Data Report on the Acid Deposition in the East Asian Region 2005

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Network Center for EANET

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1.Introduction

The East Asian region faces increasing risks of problems related to excessive deposition of acidic substances as a result of enforced industrialization for last decades. At this background the First Session of the Intergovernmental Meeting on the Acid Deposition Monitoring Network in East Asia (EANET) was held in March 1998 with remarkable decision to start the preparatory-phase activities of the Network on an interim basis from 1998. During this preparatory-phase participating countries had launched the monitoring of acid deposition as well as the ecological impact monitoring. The main technical documents were prepared to conduct continuous monitoring as well as some proposals were carried out to enhance the results at the common level. The Second Session of the Intergovernmental Meeting held in October 2000 concluded that the preparatory-phase activities had been successful, and the participating countries had developed the basis to start regular monitoring using their experiences obtained through preparatory-phase activities from 1998 to 2000. And it was decided that the participating countries would cooperatively start the activities of EANET on the regular basis from January 2001.

Acid deposition monitoring of EANET covers four environmental items – wet deposition, dry deposition (started as air concentration monitoring), soil and vegetation, and inland aquatic environment. Monitoring of wet and dry deposition has been implemented in order to observe concentrations and to evaluate fluxes of acidic substances onto the land surface, while monitoring for soil/vegetation and inland aquatic environment was put into action to assess adverse impacts on terrestrial and aquatic ecosystems. These monitoring data will be utilized to evaluate the state of acid deposition as well as impacts on ecosystems.

The participating countries were requested to submit their data and related information obtained through the monitoring activities of EANET for the calendar year 2005 to the Network Center (NC) by 30 June 2006 based on the “Work program and Budget for EANET in 2006” adopted at the Seventh Session of the Intergovernmental Meeting. NC had prepared a draft Data Report on the Acid deposition in the East Asian Region 2005 with data from the participating countries by the Sixth Session of Scientific Advisory Committee (SAC6) held in October 2006 in Patumthani, Thailand. The draft Data Report was considered at SAC6 by the experts from participating countries. Following the comments and guidance at SAC6, NC has elaborated and finalized the report.

This report present the EANET monitoring data in 2005 as the fifth one based on the regular-phase activities of EANET..

2. Network Description

Twelve countries conducted a regular monitoring of the regular-phase activities of EANET during 2005, namely, China, Japan, Mongolia, Republic of Korea and Russian Federation of the North-East Asian region, and Cambodia, Indonesia, Malaysia, Lao PDR, Philippines, Thailand and Vietnam of the South-East Asian region. EANET monitoring sites were

classified into two categories under their purposes: Acid Deposition Monitoring Site and Ecological Survey Site, with criteria presented in Table 2.1. The list of Acid deposition monitoring sites in 2005 is presented in Table 2.2 and their locations are indicated at Fig.2.1. Forty-seven EANET monitoring sites are located within a vast area of East Asia between 51° N to 6°S across twelve participating countries, including 18 "remote", 12 "rural", and 17 "urban" sites. As described in Table 2.3, wet deposition monitoring was conducted at 47 sites. The equipment for filter pack measurements of pollutant concentrations for dry deposition monitoring were in operation at 30 sites. Automatic or manual gas monitor for NO_x and SO_2 were operated at 22 sites, and 17 sites were equipped with monitor for ozone concentration measurement. Concentrations of particulate matter as PM_{10} were measured by automatic or manual instruments at the 20 sites. Meteorological conditions such as wind speed, wind direction, air temperature, relative humidity, and solar radiation were measured by equipments installed at the sites or nearby at the meteorological observatories. Ecological survey sites established for soil and vegetation monitoring and inland aquatic monitoring are basically located in the vicinity of the Acid Deposition Monitoring Site. Information on the ecological survey sites is presented further in the chapter 5 and 6.

Table 2.1. Classification of Monitoring Sites

Site Category	Site Classification	Main Purpose and Siting Criteria
Acid Deposition Monitoring Site for wet deposition and dry deposition monitoring	Urban Site	- Assessment of the state of acid deposition in urban areas - Urbanized and industrial areas, and the areas immediately outside the urban area - Data can be used for evaluation of acid deposition effect on buildings and historical monuments or human health
	Rural Site	- Assessment of the state of acid deposition in rural areas and/or hinterlands - Data can be used for the evaluation of acid deposition on agricultural crops, forests and etc. - More than 20km apart from large pollution sources like cities, power plants and highways
	Remote Site	- Assessment of the state of acid deposition in background areas - Data can be used for evaluation of long-range transport and deposition models - More than 50km apart from large pollution sources like cities, power plants and highways - More than 500m apart from main roads (more than 500 vehicles per day)
Ecological Survey Site for soil and vegetation monitoring and Inland aquatic monitoring	Basic survey site	- Accumulation of basic data on soil, forest, and inland aquatic environment and disclose trends in their properties - In the vicinity of the acid deposition monitoring site
	Ecosystem analysis site	- Assessment of acid deposition impacts on whole ecosystem through application of terrestrial ecosystem analysis and/or catchment analysis - Sensitive Areas to changes in atmospheric acidity and ecologically conserved area

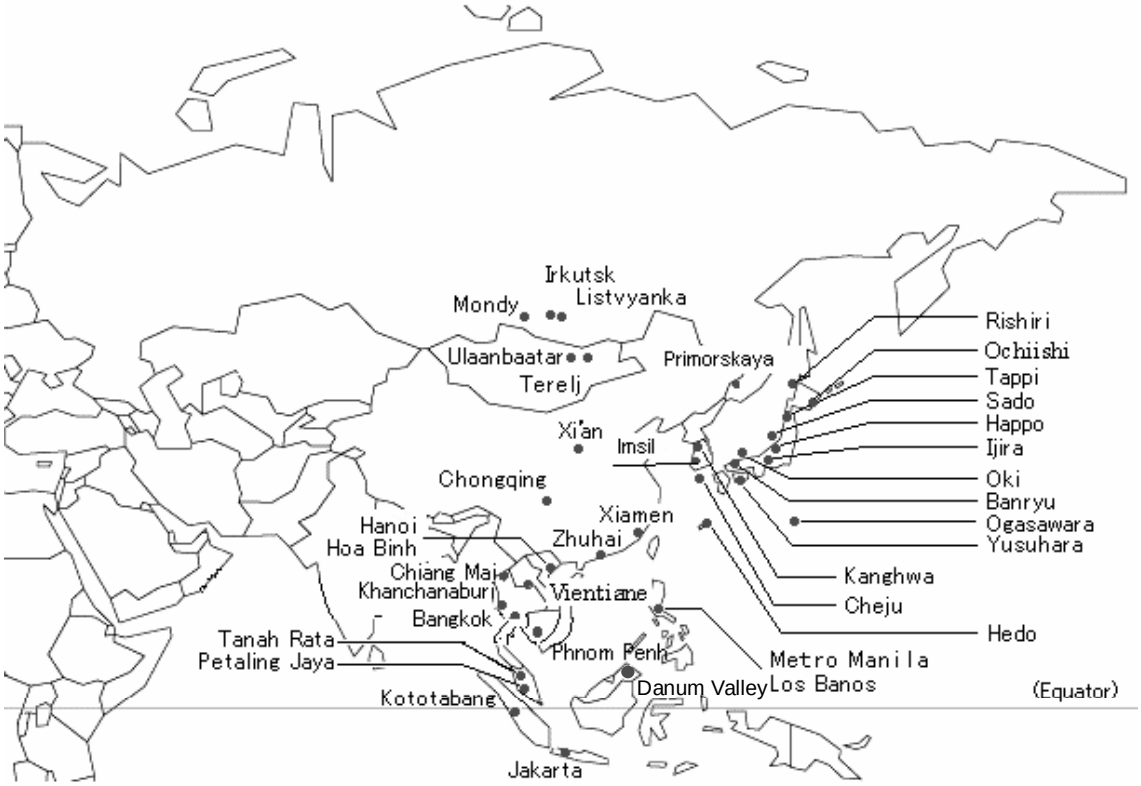


Fig. 2.1 Locations of EANET Sites in 2005

(Note: “Xi’an” includes 3 sites, and “Chongqing”, “Xiamen”, “Zhuhai” includes 2 sites, respectively. “Jakarta” includes also nearby “Serpong” and “Bandung” sites, and “Bangkok” includes also nearby “Samutprakarn” and “Patumthani” sites. “Metro Manila”/“Los Banos” and “Hanoi”/“Hoa Binh” are described as one point, respectively due to map scale. Khao Lam Dam and Vachiralongkorn Dam (of earlier Data Reports 2000-2003) was renamed into Khanchanaburi and also Mae Hia was renamed into Chiang Mai in 2004.)

Table 2.2 Profile of Wet and Dry Deposition (Air Concentration) Monitoring Sites

Country	Name of sites	Characteristics of sites	Latitude	Longitude	Height above sea
Cambodia	Phnom Penh	Urban	11° 33'N	104° 50'E	10m
China	Chongqing-Guanyinqiao	Urban	29° 34'N	106° 31'E	262m
	- Jinyunshan	Rural	29° 49'N	106° 22'E	800m
	Xi'an - Shizhan	Urban	34° 14'N	108° 57'E	400m
	-Weishuiyuan	Rural	34° 22'N	108° 51'E	366m
	- Jiwozi	Remote	33° 50'N	108° 48'E	1,800m
	Xiamen -Hongwen	Urban	24° 28' N	118° 08' E	50m
	-Xiaoping	Remote	24° 51' N	118° 02' E	686m
	Zhuhai - Xiang Zhou	Urban	22° 16'N	113° 34'E	40m
	-Zhuxian Cavern	Urban	22° 12'N	113° 31'E	45m
Indonesia	Jakarta	Urban	6° 11' S	106° 50' E	7m
	Serpong	Rural	6° 15' S	106° 34' E	46m
	Kototabang	Remote	0° 12' S	100° 19' E	864m
	Bandung	Urban	6° 54' S	107° 35' E	743m
Japan	Rishiri	Remote	45° 07' N	141° 12' E	40m
	Ochiishi	Remote	43° 09' N	145° 30' E	49m
	Tappi	Remote	41° 15' N	140° 21' E	105m
	Ogasawara	Remote	27° 05' N	142° 13' E	230m
	Sado-seki	Remote	38° 14' N	138° 24' E	136m
	Happo	Remote	36° 42' N	137° 48' E	1,850m
	Oki	Remote	36° 17' N	133° 11' E	90m
	Yusuhara	Remote	33° 22' N	132° 56' E	790m
	Hedo	Remote	26° 52' N	128° 15' E	60m
	Ijira	Rural	35° 34' N	136° 41' E	140m
	Banryu	Urban	34° 41' N	131° 48' E	53m
Lao PDR	Vientiane	Urban	17 ° N	102° E	
Malaysia	Petaling Jaya	Urban	03° 06' N	101° 39' E	87m
	Tanah Rata	Remote	04° 28' N	101° 23' E	1,470m
	Danum Valley	Remote	04° 59' N	117° 51' E	427m
Mongolia	Ulaanbaatar	Urban	47° 54' N	106° 49' E	1,282m
	Terelj	Remote	47° 59' N	107° 29' E	1,540m
Philippines	Metro Manila	Urban	14° 38' N	121° 04' E	54m
	Los Banos	Rural	14° 11' N	121° 15' E	35m
Republic of Korea	Kanghwa	Rural	37° 42' N	126° 17' E	150m
	Cheju(Kosan)	Remote	33° 18' N	126° 10' E	72m
	Imsil	Rural	35° 36' N	127° 11° E	
Russia	Mondy	Remote	51° 40' N	101° 0' E	2,000m
	Listvyanka	Rural	51° 51' N	104° 54' E	700m
	Irkutsk	Urban	52° 14' N	104° 15' E	400m
	Primorskaya	Rural	43° 42' N	132° 07' E	84m
Thailand	Bangkok	Urban	13° 46' N	100° 32' E	2m
	Samutprakarn	Urban	13° 44' N	100° 34' E	2m
	Patumthani	Rural	14° 02' N	100° 46' E	2m
	Khanchanaburi (Vachiralongkorn Dam)	Remote	14° 46' N	98° 35' E	170m
	Chiang Mai(Mae Hia)	Rural	18° 46' N	98° 56' E	350m
Vietnam	Hanoi	Urban	21° 01' N	105° 51' E	5m
	Hoa Binh	Rural	20° 49' N	105° 20' E	23m

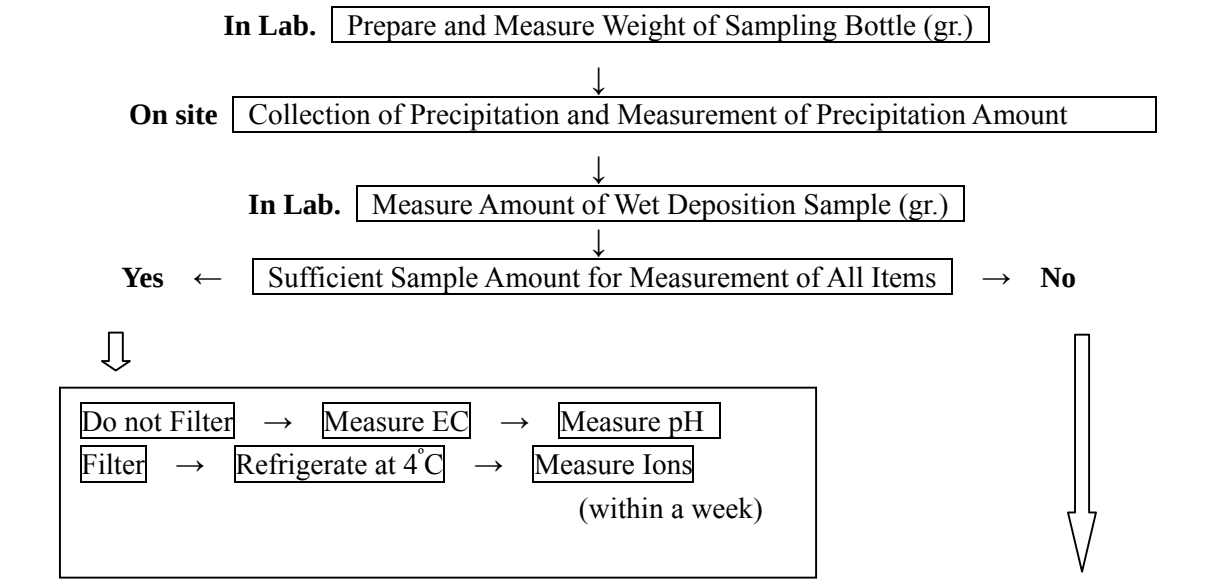
Table 2.3 Outline of Wet and Dry Deposition (Air Concentration) Monitoring

Country	Name of sites	Characteristics of sites	Wet Dep.	Dry Dep.			
				Automatic			Filter Pack
				SO_2,NO_x	O_3	PM	
Cambodia	Phnom Penh	Urban	✓	None	None	None	None
China	Chongqing-Guanyinqiao	Urban	✓	None	None	None	None
	- Jinyunshan	Rural	✓	✓	None	✓	None
	Xi'an - Shizhan	Urban	✓	None	None	None	None
	-Weishuiyuan	Rural	✓	✓	None	✓	None
	- Jiwozi	Remote	✓	None	None	None	None
	Xiamen -Hongwen	Urban	✓	✓	None	✓	None
	-Xiaoping	Remote	✓	None	None	None	None
	Zhuhai - Xiang Zhou	Urban	✓	✓	None	✓	None
	-Zhuxiandong	Urban	✓	None	None	None	None
Indonesia	Jakarta	Urban	✓	None	None	None	None
	Serpong	Rural	✓	None	None	None	✓
	Kototabang	Remote	✓	None	None	None	None
	Bandung	Urban	✓	None	None	None	None
Japan	Rishiri	Remote	✓	✓	✓	✓	✓
	Ochiishi	Remote	✓	None	None	None	None
	Tappi	Remote	✓	✓	✓	✓	✓
	Ogasawara	Remote	✓	✓	✓	✓	✓
	Sado-seki	Remote	✓	✓	✓	✓	✓
	Happo	Remote	✓	✓	✓	✓	✓
	Oki	Remote	✓	✓	✓	✓	✓
	Yusuhara	Remote	✓	✓	✓	✓	✓
	Hedo	Remote	✓	✓	✓	✓	✓
	Ijira	Rural	✓	✓	✓	✓	✓
	Banryu	Urban	✓	✓	✓	✓	✓
Lao PDR	Vientiane	Urban	✓	None	None	None	None
Malaysia	Petaling Jaya	Urban	✓	None	None	None	✓
	Tanah Rata	Remote	✓	None	None	None	✓
	Danum Valley	Remote	✓	None	None	None	None
Mongolia	Ulaanbaatar	Urban	✓	None	None	None	✓
	Terelj	Remote	✓	None	None	None	✓
Philippines	Metro Manila	Urban	✓	None	None	None	✓
	Los Banos	Rural	✓	None	None	None	✓
Republic of Korea	Kanghwa	Rural	✓	✓	✓	✓	✓
	Cheju(Kosan)	Remote	✓	✓	✓	✓	✓
	Imsil	Rural	✓	✓	✓	✓	✓
Russia	Mondy	Remote	✓	None	✓	None	✓
	Listvyanka	Rural	✓	None	None	None	✓
	Irkutsk	Urban	✓	None	None	None	✓
	Primorskaya	Rural	✓	None	None	None	✓
Thailand	Bangkok	Urban	✓	✓	None	✓	✓
	Samutprakarn	Urban	✓	✓	✓	None	None
	Patumthani	Rural	✓	None	None	None	✓
	Khanchanaburi (Vachiralongkorn Dam)	Remote	✓	✓	✓	✓	✓
	Chiang Mai(Mae Hia)	Rural	✓	✓	✓	✓	✓
Vietnam	Hanoi	Urban	✓	None	None	None	✓
	Hoa Binh	Rural	✓	None	None	None	✓

3. Wet Deposition Monitoring

3.1 Method

To obtain the equivalent quality of monitoring data, each participating country carries out acid deposition monitoring fundamentally by common methodologies specified in the "Technical Documents for Wet deposition Monitoring in East Asia" adopted at The Second Interim Scientific Advisory group Meeting in March 2000. An example of the flow chart that was carried out by participating countries is described in Fig.3.1.



(a) After EC and pH measurement, Sample Volume is not Sufficient for Ion Measurement

Do not Filter → Measure EC → Measure pH
Filter → Refrigerate at 4°C → Dilute 2-10 Times → Measure Ions

(b) Not Sufficient Volume for EC, pH and Ion Measurement

Filter → Refrigerate at 4°C → Dilute 2-10 Times → Measure Ions

The Order of Measurement Priority

(1) SO_4^{2-}, NO_3^- and Cl^- by Ion Chromatography (IC)

(2) NH_4^+, Na^+, K^+, Ca^{2+} and Mg^{2+} by IC, when a cation column is available

(2) If not, NH_4^+ by spectrophotometry

(3) Na^+, K^+, Ca^{2+} and Mg^{2+} by Atomic Absorption Spectrophotometry (AAS)

(4) EC and pH

Fig. 3.1 Flow chart of sampling and chemical analysis of wet deposition

1) Field Operation

Most of the participating countries use the wet-only sampler designed to collect precipitation samples during the period of rainfall only by installing the precipitation sensor and motor-driven tightfitting lid to cover a collecting bucket or funnel. The wet-only sampler is a recommended method for sampling of precipitation. However, a manual sampler is installed at some sites with collection of rainwater by manual operation. Precipitation samples are collected on a daily basis at 35 sites of 47, while weekly collecting is performed at 12 sites, as presented in Table 3.1. For wet deposition samples collected in a tropical region, a preservation of samples from microbial decomposition should be considered. Biocides such as Thymol are added for that purpose when a refrigerator is not available during sampling, shipping and storage periods. On the other hand, sampling of wet deposition in the higher latitude region such as Mongolia and Russia during winter seasons faces difficulties because of low air temperature has falling sometimes below minus 10 to 20°C. Collected samples without biocides were shipped to laboratories in charge of chemical analysis by cooling box to keep the sample temperature low enough to preserve the sample chemistry.

2) Laboratory Operation

Procedures suggested for rainwater major constituent analysis by the manual are shown in Table 3.2. Ion Chromatography is a major analytical method adopted by the participating countries for chemical analysis of both anions and cations contained in precipitation samples (Table 3.3). Atomic Absorption Spectrometry for Na^+, K^+, Ca^{2+}, and Mg^{2+}, and Spectrophotometry for NH_4^+ are also useful tools for the determination of these cations. However, some countries have to solve a problem of poor detection limit because of they use traditional methods with not enough analytical sensitivity, such as titration ones.

3) Data Management

Analytical data of precipitation samples were submitted from the participating laboratories to the National Centers. Then each National Center submitted the data to the Network Center. All the data were checked using ion balance and conductivity agreement by calculating ion balance (R_1) and conductivity agreement (R_2). If a sample or individual datum has problems including “insufficient sample volume” or “low precision”, the flags corresponding to the problems were attached to the data. Details of data management are described in the “Quality Assurance/Quality Control (QA/QC) Program for Wet Deposition Monitoring in East Asia” adopted at the Second Interim Scientific Advisory group Meeting in March 2000.

4) Meteorological Measurement

Wind direction/speed, temperature, humidity, precipitation amount and solar radiation in relation to wet deposition should be measured at the nearest meteorological station in accordance with the measurement frequencies and methods of the meteorological monitoring system of each country.

Table 3.1 Sampling Method for Wet Deposition Monitoring

Country	Name of sites	Characteristics of sites	Sampling Interval	Starting Month
Cambodia	Phnom Penh	Urban	Weekly	April '04
China	Guanyinqiao (Chongqing)	Urban	Daily	April '99
	Jinyunshan (Chongqing)	Rural	Daily	April '99
	Shizhan (Xi'an)	Urban	Daily	April '99
	Weishuiyuan (Xi'an)	Rural	Daily	April '99
	Jiwozi (Xi'an)	Remote	Daily	April '99
	Hongwen (Xiamen)	Urban	Daily	April '99
	Xiaoping (Xiamen)	Remote	Daily	April '99
	Xiang Zhou (Zhuhai)	Urban	Daily	April '99
	Zhuxian Cavern (Zhuhai)	Urban	Daily	December '99
Indonesia	Jakarta	Urban	Weekly	April '98
	Serpong	Rural	Daily	April '98
	Kototabang	Remote	Weekly	April '98
	Bandung	Urban	Daily	January '99
Japan	Rishiri	Remote	Daily	April '98
	Ochiishi	Remote	Daily	January '03
	Tappi	Remote	Daily	April '98
	Sado-seki	Remote	Daily	April '99
	Happo	Remote	Daily	April '98
	Ijira	Rural	Weekly	June '99
	Oki	Remote	Daily	April '98
	Banryu	Urban	Weekly	May '99
	Yusuhara	Remote	Daily	December '99
	Hedo	Remote	Daily	December '99
	Ogasawara	Remote	Daily	May '99
Lao PDR	Vientian	Urban	Daily	October '03
Malaysia	Petaling Jaya	Urban	Weekly	April '98
	Tanah Rata	Remote	Weekly	January '99
	Danum Valley	Remote	Weekly	January '05
Mongolia	Ulaanbaatar	Urban	Daily	August '98
	Terelj	Remote	Daily	September '98
Philippines	Metro Manila	Urban	Weekly	April '99
	Los Banos	Rural	Weekly	April '99
Republic of Korea	Kanghwa	Rural	Daily	March '99
	Cheju (Kosan)	Remote	Daily	April '99
	Imsil	Rural	Daily	January '01
Russia	Mondy	Remote	Daily	May '99
	Listvyanka	Rural	Daily	January '00
	Irkutsk	Urban	Daily	January '00
	Primorskaya	Rural	Daily	February '02
Thailand	Bangkok	Urban	Daily	April '99
	Samutprakarn	Urban	Daily	January '04
	Patumthani	Rural	Daily	March '99
	Khanchanaburi	Remote	Daily	April '99
	Chiang Mai (Mae Hia)	Rural	Daily	January '01
Viet Nam	Hanoi	Urban	Weekly	August '99
	Hoa Binh	Rural	Weekly	August '99

Table 3.2 Procedures suggested for rainwater major constituent analysis

Analysis	Instrumental Method
Electric Conductivity (EC)	Conductivity Cell
pH	Glass electrode (preferably with the Electrode of non-leak inner cell)
Cl^-, NO_3^-, SO_4^{2-}, NO_2^-, F^-, PO_4^{3-}	Ion Chromatography (preferably with suppressor) Spectrophotometry
NH_4^+	Ion Chromatography Spectrophotometry (Indophenol blue)*
Na^+, K^+, Ca^{2+}, Mg^{2+}	Ion Chromatography Atomic Absorption/ Emission Spectrometry
Heavy Metals, Al Hg	Atomic Absorption Spectrometry with Graphite Furnace, ICP Emission Spectrometry, ICP/MS, Mercury Analyzer With a Gold Trap
Organic Acids	Ion Chromatography

* Not recommended if the biocide, thymol, is used in sample collection.

Table 3.3 Analytical Method for Wet Deposition Monitoring

Country	Name of sites	Characteristics of sites	Anion Analysis	Cation Analysis	
				NH_4^+	Other Cations
Cambodia	Phnom Penh	Urban	SP	SP	-
China	Guanyinqiao (Chongqing)	Urban	IC	IC	IC
	Jinyunshan (Chongqing)	Rural	IC	IC	IC
	Shizhan (Xi'an)	Urban	IC	IC	IC
	Weishuiyuan (Xi'an)	Rural	IC	IC	IC
	Jiwozi (Xi'an)	Remote	IC	IC	IC
	Hongwen (Xiamen)	Urban	IC	SP	IC
	Xiaoping (Xiamen)	Remote	IC	SP	IC
	Xiang Zhou (Zhuhai)	Urban	IC	IC	IC
	Zhuxian Cavern (Zhuhai)	Urban	IC	IC	IC
Indonesia	Jakarta	Urban	IC	IC	IC
	Serpong	Rural	IC	IC	IC
	Kototabang	Remote	IC	IC	IC
	Bandung	Urban	IC	IC	IC
Japan	Rishiri	Remote	IC	IC	IC
	Ochiishi	Remote	IC	IC	IC
	Tappi	Remote	IC	IC	IC
	Sado-seki	Remote	IC	IC	IC
	Happo	Remote	IC	IC	IC
	Ijira	Rural	IC	IC	IC
	Oki	Remote	IC	IC	IC
	Banryu	Urban	IC	IC	IC
	Yusuhara	Remote	IC	IC	IC
	Hedo	Remote	IC	IC	IC
	Ogasawara	Remote	IC	IC	IC
Lao PDR	Vientian	Urban	-	-	-
Malaysia	Petaling Jaya	Urban	IC	IC	IC
	Tanah Rata	Remote	IC	IC	IC
	Danum Valley	Remote	IC	IC	IC
Mongolia	Ulaanbaatar	Urban	IC	IC	IC
	Terelj	Remote	IC	IC	IC
Philippines	Metro Manila	Urban	IC	SP	AAS
	Los Banos	Rural	IC	SP	AAS
Republic of Korea	Kanghwa	Rural	IC	IC	IC
	Cheju (Kosan)	Remote	IC	IC	IC
	Imsil	Rural	IC	IC	IC
Russia	Mondy	Remote	LC	SP	AAS, FP
	Listvyanka	Rural	LC	SP	AAS, FP
	Irkutsk	Urban	LC	SP	AAS, FP
	Primorskaya	Rural	SP, TI	SP	AAS, FP
Thailand	Bangkok	Urban	IC	IC	IC
	Samutprakarn	Urban	IC	IC	IC
	Patumthani	Rural	IC	IC	IC
	Khanchanaburi	Remote	IC	IC	IC
	Chiang Mai (Mae Hia)	Rural	IC	IC	IC
Viet Nam	Hanoi	Urban	IC	IC	IC
	Hoa Binh	Rural	IC	IC	IC

(Note)

AAS: Atomic Absorption Spectrometry, FP: Frame Photometry, IC: Ion Chromatography, SP: Spectrophotometry, TI: Titration, LC: Liquid Chromatography, -: not analyzed

3.2 Results of Monitoring

The monthly summaries of each monitoring site in 2005 are shown in Table 3.6 through Table 3.52. The annual summaries of wet deposition monitoring in 2005 are shown in Table 3.53 through Table 3.55. The ion balance (R_1) and the conductivity agreement (R_2) of each monitoring site are shown in Fig.3.2 through Fig 3.46 and Table 3.56. The summaries of annual data from 2000 to 2005 are shown in Table 3.57 through Table 3.81. The data in 2000 is based on the preparatory-phase activities of EANET. The summaries contain the precipitation amount weighted average, the maximum and minimum data reported over the year, data completeness (%PCL, %TP), the wet deposition amount, and the results of ion balance and conductivity agreement check.

1) Overview of the statistics and definition

An Overview of the statistics and definition is given below.

Weighted average: the precipitation amount average concentration (μmol/L) over the summary period. Calculated as:

$\hat{C} = \Sigma C_i P_i / \Sigma P_i$

Where $\hat{C}$: precipitation amount weighted average concentration

C_i : measured valid concentration for sample i

P_i : precipitation amount for the same sample i with valid concentration

Deposition amount: the wet deposition amount ($mmol/m^2$) for the summary period. Calculated as:

Deposition amount = $\hat{C}$ x (total precipitation amount for the summary period)

The concentrations for the sampling periods with missing data have consequently been assumed to be equal to the weighted average of the summary period.

Non-sea-salt sulfate and non-sea-salt calcium (μmol/L): Equal to the measured sulfate (calcium) in the sample minus the sulfate (calcium) contributed by sea salt. Sea salt sulfate (calcium) is estimated from the concentration of sodium.

$[nss\text{-}SO_4^{2-}] = [SO_4^{2-}] - 0.06028 \times [Na^+]$

$[nss\text{-}Ca^{2+}] = [Ca^{2+}] - 0.02161 \times [Na^+]$

(Na^+ : 468.3 mmol/L, SO_4^{2-} : 28.23 mmol/L, Ca^{2+} : 10.12 mmol/L; ”Guide to maritime observation” Oceanographic Society of Japan)

Data completeness:

(i) Percent precipitation coverage length (%PCL): Percentage of days with measured precipitation plus no precipitation days in the summary period. Calculated as:

%PCL = [(Number of days in the summary period) - (Number of days with missing or unknown precipitation)] / (Number of days in the summary period) x 100

(ii) Percent total precipitation (%TP): Percentage of total precipitation amount over the summary period represented by valid component measurements. Calculated as:

%TP = (Sum of precipitation amounts for samples with valid sample component measurements) / (Sum of precipitation amounts for all samples) x 100

(iii) Data completeness criteria for monthly and annual summaries:

%PCL $\geq$ 80%, and %TP $\geq$ 80%

The low values on data completeness were caused by some trouble, such as contamination of sample and malfunction of the wet-only sampler or the rain gauge.

