1745	0.02	52,000	1.1E-08
3/22/11 0500	3/22/11 1800	0.02	52,000	1.0E-08
3/22/11 0515	3/22/11 1815	0.02	52,000	4.5E-09
3/22/11 0530	3/22/11 1830	0.01	48,000	5.0E-09
3/22/11 0545	3/22/11 1845	0.02	50,000	2.0E-09
3/22/11 0600	3/22/11 1900	0.01	50,000	1.5E-09
3/22/11 0615	3/22/11 1915	0.02	45,000	1.0E-09
3/22/11 0630	3/22/11 1930	0.02	45,000	1.5E-09
3/22/11 0645	3/22/11 1945	0.02	45,000	1.3E-09
3/22/11 0700	3/22/11 2000	0.02	45,000	1.8E-09
3/22/11 0715	3/22/11 2015	0.02	45,000	4.3E-09
3/22/11 0730	3/22/11 2030	0.04	43,000	5.0E-09
3/22/11 0745	3/22/11 2045	0.04	32,000	2.0E-09
3/22/11 0800	3/22/11 2100	0.04	32,000	2.3E-09
3/22/11 0815	3/22/11 2115	0.03	32,000	1.8E-09
3/22/11 0830	3/22/11 2130	0.01	36,000	1.5E-09
3/22/11 0845	3/22/11 2145	0.03	32,000	1.0E-09
3/22/11 0900	3/22/11 2200	0.03	32,000	7.5E-10

3/22/11 0915	3/22/11 2215	0.03	32,000	7.5E-10			
3/22/11 1100	3/23/11 0000	0.03	36,000	<5.0E-10			
3/22/11 1130	3/23/11 0030	0.02	36,000	<5.0E-10			
3/22/11 1200	3/23/11 0100	0.02	36,000	<5.0E-10			
3/22/11 1300	3/23/11 0200	0.02	36,000	<5.0E-10			
3/22/11 1400	3/23/11 0300	0.02	36,000	<5.0E-10			
3/22/11 1500	3/23/11 0400	0.01	36,000	<5.0E-10			
3/22/11 1600	3/23/11 0500	0.02	36,000	<5.0E-10			
3/22/11 1700	3/23/11 0600	0.01	41,000	<5.0E-10			
3/22/11 1800	3/23/11 0700	0.03	41,000	<5.0E-10			
3/22/11 1900	3/23/11 0800	0.03	41,000	5.0E-10			
3/22/11 2000	3/23/11 0900	0.03	45,000	5.0E-10			
3/22/11 2100	3/23/11 1000	0.03	45,000	5.0E-10			
3/22/11 2200	3/23/11 1100	0.03	45,000	5.0E-10			
3/22/11 2300	3/23/11 1200	0.03	49,000	5.0E-10			
3/23/11 0000	3/23/11 1300	0.03	55,000	5.0E-10			
3/23/11 0030	3/23/11 1330	0.03	53,000	2.5E-09			
3/23/11 0100	3/23/11 1400	0.03	53,000	2.5E-09			
3/23/11 0130	3/23/11 1430	0.03	55,000	1.3E-09			
3/23/11 0200	3/23/11 1500	0.03	53,000	1.3E-09			
3/23/11 0230	3/23/11 1530	0.03	55,000	1.3E-09			
3/23/11 0300	3/23/11 1600	0.03	56,000	1.0E-09			
3/23/11 0330	3/23/11 1630	0.03	54,000	1.5E-09			
3/23/11 0400	3/23/11 1700	0.04	53,000	1.5E-09			
3/23/11 0430	3/23/11 1730	0.03	52,000	1.3E-09			
3/23/11 0500	3/23/11 1800	0.03	52,000	1.4E-09			
3/23/11 0530	3/23/11 1830	0.03	50,000	7.0E-10			
3/23/11 0530	3/23/11 1830				1.75E-10	2.19E-12	4.13E-12
3/23/11 0600	3/23/11 1900	0.03	50,000	8.0E-10			
3/23/11 0700	3/23/11 2000	0.03	50,000	7.5E-10			
3/23/11 0800	3/23/11 2100	0.03	50,000	7.5E-10			
3/23/11 0900	3/23/11 2200	0.02	50,000	<5.0E-10			
3/23/11 1000	3/23/11 2300	0.02	50,000	<5.0E-10			
3/23/11 1100	3/24/11 0000	0.02	50,000	<5.0E-10			

3/23/11 1200	3/24/11 0100	0.02	50,000	5.0E-10	
3/23/11 1300	3/24/11 0200	0.02	50,000	<5.0E-10	
3/23/11 1500	3/24/11 0400	0.02	50,000	<5.0E-10	
3/23/11 1600	3/24/11 0500	0.02	50,000	6.0E-10	
3/23/11 1700	3/24/11 0600	0.01	45,000	1.3E-09	
3/23/11 1730	3/24/11 0630	0.02	46,000	9.0E-10	
3/23/11 1800	3/24/11 0700	0.02	47,000	9.0E-10	
3/23/11 1830	3/24/11 0730	0.02	47,000	7.5E-10	
3/23/11 1900	3/24/11 0800	0.02	47,000	5.0E-10	
3/23/11 2000	3/24/11 0900	0.02	50,000	5.0E-10	
3/23/11 2100	3/24/11 1000	0.02	49,000	5.0E-10	
3/23/11 2100	3/24/11 1000				1.1E-11
3/23/11 2200	3/24/11 1100	0.03	50,000	5.0E-10	
3/23/11 2300	3/24/11 1200	0.03	49,000	5.0E-10	
3/24/11 0000	3/24/11 1300	0.03	49,000	5.0E-10	
3/24/11 0100	3/24/11 1400	0.01	49,000	5.0E-10	
3/24/11 0200	3/24/11 1500	0.03	52,000	5.0E-10	
3/24/11 0300	3/24/11 1600	0.03	50,000	5.0E-10	
3/24/11 0400	3/24/11 1700	0.03	47,000	5.0E-10	
3/24/11 0500	3/24/11 1800	0.03	50,000	5.0E-10	
3/24/11 0600	3/24/11 1900	0.03	47,000	5.0E-10	
3/24/11 0700	3/24/11 2000	0.03	50,000	5.0E-10	
3/24/11 0800	3/24/11 2100	0.03	49,000	5.0E-10	(I-2)
3/24/11 0913	3/24/11 2213	0.03	50,000	5.0E-10	(I-2)
3/24/11 1100	3/25/11 0000	0.03	49,000	5.0E-10	(I-2)
3/24/11 1200	3/25/11 0100	0.03	50,000	5.0E-10	(I-2)
3/24/11 1400	3/25/11 0300	0.03	49,000	5.0E-10	(I-2)
3/24/11 1500	3/25/11 0400	0.03	48,000	5.0E-10	(I-2)
3/24/11 1600	3/25/11 0500	0.03	49,000	5.0E-10	(I-2)
3/24/11 1700	3/25/11 0600	0.03	46,000	5.0E-10	(I-2)
3/24/11 1800	3/25/11 0700	0.03	46,000	5.0E-10	(I-2)
3/24/11 1800	3/25/11 0700				1.1E-11
3/24/11 1900	3/25/11 0800	0.03	45,000	<5.0E-10	(I-2)
3/24/11 2000	3/25/11 0900	0.03	45,000	<5.0E-10	

3/24/11 2100	3/25/11 1000	0.03	45,000	5.0E-10	
3/24/11 2200	3/25/11 1100	0.03	45,000	5.0E-10	
3/24/11 2300	3/25/11 1200	0.03	45,000	5.0E-10	
3/25/11 0000	3/25/11 1300	0.03	45,000	5.0E-10	
3/25/11 0100	3/25/11 1400	0.03	45,000	<5.0E-10	
3/25/11 0200	3/25/11 1500	0.03	45,000	<5.0E-10	
3/25/11 0300	3/25/11 1600	0.03	45,000	<5.0E-10	
3/25/11 0400	3/25/11 1700	0.03	45,000	<5.0E-10	
3/25/11 0500	3/25/11 1800	0.03	45,000	<5.0E-10	
3/25/11 0600	3/25/11 1900	0.03	45,000	<5.0E-10	
3/25/11 0700	3/25/11 2000	0.03	46,000	<5.0E-10	
3/25/11 0800	3/25/11 2100	0.03	45,000	<5.0E-10	
3/25/11 0900	3/25/11 2200	0.03	45,000	<5.0E-10	
3/25/11 1000	3/25/11 2300	0.03	44,000	<5.0E-10	
3/25/11 1100	3/26/11 0000	0.03	44,000	<5.0E-10	
3/25/11 1200	3/26/11 0100	0.03	44,000	<5.0E-10	
3/25/11 1300	3/26/11 0200	0.03	43,000	<5.0E-10	
3/25/11 1400	3/26/11 0300	0.03	43,000	<5.0E-10	
3/25/11 1500	3/26/11 0400	0.03	43,000	<5.0E-10	
3/25/11 1600	3/26/11 0500	0.03	44,000	<5.0E-10	
3/25/11 1700	3/26/11 0600	0.03	43,000	<5.0E-10	
3/25/11 1800	3/26/11 0700	0.01	43,000	<5.0E-10	
3/25/11 1900	3/26/11 0800	0.03	41,000	8.0E-10	
3/25/11 2000	3/26/11 0900	0.03	41,000	<5.0E-10	
3/25/11 2100	3/26/11 1000	0.03	41,000	5.0E-10	9.78E-12
3/25/11 2200	3/26/11 1100	0.03	41,000	<5.0E-10	
3/25/11 2300	3/26/11 1200	0.03	41,000	<5.0E-10	
3/26/11 0000	3/26/11 1300	0.03	41,000	<5.0E-10	
3/26/11 0100	3/26/11 1400	0.03	41,000	<5.0E-10	
3/26/11 0200	3/26/11 1500	0.03	41,000	<5.0E-10	
3/26/11 0300	3/26/11 1600	0.03	40,000	<5.0E-10	
3/26/11 0400	3/26/11 1700	0.03	40,000	<5.0E-10	
3/26/11 0500	3/26/11 1800	0.03	41,000	<5.0E-10	
3/26/11 0600	3/26/11 1900	0.03	41,000	<5.0E-10	

3/26/11 0700	3/26/11 2000	0.03	40,000	<5.0E-10	
3/26/11 0800	3/26/11 2100	0.03	40,000	<5.0E-10	
3/26/11 0900	3/26/11 2200	0.03	41,000	<5.0E-10	
3/26/11 1000	3/26/11 2300	0.03	40,000	<5.0E-10	
3/26/11 1100	3/27/11 0000	0.03	40,000	<5.0E-10	
3/26/11 1200	3/27/11 0100	0.03	40,000	<5.0E-10	
3/26/11 1300	3/27/11 0200	0.03	39,000	<5.0E-10	
3/26/11 1400	3/27/11 0300	0.03	39,000	<5.0E-10	
3/26/11 1500	3/27/11 0400	0.03	38,000	<5.0E-10	
3/26/11 1600	3/27/11 0500	0.03	40,000	<5.0E-10	
3/26/11 1700	3/27/11 0600	0.03	38,000	5.0E-10	
3/26/11 1800	3/27/11 0700	0.03	37,000	5.0E-10	(I-3)

**Notes**

(I-1) 3/21/11 0945 (JST): RI results considered to be in error due to sample/analysis error. Subsequent RI samples at 2245 and 0030 on 3/21/11 were negative. Recount of the 2045 RI

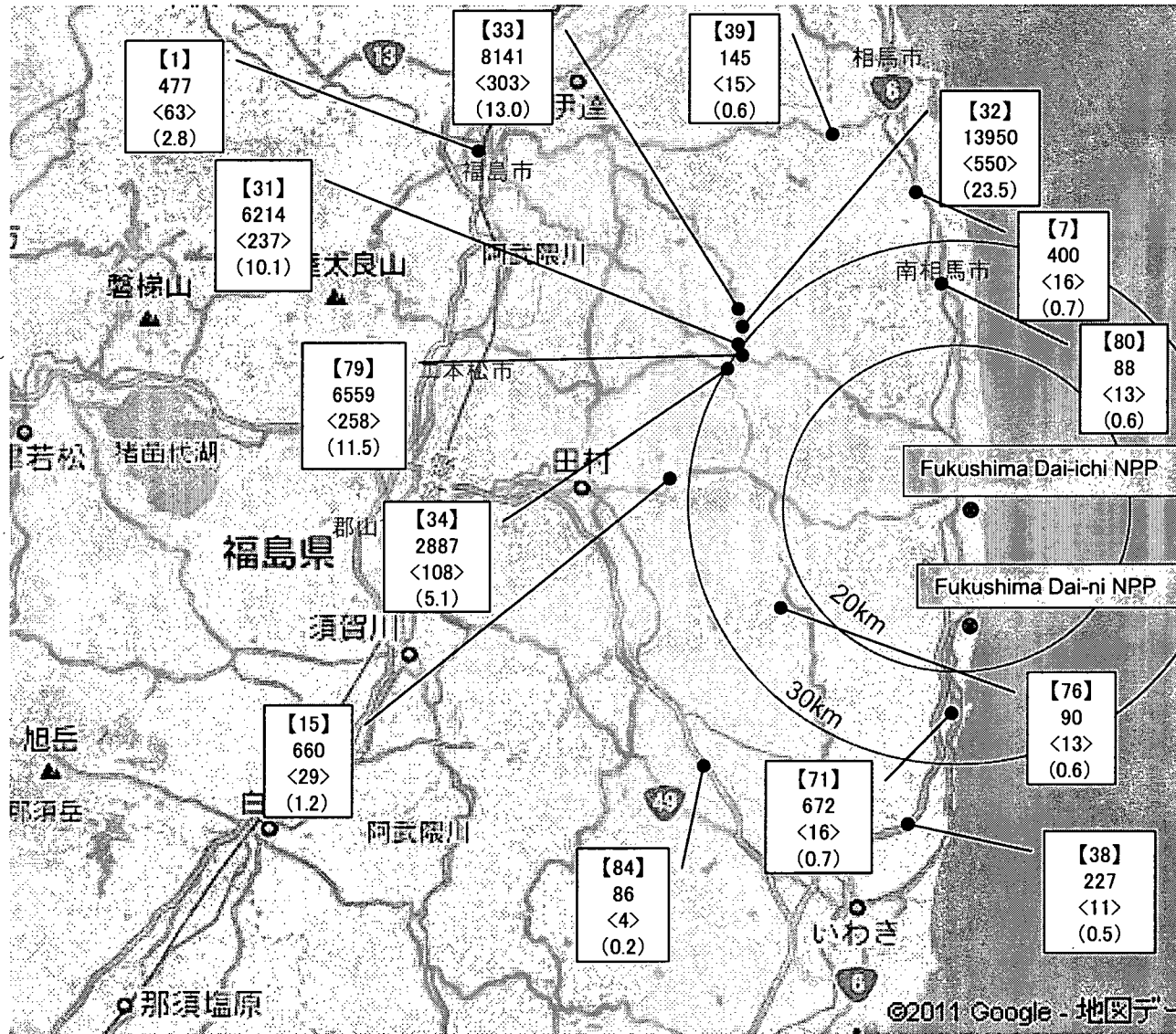
(I-2) 3/25/11 0545 (JST): NACCC reports possible temperature inversion for air samples over past 6 to 8 hours. NACCC update pending.

(I-3) 3/27/11 0800 (JST): Final sample; team re-deployed to Mito.

## Yokota

Date & Time	Location	Radiation	Frisker Reading at 1m	Direct frisk of normal walking surface [DT-304]	Normal Walking Surface	Direct frisk of non-normal walking surface [DT-304]	Non-Normal Walking Surface	Direct frisk of normal walking surface [DT-681]	Direct frisk of non-normal walking surface [DT-681]	Soil Sample
(JST)		(mr/hr)	(ccpm)	(ccpm)	Type of Surface	(ccpm)	Type of Surface	(ccpm)	(ccpm)	(ccpm)
3/31/11 1557	Exchange	0.01	50	500	Concrete	500	Grass	0	0	500
3/31/11 1655	Middle School	0.01	30	500	Concrete	120	Dirt	1	0	120
3/31/11 1655	Middle School					200	Grass			
3/31/11 1739	Elementary School	0.01	60	550	Concrete	350	Grass	4	0	300
3/31/11 1805	Rec Center	0.01	100	600	Concrete	400	Grass	1	0	250
3/31/11 1805	Rec Center		50				Grass			

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



## Monitoring Time

- March 23th ~ April 9th  
(Monitoring Post: 7, 31 ~ 34, 71, 79)
  - March 23th ~ 28th, April 3rd ~ 9th  
(Monitoring Post: 71)
  - March 24th ~ April 9th  
(Monitoring Post: 1, 15)
  - March 25th ~ April 1st, April 3rd ~ 9th  
(Monitoring Post: 84)
  - March 31th ~ April 1st, April 3rd ~ 9th  
(Monitoring Post: 38)
  - April 1st ~ April 9th  
(Monitoring Post: 39)
  - April 2nd ~ April 9th  
(Monitoring Post: 76)
  - April 3th ~ April 9th  
(Monitoring Post: 80)
- Monitoring Post

(explanatory note)

【 Monitoring Post number】  
Readings of Integrated Dose ※  
<increment from the last monitoring>  
(average dose per hour)

Readings of Integrated Dose indicate that accumulation of dose from each starting date till April 9th, for 6 days to 17 days.