Ion balance (R_1): Calculated as:

$R_1 = (C - A) / (C + A) \times 100$ (%)

Where C: total cation equivalent concentration (μeq/L)

A: total anion equivalent concentration (μeq/L)

$C = 10^{(6-pH)} / 1.008 + \Sigma C_{Ci} \cdot V_i$

Where C_{Ci}: the concentration of i-th cation (μmol/L)

V_i: the valence of the given ion

$A = \Sigma C_{Ai} \cdot V_i$

Where C_{Ai} : the concentration of i-th anion (μmol/L)

If pH is greater than 6, hydrogen carbonate (HCO_3^-) concentration is included for the computation of R_1 and R_2. The HCO_3^- concentration is calculated from the dissociation constant, Ka and pH. (If the HCO_3^- concentration is measured, the measured data is considered in the evaluation of R_1 and R_2). Calculated as:

$[HCO_3^-] = P_{CO2} H_{CO2} Ka_1 / [H^+] = (360 \times 10^{-6}) \times (3.4 \times 10^{-2}) \times 10^{(pH-6.35+6)} = 1.24 \times 10^{(pH-5.35)}$

Air concentration of CO_2 in equilibrium with precipitation samples is assumed to be 360ppm. Dissociation constant in terms of pKa for carbonic acid is 6.35.

Required criteria for R_1 : The required ion balances of precipitation analyses are given in Table 3.4.

Table 3.4 Required criteria for R_1

(C+A) (μeq/L)	R_1 (%)
<50	± 30
50 – 100	± 15
>100	± 8

Conductivity agreement (R_2) : Calculated as:

$R_2 = (\Lambda_{calc} - \Lambda_{meas}) / (\Lambda_{calc} + \Lambda_{meas}) \times 100$ (%)

Where Λ_{calc} : the calculated conductivity (mS/m)

Λ_{meas} : the measured conductivity (mS/m)

$\Lambda_{calc} = \Sigma C_i \Lambda_i^0 \times 10^{-4}$

Where C_i : the ionic concentration of i-th ion (μmol/L)

Λ_i^0 : the molar conductivity at infinite dilution and 25°C (Scm^2/mol)

$\Lambda_{calc} = \{349.7 \times 10^{(6-pH)} + 80.0 \times 2c(SO_4^{2-}) + 71.5c(NO_3^-) + 76.3c(Cl^-) + 73.5c(NH_4^+) + 50.1c(Na^+) + 73.5c(K^+) + 59.8 \times 2c(Ca^{2+}) + 53.3 \times 2c(Mg^{2+})\}/10000$

Where c( ) : the ionic concentrations (μmol/L)

The constants are the molar conductivity of the individual ion at infinite dilution at 25°C (Scm^2/mol).

Required criteria for R_2 : The required conductivity comparison criteria are given in Table 3.5.

Table 3.5 Required criteria for R_2

Λ_{meas} (mS/m)	R_2 (%)
<0.5	±20
0.5 – 3	±13
>3	±9

2) Terms and abbreviations

Terms and abbreviations indicate the followings:

- Data in hatched column ( ) : Rejected monthly (annual) value by the criteria [%PCL<80% and/or %TP<80%]
- [--] : Precipitation was 0 mm.
- [*] : The constituent was not measured although precipitation was not 0 mm. [%TP<80%]
- [**]: Precipitation was not measured. [%PCL<80%]

(In Table 3.57 through Table 3.81 Annual summaries from 2000 to 2005,)

- [***]: No data or not measured
- Black column ( ) : Monitoring was not carried out.

In Table 3.6 -Table 3.52 Volume-weighted mean concentrations / precipitation / deposition (monthly)

- Max: Maximum monitoring data for a year
- Min: Minimum monitoring data for a year

For H^+ concentration,

- [<0.1] : <0.1μmol/L

For concentration of other constituent,

- [<0.2], [<0.4], [<1.0] : The values are lower than each Recommended Minimum Detectable Amount (MDA) given by the technical manual for wet deposition

monitoring

- SO_4^{2-}, nss-SO_4^{2-}, NO_3^-, Cl^-, NH_4^+, Na^+, K^+ : <1.0μmol/L
- Ca^{2+}, nss-Ca^{2+} : <0.2μmol/L
- Mg^{2+} : <0.4μmol/L

For deposition,

- [0.00] : Deposition amount is zero. (Precipitation was 0 mm.)
- [<0.01] : <0.01mmol/m^2

In Table 3.56 Results of ion balance (R_1) and conductivity agreement check (R_2),

- Sample (N) : Number of samples
- R_1 (N) : Number of samples measured and calculated ion balance (R_1)
- R_1 (AA) : Number of samples within allowable ranges for R_1
- R_2 (N) : Number of samples measured and calculated conductivity agreement (R_2)
- R_2 (AA) : Number of samples within allowable ranges for R_2
- R_1&R_2 (N) : Number of samples measured and calculated both R_1 and R_2
- R_1&R_2 (AA) : Number of samples within allowable ranges of both $R_1$and R_2

In Table 3.82 Site identification code

In Fig.3.2 - 3.46 descriptions are as follows.

(1) Ion Balance (R_1)

- (C + A) is logarithm scale
- Horizontal bar : The allowable range of R_1 in each concentration range

(2) Conductivity Agreement (R_2)

- (Λ_{meas}) is logarithm scale
- Horizontal bar : The allowable range of R_2 in each conductivity range

R_1 and R_2 were calculated including the following items:

- Guanyinqiao and Jinyunshan (China): F^-
- Mondy, Listvjanka and Irkutsk (Russia): HCO_3^-, NO_2^-, Br^-
- Primorskaya (Russia): HCO_3^-

Site: Phnom Penh **Country: Cambodia**

Table 3.6 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Apr	*	*	*	*	*	*	*	*	*	*	4.3	5.37	3.22	18.9
May	2.6	*	*	2.0	44.8	*	*	*	*	*	0.3	6.51	1.49	64.6
June	*	*	*	3.0	*	*	*	*	*	*	0.6	6.19	1.27	41.5
July	13.1	*	*	26.4	22.3	*	*	*	*	*	0.9	6.05	1.37	159.4
Aug	8.4	*	*	23.8	17.7	*	*	*	*	*	0.4	6.43	0.74	148.0
Sept	4.9	*	*	6.0	19.1	*	*	*	*	*	0.1	6.86	0.79	242.3
Oct	4.4	*	*	1.7	9.8	*	*	*	*	*	0.5	6.31	0.47	451.7
Nov	2.5	*	*	2.0	16.1	*	*	*	*	*	0.2	6.77	0.63	139.8
Dec	3.3	*	*	12.0	14.0	*	*	*	*	*	0.5	6.32	0.66	41.7
Annual	**5.7**	*	*	**6.2**	**16.3**	*	*	*	*	*	**0.5**	**6.32**	**0.81**	**1307.8**
Max.	14.2	<1.0	<1.0	29.1	44.8	<1.0	<1.0	<0.2	<0.2	<0.4	4.3	7.44	4.23	
Min.	2.0	<1.0	<1.0	1.2	4.3	<1.0	<1.0	<0.2	<0.2	<0.4	<0.1	5.37	0.28	

Table 3.6 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	*	*	*	*	*	*	*	*	*	*	0.08
May	0.17	*	*	0.13	2.89	*	*	*	*	*	0.02
June	*	*	*	0.13	*	*	*	*	*	*	0.03
July	2.08	*	*	4.21	3.56	*	*	*	*	*	0.14
Aug	1.24	*	*	3.52	2.62	*	*	*	*	*	0.05
Sept	1.19	*	*	1.46	4.64	*	*	*	*	*	0.03
Oct	2.00	*	*	0.76	4.42	*	*	*	*	*	0.22
Nov	0.35	*	*	0.29	2.25	*	*	*	*	*	0.02
Dec	0.14	*	*	0.50	0.59	*	*	*	*	*	0.02
Annual	**7.43**	*	*	**8.12**	**21.3**	*	*	*	*	*	**0.63**

Table 3.6 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Apr	0	0	0	0	0	0	0	0	0	0	100	100	100	100
May	90	0	0	90	69	0	0	0	0	0	100	100	100	100
June	0	0	0	90	0	0	0	0	0	0	100	100	100	100
July	92	0	0	6	92	0	0	0	0	0	100	100	100	100
Aug	100	0	0	98	98	0	0	0	0	0	100	100	100	100
Sept	100	0	0	100	100	0	0	0	0	0	100	100	100	100
Oct	100	0	0	100	100	0	0	0	0	0	100	100	100	100
Nov	100	0	0	88	100	0	0	0	0	0	100	100	100	100
Dec	100	0	0	100	100	0	0	0	0	0	100	100	100	100
Annual	**94**	**0**	**0**	**85**	**93**	**0**	**0**	**0**	**0**	**0**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Guanyinqiao **Country: China**

Table 3.7 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	919	917	375	104	706	43.7	76.3	608	608	53.4	94.1	4.03	33.3	7.8
Feb	229	228	57.3	24.3	184	13.3	18.1	180	179	20.7	15.0	4.83	8.15	27.9
Mar	205	204	70.7	22.1	213	14.8	16.9	135	134	18.3	32.7	4.49	8.02	75.1
Apr	159	158	53.3	13.0	157	7.5	9.8	95.2	95.0	11.4	14.0	4.85	5.76	109.9
May	119	119	32.5	9.6	139	5.8	6.5	69.4	69.3	8.9	10.5	4.98	4.42	180.0
June	133	133	40.0	11.9	153	4.4	6.8	96.5	96.5	8.1	6.8	5.17	4.83	124.5
July	114	113	32.1	11.6	77.7	4.1	8.7	131	131	8.9	2.6	5.59	4.48	116.0
Aug	214	213	20.2	16.7	103	7.7	11.9	248	248	13.1	6.7	5.18	7.47	228.2
Sept	184	184	15.7	27.4	142	8.5	10.1	174	174	11.9	9.7	5.01	6.97	65.2
Oct	233	232	69.9	24.5	242	10.3	19.9	170	170	12.9	11.9	4.93	8.23	97.6
Nov	368	367	38.5	49.1	264	16.4	25.3	279	278	27.8	13.1	4.88	12.3	31.5
Dec	567	565	42.9	75.0	571	33.7	60.5	351	350	39.1	19.1	4.72	18.3	13.5
Annual	**186**	**185**	**41.3**	**18.3**	**157**	**8.3**	**12.4**	**156**	**156**	**12.7**	**11.2**	**4.95**	**6.70**	**1077.2**
Max.	1650	1650	581	156	1180	165	149	2450	2450	149	224	7.31	45.2	
Min.	54.6	54.6	2.8	2.0	31.8	<1.0	1.3	33.2	33.1	2.4	<0.1	3.65	2.04	

Table 3.7 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	7.17	7.15	2.93	0.81	5.51	0.34	0.59	4.75	4.74	0.42	0.73
Feb	6.39	6.37	1.60	0.68	5.13	0.37	0.51	5.01	5.00	0.58	0.42
Mar	15.4	15.3	5.31	1.66	16.0	1.11	1.27	10.1	10.1	1.38	2.46
Apr	17.4	17.4	5.86	1.43	17.2	0.82	1.08	10.5	10.4	1.26	1.54
May	21.4	21.4	5.85	1.72	25.0	1.04	1.17	12.5	12.5	1.61	1.89
June	16.6	16.6	4.98	1.48	19.0	0.54	0.84	12.0	12.0	1.01	0.85
July	13.2	13.1	3.72	1.35	9.01	0.48	1.01	15.2	15.2	1.03	0.30
Aug	48.8	48.7	4.61	3.81	23.4	1.76	2.72	56.6	56.5	2.99	1.52
Sept	12.0	12.0	1.02	1.79	9.25	0.55	0.66	11.4	11.4	0.77	0.63
Oct	22.7	22.7	6.82	2.39	23.6	1.00	1.95	16.6	16.6	1.26	1.16
Nov	11.6	11.6	1.21	1.55	8.33	0.52	0.80	8.78	8.77	0.88	0.41
Dec	7.66	7.63	0.58	1.01	7.71	0.46	0.82	4.74	4.73	0.53	0.26
Annual	**200**	**200**	**44.5**	**19.7**	**169**	**8.99**	**13.4**	**168**	**168**	**13.7**	**12.1**

Table 3.7 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	94	94	94	100
Feb	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	98	98	98	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Jinyunshan **Country: China**

Table 3.8 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	1360	1350	524	176	1020	77.9	135	1060	1060	56.9	121	3.92	37.7	14.7
Feb	274	272	87.7	86.0	281	21.5	81.5	176	175	13.7	58.0	4.24	11.9	18.7
Mar	136	135	52.2	25.0	143	14.2	17.1	73.9	73.6	5.4	72.8	4.14	7.22	77.8
Apr	102	101	45.7	17.9	134	14.1	11.0	47.2	46.9	5.4	31.4	4.50	4.80	86.6
May	95.5	94.2	35.5	15.7	120	20.4	10.5	38.3	37.9	3.2	28.6	4.54	4.29	144.9
June	68.1	67.2	22.1	11.0	92.0	14.4	6.8	19.9	19.6	1.7	20.5	4.69	2.97	164.4
July	56.0	54.8	19.2	12.7	76.4	19.4	6.4	15.5	15.1	1.1	16.0	4.80	2.53	220.4
Aug	76.1	75.2	17.9	11.0	67.0	15.3	8.1	45.8	45.5	2.0	11.4	4.94	2.96	349.0
Sept	88.7	87.7	21.9	11.2	90.6	16.7	8.5	65.2	64.9	2.0	11.3	4.95	3.70	122.4
Oct	92.5	92.2	25.7	7.7	76.8	5.5	7.9	61.9	61.8	2.1	20.8	4.68	3.77	188.4
Nov	156	155	59.5	15.5	153	7.0	17.4	98.7	98.5	4.6	35.1	4.46	6.56	57.7
Dec	383	383	235	49.2	365	9.8	43.6	274	274	12.7	80.7	4.09	16.1	16.4
Annual	**102**	**101**	**34.4**	**15.5**	**105**	**15.3**	**11.4**	**57.7**	**57.4**	**3.2**	**23.7**	**4.62**	**4.23**	**1461.4**
Max.	1950	1940	763	243	1500	102	217	1330	1330	78.1	219	7.11	48.1	
Min.	36.4	35.5	8.7	3.6	11.4	2.0	1.8	8.2	7.8	<0.4	<0.1	3.66	1.43	

Table 3.8 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	20.0	19.9	7.70	2.58	15.0	1.15	1.98	15.6	15.5	0.84	1.77
Feb	5.12	5.10	1.64	1.61	5.26	0.40	1.52	3.29	3.28	0.26	1.08
Mar	10.6	10.5	4.06	1.95	11.1	1.11	1.33	5.75	5.73	0.42	5.67
Apr	8.79	8.72	3.96	1.55	11.6	1.22	0.95	4.09	4.06	0.47	2.72
May	13.8	13.7	5.14	2.28	17.4	2.95	1.51	5.55	5.49	0.46	4.15
June	11.2	11.0	3.63	1.81	15.1	2.37	1.11	3.28	3.22	0.27	3.38
July	12.3	12.1	4.23	2.81	16.8	4.28	1.41	3.41	3.32	0.24	3.53
Aug	26.6	26.2	6.24	3.85	23.4	5.36	2.82	16.0	15.9	0.70	3.96
Sept	10.9	10.7	2.68	1.38	11.1	2.04	1.04	7.99	7.94	0.24	1.38
Oct	17.4	17.4	4.84	1.45	14.5	1.03	1.49	11.7	11.6	0.39	3.91
Nov	8.99	8.97	3.43	0.89	8.85	0.40	1.00	5.69	5.69	0.26	2.02
Dec	6.29	6.28	3.85	0.81	5.99	0.16	0.71	4.49	4.49	0.21	1.32
Annual	**149**	**148**	**50.2**	**22.6**	**154**	**22.3**	**16.6**	**84.3**	**83.9**	**4.63**	**34.7**

Table 3.8 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	84	84	84	84	84	84	84	84	84	84	84	84	84	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Shizhan **Country: China**

Table 3.9 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	529	519	38.5	89.6	279	158	29.7	267	264	51.5	<0.1	7.08	17.8	9.0
Mar	636	632	28.5	96.7	266	79.0	25.7	484	482	47.7	<0.1	7.06	20.2	6.9
Apr	426	421	65.5	62.0	319	83.5	32.2	354	352	48.9	<0.1	7.19	14.9	17.2
May	160	159	11.6	39.8	169	24.5	11.4	146	146	21.7	0.1	6.98	7.51	41.1
June	98.9	98.5	8.1	33.3	83.1	6.2	6.6	106	106	11.5	0.4	6.43	3.87	79.5
July	79.8	78.9	14.2	19.9	32.2	15.5	94.5	70.7	70.4	16.1	0.3	6.49	3.80	45.0
Aug	84.3	83.5	6.8	30.9	29.0	12.7	6.3	75.3	75.1	12.2	0.7	6.17	3.35	103.8
Sept	81.5	81.2	7.1	29.1	51.4	5.8	4.6	61.7	61.6	6.8	1.9	5.72	4.10	99.9
Oct	115	114	11.7	33.7	58.6	5.9	4.4	101	101	5.3	15.9	4.80	4.96	104.1
Nov	237	235	48.4	70.5	91.7	28.7	14.8	220	220	13.6	0.9	6.05	8.22	2.3
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Annual	**126**	**125**	**12.1**	**34.4**	**77.2**	**16.1**	**15.4**	**107**	**107**	**13.2**	**3.9**	**5.41**	**5.18**	**508.8**
Max.	636	632	109	96.7	481	158	257	589	586	75.2	38.0	7.65	21.6	
Min.	36.6	36.0	3.0	4.2	1.9	2.3	1.3	35.2	35.1	2.3	<0.1	4.42	1.47	

Table 3.9 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	4.76	4.67	0.35	0.81	2.51	1.42	0.27	2.41	2.37	0.46	<0.01
Mar	4.39	4.36	0.20	0.67	1.83	0.55	0.18	3.34	3.33	0.33	<0.01
Apr	7.33	7.25	1.13	1.07	5.49	1.44	0.55	6.09	6.05	0.84	<0.01
May	6.59	6.53	0.48	1.63	6.95	1.01	0.47	6.01	5.98	0.89	<0.01
June	7.86	7.83	0.64	2.65	6.60	0.49	0.52	8.42	8.41	0.91	0.03
July	3.59	3.55	0.64	0.89	1.45	0.70	4.25	3.18	3.17	0.73	0.01
Aug	8.75	8.67	0.70	3.21	3.01	1.32	0.65	7.82	7.79	1.26	0.07
Sept	8.15	8.11	0.71	2.91	5.14	0.58	0.46	6.17	6.15	0.68	0.19
Oct	11.9	11.9	1.22	3.51	6.10	0.62	0.46	10.5	10.5	0.56	1.65
Nov	0.54	0.54	0.11	0.16	0.21	0.07	0.03	0.51	0.50	0.03	<0.01
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	**63.9**	**63.4**	**6.16**	**17.5**	**39.3**	**8.18**	**7.85**	**54.4**	**54.3**	**6.69**	**1.96**

Table 3.9 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Weishuiyuan **Country: China**

Table 3.10 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	820	814	70.0	137	379	100	43.1	706	704	62.6	0.2	6.79	32.1	4.3
Mar	713	707	41.6	122	250	95.6	29.0	667	665	55.3	<0.1	7.12	26.0	4.6
Apr	281	271	12.9	86.3	218	170	16.4	289	285	5.4	<0.1	7.05	11.7	14.1
May	133	132	9.4	36.7	161	13.7	8.6	85.2	84.9	17.2	0.1	6.96	5.21	47.0
June	81.0	80.7	7.1	33.2	52.7	5.3	6.0	82.0	81.9	7.5	0.2	6.66	3.46	47.7
July	107	105	32.6	29.4	51.7	27.4	63.0	99.6	99.0	14.1	0.7	6.17	5.42	44.1
Aug	69.7	68.5	6.8	29.5	35.4	20.8	8.3	51.8	51.4	12.5	1.8	5.76	2.81	81.7
Sept	56.6	56.3	5.0	28.0	30.8	3.7	3.2	47.8	47.7	3.2	21.4	4.67	3.03	95.1
Oct	103	102	10.8	35.2	42.7	10.4	5.0	85.7	85.5	9.7	8.8	5.06	4.27	98.1
Nov	158	143	12.0	236	14.0	256	11.2	124	118	51.3	0.5	6.33	7.43	2.2
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Annual	**107**	**106**	**11.4**	**36.5**	**64.4**	**20.5**	**12.6**	**91.0**	**90.6**	**10.9**	**7.0**	**5.15**	**4.61**	**438.9**
Max.	820	814	87.3	236	379	256	120	706	704	62.6	36.3	7.96	32.1	
Min.	37.5	36.7	3.6	12.0	<1.0	2.3	1.6	22.1	22.1	1.3	<0.1	4.44	1.69	

Table 3.10 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	3.53	3.50	0.30	0.59	1.63	0.43	0.19	3.04	3.03	0.27	<0.01
Mar	3.28	3.25	0.19	0.56	1.15	0.44	0.13	3.07	3.06	0.25	<0.01
Apr	3.97	3.82	0.18	1.22	3.07	2.39	0.23	4.08	4.03	0.08	<0.01
May	6.24	6.20	0.44	1.72	7.57	0.65	0.40	4.01	3.99	0.81	<0.01
June	3.87	3.85	0.34	1.59	2.51	0.26	0.28	3.91	3.91	0.36	0.01
July	4.72	4.65	1.44	1.30	2.28	1.21	2.78	4.39	4.36	0.62	0.03
Aug	5.70	5.59	0.55	2.41	2.89	1.70	0.68	4.24	4.20	1.02	0.14
Sept	5.38	5.36	0.48	2.66	2.93	0.35	0.31	4.55	4.54	0.30	2.03
Oct	10.1	10.0	1.06	3.45	4.19	1.02	0.49	8.41	8.39	0.95	0.86
Nov	0.35	0.31	0.03	0.52	0.03	0.56	0.02	0.27	0.26	0.11	<0.01
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	**47.1**	**46.6**	**5.01**	**16.0**	**28.2**	**9.01**	**5.52**	**39.9**	**39.8**	**4.77**	**3.09**

Table 3.10 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Jiwozi **Country: China**

Table 3.11 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Apr	158	153	14.3	45.7	140	75.6	20.1	105	104	48.6	<0.1	7.37	7.13	19.8
May	64.9	63.6	6.4	32.3	92.1	21.1	9.7	121	120	17.0	0.3	6.56	4.10	59.0
June	174	172	8.3	41.4	27.5	34.7	51.5	167	166	46.7	0.7	6.13	6.42	56.5
July	122	117	12.6	38.7	13.8	73.1	37.9	127	125	31.1	0.7	6.17	6.18	103.5
Aug	124	117	7.0	39.7	13.4	117	25.1	140	137	36.6	0.7	6.14	6.54	57.4
Sept	90.5	89.2	8.7	30.5	46.9	21.3	10.8	57.1	56.6	13.6	0.5	6.27	4.98	28.2
Oct	91.3	88.5	7.1	39.3	12.9	46.5	10.8	147	146	18.7	1.3	5.89	4.65	30.4
Nov	145	140	13.6	49.6	1.5	86.2	19.9	124	122	44.4	0.2	6.69	8.74	6.8
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Annual	**118**	**115**	**9.3**	**38.4**	**37.8**	**59.6**	**27.7**	**129**	**128**	**30.9**	**0.6**	**6.20**	**5.82**	**361.6**
Max.	466	393	45.8	125	338	1220	163	321	319	88.8	2.4	7.61	25.8	
Min.	14.7	11.6	2.5	14.8	<1.0	3.0	1.9	23.2	23.1	4.6	<0.1	5.62	1.30	

Table 3.11 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	3.12	3.03	0.28	0.91	2.77	1.50	0.40	2.09	2.05	0.96	<0.01
May	3.83	3.75	0.38	1.91	5.43	1.24	0.58	7.12	7.09	1.01	0.02
June	9.81	9.69	0.47	2.34	1.56	1.96	2.91	9.43	9.39	2.64	0.04
July	12.6	12.1	1.31	4.00	1.42	7.56	3.92	13.1	12.9	3.22	0.07
Aug	7.12	6.72	0.40	2.28	0.77	6.69	1.44	8.02	7.88	2.10	0.04
Sept	2.55	2.51	0.25	0.86	1.32	0.60	0.30	1.61	1.60	0.38	0.02
Oct	2.78	2.69	0.21	1.20	0.39	1.41	0.33	4.46	4.43	0.57	0.04
Nov	0.99	0.95	0.09	0.34	0.01	0.59	0.14	0.84	0.83	0.30	<0.01
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	**42.8**	**41.5**	**3.37**	**13.9**	**13.7**	**21.6**	**10.0**	**46.7**	**46.2**	**11.2**	**0.23**

Table 3.11 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	87	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	95	95	89	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	92	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Annual	**99**	**99**	**96**	**98**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Hongwen **Country: China**

Table 3.12 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	51.2	50.1	36.8	30.5	51.6	19.2	6.2	30.8	30.3	10.2	37.3	4.43	5.65	123.7
Mar	132	126	103	113	84.2	95.3	12.6	136	134	20.1	35.6	4.45	3.91	319.9
Apr	100	99.4	79.6	36.3	49.7	17.9	6.4	13.3	12.9	0.9	43.5	4.36	5.46	84.0
May	37.2	36.1	39.9	31.6	41.0	18.4	2.8	15.5	15.1	3.5	13.6	4.87	2.18	138.3
June	15.3	13.9	17.2	25.0	29.1	22.2	3.3	9.0	8.5	3.7	14.2	4.85	1.58	168.6
July	14.5	12.9	16.6	8.6	21.9	27.7	4.1	13.9	13.3	3.9	4.6	5.33	1.28	26.5
Aug	16.2	11.5	11.5	100.0	11.4	77.0	2.8	10.8	9.2	10.7	11.7	4.93	1.88	410.3
Sept	20.0	18.4	12.9	36.6	12.7	26.8	2.6	11.6	11.0	3.8	15.4	4.81	1.58	316.0
Oct	18.2	14.6	13.1	78.7	17.2	60.1	2.7	24.5	23.2	8.0	1.0	6.01	1.60	96.3
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Dec	38.4	37.7	13.3	15.1	64.6	12.0	2.6	42.0	41.8	3.3	0.8	6.12	2.22	18.0
Annual	**47.2**	**44.1**	**37.3**	**66.0**	**35.4**	**51.4**	**5.1**	**37.4**	**36.3**	**9.0**	**19.9**	**4.70**	**2.63**	**1701.6**
Max.	643	642	491	601	314	510	64.8	753	741	105	158	6.57	22.7	
Min.	4.2	3.2	5.1	3.9	<1.0	3.5	<1.0	<0.2	<0.2	<0.4	0.3	3.80	0.46	

Table 3.12 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	6.34	6.20	4.55	3.77	6.38	2.38	0.77	3.81	3.75	1.26	4.61
Mar	42.1	40.2	33.0	36.3	26.9	30.5	4.03	43.5	42.9	6.43	11.4
Apr	8.44	8.35	6.69	3.05	4.17	1.50	0.54	1.12	1.09	0.07	3.66
May	5.14	4.99	5.51	4.37	5.67	2.54	0.39	2.14	2.09	0.48	1.88
June	2.57	2.35	2.89	4.22	4.91	3.75	0.55	1.52	1.44	0.62	2.40
July	0.39	0.34	0.44	0.23	0.58	0.73	0.11	0.37	0.35	0.10	0.12
Aug	6.64	4.74	4.72	41.0	4.70	31.6	1.13	4.45	3.77	4.38	4.80
Sept	6.33	5.82	4.08	11.6	4.03	8.46	0.82	3.66	3.48	1.20	4.86
Oct	1.75	1.40	1.26	7.58	1.65	5.79	0.26	2.36	2.24	0.77	0.09
Nov	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec	0.69	0.68	0.24	0.27	1.16	0.22	0.05	0.76	0.75	0.06	0.01
Annual	**80.4**	**75.1**	**63.4**	**112**	**60.2**	**87.4**	**8.65**	**63.7**	**61.8**	**15.4**	**33.8**

Table 3.12 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Xiaoping **Country: China**

Table 3.13 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	30.8	30.1	37.5	16.8	61.1	11.7	5.8	2.7	2.5	1.6	36.0	4.44	2.74	159.0
Mar	28.5	27.3	31.3	16.5	48.7	20.7	6.4	10.0	9.6	1.1	18.6	4.73	3.00	177.1
Apr	69.9	68.1	80.3	33.7	95.3	31.1	7.1	15.4	14.7	4.1	37.8	4.42	4.85	65.4
May	22.6	22.3	26.0	10.3	42.1	5.0	1.4	1.0	0.9	<0.4	23.9	4.62	2.73	358.4
June	17.7	17.4	16.7	6.7	35.5	5.5	2.6	4.8	4.7	0.9	19.2	4.72	1.68	351.9
July	47.4	45.1	39.0	43.7	95.8	38.9	3.4	47.8	47.0	5.6	5.2	5.28	3.10	149.1
Aug	12.7	12.2	9.8	9.4	18.6	8.2	2.4	12.0	11.9	0.9	9.4	5.03	1.32	1135.3
Sept	16.4	16.4	7.0	4.2	12.6	<1.0	1.1	3.3	3.3	0.4	22.1	4.66	1.46	421.5
Oct	16.6	15.6	10.0	20.1	11.8	15.6	3.5	32.9	32.6	2.3	6.3	5.20	1.50	103.7
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Annual	**20.2**	**19.6**	**18.1**	**11.9**	**32.2**	**9.7**	**2.8**	**10.6**	**10.4**	**1.1**	**16.5**	**4.78**	**1.91**	**2921.3**
Max.	164	153	240	182	135	195	17.4	210	208	30.4	83.2	6.92	11.2	
Min.	4.9	4.6	3.7	2.0	1.2	<1.0	<1.0	<0.2	<0.2	<0.4	0.1	4.08	0.61	

Table 3.13 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	4.90	4.78	5.97	2.68	9.72	1.87	0.93	0.43	0.39	0.26	5.72
Mar	5.05	4.83	5.54	2.92	8.62	3.66	1.13	1.78	1.70	0.19	3.29
Apr	4.57	4.45	5.25	2.21	6.23	2.03	0.46	1.01	0.96	0.27	2.47
May	8.11	8.01	9.32	3.69	15.1	1.80	0.52	0.37	0.33	0.10	8.56
June	6.23	6.11	5.86	2.35	12.5	1.94	0.91	1.69	1.65	0.32	6.74
July	7.07	6.72	5.81	6.51	14.3	5.79	0.51	7.13	7.00	0.84	0.78
Aug	14.4	13.9	11.2	10.6	21.1	9.26	2.76	13.7	13.5	0.97	10.6
Sept	6.91	6.89	2.93	1.78	5.32	0.28	0.47	1.38	1.38	0.18	9.32
Oct	1.72	1.62	1.04	2.09	1.23	1.62	0.36	3.41	3.38	0.24	0.65
Nov	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	**59.0**	**57.3**	**52.9**	**34.9**	**94.0**	**28.3**	**8.06**	**30.9**	**30.3**	**3.35**	**48.1**

Table 3.13 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Xiang Zhou **Country: China**

Table 3.14 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	357	348	237	232	366	158	1.5	54.0	50.6	20.0	263	3.58	21.2	3.5
Feb	33.8	31.3	12.9	37.9	106	58.2	16.2	15.1	13.8	3.3	184	3.73	8.69	27.0
Mar	116	108	88.4	132	98.6	131	14.4	36.3	33.4	11.9	119	3.92	10.4	13.1
Apr	98.6	95.5	53.6	28.9	56.9	51.6	8.8	24.1	23.0	10.0	130	3.88	8.73	32.0
May	17.8	13.3	11.5	215	423	118	6.2	7.2	4.7	9.1	11.3	4.95	1.63	166.0
June	13.5	12.7	7.9	24.1	44.2	13.1	<1.0	0.9	0.8	2.4	17.6	4.75	1.29	522.5
July	37.5	37.1	26.5	63.9	2.7	7.7	<1.0	2.1	1.9	4.3	27.5	4.56	2.20	16.5
Aug	20.1	19.6	18.4	51.0	40.9	8.4	<1.0	2.0	1.8	2.4	15.9	4.80	1.73	224.5
Sept	46.1	38.6	41.2	144	20.7	125	<1.0	12.3	9.6	22.2	48.3	4.32	4.61	60.0
Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Nov	28.9	23.3	28.0	32.7	87.8	93.2	9.2	34.0	32.0	24.2	22.4	4.65	4.11	114.0
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Annual	**23.8**	**21.5**	**17.2**	**65.8**	**103**	**44.1**	**2.7**	**7.3**	**6.5**	**6.9**	**27.3**	**4.56**	**2.41**	**1179.1**
Max.	357	348	237	509	1000	489	65.6	58.5	57.7	32.9	355	6.85	21.2	
Min.	3.6	<1.0	1.3	7.9	1.1	<1.0	<1.0	<0.2	<0.2	<0.4	0.1	3.45	0.40	

Table 3.14 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	1.25	1.22	0.83	0.81	1.28	0.55	<0.01	0.19	0.18	0.07	0.92
Feb	0.91	0.84	0.35	1.02	2.85	1.57	0.44	0.41	0.37	0.09	4.97
Mar	1.51	1.41	1.15	1.72	1.29	1.71	0.19	0.47	0.44	0.16	1.56
Apr	3.16	3.06	1.71	0.93	1.82	1.65	0.28	0.77	0.74	0.32	4.17
May	2.95	2.20	1.91	35.6	70.2	19.6	1.03	1.19	0.79	1.50	1.87
June	7.03	6.62	4.14	12.6	23.1	6.84	0.10	0.48	0.44	1.26	9.19
July	0.62	0.61	0.44	1.05	0.04	0.13	0.00	0.03	0.03	0.07	0.45
Aug	4.52	4.41	4.13	11.5	9.18	1.88	0.00	0.45	0.41	0.54	3.57
Sept	2.77	2.32	2.47	8.65	1.24	7.49	0.03	0.74	0.58	1.33	2.90
Oct	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nov	3.29	2.65	3.19	3.73	10.0	10.6	1.05	3.88	3.65	2.75	2.55
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	**28.0**	**25.3**	**20.3**	**77.6**	**121**	**52.0**	**3.13**	**8.62**	**7.62**	**8.10**	**32.2**

Table 3.14 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Zhuxian Cavern **Country: China**

Table 3.15 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	135	131	89.8	91.3	108	80.7	11.4	50.3	48.5	13.4	121	3.92	9.12	29.0
Mar	92.4	82.3	56.5	437	73.4	355	109	156	149	68.0	56.1	4.25	5.95	23.0
Apr	101	98.6	47.3	29.9	78.8	35.9	14.9	38.0	37.2	8.1	125	3.90	7.65	33.5
May	30.7	26.6	19.5	83.2	11.6	68.2	1.2	28.2	26.7	11.5	19.2	4.72	2.45	126.5
June	13.0	10.4	13.2	29.0	6.9	43.0	<1.0	5.0	4.1	1.5	9.8	5.01	1.11	400.5
July	26.8	24.5	19.9	46.4	34.5	38.4	<1.0	5.3	4.5	12.5	8.3	5.08	1.34	65.5
Aug	19.5	17.8	10.1	28.0	26.5	26.6	<1.0	7.7	7.1	5.5	3.0	5.53	1.04	164.5
Sept	41.5	36.2	35.6	75.0	19.9	87.5	3.3	8.2	6.6	9.9	78.8	4.10	4.80	104.5
Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Nov	30.8	25.0	25.1	39.5	64.0	96.5	16.5	32.2	30.1	22.6	11.5	4.94	4.15	115.0
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Annual	**29.5**	**26.1**	**21.5**	**52.6**	**26.1**	**60.9**	**5.6**	**17.0**	**15.7**	**9.1**	**24.4**	**4.61**	**2.49**	**1062.0**
Max.	242	231	250	2050	231	1550	524	612	578	312	282	6.85	19.3	
Min.	6.0	<1.0	<1.0	6.8	<1.0	2.2	<1.0	1.5	<0.2	<0.4	0.1	3.55	0.40	

Table 3.15 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	3.93	3.79	2.60	2.65	3.12	2.34	0.33	1.46	1.41	0.39	3.52
Mar	2.12	1.89	1.30	10.1	1.69	8.17	2.50	3.60	3.42	1.56	1.29
Apr	3.38	3.30	1.58	1.00	2.64	1.20	0.50	1.27	1.25	0.27	4.17
May	3.88	3.36	2.46	10.5	1.46	8.63	0.15	3.57	3.38	1.45	2.43
June	5.21	4.17	5.30	11.6	2.78	17.2	0.10	2.02	1.64	0.61	3.93
July	1.75	1.60	1.31	3.04	2.26	2.52	0.06	0.35	0.30	0.82	0.54
Aug	3.20	2.94	1.65	4.61	4.37	4.38	0.07	1.27	1.17	0.91	0.49
Sept	4.33	3.78	3.72	7.83	2.08	9.15	0.35	0.85	0.69	1.04	8.23
Oct	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nov	3.54	2.87	2.89	4.54	7.36	11.1	1.90	3.70	3.46	2.60	1.32
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	**31.3**	**27.7**	**22.8**	**55.9**	**27.8**	**64.7**	**5.95**	**18.1**	**16.7**	**9.65**	**25.9**

Table 3.15 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Jakarta **Country: Indonesia**

Table 3.16 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	32.3	30.6	33.4	31.6	4.7	29.4	2.2	9.7	9.0	3.4	34.8	4.46	2.72	385.6
Feb	39.4	38.1	57.1	26.5	6.5	21.6	3.0	17.2	16.7	3.0	41.9	4.38	3.42	350.2
Mar	41.2	39.4	64.4	40.1	9.7	30.7	4.5	18.6	17.9	5.0	60.9	4.22	3.82	499.2
Apr	25.1	24.7	50.5	8.1	17.1	5.7	7.9	4.0	3.8	1.8	79.6	4.10	2.81	110.4
May	25.5	24.8	38.9	13.0	19.5	12.0	9.0	3.6	3.3	1.0	38.3	4.42	3.04	54.4
June	44.4	43.6	25.1	14.7	32.1	12.8	14.8	7.5	7.2	1.6	71.4	4.15	3.24	168.0
July	28.3	27.3	29.1	11.9	16.5	15.9	7.6	2.9	2.5	1.4	45.7	4.34	2.90	120.0
Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Sept	63.9	63.0	60.0	226	34.7	15.0	16.0	16.5	16.1	3.4	35.5	4.45	3.81	75.2
Oct	79.2	77.4	189	40.1	12.3	29.7	5.7	96.5	95.9	11.6	36.3	4.44	1.89	100.3
Nov	57.1	56.1	39.2	15.9	18.5	16.6	8.5	26.4	26.1	4.9	82.8	4.08	5.61	77.5
Dec	35.8	34.3	41.6	104	10.0	24.2	4.6	14.7	14.1	2.0	25.6	4.59	3.97	184.5
Annual	**40.3**	**38.9**	**53.9**	**41.6**	**12.4**	**23.2**	**5.7**	**17.4**	**16.9**	**3.6**	**49.1**	**4.31**	**3.37**	**2125.3**
Max.	205	199	478	357	58.0	101	26.8	139	137	41.0	126	6.17	11.8	
Min.	12.2	11.6	<1.0	4.9	<1.0	2.7	<1.0	1.9	1.6	<0.4	0.7	3.90	0.78	

Table 3.16 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	12.5	11.8	12.9	12.2	1.82	11.3	0.84	3.73	3.49	1.31	13.4
Feb	13.8	13.3	20.0	9.28	2.27	7.55	1.05	6.01	5.85	1.06	14.7
Mar	20.6	19.7	32.1	20.0	4.86	15.3	2.24	9.27	8.94	2.49	30.4
Apr	2.77	2.73	5.57	0.89	1.89	0.63	0.87	0.44	0.42	0.20	8.79
May	1.39	1.35	2.12	0.71	1.06	0.65	0.49	0.19	0.18	0.06	2.09
June	7.45	7.33	4.22	2.47	5.39	2.15	2.49	1.26	1.21	0.27	12.0
July	3.40	3.28	3.49	1.43	1.98	1.91	0.91	0.34	0.30	0.16	5.49
Aug	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sept	4.81	4.74	4.51	17.0	2.61	1.13	1.20	1.24	1.21	0.26	2.67
Oct	7.94	7.76	19.0	4.02	1.23	2.98	0.57	9.68	9.62	1.17	3.64
Nov	4.43	4.35	3.04	1.23	1.44	1.29	0.66	2.05	2.02	0.38	6.42
Dec	6.60	6.33	7.67	19.1	1.84	4.46	0.85	2.71	2.61	0.36	4.73
Annual	**85.6**	**82.7**	**115**	**88.4**	**26.4**	**49.4**	**12.2**	**36.9**	**35.9**	**7.72**	**104**

Table 3.16 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Serpong **Country: Indonesia**

Table 3.17 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	20.4	19.4	18.5	17.4	17.9	16.9	3.9	6.9	6.6	3.0	16.3	4.79	1.70	117.2
Feb	22.9	22.0	18.4	16.7	32.5	14.2	2.5	8.8	8.5	3.7	16.2	4.79	1.88	99.9
Mar	22.4	21.3	26.0	25.8	36.2	17.7	12.1	8.7	8.3	2.3	13.8	4.86	2.10	88.3
Apr	43.8	42.5	50.5	27.4	59.5	21.3	5.4	17.7	17.2	5.7	36.7	4.44	3.10	117.2
May	40.6	39.6	60.4	16.7	41.8	16.6	3.9	15.0	14.6	5.6	48.3	4.32	4.22	52.9
June	34.3	33.5	39.1	12.0	22.6	13.1	4.1	13.0	12.8	5.2	44.3	4.35	3.30	60.5
July	47.2	46.3	73.0	15.9	115	15.2	6.7	11.7	11.4	5.2	26.0	4.59	3.88	12.8
Aug	38.2	37.2	48.8	18.3	29.7	16.5	9.5	10.4	10.0	5.2	43.7	4.36	3.68	46.5
Sept	133	128	204	104	197	80.0	24.4	69.7	68.0	7.4	31.6	4.50	7.45	5.9
Oct	43.4	42.9	55.3	17.8	55.0	9.4	5.4	13.8	13.6	1.6	32.2	4.49	3.12	95.5
Nov	51.6	50.6	67.4	23.5	112	16.7	8.0	15.7	15.4	6.0	24.3	4.61	2.99	42.8
Dec	18.0	17.5	18.8	10.9	41.6	9.7	9.1	7.1	6.9	<0.4	1.5	5.82	1.35	84.6
Annual	**33.3**	**32.3**	**39.4**	**19.8**	**44.6**	**16.0**	**6.2**	**12.0**	**11.7**	**3.7**	**25.6**	**4.59**	**2.63**	**824.2**
Max.	133	128	204	416	197	80.0	462	69.7	68.7	11.0	110	6.81	7.45	
Min.	5.2	3.9	2.1	5.2	<1.0	<1.0	1.3	0.5	0.4	<0.4	0.2	3.96	0.64	

Table 3.17 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	2.40	2.28	2.17	2.04	2.10	1.99	0.46	0.81	0.77	0.35	1.91
Feb	2.29	2.20	1.84	1.67	3.25	1.42	0.25	0.88	0.85	0.37	1.62
Mar	1.97	1.88	2.30	2.28	3.20	1.56	1.07	0.77	0.73	0.20	1.22
Apr	5.13	4.98	5.92	3.21	6.98	2.49	0.63	2.07	2.02	0.67	4.31
May	2.15	2.10	3.20	0.88	2.21	0.88	0.21	0.79	0.77	0.29	2.56
June	2.07	2.03	2.36	0.72	1.37	0.79	0.25	0.79	0.77	0.32	2.68
July	0.60	0.59	0.93	0.20	1.47	0.19	0.09	0.15	0.15	0.07	0.33
Aug	1.78	1.73	2.27	0.85	1.38	0.77	0.44	0.48	0.47	0.24	2.03
Sept	0.78	0.75	1.20	0.61	1.16	0.47	0.14	0.41	0.40	0.04	0.19
Oct	4.15	4.09	5.28	1.70	5.25	0.90	0.52	1.32	1.30	0.15	3.07
Nov	2.21	2.16	2.89	1.01	4.80	0.72	0.34	0.67	0.66	0.26	1.04
Dec	1.53	1.48	1.59	0.92	3.52	0.82	0.77	0.60	0.58	0.03	0.13
Annual	**27.5**	**26.7**	**32.5**	**16.3**	**36.8**	**13.2**	**5.09**	**9.89**	**9.60**	**3.09**	**21.1**

Table 3.17 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	69	69	69	69	69	69	69	69	69	69	100	100	100	100
Annual	**97**	**97**	**97**	**97**	**97**	**97**	**97**	**97**	**97**	**97**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Kototabang **Country: Indonesia**

Table 3.18 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	5.0	4.6	<1.0	8.0	13.4	7.4	6.2	4.8	4.6	1.3	30.2	4.52	0.56	111.4
Feb	9.2	8.7	6.7	10.0	26.9	8.2	12.4	5.1	5.0	1.7	29.9	4.52	0.82	213.6
Mar	7.1	6.7	4.4	9.2	14.6	6.9	6.8	2.9	2.8	1.1	31.8	4.50	0.96	226.3
Apr	5.3	4.9	5.2	6.0	13.0	5.9	6.0	3.0	2.9	1.1	9.8	5.01	1.00	155.8
May	3.7	3.1	<1.0	6.0	9.3	9.2	4.3	4.0	3.8	1.1	16.1	4.79	0.82	160.5
June	4.5	3.8	<1.0	11.9	7.1	12.8	3.3	4.2	4.0	1.3	33.1	4.48	0.82	43.2
July	6.1	5.4	<1.0	8.5	7.9	12.4	3.6	7.1	6.8	1.4	6.3	5.20	1.02	97.7
Aug	6.2	5.8	<1.0	9.6	9.3	7.5	4.3	4.2	4.1	1.6	5.1	5.29	1.13	189.2
Sept	8.1	7.9	<1.0	7.9	1.1	4.0	<1.0	2.4	2.3	0.6	18.8	4.73	1.02	280.2
Oct	5.0	4.8	<1.0	5.5	5.4	2.9	2.5	2.1	2.0	<0.4	17.6	4.76	0.87	336.1
Nov	1.5	1.3	<1.0	2.3	3.0	1.8	1.4	1.9	1.9	<0.4	25.8	4.59	0.45	244.5
Dec	1.8	1.7	<1.0	6.5	7.2	1.5	3.3	3.9	3.9	0.9	32.5	4.49	0.52	135.4
Annual	**5.5**	**5.2**	**1.6**	**7.1**	**9.5**	**5.7**	**4.4**	**3.4**	**3.3**	**0.9**	**20.9**	**4.68**	**0.84**	**2193.9**
Max.	10.8	10.3	32.9	15.2	35.6	23.4	16.4	8.7	8.2	2.7	77.6	5.58	1.30	
Min.	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	1.4	1.3	<0.4	2.6	4.11	0.39	

Table 3.18 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.56	0.51	<0.01	0.89	1.49	0.82	0.69	0.53	0.51	0.15	3.37
Feb	1.96	1.85	1.42	2.13	5.75	1.76	2.65	1.10	1.06	0.37	6.39
Mar	1.61	1.51	1.00	2.08	3.31	1.57	1.53	0.66	0.63	0.26	7.20
Apr	0.82	0.77	0.81	0.94	2.03	0.92	0.93	0.46	0.44	0.17	1.52
May	0.59	0.50	0.05	0.96	1.49	1.48	0.69	0.64	0.60	0.18	2.58
June	0.20	0.16	<0.01	0.51	0.31	0.55	0.14	0.18	0.17	0.06	1.43
July	0.60	0.52	<0.01	0.83	0.77	1.21	0.35	0.69	0.67	0.14	0.61
Aug	1.17	1.11	<0.01	1.81	1.76	1.42	0.81	0.80	0.77	0.30	0.96
Sept	2.28	2.21	<0.01	2.21	0.31	1.12	0.14	0.67	0.64	0.17	5.28
Oct	1.67	1.61	0.09	1.84	1.81	0.98	0.84	0.69	0.67	0.09	5.90
Nov	0.36	0.33	0.06	0.57	0.74	0.44	0.34	0.47	0.46	0.06	6.30
Dec	0.25	0.24	0.01	0.88	0.98	0.21	0.45	0.53	0.52	0.12	4.41
Annual	**12.1**	**11.3**	**3.46**	**15.6**	**20.7**	**12.5**	**9.57**	**7.42**	**7.15**	**2.06**	**46.0**

Table 3.18 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Bandung **Country: Indonesia**

Table 3.19 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	33.2	32.4	14.6	14.0	29.4	14.3	5.5	12.5	12.1	3.0	8.7	5.06	1.58	194.9
Feb	29.1	28.1	17.7	12.7	17.2	17.1	4.2	14.5	14.1	3.5	10.7	4.97	1.46	302.5
Mar	40.7	39.7	25.9	16.7	34.0	16.7	5.0	17.2	16.8	5.4	15.8	4.80	2.01	221.5
Apr	35.1	34.5	10.0	14.7	40.3	10.3	4.2	11.7	11.5	1.5	4.4	5.36	1.63	167.2
May	37.2	36.6	18.1	15.3	48.5	10.3	3.3	8.4	8.2	0.4	6.7	5.18	1.88	201.9
June	54.9	54.0	27.6	12.7	56.3	15.1	4.1	19.9	19.6	2.0	9.7	5.02	2.45	154.6
July	93.4	91.7	20.5	34.7	75.0	28.6	6.5	46.3	45.7	4.6	4.3	5.36	3.62	18.0
Aug	116	113	<1.0	85.9	79.3	50.9	17.2	200	199	10.8	4.5	5.35	1.05	4.5
Sept	35.5	35.2	22.6	19.0	47.2	5.0	7.0	25.9	23.3	2.1	2.4	5.61	1.64	123.9
Oct	29.8	29.4	26.9	10.0	32.4	6.1	4.6	18.1	17.9	1.2	17.7	4.75	1.89	141.4
Nov	22.0	21.8	15.4	23.5	39.9	3.8	2.7	14.5	14.4	1.6	7.6	5.12	1.82	79.8
Dec	21.5	21.3	12.9	7.4	26.5	3.9	5.7	12.5	12.4	0.9	5.6	5.25	1.10	139.2
Annual	**35.3**	**34.6**	**19.2**	**14.6**	**35.8**	**11.9**	**4.7**	**15.9**	**15.4**	**2.5**	**9.3**	**5.03**	**1.75**	**1749.3**
Max.	309	304	199	99.0	260	101	21.8	200	199	17.9	47.9	6.93	9.72	
Min.	4.4	4.3	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	1.0	<0.4	0.1	4.32	0.39	

Table 3.19 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	6.48	6.31	2.84	2.73	5.74	2.79	1.08	2.43	2.37	0.59	1.70
Feb	8.80	8.49	5.37	3.85	5.20	5.16	1.26	4.37	4.26	1.05	3.24
Mar	9.01	8.79	5.74	3.70	7.52	3.69	1.11	3.81	3.73	1.19	3.49
Apr	5.87	5.77	1.67	2.46	6.73	1.72	0.70	1.96	1.92	0.24	0.73
May	7.51	7.38	3.65	3.10	9.80	2.07	0.66	1.71	1.66	0.08	1.34
June	8.49	8.35	4.26	1.97	8.71	2.34	0.63	3.08	3.03	0.31	1.49
July	1.68	1.65	0.37	0.62	1.35	0.52	0.12	0.83	0.82	0.08	0.08
Aug	0.52	0.51	<0.01	0.39	0.36	0.23	0.08	0.90	0.90	0.05	0.02
Sept	4.40	4.36	2.80	2.36	5.85	0.62	0.87	3.20	2.89	0.27	0.30
Oct	4.21	4.15	3.81	1.42	4.57	0.87	0.65	2.56	2.54	0.17	2.50
Nov	1.75	1.74	1.23	1.87	3.18	0.30	0.21	1.15	1.15	0.13	0.61
Dec	3.00	2.97	1.80	1.04	3.69	0.54	0.79	1.74	1.73	0.13	0.78
Annual	**61.7**	**60.5**	**33.5**	**25.5**	**62.6**	**20.9**	**8.15**	**27.7**	**26.9**	**4.29**	**16.3**

Table 3.19 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	95	95	95	95	95	95	95	100	95	100	95	95	95	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	97
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Rishiri **Country: Japan**

Table 3.20 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	32.8	17.7	18.0	287	16.0	252	6.1	8.1	2.7	28.4	21.4	4.67	5.51	62.0
Feb	55.9	19.9	15.6	666	26.2	598	13.8	17.5	4.6	70.7	16.3	4.79	10.8	56.0
Mar	27.9	19.0	9.5	167	19.7	148	4.0	6.3	3.1	17.4	18.8	4.73	3.76	32.9
Apr	45.6	27.9	22.3	335	27.6	294	8.2	20.0	13.6	34.3	19.6	4.71	6.55	52.5
May	14.5	12.7	10.9	30.8	14.7	29.4	1.3	6.6	6.0	3.7	8.2	5.09	1.28	117.0
June	22.7	21.7	24.4	16.2	30.8	15.4	1.5	4.9	4.6	2.9	24.2	4.62	1.95	25.0
July	19.9	18.7	17.8	23.7	32.4	19.8	1.4	2.1	1.7	2.7	21.0	4.68	1.75	41.8
Aug	15.3	14.4	8.3	16.9	14.4	15.3	<1.0	1.0	0.7	1.7	26.3	4.58	1.54	110.5
Sept	12.9	8.2	5.5	91.3	10.4	79.0	1.9	2.5	0.8	8.4	13.2	4.88	2.00	164.3
Oct	37.7	28.3	23.9	182	33.7	156	6.2	7.9	4.5	18.3	37.2	4.43	4.85	82.9
Nov	53.8	19.0	17.0	673	28.2	577	13.6	16.7	4.2	66.5	19.4	4.71	10.5	94.5
Dec	26.4	7.3	4.7	370	7.9	317	6.2	6.9	0.3	35.7	11.1	4.95	5.87	121.5
Annual	**27.9**	**15.7**	**12.6**	**233**	**18.9**	**203**	**5.1**	**7.6**	**3.3**	**23.3**	**18.4**	**4.74**	**4.46**	**961.0**
Max.	497	437	532	5050	425	4700	103	401	379	540	186	5.95	75.6	
Min.	1.6	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<0.2	<0.2	<0.4	1.1	3.73	0.28	

Table 3.20 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	2.04	1.10	1.11	17.8	0.99	15.6	0.38	0.50	0.16	1.76	1.33
Feb	3.13	1.11	0.88	37.3	1.47	33.5	0.77	0.98	0.26	3.96	0.91
Mar	0.92	0.63	0.31	5.49	0.65	4.87	0.13	0.21	0.10	0.57	0.62
Apr	2.39	1.46	1.17	17.6	1.45	15.4	0.43	1.05	0.72	1.80	1.03
May	1.69	1.48	1.27	3.60	1.72	3.43	0.15	0.77	0.70	0.43	0.96
June	0.57	0.54	0.61	0.40	0.77	0.38	0.04	0.12	0.11	0.07	0.61
July	0.83	0.78	0.74	0.99	1.36	0.83	0.06	0.09	0.07	0.11	0.88
Aug	1.69	1.59	0.92	1.87	1.59	1.70	0.07	0.12	0.08	0.18	2.91
Sept	2.12	1.34	0.90	15.0	1.71	13.0	0.31	0.41	0.14	1.38	2.17
Oct	3.13	2.34	1.98	15.1	2.80	13.0	0.52	0.65	0.37	1.52	3.08
Nov	5.08	1.80	1.61	63.6	2.67	54.5	1.28	1.58	0.40	6.29	1.83
Dec	3.21	0.89	0.57	45.0	0.97	38.6	0.75	0.84	0.03	4.34	1.35
Annual	**26.8**	**15.0**	**12.1**	**224**	**18.1**	**195**	**4.89**	**7.32**	**3.15**	**22.4**	**17.7**

Table 3.20 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	96	96	96	96	96	96	96	96	96	96	96	96	96	100
Feb	96	96	96	96	96	96	96	96	96	96	96	96	96	100
Mar	91	91	91	91	91	91	91	91	91	91	91	91	91	100
Apr	96	96	96	96	96	96	96	96	96	96	96	96	96	100
May	99	99	99	99	99	99	99	99	99	99	99	99	99	100
June	96	96	96	96	96	96	96	96	96	96	96	96	96	100
July	96	96	96	96	96	96	96	96	96	96	96	96	96	100
Aug	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Sept	97	97	97	97	97	97	97	97	97	97	97	97	97	100
Oct	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Nov	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Dec	98	98	98	98	98	98	98	98	98	98	98	98	98	100
Annual	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Ochiishi **Country: Japan**

Table 3.21 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	69.4	18.0	36.6	951	21.6	852	19.7	34.7	16.3	100	22.2	4.65	13.3	9.9
Feb	73.3	10.2	14.7	1220	7.5	1050	22.5	38.4	15.8	120	4.9	5.31	16.9	5.6
Mar	31.6	8.3	10.1	408	9.9	385	9.1	12.3	3.4	44.5	11.1	4.96	6.63	53.0
Apr	31.3	16.0	15.7	268	15.1	253	7.2	12.8	7.4	30.1	11.6	4.94	5.02	87.8
May	28.4	20.9	16.0	153	17.1	125	3.7	8.4	5.7	15.4	15.3	4.81	3.04	47.9
June	14.0	12.3	13.8	33.3	20.2	28.0	2.6	3.2	2.6	4.2	11.2	4.95	1.36	30.6
July	11.0	8.6	6.3	46.7	3.2	40.2	1.4	1.7	0.8	4.5	16.2	4.79	1.55	261.7
Aug	16.6	14.8	8.0	33.7	2.3	31.0	1.1	2.0	1.3	3.8	27.5	4.56	1.82	56.8
Sept	20.7	6.0	7.5	265	4.9	244	5.9	13.6	8.4	20.2	14.7	4.83	4.23	80.5
Oct	20.0	4.5	4.1	298	3.4	258	5.8	6.7	1.1	29.8	8.4	5.07	4.59	76.0
Nov	40.2	8.5	9.6	602	7.8	528	12.2	14.0	2.6	58.7	14.2	4.85	8.75	69.2
Dec	26.4	4.8	7.2	412	6.7	365	8.7	37.6	29.7	14.0	9.0	5.04	6.16	43.2
Annual	**22.6**	**10.1**	**9.3**	**232**	**7.5**	**208**	**5.3**	**9.0**	**4.4**	**22.2**	**14.6**	**4.84**	**4.01**	**822.2**
Max.	400	145	193	6820	1420	6320	200	701	564	455	184	5.59	89.7	
Min.	5.3	<1.0	<1.0	8.4	<1.0	7.5	<1.0	0.4	<0.2	0.9	2.6	3.74	0.64	

Table 3.21 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.69	0.18	0.36	9.45	0.21	8.47	0.20	0.34	0.16	0.99	0.22
Feb	0.41	0.06	0.08	6.76	0.04	5.82	0.12	0.21	0.09	0.67	0.03
Mar	1.67	0.44	0.53	21.6	0.52	20.4	0.48	0.65	0.18	2.36	0.59
Apr	2.75	1.40	1.38	23.5	1.33	22.3	0.63	1.13	0.65	2.64	1.02
May	1.36	1.00	0.77	7.34	0.82	5.97	0.18	0.40	0.27	0.74	0.74
June	0.43	0.37	0.42	1.02	0.62	0.86	0.08	0.10	0.08	0.13	0.34
July	2.89	2.25	1.65	12.2	0.84	10.5	0.37	0.45	0.22	1.18	4.23
Aug	0.94	0.84	0.46	1.92	0.13	1.76	0.06	0.11	0.08	0.21	1.56
Sept	1.67	0.48	0.60	21.3	0.40	19.6	0.47	1.10	0.67	1.63	1.18
Oct	1.52	0.34	0.31	22.7	0.26	19.6	0.44	0.51	0.09	2.27	0.64
Nov	2.78	0.59	0.66	41.6	0.54	36.5	0.84	0.97	0.18	4.06	0.98
Dec	1.14	0.21	0.31	17.8	0.29	15.8	0.38	1.62	1.28	0.61	0.39
Annual	**18.6**	**8.28**	**7.65**	**191**	**6.17**	**171**	**4.34**	**7.37**	**3.65**	**18.2**	**12.0**

Table 3.21 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	99	99	99	99	99	99	99	99	99	99	88	88	88	90
Feb	100	100	100	100	100	100	100	100	100	100	85	85	85	96
Mar	99	99	100	100	99	99	100	100	99	100	97	97	97	100
Apr	99	99	99	99	99	99	99	99	99	99	99	99	99	100
May	96	96	96	96	96	96	96	96	96	96	92	92	92	100
June	93	93	93	93	93	93	93	93	93	93	93	93	93	100
July	87	87	87	87	87	87	87	87	87	87	87	87	87	41
Aug	99	99	99	99	99	99	99	99	99	99	98	98	98	100
Sept	100	100	100	100	71	100	100	100	100	100	99	99	99	100
Oct	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Nov	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Dec	62	62	62	62	40	62	62	62	62	62	59	59	59	74
Annual	**93**	**93**	**93**	**93**	**89**	**93**	**93**	**93**	**93**	**93**	**92**	**92**	**92**	**92**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Tappi **Country: Japan**

Table 3.22 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	46.0	18.9	15.8	523	18.2	449	9.2	15.0	5.3	55.9	29.7	4.53	8.99	82.0
Feb	*	*	*	*	*	*	*	*	*	*	*	*	*	37.0
Mar	*	*	*	*	*	*	*	*	*	*	*	*	*	79.0
Apr	78.5	64.9	88.9	268	83.5	226	9.9	54.7	49.8	32.3	19.5	4.71	7.23	75.0
May	58.1	31.9	45.4	540	24.5	435	11.8	49.4	40.0	52.5	20.5	4.69	4.21	88.2
June	28.0	25.2	29.0	43.1	23.2	46.9	1.9	3.4	2.4	5.9	33.3	4.48	2.48	43.3
July	14.1	11.2	7.8	57.3	12.7	47.7	1.3	1.7	0.7	5.5	18.8	4.73	1.89	227.4
Aug	17.2	14.6	15.7	46.7	10.6	43.6	1.8	2.6	1.7	5.7	29.9	4.52	2.24	168.0
Sept	23.9	14.4	11.8	183	11.6	157	3.5	4.5	1.1	17.4	29.3	4.53	4.23	161.8
Oct	19.3	13.3	17.7	114	16.2	101	3.0	3.9	1.7	11.6	20.7	4.68	2.97	116.0
Nov	136	11.1	24.4	2420	23.3	2090	43.2	54.9	9.7	235	22.9	4.64	32.5	97.0
Dec	93.1	11.3	24.7	1410	12.2	1420	17.2	27.6	2.8	97.5	28.1	4.55	8.18	65.5
Annual	**29.6**	**16.6**	**18.2**	**250**	**15.8**	**218**	**5.0**	**10.7**	**6.1**	**24.2**	**24.9**	**4.60**	**4.18**	**1240.2**
Max.	626	235	588	10300	199	11000	130	441	375	713	148	6.21	96.6	
Min.	4.0	<1.0	1.8	3.0	<1.0	1.6	<1.0	0.3	<0.2	0.5	0.6	3.83	0.86	