Unit: μSv per hour



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

As of 13:00 April 10, 2011

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

## ○Monitoring Outputs by MEXT

- \* 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】 (About60kmNorth/West)	2011/4/10 8:30	0.3 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【2】 (About55kmNorth/West)	2011/4/10 8:53	2.6 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【3】 (About45kmNorth/West)	2011/4/10 9:47	2.9 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【4】 (About50kmNorth/West)	2011/4/10 9:14	1.9 *2	No Rain	MEXT
Reading Point 【5】 (About45kmNorth)	2011/4/10 10:24	0.6 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【6】 (About35kmNorth)	2011/4/10 10:49	1.2 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【10】 (About40kmNorth/West)	2011/4/10 9:27	1.6 *2	No Rain	MEXT
Reading Point 【11】 (About40kmNorth/West)	2011/4/10 9:35	1.9 *2	No Rain	MEXT
Reading Point 【20】 (About45kmNorth/West)	2011/4/10 9:58	1.6 *2	No Rain	MEXT
Reading Point 【21】 (About30kmWest/North/West)	2011/4/10 10:24	5.9 *2	No Rain	MEXT
Reading Point 【22】 (About35kmWest/North/West)	2011/4/10 10:12	2.0 *2	No Rain	MEXT
Reading Point 【23】 (About35kmWest/North/West)	2011/4/10 10:50	1.4 *2	No Rain	MEXT
Reading Point 【31】 (About30kmWest/North/West)	2011/4/10 10:00	12.8 *2	No Rain	MEXT
Reading Point 【32】 (About30kmNorth/West)	2011/4/10 10:38	25.2 *2	No Rain	MEXT

- \* 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 : $\mu$ Sv / h )	Weather	Reading by
Reading Point 【36】 (About40kmNorth/West)	2011/4/10 9:38	4.6 *2	No Rain	MEXT
Reading Point 【37】 (About50kmNorth/West)	2011/4/10 9:40	3.0 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【39】 (About45kmNorth)	2011/4/10 10:10	0.9 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【74】 (About35kmSouth)	2011/4/10 10:55	0.5 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【75】 (About45kmSouth)	2011/4/10 10:33	0.5 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【84】 (About40kmSouth/West)	2011/4/10 9:55	0.2 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【85】 (About60kmNorth/West)	2011/4/10 6:00	0.4 *2	No Rain	Ministry of Defence
Reading Point 【86】 (About55kmWest)	2011/4/10 6:00	0.9 *2	No Rain	Ministry of Defence
Reading Point 【87】 (About30kmWest/South/West)	2011/4/10 6:00	1.6 *2	Rain	Ministry of Defence
Reading Point 【101】 (About55kmNorth/West)	2011/4/10 9:19	1.5 *2	No Rain	JAEA (Japan Atomic Energy Agency)

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

As of 16:00 April 10, 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 : $\mu\text{Sv} / \text{h}$ )	測定位置	Weather	Reading by
Reading Point 【1】 (About60kmNorth/West)	2011/4/10 8:30	0.3 *2	N: 37° 44' 12.6" E: 140° 28' 02.9"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【2】 (About55kmNorth/West)	2011/4/10 8:53	2.6 *2	N: 37° 41' 12.7" E: 140° 33' 29.3"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【3】 (About45kmNorth/West)	2011/4/10 9:47	2.9 *2	N: 37° 45' 40.5" E: 140° 44' 19.9"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【4】 (About50kmNorth/West)	2011/4/10 9:14	1.9 *2	N: 37° 39' 30.0" E: 140° 35' 54.0"	No Rain	MEXT
Reading Point 【5】 (About45kmNorth)	2011/4/10 10:24	0.6 *2	N: 37° 47' 17.4" E: 140° 55' 59.1"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【6】 (About35kmNorth)	2011/4/10 10:49	1.2 *2	N: 37° 42' 09.5" E: 140° 58' 04.6"	No Rain	JAEA (Japan Atomic Energy Agency)
<u>Reading Point 【7】 (About35kmNorth)</u>	<u>2011/4/10 11:01</u>	<u>0.7 *2</u>	<u>N: 37° 41' 49.0"</u> <u>E: 140° 57' 57.7"</u>	<u>No Rain</u>	<u>JAEA (Japan Atomic Energy Agency)</u>
Reading Point 【10】 (About40kmNorth/West)	2011/4/10 9:27	1.6 *2	N: 37° 36' 02.9" E: 140° 35' 07.3"	No Rain	MEXT
Reading Point 【11】 (About40kmNorth/West)	2011/4/10 9:35	1.9 *2	N: 37° 34' 00.0" E: 140° 34' 48.0"	No Rain	MEXT
<u>Reading Point 【12】 (About40kmWest)</u>	<u>2011/4/10 11:15</u>	<u>1.2 *2</u>	<u>N: 37° 25' 53.6"</u> <u>E: 140° 35' 44.2"</u>	<u>No Rain</u>	<u>MEXT</u>
<u>Reading Point 【13】 (About40kmWest)</u>	<u>2011/4/10 11:23</u>	<u>1.6 *2</u>	<u>N: 37° 26' 21.5"</u> <u>E: 140° 37' 20.7"</u>	<u>No Rain</u>	<u>MEXT</u>
<u>Reading Point 【14】 (About35kmWest)</u>	<u>2011/4/10 11:29</u>	<u>0.8 *2</u>	<u>N: 37° 26' 09.4"</u> <u>E: 140° 38' 49.5"</u>	<u>No Rain</u>	<u>MEXT</u>
<u>Reading Point 【15】 (About35kmWest)</u>	<u>2011/4/10 11:42</u>	<u>1.5 *2</u>	<u>N: 37° 26' 54.0"</u> <u>E: 140° 40' 53.2"</u>	<u>No Rain</u>	<u>MEXT</u>
Reading Point 【20】 (About45kmNorth/West)	2011/4/10 9:58	1.6 *2	N: 37° 29' 24.2" E: 140° 34' 54.2"	No Rain	MEXT
Reading Point 【21】 (About30kmWest/North/West)	2011/4/10 10:24	5.9 *2	N: 37° 30' 28.7" E: 140° 42' 08.7"	No Rain	MEXT
Reading Point 【22】 (About35kmWest/North/West)	2011/4/10 10:12	2.0 *2	N: 37° 30' 41.3" E: 140° 39' 28.8"	No Rain	MEXT
Reading Point 【23】 (About35kmWest/North/West)	2011/4/10 10:50	1.4 *2	N: 37° 30' 18.9" E: 140° 34' 40.6"	No Rain	MEXT

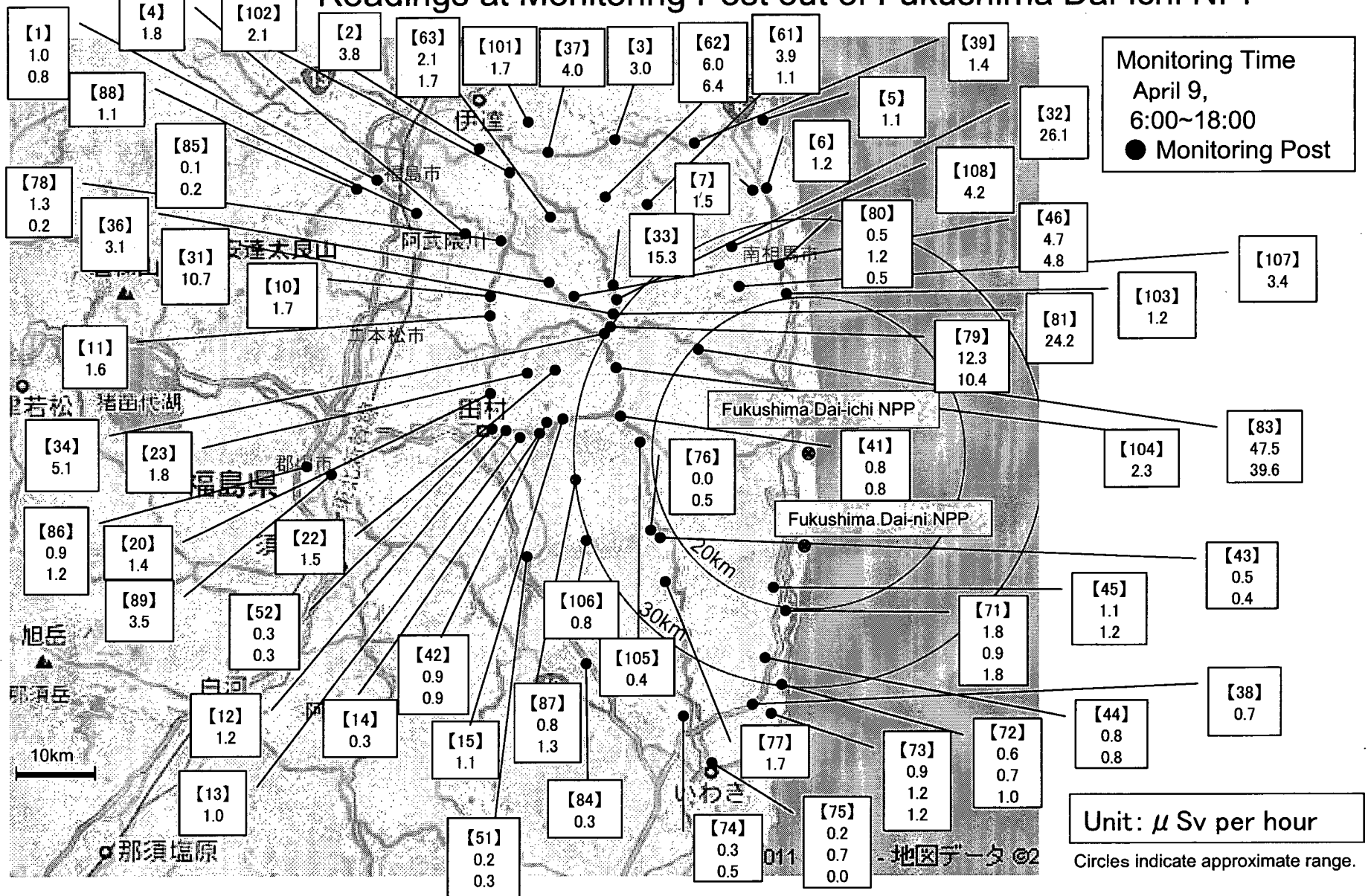
- \* 1 measured by Geiger-Müller counter
- \* 2 measured by ionization chamber type survey meter
- \* 3 measured by NaI scintillator detector
- \* 4 variation range of the measuring data in measuring time

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$ )	測定位置	Weather	Reading by
Reading Point 【31】 (About30kmWest/North/West)	2011/4/10 10:00	12.8 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	No Rain	MEXT
Reading Point 【32】 (About30kmNorth/West)	2011/4/10 10:38	25.2 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	No Rain	MEXT
Reading Point 【33】 (About30kmNorth/West)	2011/4/10 11:08	18.7 *2	N: 37° 36' 34.6" E: 140° 45' 09.1"	No Rain	MEXT
Reading Point 【36】 (About40kmNorth/West)	2011/4/10 9:38	4.6 *2	N: 37° 36' 20.6" E: 140° 37' 58.9"	No Rain	MEXT
Reading Point 【37】 (About50kmNorth/West )	2011/4/10 9:40	3.0 *2	N: 37° 45' 06.7" E: 140° 41' 29.2"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【38】 (About35kmSouth)	2011/4/10 11:20	0.4 *2	N: 37° 07' 18.4" E: 140° 57' 03.8"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【39】 (About45kmNorth)	2011/4/10 10:10	0.9 *2	N: 37° 45' 52.7" E: 140° 51' 47.1"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【71】 (About25kmSouth)	2011/4/10 12:23	0.6 *2	N: 37° 12' 32.4" E: 140° 57' 08.2"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【71】 (About25kmSouth)	2011/4/10 7:50	0.8 *2	N: 37° 12' 32.4" E: 140° 57' 08.2"	No Rain	Police ( counter NBC operations unit )
Reading Point 【72】 (About30kmSouth)	2011/4/10 12:08	0.5 *2		No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【72】 (About30kmSouth)	2011/4/10 8:24	0.3 *2		No Rain	Police ( counter NBC operations unit )
Reading Point 【73】 (About35kmSouth)	2011/4/10 8:41	0.3 *2		No Rain	Police ( counter NBC operations unit )
Reading Point 【74】 (About35kmSouth)	2011/4/10 12:22	0.2 *2		No Rain	Police ( counter NBC operations unit )
Reading Point 【74】 (About35kmSouth)	2011/4/10 10:55	0.5 *2		No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【75】 (About45kmSouth)	2011/4/10 10:33	0.5 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【75】 (About45kmSouth)	2011/4/10 7:00	0.2 *2		No Rain	Police ( counter NBC operations unit )
Reading Point 【76】 (About20kmSouth/West)	2011/4/10 12:17	0.9 *2	N: 37° 20' 25.3" E: 140° 48' 25.7"	No Rain	MEXT
Reading Point 【76】 (About20kmSouth/West)	2011/4/10 11:38	1.8 *2	N: 37° 20' 25.3" E: 140° 48' 25.7"	No Rain	Police ( counter NBC operations unit )
Reading Point 【77】 (About25kmSouth/West)	2011/4/10 11:18	0.2 *2		No Rain	Police ( counter NBC operations unit )
Reading Point 【78】 (About45kmNorth/West)	2011/4/10 7:00	1.0 *2		No Rain	Police ( counter NBC operations unit )
Reading Point 【80】 (About25kmNorth)	2011/4/10 11:29	0.9 *2	N: 37° 33' 22.2" E: 140° 45' 46.9"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【80】 (About25kmNorth)	2011/4/10 8:13	0.2 *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
- \* 4 variation range of the measuring data in measuring time

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$ )	測定位置	Weather	Reading by
Reading Point 【84】 (About40kmSouth/West)	2011/4/10 9:55	0.2 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【85】 (About60kmNorth/West)	2011/4/10 6:00	0.4 *2	N: 37° 42' 45.0" E: 140° 22' 59.0"	No Rain	Ministry of Defense
Reading Point 【86】 (About55kmWest)	2011/4/10 6:00	0.9 *2	N: 37° 23' 57.0" E: 140° 19' 35.0"	No Rain	Ministry of Defense
Reading Point 【87】 (About30kmWest/South/West)	2011/4/10 6:00	1.6 *2	N: 37° 21' 42.0" E: 140° 42' 54.0"	Rain	Ministry of Defense
Reading Point 【101】 (About55kmNorth/West)	2011/4/10 9:19	1.5 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【102】 (About50kmNorth/West)	2011/4/10 13:49	1.2 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【103】 (About20kmNorth)	2011/4/10 12:19	0.5 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【105】 (About20kmWest)	2011/4/10 11:59	1.5 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	No Rain	MEXT
Reading Point 【106】 (About30kmSouth/West)	2011/4/10 12:45	1.2 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	No Rain	MEXT
Reading Point 【107】 (About25kmNorth/North/West)	2011/4/10 12:35	2.2 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【108】 (About30kmNorth/North/West)	2011/4/10 12:56	2.7 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	No Rain	JAEA (Japan Atomic Energy Agency)

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



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

As of 16:00 April 10, 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 : $\mu$ Sv / h)	Weather	Reading by
Reading Point 【1】 (About60kmNorth/West)	2011/4/10 8:30	0.3 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【2】 (About55kmNorth/West)	2011/4/10 8:53	2.6 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【3】 (About45kmNorth/West)	2011/4/10 9:47	2.9 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【4】 (About50kmNorth/West)	2011/4/10 9:14	1.9 *2	No Rain	MEXT
Reading Point 【5】 (About45kmNorth)	2011/4/10 10:24	0.6 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【6】 (About35kmNorth)	2011/4/10 10:49	1.2 *2	No Rain	JAEA (Japan Atomic Energy Agency)
<b>Reading Point 【7】 (About35kmNorth)</b>	<b>2011/4/10 11:01</b>	<b>0.7 *2</b>	<b>No Rain</b>	<b>JAEA (Japan Atomic Energy Agency)</b>
Reading Point 【10】 (About40kmNorth/West)	2011/4/10 9:27	1.6 *2	No Rain	MEXT
Reading Point 【11】 (About40kmNorth/West)	2011/4/10 9:35	1.9 *2	No Rain	MEXT
<b>Reading Point 【12】 (About40kmWest)</b>	<b>2011/4/10 11:15</b>	<b>1.2 *2</b>	<b>No Rain</b>	<b>MEXT</b>
<b>Reading Point 【13】 (About40kmWest)</b>	<b>2011/4/10 11:23</b>	<b>1.6 *2</b>	<b>No Rain</b>	<b>MEXT</b>
<b>Reading Point 【14】 (About35kmWest)</b>	<b>2011/4/10 11:29</b>	<b>0.8 *2</b>	<b>No Rain</b>	<b>MEXT</b>
<b>Reading Point 【15】 (About35kmWest)</b>	<b>2011/4/10 11:42</b>	<b>1.5 *2</b>	<b>No Rain</b>	<b>MEXT</b>
Reading Point 【20】 (About45kmNorth/West)	2011/4/10 9:58	1.6 *2	No Rain	MEXT

- \* 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 : $\mu$ Sv / h )	Weather	Reading by
Reading Point 【21】 (About30kmWest/North/West)	2011/4/10 10:24	5.9 *2	No Rain	MEXT
Reading Point 【22】 (About35kmWest/North/West)	2011/4/10 10:12	2.0 *2	No Rain	MEXT
Reading Point 【23】 (About35kmWest/North/West)	2011/4/10 10:50	1.4 *2	No Rain	MEXT
Reading Point 【31】 (About30kmWest/North/West)	2011/4/10 10:00	12.8 *2	No Rain	MEXT
Reading Point 【32】 (About30kmNorth/West)	2011/4/10 10:38	25.2 *2	No Rain	MEXT
Reading Point 【33】 ( <u>About30kmNorth/West</u> )	<u>2011/4/10 11:08</u>	<u>18.7</u> *2	<u>No Rain</u>	<u>MEXT</u>
Reading Point 【36】 (About40kmNorth/West)	2011/4/10 9:38	4.6 *2	No Rain	MEXT
Reading Point 【37】 (About50kmNorth/West )	2011/4/10 9:40	3.0 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【38】 ( <u>About35kmSouth</u> )	<u>2011/4/10 11:20</u>	<u>0.4</u> *2	<u>No Rain</u>	<u>JAEA (Japan Atomic Energy Agency)</u>
Reading Point 【39】 (About45kmNorth)	2011/4/10 10:10	0.9 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【71】 ( <u>About25kmSouth</u> )	<u>2011/4/10 12:23</u>	<u>0.6</u> *2	<u>No Rain</u>	<u>JAEA (Japan Atomic Energy Agency)</u>
Reading Point 【71】 ( <u>About25kmSouth</u> )	<u>2011/4/10 7:50</u>	<u>0.8</u> *2	<u>No Rain</u>	<u>Police ( counter NBC operations unit )</u>
Reading Point 【72】 ( <u>About30kmSouth</u> )	<u>2011/4/10 12:08</u>	<u>0.5</u> *2	<u>No Rain</u>	<u>JAEA (Japan Atomic Energy Agency)</u>
Reading Point 【72】 ( <u>About30kmSouth</u> )	<u>2011/4/10 8:24</u>	<u>0.3</u> *2	<u>No Rain</u>	<u>Police ( counter NBC operations unit )</u>
Reading Point 【73】 ( <u>About35kmSouth</u> )	<u>2011/4/10 8:41</u>	<u>0.3</u> *2	<u>No Rain</u>	<u>Police ( counter NBC operations unit )</u>
Reading Point 【74】 ( <u>About35kmSouth</u> )	<u>2011/4/10 12:22</u>	<u>0.2</u> *2	<u>No Rain</u>	<u>Police ( counter NBC operations unit )</u>
Reading Point 【74】 (About35kmSouth)	2011/4/10 10:55	0.5 *2	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【75】 (About45kmSouth)	2011/4/10 10:33	0.5 *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
- \* 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 【75】 (About45kmSouth)	2011/4/10 7:00	0.2 * <sub>2</sub>	No Rain	Police ( counter NBC operations unit )
Reading Point 【76】 (About20kmSouth/West)	2011/4/10 12:17	0.9 * <sub>2</sub>	No Rain	MEXT
Reading Point 【76】 (About20kmSouth/West)	2011/4/10 11:38	1.8 * <sub>2</sub>	No Rain	Police ( counter NBC operations unit )
Reading Point 【77】 (About25kmSouth/West)	2011/4/10 11:18	0.2 * <sub>2</sub>	No Rain	Police ( counter NBC operations unit )
Reading Point 【78】 (About45kmNorth/West)	2011/4/10 7:00	1.0 * <sub>2</sub>	No Rain	Police ( counter NBC operations unit )
Reading Point 【80】 (About25kmNorth)	2011/4/10 11:29	0.9 * <sub>2</sub>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【80】 (About25kmNorth)	2011/4/10 8:13	0.2 * <sub>2</sub>	No Rain	Police ( counter NBC operations unit )
Reading Point 【84】 (About40kmSouth/West)	2011/4/10 9:55	0.2 * <sub>2</sub>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【85】 (About60kmNorth/West)	2011/4/10 6:00	0.4 * <sub>2</sub>	No Rain	Ministry of Defense
Reading Point 【86】 (About55kmWest)	2011/4/10 6:00	0.9 * <sub>2</sub>	No Rain	Ministry of Defense
Reading Point 【87】 (About30kmWest/South/West)	2011/4/10 6:00	1.6 * <sub>2</sub>	Rain	Ministry of Defense
Reading Point 【101】 (About55kmNorth/West)	2011/4/10 9:19	1.5 * <sub>2</sub>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【102】 (About50kmNorth/West)	2011/4/10 13:49	1.2 * <sub>2</sub>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【103】 (About20kmNorth)	2011/4/10 12:19	0.5 * <sub>2</sub>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【105】 (About20kmWest)	2011/4/10 11:59	1.5 * <sub>2</sub>	No Rain	MEXT
Reading Point 【106】 (About30kmSouth/West)	2011/4/10 12:45	1.2 * <sub>2</sub>	No Rain	MEXT
Reading Point 【107】 (About25kmNorth/North/West)	2011/4/10 12:35	2.2 * <sub>2</sub>	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【108】 (About30kmNorth/North/West)	2011/4/10 12:56	2.7 * <sub>2</sub>	No Rain	JAEA (Japan Atomic Energy Agency)