Table 3.22 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	3.78	1.55	1.30	42.9	1.49	36.9	0.76	1.23	0.43	4.58	2.44
Feb	*	*	*	*	*	*	*	*	*	*	*
Mar	*	*	*	*	*	*	*	*	*	*	*
Apr	5.89	4.87	6.67	20.1	6.26	16.9	0.74	4.10	3.73	2.42	1.47
May	5.12	2.81	4.00	47.6	2.16	38.4	1.04	4.36	3.53	4.63	1.81
June	1.21	1.09	1.26	1.87	1.00	2.03	0.08	0.15	0.11	0.25	1.44
July	3.20	2.55	1.77	13.0	2.88	10.8	0.30	0.39	0.16	1.25	4.28
Aug	2.89	2.45	2.63	7.84	1.78	7.33	0.30	0.44	0.28	0.96	5.02
Sept	3.87	2.34	1.90	29.6	1.88	25.4	0.56	0.73	0.18	2.81	4.74
Oct	2.24	1.54	2.05	13.2	1.88	11.7	0.35	0.45	0.19	1.35	2.40
Nov	13.2	1.08	2.37	235	2.26	203	4.19	5.33	0.95	22.8	2.22
Dec	6.10	0.74	1.62	92.4	0.80	92.8	1.13	1.81	0.18	6.39	1.84
Annual	**36.8**	**20.6**	**22.5**	**310**	**19.6**	**270**	**6.19**	**13.3**	**7.62**	**30.0**	**30.9**

Table 3.22 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	98	98	98	98	98	98	98	98	98	98	98	98	98	100
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	97
Apr	17	17	17	17	17	17	17	17	17	17	17	17	17	93
May	100	100	100	100	100	100	100	100	100	100	90	90	90	100
June	99	99	99	99	99	99	99	99	99	99	98	98	98	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	20	20	20	20	20	20	20	20	20	20	20	20	20	97
Dec	32	32	32	32	32	32	32	32	32	32	29	29	29	81
Annual	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**76**	**74**	**74**	**74**	**97**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Sado-seki **Country: Japan**

Table 3.23 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	93.0	20.8	22.1	1370	31.7	1200	24.3	34.4	8.4	139	33.0	4.48	15.5	66.5
Feb	97.9	25.2	19.7	1420	28.3	1210	26.0	34.3	8.5	136	27.5	4.56	11.5	60.8
Mar	74.5	42.2	57.9	665	51.5	537	15.8	25.4	13.8	60.6	50.6	4.30	9.31	67.0
Apr	40.3	33.3	36.5	135	47.7	117	4.0	13.3	10.8	15.0	37.6	4.42	4.42	68.1
May	46.9	39.1	55.3	151	58.6	130	6.4	15.8	13.0	17.1	63.3	4.20	6.41	34.2
June	22.6	16.7	19.1	117	17.3	98.8	2.3	3.8	1.7	11.1	32.9	4.48	3.38	85.3
July	19.2	16.8	16.9	50.6	18.2	40.4	1.6	2.8	1.9	5.0	25.5	4.59	2.22	82.2
Aug	9.7	8.1	7.4	29.3	5.4	26.4	<1.0	1.1	0.5	2.8	18.5	4.73	1.35	183.4
Sept	15.8	10.2	14.3	107	8.8	92.8	2.0	3.7	1.7	10.6	24.7	4.61	2.92	129.8
Oct	17.5	11.1	15.2	119	11.2	106	2.7	3.8	1.5	12.2	21.1	4.68	3.15	144.4
Nov	49.8	35.7	35.6	270	37.7	234	7.7	13.3	8.3	26.8	51.8	4.29	6.45	107.1
Dec	51.9	10.5	10.2	799	8.9	692	13.7	18.9	4.0	77.0	20.6	4.69	10.2	114.4
Annual	**34.2**	**16.8**	**18.6**	**337**	**18.3**	**290**	**6.6**	**10.2**	**3.9**	**33.0**	**27.6**	**4.56**	**5.05**	**1143.0**
Max.	1810	757	345	33300	1060	28400	819	1010	546	3110	170	5.66	125	
Min.	2.7	<1.0	1.4	3.5	<1.0	2.7	<1.0	0.5	<0.2	0.5	2.2	3.77	0.64	

Table 3.23 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	6.18	1.39	1.47	91.0	2.10	80.1	1.62	2.29	0.56	9.25	2.20
Feb	5.95	1.53	1.19	86.1	1.72	73.3	1.58	2.08	0.52	8.24	1.67
Mar	4.99	2.82	3.88	44.5	3.45	36.0	1.06	1.70	0.92	4.06	3.39
Apr	2.75	2.26	2.49	9.22	3.25	7.97	0.27	0.90	0.73	1.02	2.56
May	1.60	1.34	1.89	5.15	2.00	4.44	0.22	0.54	0.45	0.58	2.17
June	1.93	1.42	1.63	10.0	1.48	8.43	0.20	0.33	0.15	0.95	2.81
July	1.58	1.38	1.39	4.15	1.50	3.32	0.13	0.23	0.15	0.41	2.09
Aug	1.78	1.48	1.35	5.38	0.99	4.85	0.12	0.20	0.09	0.52	3.40
Sept	2.05	1.33	1.85	13.8	1.14	12.1	0.26	0.48	0.22	1.37	3.20
Oct	2.53	1.60	2.19	17.2	1.62	15.4	0.39	0.55	0.22	1.76	3.04
Nov	5.33	3.82	3.81	28.9	4.04	25.0	0.83	1.43	0.88	2.87	5.55
Dec	5.93	1.20	1.17	91.4	1.01	79.1	1.57	2.16	0.46	8.80	2.36
Annual	**39.1**	**19.2**	**21.3**	**385**	**20.9**	**332**	**7.60**	**11.6**	**4.46**	**37.7**	**31.5**

Table 3.23 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	76	76	76	76	76	76	76	76	76	76	72	72	72	87
Feb	100	100	100	100	100	100	100	100	100	100	95	95	95	100
Mar	56	56	56	56	56	56	56	56	56	56	52	52	52	100
Apr	75	75	75	75	75	75	75	75	75	75	73	73	73	100
May	33	33	33	33	33	33	33	33	33	33	30	30	30	100
June	100	100	100	100	100	100	100	100	100	100	99	99	99	100
July	97	97	97	97	97	97	97	97	97	97	97	97	97	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Oct	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Nov	56	56	56	56	56	56	56	56	56	56	55	55	55	100
Dec	88	88	88	88	88	88	88	88	88	88	86	86	86	100
Annual	**87**	**87**	**87**	**87**	**87**	**87**	**87**	**87**	**87**	**87**	**85**	**85**	**85**	**99**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Happo **Country: Japan**

Table 3.24 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	8.3	7.7	6.2	11.2	5.4	9.4	<1.0	1.9	1.7	1.3	13.9	4.86	0.93	242.5
Feb	13.4	12.9	7.6	10.9	8.7	8.9	<1.0	3.8	3.7	1.9	15.8	4.80	1.13	121.5
Mar	17.6	16.5	22.3	19.8	17.7	17.9	1.6	10.0	9.6	3.5	18.2	4.74	1.62	162.7
Apr	62.5	61.4	45.6	19.4	65.9	18.9	4.2	45.7	45.3	7.0	22.4	4.65	3.31	85.0
May	25.7	25.5	19.2	4.5	23.7	2.8	1.5	5.9	5.9	1.2	31.2	4.51	2.03	240.0
June	5.5	5.4	4.2	2.0	5.3	1.8	<1.0	1.8	1.7	<0.4	9.4	5.03	0.60	618.5
July	7.2	7.1	5.3	1.6	8.4	1.1	<1.0	1.4	1.4	<0.4	13.6	4.87	0.77	404.5
Aug	10.8	10.7	8.5	2.2	9.4	1.4	<1.0	1.7	1.7	<0.4	19.1	4.72	1.06	358.5
Sept	7.3	7.2	7.6	2.6	7.2	1.7	<1.0	1.6	1.6	<0.4	14.3	4.84	0.82	112.9
Oct	7.0	6.9	5.5	2.3	4.6	1.7	<1.0	1.2	1.1	<0.4	14.7	4.83	0.79	208.0
Nov	22.3	19.8	16.6	54.5	16.9	41.8	2.0	6.2	5.3	5.3	24.6	4.61	2.15	138.0
Dec	12.4	11.4	9.6	21.2	8.0	17.0	<1.0	2.9	2.5	2.1	20.4	4.69	1.39	304.5
Annual	**12.0**	**11.5**	**9.5**	**8.7**	**10.8**	**7.0**	**<1.0**	**4.1**	**4.0**	**1.2**	**15.9**	**4.80**	**1.10**	**2996.6**
Max.	188	185	264	445	247	313	14.3	173	172	36.9	141	6.75	9.37	
Min.	1.3	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.4	0.2	3.85	0.23	

Table 3.24 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	2.01	1.87	1.50	2.71	1.32	2.27	0.09	0.47	0.42	0.32	3.36
Feb	1.63	1.57	0.93	1.33	1.06	1.08	0.07	0.47	0.44	0.23	1.92
Mar	2.86	2.69	3.63	3.22	2.87	2.91	0.26	1.63	1.57	0.57	2.96
Apr	5.31	5.22	3.87	1.65	5.61	1.60	0.35	3.88	3.85	0.59	1.91
May	6.17	6.13	4.60	1.08	5.69	0.67	0.35	1.42	1.41	0.29	7.49
June	3.40	3.33	2.59	1.25	3.26	1.09	0.24	1.09	1.07	0.11	5.81
July	2.90	2.87	2.15	0.66	3.41	0.46	0.12	0.58	0.57	0.07	5.50
Aug	3.88	3.85	3.04	0.79	3.35	0.51	0.13	0.63	0.62	0.10	6.85
Sept	0.83	0.81	0.85	0.29	0.82	0.19	0.03	0.18	0.18	0.04	1.62
Oct	1.47	1.44	1.13	0.47	0.95	0.35	0.05	0.24	0.24	0.03	3.06
Nov	3.08	2.73	2.29	7.53	2.34	5.77	0.28	0.86	0.73	0.73	3.40
Dec	3.79	3.48	2.92	6.44	2.44	5.19	0.24	0.87	0.76	0.63	6.22
Annual	**35.8**	**34.5**	**28.6**	**26.1**	**32.3**	**21.1**	**2.14**	**12.4**	**12.0**	**3.59**	**47.6**

Table 3.24 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	98	98	98	98	98	98	98	98	98	98	98	98	98	100
Feb	84	84	84	84	84	84	84	84	84	84	82	82	82	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	99	99	99	99	99	99	99	99	99	99	99	99	99	100
May	56	56	56	56	56	56	56	56	56	56	56	56	56	97
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	89	89	89	89	89	89	89	89	89	89	89	89	89	87
Sept	100	100	100	100	100	100	100	100	100	100	98	98	98	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	98	98	98	100
Dec	48	48	48	48	48	48	48	48	48	48	48	48	48	87
Annual	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**89**	**98**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Ijira **Country: Japan**

Table 3.25 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	14.0	11.4	19.2	55.3	11.6	43.9	1.4	4.4	3.4	4.8	22.9	4.64	2.26	102.5
Feb	12.4	10.2	16.3	43.6	8.2	36.5	1.1	3.8	3.0	4.7	18.0	4.74	1.82	151.0
Mar	20.8	19.4	29.0	27.0	21.6	22.0	<1.0	5.0	4.5	3.0	33.5	4.48	2.31	249.0
Apr	31.8	31.2	29.1	12.3	37.2	11.0	1.6	7.6	7.4	1.7	33.0	4.48	2.56	131.5
May	34.0	33.2	39.4	16.9	37.9	13.7	<1.0	2.5	2.2	1.7	57.9	4.24	3.57	165.5
June	8.6	8.5	13.1	2.8	12.3	2.0	<1.0	0.8	0.7	<0.4	15.4	4.81	0.98	488.5
July	24.6	24.3	33.6	7.2	31.4	5.4	<1.0	1.6	1.5	0.6	44.3	4.35	2.70	192.0
Aug	21.1	20.8	24.4	7.9	22.0	6.3	<1.0	2.0	1.9	0.6	34.3	4.46	2.24	209.4
Sept	25.4	24.1	37.1	25.3	27.5	21.1	1.1	3.4	3.0	2.5	42.6	4.37	3.02	153.9
Oct	13.1	12.6	22.0	11.1	10.9	8.1	<1.0	1.1	0.9	0.9	31.4	4.50	1.86	133.0
Nov	15.8	15.4	13.1	8.3	8.0	5.7	<1.0	1.8	1.7	0.8	30.1	4.52	1.76	116.6
Dec	25.0	22.0	30.6	62.6	22.2	49.8	9.6	9.3	8.2	8.2	25.7	4.59	2.88	476.6
Annual	**18.9**	**18.0**	**24.1**	**16.8**	**20.3**	**13.6**	**<1.0**	**2.8**	**2.5**	**1.8**	**30.9**	**4.51**	**2.11**	**2569.4**
Max.	207	205	266	94.0	254	84.6	16.4	68.5	67.7	13.4	331	6.12	19.6	
Min.	5.1	4.6	5.8	1.6	3.4	1.1	<1.0	0.3	0.3	<0.4	0.8	3.48	0.55	

Table 3.25 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	1.44	1.16	1.96	5.66	1.19	4.50	0.14	0.45	0.35	0.49	2.35
Feb	1.88	1.54	2.45	6.58	1.24	5.51	0.16	0.58	0.46	0.71	2.72
Mar	5.17	4.84	7.21	6.72	5.37	5.49	0.23	1.23	1.12	0.75	8.33
Apr	4.18	4.10	3.82	1.62	4.89	1.45	0.21	1.00	0.97	0.22	4.34
May	5.63	5.49	6.52	2.80	6.27	2.27	0.14	0.41	0.36	0.28	9.58
June	4.22	4.16	6.39	1.38	5.99	0.99	0.18	0.38	0.36	0.18	7.53
July	4.73	4.67	6.46	1.38	6.04	1.04	0.13	0.31	0.29	0.12	8.51
Aug	4.42	4.35	5.10	1.65	4.61	1.31	0.12	0.43	0.40	0.12	7.19
Sept	3.91	3.71	5.71	3.90	4.24	3.24	0.17	0.53	0.46	0.39	6.55
Oct	1.74	1.68	2.92	1.47	1.44	1.08	0.07	0.15	0.12	0.12	4.17
Nov	1.84	1.80	1.53	0.97	0.93	0.67	0.07	0.21	0.20	0.10	3.50
Dec	11.9	10.5	14.6	29.8	10.6	23.7	4.58	4.43	3.92	3.91	12.3
Annual	**48.5**	**46.3**	**61.9**	**43.3**	**52.1**	**34.9**	**2.39**	**7.25**	**6.49**	**4.51**	**79.4**

Table 3.25 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	85	85	85	85	85	85	85	85	85	85	85	85	85	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Dec	8	8	8	8	8	8	8	8	8	8	8	8	8	40
Annual	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**82**	**94**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Oki **Country: Japan**

Table 3.26 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	91.7	25.5	32.4	1250	15.9	1100	30.2	29.9	6.2	126	34.5	4.46	19.8	85.5
Feb	80.3	23.4	14.6	1100	12.1	944	21.3	27.3	6.9	108	22.9	4.64	16.7	90.5
Mar	61.6	31.4	36.0	586	35.3	502	13.7	21.3	10.5	59.1	29.4	4.53	11.0	87.9
Apr	60.7	45.8	76.9	268	49.8	247	10.7	32.3	26.9	20.1	47.2	4.33	7.48	19.5
May	24.4	21.5	29.9	48.2	19.2	48.1	3.9	7.9	6.9	5.9	35.1	4.45	2.67	55.9
June	11.9	10.1	12.6	29.5	5.5	29.6	1.4	1.9	1.2	3.3	22.6	4.65	1.58	73.6
July	26.0	23.9	18.9	33.9	27.4	34.4	2.0	2.1	1.4	3.6	37.9	4.42	2.61	209.4
Aug	20.9	19.5	18.3	24.7	12.8	22.6	<1.0	1.3	0.8	2.4	36.7	4.44	2.16	44.2
Sept	15.5	8.4	6.8	125	4.2	107	3.6	3.9	1.3	14.4	14.9	4.83	2.42	301.3
Oct	87.9	18.6	21.6	1340	16.2	1150	26.6	30.3	5.5	131	38.2	4.42	21.1	77.5
Nov	47.6	22.2	36.3	458	21.2	423	11.7	19.0	9.8	45.0	29.0	4.54	7.86	69.5
Dec	142	20.4	31.7	2350	12.5	2010	49.2	55.3	11.8	236	24.6	4.61	34.2	198.5
Annual	**55.7**	**19.3**	**21.8**	**696**	**15.8**	**602**	**15.5**	**18.6**	**5.5**	**69.9**	**27.4**	**4.56**	**11.3**	**1313.3**
Max.	619	399	570	9180	368	8100	259	285	195	1180	263	6.31	159	
Min.	2.2	1.2	<1.0	3.6	<1.0	2.9	<1.0	<0.2	<0.2	<0.4	0.5	3.58	0.42	

Table 3.26 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	7.84	2.18	2.77	107	1.36	94.0	2.59	2.56	0.53	10.8	2.95
Feb	7.27	2.11	1.33	99.7	1.10	85.5	1.93	2.47	0.63	9.80	2.07
Mar	5.42	2.76	3.17	51.5	3.10	44.1	1.20	1.87	0.92	5.19	2.59
Apr	1.18	0.89	1.50	5.22	0.97	4.81	0.21	0.63	0.53	0.39	0.92
May	1.36	1.20	1.67	2.69	1.07	2.68	0.22	0.44	0.38	0.33	1.96
June	0.88	0.75	0.93	2.17	0.40	2.18	0.10	0.14	0.09	0.24	1.66
July	5.45	5.01	3.97	7.11	5.75	7.20	0.41	0.45	0.29	0.75	7.94
Aug	0.92	0.86	0.81	1.09	0.57	1.00	0.04	0.06	0.04	0.11	1.62
Sept	4.66	2.53	2.05	37.5	1.25	32.4	1.09	1.17	0.39	4.33	4.48
Oct	6.81	1.44	1.67	103	1.25	89.0	2.06	2.35	0.42	10.1	2.96
Nov	3.31	1.54	2.52	31.8	1.47	29.4	0.81	1.32	0.68	3.12	2.02
Dec	28.1	4.05	6.30	467	2.48	400	9.77	11.0	2.34	46.8	4.89
Annual	**73.2**	**25.3**	**28.7**	**914**	**20.8**	**791**	**20.4**	**24.4**	**7.24**	**91.8**	**36.0**

Table 3.26 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	98	98	98	98	98	98	98	98	98	98	97	97	97	100
Feb	98	98	98	98	98	98	98	98	98	98	96	96	96	100
Mar	99	99	99	99	99	99	99	99	99	99	98	98	98	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	98	98	98	100
June	99	99	99	99	99	99	99	99	99	99	99	99	99	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Nov	100	100	100	100	100	100	100	100	100	100	98	98	98	100
Dec	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**99**	**99**	**99**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Banryu **Country: Japan**

Table 3.27 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	51.0	28.4	59.3	438	34.7	375	11.4	14.2	6.1	44.3	58.8	4.23	9.33	46.5
Feb	75.1	55.1	53.4	377	53.2	332	9.3	20.9	13.8	38.1	67.1	4.17	9.84	60.5
Mar	53.2	39.8	51.1	262	50.9	222	7.4	18.6	13.8	27.0	44.5	4.35	6.75	122.5
Apr	19.9	19.0	16.8	19.9	15.0	16.1	1.2	3.1	2.8	2.4	28.8	4.54	1.95	55.0
May	31.1	29.4	30.9	35.6	23.1	29.2	1.8	7.7	7.1	3.9	46.4	4.33	3.17	43.0
June	16.0	15.7	11.6	6.5	18.7	4.2	<1.0	1.3	1.2	0.5	20.7	4.68	1.40	290.9
July	15.4	14.8	13.0	11.3	17.1	8.9	<1.0	0.8	0.6	1.0	23.0	4.64	1.52	180.0
Aug	13.6	12.9	17.1	15.3	7.5	12.2	<1.0	1.0	0.8	1.3	31.0	4.51	1.81	37.5
Sept	10.4	7.5	7.6	57.4	4.1	48.4	<1.0	1.2	0.2	4.6	17.5	4.76	1.68	211.7
Oct	48.9	39.6	57.4	176	32.5	155	14.9	5.6	2.2	17.7	83.6	4.08	6.86	50.6
Nov	24.3	21.2	30.4	63.0	22.7	52.7	6.5	7.4	6.3	6.7	24.5	4.61	3.32	81.0
Dec	81.1	47.9	83.5	685	35.9	550	14.8	24.5	12.6	65.7	81.9	4.09	13.3	111.0
Annual	**26.9**	**21.3**	**25.5**	**110**	**21.8**	**92.1**	**3.7**	**5.9**	**3.9**	**10.8**	**32.7**	**4.49**	**3.50**	**1290.3**
Max.	159	139	195	2250	175	1990	121	63.6	36.1	213	186	5.92	37.4	
Min.	5.3	1.6	2.1	3.3	<1.0	2.0	<1.0	0.6	<0.2	<0.4	1.2	3.73	0.66	

Table 3.27 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	2.37	1.32	2.76	20.4	1.61	17.4	0.53	0.66	0.28	2.06	2.74
Feb	4.54	3.33	3.23	22.8	3.22	20.1	0.56	1.27	0.83	2.31	4.06
Mar	6.52	4.88	6.26	32.1	6.24	27.2	0.91	2.28	1.69	3.31	5.46
Apr	1.10	1.04	0.93	1.09	0.83	0.88	0.07	0.17	0.15	0.13	1.58
May	1.34	1.26	1.33	1.53	0.99	1.26	0.08	0.33	0.31	0.17	1.99
June	4.64	4.57	3.38	1.88	5.44	1.22	0.18	0.39	0.36	0.15	6.02
July	2.76	2.67	2.35	2.03	3.08	1.60	0.10	0.14	0.11	0.17	4.14
Aug	0.51	0.48	0.64	0.57	0.28	0.46	0.02	0.04	0.03	0.05	1.16
Sept	2.20	1.58	1.61	12.1	0.86	10.2	0.21	0.26	0.05	0.98	3.70
Oct	2.47	2.00	2.91	8.91	1.65	7.84	0.75	0.28	0.11	0.90	4.23
Nov	1.97	1.71	2.46	5.10	1.84	4.27	0.52	0.60	0.51	0.54	1.99
Dec	9.00	5.32	9.27	76.0	3.98	61.1	1.64	2.72	1.40	7.29	9.09
Annual	**34.6**	**27.5**	**32.8**	**142**	**28.1**	**119**	**4.76**	**7.57**	**5.02**	**13.9**	**42.2**

Table 3.27 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Feb	40	40	40	40	40	40	40	40	40	40	40	40	40	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	88	88	88	88	88	88	88	88	88	88	88	88	88	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	45	45	45	45	45	45	45	45	45	45	45	45	45	100
Annual	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Yusuhara **Country: Japan**

Table 3.28 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	28.4	25.5	42.9	60.4	24.4	49.0	2.3	5.2	4.1	7.2	60.8	4.22	3.95	74.7
Feb	8.2	7.8	9.6	9.0	4.4	7.1	<1.0	2.4	2.2	1.3	17.9	4.75	1.07	178.7
Mar	18.2	17.4	14.7	17.5	16.5	13.5	1.5	4.6	4.3	2.1	33.4	4.48	1.96	184.5
Apr	16.6	15.8	13.0	16.0	16.3	13.4	1.5	4.6	4.3	2.3	23.7	4.63	1.67	92.5
May	8.9	8.7	6.2	4.9	7.7	3.7	<1.0	1.1	1.0	0.6	18.2	4.74	1.03	148.5
June	13.0	12.7	7.7	6.3	7.0	4.1	<1.0	1.0	0.9	1.0	30.8	4.51	1.51	88.5
July	22.4	22.2	13.0	3.6	22.8	3.0	<1.0	2.1	2.0	0.4	41.2	4.38	2.08	346.5
Aug	14.5	14.2	8.4	7.0	6.9	4.8	<1.0	1.1	1.0	1.3	36.4	4.44	1.82	93.5
Sept	3.4	1.5	<1.0	35.8	<1.0	30.9	<1.0	1.1	0.5	3.3	5.9	5.23	0.79	762.0
Oct	19.3	17.6	16.2	34.9	9.3	28.1	1.1	1.8	1.2	3.6	48.5	4.31	2.76	51.5
Nov	9.0	8.9	6.5	2.1	5.7	2.2	<1.0	1.6	1.5	<0.4	20.2	4.70	1.11	133.0
Dec	29.2	19.2	39.3	194	17.2	165	4.2	10.0	6.4	19.4	39.2	4.41	5.17	167.7
Annual	**12.1**	**10.6**	**9.4**	**29.9**	**8.9**	**25.2**	**<1.0**	**2.4**	**1.8**	**3.0**	**22.8**	**4.64**	**1.59**	**2321.4**
Max.	318	289	163	762	108	661	23.0	354	344	69.9	275	5.51	17.4	
Min.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.2	<0.2	<0.4	3.1	3.56	0.24	

Table 3.28 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	2.12	1.90	3.20	4.51	1.82	3.66	0.17	0.39	0.31	0.54	4.54
Feb	1.47	1.40	1.71	1.61	0.79	1.27	0.08	0.42	0.40	0.23	3.20
Mar	3.36	3.21	2.71	3.23	3.04	2.50	0.28	0.85	0.80	0.39	6.16
Apr	1.54	1.46	1.21	1.48	1.51	1.24	0.14	0.42	0.40	0.21	2.19
May	1.32	1.28	0.92	0.72	1.15	0.55	0.06	0.16	0.15	0.09	2.70
June	1.15	1.13	0.68	0.56	0.62	0.36	0.03	0.09	0.08	0.09	2.73
July	7.75	7.68	4.51	1.25	7.92	1.03	0.21	0.73	0.70	0.14	14.3
Aug	1.36	1.33	0.78	0.65	0.65	0.45	0.03	0.10	0.09	0.12	3.40
Sept	2.56	1.15	0.32	27.3	0.36	23.5	0.60	0.86	0.35	2.48	4.50
Oct	0.99	0.90	0.83	1.80	0.48	1.44	0.06	0.10	0.06	0.19	2.50
Nov	1.20	1.18	0.86	0.28	0.75	0.29	0.05	0.21	0.20	0.03	2.68
Dec	4.90	3.22	6.60	32.5	2.89	27.7	0.71	1.68	1.08	3.25	6.57
Annual	**28.0**	**24.5**	**21.8**	**69.4**	**20.6**	**58.5**	**2.27**	**5.55**	**4.28**	**7.07**	**52.9**

Table 3.28 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	77	77	77	77	77	77	77	77	77	77	77	77	77	100
Feb	66	66	66	66	66	66	66	66	66	66	66	66	66	93
Mar	98	98	98	98	98	98	98	98	98	98	98	98	98	100
Apr	100	100	100	100	100	100	100	100	100	100	99	99	99	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	99	99	99	97
July	82	82	82	82	82	82	82	82	82	82	81	81	81	84
Aug	99	99	99	99	99	99	99	99	99	99	97	97	97	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	93
Oct	97	97	97	97	97	97	97	97	97	97	96	96	96	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	67	67	67	67	67	67	67	67	67	67	67	67	67	87
Annual	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**91**	**96**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Hedo **Country: Japan**

Table 3.29 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	66.3	26.0	19.4	722	10.5	670	24.2	22.1	7.6	78.7	26.8	4.57	10.5	86.0
Feb	40.5	22.3	13.9	347	13.5	302	8.5	13.4	6.9	40.8	17.1	4.77	4.54	142.0
Mar	56.6	26.6	20.2	548	18.5	497	20.0	22.6	11.9	61.7	14.6	4.84	8.28	169.1
Apr	32.8	20.2	15.8	225	27.3	208	7.2	11.9	7.4	17.2	12.5	4.90	4.73	100.3
May	19.7	14.3	10.6	106	17.2	89.5	3.4	5.3	3.4	9.1	13.6	4.87	2.55	221.0
June	7.4	4.1	3.5	64.9	2.4	55.8	1.5	1.9	0.7	6.4	9.8	5.01	1.35	551.2
July	17.1	11.5	3.6	112	3.8	93.3	2.2	3.0	1.0	10.6	23.0	4.64	2.60	22.0
Aug	12.4	7.9	8.8	85.7	6.8	73.6	2.0	2.7	1.1	8.6	20.5	4.69	1.95	83.5
Sept	326	1.5	21.6	8180	85.2	7870	165	187	16.6	741	2.7	5.57	105	47.5
Oct	22.5	10.2	10.3	227	9.0	204	5.0	6.1	1.7	16.8	18.9	4.72	4.03	100.8
Nov	21.9	12.6	12.4	167	12.4	153	4.5	4.9	1.6	17.3	18.9	4.72	3.36	157.5
Dec	88.8	17.8	18.7	1370	23.4	1180	19.1	35.3	9.9	135	21.9	4.66	18.6	99.0
Annual	**36.0**	**13.0**	**11.0**	**488**	**13.3**	**449**	**11.3**	**14.1**	**4.4**	**47.3**	**14.7**	**4.83**	**7.10**	**1779.9**
Max.	1950	781	322	38100	401	36000	760	936	516	4110	224	6.75	304	
Min.	2.6	<1.0	<1.0	13.5	<1.0	13.1	<1.0	0.7	<0.2	0.7	0.2	3.65	0.54	

Table 3.29 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	5.70	2.24	1.67	62.1	0.90	57.7	2.08	1.90	0.66	6.77	2.31
Feb	5.75	3.17	1.98	49.3	1.91	42.9	1.20	1.90	0.97	5.79	2.43
Mar	9.56	4.50	3.42	92.6	3.12	84.1	3.39	3.83	2.01	10.4	2.47
Apr	3.29	2.03	1.58	22.5	2.73	20.8	0.72	1.19	0.74	1.72	1.25
May	4.35	3.16	2.34	23.4	3.80	19.8	0.76	1.18	0.75	2.02	3.01
June	4.11	2.25	1.92	35.8	1.32	30.8	0.83	1.05	0.38	3.53	5.40
July	0.38	0.25	0.08	2.45	0.08	2.05	0.05	0.07	0.02	0.23	0.51
Aug	1.03	0.66	0.74	7.15	0.57	6.14	0.17	0.22	0.09	0.72	1.71
Sept	15.5	0.07	1.02	389	4.05	374	7.85	8.86	0.79	35.2	0.13
Oct	2.27	1.03	1.04	22.9	0.91	20.6	0.50	0.62	0.17	1.69	1.90
Nov	3.44	1.99	1.96	26.2	1.95	24.1	0.71	0.78	0.25	2.73	2.98
Dec	8.79	1.76	1.85	135	2.32	117	1.90	3.50	0.98	13.4	2.16
Annual	**64.1**	**23.1**	**19.6**	**869**	**23.6**	**800**	**20.2**	**25.1**	**7.81**	**84.3**	**26.2**

Table 3.29 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	99	99	99	99	99	99	99	99	99	99	96	96	96	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	98	98	98	98	98	98	98	98	98	98	98	98	98	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	98	98	98	100
Sept	100	100	100	100	100	100	100	100	100	100	98	98	98	100
Oct	100	100	100	100	100	100	100	100	100	100	98	98	98	100
Nov	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Dec	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**99**	**99**	**99**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Ogasawara **Country: Japan**

Table 3.30 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	16.1	7.1	6.2	163	6.6	150	3.9	2.7	<0.2	16.3	15.6	4.81	3.17	131.4
Feb	9.5	5.4	4.2	78.6	6.0	68.3	2.2	1.4	0.2	7.6	13.6	4.87	1.73	115.5
Mar	18.4	10.5	8.3	141	11.9	131	3.5	2.9	0.4	13.7	17.7	4.75	2.91	109.0
Apr	14.5	11.3	2.9	70.9	3.7	52.9	1.1	1.6	0.5	6.0	22.2	4.65	1.94	204.9
May	9.7	8.4	3.5	28.4	2.2	21.8	<1.0	0.6	0.2	2.2	21.0	4.68	1.43	433.5
June	11.9	10.4	1.4	31.0	<1.0	25.3	<1.0	0.7	<0.2	2.8	21.0	4.68	1.45	304.0
July	25.5	10.9	2.0	277	2.6	243	4.9	6.0	0.8	27.4	21.7	4.66	4.77	80.3
Aug	9.5	8.2	5.2	26.1	4.3	20.8	<1.0	1.6	1.1	2.5	13.9	4.86	1.11	28.8
Sept	15.6	<1.0	<1.0	300	2.2	251	5.7	6.7	1.3	27.0	2.6	5.58	4.07	311.5
Oct	7.2	2.9	4.8	81.6	3.3	71.3	2.0	2.6	1.0	8.2	4.8	5.32	1.51	84.5
Nov	8.5	4.1	2.7	84.7	2.7	72.7	1.6	1.9	0.4	8.2	5.8	5.24	1.59	200.4
Dec	28.9	15.0	9.2	279	9.2	230	5.8	9.0	4.0	27.2	29.2	4.54	5.54	46.5
Annual	**13.1**	**7.3**	**3.2**	**115**	**3.5**	**97.3**	**2.3**	**2.6**	**0.6**	**10.7**	**15.4**	**4.81**	**2.33**	**2050.3**
Max.	162	73.3	122	2680	59.6	2410	51.3	80.9	35.6	242	112	6.41	40.3	
Min.	<1.0	<1.0	<1.0	6.3	<1.0	3.9	<1.0	<0.2	<0.2	0.4	0.4	3.95	0.25	

Table 3.30 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	2.12	0.93	0.82	21.4	0.87	19.7	0.51	0.36	<0.01	2.15	2.05
Feb	1.10	0.62	0.49	9.08	0.69	7.89	0.25	0.16	0.02	0.88	1.57
Mar	2.00	1.14	0.90	15.4	1.30	14.3	0.38	0.31	0.05	1.50	1.93
Apr	2.97	2.32	0.59	14.5	0.76	10.8	0.23	0.32	0.10	1.24	4.55
May	4.22	3.65	1.50	12.3	0.93	9.46	0.22	0.24	0.09	0.95	9.12
June	3.62	3.16	0.42	9.43	0.28	7.70	0.14	0.20	0.05	0.85	6.39
July	2.05	0.88	0.16	22.2	0.21	19.5	0.39	0.48	0.06	2.20	1.74
Aug	0.27	0.24	0.15	0.75	0.12	0.60	0.02	0.05	0.03	0.07	0.40
Sept	4.85	0.30	0.18	93.3	0.69	78.2	1.79	2.10	0.41	8.40	0.81
Oct	0.61	0.24	0.41	6.89	0.28	6.02	0.17	0.22	0.09	0.69	0.41
Nov	1.70	0.83	0.54	17.0	0.55	14.6	0.31	0.39	0.08	1.65	1.16
Dec	1.34	0.70	0.43	13.0	0.43	10.7	0.27	0.42	0.19	1.27	1.36
Annual	**26.9**	**15.0**	**6.58**	**235**	**7.10**	**199**	**4.68**	**5.25**	**1.18**	**21.8**	**31.5**

Table 3.30 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	98	98	98	98	98	98	98	98	98	98	94	94	94	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Nov	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Dec	100	100	100	100	100	100	100	100	100	100	99	99	99	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Vientian **Country: Lao PDR**

Table 3.31 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Apr	*	*	*	*	*	*	*	*	*	*	0.5	6.30	2.24	108.6
May	*	*	*	*	*	*	*	*	*	*	0.2	6.80	1.06	12.7
June	*	*	*	*	*	*	*	*	*	*	0.5	6.28	0.92	197.3
July	*	*	*	*	*	*	*	*	*	*	0.3	6.53	0.85	120.1
Aug	*	*	*	*	*	*	*	*	*	*	0.3	6.56	0.36	25.5
Sept	*	*	*	*	*	*	*	*	*	*	0.6	6.21	0.60	189.7
Oct	*	*	*	*	*	*	*	*	*	*	0.1	6.91	0.56	11.5
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Annual	*	*	*	*	*	*	*	*	*	*	**0.5**	**6.32**	**1.01**	**665.5**
Max.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.4	1.3	7.33	3.95	
Min.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.4	<0.1	5.88	0.22	

Table 3.31 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	*	*	*	*	*	*	*	*	*	*	0.06
May	*	*	*	*	*	*	*	*	*	*	<0.01
June	*	*	*	*	*	*	*	*	*	*	0.10
July	*	*	*	*	*	*	*	*	*	*	0.04
Aug	*	*	*	*	*	*	*	*	*	*	<0.01
Sept	*	*	*	*	*	*	*	*	*	*	0.12
Oct	*	*	*	*	*	*	*	*	*	*	<0.01
Nov	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	*	*	*	*	*	*	*	*	*	*	**0.32**

Table 3.31 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Apr	0	0	0	0	0	0	0	0	0	0	100	100	100	100
May	0	0	0	0	0	0	0	0	0	0	100	100	100	100
June	0	0	0	0	0	0	0	0	0	0	100	100	100	100
July	0	0	0	0	0	0	0	0	0	0	100	100	100	100
Aug	0	0	0	0	0	0	0	0	0	0	100	100	100	100
Sept	0	0	0	0	0	0	0	0	0	0	100	100	100	100
Oct	0	0	0	0	0	0	0	0	0	0	100	100	100	100
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Annual	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Petaling Jaya **Country: Malaysia**

Table 3.32 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	16.3	15.9	40.2	12.9	24.0	8.9	5.6	7.1	6.9	1.5	44.4	4.35	2.23	87.1
Feb	27.9	27.5	35.8	9.9	39.4	7.0	2.5	8.0	7.8	1.3	41.7	4.38	2.60	194.1
Mar	41.5	39.7	76.7	22.8	21.5	29.6	10.3	23.4	22.7	4.0	62.8	4.20	3.19	210.7
Apr	27.7	27.3	43.6	7.7	22.4	6.7	2.5	5.7	5.6	0.7	52.3	4.28	2.62	527.4
May	31.6	31.3	44.9	9.6	28.9	5.2	3.1	6.2	6.1	0.9	50.3	4.30	2.74	193.0
June	21.4	21.3	35.7	6.2	13.6	3.2	3.4	5.3	5.2	<0.4	52.5	4.28	2.37	50.4
July	16.7	16.5	26.1	4.6	17.7	2.9	<1.0	3.5	3.5	0.5	39.8	4.40	1.89	234.8
Aug	22.5	22.0	27.2	9.9	42.4	8.2	2.5	8.6	8.4	1.2	8.0	5.10	1.11	137.2
Sept	33.8	33.5	41.5	10.9	10.1	6.1	1.2	6.5	6.4	1.2	67.5	4.17	3.46	145.4
Oct	13.2	13.0	15.0	5.3	6.9	2.5	<1.0	1.4	1.3	<0.4	29.7	4.53	1.35	293.0
Nov	17.5	17.3	20.3	6.5	10.2	3.9	1.3	2.2	2.1	<0.4	41.2	4.38	1.82	277.4
Dec	17.4	17.3	31.9	7.4	19.4	2.7	<1.0	3.8	3.8	<0.4	36.6	4.44	1.59	497.0
Annual	**23.3**	**22.9**	**35.9**	**8.8**	**20.1**	**6.6**	**2.5**	**6.1**	**5.9**	**0.8**	**43.1**	**4.37**	**2.12**	**2847.5**
Max.	61.2	59.9	93.1	35.1	73.6	43.0	16.9	34.2	33.3	7.2	107	5.73	4.76	
Min.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.4	1.9	3.97	0.50	

Table 3.32 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	1.42	1.39	3.51	1.13	2.09	0.77	0.49	0.62	0.60	0.13	3.86
Feb	5.42	5.35	6.94	1.92	7.65	1.37	0.49	1.55	1.52	0.26	8.09
Mar	8.73	8.36	16.2	4.80	4.54	6.24	2.17	4.93	4.79	0.85	13.2
Apr	14.6	14.4	23.0	4.04	11.8	3.54	1.32	3.02	2.95	0.36	27.6
May	6.10	6.04	8.66	1.86	5.57	1.00	0.59	1.20	1.18	0.18	9.72
June	1.08	1.07	1.80	0.31	0.68	0.16	0.17	0.27	0.26	0.02	2.65
July	3.93	3.88	6.12	1.09	4.16	0.69	0.20	0.83	0.82	0.12	9.34
Aug	3.09	3.02	3.74	1.35	5.81	1.13	0.35	1.17	1.15	0.16	1.10
Sept	4.92	4.86	6.04	1.59	1.47	0.89	0.18	0.94	0.92	0.17	9.81
Oct	3.86	3.81	4.39	1.56	2.02	0.72	0.21	0.40	0.39	0.01	8.70
Nov	4.87	4.80	5.63	1.80	2.84	1.09	0.35	0.60	0.58	0.06	11.4
Dec	8.66	8.58	15.9	3.68	9.62	1.37	0.44	1.91	1.88	0.10	18.2
Annual	**66.4**	**65.3**	**102**	**25.0**	**57.3**	**18.9**	**6.99**	**17.3**	**16.9**	**2.40**	**123**

Table 3.32 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	92	92	92	100
Feb	100	100	100	100	100	100	100	100	100	100	73	73	73	100
Mar	100	100	100	100	100	100	100	100	100	100	36	36	36	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	84	84	84	100
July	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Aug	57	57	57	57	57	57	57	57	57	57	46	46	46	100
Sept	75	75	75	75	75	75	75	75	75	75	75	75	75	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**97**	**97**	**97**	**97**	**97**	**97**	**97**	**97**	**97**	**97**	**89**	**89**	**89**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Tanah Rata **Country: Malaysia**

Table 3.33 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	2.0	1.7	<1.0	7.5	<1.0	5.0	3.6	2.3	2.2	<0.4	*	*	*	21.0
Feb	7.6	7.3	12.8	6.3	10.6	5.1	2.3	2.4	2.2	<0.4	27.9	4.55	1.35	99.3
Mar	3.9	3.8	6.7	2.6	3.3	2.8	1.0	2.0	2.0	<0.4	19.8	4.70	0.98	117.2
Apr	7.7	7.6	9.8	3.2	4.3	2.5	1.8	2.6	2.6	<0.4	18.7	4.73	0.95	291.5
May	9.0	8.8	18.1	4.4	4.7	3.6	1.6	4.6	4.5	0.6	22.3	4.65	1.10	199.4
June	5.0	4.9	6.1	2.4	3.0	2.3	2.3	1.7	1.6	<0.4	19.0	4.72	0.75	226.6
July	5.4	5.1	5.4	2.5	2.7	5.6	<1.0	2.5	2.4	<0.4	12.7	4.89	0.57	235.6
Aug	7.6	7.4	12.9	3.3	10.9	3.5	1.0	4.7	4.6	<0.4	12.4	4.91	0.77	129.3
Sept	23.6	19.5	7.7	7.7	1.8	68.6	1.2	3.6	2.3	5.0	12.2	4.91	1.42	205.2
Oct	2.1	2.1	2.7	1.1	1.2	<1.0	<1.0	0.3	0.3	<0.4	9.6	5.02	0.38	410.4
Nov	2.1	2.1	1.4	1.7	<1.0	<1.0	<1.0	0.8	0.8	<0.4	11.3	4.95	0.43	353.0
Dec	1.6	1.6	2.3	<1.0	1.3	<1.0	<1.0	0.6	0.6	<0.4	11.4	4.94	0.37	597.6
Annual	**5.6**	**5.2**	**6.0**	**2.6**	**2.8**	**6.6**	**<1.0**	**1.8**	**1.7**	**0.5**	**14.3**	**4.84**	**0.68**	**2886.1**
Max.	69.5	54.9	30.3	21.5	36.0	242	4.7	11.1	11.0	17.6	33.9	5.79	2.88	
Min.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.4	1.6	4.47	0.12	

Table 3.33 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.04	0.04	0.01	0.16	0.00	0.10	0.07	0.05	0.05	<0.01	*
Feb	0.75	0.72	1.27	0.63	1.05	0.51	0.23	0.23	0.22	0.04	2.77
Mar	0.46	0.44	0.79	0.31	0.39	0.32	0.12	0.24	0.23	0.04	2.32
Apr	2.25	2.20	2.85	0.94	1.26	0.73	0.53	0.77	0.75	0.06	5.44
May	1.79	1.75	3.61	0.87	0.94	0.71	0.32	0.91	0.90	0.12	4.44
June	1.13	1.10	1.39	0.55	0.68	0.52	0.53	0.38	0.37	0.00	4.30
July	1.28	1.20	1.27	0.59	0.63	1.31	0.13	0.58	0.56	0.09	3.00
Aug	0.98	0.96	1.67	0.42	1.40	0.45	0.13	0.61	0.60	0.04	1.60
Sept	4.84	3.99	1.57	1.58	0.36	14.1	0.25	0.73	0.47	1.02	2.50
Oct	0.85	0.84	1.12	0.45	0.50	0.13	0.13	0.13	0.13	0.00	3.95
Nov	0.75	0.74	0.48	0.59	0.11	0.21	0.04	0.27	0.27	0.00	3.98
Dec	0.96	0.96	1.40	0.52	0.80	0.07	0.08	0.38	0.38	<0.01	6.81
Annual	**16.1**	**14.9**	**17.4**	**7.61**	**8.13**	**19.2**	**2.57**	**5.28**	**4.92**	**1.42**	**41.4**

Table 3.33 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	0	0	0	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	98	98	98	98	98	98	98	98	98	98	98	98	98	100
Apr	100	100	100	100	100	100	100	100	100	100	95	95	95	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	98	98	98	100
July	100	100	100	100	100	100	100	100	100	100	97	97	97	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	93	93	93	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	97	97	97	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**97**	**97**	**97**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Danum Valley **Country: Malaysia**

Table 3.34 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	1.7	1.6	<1.0	2.2	<1.0	1.2	<1.0	0.8	0.8	<0.4	4.7	5.33	0.53	80.8
Feb	9.7	8.7	2.7	20.4	<1.0	16.1	1.2	3.3	2.9	2.1	20.0	4.70	1.54	68.1
Mar	**	**	**	**	**	**	**	**	**	**	**	**	**	**
Apr	25.6	25.4	14.7	16.9	2.1	2.7	2.6	1.0	0.9	0.5	33.9	4.47	2.15	91.2
May	1.9	1.8	2.0	2.5	<1.0	2.1	<1.0	0.9	0.9	0.6	5.1	5.29	0.23	173.2
June	*	*	*	*	*	*	*	*	*	*	*	*	*	122.9
July	1.2	<1.0	<1.0	7.2	<1.0	10.5	3.3	2.1	1.9	0.4	7.6	5.12	0.45	188.0
Aug	*	*	*	*	*	*	*	*	*	*	*	*	*	81.8
Sept	3.6	3.5	3.4	1.9	<1.0	1.9	<1.0	1.0	0.9	<0.4	13.2	4.88	0.50	329.7
Oct	**	**	**	**	**	**	**	**	**	**	**	**	**	**
Nov	**	**	**	**	**	**	**	**	**	**	**	**	**	**
Dec	1.6	1.4	<1.0	6.2	7.5	2.9	1.3	1.3	1.2	<0.4	4.6	5.34	0.33	120.6
Annual	**4.4**	**4.1**	**2.5**	**6.0**	**2.0**	**4.5**	**1.2**	**1.4**	**1.3**	**<0.4**	**10.5**	**4.98**	**0.56**	**1256.3**
Max.	25.6	25.4	17.5	93.2	20.9	82.4	6.7	18.3	18.0	11.0	33.9	6.18	2.15	
Min.	1.1	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	0.7	0.7	<0.4	0.7	4.47	0.23	

Table 3.34 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.14	0.13	0.00	0.18	0.00	0.10	0.02	0.06	0.06	0.00	0.38
Feb	0.66	0.59	0.18	1.39	0.06	1.10	0.08	0.22	0.20	0.14	1.36
Mar	**	**	**	**	**	**	**	**	**	**	**
Apr	2.33	2.32	1.34	1.54	0.19	0.25	0.24	0.09	0.09	0.05	3.09
May	0.33	0.30	0.35	0.43	0.12	0.36	0.06	0.16	0.15	0.10	0.89
June	*	*	*	*	*	*	*	*	*	*	*
July	0.22	0.10	0.09	1.35	0.15	1.97	0.62	0.39	0.35	0.08	1.43
Aug	*	*	*	*	*	*	*	*	*	*	*
Sept	1.20	1.16	1.11	0.64	0.32	0.64	0.23	0.32	0.30	0.00	4.36
Oct	**	**	**	**	**	**	**	**	**	**	**
Nov	**	**	**	**	**	**	**	**	**	**	**
Dec	0.20	0.17	0.02	0.75	0.91	0.35	0.16	0.15	0.15	0.00	0.56
Annual	**5.53**	**5.19**	**3.14**	**7.54**	**2.55**	**5.59**	**1.47**	**1.70**	**1.58**	**0.41**	**13.1**

Table 3.34 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	100	100	100	25
Feb	100	100	100	100	100	100	100	100	100	100	19	19	19	75
Mar	**	**	**	**	**	**	**	**	**	**	**	**	**	0
Apr	38	38	38	38	38	38	38	38	38	38	38	38	38	60
May	26	26	26	26	26	26	26	26	26	26	26	26	26	50
June	0	0	0	0	0	0	0	0	0	0	0	0	0	50
July	40	40	40	40	40	40	40	40	40	40	40	40	40	100
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Sept	76	76	76	76	76	76	76	76	76	76	76	76	76	60
Oct	**	**	**	**	**	**	**	**	**	**	**	**	**	0
Nov	**	**	**	**	**	**	**	**	**	**	**	**	**	0
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	60
Annual	**54**	**54**	**54**	**54**	**54**	**54**	**54**	**54**	**54**	**54**	**49**	**49**	**49**	**50**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Ulaanbaatar **Country: Mongolia**

Table 3.35 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Apr	36.2	34.9	12.0	33.7	41.4	20.5	4.4	85.3	84.8	8.8	0.1	6.83	2.76	4.3
May	33.9	33.2	22.5	15.6	61.9	11.9	5.7	68.3	68.1	7.1	0.5	6.34	2.40	13.7
June	21.9	21.5	17.4	10.2	52.1	7.7	4.4	55.1	54.9	5.8	0.4	6.43	1.99	23.0
July	26.9	26.5	18.4	4.1	54.3	6.6	4.7	45.9	45.7	5.4	0.2	6.65	1.77	55.6
Aug	27.3	27.0	21.7	5.6	55.5	4.3	3.3	36.5	36.4	3.5	3.2	5.50	1.71	38.3
Sept	15.4	15.2	11.6	6.7	49.6	4.4	3.2	41.0	40.9	4.2	0.3	6.58	1.30	13.8
Oct	76.3	74.3	33.5	21.4	72.6	32.6	11.2	230	229	13.6	<0.1	8.29	5.42	1.8
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Annual	**26.7**	**26.3**	**18.8**	**7.8**	**54.4**	**7.2**	**4.3**	**49.8**	**49.6**	**5.2**	**1.0**	**5.99**	**1.87**	**150.3**
Max.	185	184	119	47.1	238	47.0	23.5	370	369	29.6	15.8	8.29	8.67	
Min.	6.7	6.5	4.2	<1.0	20.5	<1.0	1.8	8.5	8.5	0.8	<0.1	4.80	0.61	

Table 3.35 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	0.16	0.15	0.05	0.14	0.18	0.09	0.02	0.37	0.36	0.04	<0.01
May	0.47	0.46	0.31	0.21	0.85	0.16	0.08	0.94	0.94	0.10	<0.01
June	0.50	0.49	0.40	0.23	1.20	0.18	0.10	1.26	1.26	0.13	<0.01
July	1.49	1.47	1.02	0.23	3.02	0.37	0.26	2.55	2.54	0.30	0.01
Aug	1.04	1.03	0.83	0.21	2.12	0.16	0.13	1.40	1.39	0.13	0.12
Sept	0.21	0.21	0.16	0.09	0.68	0.06	0.04	0.56	0.56	0.06	<0.01
Oct	0.14	0.13	0.06	0.04	0.13	0.06	0.02	0.41	0.41	0.02	<0.01
Nov	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	**4.01**	**3.95**	**2.83**	**1.17**	**8.18**	**1.08**	**0.65**	**7.49**	**7.46**	**0.78**	**0.15**

Table 3.35 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Terelj **Country: Mongolia**

Table 3.36 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Apr	30.7	29.0	35.3	23.6	53.6	27.4	18.4	56.6	56.0	9.9	0.7	6.18	2.76	1.4
May	15.0	14.4	12.8	9.3	27.4	9.1	4.6	25.1	24.9	5.5	5.9	5.23	1.31	26.8
June	12.2	11.9	14.4	7.8	27.5	4.4	6.2	14.2	14.1	4.0	4.9	5.31	1.07	17.2
July	14.3	13.7	12.8	4.6	30.9	10.6	5.3	17.5	17.3	4.1	1.8	5.74	1.06	57.2
Aug	22.8	21.9	10.4	13.2	41.1	15.4	8.7	7.1	6.7	3.3	8.7	5.06	1.32	109.8
Sept	6.7	6.6	8.4	7.6	37.2	2.8	2.2	10.5	10.4	1.8	1.2	5.91	0.64	32.0
Oct	79.3	75.3	77.7	52.5	94.2	66.6	10.7	163	161	13.2	0.1	6.89	5.53	1.3
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Annual	**17.5**	**16.8**	**11.8**	**9.9**	**36.1**	**11.5**	**6.5**	**13.6**	**13.3**	**3.7**	**5.4**	**5.26**	**1.18**	**245.8**
Max.	79.3	75.3	77.7	52.5	135	68.3	54.7	171	170	29.2	52.5	7.20	5.54	
Min.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.2	2.0	<0.4	<0.1	4.28	0.22	

Table 3.36 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	0.04	0.04	0.05	0.03	0.07	0.04	0.03	0.08	0.08	0.01	<0.01
May	0.40	0.39	0.34	0.25	0.73	0.25	0.12	0.67	0.67	0.15	0.16
June	0.21	0.21	0.25	0.13	0.47	0.08	0.11	0.25	0.24	0.07	0.08
July	0.82	0.78	0.73	0.26	1.77	0.61	0.30	1.00	0.99	0.24	0.10
Aug	2.51	2.40	1.14	1.45	4.51	1.69	0.95	0.78	0.74	0.36	0.95
Sept	0.22	0.21	0.27	0.24	1.19	0.09	0.07	0.34	0.33	0.06	0.04
Oct	0.11	0.10	0.10	0.07	0.13	0.09	0.01	0.22	0.21	0.02	<0.01
Nov	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	**4.29**	**4.12**	**2.89**	**2.44**	**8.87**	**2.83**	**1.59**	**3.33**	**3.27**	**0.90**	**1.34**

Table 3.36 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Metro Manila **Country: Philippines**

Table 3.37 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	*	*	*	*	*	*	*	*	*	*	*	*	*	12.7
Feb	33.8	32.8	6.1	24.7	55.1	17.3	3.0	17.2	16.8	2.6	0.8	6.12	1.89	12.0
Mar	29.7	29.3	12.8	17.5	110	5.9	2.5	19.1	19.0	1.5	0.6	6.25	1.59	16.0
Apr	91.9	87.1	56.7	52.9	301	78.9	14.9	47.8	46.1	8.0	14.7	4.83	5.06	23.8
May	48.8	47.8	63.8	16.7	44.5	15.6	4.7	20.3	19.9	5.3	41.8	4.38	3.75	173.0
June	11.2	10.5	5.1	8.5	7.2	10.8	2.5	5.3	5.1	1.4	6.9	5.16	0.90	493.8
July	29.9	28.3	21.6	21.2	29.9	26.3	3.8	13.1	12.5	1.8	16.7	4.78	2.07	220.0
Aug	26.6	24.7	26.1	28.7	21.5	33.0	4.1	8.9	8.2	4.8	15.2	4.82	2.09	366.2
Sept	17.7	17.1	7.9	10.5	23.4	10.8	2.1	4.6	4.3	1.2	7.6	5.12	1.08	394.4
Oct	24.2	23.7	26.9	7.0	38.6	7.9	6.3	12.6	12.4	1.9	5.0	5.30	1.42	516.8
Nov	39.1	38.4	52.7	14.3	72.1	11.8	3.2	29.0	28.7	3.7	11.2	4.95	2.11	62.6
Dec	17.0	16.7	12.2	8.6	19.5	6.0	1.5	12.2	12.1	1.6	1.2	5.93	1.66	85.4
Annual	**24.0**	**23.0**	**21.5**	**14.2**	**29.9**	**15.9**	**3.9**	**10.6**	**10.3**	**2.5**	**11.3**	**4.95**	**1.66**	**2376.7**
Max.	124	117	98.4	108	373	107	19.0	158	156	23.6	63.1	7.28	6.51	
Min.	7.2	6.9	3.3	2.1	<1.0	<1.0	<1.0	2.8	2.7	0.6	<0.1	4.20	0.44	

Table 3.37 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	*	*	*	*	*	*	*	*	*	*	*
Feb	0.41	0.39	0.07	0.30	0.66	0.21	0.04	0.21	0.20	0.03	<0.01
Mar	0.47	0.47	0.20	0.28	1.76	0.09	0.04	0.31	0.30	0.02	<0.01
Apr	2.19	2.07	1.35	1.26	7.15	1.88	0.35	1.14	1.10	0.19	0.35
May	8.44	8.28	11.0	2.90	7.70	2.69	0.82	3.51	3.45	0.91	7.23
June	5.52	5.19	2.51	4.20	3.55	5.36	1.22	2.61	2.50	0.67	3.43
July	6.58	6.23	4.76	4.66	6.58	5.79	0.83	2.88	2.76	0.41	3.66
Aug	9.75	9.03	9.57	10.5	7.88	12.1	1.50	3.26	3.00	1.76	5.56
Sept	7.00	6.74	3.13	4.16	9.21	4.25	0.81	1.80	1.71	0.47	3.00
Oct	12.5	12.2	13.9	3.62	20.0	4.10	3.28	6.52	6.43	0.99	2.58
Nov	2.45	2.40	3.30	0.89	4.51	0.74	0.20	1.81	1.80	0.23	0.70
Dec	1.45	1.42	1.04	0.73	1.66	0.51	0.13	1.04	1.03	0.14	0.10
Annual	**57.1**	**54.8**	**51.1**	**33.7**	**71.0**	**37.9**	**9.28**	**25.2**	**24.4**	**5.86**	**26.8**

Table 3.37 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Los Banos **Country: Philippines**

Table 3.38 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	31.1	23.9	16.6	141	40.3	120	7.0	17.4	14.8	13.9	0.9	6.07	3.40	15.5
Feb	17.4	14.9	5.8	64.1	274	40.5	10.5	8.1	7.2	4.6	0.5	6.30	3.24	16.6
Mar	13.7	11.8	5.3	62.1	93.7	33.0	2.6	0.5	<0.2	4.4	1.0	6.01	1.34	45.0
Apr	16.1	15.4	20.5	15.0	52.5	12.1	3.5	4.0	3.8	1.6	26.7	4.57	1.60	65.5
May	20.8	20.3	26.7	11.3	23.8	9.4	3.7	6.0	5.8	2.4	22.5	4.65	1.89	63.0
June	21.0	20.4	8.4	6.5	17.0	10.2	2.6	6.1	5.9	2.4	14.1	4.85	1.46	77.7
July	12.8	11.8	10.6	13.1	17.5	17.4	3.5	4.0	3.6	3.3	4.3	5.37	1.01	101.2
Aug	13.0	11.8	10.7	14.0	<1.0	21.0	3.6	4.9	4.5	2.9	9.8	5.01	1.20	201.9
Sept	8.3	7.7	7.4	5.4	7.4	9.8	1.5	2.2	1.9	1.0	6.5	5.19	0.72	295.5
Oct	8.1	7.0	10.1	20.6	14.2	18.4	2.1	3.0	2.6	2.1	3.6	5.44	0.76	264.6
Nov	12.5	11.3	8.9	22.7	7.7	20.5	1.5	5.1	4.6	2.9	14.3	4.84	1.20	101.0
Dec	2.8	1.8	7.3	21.5	3.3	16.4	<1.0	2.3	2.0	2.2	2.0	5.69	0.71	395.6
Annual	**9.9**	**8.8**	**9.8**	**18.1**	**15.0**	**17.2**	**2.2**	**3.5**	**3.2**	**2.3**	**7.3**	**5.14**	**1.01**	**1643.1**
Max.	50.4	48.7	60.2	240	530	235	18.2	29.7	24.6	30.5	95.5	7.65	5.70	
Min.	1.7	1.3	3.0	2.5	<1.0	2.7	<1.0	<0.2	<0.2	0.4	<0.1	4.02	0.28	