福島第一原子力発電所の20km以遠の積算線量結果について

平成23年4月10日10時00分現在  
文部科学省

\*1 簡易型線量計(ポケット線量計)における値

場所(福島第1発電所からの距離)	設置日時	前回取得日時等 (x)	前回取得時 数値(a) (マイクロシー ベルト)	データ採取日時 (y)	積算数値(b) (マイクロシー ベルト)	経過時間 (z=y-x)	積算数値(c=b-a) (マイクロシーベルト)	測定位置	天候
測定エリア【31】(約30km西北西)	3月23日11時43分	4月8日11時00分	5977 <sup>*1</sup>	4月9日10時27分	6214 <sup>*1</sup>	23時間27分	237 <sup>*1</sup> (10.1 μSv/時)	N: 37° 33' 45.0" E: 140° 44' 49.9"	降雨有り
測定エリア【32】(約30km北西)	3月23日12時14分	4月8日11時20分	13400 <sup>*1</sup>	4月9日10時45分	13950 <sup>*1</sup>	23時間25分	550 <sup>*1</sup> (23.5 μSv/時)	N: 37° 35' 42.0" E: 140° 45' 14.5"	降雨有り
測定エリア【33】(約30km北西)	3月23日12時32分	4月8日11時35分	7838 <sup>*1</sup>	4月9日10時53分	8141 <sup>*1</sup>	23時間18分	303 <sup>*1</sup> (13.0 μSv/時)	N: 37° 36' 34.6" E: 140° 45' 09.1"	降雨有り
測定エリア【34】(約30km北西)	3月23日13時08分	4月8日12時26分	2779 <sup>*1</sup>	4月9日9時49分	2887 <sup>*1</sup>	21時間23分	108 <sup>*1</sup> (5.1 μSv/時)	N: 37° 33' 03.2" E: 140° 44' 28.6"	降雨有り
測定エリア【38】(約35km南)	3月31日16時23分	4月8日11時46分	216 <sup>*1</sup>	4月9日11時26分	227 <sup>*1</sup>	23時間40分	11 <sup>*1</sup> (0.5 μSv/時)	N: 37° 12' 52.5" E: 140° 59' 40.2"	降雨有り
測定エリア【71】(約25km南)	3月23日13時00分	4月8日13時05分	656 <sup>*1</sup>	4月9日12時43分	672 <sup>*1</sup>	23時間38分	16 <sup>*1</sup> (0.7 μSv/時)	N: 37° 12' 52.5" E: 140° 59' 40.2"	降雨有り
測定エリア【79】(約30km北西)	3月23日14時09分	4月8日11時56分	6301 <sup>*1</sup>	4月9日10時18分	6559 <sup>*1</sup>	22時間22分	258 <sup>*1</sup> (11.5 μSv/時)	N: 37° 47' 53.8" E: 140° 55' 24.7"	降雨有り
測定エリア【7】(約35km北)	3月23日12時06分	4月8日11時40分	384 <sup>*1</sup>	4月9日10時57分	400 <sup>*1</sup>	23時間17分	16 <sup>*1</sup> (0.7 μSv/時)	N: 37° 47' 53.8" E: 140° 55' 24.7"	降雨有り
測定エリア【1】(約60km北西)	3月24日15時20分	4月8日15時56分	414 <sup>*1</sup>	4月9日14時27分	477 <sup>*1</sup>	22時間31分	63 <sup>*1</sup> (2.8 μSv/時)	N: 37° 44' 45.2" E: 140° 28' 10.6"	降雨無し
測定エリア【15】(約35km西)	3月24日10時58分	4月8日11時00分	631 <sup>*1</sup>	4月9日11時40分	660 <sup>*1</sup>	24時間40分	29.0 <sup>*1</sup> (1.2 μSv/時)	N: 37° 27' 08.1" E: 140° 40' 39.7"	降雨有り
測定エリア【84】(約40km南西)	3月25日10時40分	4月8日10時04分	82 <sup>*1</sup>	4月9日10時03分	86 <sup>*1</sup>	23時間59分	4 <sup>*1</sup> (0.2 μSv/時)	N: 37° 12' 52.5" E: 140° 59' 40.2"	降雨有り
測定エリア【39】(約45km北)	4月1日10時45分	4月8日10時47分	130 <sup>*1</sup>	4月9日10時18分	145 <sup>*1</sup>	23時間31分	15 <sup>*1</sup> (0.6 μSv/時)	N: 37° 45' 52.7" E: 140° 51' 47.1"	降雨有り
測定エリア【76】(約20km南西)	4月2日11時35分	4月8日11時41分	77 <sup>*1</sup>	4月9日10時55分	90 <sup>*1</sup>	23時間14分	13 <sup>*1</sup> (0.6 μSv/時)	N: 37° 45' 52.7" E: 140° 51' 47.1"	降雨有り
測定エリア【80】(約25km北)	4月3日11時56分	4月8日12時19分	75 <sup>*1</sup>	4月9日11時25分	88 <sup>*1</sup>	23時間06分	13 <sup>*1</sup> (0.6 μSv/時)	N: 37° 45' 52.7" E: 140° 51' 47.1"	降雨有り

注) 積算数値の括弧書きは、積算数値を経過時間で割った値(c/z)である。

- ・測定者: 文部科学省
- ・前回取得時数値が0.0と表示のものは新規に設置した箇所を示す。

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

As of 10:00 April 10, 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 : $\mu$ Sv / h)	測定位置			測定位置 の備考	Weather	Reading by
			N	E	Reading			
Reading Point <b>[1]</b> (About60kmNorth/West)	2011/4/9 16:27	1.0 * <b>2</b>	N: 37° 44' 12.6"	E: 140° 28' 02.9"	20110330 確認	Rain	MEXT	
Reading Point <b>[1]</b> (About60kmNorth/West)	2011/4/9 8:35	0.8 * <b>2</b>	N: 37° 44' 12.6"	E: 140° 28' 02.9"	20110330 確認	Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point <b>[2]</b> (About55kmNorth/West)	2011/4/9 9:03	3.8 * <b>2</b>	N: 37° 41' 12.7"	E: 140° 33' 29.3"	20110330 確認	Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point <b>[3]</b> (About45kmNorth/West)	2011/4/9 9:54	3.0 * <b>2</b>	N: 37° 45' 40.5"	E: 140° 44' 19.9"	20110330 確認	Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point <b>[4]</b> (About50kmNorth/West)	2011/4/9 15:10	1.8 * <b>2</b>	N: 37° 39' 30.0"	E: 140° 35' 54.0"	20110330 確認	Rain	MEXT	
Reading Point <b>[5]</b> (About45kmNorth)	2011/4/9 10:32	1.1 * <b>2</b>	N: 37° 47' 17.4"	E: 140° 55' 59.1"	20110330 確認	Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point <b>[6]</b> (About35kmNorth)	2011/4/9 10:49	1.2 * <b>2</b>	N: 37° 42' 09.5"	E: 140° 58' 04.6"	20110330 確認	Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point <b>[7]</b> (About35kmNorth)	2011/4/9 10:56	1.5 * <b>2</b>	N: 37° 41' 49.0"	E: 140° 57' 57.7"	20110330 確認	Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point <b>[10]</b> (About40kmNorth/West)	2011/4/9 14:54	1.7 * <b>2</b>	N: 37° 36' 02.9"	E: 140° 35' 07.3"	20110403 確認	No Rain	MEXT	
Reading Point <b>[11]</b> (About40kmNorth/West)	2011/4/9 14:41	1.6 * <b>2</b>	N: 37° 34' 00.0"	E: 140° 34' 48.0"	20110330 確認	Rain	MEXT	
Reading Point <b>[12]</b> (About40kmWest)	2011/4/9 12:15	1.2 * <b>2</b>	N: 37° 25' 53.6"	E: 140° 35' 44.2"	20110330 確認	Rain	MEXT	
Reading Point <b>[13]</b> (About40kmWest)	2011/4/9 12:04	1.0 * <b>2</b>	N: 37° 26' 21.5"	E: 140° 37' 20.7"	20110330 確認	Rain	MEXT	
Reading Point <b>[14]</b> (About35kmWest)	2011/4/9 11:54	0.3 * <b>2</b>	N: 37° 26' 09.4"	E: 140° 38' 49.5"	20110330 確認	Rain	MEXT	
Reading Point <b>[15]</b> (About35kmWest)	2011/4/9 11:45	1.1 * <b>2</b>	N: 37° 26' 54.0"	E: 140° 40' 53.2"	20110330 確認	Rain	MEXT	
Reading Point <b>[20]</b> (About45kmNorth/West)	2011/4/9 12:39	1.4 * <b>2</b>	N: 37° 29' 24.2"	E: 140° 34' 54.2"	20110330 確認	Rain	MEXT	
Reading Point <b>[22]</b> (About35kmWest/North/West)	2011/4/9 12:55	1.5 * <b>2</b>	N: 37° 30' 41.3"	E: 140° 39' 28.8"	20110330 確認	Rain	MEXT	
Reading Point <b>[23]</b> (About35kmWest/North/West)	2011/4/9 12:48	1.8 * <b>2</b>	N: 37° 30' 18.9"	E: 140° 34' 40.6"	20110330 確認	Rain	MEXT	
Reading Point <b>[31]</b> (About20kmWest/North/West)	2011/4/9 10:23	10.7 * <b>2</b>	N: 37° 33' 03.2"	E: 140° 44' 25.0"	20110330 確認	Rain	MEXT	
Reading Point <b>[32]</b> (About30kmNorth/West)	2011/4/9 10:43	26.1 * <b>2</b>	N: 37° 33' 03.2"	E: 140° 44' 25.0"	20110330 確認	Rain	MEXT	

- \* 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 : $\mu\text{Sv} / \text{h}$ )	測定位置	測定位置 の備考	Weather	Reading by
Reading Point 【33】 (About30kmNorth/West)	2011/4/9 10:51	15.3 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	20110330 確認	Rain	MEXT
Reading Point 【34】 (About30kmNorth/West)	2011/4/9 9:47	5.1 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	20110330 確認	Rain	MEXT
Reading Point 【36】 (About40kmNorth/West)	2011/4/9 11:38	3.1 *2	N: 37° 36' 20.6" E: 140° 37' 58.9"	20110331 確認	Rain	MEXT
Reading Point 【37】 (About50kmNorth/West)	2011/4/9 9:46	4.0 *2	N: 37° 45' 06.7" E: 140° 41' 29.2"	20110402 確認	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【38】 (About35kmSouth)	2011/4/9 11:26	0.7 *2	N: 37° 07' 18.4" E: 140° 57' 03.8"	20110401 確認	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【39】 (About45kmNorth)	2011/4/9 10:16	1.4 *2	N: 37° 45' 52.7" E: 140° 51' 47.1"	20110402 確認	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【41】 (About20kmWest)	2011/4/9 13:40	0.8 *2			Rain	Electric power company
Reading Point 【41】 (About20kmWest)	2011/4/9 9:55	0.8 *2			Rain	Electric power company
Reading Point 【42】 (About30kmWest)	2011/4/9 13:00	0.9 *2			Rain	Electric power company
Reading Point 【42】 (About30kmWest)	2011/4/9 9:43	0.9 *2			Rain	Electric power company
Reading Point 【43】 (About20kmSouth/West)	2011/4/9 15:00	0.5 *2			Rain	Electric power company
Reading Point 【43】 (About20kmSouth/West)	2011/4/9 11:00	0.4 *2			Rain	Electric power company
Reading Point 【44】 (About30kmSouth)	2011/4/9 13:00	0.8 *2			Rain	Electric power company
Reading Point 【44】 (About30kmSouth)	2011/4/9 10:00	0.8 *2			Rain	Electric power company
Reading Point 【45】 (About20kmSouth)	2011/4/9 13:07	1.1 *2			Rain	Electric power company
Reading Point 【45】 (About20kmSouth)	2011/4/9 10:07	1.2 *2			Rain	Electric power company
Reading Point 【46】 (About30kmNorth/West)	2011/4/9 13:55	4.7 *2			Rain	Electric power company
Reading Point 【46】 (About30kmNorth/West)	2011/4/9 10:30	4.8 *2			Rain	Electric power company
Reading Point 【51】 (About40kmSouth/West)	2011/4/9 13:56	0.2 *3			Rain	Fukushima Prefecture
Reading Point 【51】 (About40kmSouth/West)	2011/4/9 10:48	0.3 *3			Rain	Fukushima Prefecture
Reading Point 【52】 (About40kmWest)	2011/4/9 14:30	0.3 *3			Rain	Fukushima Prefecture
Reading Point 【52】 (About40kmWest)	2011/4/9 11:16	0.3 *3			Rain	Fukushima Prefecture
Reading Point 【61】 (About40kmNorth/West)	2011/4/9 14:20	3.9 *3			Rain	Fukushima Prefecture

- \* 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 : $\mu$ Sv / h )	測定位置	測定位置 の備考	Weather	Reading by
Reading Point 【61】 (About40kmNorth/West)	2011/4/9 12:16	1.1 * <sup>3</sup>			Rain	Fukushima Prefecture
Reading Point 【62】 (About40kmNorth/West)	2011/4/9 14:31	6.0 * <sup>3</sup>			Rain	Fukushima Prefecture
Reading Point 【62】 (About40kmNorth/West)	2011/4/9 12:06	6.4 * <sup>3</sup>			Rain	Fukushima Prefecture
Reading Point 【63】 (About45kmNorth/West)	2011/4/9 14:57	2.1 * <sup>3</sup>			Rain	Fukushima Prefecture
Reading Point 【63】 (About45kmNorth/West)	2011/4/9 11:03	1.7 * <sup>3</sup>			Rain	Fukushima Prefecture
Reading Point 【71】 (About25kmSouth)	2011/4/9 15:30	1.8 * <sup>2</sup>	N: 37° 12' 32.4" E: 140° 57' 08.2"	20110323 確認	Rain	Police ( counter NBC operations unit )
Reading Point 【71】 (About25kmSouth)	2011/4/9 12:43	0.9 * <sup>2</sup>	N: 37° 12' 32.4" E: 140° 57' 08.2"	20110323 確認	Rain	JAEA ( Japan Atomic Energy Agency )
Reading Point 【71】 (About25kmSouth)	2011/4/9 8:03	1.8 * <sup>2</sup>	N: 37° 12' 32.4" E: 140° 57' 08.2"	20110323 確認	Rain	Police ( counter NBC operations unit )
Reading Point 【72】 (About30kmSouth)	2011/4/9 16:05	0.6 * <sup>2</sup>			Rain	Police ( counter NBC operations unit )
Reading Point 【72】 (About30kmSouth)	2011/4/9 12:30	0.7 * <sup>2</sup>			Rain	JAEA ( Japan Atomic Energy Agency )
Reading Point 【72】 (About30kmSouth)	2011/4/9 8:36	1.0 * <sup>2</sup>			Rain	Police ( counter NBC operations unit )
Reading Point 【73】 (About35kmSouth)	2011/4/9 16:23	0.9 * <sup>2</sup>			Rain	Police ( counter NBC operations unit )
Reading Point 【73】 (About35kmSouth)	2011/4/9 12:11	1.2 * <sup>2</sup>			Rain	JAEA ( Japan Atomic Energy Agency )
Reading Point 【73】 (About35kmSouth)	2011/4/9 9:01	1.2 * <sup>2</sup>			Rain	Police ( counter NBC operations unit )
Reading Point 【74】 (About35kmSouth)	2011/4/9 12:53	0.3 * <sup>2</sup>			Rain	Police ( counter NBC operations unit )
Reading Point 【74】 (About35kmSouth)	2011/4/9 11:04	0.5 * <sup>2</sup>			Rain	JAEA ( Japan Atomic Energy Agency )
Reading Point 【75】 (About45kmSouth)	2011/4/9 17:20	0.2 * <sup>2</sup>			Rain	Police ( counter NBC operations unit )
Reading Point 【75】 (About45kmSouth)	2011/4/9 10:39	0.7 * <sup>2</sup>	N: 37° 33' 03.2" E: 140° 44' 25.0"	20110330 確認	Rain	JAEA ( Japan Atomic Energy Agency )
Reading Point 【75】 (About45kmSouth)	2011/4/9 7:13	0.0 * <sup>2</sup>			Rain	Police ( counter NBC operations unit )
Reading Point 【76】 (About20kmSouth/West)	2011/4/9 11:41	0.0 * <sup>2</sup>	N: 37° 20' 25.3" E: 140° 48' 25.7"	20110402 確認	Rain	Police ( counter NBC operations unit )
Reading Point 【76】 (About20kmSouth/West)	2011/4/9 10:50	0.5 * <sup>2</sup>	N: 37° 20' 25.3" E: 140° 48' 25.7"	20110402 確認	Rain	MEXT
Reading Point 【77】 (About25kmSouth/West)	2011/4/9 12:01	1.7 * <sup>2</sup>			Rain	Police ( counter NBC operations unit )
Reading Point 【78】 (About45kmNorth/West)	2011/4/9 18:27	1.3 * <sup>2</sup>			Rain	Police ( counter NBC operations unit )

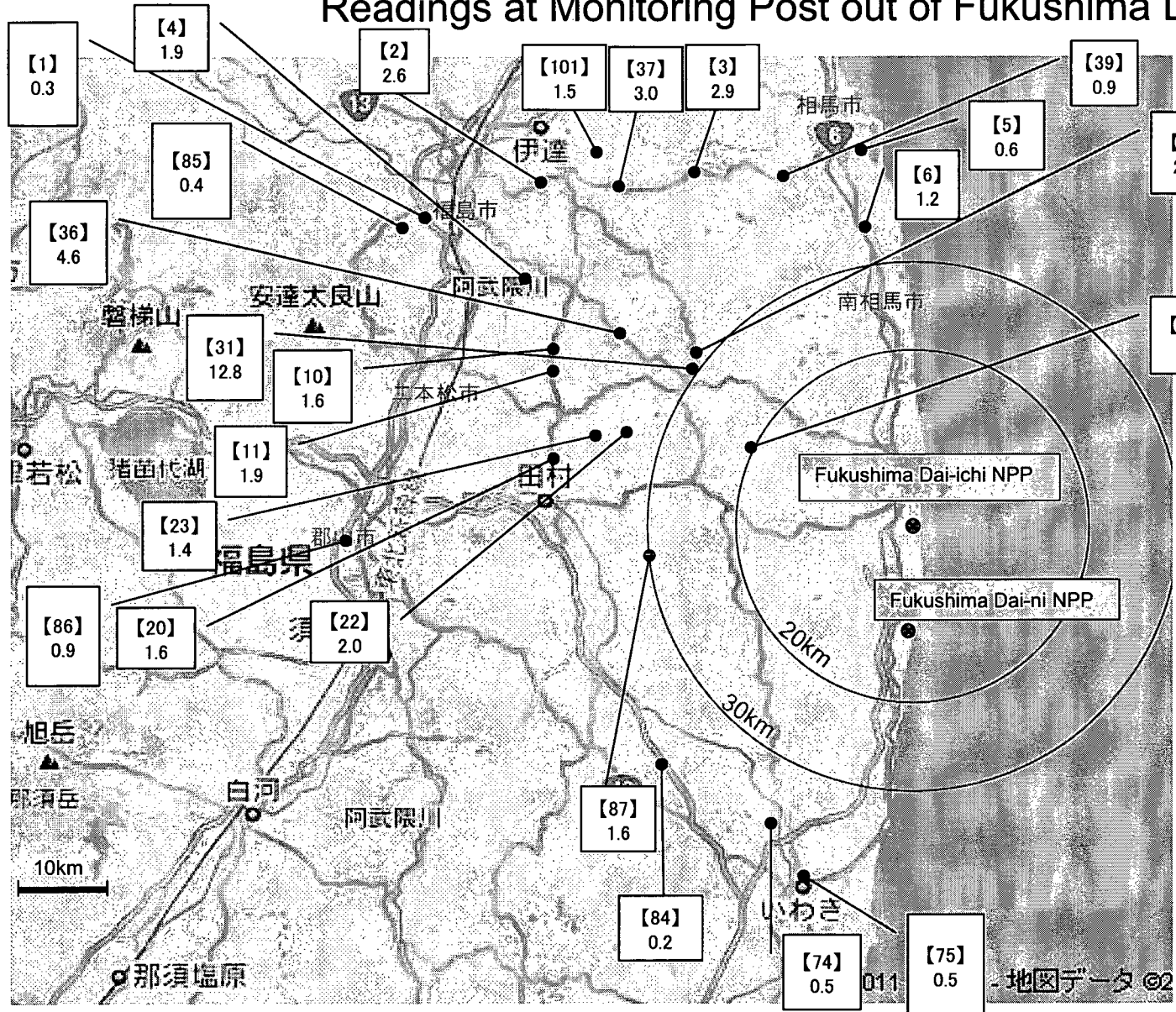
- \* 1 measured by Geiger-Müller counter
- \* 2 measured by ionization chamber type survey meter
- \* 3 measured by NaI scintillator detector
- \* 4 variation range of the measuring data in measuring time