Table 3.38 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.48	0.37	0.26	2.19	0.62	1.86	0.11	0.27	0.23	0.21	0.01
Feb	0.29	0.25	0.10	1.06	4.54	0.67	0.17	0.13	0.12	0.08	<0.01
Mar	0.62	0.53	0.24	2.79	4.22	1.49	0.12	0.02	0.00	0.20	0.04
Apr	1.06	1.01	1.34	0.98	3.44	0.79	0.23	0.26	0.25	0.11	1.75
May	1.31	1.28	1.68	0.71	1.50	0.59	0.23	0.38	0.37	0.15	1.42
June	1.63	1.58	0.65	0.50	1.32	0.79	0.20	0.47	0.46	0.19	1.10
July	1.30	1.19	1.07	1.32	1.77	1.76	0.36	0.40	0.36	0.34	0.43
Aug	2.63	2.38	2.16	2.83	0.20	4.24	0.73	1.00	0.90	0.60	1.99
Sept	2.45	2.27	2.18	1.60	2.18	2.91	0.44	0.64	0.57	0.28	1.91
Oct	2.14	1.85	2.66	5.46	3.75	4.86	0.57	0.78	0.68	0.57	0.96
Nov	1.27	1.14	0.90	2.29	0.78	2.07	0.15	0.51	0.47	0.29	1.45
Dec	1.10	0.71	2.87	8.51	1.30	6.47	0.33	0.93	0.79	0.86	0.81
Annual	**16.2**	**14.5**	**16.2**	**29.7**	**24.7**	**28.3**	**3.62**	**5.82**	**5.22**	**3.84**	**11.9**

Table 3.38 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	97	97	97	97	97	97	97	97	97	97	97	97	97	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	73	73	73	73	73	73	73	73	73	73	73	73	73	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	98	98	98	98	98	98	98	98	98	98	98	98	98	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Kanghwa **Country: Republic of Korea**

Table 3.39 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	85.9	75.8	115	185	116	167	35.3	61.3	57.7	42.0	12.6	4.90	8.00	8.6
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Apr	48.7	46.5	50.7	52.7	72.4	37.1	10.4	27.0	26.2	9.6	13.8	4.86	3.45	77.5
May	28.5	27.4	34.8	45.5	59.2	19.4	9.1	13.5	13.1	5.2	8.3	5.08	2.00	110.0
June	79.2	75.7	83.5	98.5	175	57.4	9.2	24.9	23.7	12.1	14.6	4.84	4.49	76.0
July	71.6	70.1	63.8	66.3	111	25.5	5.5	7.7	7.1	4.5	134	3.87	7.15	190.5
Aug	44.7	41.0	30.5	64.0	7.3	60.4	2.8	6.9	5.5	5.3	70.9	4.15	4.12	60.0
Sept	27.4	25.7	24.7	36.8	20.0	27.7	3.6	3.7	3.1	4.3	44.7	4.35	2.90	280.5
Oct	19.2	18.3	59.1	45.1	31.3	14.2	28.9	9.9	9.6	4.9	39.8	4.40	3.53	6.2
Nov	77.2	75.3	105	159	23.8	31.4	5.3	6.2	5.5	5.1	398	3.40	15.5	1.0
Dec	59.2	50.5	43.2	113	24.4	144	22.3	16.9	13.8	22.6	20.0	4.70	4.00	1.0
Annual	**46.8**	**44.7**	**45.0**	**56.1**	**66.4**	**33.7**	**6.5**	**11.1**	**10.3**	**6.2**	**56.9**	**4.25**	**4.14**	**811.3**
Max.	90.1	88.1	115	185	206	167	35.3	61.3	57.7	42.0	398	5.20	15.5	
Min.	7.8	7.4	10.5	12.9	1.5	7.5	1.7	1.9	1.6	1.2	6.3	3.40	1.50	

Table 3.39 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.74	0.65	0.99	1.59	0.99	1.44	0.30	0.53	0.50	0.36	0.11
Mar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	3.78	3.60	3.93	4.08	5.61	2.87	0.80	2.09	2.03	0.74	1.07
May	3.14	3.01	3.83	5.01	6.52	2.13	1.01	1.49	1.44	0.57	0.91
June	6.02	5.76	6.35	7.49	13.3	4.36	0.70	1.89	1.80	0.92	1.11
July	13.6	13.3	12.2	12.6	21.1	4.85	1.06	1.46	1.36	0.85	25.5
Aug	2.68	2.46	1.83	3.84	0.44	3.62	0.17	0.41	0.33	0.32	4.25
Sept	7.68	7.21	6.93	10.3	5.61	7.77	1.02	1.03	0.86	1.21	12.5
Oct	0.12	0.11	0.37	0.28	0.19	0.09	0.18	0.06	0.06	0.03	0.25
Nov	0.08	0.08	0.11	0.16	0.02	0.03	<0.01	<0.01	<0.01	<0.01	0.40
Dec	0.06	0.05	0.04	0.11	0.02	0.14	0.02	0.02	0.01	0.02	0.02
Annual	**37.9**	**36.3**	**36.5**	**45.5**	**53.8**	**27.3**	**5.26**	**8.98**	**8.39**	**5.03**	**46.1**

Table 3.39 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Cheju (Kosan) **Country: Republic of Korea**

Table 3.40 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	28.8	25.9	28.1	68.9	35.3	47.9	5.7	8.1	7.0	10.7	25.7	4.59	2.68	57.0
Mar	46.5	39.1	25.2	152	31.3	123	16.2	19.7	17.0	38.6	13.7	4.86	4.43	96.2
Apr	51.2	45.2	51.1	135	58.6	100	11.2	20.3	18.2	16.1	24.5	4.61	4.67	51.0
May	20.5	17.7	13.7	64.4	22.4	46.9	4.1	6.5	5.5	6.8	14.5	4.84	1.76	79.1
June	32.0	27.7	27.2	87.0	12.0	69.9	9.4	7.1	5.6	6.0	51.2	4.29	3.48	33.0
July	33.1	29.2	21.6	77.8	23.8	65.0	4.9	7.7	6.3	6.5	36.8	4.43	3.00	166.1
Aug	24.8	20.1	17.3	98.1	19.7	76.8	5.5	5.6	4.0	5.2	47.7	4.32	3.50	105.8
Sept	63.1	43.5	24.9	278	14.1	325	26.3	36.3	29.2	35.1	0.8	6.10	7.00	9.0
Oct	24.1	21.0	37.8	140	67.6	51.7	6.0	14.5	13.4	24.2	25.9	4.59	3.53	42.9
Nov	48.3	38.1	65.8	154	52.9	170	19.8	16.8	13.1	29.7	19.1	4.72	4.81	38.5
Dec	48.7	39.9	40.2	97.3	14.6	145	13.1	13.2	10.1	24.6	1.1	5.95	2.97	20.5
Annual	**34.3**	**29.2**	**27.5**	**105**	**30.9**	**84.8**	**8.6**	**11.3**	**9.4**	**15.0**	**28.5**	**4.55**	**3.43**	**699.1**
Max.	111	98.9	122	278	124	325	65.2	64.1	61.9	89.5	100	6.60	8.00	
Min.	6.8	3.2	1.4	19.0	2.2	12.9	2.1	2.3	0.7	<0.4	0.3	4.00	0.90	

Table 3.40 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	1.64	1.48	1.60	3.93	2.01	2.73	0.32	0.46	0.40	0.61	1.47
Mar	4.48	3.76	2.43	14.6	3.01	11.8	1.56	1.89	1.64	3.72	1.32
Apr	2.61	2.31	2.61	6.90	2.99	5.11	0.57	1.04	0.93	0.82	1.25
May	1.62	1.40	1.08	5.09	1.77	3.71	0.32	0.52	0.44	0.54	1.15
June	1.05	0.92	0.90	2.87	0.40	2.31	0.31	0.24	0.19	0.20	1.69
July	5.50	4.85	3.59	12.9	3.95	10.8	0.81	1.28	1.05	1.08	6.11
Aug	2.62	2.13	1.83	10.4	2.09	8.13	0.59	0.60	0.42	0.55	5.05
Sept	0.57	0.39	0.22	2.50	0.13	2.92	0.24	0.33	0.26	0.32	<0.01
Oct	1.04	0.90	1.62	5.99	2.90	2.22	0.26	0.62	0.57	1.04	1.11
Nov	1.86	1.47	2.53	5.91	2.04	6.56	0.76	0.65	0.51	1.14	0.73
Dec	1.00	0.82	0.82	1.99	0.30	2.98	0.27	0.27	0.21	0.50	0.02
Annual	**24.0**	**20.4**	**19.2**	**73.1**	**21.6**	**59.3**	**6.02**	**7.89**	**6.61**	**10.5**	**19.9**

Table 3.40 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Imsil **Country: Republic of Korea**

Table 3.41 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	48.7	44.1	68.5	116	110	75.9	15.1	41.7	40.0	19.0	4.0	5.40	4.50	17.5
Mar	30.7	29.1	35.9	32.9	41.8	25.7	10.6	15.2	14.6	4.2	5.5	5.26	1.99	54.7
Apr	33.0	29.5	31.4	73.1	62.2	57.4	25.6	14.2	13.0	3.8	0.9	6.04	2.49	48.0
May	36.4	34.3	44.1	50.0	56.6	33.8	24.1	17.4	16.7	5.5	1.6	5.79	2.56	28.4
June	17.4	16.1	21.9	43.5	35.0	20.9	36.1	2.9	2.4	1.1	0.3	6.55	1.46	111.5
July	21.9	20.8	22.1	30.0	43.9	17.2	19.2	3.0	2.6	1.1	0.7	6.15	1.39	448.5
Aug	23.3	22.3	28.9	58.2	12.5	16.7	109	2.7	2.3	1.0	0.4	6.40	2.02	392.0
Sept	12.3	11.1	16.4	29.5	7.5	20.4	28.3	2.3	1.8	0.7	0.5	6.32	1.01	57.5
Oct	47.9	44.7	48.7	62.8	78.9	53.9	16.5	18.7	17.5	8.6	7.9	5.10	3.33	13.5
Nov	12.4	11.5	18.6	20.5	28.7	14.4	5.5	4.3	4.0	1.3	0.6	6.24	0.90	35.0
Dec	15.2	12.9	24.8	42.0	16.9	38.7	7.1	6.2	5.3	4.3	2.9	5.53	1.45	41.5
Annual	**22.8**	**21.5**	**26.4**	**44.0**	**32.4**	**21.7**	**48.6**	**5.0**	**4.5**	**1.8**	**1.0**	**6.00**	**1.72**	**1248.1**
Max.	89.0	80.5	131	214	201	140	200	51.9	48.9	25.4	15.8	6.80	7.03	
Min.	5.7	5.1	10.2	11.3	4.4	7.9	3.8	1.1	0.9	0.5	0.2	4.80	0.59	

Table 3.41 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.85	0.77	1.20	2.03	1.93	1.33	0.26	0.73	0.70	0.33	0.07
Mar	1.68	1.59	1.97	1.80	2.29	1.41	0.58	0.83	0.80	0.23	0.30
Apr	1.58	1.42	1.51	3.51	2.98	2.76	1.23	0.68	0.62	0.18	0.04
May	1.03	0.97	1.25	1.42	1.61	0.96	0.68	0.50	0.47	0.16	0.05
June	1.94	1.80	2.45	4.85	3.90	2.33	4.02	0.32	0.27	0.12	0.03
July	9.81	9.34	9.93	13.5	19.7	7.71	8.62	1.34	1.18	0.47	0.32
Aug	9.12	8.72	11.3	22.8	4.90	6.53	42.9	1.04	0.90	0.39	0.16
Sept	0.71	0.64	0.94	1.70	0.43	1.17	1.63	0.13	0.11	0.04	0.03
Oct	0.65	0.60	0.66	0.85	1.07	0.73	0.22	0.25	0.24	0.12	0.11
Nov	0.43	0.40	0.65	0.72	1.01	0.50	0.19	0.15	0.14	0.04	0.02
Dec	0.63	0.53	1.03	1.74	0.70	1.60	0.30	0.26	0.22	0.18	0.12
Annual	**28.4**	**26.8**	**32.9**	**54.9**	**40.5**	**27.0**	**60.6**	**6.24**	**5.65**	**2.27**	**1.24**

Table 3.41 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Mondy **Country: Russia**

Table 3.42 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	4.7	4.5	6.0	2.8	3.3	2.2	3.3	8.7	8.7	1.6	0.6	6.19	0.43	5.9
Feb	3.4	2.9	9.2	6.8	8.2	8.4	2.8	10.2	10.0	2.0	0.8	6.10	0.55	2.3
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Apr	5.9	5.7	3.3	13.8	6.5	2.6	1.2	11.0	10.9	1.4	2.3	5.64	0.55	30.2
May	9.2	9.1	9.2	18.4	20.0	1.2	9.6	15.7	15.7	6.4	2.0	5.69	1.09	8.8
June	3.5	3.4	5.3	4.5	8.7	<1.0	<1.0	1.4	1.4	0.5	3.3	5.48	0.33	33.0
July	3.9	3.8	4.8	5.5	10.5	1.9	<1.0	2.8	2.8	0.7	3.8	5.42	0.42	71.4
Aug	6.8	6.8	5.3	4.1	9.5	1.2	<1.0	3.1	3.1	0.8	6.6	5.18	0.53	107.5
Sept	4.7	4.6	5.1	2.7	15.3	1.4	<1.0	2.3	2.2	0.4	2.0	5.70	0.42	20.5
Oct	2.5	2.4	1.1	6.2	1.7	<1.0	<1.0	3.0	3.0	0.8	2.6	5.58	0.30	6.6
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Annual	**5.4**	**5.3**	**5.0**	**5.9**	**9.8**	**1.5**	**1.0**	**4.2**	**4.1**	**1.0**	**4.3**	**5.36**	**0.49**	**286.1**
Max.	15.1	15.0	14.0	25.4	36.7	13.9	15.9	19.7	19.7	8.2	9.5	6.33	1.32	
Min.	1.7	1.6	1.1	<1.0	<1.0	<1.0	<1.0	1.0	1.0	0.4	0.5	5.02	0.26	

Table 3.42 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.03	0.03	0.04	0.02	0.02	0.01	0.02	0.05	0.05	<0.01	<0.01
Feb	<0.01	<0.01	0.02	0.02	0.02	0.02	<0.01	0.02	0.02	<0.01	<0.01
Mar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	0.18	0.17	0.10	0.42	0.20	0.08	0.04	0.33	0.33	0.04	0.07
May	0.08	0.08	0.08	0.16	0.18	0.01	0.08	0.14	0.14	0.06	0.02
June	0.11	0.11	0.18	0.15	0.29	0.02	0.02	0.05	0.05	0.02	0.11
July	0.28	0.27	0.35	0.40	0.75	0.14	0.06	0.20	0.20	0.05	0.27
Aug	0.74	0.73	0.57	0.44	1.02	0.12	0.05	0.33	0.33	0.08	0.71
Sept	0.10	0.10	0.10	0.05	0.31	0.03	<0.01	0.05	0.05	<0.01	0.04
Oct	0.02	0.02	<0.01	0.04	0.01	<0.01	<0.01	0.02	0.02	<0.01	0.02
Nov	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	**1.54**	**1.51**	**1.44**	**1.69**	**2.79**	**0.44**	**0.30**	**1.19**	**1.18**	**0.27**	**1.24**

Table 3.42 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Listvyanka **Country: Russia**

Table 3.43 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	13.6	13.2	35.0	4.0	6.3	6.3	2.7	18.4	18.2	4.8	8.1	5.09	1.27	9.9
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Mar	37.1	36.5	39.8	7.8	25.5	8.8	3.1	38.9	38.8	7.5	5.7	5.24	2.10	2.7
Apr	21.1	20.7	14.4	8.9	21.9	6.2	2.3	11.5	11.3	1.8	16.8	4.78	1.69	70.4
May	35.6	35.2	23.5	16.2	54.8	6.3	2.7	12.7	12.6	2.7	24.9	4.60	2.19	28.8
June	9.7	9.5	5.2	5.0	10.6	2.0	1.1	0.5	0.5	0.5	16.4	4.79	0.93	77.3
July	14.3	14.3	9.2	3.6	18.5	1.1	<1.0	4.8	4.8	0.8	12.8	4.89	0.95	91.3
Aug	11.7	11.6	5.1	3.4	9.8	<1.0	<1.0	3.6	3.6	0.6	13.8	4.86	0.80	86.2
Sept	36.4	36.1	17.8	6.4	13.0	5.9	2.2	22.9	22.8	5.4	16.5	4.78	1.75	23.1
Oct	24.9	24.7	13.9	3.4	20.5	3.5	1.4	9.7	9.7	2.4	19.6	4.71	1.51	26.5
Nov	22.7	22.5	21.5	3.7	7.7	3.0	<1.0	25.5	25.4	4.0	4.2	5.38	1.11	7.7
Dec	13.7	13.4	21.7	1.6	3.1	4.4	<1.0	17.9	17.8	2.4	2.5	5.59	0.79	27.9
Annual	**17.3**	**17.1**	**11.8**	**5.4**	**16.6**	**3.0**	**1.1**	**8.2**	**8.2**	**1.6**	**14.7**	**4.83**	**1.19**	**451.8**
Max.	76.6	75.9	94.5	39.2	88.8	37.0	13.3	90.3	89.9	17.7	63.1	6.48	5.67	
Min.	1.6	1.5	2.3	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.4	0.3	4.20	0.28	

Table 3.43 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.13	0.13	0.35	0.04	0.06	0.06	0.03	0.18	0.18	0.05	0.08
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	0.10	0.10	0.11	0.02	0.07	0.02	<0.01	0.11	0.10	0.02	0.02
Apr	1.48	1.46	1.02	0.63	1.54	0.44	0.16	0.81	0.80	0.12	1.18
May	1.02	1.01	0.68	0.47	1.58	0.18	0.08	0.37	0.36	0.08	0.72
June	0.75	0.74	0.40	0.39	0.82	0.16	0.09	0.04	0.04	0.04	1.27
July	1.31	1.30	0.84	0.33	1.69	0.10	0.04	0.44	0.44	0.07	1.16
Aug	1.00	1.00	0.44	0.29	0.84	0.04	0.04	0.31	0.31	0.05	1.19
Sept	0.84	0.83	0.41	0.15	0.30	0.14	0.05	0.53	0.53	0.12	0.38
Oct	0.66	0.65	0.37	0.09	0.54	0.09	0.04	0.26	0.26	0.06	0.52
Nov	0.17	0.17	0.17	0.03	0.06	0.02	<0.01	0.20	0.20	0.03	0.03
Dec	0.38	0.38	0.60	0.04	0.09	0.12	<0.01	0.50	0.50	0.07	0.07
Annual	**7.80**	**7.72**	**5.34**	**2.43**	**7.50**	**1.36**	**0.52**	**3.72**	**3.69**	**0.72**	**6.62**

Table 3.43 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	92	92	92	92	92	92	92	92	92	92	100	100	100	100
May	93	93	93	93	94	100	100	100	100	100	100	100	93	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	97	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**98**	**98**	**98**	**98**	**98**	**99**	**99**	**99**	**99**	**99**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Irkutsk **Country: Russia**

Table 3.44 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	41.5	40.6	32.9	13.7	25.3	15.0	5.1	40.6	40.2	14.8	1.6	5.79	2.30	14.7
Feb	65.0	61.2	55.6	52.9	39.5	63.6	7.5	81.7	80.3	26.7	0.9	6.02	4.66	3.1
Mar	59.0	54.9	41.9	67.4	38.8	67.9	8.8	78.4	76.9	17.2	1.0	6.02	4.19	3.5
Apr	32.7	31.9	18.0	19.9	38.3	14.4	7.6	26.5	26.2	8.7	3.3	5.48	1.89	48.8
May	47.0	46.5	21.2	20.7	69.8	8.3	6.6	34.9	34.7	7.2	5.8	5.24	2.43	28.9
June	20.3	20.1	12.2	10.4	35.8	3.4	3.7	10.3	10.2	2.9	10.5	4.98	1.36	85.4
July	25.4	25.3	20.6	8.5	44.3	2.0	2.5	14.6	14.6	3.8	11.4	4.94	1.66	66.5
Aug	24.9	24.8	9.6	6.3	29.4	2.1	1.1	11.7	11.7	2.2	11.5	4.94	1.29	96.0
Sept	26.7	26.5	11.5	5.3	23.0	4.6	2.3	21.0	20.9	4.1	5.7	5.25	1.36	29.6
Oct	28.5	28.2	10.8	8.5	30.7	4.0	3.4	30.3	30.2	3.6	2.3	5.64	1.44	19.9
Nov	38.0	36.4	21.5	32.8	29.2	25.5	4.5	53.8	53.2	10.2	0.6	6.19	2.79	15.5
Dec	18.2	17.8	24.8	13.8	16.3	7.6	<1.0	36.3	36.1	6.4	0.7	6.13	1.56	30.0
Annual	**27.8**	**27.4**	**16.4**	**12.4**	**35.3**	**6.9**	**3.4**	**21.6**	**21.4**	**5.1**	**7.6**	**5.12**	**1.66**	**441.7**
Max.	251	237	123	296	240	309	111	374	368	112	50.1	7.22	15.7	
Min.	4.4	4.2	1.5	<1.0	2.8	<1.0	<1.0	1.5	1.4	<0.4	<0.1	4.30	0.51	

Table 3.44 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.61	0.60	0.48	0.20	0.37	0.22	0.07	0.59	0.59	0.22	0.02
Feb	0.20	0.19	0.17	0.16	0.12	0.19	0.02	0.25	0.25	0.08	<0.01
Mar	0.20	0.19	0.14	0.23	0.13	0.23	0.03	0.27	0.27	0.06	<0.01
Apr	1.60	1.56	0.88	0.97	1.87	0.70	0.37	1.29	1.28	0.42	0.16
May	1.36	1.35	0.61	0.60	2.02	0.24	0.19	1.01	1.00	0.21	0.17
June	1.74	1.72	1.04	0.89	3.05	0.29	0.32	0.88	0.87	0.25	0.90
July	1.69	1.68	1.37	0.56	2.95	0.13	0.16	0.97	0.97	0.25	0.76
Aug	2.39	2.38	0.92	0.61	2.82	0.20	0.10	1.13	1.12	0.21	1.10
Sept	0.79	0.78	0.34	0.16	0.68	0.14	0.07	0.62	0.62	0.12	0.17
Oct	0.57	0.56	0.21	0.17	0.61	0.08	0.07	0.60	0.60	0.07	0.05
Nov	0.59	0.56	0.33	0.51	0.45	0.39	0.07	0.83	0.82	0.16	<0.01
Dec	0.55	0.53	0.74	0.41	0.49	0.23	0.02	1.09	1.08	0.19	0.02
Annual	**12.3**	**12.1**	**7.25**	**5.47**	**15.6**	**3.04**	**1.50**	**9.53**	**9.46**	**2.24**	**3.36**

Table 3.44 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	99	100	100	100	100	100	100	100	100	100
Feb	96	96	96	96	96	96	96	96	96	96	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	99	99	99	99	99	99	99	99	99	99	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Primorskaya **Country: Russia**

Table 3.45 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	39.9	38.6	107	19.5	31.7	21.8	8.2	40.4	39.9	8.9	40.1	4.40	4.00	11.3
Feb	19.8	18.4	42.5	18.1	20.2	22.3	3.3	21.5	21.0	6.6	3.6	5.44	1.54	17.6
Mar	76.0	73.6	54.9	28.3	71.0	39.2	13.1	57.2	56.3	11.9	1.3	5.87	3.63	23.9
Apr	67.2	64.4	24.0	50.0	30.5	45.9	13.7	56.1	55.1	13.8	1.9	5.71	3.20	59.4
May	42.2	41.2	17.8	17.1	35.6	16.7	7.5	24.7	24.4	5.1	6.9	5.16	1.93	129.2
June	81.1	77.6	26.2	50.3	125	58.3	22.6	29.5	28.2	11.3	9.5	5.02	4.22	29.9
July	15.8	15.4	12.5	12.8	36.7	8.0	2.7	4.9	4.7	1.8	4.4	5.36	1.02	173.8
Aug	24.1	23.4	11.0	12.5	31.8	11.2	3.5	9.7	9.5	3.8	8.4	5.08	1.35	156.1
Sept	61.0	56.2	9.3	52.7	40.7	79.9	10.4	28.2	26.4	14.1	4.5	5.35	2.79	14.5
Oct	51.0	49.1	22.7	24.7	53.9	30.5	9.9	17.6	16.9	5.2	14.7	4.83	2.43	72.0
Nov	57.1	55.5	53.1	26.0	46.0	27.1	7.1	40.5	39.9	7.7	31.2	4.51	3.59	43.1
Dec	27.3	25.1	46.2	55.8	41.6	37.0	22.3	39.5	38.7	9.7	2.0	5.70	2.56	6.3
Annual	**38.2**	**36.9**	**21.6**	**21.7**	**41.6**	**21.7**	**7.1**	**21.1**	**20.7**	**5.7**	**8.7**	**5.06**	**2.03**	**737.1**
Max.	242	236	148	384	312	452	79.3	246	241	56.3	69.2	6.95	12.1	
Min.	<1.0	<1.0	<1.0	5.9	3.3	2.2	<1.0	<0.2	<0.2	<0.4	0.1	4.16	0.29	

Table 3.45 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.45	0.44	1.21	0.22	0.36	0.25	0.09	0.46	0.45	0.10	0.45
Feb	0.35	0.32	0.75	0.32	0.36	0.39	0.06	0.38	0.37	0.12	0.06
Mar	1.82	1.76	1.31	0.68	1.70	0.94	0.31	1.37	1.35	0.28	0.03
Apr	3.99	3.83	1.42	2.97	1.81	2.73	0.81	3.33	3.27	0.82	0.12
May	5.46	5.33	2.29	2.21	4.61	2.16	0.96	3.20	3.15	0.66	0.89
June	2.43	2.32	0.78	1.50	3.75	1.74	0.68	0.88	0.84	0.34	0.28
July	2.74	2.67	2.17	2.23	6.38	1.39	0.47	0.85	0.82	0.32	0.76
Aug	3.76	3.65	1.72	1.94	4.97	1.75	0.55	1.52	1.48	0.59	1.31
Sept	0.88	0.81	0.14	0.76	0.59	1.16	0.15	0.41	0.38	0.20	0.06
Oct	3.67	3.54	1.64	1.78	3.88	2.19	0.71	1.26	1.22	0.38	1.06
Nov	2.46	2.39	2.29	1.12	1.98	1.17	0.31	1.75	1.72	0.33	1.35
Dec	0.17	0.16	0.29	0.35	0.26	0.23	0.14	0.25	0.24	0.06	0.01
Annual	**28.2**	**27.2**	**15.9**	**16.0**	**30.7**	**16.0**	**5.21**	**15.6**	**15.2**	**4.18**	**6.39**

Table 3.45 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	95	95	95	95	95	95	95	95	95	95	100	100	95	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	98	98	98	98	98	98	98	98	98	98	100	100	98	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	95	95	95	95	95	95	95	95	95	95	98	98	95	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	75	75	75	75	75	75	75	75	75	75	100	100	75	100
Annual	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**99**	**100**	**100**	**99**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Bangkok **Country: Thailand**

Table 3.46 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	105	97.9	248	153	103	112	24.9	352	350	29.3	34.7	4.46	5.48	14.2
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Mar	44.4	42.8	38.4	36.4	74.8	27.0	3.2	14.9	14.4	5.0	3.2	5.49	2.52	68.3
Apr	52.4	47.9	39.1	46.7	44.0	73.3	8.8	79.8	78.2	24.5	45.9	4.34	5.29	131.5
May	9.4	9.0	19.1	10.0	48.0	8.7	1.4	14.1	13.9	2.5	14.0	4.85	1.57	215.6
June	6.5	6.0	9.0	8.5	28.3	8.0	1.0	7.3	7.1	2.0	2.8	5.55	0.65	180.8
July	10.4	10.0	15.1	6.5	23.6	5.7	1.0	9.7	9.6	1.7	8.3	5.08	0.96	317.3
Aug	15.6	14.6	17.5	16.4	44.3	15.4	2.2	14.3	13.9	3.4	2.3	5.64	1.11	130.9
Sept	14.4	13.9	11.8	8.4	34.3	8.2	1.3	10.5	10.3	2.1	6.9	5.16	1.05	353.4
Oct	24.2	24.0	28.6	4.9	66.6	3.6	1.9	13.5	13.5	1.4	9.0	5.05	1.66	312.8
Nov	23.7	23.5	40.8	3.8	39.5	3.0	1.1	15.2	15.1	1.8	24.0	4.62	2.13	168.4
Dec	19.3	19.1	19.2	3.6	52.4	3.0	1.9	4.5	4.5	0.9	24.4	4.61	1.86	113.2
Annual	**19.5**	**18.7**	**23.2**	**12.3**	**43.4**	**12.8**	**2.2**	**18.6**	**18.4**	**3.8**	**12.7**	**4.89**	**1.66**	**2006.4**
Max.	150	129	279	204	190	351	37.6	409	407	118	117	7.76	13.8	
Min.	<1.0	<1.0	2.7	1.4	8.9	<1.0	<1.0	<0.2	<0.2	0.4	<0.1	3.93	0.27	

Table 3.46 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	1.49	1.39	3.52	2.18	1.46	1.58	0.35	5.00	4.97	0.42	0.49
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	3.03	2.92	2.62	2.48	5.11	1.84	0.22	1.02	0.98	0.34	0.22
Apr	6.89	6.30	5.15	6.15	5.78	9.64	1.16	10.5	10.3	3.22	6.03
May	2.02	1.93	4.12	2.15	10.3	1.88	0.30	3.03	2.99	0.53	3.02
June	1.18	1.09	1.64	1.54	5.12	1.45	0.18	1.31	1.28	0.36	0.51
July	3.29	3.18	4.78	2.06	7.48	1.81	0.33	3.07	3.03	0.53	2.64
Aug	2.04	1.92	2.29	2.15	5.80	2.02	0.29	1.87	1.82	0.44	0.30
Sept	5.09	4.92	4.18	2.97	12.1	2.88	0.45	3.71	3.64	0.73	2.44
Oct	7.57	7.50	8.94	1.52	20.8	1.12	0.60	4.23	4.21	0.44	2.81
Nov	4.00	3.97	6.87	0.64	6.66	0.50	0.19	2.56	2.55	0.30	4.05
Dec	2.18	2.16	2.17	0.40	5.93	0.34	0.21	0.51	0.51	0.11	2.76
Annual	**39.1**	**37.6**	**46.6**	**24.7**	**87.1**	**25.6**	**4.34**	**37.4**	**36.8**	**7.58**	**25.6**

Table 3.46 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	100	100	100	100	100	100	100	100	100	100	85	85	85	100
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Mar	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	99	99	99	99	99	99	99	99	99	99	99	99	99	100
June	98	98	98	98	98	98	98	98	98	98	98	98	98	100
July	86	86	86	86	86	86	86	86	86	86	86	86	86	100
Aug	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Sept	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Oct	93	93	93	93	93	93	93	93	93	93	93	93	93	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Samutprakarn **Country: Thailand**

Table 3.47 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	80.8	74.1	100	112	169	112	28.2	61.6	59.2	18.3	12.8	4.89	5.50	10.6
Feb	67.9	56.5	85.0	153	185	189	23.8	37.2	33.1	22.6	0.7	6.16	5.45	5.9
Mar	84.1	77.6	58.1	90.3	183	108	13.0	36.4	34.1	13.6	3.2	5.49	4.48	13.4
Apr	9.9	9.2	13.3	9.3	24.8	11.2	4.2	4.5	4.3	1.4	0.7	6.18	0.67	215.4
May	18.3	17.2	16.8	15.4	44.0	17.9	3.3	10.3	9.9	2.5	1.6	5.79	1.24	198.9
June	21.0	19.1	17.5	36.9	36.2	31.6	3.6	14.8	14.1	4.6	2.2	5.67	1.38	57.4
July	14.6	12.8	8.6	17.1	23.6	29.0	4.3	11.4	10.8	3.7	2.8	5.55	0.95	163.5
Aug	33.9	32.2	14.1	30.0	43.2	29.0	4.3	18.7	18.0	5.2	0.5	6.34	1.78	67.0
Sept	14.9	13.8	12.8	23.6	28.7	17.8	3.7	8.3	8.0	3.5	5.6	5.25	1.07	399.2
Oct	28.6	28.1	32.4	8.7	54.1	8.6	3.1	10.0	9.8	3.8	7.5	5.12	1.78	252.1
Nov	20.7	19.2	18.6	19.4	36.4	24.8	11.2	7.4	6.9	3.6	0.5	6.29	1.69	208.9
Dec	11.8	11.0	18.0	19.5	46.5	13.5	5.1	8.3	8.0	2.4	0.3	6.48	0.93	32.8
Annual	**19.1**	**17.9**	**17.9**	**19.0**	**37.4**	**19.8**	**4.9**	**9.7**	**9.3**	**3.4**	**3.4**	**5.47**	**1.30**	**1625.1**
Max.	112	109	138	153	216	189	54.0	86.8	85.5	22.6	38.9	7.68	6.63	
Min.	3.4	2.3	2.4	2.3	1.7	3.0	<1.0	1.7	1.5	0.4	<0.1	4.41	0.44	

Table 3.47 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.86	0.79	1.06	1.19	1.79	1.18	0.30	0.65	0.63	0.19	0.14
Feb	0.40	0.33	0.50	0.90	1.09	1.12	0.14	0.22	0.20	0.13	<0.01
Mar	1.13	1.04	0.78	1.21	2.46	1.45	0.17	0.49	0.46	0.18	0.04
Apr	2.12	1.98	2.86	1.99	5.33	2.42	0.91	0.97	0.92	0.30	0.14
May	3.63	3.42	3.34	3.06	8.75	3.56	0.65	2.05	1.98	0.49	0.32
June	1.20	1.09	1.00	2.12	2.08	1.81	0.21	0.85	0.81	0.26	0.12
July	2.38	2.09	1.40	2.80	3.85	4.75	0.71	1.87	1.77	0.60	0.46
Aug	2.27	2.15	0.95	2.01	2.90	1.94	0.29	1.25	1.21	0.35	0.03
Sept	5.95	5.52	5.09	9.44	11.5	7.11	1.49	3.33	3.18	1.38	2.24
Oct	7.21	7.08	8.18	2.19	13.6	2.17	0.78	2.51	2.46	0.95	1.90
Nov	4.32	4.01	3.88	4.04	7.60	5.18	2.33	1.55	1.44	0.75	0.11
Dec	0.39	0.36	0.59	0.64	1.53	0.44	0.17	0.27	0.26	0.08	0.01
Annual	**31.1**	**29.1**	**29.1**	**30.9**	**60.8**	**32.2**	**7.99**	**15.7**	**15.0**	**5.57**	**5.55**

Table 3.47 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	92	92	92	92	92	92	92	92	92	92	92	92	92	100
Feb	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mar	30	30	30	30	30	30	30	30	30	30	30	30	30	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	92	92	92	92	92	92	92	92	92	92	92	92	92	100
June	97	97	97	97	97	97	97	97	97	97	97	97	97	100
July	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Aug	95	95	95	95	95	95	95	95	95	95	95	95	95	100
Sept	98	98	98	98	98	98	98	98	98	98	98	98	98	100
Oct	95	95	95	95	95	95	95	95	95	95	95	95	95	100
Nov	90	90	90	90	90	90	90	90	90	90	90	90	90	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**95**	**95**	**95**	**95**	**95**	**95**	**95**	**95**	**95**	**95**	**95**	**95**	**95**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Patumthani **Country: Thailand**

Table 3.48 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Mar	33.8	32.4	54.5	27.3	74.3	23.3	3.6	14.7	14.2	4.3	35.1	4.46	3.41	35.3
Apr	18.8	18.3	33.5	8.5	41.8	8.0	2.2	8.7	8.6	1.4	33.1	4.48	2.44	178.7
May	10.2	9.8	22.5	6.5	33.5	6.2	1.0	10.1	10.0	1.5	3.9	5.41	0.90	207.4
June	11.7	11.2	10.8	10.8	28.9	9.1	<1.0	9.1	8.9	1.7	2.4	5.63	0.85	123.2
July	11.1	10.5	8.4	10.8	32.7	9.9	1.0	10.6	10.3	1.7	1.6	5.79	0.88	62.1
Aug	20.8	20.3	27.0	11.0	46.0	8.9	1.7	15.0	14.8	2.2	11.3	4.95	1.67	99.6
Sept	10.6	10.3	11.3	3.7	19.3	3.9	<1.0	5.6	5.5	0.8	9.7	5.01	0.91	373.4
Oct	11.8	11.5	23.5	5.2	36.3	4.9	1.5	9.7	9.6	0.9	18.1	4.74	1.64	97.7
Nov	8.6	8.5	12.8	2.3	18.5	2.2	<1.0	2.9	2.8	<0.4	17.1	4.77	1.11	88.0
Dec	5.7	5.5	6.9	3.4	20.6	2.8	1.6	5.2	5.1	1.0	4.0	5.40	0.64	2.8
Annual	**13.2**	**12.8**	**19.6**	**7.1**	**31.2**	**6.6**	**1.2**	**8.5**	**8.3**	**1.3**	**12.9**	**4.89**	**1.31**	**1268.2**
Max.	78.0	70.3	130	144	198	128	10.5	54.8	53.3	17.7	85.1	6.45	6.37	
Min.	<1.0	<1.0	1.5	<1.0	3.9	<1.0	<1.0	0.7	0.6	<0.4	0.4	4.07	0.36	

Table 3.48 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	1.19	1.14	1.92	0.96	2.62	0.82	0.13	0.52	0.50	0.15	1.24
Apr	3.36	3.27	5.99	1.52	7.47	1.43	0.40	1.56	1.53	0.25	5.91
May	2.12	2.04	4.66	1.35	6.94	1.29	0.21	2.09	2.06	0.31	0.81
June	1.44	1.37	1.34	1.33	3.56	1.12	0.10	1.12	1.09	0.21	0.29
July	0.69	0.65	0.52	0.67	2.03	0.62	0.06	0.66	0.64	0.11	0.10
Aug	2.07	2.02	2.69	1.09	4.58	0.88	0.17	1.49	1.48	0.22	1.13
Sept	3.95	3.86	4.23	1.38	7.19	1.47	0.22	2.10	2.07	0.29	3.63
Oct	1.15	1.12	2.30	0.51	3.54	0.48	0.14	0.95	0.94	0.09	1.77
Nov	0.76	0.74	1.13	0.21	1.63	0.19	0.08	0.25	0.25	0.04	1.51
Dec	0.02	0.02	0.02	<0.01	0.06	<0.01	<0.01	0.01	0.01	<0.01	0.01
Annual	**16.7**	**16.2**	**24.8**	**9.04**	**39.6**	**8.32**	**1.52**	**10.8**	**10.6**	**1.66**	**16.4**

Table 3.48 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Khanchanaburi **Country: Thailand**

Table 3.49 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	*	*	*	*	*	*	*	*	*	*	*	*	*	4.0
Mar	*	*	*	*	*	*	*	*	*	*	*	*	*	60.6
Apr	*	*	*	*	*	*	*	*	*	*	*	*	*	56.9
May	3.8	3.4	7.6	6.4	20.7	6.2	2.1	3.9	3.8	1.2	2.0	5.70	0.38	198.9
June	3.9	3.4	2.8	10.4	8.1	8.8	<1.0	2.6	2.5	1.5	7.1	5.15	0.44	326.0
July	2.1	1.7	2.0	9.1	3.6	8.2	<1.0	2.2	2.1	1.3	1.0	6.01	0.30	605.4
Aug	4.0	3.5	3.0	10.1	5.0	7.8	<1.0	4.4	4.3	1.4	1.1	5.94	0.33	353.9
Sept	1.3	1.2	1.4	1.8	1.9	1.5	<1.0	0.6	0.5	<0.4	3.3	5.48	0.19	306.0
Oct	2.9	2.9	4.7	<1.0	6.1	<1.0	<1.0	0.9	0.9	0.4	4.2	5.37	0.35	81.9
Nov	3.4	3.2	6.8	1.5	14.5	3.8	1.1	2.6	2.6	0.6	6.8	5.16	0.27	40.8
Dec	*	*	*	*	*	*	*	*	*	*	*	*	*	8.9
Annual	**2.8**	**2.4**	**2.5**	**7.8**	**5.0**	**6.7**	**<1.0**	**2.5**	**2.3**	**1.1**	**2.9**	**5.54**	**0.32**	**2043.3**
Max.	40.0	39.7	23.2	54.7	58.2	41.8	4.1	28.7	28.0	6.6	32.4	7.41	2.46	
Min.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.4	<0.1	4.49	0.09	

Table 3.49 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	*	*	*	*	*	*	*	*	*	*	*
Mar	*	*	*	*	*	*	*	*	*	*	*
Apr	*	*	*	*	*	*	*	*	*	*	*
May	0.75	0.68	1.51	1.27	4.11	1.23	0.41	0.78	0.75	0.25	0.40
June	1.28	1.11	0.92	3.38	2.64	2.87	0.28	0.86	0.80	0.49	2.32
July	1.30	1.00	1.18	5.52	2.20	4.97	0.49	1.35	1.25	0.79	0.60
Aug	1.40	1.23	1.06	3.56	1.76	2.78	0.22	1.57	1.51	0.48	0.40
Sept	0.41	0.38	0.42	0.55	0.57	0.46	0.09	0.18	0.17	0.08	1.01
Oct	0.24	0.23	0.39	0.08	0.50	0.07	0.04	0.08	0.07	0.04	0.35
Nov	0.14	0.13	0.28	0.06	0.59	0.15	0.04	0.11	0.10	0.02	0.28
Dec	*	*	*	*	*	*	*	*	*	*	*
Annual	**5.72**	**4.89**	**5.11**	**15.9**	**10.1**	**13.7**	**1.40**	**5.01**	**4.72**	**2.30**	**5.86**

Table 3.49 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	100
May	6	6	6	6	6	6	6	6	6	6	6	6	6	100
June	98	98	98	98	98	98	98	98	98	98	98	98	98	100
July	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Aug	96	96	96	96	96	96	96	96	96	96	96	96	96	100
Sept	92	92	92	92	92	92	92	92	92	92	92	92	92	100
Oct	79	79	79	79	79	79	79	79	79	79	79	79	79	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Annual	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**81**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Chiang Mai (Mae Hia) **Country: Thailand**

Table 3.50 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1} or mm year^{-1}
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0
Mar	54.4	53.4	87.7	42.4	188	16.0	19.8	45.2	44.8	9.3	51.4	4.29	5.98	20.6
Apr	27.4	27.2	45.6	12.3	96.8	3.9	5.3	5.1	5.0	0.9	50.4	4.30	4.21	35.1
May	9.2	9.2	16.6	7.9	29.6	<1.0	<1.0	5.7	5.7	0.8	17.3	4.76	1.37	106.8
June	4.0	4.0	5.7	5.0	18.1	1.3	<1.0	3.3	3.3	0.6	1.1	5.95	0.51	166.9
July	4.1	4.1	3.9	2.8	13.5	<1.0	<1.0	2.3	2.3	1.7	0.9	6.07	0.38	181.0
Aug	2.7	2.7	4.2	3.6	16.1	<1.0	<1.0	3.8	3.8	1.5	0.7	6.18	0.46	161.9
Sept	1.3	1.3	4.1	2.1	10.1	<1.0	<1.0	1.9	1.9	0.6	4.2	5.38	0.53	499.9
Oct	10.1	10.0	6.9	2.7	21.8	1.6	<1.0	3.4	3.3	0.7	4.5	5.35	0.91	214.5
Nov	3.6	3.5	8.4	2.8	19.6	1.1	1.9	8.0	8.0	0.4	0.4	6.35	0.53	24.4
Dec	32.0	31.8	37.8	13.5	73.2	4.3	4.4	10.5	10.4	1.6	16.6	4.78	2.31	18.7
Annual	**5.9**	**5.8**	**8.4**	**4.2**	**21.0**	**<1.0**	**<1.0**	**3.8**	**3.7**	**1.0**	**5.9**	**5.23**	**0.81**	**1429.8**
Max.	120	119	115	107	301	309	30.2	61.2	60.8	16.1	66.1	6.87	7.30	
Min.	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<0.2	<0.2	<0.4	0.1	4.18	0.19	

Table 3.50 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1} or mmol m^{-2}year^{-1}

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	1.12	1.10	1.81	0.87	3.86	0.33	0.41	0.93	0.92	0.19	1.06
Apr	0.96	0.96	1.60	0.43	3.40	0.14	0.18	0.18	0.18	0.03	1.77
May	0.99	0.98	1.77	0.85	3.16	0.04	0.00	0.61	0.61	0.08	1.85
June	0.67	0.66	0.95	0.83	3.02	0.22	0.02	0.55	0.55	0.09	0.19
July	0.74	0.74	0.70	0.50	2.45	0.00	0.04	0.42	0.42	0.31	0.15
Aug	0.44	0.44	0.68	0.59	2.61	0.12	0.07	0.62	0.62	0.25	0.11
Sept	0.67	0.67	2.05	1.03	5.02	0.00	0.05	0.93	0.93	0.29	2.09
Oct	2.16	2.14	1.49	0.59	4.68	0.35	0.13	0.73	0.72	0.15	0.96
Nov	0.09	0.09	0.21	0.07	0.48	0.03	0.05	0.20	0.20	0.01	0.01
Dec	0.60	0.59	0.71	0.25	1.37	0.08	0.08	0.20	0.19	0.03	0.31
Annual	**8.43**	**8.36**	**12.0**	**6.01**	**30.1**	**1.31**	**1.02**	**5.36**	**5.33**	**1.43**	**8.50**

Table 3.50 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	99	100
May	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June	100	100	100	100	100	100	100	100	100	100	100	100	99	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m ^{2} because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Hanoi **Country: Viet Nam**

Table 3.51 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	358	351	213	201	761	116	28.3	75.3	72.8	23.2	0.4	6.37	18.1	10.7
Feb	255	252	124	84.2	352	38.6	14.6	126	125	24.1	0.3	6.50	10.6	35.5
Mar	616	610	615	149	1410	103	82.5	161	158	70.6	7.2	5.14	31.1	27.0
Apr	541	529	437	270	884	204	87.3	233	228	103	1.3	5.87	26.3	30.3
May	*	*	*	*	*	*	*	*	*	*	*	*	*	186.6
June	4.3	2.4	1.6	5.7	25.7	32.0	<1.0	11.0	10.3	7.1	<0.1	7.13	1.09	314.9
July	34.6	33.9	13.2	16.9	77.7	11.8	4.2	30.0	29.8	7.8	<0.1	7.04	2.39	209.1
Aug	37.9	37.7	18.2	14.6	86.5	3.9	3.9	18.4	18.3	2.9	0.4	6.43	1.94	388.1
Sept	15.0	14.0	5.7	32.0	18.3	16.6	<1.0	9.8	9.4	6.3	1.1	5.94	0.96	434.7
Oct	98.6	96.1	65.8	45.9	126	40.3	12.5	49.5	48.7	20.4	2.3	5.64	4.55	17.8
Nov	52.3	51.3	20.4	15.8	57.2	16.0	4.8	35.5	35.1	13.1	0.3	6.51	2.40	81.9
Dec	147	146	72.7	38.4	190	24.8	12.4	89.6	89.1	20.5	0.7	6.16	6.46	24.4
Annual	**51.4**	**50.4**	**30.8**	**27.2**	**98.8**	**17.7**	**5.2**	**26.1**	**25.7**	**8.6**	**0.7**	**6.15**	**2.75**	**1761.0**
Max.	1030	1020	952	287	1950	268	162	340	334	162	12.4	7.29	48.3	
Min.	1.8	1.3	1.4	4.4	8.5	<1.0	<1.0	5.9	5.6	<0.4	<0.1	4.91	0.68	

Table 3.51 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	3.83	3.75	2.28	2.15	8.14	1.24	0.30	0.81	0.78	0.25	<0.01
Feb	9.04	8.95	4.41	2.99	12.5	1.37	0.52	4.47	4.44	0.86	0.01
Mar	16.6	16.5	16.6	4.02	38.1	2.79	2.23	4.34	4.28	1.91	0.19
Apr	16.4	16.0	13.2	8.18	26.8	6.17	2.65	7.05	6.92	3.13	0.04
May	*	*	*	*	*	*	*	*	*	*	*
June	1.36	0.75	0.50	1.78	8.10	10.1	0.16	3.47	3.25	2.23	0.02
July	7.23	7.08	2.77	3.53	16.2	2.46	0.89	6.28	6.23	1.63	0.02
Aug	14.7	14.6	7.06	5.67	33.6	1.51	1.51	7.13	7.10	1.13	0.14
Sept	6.52	6.09	2.47	13.9	7.97	7.21	0.35	4.25	4.09	2.74	0.50
Oct	1.75	1.71	1.17	0.82	2.25	0.72	0.22	0.88	0.87	0.36	0.04
Nov	4.28	4.20	1.67	1.30	4.68	1.31	0.39	2.90	2.88	1.08	0.03
Dec	3.59	3.56	1.77	0.94	4.63	0.60	0.30	2.19	2.17	0.50	0.02
Annual	**90.6**	**88.7**	**54.3**	**47.9**	**174**	**31.2**	**9.19**	**45.9**	**45.2**	**15.2**	**1.25**

Table 3.51 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Feb	98	98	98	98	98	98	98	98	98	98	98	98	98	100
Mar	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Apr	14	14	14	14	14	14	14	14	14	14	14	14	14	100
May	0	0	0	0	0	0	0	0	0	0	0	0	0	100
June	42	42	42	42	42	42	42	42	42	42	42	42	42	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	96	96	96	96	96	96	96	96	96	96	96	96	96	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Annual	**77**	**77**	**77**	**77**	**77**	**77**	**77**	**77**	**77**	**77**	**77**	**77**	**77**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Site: Hoa Binh **Country: Viet Nam**

Table 3.52 Volume-weighted mean concentrations/ Precipitation (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$ or mm $year^{-1}$
Jan	128	126	65.6	19.0	147	28.1	8.5	31.1	30.5	12.5	75.9	4.12	7.44	8.9
Feb	98.9	97.2	73.4	31.2	168	28.1	10.7	41.9	41.3	1.1	25.0	4.60	5.37	9.8
Mar	99.7	99.1	149	25.3	282	9.8	9.5	36.2	36.0	11.4	2.4	5.62	5.81	28.0
Apr	59.2	58.7	66.2	12.8	110	7.6	8.2	23.6	23.4	12.2	9.8	5.01	3.34	29.0
May	34.2	32.5	40.6	29.1	58.1	27.8	18.3	19.4	18.8	6.2	2.2	5.66	2.32	180.5
June	13.5	13.0	13.3	11.5	24.7	9.7	4.7	16.3	16.1	5.8	0.2	6.61	1.09	337.8
July	8.5	8.4	5.7	6.1	17.7	1.0	<1.0	11.2	11.2	2.9	1.5	5.83	0.67	543.8
Aug	9.0	8.9	5.5	7.0	19.5	2.6	1.1	15.3	15.2	2.1	0.2	6.63	0.75	361.9
Sept	12.5	12.0	4.5	18.3	14.3	7.8	<1.0	9.9	9.8	3.6	1.7	5.76	0.73	620.5
Oct	98.4	96.3	43.8	44.3	132	35.8	28.2	37.0	36.2	15.2	4.0	5.39	4.64	58.8
Nov	14.3	14.2	9.4	10.5	27.2	2.0	3.3	12.5	12.4	2.5	0.9	6.07	0.93	76.7
Dec	79.9	79.6	32.1	16.1	99.4	4.4	11.6	26.3	26.2	6.0	30.3	4.52	3.98	23.3
Annual	**17.8**	**17.4**	**12.9**	**13.5**	**30.1**	**7.5**	**3.6**	**14.3**	**14.1**	**4.2**	**2.0**	**5.69**	**1.15**	**2279.0**
Max.	307	306	328	90.1	706	68.2	69.4	123	123	38.7	75.9	6.79	15.7	
Min.	4.8	4.7	3.0	1.9	9.0	<1.0	<1.0	7.4	7.3	0.4	0.2	4.12	0.49	

Table 3.52 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$ or mmol $m^{-2}year^{-1}$

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	1.14	1.12	0.58	0.17	1.31	0.25	0.08	0.28	0.27	0.11	0.68
Feb	0.97	0.95	0.72	0.31	1.65	0.27	0.10	0.41	0.40	0.01	0.24
Mar	2.79	2.77	4.16	0.71	7.89	0.27	0.27	1.01	1.01	0.32	0.07
Apr	1.72	1.70	1.92	0.37	3.20	0.22	0.24	0.68	0.68	0.35	0.28
May	6.16	5.86	7.33	5.25	10.5	5.02	3.30	3.50	3.39	1.12	0.39
June	4.57	4.38	4.50	3.88	8.34	3.28	1.60	5.50	5.42	1.98	0.08
July	4.61	4.58	3.09	3.34	9.61	0.56	0.46	6.08	6.07	1.58	0.81
Aug	3.26	3.21	1.99	2.52	7.07	0.95	0.39	5.53	5.51	0.78	0.09
Sept	7.76	7.47	2.77	11.3	8.85	4.82	0.42	6.16	6.06	2.25	1.08
Oct	5.79	5.66	2.58	2.60	7.78	2.11	1.66	2.17	2.13	0.89	0.24
Nov	1.10	1.09	0.72	0.80	2.09	0.16	0.25	0.96	0.95	0.19	0.07
Dec	1.86	1.85	0.75	0.38	2.32	0.10	0.27	0.61	0.61	0.14	0.71
Annual	**40.6**	**39.6**	**29.5**	**30.9**	**68.5**	**17.0**	**8.29**	**32.6**	**32.2**	**9.59**	**4.63**

Table 3.52 Data completeness (Monthly)

2005	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	98	98	98	98	98	98	98	98	98	98	98	98	98	100
Feb	94	94	94	94	94	94	94	94	94	94	94	94	94	100
Mar	94	94	94	94	94	94	94	94	94	94	94	94	94	100
Apr	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May	73	73	73	73	73	73	73	73	73	73	73	73	73	100
June	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Aug	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sept	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Oct	99	99	99	99	99	99	99	99	99	99	99	99	99	100
Nov	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Dec	90	90	90	90	90	90	90	90	90	90	90	90	90	100
Annual	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**98**	**100**

[--] for averages and completeness: Precipitation was 0mm.

[0.00] for deposition: The deposition was 0 mmol/m^2 because precipitation was 0 mm.

[*] for averages and deposition: The constituent was not measured although precipitation was not 0 mm. (%TP=0%)

[**] for all: Precipitation was not measured. (%PCL=0%)

Data in hatched column for averages and deposition: Rejected monthly (annual) value by the criteria of EANET (%PCL<80% or %TP<80%)

Table 3.53 Annual precipitation and volume-weighted mean concentrations in 2005

Country	Name of sites	Code	Precip.	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC
			mm y^{-1}	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m
Cambodia	Phnom Penh	*KH 11052*	1307.8	5.7	***	***	6.2	16.3	***	***	***	***	***	0.5	6.32	0.81
China	Guanyinqiao	*CN 11001*	1077.2	186	185	41.3	18.3	157	8.3	12.4	156	156	12.7	11.2	4.95	6.70
	Jinyunshan	*CN 11003*	1461.4	102	101	34.4	15.5	105	15.3	11.4	57.7	57.4	3.2	23.7	4.62	4.23
	Shizhan	*CN 11004*	508.8	126	125	12.1	34.4	77.2	16.1	15.4	107	107	13.2	3.9	5.41	5.18
	Weishuiyuan	*CN 11005*	438.9	107	106	11.4	36.5	64.4	20.5	12.6	91.0	90.6	10.9	7.0	5.15	4.61
	Jiwozi	*CN 11007*	361.6	118	115	9.3	38.4	37.8	59.6	27.7	129	128	30.9	0.6	6.20	5.82
	Hongwen	*CN 11008*	1701.6	47.2	44.1	37.3	66.0	35.4	51.4	5.1	37.4	36.3	9.0	19.9	4.70	2.63
	Xiaoping	*CN 11009*	2921.3	20.2	19.6	18.1	11.9	32.2	9.7	2.8	10.6	10.4	1.1	16.5	4.78	1.91
	Xiang Zhou	*CN 11010*	1179.1	23.8	21.5	17.2	65.8	103	44.1	2.7	7.3	6.5	6.9	27.3	4.56	2.41
	Zhuxian Cavern	*CN 11011*	1062.0	29.5	26.1	21.5	52.6	26.1	60.9	5.6	17.0	15.7	9.1	24.4	4.61	2.49
Indonesia	Jakarta	*ID 11012*	2125.3	40.3	38.9	53.9	41.6	12.4	23.2	5.7	17.4	16.9	3.6	49.1	4.31	3.37
	Serpong	*ID 11013*	824.2	33.3	32.3	39.4	19.8	44.6	16.0	6.2	12.0	11.7	3.7	25.6	4.59	2.63
	Kototabang	*ID 11014*	2193.9	5.5	5.2	1.6	7.1	9.5	5.7	4.4	3.4	3.3	0.9	20.9	4.68	0.84
	Bandung	*ID 11015*	1749.3	35.3	34.6	19.2	14.6	35.8	11.9	4.7	15.9	15.4	2.5	9.3	5.03	1.75
Japan	Rishiri	*JP 11016*	961.0	27.9	15.7	12.6	233	18.9	203	5.1	7.6	3.3	23.3	18.4	4.74	4.46
	Ochiishi	*JP 11050*	822.2	22.6	10.1	9.3	232	7.5	208	5.3	9.0	4.4	22.2	14.6	4.84	4.01
	Tappi	*JP 11017*	1240.2	29.6	16.6	18.2	250	15.8	218	5.0	10.7	6.1	24.2	24.9	4.60	4.18
	Sado-seki	*JP 11019*	1143.0	34.2	16.8	18.6	337	18.3	290	6.6	10.2	3.9	33.0	27.6	4.56	5.05
	Happo	*JP 11021*	2996.6	12.0	11.5	9.5	8.7	10.8	7.0	<1.0	4.1	4.0	1.2	15.9	4.80	1.10
	Ijira	*JP 11022*	2569.4	18.9	18.0	24.1	16.8	20.3	13.6	<1.0	2.8	2.5	1.8	30.9	4.51	2.11
	Oki	*JP 11023*	1313.3	55.7	19.3	21.8	696	15.8	602	15.5	18.6	5.5	69.9	27.4	4.56	11.3
	Banryu	*JP 11024*	1290.3	26.9	21.3	25.5	110	21.8	92.1	3.7	5.9	3.9	10.8	32.7	4.49	3.50
	Yusuhara	*JP 11025*	2321.4	12.1	10.6	9.4	29.9	8.9	25.2	<1.0	2.4	1.8	3.0	22.8	4.64	1.59
	Hedo	*JP 11027*	1779.9	36.0	13.0	11.0	488	13.3	449	11.3	14.1	4.4	47.3	14.7	4.83	7.10
	Ogasawara	*JP 11018*	2050.3	13.1	7.3	3.2	115	3.5	97.3	2.3	2.6	0.6	10.7	15.4	4.81	2.33
Lao PDR	Vientian	*LA 11051*	665.5	***	***	***	***	***	***	***	***	***	***	0.5	6.32	1.01
Malaysia	Petaling Jaya	*MY 11029*	2847.5	23.3	22.9	35.9	8.8	20.1	6.6	2.5	6.1	5.9	0.8	43.1	4.37	2.12
	Tanah Rata	*MY 11030*	2886.1	5.6	5.2	6.0	2.6	2.8	6.6	<1.0	1.8	1.7	0.5	14.3	4.84	0.68
	Danum Valley	*MY 11053*	1256.3	4.4	4.1	2.5	6.0	2.0	4.5	1.2	1.4	1.3	<0.4	10.5	4.98	0.56
Mongolia	Ulaanbaatar	*MN 11031*	150.3	26.7	26.3	18.8	7.8	54.4	7.2	4.3	49.8	49.6	5.2	1.0	5.99	1.87
	Terelj	*MN 11032*	245.8	17.5	16.8	11.8	9.9	36.1	11.5	6.5	13.6	13.3	3.7	5.4	5.26	1.18
Philippines	Metro Manila	*PH 11033*	2376.7	24.0	23.0	21.5	14.2	29.9	15.9	3.9	10.6	10.3	2.5	11.3	4.95	1.66
	Los Banos	*PH 11034*	1643.1	9.9	8.8	9.8	18.1	15.0	17.2	2.2	3.5	3.2	2.3	7.3	5.14	1.01
Republic	Kanghwa	*KR 11035*	811.3	46.8	44.7	45.0	56.1	66.4	33.7	6.5	11.1	10.3	6.2	56.9	4.25	4.14
of Korea	Cheju (Kosan)	*KR 11036*	699.1	34.3	29.2	27.5	105	30.9	84.8	8.6	11.3	9.4	15.0	28.5	4.55	3.43
	Imsil	*KR 11037*	1248.1	22.8	21.5	26.4	44.0	32.4	21.7	48.6	5.0	4.5	1.8	1.0	6.00	1.72
Russia	Mondy	*RU 11038*	286.1	5.4	5.3	5.0	5.9	9.8	1.5	1.0	4.2	4.1	1.0	4.3	5.36	0.49
	Listvyanka	*RU 11039*	451.8	17.3	17.1	11.8	5.4	16.6	3.0	1.1	8.2	8.2	1.6	14.7	4.83	1.19
	Irkutsk	*RU 11040*	441.7	27.8	27.4	16.4	12.4	35.3	6.9	3.4	21.6	21.4	5.1	7.6	5.12	1.66
	Primorskaya	*RU 11041*	737.1	38.2	36.9	21.6	21.7	41.6	21.7	7.1	21.1	20.7	5.7	8.7	5.06	2.03
Thailand	Bangkok	*TH 11042*	2006.4	19.5	18.7	23.2	12.3	43.4	12.8	2.2	18.6	18.4	3.8	12.7	4.89	1.66
	Samutprakarn	*TH 11043*	1625.1	19.1	17.9	17.9	19.0	37.4	19.8	4.9	9.7	9.3	3.4	3.4	5.47	1.30
	Patumthani	*TH 11044*	1268.2	13.2	12.8	19.6	7.1	31.2	6.6	1.2	8.5	8.3	1.3	12.9	4.89	1.31
	Khanchanaburi	*TH 11045*	2043.3	2.8	2.4	2.5	7.8	5.0	6.7	<1.0	2.5	2.3	1.1	2.9	5.54	0.32
	Chiang Mai (Mae Hia)	*TH 11046*	1429.8	5.9	5.8	8.4	4.2	21.0	<1.0	<1.0	3.8	3.7	1.0	5.9	5.23	0.81
Viet Nam	Hanoi	*VN 11047*	1761.0	51.4	50.4	30.8	27.2	98.8	17.7	5.2	26.1	25.7	8.6	0.7	6.15	2.75
	Hoa Binh	*VN 11048*	2279.0	17.8	17.4	12.9	13.5	30.1	7.5	3.6	14.3	14.1	4.2	2.0	5.69	1.15