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$ )	測定位置	測定位置 の備考	Weather	Reading by
Reading Point 【78】 (About45kmNorth/West)	2011/4/9 8:00	0.2 *2			Rain	Police ( counter NBC operations unit )
Reading Point 【79】 (About30kmNorth/West)	2011/4/9 10:16	12.3 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	20110330 確認	Rain	MEXT
Reading Point 【79】 (About30kmNorth/West)	2011/4/9 8:49	10.4 *2	N: 37° 33' 22.2" E: 140° 45' 46.9"	20110323 確認	Rain	Police ( counter NBC operations unit )
<b>Reading Point 【80】 (About25kmNorth)</b>	<b>2011/4/9 14:35</b>	<b>0.5 *2</b>			<b>Rain</b>	<b>Police ( counter NBC operations unit )</b>
Reading Point 【80】 (About25kmNorth)	2011/4/9 11:24	1.2 *2	N: 37° 33' 22.2" E: 140° 45' 46.9"	20110323 確認	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【80】 (About25kmNorth)	2011/4/9 11:05	0.5 *2			Rain	Police ( counter NBC operations unit )
Reading Point 【81】 (About30kmNorth/West)	2011/4/9 8:41	24.2 *2			Rain	Police ( counter NBC operations unit )
Reading Point 【83】 (About20kmNorth/West)	2011/4/9 10:02	47.5 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	20110330 確認	Rain	MEXT
Reading Point 【83】 (About20kmNorth/West)	2011/4/9 9:04	39.6 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	20110330 確認	Rain	Police ( counter NBC operations unit )
Reading Point 【84】 (About40kmSouth/West)	2011/4/9 10:03	0.3 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	20110330 確認	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【85】 (About60kmNorth/West)	2011/4/9 14:00	0.1 *2	N: 37° 42' 45.0" E: 140° 22' 59.0"	20110330 確認	No Rain	Ministry of Defense
Reading Point 【85】 (About60kmNorth/West)	2011/4/9 6:00	0.2 *2	N: 37° 42' 45.0" E: 140° 22' 59.0"	20110330 確認	No Rain	Ministry of Defense
Reading Point 【86】 (About55kmWest)	2011/4/9 14:00	0.9 *2	N: 37° 23' 57.0" E: 140° 19' 35.0"	20110330 確認	Rain	Ministry of Defense
Reading Point 【86】 (About55kmWest)	2011/4/9 6:00	1.2 *2	N: 37° 23' 57.0" E: 140° 19' 35.0"	20110330 確認	No Rain	Ministry of Defense
Reading Point 【87】 (About30kmWest/South/West)	2011/4/9 14:00	0.8 *2	N: 37° 21' 42.0" E: 140° 42' 54.0"	20110330 確認	Rain	Ministry of Defense
Reading Point 【87】 (About30kmWest/South/West)	2011/4/9 6:00	1.3 *2	N: 37° 21' 42.0" E: 140° 42' 54.0"	20110330 確認	Rain	Ministry of Defense
<b>Reading Point 【88】 (About55kmWest/North/West)</b>	<b>2011/4/9 12:00</b>	<b>1.1 *2</b>	N: 37° 41' 24.2" E: 140° 28' 17.4"	201100404 確認	<b>Rain</b>	<b>Ministry of Defense</b>
<b>Reading Point 【89】 (About60kmWest)</b>	<b>2011/4/9 12:00</b>	<b>3.5 *2</b>	N: 37° 23' 48.0" E: 140° 21' 50.7"	20110404 確認	<b>Rain</b>	<b>Ministry of Defense</b>
Reading Point 【101】 (About55kmNorth/West)	2011/4/9 9:25	1.7 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	20110404 確認	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【102】 (About50kmNorth/West)	2011/4/9 13:33	2.1 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	20110404 確認	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【103】 (About20kmNorth)	2011/4/9 11:45	1.2 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	20110404 確認	Rain	JAEA (Japan Atomic Energy Agency)
<b>Reading Point 【104】 (About25kmWest/North/West)</b>	<b>2011/4/9 7:30</b>	<b>2.3 *2</b>	N: 37° 23' 48.0" E: 140° 21' 50.7"	20110404 確認	<b>Rain</b>	<b>MEXT</b>
Reading Point 【105】 (About20kmWest)	2011/4/9 11:20	0.4 *2	N: 37° 23' 48.0" E: 140° 21' 50.7"	20110404 確認	Rain	MEXT

- \* 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 : $\mu\text{Sv} / \text{h}$ )	測定位置			測定位置 の備考	Weather	Reading by
Reading Point [106] (About30kmSouth/West)	2011/4/9 10:30	0.8 *2	N: 37°	23'	48.0''	20110404 確認	Rain	MEXT
			E: 140°	21'	50.7''			
Reading Point [107] (About25kmNorth/North/West)	2011/4/9 12:05	3.4 *2	N: 37°	23'	48.0''	20110404 確認	Rain	JAEA (Japan Atomic Energy Agency)
			E: 140°	21'	50.7''			
Reading Point [108] (About30kmNorth/North/West)	2011/4/9 12:43	4.2 *2	N: 37°	23'	48.0''	20110404 確認	Rain	JAEA (Japan Atomic Energy Agency)
			E: 140°	21'	50.7''			

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



Monitoring Time  
 April 10,  
 6:00~11:00  
 ● Monitoring Post

Unit:  $\mu\text{Sv per hour}$   
 Circles indicate approximate range.



Reading of environmental radioactivity level by prefecture

2011.4.10 13:00

( $\mu$  Sv/h)

	Prefecture(City)	4/9														Usual Value Band	
		9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23		23-24
1	Hokkaido(Sapporo)	0.029	0.029	0.028	0.029	0.028	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.02~0.105
2	Aomori(Aomori)	0.027	0.027	0.029	0.035	0.034	0.031	0.028	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.017~0.102
3	Iwate(Morioka)	0.031	0.032	0.031	0.030	0.029	0.027	0.025	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.014~0.084
4	Miyagi(Sendai)	0.088	0.086	0.084	0.084	0.085	0.085	0.085	0.084	0.083	0.083	0.082	0.082	0.082	0.082	0.081	0.0176~0.0513
5	Akita(Akita)	0.041	0.040	0.041	0.041	0.042	0.039	0.036	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.022~0.086
6	Yamagata(Yamagata)	0.060	0.059	0.059	0.059	0.058	0.057	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.025~0.082
7	Fukushima(Fukushima)	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	0.037~0.046
8	Ibaraki(Mito)	0.155	0.153	0.154	0.152	0.150	0.149	0.149	0.150	0.151	0.152	0.153	0.151	0.150	0.151	0.149	0.036~0.056
9	Tochigi(Utsunomiya)	0.080	0.080	0.080	0.079	0.077	0.077	0.078	0.077	0.075	0.075	0.075	0.074	0.074	0.074	0.074	0.030~0.067
10	Gunma(Maebashi)	0.044	0.043	0.043	0.043	0.043	0.044	0.043	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.017~0.049
11	Saitama(Saitama)	0.065	0.065	0.065	0.065	0.065	0.066	0.066	0.066	0.066	0.065	0.065	0.066	0.069	0.070	0.068	0.031~0.060
12	Chiba(Ishihara)	0.058	0.058	0.059	0.058	0.058	0.058	0.057	0.059	0.058	0.057	0.057	0.057	0.058	0.059	0.058	0.022~0.044
13	Tokyo(Shinjuku)	0.084	0.085	0.085	0.084	0.084	0.084	0.083	0.083	0.084	0.084	0.084	0.084	0.083	0.083	0.083	0.028~0.079
14	Kanagawa(Chigasaki)	0.060	0.061	0.061	0.061	0.061	0.059	0.058	0.058	0.058	0.058	0.059	0.059	0.059	0.059	0.059	0.035~0.069
15	Niigata(Niigata)	0.052	0.054	0.058	0.060	0.057	0.051	0.048	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.047	0.031~0.153
16	Toyama(Imizu)	0.051	0.053	0.050	0.048	0.047	0.047	0.047	0.047	0.047	0.047	0.048	0.047	0.048	0.048	0.048	0.029~0.147
17	Ishikawa(Kanazawa)	0.053	0.051	0.048	0.049	0.048	0.048	0.047	0.047	0.047	0.047	0.047	0.047	0.048	0.048	0.048	0.0291~0.1275
18	Fukui(Fukui)	0.052	0.050	0.047	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.046	0.046	0.032~0.097
19	Yamanashi(Kohu)	0.045	0.044	0.044	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.044	0.044	0.044	0.044	0.044	0.040~0.066
20	Nagano(Nagano)	0.045	0.044	0.043	0.045	0.048	0.046	0.043	0.042	0.042	0.042	0.043	0.043	0.043	0.042	0.043	0.0299~0.0974
21	Gifu(Kakamigahara)	0.064	0.062	0.061	0.061	0.060	0.061	0.060	0.060	0.060	0.060	0.060	0.060	0.061	0.060	0.061	0.057~0.110
22	Shizuoka(Shizuoka)	0.049	0.048	0.047	0.044	0.043	0.041	0.041	0.040	0.040	0.040	0.041	0.040	0.040	0.040	0.040	0.0281~0.0765
23	Aichi(Nagoya)	0.041	0.041	0.040	0.039	0.040	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.035~0.074
24	Mie(Yokkaichi)	0.047	0.047	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.0416~0.0789
25	Shiga(Otsu)	0.035	0.034	0.034	0.034	0.033	0.033	0.032	0.033	0.032	0.032	0.033	0.032	0.032	0.033	0.033	0.031~0.061
26	Kyoto(Kyoto)	0.040	0.038	0.038	0.038	0.038	0.037	0.038	0.037	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.033~0.087
27	Osaka(Osaka)	0.044	0.043	0.042	0.042	0.042	0.042	0.043	0.042	0.043	0.042	0.043	0.042	0.042	0.042	0.042	0.042~0.061
28	Hyogo(Kobe)	0.038	0.040	0.039	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.035~0.076
29	Nara(Nara)	0.054	0.050	0.048	0.048	0.047	0.048	0.048	0.047	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.046~0.080
30	Wakayama(Wakayama)	0.031	0.032	0.032	0.032	0.032	0.031	0.031	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.031	0.031~0.056
31	Tottori(Tohhaku)	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.062	0.063	0.063	0.063	0.064	0.064	0.036~0.110
32	Shimane(Matsue)	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.046	0.046	0.037~0.131
33	Okayama(Okayama)	0.049	0.049	0.048	0.049	0.049	0.049	0.048	0.048	0.048	0.049	0.048	0.048	0.049	0.048	0.048	0.043~0.104
34	Hiroshima(Hiroshima)	0.046	0.046	0.046	0.046	0.047	0.047	0.047	0.047	0.047	0.046	0.047	0.046	0.046	0.047	0.047	0.035~0.069
35	Yamaguchi(Yamaguchi)	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.091	0.091	0.091	0.092	0.092	0.084~0.128
36	Tokushima(Tokushima)	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.037~0.067
37	Kagawa(Takamastu)	0.062	0.062	0.054	0.056	0.060	0.059	0.053	0.055	0.059	0.059	0.053	0.057	0.062	0.060	0.054	0.051~0.077
38	Ehime(Matsuyama)	0.048	0.048	0.048	0.048	0.048	0.047	0.048	0.047	0.047	0.047	0.047	0.048	0.049	0.049	0.049	0.045~0.074
39	Kochi(Kochi)	0.026	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.026	0.026	0.026	0.026	0.019~0.054
40	Fukuoka(Dazaifu)	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.034~0.079
41	Saga(Saga)	0.040	0.040	0.040	0.040	0.040	0.039	0.039	0.039	0.039	0.039	0.040	0.040	0.040	0.040	0.040	0.037~0.086
42	Nagasaki(Ohmura)	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.027~0.069
43	Kumamoto(Uto)	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.021~0.067
44	Oita(Oita)	0.049	0.050	0.050	0.049	0.049	0.049	0.050	0.049	0.049	0.049	0.049	0.049	0.050	0.050	0.050	0.048~0.085
45	Miyazaki(Miyazaki)	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.0243~0.0664
46	Kagoshima(Kagoshima)	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.0306~0.0943
47	Okinawa(Uruma)	0.021	0.021	0.021	0.020	0.020	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.0133~0.0575

\*Figures for Miyagi Prefecture are measured by transportable monitoring post.

Moreover, the value of the fixed mount type monitoring post set up in Sendai City is described about the range of the value ordinary of the past.

\*In Fukushima Prefecture, the monitoring post in Futaba-gun is located at an evacuated area, since it is difficult to measure, figures were measured in Momijiyama (Fukushima City) as an alternative.

\* In Shimane Prefecture, readings are measured by alternative machine from 5pm on April 4 because of setting up the equipment.

\*These figures are estimated as  $1 \mu$  Gy/h= $1 \mu$  Sv/h.

\*The table was made by MEXT, based on the reports from prefectures.

Usual value band means a range of the maximum and minimum value observed before the earthquake.

\*The data, usual value band of Gunma Pref., Yamanashi Pref. and Kouchi Pref., are corrected from the version released on April 9 19:00.

Reading of environmental radioactivity level by prefecture

2011.4.10 13:00

( $\mu$  Sv/h)

	Prefecture(City)	4/10									Usual Value Band
		0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	
1	Hokkaido(Sapporo)	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.02~0.105
2	Aomori(Aomori)	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.017~0.102
3	Iwate(Morioka)	0.025	0.025	0.024	0.025	0.025	0.026	0.026	0.026	0.025	0.014~0.084
4	Miyagi(Sendai)	0.082	0.081	0.080	0.080	0.079	0.078	0.078	0.081	0.084	0.0176~0.0513
5	Akita(Akita)	0.035	0.035	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.022~0.086
6	Yamagata(Yamagata)	0.056	0.056	0.056	0.057	0.056	0.057	0.057	0.056	0.056	0.025~0.082
7	Fukushima(Fukushima)	2.200	2.200	2.200	2.100	2.100	2.200	2.200	2.200	2.200	0.037~0.046
8	Ibaraki(Mito)	0.147	0.147	0.149	0.147	0.148	0.150	0.149	0.150	0.149	0.036~0.056
9	Tochigi(Utsunomiya)	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.075	0.075	0.030~0.067
10	Gunma(Maebashi)	0.042	0.042	0.042	0.042	0.043	0.042	0.042	0.042	0.042	0.017~0.049
11	Saitama(Saitama)	0.066	0.065	0.065	0.065	0.064	0.064	0.064	0.065	0.064	0.031~0.060
12	Chiba(Ishihara)	0.057	0.057	0.057	0.059	0.058	0.058	0.058	0.057	0.057	0.022~0.044
13	Tokyo(Shinjuku)	0.083	0.083	0.083	0.083	0.083	0.083	0.082	0.083	0.083	0.028~0.079
14	Kanagawa(Chigasaki)	0.059	0.059	0.059	0.059	0.059	0.059	0.058	0.058	0.058	0.035~0.069
15	Niigata(Niigata)	0.047	0.048	0.048	0.048	0.048	0.048	0.047	0.048	0.047	0.031~0.153
16	Toyama(Imizu)	0.048	0.048	0.048	0.049	0.049	0.048	0.049	0.049	0.049	0.029~0.147
17	Ishikawa(Kanazawa)	0.048	0.047	0.048	0.047	0.048	0.047	0.048	0.048	0.047	0.0291~0.1275
18	Fuku(Fuku)	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.032~0.097
19	Yamanashi(Kohu)	0.044	0.044	0.044	0.044	0.045	0.044	0.045	0.044	0.044	0.040~0.066
20	Nagano(Nagano)	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.0299~0.0974
21	Gifu(Kakamigahara)	0.061	0.060	0.061	0.061	0.061	0.062	0.061	0.062	0.062	0.057~0.110
22	Shizuoka(Shizuoka)	0.040	0.039	0.039	0.039	0.039	0.038	0.039	0.039	0.040	0.0281~0.0765
23	Aichi(Nagoya)	0.039	0.039	0.039	0.039	0.040	0.040	0.040	0.040	0.040	0.035~0.074
24	Mie(Yokkaichi)	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.0416~0.0789
25	Shiga(Otsu)	0.034	0.035	0.035	0.035	0.035	0.034	0.034	0.034	0.034	0.031~0.061
26	Kyoto(Kyoto)	0.038	0.038	0.038	0.038	0.038	0.038	0.039	0.039	0.039	0.033~0.087
27	Osaka(Osaka)	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.043	0.042	0.042~0.061
28	Hyogo(Kobe)	0.036	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.035~0.076
29	Nara(Nara)	0.048	0.048	0.048	0.049	0.048	0.049	0.049	0.048	0.048	0.046~0.080
30	Wakayama(Wakayama)	0.031	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.031~0.056
31	Tottori(Tohhaku)	0.063	0.063	0.064	0.064	0.063	0.063	0.063	0.063	0.063	0.036~0.110
32	Shimane(Matsue)	0.046	0.046	0.047	0.047	0.047	0.047	0.047	0.047	0.047	0.037~0.131
33	Okayama(Okayama)	0.049	0.049	0.050	0.050	0.051	0.051	0.051	0.051	0.050	0.043~0.104
34	Hiroshima(Hiroshima)	0.047	0.048	0.048	0.048	0.049	0.049	0.049	0.049	0.050	0.035~0.069
35	Yamaguchi(Yamaguchi)	0.092	0.093	0.093	0.094	0.094	0.094	0.094	0.095	0.095	0.084~0.128
36	Tokushima(Tokushima)	0.038	0.038	0.038	0.038	0.039	0.039	0.039	0.039	0.039	0.037~0.067
37	Kagawa(Takamastu)	0.058	0.063	0.062	0.055	0.061	0.068	0.065	0.056	0.059	0.051~0.077
38	Ehime(Matsuyama)	0.049	0.049	0.049	0.050	0.050	0.050	0.049	0.049	0.049	0.045~0.074
39	Kochi(Kochi)	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.019~0.054
40	Fukuoka(Dazaifu)	0.037	0.037	0.037	0.036	0.037	0.037	0.037	0.037	0.037	0.034~0.079
41	Saga(Saga)	0.040	0.040	0.040	0.041	0.041	0.041	0.041	0.041	0.040	0.037~0.086
42	Nagasaki(Ohmura)	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.027~0.069
43	Kumamoto(Uto)	0.027	0.027	0.028	0.028	0.028	0.029	0.029	0.029	0.029	0.021~0.067
44	Oita(Oita)	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.051	0.051	0.048~0.085
45	Miyazaki(Miyazaki)	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.0243~0.0664
46	Kagoshima(Kagoshima)	0.035	0.035	0.035	0.035	0.035	0.036	0.036	0.036	0.035	0.0306~0.0943
47	Okinawa(Uruma)	0.021	0.021	0.021	0.022	0.021	0.021	0.021	0.021	0.021	0.0133~0.0575

\*Figures for Miyagi Prefecture are measured by transportable monitoring post.

Moreover, the value of the fixed mount type monitoring post set up in Sendai City is described about the range of the value ordinary of the past.

\*In Fukushima Prefecture, the monitoring post in Futaba-gun is located at an evacuated area, since it is difficult to measure, figures were measured in Momijiyama (Fukushima City) as an alternative.

\* In Shimane Prefecture, readings are measured by alternative machine from 5pm on April 4 because of setting up the equipment.

\*These figures are estimated as  $1 \mu$  Gy/h= $1 \mu$  Sv/h.

\*The table was made by MEXT, based on the reports from prefectures.

Usual value band means a range of the maximum and minimum value observed before the earthquake.

\*The data, usual value band of Gunma Pref., Yamanashi Pref. and Kochi Pref., are corrected from the version released on April 9 19:00.

Readings of radioactivity level in drinking water by prefecture  
(be collected in April 9, 2011)

2011.4.10 13:00

(Bq/kg)

	Prefecture (City)	Drinking Water		Remarks
		I-131	Cs-134,Cs-137	
1	Hokkaido (Sapporo City)	Not Detectable	Not Detectable	
2	Aomori (Aomori City)	Not Detectable	Not Detectable	
3	Iwate (Morioka City)	Not Detectable	Not Detectable	
4	Miyagi	-	-	*Refer to the website of Miyagi Pref ( <a href="http://www.pref.miyagi.jp/gentai/Press/PressH230315.html">http://www.pref.miyagi.jp/gentai/Press/PressH230315.html</a> ) <a href="http://www.pref.miyagi.jp/gentai/Press/PressH230315.html">http://www.pref.miyagi.jp/gentai/Press/PressH230315.html</a> )
5	Akita (Akita City)	Not Detectable	Not Detectable	
6	Yamagata (Yamagata City)	Not Detectable	Not Detectable	
7	Fukushima	-	-	*Refer to the website of Fukushima Pref ( <a href="http://www.pref.fukushima.jp/index.htm">http://www.pref.fukushima.jp/index.htm</a> )
8	Ibaraki (Hitachinaka City)	1.3 (Under the reference value)	Not Detectable	
9	Tochigi (Utsunomiya City)	4.0 (Under the reference value)	3.7 (Under the reference value)	
10	Gunma (Maebashi City)	0.96 (Under the reference value)	Not Detectable	
11	Saitama (Saitama City)	0.79 (Under the reference value)	0.49 (Under the reference value)	
12	Chiba (Ichihara City)	Not Detectable	0.18 (Under the reference value)	
13	Tokyo (Shinjuku Ward)	1.0 (Under the reference value)	0.26 (Under the reference value)	
14	Kanagawa (Chigasaki City)	0.54 (Under the reference value)	Not Detectable	
15	Niigata (Niigata City)	0.32 (Under the reference value)	Not Detectable	
16	Toyama (Imizu City)	Not Detectable	Not Detectable	
17	Ishikawa (Kanazawa City)	Not Detectable	Not Detectable	
18	Fukui (Fukui City)	Not Detectable	Not Detectable	
19	Yamanashi (Kofu City)	Not Detectable	Not Detectable	
20	Nagano (Nagano City)	Not Detectable	Not Detectable	
21	Gifu (Kakamigahara City)	Not Detectable	Not Detectable	
22	Shizuoka (Shizuoka City)	Not Detectable	Not Detectable	
23	Aichi (Nagoya City)	Not Detectable	Not Detectable	
24	Mie (Yokkaichi City)	Not Detectable	Not Detectable	
25	Shiga (Otsu City)	Not Detectable	Not Detectable	
26	Kyoto (Kyoto City)	Not Detectable	Not Detectable	
27	Osaka (Osaka City)	Not Detectable	Not Detectable	
28	Hyogo (Kobe City)	Not Detectable	Not Detectable	
29	Nara (Nara City)	Not Detectable	Not Detectable	
30	Wakayama (Wakayama City)	Not Detectable	Not Detectable	
31	Tottori (Tohaku District)	Not Detectable	Not Detectable	
32	Shimane (Matsue City)	Not Detectable	Not Detectable	
33	Okayama (Okayama City)	Not Detectable	Not Detectable	
34	Hiroshima (Hiroshima City)	Not Detectable	Not Detectable	
35	Yamaguchi (Ube City)	Not Detectable	Not Detectable	
36	Tokushima (Tokushima City)	Not Detectable	Not Detectable	
37	Kagawa (Takamatsu City)	Not Detectable	Not Detectable	
38	Ehime (Yawatahama City)	Not Detectable	Not Detectable	
39	Kochi (Kochi City)	Not Detectable	Not Detectable	
40	Fukuoka (Dazaifu City)	Not Detectable	Not Detectable	
41	Saga (Saga City)	Not Detectable	Not Detectable	
42	Nagasaki (Omura City)	Not Detectable	Not Detectable	
43	Kumamoto (Uto City)	Not Detectable	Not Detectable	
44	Oita (Oita City)	Not Detectable	Not Detectable	
45	Miyazaki (Miyazaki City)	Not Detectable	Not Detectable	
46	Kagoshima (Kagoshima City)	Not Detectable	Not Detectable	
47	Okinawa (Naha City)	Not Detectable	Not Detectable	

\*These figures are estimated as 1Bq/liter = 1Bq/kg.

\*The table was made by MEXT, based on the reports from prefectures.

\*"Emergency Preparedness for Nuclear Facilities (The Nuclear Safety Commission of Japan)", The index of drinking water based on the indicator about the restriction of food intake, I-131: More than 300Bq/kg, Cs-137: More than 200Bq/kg

## Monitoring data at Ibaraki prefecture (1/1)

MEXT

2011/4/10 13:00

 $\mu$  Sv/h

Date	JAEA nuclear science research institute (Tokai-village in Ibaraki-prefecture)	JAEA Nuclear fuel cycle engineering laboratory (Tokai-village in Ibaraki-prefecture)	Yayoi in Tokyo University (Tokai-village in Ibaraki-prefecture)
4/9			
0:00	1.14	0.64	1.01
1:00	1.14	0.64	1.06
2:00	1.15	0.64	0.94
3:00	1.14	0.64	1.05
4:00	1.14	0.64	0.86
5:00	1.14	0.64	1.00
6:00	1.14	0.64	0.90
7:00	1.14	0.64	0.99
8:00	1.14	0.64	0.97
9:00	1.13	0.63	0.95
10:00	1.13	0.63	0.91
11:00	1.13	0.63	0.95
12:00	1.13	0.63	0.98
13:00	1.12	0.63	0.96
14:00	1.13	0.63	0.97
15:00	1.13	0.63	0.92
16:00	1.12	0.63	0.93
17:00	1.12	0.62	0.94
18:00	1.12	0.62	0.99
19:00	1.11	0.62	1.03
20:00	1.11	0.62	0.92
21:00	1.11	0.62	0.94
22:00	1.11	0.62	0.92
23:00	1.11	0.61	1.01
4/10			
0:00	1.11	0.61	0.99
1:00	1.11	0.61	0.91
2:00	1.11	0.62	1.04
3:00	1.11	0.62	0.95
4:00	1.11	0.61	0.97
5:00	1.11	0.62	0.92
6:00	1.11	0.62	0.98
7:00	1.12	0.62	0.90
8:00	1.11	0.62	0.93
9:00	1.12	0.62	1.00
10:00	1.11	0.62	
11:00	1.11	0.62	
12:00	1.11	0.61	

※The readings are measured once every hour from March 24th.

The readings of JAEA nuclear science research institute and JAEA Nuclear fuel cycle engineering laboratory are also put on their websites in below.

JAEA nuclear science research institute

<http://erms.jaea.go.jp/Chart.htm>

JAEA Nuclear fuel cycle engineering laboratory

[http://www.jaea.go.jp/04/ztokai/kankyo/realtime/tbl\\_10mStPo01.html](http://www.jaea.go.jp/04/ztokai/kankyo/realtime/tbl_10mStPo01.html)

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

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

\* 1 the readings are measured by pocket dosimeter

Monitoring Post (length from NPP)	Installation Date and Time	Date and Time (last monitoring) (x)	Readings (last monitoring) (a) ( $\mu$ Sv)	Monitoring Date and Time (y)	Reading of Integrated Dose (b) ( $\mu$ Sv)	Accumulated Time ( $z = y - x$ )	Reading of integrated Dose ( $c = b - a$ ) ( $\mu$ Sv)	Weather
Monitoring Post 【31】 (About30kmWest/North/West)	2011/3/23 11:43	2011/4/8 11:00	5977 *1	2011/4/9 10:27	6214 *1	23hour27minutes	$\frac{237}{10.1}$ (10.1 $\mu$ Sv/h)	Rain
Monitoring Post 【32】 (About30kmNorth/West)	2011/3/23 12:14	2011/4/8 11:20	13400 *1	2011/4/9 10:45	13950 *1	23hour25minutes	$\frac{550}{23.5}$ (23.5 $\mu$ Sv/h)	Rain
Monitoring Post 【33】 (About30kmNorth/West)	2011/3/23 12:32	2011/4/8 11:35	7838 *1	2011/4/9 10:53	8141 *1	23hour18minutes	$\frac{303}{13.0}$ (13.0 $\mu$ Sv/h)	Rain
Monitoring Post 【34】 (About30kmNorth/West)	2011/3/23 13:08	2011/4/8 12:26	2779 *1	2011/4/9 9:49	2887 *1	21hour23minutes	$\frac{108}{5.1}$ (5.1 $\mu$ Sv/h)	Rain
Monitoring Post 【38】 (About35kmSouth)	2011/3/31 16:23	2011/4/8 11:46	216 *1	2011/4/9 11:26	227 *1	23hour40minutes	$\frac{11}{0.5}$ (0.5 $\mu$ Sv/h)	Rain
Monitoring Post 【71】 (About25kmSouth)	2011/3/23 13:00	2011/4/8 13:05	656 *1	2011/4/9 12:43	672 *1	23hour38minutes	$\frac{16}{0.7}$ (0.7 $\mu$ Sv/h)	Rain
Monitoring Post 【79】 (About30kmNorth/West)	2011/3/23 14:09	2011/4/8 11:56	6301 *1	2011/4/9 10:18	6559 *1	22hour22minutes	$\frac{258}{11.5}$ (11.5 $\mu$ Sv/h)	Rain
Monitoring Post 【7】 (About35kmNorth)	2011/3/23 12:06	2011/4/8 11:40	384 *1	2011/4/9 10:57	400 *1	23hour17minutes	$\frac{16}{0.7}$ (0.7 $\mu$ Sv/h)	Rain
Monitoring Post 【1】 (About60kmNorth/West)	2011/3/24 15:20	2011/4/8 15:56	414 *1	2011/4/9 14:27	477 *1	22hour31minutes	$\frac{63}{2.8}$ (2.8 $\mu$ Sv/h)	No Rain
Monitoring Post 【15】 (About35kmWest)	2011/3/24 10:58	2011/4/8 11:00	631 *1	2011/4/9 11:40	660 *1	24hour40minutes	$\frac{29.0}{1.2}$ (1.2 $\mu$ Sv/h)	Rain
Monitoring Post 【84】 (About40kmSouth/West)	2011/3/25 10:40	2011/4/8 10:04	82 *1	2011/4/9 10:03	86 *1	23hour59minutes	$\frac{4}{0.2}$ (0.2 $\mu$ Sv/h)	Rain
Monitoring Post 【39】 (About45kmNorth)	2011/4/1 10:45	2011/4/8 10:47	130 *1	2011/4/9 10:18	145 *1	23hour31minutes	$\frac{15}{0.6}$ (0.6 $\mu$ Sv/h)	Rain
Monitoring Post 【76】 (About20kmSouth/West)	2011/4/2 11:35	2011/4/8 11:41	77 *1	2011/4/9 10:55	90 *1	23hour14minutes	$\frac{13}{0.6}$ (0.6 $\mu$ Sv/h)	Rain
Monitoring Post 【80】 (About25kmNorth)	2011/4/3 11:56	2011/4/8 12:19	75 *1	2011/4/9 11:25	88 *1	23hour06minutes	$\frac{13}{0.6}$ (0.6 $\mu$ Sv/h)	Rain

notes: The parenthetic figures in the column "Integrated Dose" indicates the values of readings of integrated dose divided by accumulated time ( $c/z$ ).

\* Reading by MEXT

\* The figures of 0.0 in the column "Date and Time (last monitoring)" indicate that there was new installation in the area.

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

As of 13:00 April 10, 2011  
Ministry of Education, Culture, Sports, Science and Technology (MEXT)

Monitoring Outputs by MEXT

- \* 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 : $\mu\text{Sv} / \text{h}$ )	測定位置			測定位置 の備考	Weather	Reading by
			N	E	Reading			
Reading Point 【1】 (About60kmNorth/West)	2011/4/10 8:30	0.3 *2	N: 37° 44' 12.6"	E: 140° 28' 02.9"	20110330 確認	No Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point 【2】 (About55kmNorth/West)	2011/4/10 8:53	2.6 *2	N: 37° 41' 12.7"	E: 140° 33' 29.3"	20110330 確認	No Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point 【3】 (About45kmNorth/West)	2011/4/10 9:47	2.9 *2	N: 37° 45' 40.5"	E: 140° 44' 19.9"	20110330 確認	No Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point 【4】 (About50kmNorth/West)	2011/4/10 9:14	1.9 *2	N: 37° 39' 30.0"	E: 140° 35' 54.0"	20110330 確認	No Rain	MEXT	
Reading Point 【5】 (About45kmNorth)	2011/4/10 10:24	0.6 *2	N: 37° 47' 17.4"	E: 140° 55' 59.1"	20110330 確認	No Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point 【6】 (About35kmNorth)	2011/4/10 10:49	1.2 *2	N: 37° 42' 09.5"	E: 140° 58' 04.6"	20110330 確認	No Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point 【10】 (About40kmNorth/West)	2011/4/10 9:27	1.6 *2	N: 37° 36' 02.9"	E: 140° 35' 07.3"	20110403 確認	No Rain	MEXT	
Reading Point 【11】 (About40kmNorth/West)	2011/4/10 9:35	1.9 *2	N: 37° 34' 00.0"	E: 140° 34' 48.0"	20110330 確認	No Rain	MEXT	
Reading Point 【20】 (About45kmNorth/West)	2011/4/10 9:58	1.6 *2	N: 37° 29' 24.2"	E: 140° 34' 54.2"	20110330 確認	No Rain	MEXT	
Reading Point 【21】 (About30kmWest/North/West)	2011/4/10 10:24	5.9 *2	N: 37° 30' 28.7"	E: 140° 42' 08.7"	20110330 確認	No Rain	MEXT	
Reading Point 【22】 (About35kmWest/North/West)	2011/4/10 10:12	2.0 *2	N: 37° 30' 41.3"	E: 140° 39' 28.8"	20110330 確認	No Rain	MEXT	
Reading Point 【23】 (About35kmWest/North/West)	2011/4/10 10:50	1.4 *2	N: 37° 30' 18.9"	E: 140° 34' 40.6"	20110330 確認	No Rain	MEXT	
Reading Point 【31】 (About30kmWest/North/West)	2011/4/10 10:00	12.8 *2	N: 37° 33' 03.2"	E: 140° 44' 25.0"	20110330 確認	No Rain	MEXT	
Reading Point 【32】 (About30kmNorth/West)	2011/4/10 10:38	25.2 *2	N: 37° 33' 03.2"	E: 140° 44' 25.0"	20110330 確認	No Rain	MEXT	
Reading Point 【36】 (About40kmNorth/West)	2011/4/10 9:38	4.6 *2	N: 37° 36' 20.6"	E: 140° 37' 58.9"	20110331 確認	No Rain	MEXT	
Reading Point 【37】 (About50kmNorth/West)	2011/4/10 9:40	3.0 *2	N: 37° 45' 06.7"	E: 140° 41' 29.2"	20110402 確認	No Rain	JAEA (Japan Atomic Energy Agency)	
Reading Point 【39】 (About45kmNorth)	2011/4/10 10:10	0.9 *2	N: 37° 45' 52.7"	E: 140° 51' 47.1"	20110402 確認	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
- \* 4 variation range of the measuring data in measuring time

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu\text{Sv} / \text{h}$ )	測定位置	測定位置 の備考	Weather	Reading by
Reading Point 【74】 (About35kmSouth)	2011/4/10 10:55	0.5 *2			No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【75】 (About45kmSouth)	2011/4/10 10:33	0.5 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	20110330 確認	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【84】 (About40kmSouth/West)	2011/4/10 9:55	0.2 *2	N: 37° 33' 03.2" E: 140° 44' 25.0"	20110330 確認	No Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【85】 (About60kmNorth/West)	2011/4/10 6:00	0.4 *2	N: 37° 42' 45.0" E: 140° 22' 59.0"	20110330 確認	No Rain	Ministry of Defence
Reading Point 【86】 (About55kmWest)	2011/4/10 6:00	0.9 *2	N: 37° 23' 57.0" E: 140° 19' 35.0"	20110330 確認	No Rain	Ministry of Defence
Reading Point 【87】 (About30kmWest/South/West)	2011/4/10 6:00	1.6 *2	N: 37° 21' 42.0" E: 140° 42' 54.0"	20110330 確認	Rain	Ministry of Defence
Reading Point 【101】 (About55kmNorth/West)	2011/4/10 9:19	1.5 *2	N: 37° 23' 48.0"	20110404 確認	No Rain	JAEA (Japan Atomic Energy Agency)
			E: 140° 21' 50.7"			

## Readings of dust sampling (1 / 2)

: the readings in this thick-frame box are new.

As of 10:00 April 10, 2011

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

Sampling Point	Sampling Time and Date	Radioactivity Concentration (Bq/m <sup>3</sup> )		Reading (μSv/h)	Monitoring Point by monitoring car
		<sup>131</sup> I	<sup>137</sup> Cs		
<b>【1-1】</b> (About45kmNorth/West)	3/23 10:45~10:55	4.0	1.2	5.5	<b>【3】</b>
<b>【1-2】</b> (About40kmNorth/West)	3/23 10:50~11:10	5.2	<1.2	9.0	<b>【36】</b>
<b>【1-3】</b> (About30kmWest/North/West)	3/23 13:54~14:17	8.0	<1.4	9.4	<b>【21】</b>
<b>【1-4】</b> (About35kmWest)	3/23 12:40~13:02	2.8	<1.1	2.3	<b>【15】</b>
<b>【1-4】</b> (About35kmWest) Survey1st	3/24 10:58~11:09	3.1	<0.99	2	
<b>【1-4】</b> (About35kmWest) Survey2nd	3/24 11:58~12:09	2.4	1.3	2.8	
<b>【1-4】</b> (About35kmWest) Survey3rd	3/24 12:58~13:09	2.5	<1.2	2.5	
<b>【1-4】</b> (About35kmWest) Survey4th	3/24 13:58~14:09	2.2	1.6	2.2	
<b>【1-4】</b> (About35kmWest) Survey5th	3/24 14:58~15:09	2.8	<1.2	2.5	
<b>【1-4】</b> (About35kmWest) Survey6th	3/24 15:58~16:09	2.1	<1.0	2.2	
<b>【1-5】</b> (About25kmSouth) Vehicle-Borne Survey1st	3/23 13:15~13:58	530.0	6.6	5.5~14.0	<b>【71】</b>
<b>【1-5】</b> (About25kmSouth) Vehicle-Borne Survey2nd	3/23 14:30~15:10	180.0	2.3	5.5~14.0	
<b>【1-5】</b> (About25kmSouth) Vehicle-Borne Survey3rd	3/23 15:20~15:59	110.0	2.1	5.5~14.0	
<b>【1-5】</b> (About25kmSouth) Vehicle-Borne Survey1st	3/24 10:06~10:44	5.9	<0.66	5.6	
<b>【1-5】</b> (About25kmSouth) Vehicle-Borne Survey2nd	3/24 10:53~11:33	9.2	<0.71	5.6	
<b>【1-5】</b> (About25kmSouth) Vehicle-Borne Survey3rd	3/24 11:44~12:26	12.0	1.1	5.6	
<b>【1-5】</b> (About25kmSouth) Vehicle-Borne	3/25 11:51~12:38	43.0	2.0	4.1~5.5	
<b>【1-5】</b> (About25kmSouth) Survey1st	3/25 13:12~13:42	23.0	1.4	2	
<b>【1-5】</b> (About25kmSouth) Survey2nd	3/25 14:12~14:42	19.0	1.3	2.8	
<b>【1-5】</b> (About25kmSouth) Survey3rd	3/25 15:12~15:42	24.0	2.5	2.5	
<b>【1-5】</b> (About25kmSouth) Survey4th	3/25 16:12~16:42	10.0	1.3	2.2	
<b>【1-5】</b> (About25kmSouth) Survey1st	3/26 12:47~13:21	13.0	1.3	3.9	
<b>【1-5】</b> (About25kmSouth) Survey2nd	3/26 14:21~14:57	10.0	1.5	3.9	
<b>【1-5】</b> (About25kmSouth) Vehicle-Borne Survey1st	3/27 12:36~13:26	20.0	0.8	2.8~3.8	
<b>【1-5】</b> (About25kmSouth) Survey1st	3/27 13:58~14:33	7.1	<0.98	3.8	
<b>【1-5】</b> (About25kmSouth) Survey2nd	3/27 15:33~16:08	6.6	<1.0	3.8	
<b>【1-5】</b> (About25kmSouth) Survey3rd	3/27 16:16~16:53	10.0	<1.1	3.8	
<b>【1-5】</b> (About25kmSouth) Vehicle-Borne Survey2nd	3/27 14:43~15:18	5.5	1.2	2.8~3.8	
<b>【1-5】</b> (About25kmSouth) Survey1st	3/28 9:48~13:03	6.6	0.57	3.0	
<b>【1-5】</b> (About25kmSouth) Survey2nd	3/28 13:23~14:07	54.0	8.0	3.0	



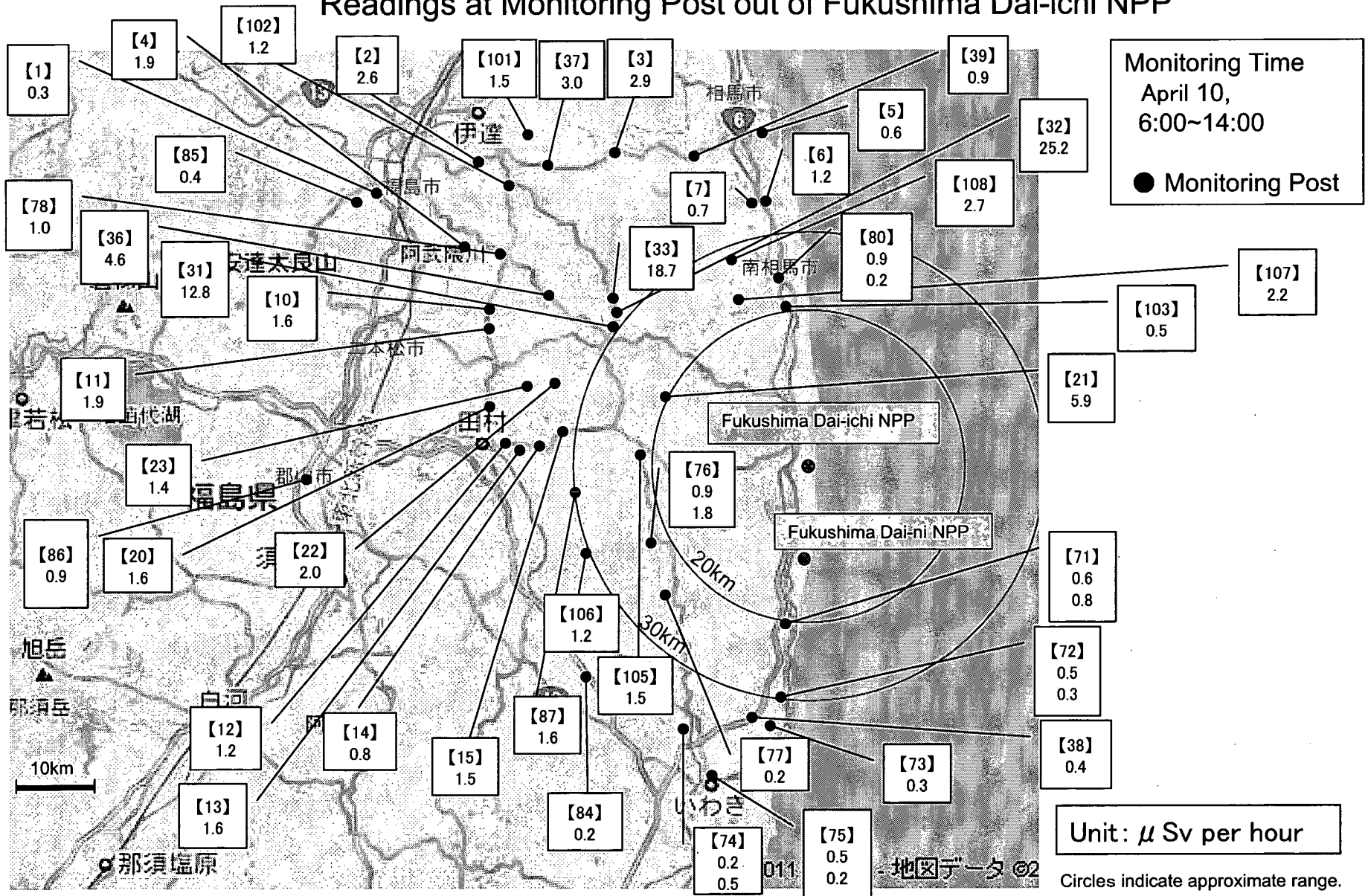
Sampling Point	Sampling Time and Date	Radioactivity Concentration(Bq/m3)		Reading ( $\mu$ Sv/h)	Monitoring Point by monitoring car
		$^{131}\text{I}$	$^{137}\text{Cs}$		
【1-5】(About25kmSouth) Survey3rd	3/28 14:18~15:19	20.0	3.0	3.0	
【1-5】(About25kmSouth) Survey1st	3/31 12:22~13:12	24.0	4.5	2.1	
【1-5】(About25kmSouth) Survey2nd	3/31 13:17~14:01	18.0	1.3	2.0	
【1-5】(About25kmSouth) Survey3rd	3/31 14:06~14:50	13.0	1.0	1.9	
【1-5】(About25kmSouth) Survey4th	3/31 15:00~15:44	13.0	<0.79	2.0	
【1-7】(About35kmNorth) Survey1st	3/25 12:58~13:09	3.5	<0.99	3.2	【7】
【1-7】(About35kmNorth) Survey2nd	3/25 13:58~14:09	4.3	1.6	3.2	
【1-7】(About35kmNorth) Survey3rd	3/25 14:57~15:08	15.0	<0.98	3.2	
【1-7】(About35kmNorth) Survey4th	3/25 15:58~16:09	22.0	1.1	3.2	
【1-7】(About35kmNorth) Survey5th	3/26 11:27~11:38	2.9	1.0	1.5	
【1-7】(About35kmNorth) Survey6th	3/26 13:00~13:11	2.2	1.3	1.5	
【1-8】(About45kmNorth) Survey1st	3/28 13:00~16:00	19.0	3.2	0.6~1.2	【5】

Sampling Point	Sampling Time and Date	Radioactivity Concentration(Bq/m3)		Reading ( $\mu$ Sv/h)	Monitoring Point by monitoring car	
		$^{131}\text{I}$	$^{137}\text{Cs}$			
【2-1】(About40kmNorth/West) Survey1st	3/29 12:50~13:45	4.2	0.73	7.0	【61】	
【2-1】(About40kmNorth/West) Survey2nd	3/29 13:49~14:46	3.4	0.79	7.0		
【2-1】(About40kmNorth/West) Survey3rd	3/29 14:47~15:50	2.9	<0.74	7.0		
【2-1】(About40kmNorth/West) Survey1st	3/30 11:15~11:35	4.8	<1.8	6.7		
【2-1】(About40kmNorth/West) Survey2nd	3/30 12:15~12:35	4.7	2.00	7.2		
【2-1】(About40kmNorth/West) Survey3rd	3/30 13:15~13:35	3.4	1.80	7.0		
【2-1】(About40kmNorth/West) Survey4th	3/30 14:15~14:35	28.0	20.00	7.4		
【2-1】(About40kmNorth/West) Survey5th	3/30 15:15~15:35	7.7	1.90	7.5		
【2-4】(About25kmNorth) Survey1st	3/29 11:17~12:15	75.0	46.0	1.7	【80】	
【2-4】(About25kmNorth) Survey2nd	3/29 12:15~13:15	29.0	34.0	0.4		
【2-4】(About25kmNorth) Survey3rd	3/29 13:15~14:15	32.0	23.0	0.6		
【2-4】(About25kmNorth) Survey4th	3/29 14:15~15:00	29.0	25.0	0.5		
【2-4】(About25kmNorth) Survey1st	3/30 11:09~11:29	1.8	0.5	0.0		
【2-4】(About25kmNorth) Survey2nd	3/30 12:10~12:30	1.6	0.5	0.8		
【2-4】(About25kmNorth) Survey3rd	3/30 13:10~13:30	1.2	0.4	0.2		
【2-4】(About25kmNorth) Survey4th	3/30 14:10~14:30	1.5	0.5	0.3		
【2-4】(About25kmNorth) Survey5th	3/30 15:10~15:30	1.1	<0.49	0.6		
【2-4】(About25kmNorth) Survey1st	4/1 12:33~12:48	1.5	1.0	1.2		
【2-4】(About25kmNorth) Survey2nd	4/1 13:33~13:55	2.2	0.85	1.2		
【2-4】(About25kmNorth) Survey3rd	4/1 14:33~14:53	1.9	<0.7	1.2		
【2-4】(About25kmNorth) Survey4th	4/1 15:33~15:53	1.7	1.0	1.2		
【2-7】(About35KmNorth/West)	3/29 12:00~13:00	0.95	0.59	8.0		【46】
【2-7】(About35KmNorth/West)	3/29 13:00~14:00	0.66	<0.70	8.0		
【2-7】(About35KmNorth/West)	3/29 14:00~15:00	0.75	<0.76	8.0		
【2-7】(About35KmNorth/West)	3/29 15:00~16:00	0.90	<0.58	8.0		
【2-7】(About35KmNorth/West)	3/29 16:00~17:00	0.69	<0.59	8.0		
【2-7】(About35KmNorth/West) Survey1st	3/30 12:11~12:31	1.9	1.0	13.9		
【2-7】(About35KmNorth/West) Survey2nd	3/30 13:11~13:33	1.3	1.0	15.2		
【2-7】(About35KmNorth/West) Survey3rd	3/30 14:11~14:32	89.0	91.0	14.6		
【2-7】(About35KmNorth/West) Survey4th	3/30 15:11~15:32	180.0	140.0	15.0		
【3-1】(About30kmNorth/West) Survey1st	3/24 11:20~11:41	43.0	2.0	30		
【3-1】(About30kmNorth/West) Survey2nd	3/24 12:20~12:40	3.3	<0.98	30		
【3-1】(About30kmNorth/West) Survey3rd	3/24 13:20~13:42	3.8	<1.2	30		
【3-1】(About30kmNorth/West) Survey4th	3/24 14:20~14:42	3.8	1.5	30		
【3-1】(About30kmNorth/West) Survey5th	3/24 15:20~15:42	3.3	1.7	30		

Sampling Point	Sampling Time and Date	Radioactivity Concentration(Bq/m <sup>3</sup> )		Reading ( $\mu$ Sv/h)	Monitoring Point by monitoring car
		<sup>131</sup> I	<sup>137</sup> Cs		
【3-1】(About30kmNorth/West) Survey1st	3/26 11:38~12:00	5.8	4.8	26	【33】
【3-1】(About30kmNorth/West) Survey2nd	3/26 13:18~13:39	5.2	2.2	26	
【3-1】(About30kmNorth/West) Survey1st	3/28 11:31~11:52	2.6	1.8	26	
【3-1】(About30kmNorth/West) Survey2nd	3/28 12:53~13:15	2.7	<1.2	26	
【3-1】(About30kmNorth/West) Survey1st	3/29 11:18~11:40	2.4	1.1	18.9	
【3-1】(About30kmNorth/West) Survey2nd	3/29 13:23~13:50	1.9	<1.0	-	
【76】(About20kmSouth/West) Survey1st	4/2 11:22~11:47	4.5	1.1	1.0	【76】
【76】(About20kmSouth/West) Survey2nd	4/2 11:54~12:36	2.0	<0.39	1.0	
【76】(About20kmSouth/West) Survey3rd	4/2 12:42~13:47	1.3	0.45	1.0	
【76】(About20kmSouth/West) Survey4th	4/2 13:50~14:56	1.6	<0.33	1.0	
【76】(About20kmSouth/West) Survey5th	4/2 14:59~16:03	1.6	<0.33	1.0	
【76】(About20kmSouth/West) Survey1st	4/3 11:35~12:34	2.1	0.56	0.7	
【76】(About20kmSouth/West) Survey2nd	4/3 12:36~13:35	1.4	<0.31	0.7	
【76】(About20kmSouth/West) Survey3rd	4/3 13:38~14:37	2.4	<0.39	0.7	
【76】(About20kmSouth/West) Survey1st	4/4 12:00~13:00	1.3	1.60	0.8	
【76】(About20kmSouth/West) Survey2nd	4/4 13:08~13:57	2.0	1.10	0.8	
【76】(About20kmSouth/West) Survey3rd	4/4 14:01~14:50	2.3	0.94	0.8	

Readings are already announced in "Readings at Monitoring Post out of 20 Km Zone of Fukushima Dai-ichi NPP" air dose rate: It has announced separately.

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



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

As of 10:00 April 10, 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 : $\mu$ Sv / h )	Weather	Reading by
Reading Point <b>【1】</b> (About60kmNorth/West)	2011/4/9 16:27	1.0 *2	Rain	MEXT
Reading Point <b>【1】</b> (About60kmNorth/West)	2011/4/9 8:35	0.8 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point <b>【2】</b> (About55kmNorth/West)	2011/4/9 9:03	3.8 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point <b>【3】</b> (About45kmNorth/West)	2011/4/9 9:54	3.0 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point <b>【4】</b> (About50kmNorth/West)	2011/4/9 15:10	1.8 *2	Rain	MEXT
Reading Point <b>【5】</b> (About45kmNorth)	2011/4/9 10:32	1.1 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point <b>【6】</b> (About35kmNorth)	2011/4/9 10:49	1.2 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point <b>【7】</b> (About35kmNorth)	2011/4/9 10:56	1.5 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point <b>【10】</b> (About40kmNorth/West)	2011/4/9 14:54	1.7 *2	No Rain	MEXT
Reading Point <b>【11】</b> (About40kmNorth/West)	2011/4/9 14:41	1.6 *2	Rain	MEXT
Reading Point <b>【12】</b> (About40kmWest)	2011/4/9 12:15	1.2 *2	Rain	MEXT
Reading Point <b>【13】</b> (About40kmWest)	2011/4/9 12:04	1.0 *2	Rain	MEXT
Reading Point <b>【14】</b> (About35kmWest)	2011/4/9 11:54	0.3 *2	Rain	MEXT

- \* 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 : $\mu$ Sv / h )	Weather	Reading by
Reading Point 【15】 (About35kmWest)	2011/4/9 11:45	1.1 *2	Rain	MEXT
Reading Point 【20】 (About45kmNorth/West)	2011/4/9 12:39	1.4 *2	Rain	MEXT
Reading Point 【22】 (About35kmWest/North/West)	2011/4/9 12:55	1.5 *2	Rain	MEXT
Reading Point 【23】 (About35kmWest/North/West)	2011/4/9 12:48	1.8 *2	Rain	MEXT
Reading Point 【31】 (About30kmWest/North/West)	2011/4/9 10:23	10.7 *2	Rain	MEXT
Reading Point 【32】 (About30kmNorth/West)	2011/4/9 10:43	26.1 *2	Rain	MEXT
Reading Point 【33】 (About30kmNorth/West)	2011/4/9 10:51	15.3 *2	Rain	MEXT
Reading Point 【34】 (About30kmNorth/West)	2011/4/9 9:47	5.1 *2	Rain	MEXT
Reading Point 【36】 (About40kmNorth/West)	2011/4/9 11:38	3.1 *2	Rain	MEXT
Reading Point 【37】 (About50kmNorth/West)	2011/4/9 9:46	4.0 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【38】 (About35kmSouth)	2011/4/9 11:26	0.7 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【39】 (About45kmNorth)	2011/4/9 10:16	1.4 *2	Rain	JAEA (Japan Atomic Energy Agency)
<u>Reading Point 【41】 (About20kmWest)</u>	<u>2011/4/9 13:40</u>	<u>0.8 *2</u>	<u>Rain</u>	<u>Electric power company</u>
<u>Reading Point 【41】 (About20kmWest)</u>	<u>2011/4/9 9:55</u>	<u>0.8 *2</u>	<u>Rain</u>	<u>Electric power company</u>
<u>Reading Point 【42】 (About30kmWest)</u>	<u>2011/4/9 13:00</u>	<u>0.9 *2</u>	<u>Rain</u>	<u>Electric power company</u>
<u>Reading Point 【42】 (About30kmWest)</u>	<u>2011/4/9 9:43</u>	<u>0.9 *2</u>	<u>Rain</u>	<u>Electric power company</u>
<u>Reading Point 【43】 (About20kmSouth/West)</u>	<u>2011/4/9 15:00</u>	<u>0.5 *2</u>	<u>Rain</u>	<u>Electric power company</u>
<u>Reading Point 【43】 (About20kmSouth/West)</u>	<u>2011/4/9 11:00</u>	<u>0.4 *2</u>	<u>Rain</u>	<u>Electric power company</u>

- \* 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 : $\mu$ Sv / h )	Weather	Reading by
Reading Point <b>[44]</b> (About30kmSouth)	2011/4/9 13:00	0.8 <sup>*2</sup>	Rain	Electric power company
Reading Point <b>[44]</b> (About30kmSouth)	2011/4/9 10:00	0.8 <sup>*2</sup>	Rain	Electric power company
Reading Point <b>[45]</b> (About20kmSouth)	2011/4/9 13:07	1.1 <sup>*2</sup>	Rain	Electric power company
Reading Point <b>[45]</b> (About20kmSouth)	2011/4/9 10:07	1.2 <sup>*2</sup>	Rain	Electric power company
Reading Point <b>[46]</b> (About30kmNorth/West)	2011/4/9 13:55	4.7 <sup>*2</sup>	Rain	Electric power company
Reading Point <b>[46]</b> (About30kmNorth/West)	2011/4/9 10:30	4.8 <sup>*2</sup>	Rain	Electric power company
Reading Point <b>[51]</b> (About40kmSouth/West)	2011/4/9 13:56	0.2 <sup>*3</sup>	Rain	Fukushima Prefecture
Reading Point <b>[51]</b> (About40kmSouth/West)	2011/4/9 10:48	0.3 <sup>*3</sup>	Rain	Fukushima Prefecture
Reading Point <b>[52]</b> (About40kmWest)	2011/4/9 14:30	0.3 <sup>*3</sup>	Rain	Fukushima Prefecture
Reading Point <b>[52]</b> (About40kmWest)	2011/4/9 11:16	0.3 <sup>*3</sup>	Rain	Fukushima Prefecture
Reading Point <b>[61]</b> (About40kmNorth/West)	2011/4/9 14:20	3.9 <sup>*3</sup>	Rain	Fukushima Prefecture
Reading Point <b>[61]</b> (About40kmNorth/West)	2011/4/9 12:16	1.1 <sup>*3</sup>	Rain	Fukushima Prefecture
Reading Point <b>[62]</b> (About40kmNorth/West)	2011/4/9 14:31	6.0 <sup>*3</sup>	Rain	Fukushima Prefecture
Reading Point <b>[62]</b> (About40kmNorth/West)	2011/4/9 12:06	6.4 <sup>*3</sup>	Rain	Fukushima Prefecture
Reading Point <b>[63]</b> (About45kmNorth/West)	2011/4/9 14:57	2.1 <sup>*3</sup>	Rain	Fukushima Prefecture
Reading Point <b>[63]</b> (About45kmNorth/West)	2011/4/9 11:03	1.7 <sup>*3</sup>	Rain	Fukushima Prefecture
Reading Point <b>[71]</b> (About25kmSouth)	2011/4/9 15:30	1.8 <sup>*2</sup>	Rain	Police ( counter NBC operations unit )
Reading Point <b>[71]</b> (About25kmSouth)	2011/4/9 12:43	0.9 <sup>*2</sup>	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
- \* 4 variation range of the measuring data in measuring time

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu$ Sv / h )	Weather	Reading by
Reading Point 【71】 (About25kmSouth)	2011/4/9 8:03	1.8 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
<u>Reading Point 【72】 (About30kmSouth)</u>	<u>2011/4/9 16:05</u>	<u>0.6 *<sup>2</sup></u>	<u>Rain</u>	<u>Police ( counter NBC operations unit )</u>
Reading Point 【72】 (About30kmSouth)	2011/4/9 12:30	0.7 * <sup>2</sup>	Rain	JAEA ( Japan Atomic Energy Agency )
Reading Point 【72】 (About30kmSouth)	2011/4/9 8:36	1.0 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
<u>Reading Point 【73】 (About35kmSouth)</u>	<u>2011/4/9 16:23</u>	<u>0.9 *<sup>2</sup></u>	<u>Rain</u>	<u>Police ( counter NBC operations unit )</u>
Reading Point 【73】 (About35kmSouth)	2011/4/9 12:11	1.2 * <sup>2</sup>	Rain	JAEA ( Japan Atomic Energy Agency )
Reading Point 【73】 (About35kmSouth)	2011/4/9 9:01	1.2 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
Reading Point 【74】 (About35kmSouth)	2011/4/9 12:53	0.3 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
Reading Point 【74】 (About35kmSouth)	2011/4/9 11:04	0.5 * <sup>2</sup>	Rain	JAEA ( Japan Atomic Energy Agency )
<u>Reading Point 【75】 (About45kmSouth)</u>	<u>2011/4/9 17:20</u>	<u>0.2 *<sup>2</sup></u>	<u>Rain</u>	<u>Police ( counter NBC operations unit )</u>
Reading Point 【75】 (About45kmSouth)	2011/4/9 10:39	0.7 * <sup>2</sup>	Rain	JAEA ( Japan Atomic Energy Agency )
Reading Point 【75】 (About45kmSouth)	2011/4/9 7:13	0.0 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
Reading Point 【76】 (About20kmSouth/West)	2011/4/9 11:41	0.0 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
Reading Point 【76】 (About20kmSouth/West)	2011/4/9 10:50	0.5 * <sup>2</sup>	Rain	MEXT
Reading Point 【77】 (About25kmSouth/West)	2011/4/9 12:01	1.7 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
<u>Reading Point 【78】 (About45kmNorth/West)</u>	<u>2011/4/9 18:27</u>	<u>1.3 *<sup>2</sup></u>	<u>Rain</u>	<u>Police ( counter NBC operations unit )</u>
Reading Point 【78】 (About45kmNorth/West)	2011/4/9 8:00	0.2 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
Reading Point 【79】 (About30kmNorth/West)	2011/4/9 10:16	12.3 * <sup>2</sup>	Rain	MEXT



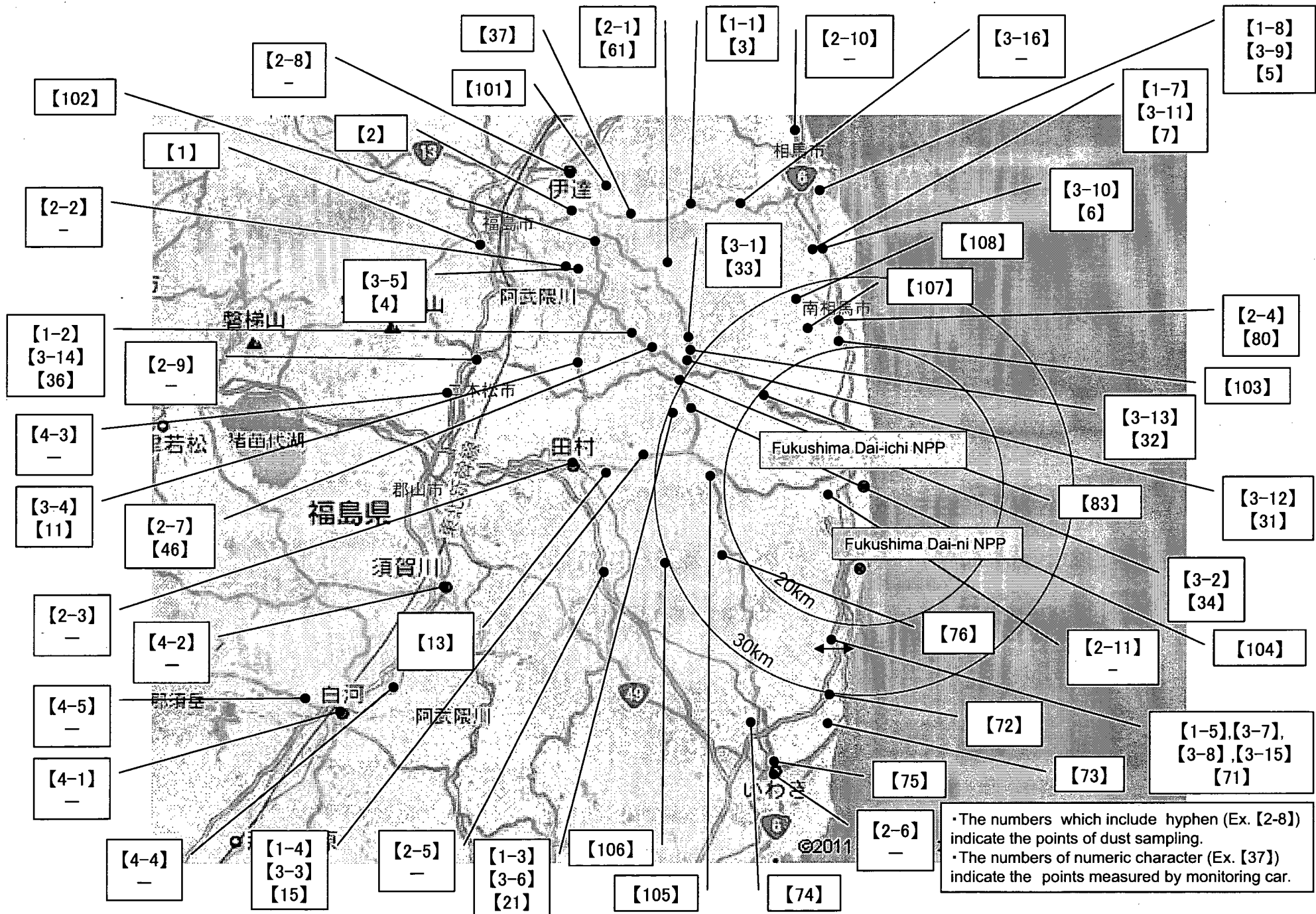
- \* 1 measured by Geiger-Müller counter
- \* 2 measured by ionization chamber type survey meter
- \* 3 measured by NaI scintillator detector
- \* 4 variation range of the measuring data in measuring time

Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu$ Sv / h )	Weather	Reading by
Reading Point 【79】 (About30kmNorth/West)	2011/4/9 8:49	10.4 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
<u>Reading Point 【80】 (About25kmNorth)</u>	<u>2011/4/9 14:35</u>	<u>0.5 *<sup>2</sup></u>	<u>Rain</u>	<u>Police ( counter NBC operations unit )</u>
Reading Point 【80】 (About25kmNorth)	2011/4/9 11:24	1.2 * <sup>2</sup>	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【80】 (About25kmNorth)	2011/4/9 11:05	0.5 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
Reading Point 【81】 (About30kmNorth/West)	2011/4/9 8:41	24.2 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
Reading Point 【83】 (About20kmNorth/West)	2011/4/9 10:02	47.5 * <sup>2</sup>	Rain	MEXT
Reading Point 【83】 (About20kmNorth/West)	2011/4/9 9:04	39.6 * <sup>2</sup>	Rain	Police ( counter NBC operations unit )
Reading Point 【84】 (About40kmSouth/West)	2011/4/9 10:03	0.3 * <sup>2</sup>	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【85】 (About60kmNorth/West)	2011/4/9 14:00	0.1 * <sup>2</sup>	No Rain	Ministry of Defense
Reading Point 【85】 (About60kmNorth/West)	2011/4/9 6:00	0.2 * <sup>2</sup>	No Rain	Ministry of Defense
Reading Point 【86】 (About55kmWest)	2011/4/9 14:00	0.9 * <sup>2</sup>	Rain	Ministry of Defense
Reading Point 【86】 (About55kmWest)	2011/4/9 6:00	1.2 * <sup>2</sup>	No Rain	Ministry of Defense
Reading Point 【87】 (About30kmWest/South/West)	2011/4/9 14:00	0.8 * <sup>2</sup>	Rain	Ministry of Defense
Reading Point 【87】 (About30kmWest/South/West)	2011/4/9 6:00	1.3 * <sup>2</sup>	Rain	Ministry of Defense
<u>Reading Point 【88】 (About55kmWest/North/West)</u>	<u>2011/4/9 12:00</u>	<u>1.1 *<sup>2</sup></u>	<u>Rain</u>	<u>Ministry of Defense</u>
<u>Reading Point 【89】 (About60kmWest)</u>	<u>2011/4/9 12:00</u>	<u>3.5 *<sup>2</sup></u>	<u>Rain</u>	<u>Ministry of Defense</u>
Reading Point 【101】 (About55kmNorth/West)	2011/4/9 9:25	1.7 * <sup>2</sup>	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【102】 (About50kmNorth/West)	2011/4/9 13:33	2.1 * <sup>2</sup>	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
- \* 4 variation range of the measuring data in measuring time

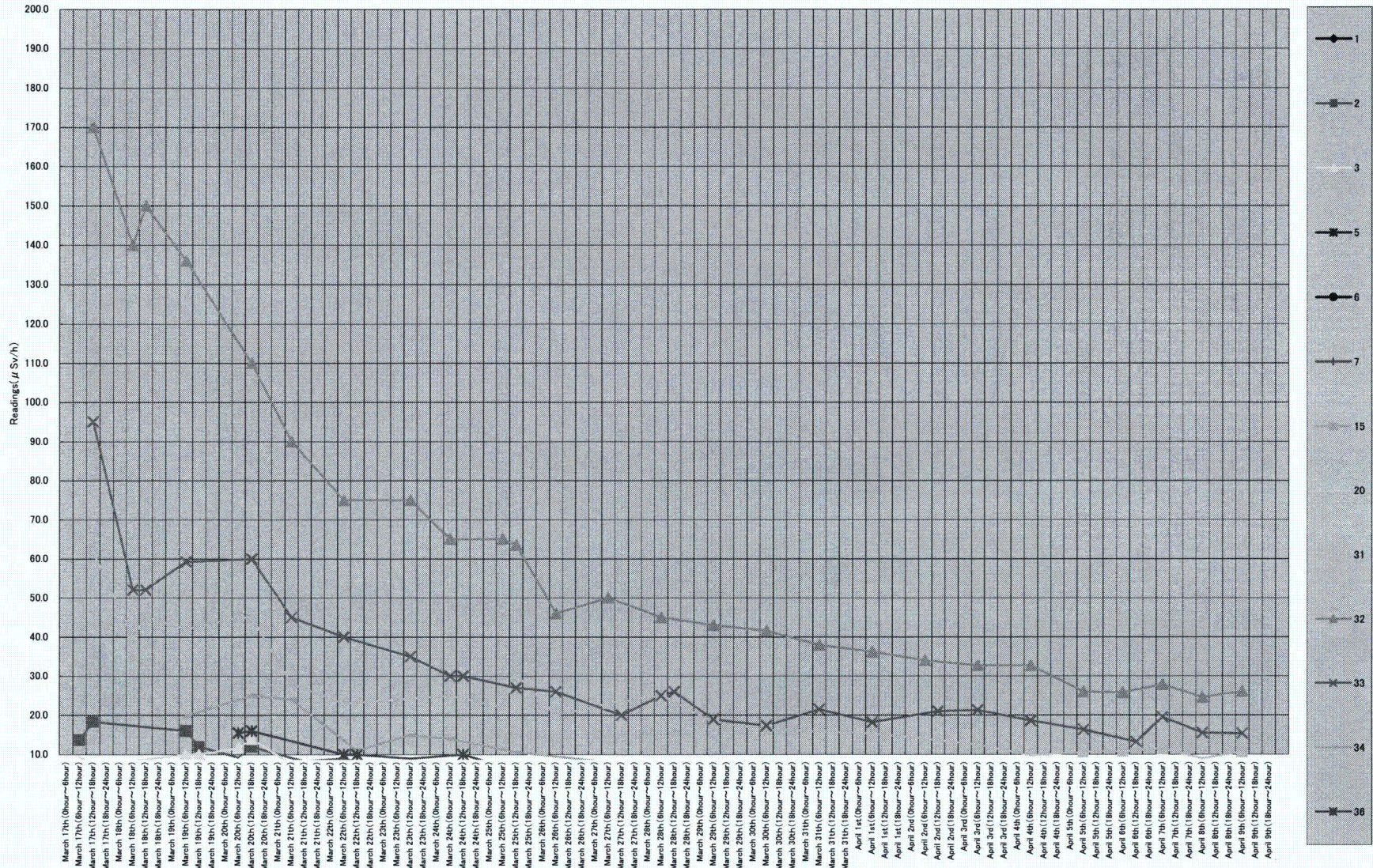
Monitoring Post (length from NPP)	Monitoring Time	Reading (unit : $\mu$ Sv / h )	Weather	Reading by
Reading Point 【103】 (About20kmNorth)	2011/4/9 11:45	1.2 *2	Rain	JAEA (Japan Atomic Energy Agency)
<u>Reading Point 【104】 (About25kmWest/North/West)</u>	<u>2011/4/9 7:30</u>	<u>2.3 *2</u>	<u>Rain</u>	<u>MEXT</u>
Reading Point 【105】 (About20kmWest)	2011/4/9 11:20	0.4 *2	Rain	MEXT
Reading Point 【106】 (About30kmSouth/West)	2011/4/9 10:30	0.8 *2	Rain	MEXT
Reading Point 【107】 (About25kmNorth/North/West)	2011/4/9 12:05	3.4 *2	Rain	JAEA (Japan Atomic Energy Agency)
Reading Point 【108】 (About30kmNorth/North/West)	2011/4/9 12:43	4.2 *2	Rain	JAEA (Japan Atomic Energy Agency)

# Sampling points out of Fukushima Dai-ichi NPP



• The numbers which include hyphen (Ex. [2-8]) indicate the points of dust sampling.  
 • The numbers of numeric character (Ex. [37]) indicate the points measured by monitoring car.

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



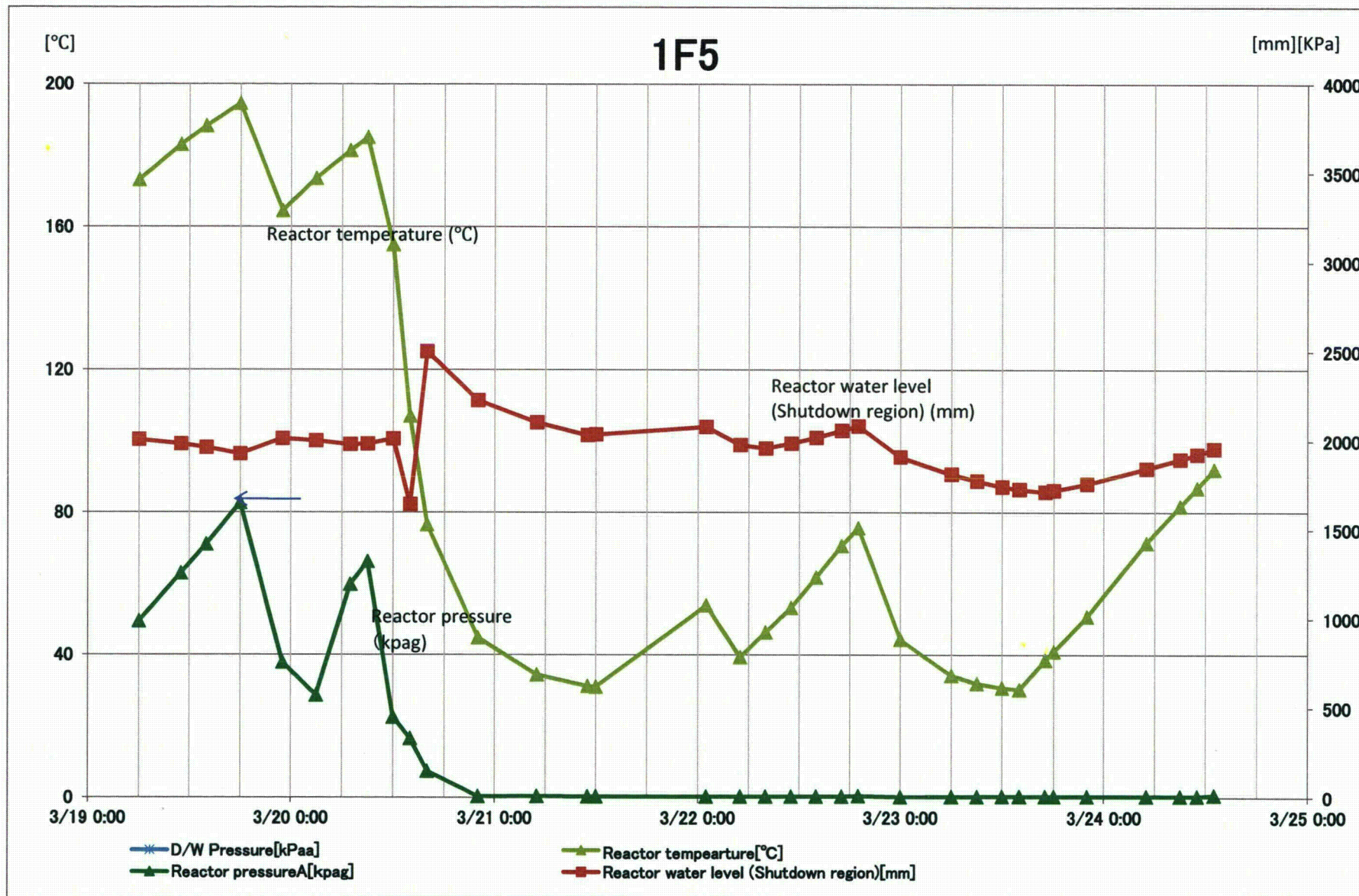
Note: The maximum data is plotted if there are more than one data in 4 hours.  
 Note: This graph only shows the dates over 10 μSv/h.

Monitoring Time [Date (time)]

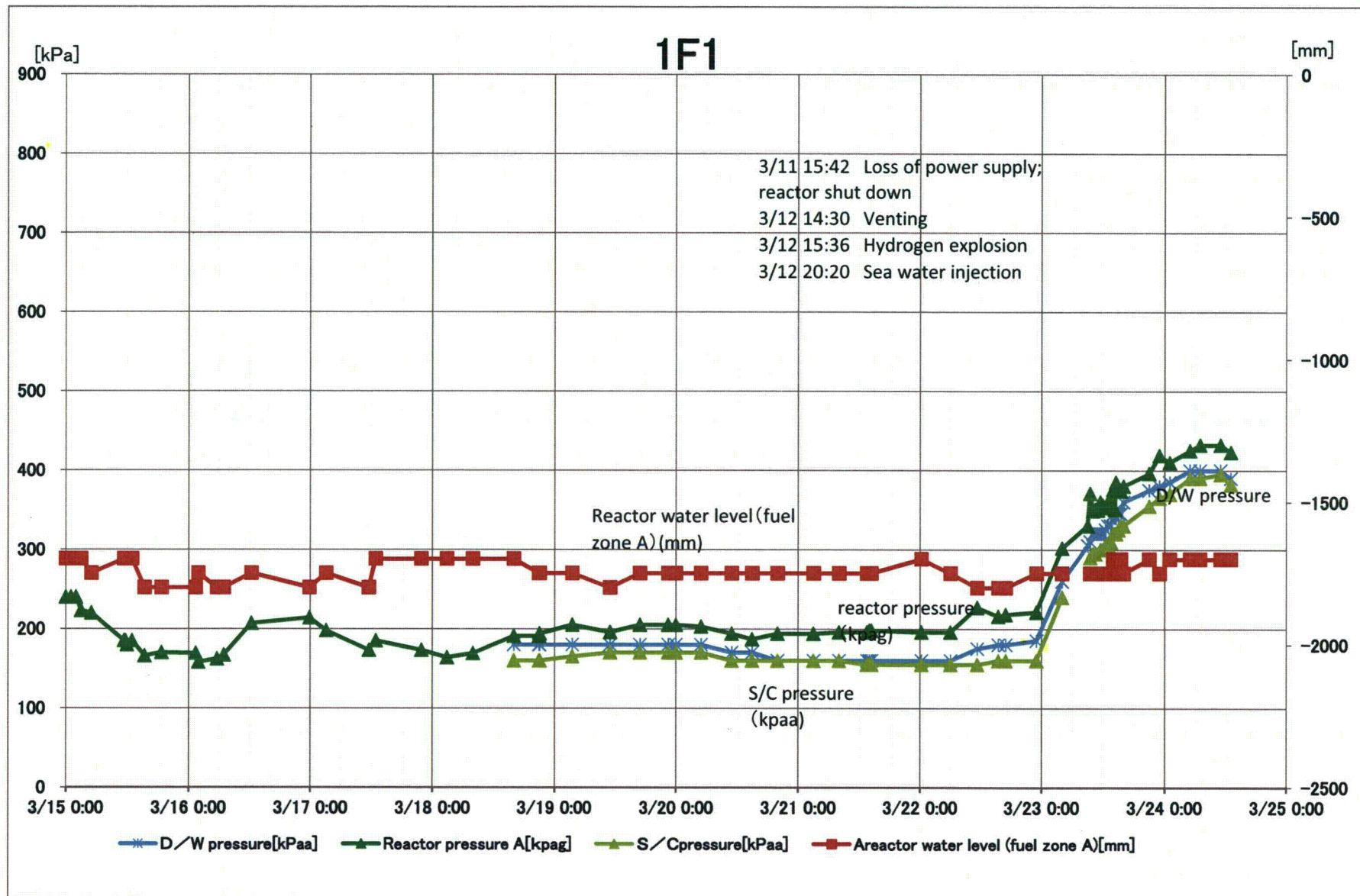
Note: Data from MEXT, Japan Atomic Energy Agency, and, NUCLEAR Safety Technology Center

Date	Time	Reactor water level (Shutdown region) [mm]	Reactor temperature [°C]	Reactor pressure A [kPaG]	Reactor pressure B [kPaG]	D/W Pressure [kPaG]	S/G Pressure [kPaG]	CAMS (CAMS/S)
3月14日	0:30							
3月14日	2:00							
3月14日	3:00							
3月14日	4:00							
3月14日	4:40							
3月14日	5:00							
3月14日	6:00							
3月14日	7:00							
3月14日	8:00							
3月14日	9:00							
3月14日	11:15							
3月14日	11:25							
3月14日	11:30							
3月14日	12:00							
3月14日	13:00							
3月14日	14:00							
3月14日	15:00							
3月14日	16:00							
3月14日	17:00							
3月14日	18:30							
3月14日	19:00							
3月14日	20:03							
3月14日	21:04							
3月14日	22:40							
3月14日	23:00							
3月15日	0:00							
3月15日	1:00							
3月15日	2:00							
3月15日	3:00							
3月15日	6:28							
3月15日	11:25							
3月15日	11:42							
3月15日	11:58							
3月15日	13:00							
3月15日	15:25							
3月15日	18:43							
3月16日	1:35							
3月16日	1:54							
3月16日	5:35							
3月16日	6:55							
3月16日	12:25							
3月16日	23:50							
3月17日	3:10							
3月17日	11:30							
3月17日	12:50							
3月17日	21:50							
3月18日	2:50							
3月18日	7:55							
3月18日	16:00							
3月18日	20:55							
3月18日	21:00							
3月19日	3:30							
3月19日	6:00	2008	173.1	988				
3月19日	11:00	1984	183	1258				
3月19日	14:00	1964	188.2	1421				
3月19日	18:00	1928	194.5	1653				
3月19日	23:00	2014	164.5	757				
3月20日	3:00	2002	173.5	573				
3月20日	7:00	1981	181.3	1195				
3月20日	9:00	1984	185	1323				
3月20日	12:00	2013	155	450				
3月20日	14:00	1643	107	331				
3月20日	16:00	2501	76.5	147				
3月20日	22:00	2227	44.8	7				
3月21日	5:00	2104	34.4	8				
3月21日	11:00	2033	31.2	7				
3月21日	12:00	2037	31	7				
3月22日	1:00	2080	53.9	7				
3月22日	5:00	1978	39.3	7				
3月22日	8:00	1960	46.3	7				
3月22日	11:00	1987	53.2	7				
3月22日	14:00	2020	61.7	7				
3月22日	17:00	2059	70.6	7				
3月22日	19:00	2084	75.6	9				
3月23日	0:00	1911	44.3	4				
3月23日	6:00	1814	34.2	6				
3月23日	9:00	1776	31.9	6				
3月23日	12:00	1744	30.7	7				
3月23日	14:00	1729	30.2	7				
3月23日	17:00	1714	28.5	7				
3月23日	18:00	1723	40.9	7				
3月23日	22:00	1760	50.7	7				
3月24日	5:00	1846	71.4	7				
3月24日	9:00	1898	81.7	7				
3月24日	11:00	1925	86.8	7				
3月24日	13:00	1957	92	12				
3月24日			Input					

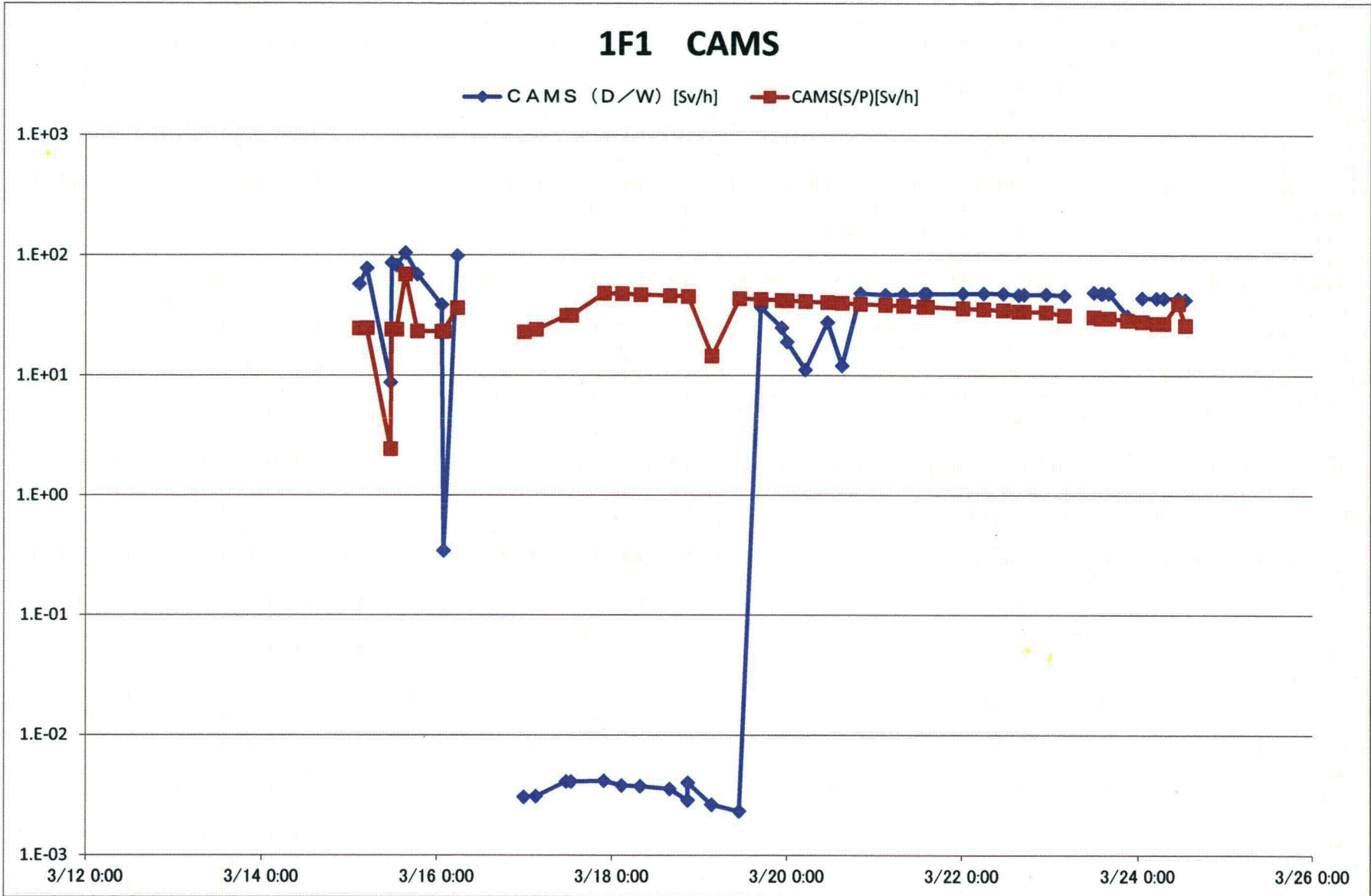
# F1



Date	Arrestor water level (ft)	Arrestor zone A(mm)	Arrestor water level (ft)	Arrestor zone B(mm)	Resistor pressure AD(psa)	Resistor pressure B(psa)	D/W pressure D(psa)	D/W pressure E(psa)	B/Cpre pressure (ps)	B/Cpre pressure (ps)	CAMS D/W (ps)	CA (ps)	temp ture	part temp ture
8:10	1.300	600	800.0				740	639						
8:47	1.200	400	800.0				770	689						
9:30			800.0											
9:35			800.0											
9:48	(400)	-650	800.0				740.0	639						
9:50	(550)	-650					740.0	639						
9:55			800.0											
10:04	-500	-700	800.0				740.0	639						
10:40			800.0											
11:20	-1.100	-800	800.0				750	649						
12:05	-1.500	-1.400	800.0				750	649						
12:35	-1.700	-1.450	800.0				754	652						
12:45			800.0											
12:55	-1.700	-1.500					750	649						
13:38	-1.700	-1.550	800.0				755.0	654						
14:10	-1.700	-1.650	800.0				750.0	659						
15:14	-1.700	-1.650	800.0				759	659						
15:28	-1.700	-1.650	800.0				740	639						
17:00	-1.700	-1.700												
20:08			-1.700											
22:00			-1.700											
23:25			-1.700											
0:00			-1.750											
1:00			-1.700											
2:00			-1.700											
3:38			-1.700											
6:00			-1.700	350.000										
5:30			-1.700	350.000										
7:00			-1.700	355.000										
8:00			-1.700	352.000										
8:45			-1.700	358.000										
8:75			-1.700	353.000										
10:35			-1.750	382.000										
11:55			-1.700	384.000										
12:40			-1.700	384.000										
15:00			-1.700	373.000			800	499	800	499				
15:00			-1.700	378.000			800	504	800	499				
17:30			-1.700	371.000			800	499	800	499				
18:45			-1.700	382.000			880	488	885	484				
19:00			-1.700	387.000			880	478	880	478				
19:30			-1.700	353.000			878	474	870	468				
21:30			-1.700	342.000			800	448	800	449				
22:45			-1.700	333.000			840	439	830	429				
23:30			-1.750	324.000	60.000		830	429	830	429				
3月14日 0:30	-1.750	-1750	314	530	429									
3月14日 2:00	-1.750	-1750	315	510	409									
3月14日 3:00	-1.750	-1750	306	505	404									
3月14日 4:50	-1.750	-1750	304	499	394									
3月14日 4:40	-1.750	-1750	298	490	389									
3月14日 5:00	-1.750	-1750	299	480	389									
3月14日 6:00	-1.750	-1750	285	485	384									
3月14日 7:00	-1.750	-1750	288	478	374									
3月14日 8:00	-1.750	-1750	284	480	368									
3月14日 8:00	-1.750	-1750	275	450	348									
3月14日 11:15	-1800	-1800	275	440	339									
3月14日 11:25	-1800	-1800	275	440	339									
3月14日 11:30	-1800	-1800	275	440	339									
3月14日 12:00	-1800	-1800	275	450	359									
3月14日 13:00	-1800	-1800	275											
3月14日 14:00	-1800	-1800	278											
3月14日 15:00	-1800	-1800	245											
3月14日 16:00	-1750	-1750	270											
3月14日 17:00	-1750	-1750	270											
3月14日 18:30	-1750	-1750	270											
3月14日 19:00	-1750	-1750	270											
3月14日 20:03	-1750	-1750	245											
3月14日 21:04	-1750	-1750	243											
3月14日 22:40	-1700	-1700	240											
3月14日 23:00	-1700	-1700	240											
3月15日 0:00	-1700	-1700	240											
3月15日 1:00	-1700	-1700	240											
3月15日 2:00	-1700	-1700	240											
3月15日 3:00	-1700	-1700	223							6.73E+01	2.48E+01			
3月15日 5:00	-1750	-1700	220	59						7.74E+01	2.47E+01			
3月15日 11:25	-1700	-1700	185	70						8.70E+00	2.42E+00			
3月15日 11:42	-1700	-1700	185	72						8.55E+01	2.41E+01			
3月15日 11:58	-1700	-1700	180	72						8.44E+01	2.41E+01			
3月15日 13:00	-1700	-1700	185	68						8.18E+01	2.41E+01			
3月15日 15:25	-1800	-1750	188	70						1.04E+02	6.92E+01			
3月15日 18:43	-1800	-1800	170							6.89E+01	2.33E+01			
3月16日 1:24	-1800	-1800	169							3.94E+01	2.31E+01			
3月16日 1:54	-1750	-1750	158							3.44E+01	2.33E+01			
3月16日 5:35	-1800	-1750	182							9.81E+01	3.84E+01			
3月16日 6:55	-1800	-1750	187											
3月16日 12:25	-1750	-1750	207	171										
3月16日 23:50	-1800	-1750	214	169						3.05E+03	2.29E+01			
3月17日 3:10	-1750	-1750	198	155						3.09E+03	2.40E+01			
3月17日 11:30	-1800	-1800	173	144						4.10E+03	3.15E+01			
3月17日 12:50	-1700	-1750	185	144						4.10E+03	3.18E+01			
3月17日 21:50	-1700	-1700	173	151						4.15E+03	4.87E+01			
3月18日 2:50	-1700	-1700	142	142						3.80E+01	4.77E+01			
3月18日 7:55	-1700	-1700	148	148						3.79E+03	4.69E+01			
3月18日 16:00	-1700	-1800	191	153	180	79	160	89	3.58E+03	4.60E+01				
3月18日 20:55	-1750	-1800	191	148	180	79	160	89	2.87E+03	4.54E+01				
3月18日 21:00	-1750	-1800	184	151	180	79	160	89	4.00E+03	4.55E+01				
3月18日 2:30	-1750	-1750	205	155	180	79	165	84	2.62E+03	1.45E+01				
3月19日 11:00	-1800	-1700	196	151	180	79	170	89	2.32E+03	4.33E+01				
3月19日 16:50	-1750	-1750	205	180	180	79	170	89	3.67E+03	4.28E+01				
3月19日 22:30	-1750	-1750	205	184	180	79	170	89	2.49E+03	4.21E+01				
3月20日 0:00	-1750	-1750	205	187	180	79	170	89	1.89E+03	4.18E+01				
3月20日 5:00	-1750	-1750	205	182	180	79	170	89	1.11E+03	4.12E+01				
3月20日 11:00	-1750	-1750	194	180	170	69	160	59	2.78E+03	4.05E+01				
3月20日 15:00	-1750	-1750	187	158	170	69	160	59	1.20E+03	4.00E+01				
3月20日 20:00	-1750	-1800	194	180	180	59	180	59	48	39.1				
3月21日 3:00	-1750	-1800	194	158	180	59	180	59	4.68E+01	3.85E+01				
3月21日 8:00	-1750	-1750	198	164	180	59	180	59	4.71E+01	3.78E+01				
3月21日 13:30	-1750	-1750	198	160	180	59	155	64	47.5	37.4				
3月21日 14:00	-1750	-1750	198	160	180	59	155	64	47.6	37.3				
3月21日 14:25	-1750	-1750	198	171	180	59	155	64	47.8	37.5				
3月22日 0:15	-1700	-1750	198	171	180	59	155	64	47.7	36.2				
3月22日 6:00	-1750	-1700	198	187	160	59	155	64	48	35.5				
3月22日 11:20	-1800	-1750	227	205	175	34	155	64	47.8	34.9	383	394		
3月22日 15:30	-1800	-1750	216	189	180	79	160	69	4.85E+01	3.40E+01	388	394		
3月22日 17:00	-1800	-1750	218	181	180	79	160	69	46.6	34	388	397		
3月22日 23:00	-1750	-1750	221	196	185	83.7	180	86.7	47.1	33.8	392	399		
3月23日 4:00	-1750	-1750	302	270	290	198.7	240	198.7	46	31.8	400	400	400	400
3月23日 6:00	-1750	-1750	330	305	303.7									
3月23日 9:30	-1750	-1750	371	331	310	208.7	290	188.7						
3月23日 10:00	-1750	-1750	346	322	320	218.7	295	183.7						
3月23日 10:30	-17													







### 1F1 Pressure vessel