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

[***] Not measured

Table 3.54 Annual deposition in 2005

Country	Name of sites	Code	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
			mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$
Cambodia	Phnom Penh	*KH 11052*	7.43	***	***	8.12	21.3	***	***	***	***	***	0.63
China	Guanyinqiao	*CN 11001*	200	200	44.5	19.7	169	8.99	13.4	168	168	13.7	12.1
	Jinyunshan	*CN 11003*	149	148	50.2	22.6	154	22.3	16.6	84.3	83.9	4.63	34.7
	Shizhan	*CN 11004*	63.9	63.4	6.16	17.5	39.3	8.18	7.85	54.4	54.3	6.69	1.96
	Weishuiyuan	*CN 11005*	47.1	46.6	5.01	16.0	28.2	9.01	5.52	39.9	39.8	4.77	3.09
	Jiwozi	*CN 11007*	42.8	41.5	3.37	13.9	13.7	21.6	10.0	46.7	46.2	11.2	0.23
	Hongwen	*CN 11008*	80.4	75.1	63.4	112	60.2	87.4	8.65	63.7	61.8	15.4	33.8
	Xiaoping	*CN 11009*	59.0	57.3	52.9	34.9	94.0	28.3	8.06	30.9	30.3	3.35	48.1
	Xiang Zhou	*CN 11010*	28.0	25.3	20.3	77.6	121	52.0	3.13	8.62	7.62	8.10	32.2
	Zhuxian Cavern	*CN 11011*	31.3	27.7	22.8	55.9	27.8	64.7	5.95	18.1	16.7	9.65	25.9
Indonesia	Jakarta	*ID 11012*	85.6	82.7	115	88.4	26.4	49.4	12.2	36.9	35.9	7.72	104
	Serpong	*ID 11013*	27.5	26.7	32.5	16.3	36.8	13.2	5.09	9.89	9.60	3.09	21.1
	Kototabang	*ID 11014*	12.1	11.3	3.46	15.6	20.7	12.5	9.57	7.42	7.15	2.06	46.0
	Bandung	*ID 11015*	61.7	60.5	33.5	25.5	62.6	20.9	8.15	27.7	26.9	4.29	16.3
Japan	Rishiri	*JP 11016*	26.8	15.0	12.1	224	18.1	195	4.89	7.32	3.15	22.4	17.7
	Ochiishi	*JP 11050*	18.6	8.28	7.65	191	6.17	171	4.34	7.37	3.65	18.2	12.0
	Tappi	*JP 11017*	36.8	20.6	22.5	310	19.6	270	6.19	13.3	7.62	30.0	30.9
	Sado-seki	*JP 11019*	39.1	19.2	21.3	385	20.9	332	7.60	11.6	4.46	37.7	31.5
	Happo	*JP 11021*	35.8	34.5	28.6	26.1	32.3	21.1	2.14	12.4	12.0	3.59	47.6
	Ijira	*JP 11022*	48.5	46.3	61.9	43.3	52.1	34.9	2.39	7.25	6.49	4.51	79.4
	Oki	*JP 11023*	73.2	25.3	28.7	914	20.8	791	20.4	24.4	7.24	91.8	36.0
	Banryu	*JP 11024*	34.6	27.5	32.8	142	28.1	119	4.76	7.57	5.02	13.9	42.2
	Yusuhara	*JP 11025*	28.0	24.5	21.8	69.4	20.6	58.5	2.27	5.55	4.28	7.07	52.9
	Hedo	*JP 11027*	64.1	23.1	19.6	869	23.6	800	20.2	25.1	7.81	84.3	26.2
	Ogasawara	*JP 11018*	26.9	15.0	6.58	235	7.10	199	4.68	5.25	1.18	21.8	31.5
Lao PDR	Vientian	*LA 11051*	***	***	***	***	***	***	***	***	***	***	0.32
Malaysia	Petaling Jaya	*MY 11029*	66.4	65.3	102	25.0	57.3	18.9	6.99	17.3	16.9	2.40	123
	Tanah Rata	*MY 11030*	16.1	14.9	17.4	7.61	8.13	19.2	2.57	5.28	4.92	1.42	41.4
	Danum Valley	*MY 11053*	5.53	5.19	3.14	7.54	2.55	5.59	1.47	1.70	1.58	0.41	13.1
Mongolia	Ulaanbaatar	*MN 11031*	4.01	3.95	2.83	1.17	8.18	1.08	0.65	7.49	7.46	0.78	0.15
	Terelj	*MN 11032*	4.29	4.12	2.89	2.44	8.87	2.83	1.59	3.33	3.27	0.90	1.34
Philippines	Metro Manila	*PH 11033*	57.1	54.8	51.1	33.7	71.0	37.9	9.28	25.2	24.4	5.86	26.8
	Los Banos	*PH 11034*	16.2	14.5	16.2	29.7	24.7	28.3	3.62	5.82	5.22	3.84	11.9
Republic	Kanghwa	*KR 11035*	37.9	36.3	36.5	45.5	53.8	27.3	5.26	8.98	8.39	5.03	46.1
of Korea	Cheju (Kosan)	*KR 11036*	24.0	20.4	19.2	73.1	21.6	59.3	6.02	7.89	6.61	10.5	19.9
	Imsil	*KR 11037*	28.4	26.8	32.9	54.9	40.5	27.0	60.6	6.24	5.65	2.27	1.24
Russia	Mondy	*RU 11038*	1.54	1.51	1.44	1.69	2.79	0.44	0.30	1.19	1.18	0.27	1.24
	Listvyanka	*RU 11039*	7.80	7.72	5.34	2.43	7.50	1.36	0.52	3.72	3.69	0.72	6.62
	Irkutsk	*RU 11040*	12.3	12.1	7.25	5.47	15.6	3.04	1.50	9.53	9.46	2.24	3.36
	Primorskaya	*RU 11041*	28.2	27.2	15.9	16.0	30.7	16.0	5.21	15.6	15.2	4.18	6.39
Thailand	Bangkok	*TH 11042*	39.1	37.6	46.6	24.7	87.1	25.6	4.34	37.4	36.8	7.58	25.6
	Samutprakarn	*TH 11043*	31.1	29.1	29.1	30.9	60.8	32.2	7.99	15.7	15.0	5.57	5.55
	Patumthani	*TH 11044*	16.7	16.2	24.8	9.04	39.6	8.32	1.52	10.8	10.6	1.66	16.4
	Khanchanaburi	*TH 11045*	5.72	4.89	5.11	15.9	10.1	13.7	1.40	5.01	4.72	2.30	5.86
	Chiang Mai (Mae Hia)	*TH 11046*	8.43	8.36	12.0	6.01	30.1	1.31	1.02	5.36	5.33	1.43	8.50
Viet Nam	Hanoi	*VN 11047*	90.6	88.7	54.3	47.9	174	31.2	9.19	45.9	45.2	15.2	1.25
	Hoa Binh	*VN 11048*	40.6	39.6	29.5	30.9	68.5	17.0	8.29	32.6	32.2	9.59	4.63

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

[***] Not measured

Table 3.55 Data completeness for annual summaries in 2005 (%PCL, %TP)

Country	Name of sites	Code	Precip.	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC
			%	%	%	%	%	%	%	%	%	%	%	%	%	%
Cambodia	Phnom Penh	*KH 11052*	100	94	0	0	85	93	0	0	0	0	0	100	100	100
China	Guanyinqiao	*CN 11001*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Jinyunshan	*CN 11003*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Shizhan	*CN 11004*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Weishuiyuan	*CN 11005*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Jiwozi	*CN 11007*	100	99	99	96	98	100	100	100	100	100	100	100	100	100
	Hongwen	*CN 11008*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Xiaoping	*CN 11009*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Xiang Zhou	*CN 11010*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Zhuxian Cavern	*CN 11011*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Indonesia	Jakarta	*ID 11012*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Serpong	*ID 11013*	100	97	97	97	97	97	97	97	97	97	97	100	100	100
	Kototabang	*ID 11014*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Bandung	*ID 11015*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Japan	Rishiri	*JP 11016*	100	98	98	98	98	98	98	98	98	98	98	98	98	98
	Ochiishi	*JP 11050*	92	93	93	93	93	89	93	93	93	93	93	92	92	92
	Tappi	*JP 11017*	97	76	76	76	76	76	76	76	76	76	76	74	74	74
	Sado-seki	*JP 11019*	99	87	87	87	87	87	87	87	87	87	87	85	85	85
	Happo	*JP 11021*	98	89	89	89	89	89	89	89	89	89	89	89	89	89
	Ijira	*JP 11022*	94	82	82	82	82	82	82	82	82	82	82	82	82	82
	Oki	*JP 11023*	100	100	100	100	100	100	100	100	100	100	100	99	99	99
	Banryu	*JP 11024*	100	91	91	91	91	91	91	91	91	91	91	91	91	91
	Yusuhara	*JP 11025*	96	91	91	91	91	91	91	91	91	91	91	91	91	91
	Hedo	*JP 11027*	100	100	100	100	100	100	100	100	100	100	100	99	99	99
	Ogasawara	*JP 11018*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Lao PDR	Vientian	*LA 11051*	100	0	0	0	0	0	0	0	0	0	0	100	100	100
Malaysia	Petaling Jaya	*MY 11029*	100	97	97	97	97	97	97	97	97	97	97	89	89	89
	Tanah Rata	*MY 11030*	100	100	100	100	100	100	100	100	100	100	100	97	97	97
	Danum Valley	*MY 11053*	50	54	54	54	54	54	54	54	54	54	54	49	49	49
Mongolia	Ulaanbaatar	*MN 11031*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Terelj	*MN 11032*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Philippines	Metro Manila	*PH 11033*	100	99	99	99	99	99	99	99	99	99	99	99	99	99
	Los Banos	*PH 11034*	100	99	99	99	99	99	99	99	99	99	99	99	99	99
Republic	Kanghwa	*KR 11035*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
of Korea	Cheju (Kosan)	*KR 11036*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Imsil	*KR 11037*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Russia	Mondy	*RU 11038*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Listvyanka	*RU 11039*	100	98	98	98	98	98	99	99	99	99	99	100	100	100
	Irkutsk	*RU 11040*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Primorskaya	*RU 11041*	100	99	99	99	99	99	99	99	99	99	99	100	100	99
Thailand	Bangkok	*TH 11042*	100	96	96	96	96	96	96	96	96	96	96	96	96	96
	Samutprakarn	*TH 11043*	100	95	95	95	95	95	95	95	95	95	95	95	95	95
	Patumthani	*TH 11044*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Khanchanaburi	*TH 11045*	100	81	81	81	81	81	81	81	81	81	81	81	81	81
	Chiang Mai (Mae Hia)	*TH 11046*	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Viet Nam	Hanoi	*VN 11047*	100	77	77	77	77	77	77	77	77	77	77	77	77	77
	Hoa Binh	*VN 11048*	100	98	98	98	98	98	98	98	98	98	98	98	98	98

Data in hatched column: Below the criteria of EANET (%PCL<80% or %TP<80%)

Table 3.56 Results of ion balance and conductivity agreement check in 2005

Country	Name of sites	Code	Sample (N)	R_1 (N)	R_1 (AA)	%	R_2 (N)	R_2 (AA)	%	R_1&R_2 (N)	R_1&R_2 (AA)	%
Cambodia	Phnom Penh	*KH 11052*	33	-	-	-	-	-	-	-	-	-
China	Guanyinqiao	*CN 11001*	116	112	82	73	112	105	94	112	77	69
	Jinyunshan	*CN 11003*	104	103	95	92	103	100	97	103	94	91
	Shizhan	*CN 11004*	40	39	34	87	39	29	74	39	24	62
	Weishuiyuan	*CN 11005*	37	36	31	86	36	30	83	36	25	69
	Jiwozi	*CN 11007*	66	61	31	51	61	41	67	61	17	28
	Hongwen	*CN 11008*	69	68	37	54	68	52	76	68	29	43
	Xiaoping	*CN 11009*	58	57	28	49	57	35	61	57	16	28
	Xiang Zhou	*CN 11010*	40	39	9	23	39	27	69	39	8	21
	Zhuxian Cavern	*CN 11011*	50	49	19	39	49	33	67	49	16	33
Indonesia	Jakarta	*ID 11012*	37	36	10	28	36	24	67	36	8	22
	Serpong	*ID 11013*	54	51	48	94	51	47	92	51	45	88
	Kototabang	*ID 11014*	50	49	7	14	49	13	27	49	3	6
	Bandung	*ID 11015*	92	90	71	79	90	81	90	90	66	73
Japan	Rishiri	*JP 11016*	206	146	146	100	146	146	100	146	146	100
	Ochiishi	*JP 11050*	135	79	79	100	79	79	100	79	79	100
	Tappi	*JP 11017*	97	84	83	99	84	84	100	84	83	99
	Sado-seki	*JP 11019*	194	114	114	100	114	114	100	114	114	100
	Happo	*JP 11021*	217	189	188	99	189	189	100	189	188	99
	Ijira	*JP 11022*	49	44	43	98	44	44	100	44	43	98
	Oki	*JP 11023*	166	128	127	99	128	128	100	128	127	99
	Banryu	*JP 11024*	47	43	43	100	43	42	98	43	42	98
	Yusuhara	*JP 11025*	145	119	110	92	119	118	99	119	110	92
	Hedo	*JP 11027*	164	139	139	100	139	138	99	139	138	99
	Ogasawara	*JP 11018*	162	144	144	100	144	143	99	144	143	99
Lao PDR	Vientian	*LA 11051*	39	-	-	-	-	-	-	-	-	-
Malaysia	Petaling Jaya	*MY 11029*	48	37	32	86	37	34	92	37	29	78
	Tanah Rata	*MY 11030*	48	38	22	58	38	35	92	38	21	55
	Danum Valley	*MY 11053*	23	14	10	71	14	11	79	14	8	57
Mongolia	Ulaanbaatar	*MN 11031*	35	34	3	9	34	30	88	34	3	9
	Terelj	*MN 11032*	47	45	5	11	45	44	98	45	5	11
Philippines	Metro Manila	*PH 11033*	46	45	38	84	45	40	89	45	36	80
	Los Banos	*PH 11034*	45	43	39	91	43	37	86	43	36	84
Republic of Korea	Kanghwa	*KR 11035*	26	25	25	100	25	25	100	25	25	100
	Cheju (Kosan)	*KR 11036*	42	41	41	100	41	41	100	41	41	100
	Imsil	*KR 11037*	37	36	21	58	36	36	100	36	21	58
Russia	Mondy	*RU 11038*	27	26	26	100	26	26	100	26	26	100
	Listvyanka	*RU 11039*	65	56	56	100	56	56	100	56	56	100
	Irkutsk	*RU 11040*	108	101	100	99	101	101	100	101	100	99
	Primorskaya	*RU 11041*	105	84	83	99	84	84	100	84	83	99
Thailand	Bangkok	*TH 11042*	84	78	16	21	78	68	87	78	14	18
	Samutprakarn	*TH 11043*	78	77	49	64	77	63	82	77	43	56
	Patumthani	*TH 11044*	81	80	22	28	80	77	96	80	22	28
	Khanchanaburi	*TH 11045*	99	89	55	62	89	73	82	89	50	56
	Chiang Mai (Mae Hia)	*TH 11046*	114	110	48	44	105	71	68	105	30	29
Viet Nam	Hanoi	*VN 11047*	38	29	28	97	29	29	100	29	28	97
	Hoa Binh	*VN 11048*	37	36	34	94	36	36	100	36	34	94

Sample(N) : Number of samples
R_1(N) : Number of samples measured and calculated ion balance (R_1)
R_1(AA) : Number of samples within allowable ranges for R_1
R_2(N) : Number of samples measured and caluculated conductivity agreement (R_2)
R_2(AA) : Number of samples within allowable ranges for R_2
R_1&R_2(N) : Number of samples measured and calculated both R_1 and R_2
R_1&R_2(AA) : Number of samples within allowable ranges for both R_1 and R_2
Guanyinqiao, Jinyunshan, Mondy, Listvyanka, Irkutsk, Primorskaja,
: R_1 and R_2, calculated including concentrations of additional measured constituents
Phnom Penh, Vientian : Ions for calculating R_1 and R_2 were not analyzed.

Table 3.57 **Annual precipitation**

unit: mm y^{-1}

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					418.9	1307.8
China	Guanyinqiao	*CN*	*11001*	1081.1	751.6	1445.3	986.7	1386.7	1077.2
	Nanshan	*CN*	*11002*	1259.4					
	Jinyunshan	*CN*	*11003*		710.1	1606.6	1232.5	1517.7	1461.4
	Shizhan	*CN*	*11004*	559.1	363.9	349.0	1273.2	600.9	508.8
	Weishuiyuan	*CN*	*11005*	447.4	69.3	232.0	1302.1	465.6	438.9
	Dabagou	*CN*	*11006*	829.3					
	Jiwozi	*CN*	*11007*		208.8	141.7	610.8	1019.6	361.6
	Hongwen	*CN*	*11008*	1517.2	295.5	1567.5	1301.3	1064.9	1701.6
	Xiaoping	*CN*	*11009*	1566.4	2681.5	2170.7	1767.8	1958.4	2921.3
	Xiang Zhou	*CN*	*11010*	2030.5	1989.5	1731.4	1726.0	1339.8	1179.1
	Zhuxian Cavern	*CN*	*11011*	1778.8	2570.8	1581.0	1754.9	1276.8	1062.0
Indonesia	Jakarta	*ID*	*11012*	1577.4	1236.7	1572.3	1617.3	1468.7	2125.3
	Serpong	*ID*	*11014*	***	1606.7	2505.2	2142.8	1462.4	824.2
	Kototabang	*ID*	*11013*	2339.8	1208.7	1797.6	3126.7	2110.9	2193.9
	Bandung	*ID*	*11015*	893.3	2604.7	2540.7	1606.1	894.5	1749.3
Japan	Rishiri	*JP*	*11016*	769.9	614.9	957.0	708.6	945.4	961.0
	Ochiishi	*JP*	*11050*				781.8	648.0	822.2
	Tappi	*JP*	*11017*	1048.8	1081.6	1329.4	1149.6	1473.0	1240.2
	Sado-seki	*JP*	*11019*	1067.7	970.5	1432.9	1126.3	1539.2	1143.0
	Happo	*JP*	*11021*	2187.9	2345.1	2607.3	2461.4	3088.1	2996.6
	Ijira	*JP*	*11022*	2685.2	2236.5	2648.3	2967.0	3424.4	2569.4
	Oki	*JP*	*11023*	1209.1	1245.8	1570.8	1596.9	1408.6	1313.3
	Banryu	*JP*	*11024*	1565.2	1788.0	1303.0	1752.1	1737.6	1290.3
	Yusuhara	*JP*	*11025*	2800.7	2080.1	2345.9	2839.3	3970.3	2321.4
	Hedo	*JP*	*11027*	2906.8	2125.6	2032.4	1392.6	1778.2	1779.9
	Ogasawara	*JP*	*11018*	1984.9	1805.7	1330.5	1398.4	1170.5	2050.3
Lao PDR	Vientian	*LA*	*11051*				88.6	441.8	665.5
Malaysia	Petaling Jaya	*MY*	*11029*	3417.4	3085.3	2660.4	3040.5	2996.0	2847.5
	Tanah Rata	*MY*	*11030*	3127.4	2626.3	2782.6	3009.5	2415.4	2886.1
	Danum Valley	*MY*	*11053*						1256.3
Mongolia	Ulaanbaatar	*MN*	*11031*	196.5	165.8	178.5	297.2	83.4	150.3
	Terelj	*MN*	*11032*	207.6	88.6	246.0	311.7	207.1	245.8
Philippines	Metro Manila	*PH*	*11033*	4035.6	2291.2	2974.6	2204.8	2163.6	2376.7
	Los Banos	*PH*	*11034*	2635.2	1816.5	1701.6	1608.2	1743.3	1643.1
Republic of Korea	Kanghwa	*KR*	*11035*	1117.6	1139.4	824.1	1573.3	877.6	811.3
	Cheju (Kosan)	*KR*	*11036*	1058.4	1113.7	1016.8	1291.3	1123.9	699.1
	Imsil	*KR*	*11037*		1299.1	992.6	1875.5	1207.3	1248.1
Russia	Mondy	*RU*	*11038*	304.7	319.3	203.7	408.5	359.8	286.1
	Listvyanka	*RU*	*11039*	441.6	493.6	360.3	540.1	551.1	451.8
	Irkutsk	*RU*	*11040*	534.4	468.4	302.5	456.7	553.2	441.7
	Primorskaya	*RU*	*11041*			834.7	322.7	691.5	737.1
Thailand	Bangkok	*TH*	*11042*	1147.9	1173.9	1300.3	1384.7	1211.4	2006.4
	Samutprakarn	*TH*	*11043*	977.7				1260.4	1625.1
	Patumthani	*TH*	*11044*	955.6	1348.5	948.0	1658.0	976.2	1268.2
	Khanchanaburi	*TH*	*11045*	881.3	1516.0	2199.7	1626.9	1391.6	2043.3
	Chiang Mai (Mae Hia)	*TH*	*11046*		1083.9	1472.6	808.0	1151.5	1429.8
Viet Nam	Hanoi	*VN*	*11047*	1256.3	2254.7	1416.1	1585.6	1574.9	1761.0
	Hoa Binh	*VN*	*11048*	1893.6	2223.2	1625.9	1691.3	1830.8	2279.0

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.58 **Volume-weighted annual mean concentrations of SO_4^{2-}**

unit: μmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					***	5.7
China	Guanyinqiao	*CN*	*11001*	152	205	114	110	165	186
	Nanshan	*CN*	*11002*	130					
	Jinyunshan	*CN*	*11003*		124	78	83.2	109	102
	Shizhan	*CN*	*11004*	356	470	850	203	173	126
	Weishuiyuan	*CN*	*11005*	538	1510	1010	143	202	107
	Dabagou	*CN*	*11006*	141					
	Jiwozi	*CN*	*11007*		326	305	90.6	55.2	118
	Hongwen	*CN*	*11008*	20.2	56.5	42.8	36.9	69.1	47.2
	Xiaoping	*CN*	*11009*	14.6	18.3	16.7	23.6	27.2	20.2
	Xiang Zhou	*CN*	*11010*	22.4	15.7	27.9	20.5	18.7	23.8
	Zhuxian Cavern	*CN*	*11011*	48.0	19.3	32.0	18.5	26.9	29.5
Indonesia	Jakarta	*ID*	*11012*	58.7	62.7	38.5	66.7	48.6	40.3
	Serpong	*ID*	*11014*	***	38.2	25.7	23.1	28.1	33.3
	Kototabang	*ID*	*11013*	3.7	4.7	7.5	9.2	5.2	5.5
	Bandung	*ID*	*11015*	67.4	33.7	27.7	20.4	27.7	35.3
Japan	Rishiri	*JP*	*11016*	39.0	31.0	27.3	23.5	28.6	27.9
	Ochiishi	*JP*	*11050*				19.1	34.5	22.6
	Tappi	*JP*	*11017*	21.9	22.9	22.7	21.8	26.2	29.6
	Sado-seki	*JP*	*11019*	34.4	41.0	28.2	16.5	17.7	34.2
	Happo	*JP*	*11021*	13.3	11.7	7.6	7.5	9.1	12.0
	Ijira	*JP*	*11022*	19.9	22.0	19.7	19.1	14.0	18.9
	Oki	*JP*	*11023*	40.5	33.8	35.3	21.5	29.3	55.7
	Banryu	*JP*	*11024*	15.6	19.0	19.0	17.4	19.8	26.9
	Yusuhara	*JP*	*11025*	11.1	9.2	11.2	9.3	6.7	12.1
	Hedo	*JP*	*11027*	32.2	15.9	36.9	35.2	77.0	36.0
	Ogasawara	*JP*	*11018*	11.4	11.4	18.1	18.0	10.7	13.1
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	23.5	22.2	23.7	21.0	18.2	23.3
	Tanah Rata	*MY*	*11030*	4.1	3.7	4.6	3.8	4.0	5.6
	Danum Valley	*MY*	*11053*						4.4
Mongolia	Ulaanbaatar	*MN*	*11031*	24.3	25.2	24.7	19.5	22.1	26.7
	Terelj	*MN*	*11032*	16.4	9.7	15.1	8.3	13.3	17.5
Philippines	Metro Manila	*PH*	*11033*	23.4	37.3	26.3	17.1	20.4	24.0
	Los Banos	*PH*	*11034*	10.5	15.6	16.1	7.1	8.4	9.9
Republic	Kanghwa	*KR*	*11035*	31.6	25.0	34.5	26.1	44.8	46.8
of Korea	Cheju (Kosan)	*KR*	*11036*	23.2	20.7	28.0	22.7	23.8	34.3
	Imsil	*KR*	*11037*		16.4	22.9	16.3	16.5	22.8
Russia	Mondy	*RU*	*11038*	7.2	11.0	10.8	8.5	6.8	5.4
	Listvyanka	*RU*	*11039*	15.4	13.4	18.2	19.1	19.2	17.3
	Irkutsk	*RU*	*11040*	30.1	29.6	34.2	26.3	26.6	27.8
	Primorskaya	*RU*	*11041*			29.0	43.1	37.2	38.2
Thailand	Bangkok	*TH*	*11042*	21.6	18.2	18.6	18.5	16.3	19.5
	Samutprakarn	*TH*	*11043*	25.5				16.5	19.1
	Patumthani	*TH*	*11044*	19.6	17.2	15.0	12.4	17.5	13.2
	Khanchanaburi	*TH*	*11045*	3.6	5.2	5.6	3.6	3.4	2.8
	Chiang Mai (Mae Hia)	*TH*	*11046*		2.8	4.5	4.1	6.9	5.9
Viet Nam	Hanoi	*VN*	*11047*	30.1	14.0	33.7	30.1	37.0	51.4
	Hoa Binh	*VN*	*11048*	16.3	14.7	18.8	22.5	29.4	17.8

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.59 **Volume-weighted annual mean concentrations of nss-SO_4^{2-}**

unit: μmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					***	***
China	Guanyinqiao	*CN*	*11001*	151	205	114	109	165	185
	Nanshan	*CN*	*11002*	130					
	Jinyunshan	*CN*	*11003*		123	78	82.9	109	101
	Shizhan	*CN*	*11004*	353	460	835	199	171	125
	Weishuiyuan	*CN*	*11005*	534	1500	994	136	201	106
	Dabagou	*CN*	*11006*	140					
	Jiwozi	*CN*	*11007*		316	295	84.5	53.7	115
	Hongwen	*CN*	*11008*	18.8	55.9	39.4	34.8	66.0	44.1
	Xiaoping	*CN*	*11009*	14.1	17.6	15.7	22.1	26.4	19.6
	Xiang Zhou	*CN*	*11010*	19.9	14.6	25.4	18.3	16.7	21.5
	Zhuxian Cavern	*CN*	*11011*	46.3	18.0	29.3	16.4	23.8	26.1
Indonesia	Jakarta	*ID*	*11012*	55.6	60.3	36.4	65.1	46.4	38.9
	Serpong	*ID*	*11014*	***	36.8	24.2	22.4	26.9	32.3
	Kototabang	*ID*	*11013*	***	4.4	7.1	8.6	4.6	5.2
	Bandung	*ID*	*11015*	***	32.5	27.2	20.0	27.0	34.6
Japan	Rishiri	*JP*	*11016*	19.4	18.2	15.6	12.9	14.7	15.7
	Ochiishi	*JP*	*11050*				7.5	12.9	10.1
	Tappi	*JP*	*11017*	12.9	14.8	12.9	13.4	14.2	16.6
	Sado-seki	*JP*	*11019*	18.9	19.5	13.1	10.9	9.5	16.8
	Happo	*JP*	*11021*	12.9	11.3	7.4	7.2	8.8	11.5
	Ijira	*JP*	*11022*	18.7	20.2	18.0	18.3	12.7	18.0
	Oki	*JP*	*11023*	16.9	14.8	13.5	10.3	11.9	19.3
	Banryu	*JP*	*11024*	13.9	14.3	14.2	12.5	13.0	21.3
	Yusuhara	*JP*	*11025*	10.1	8.4	9.4	8.5	5.3	10.6
	Hedo	*JP*	*11027*	5.9	6.5	7.4	11.3	24.4	13.0
	Ogasawara	*JP*	*11018*	3.1	5.1	3.9	4.1	3.4	7.3
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	23.2	22.0	23.4	20.7	17.9	22.9
	Tanah Rata	*MY*	*11030*	4.0	3.6	4.5	3.7	3.9	5.2
	Danum Valley	*MY*	*11053*						4.1
Mongolia	Ulaanbaatar	*MN*	*11031*	23.9	24.6	24.3	19.3	21.8	26.3
	Terelj	*MN*	*11032*	16.0	8.8	14.3	8.0	12.9	16.8
Philippines	Metro Manila	*PH*	*11033*	21.6	22.7	25.4	16.0	19.4	23.0
	Los Banos	*PH*	*11034*	8.5	13.2	14.8	6.2	7.7	8.8
Republic	Kanghwa	*KR*	*11035*	28.2	22.5	31.5	24.6	42.9	44.7
of Korea	Cheju (Kosan)	*KR*	*11036*	14.0	16.2	24.5	19.9	20.3	29.2
	Imsil	*KR*	*11037*		15.5	20.5	14.9	15.4	21.5
Russia	Mondy	*RU*	*11038*	7.1	10.8	10.7	8.4	6.7	5.3
	Listvyanka	*RU*	*11039*	15.1	13.2	18.0	18.8	18.9	17.1
	Irkutsk	*RU*	*11040*	29.6	29.1	33.6	25.9	26.2	27.4
	Primorskaya	*RU*	*11041*			27.6	41.1	35.8	36.9
Thailand	Bangkok	*TH*	*11042*	21.2	17.7	17.6	18.0	15.7	18.7
	Samutprakarn	*TH*	*11043*	24.9				15.5	17.9
	Patumthani	*TH*	*11044*	18.9	16.7	14.4	12.1	17.0	12.8
	Khanchanaburi	*TH*	*11045*	3.1	4.5	5.1	3.0	2.8	2.4
	Chiang Mai (Mae Hia)	*TH*	*11046*		2.6	3.9	4.0	6.7	5.8
Viet Nam	Hanoi	*VN*	*11047*	29.0	13.3	33.4	29.6	36.5	50.4
	Hoa Binh	*VN*	*11048*	15.5	14.1	18.6	22.3	29.2	17.4

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.60 **Volume-weighted annual mean concentrations of NO_3^-**

unit: μmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					7.7	***
China	Guanyinqiao	*CN*	*11001*	42.1	52.8	34.4	38.9	43.9	41.3
	Nanshan	*CN*	*11002*	41.6					
	Jinyunshan	*CN*	*11003*		40.3	29.4	34.4	36.8	34.4
	Shizhan	*CN*	*11004*	87.0	153	150	68.0	61.7	12.1
	Weishuiyuan	*CN*	*11005*	95.8	210	168	54.1	69.6	11.4
	Dabagou	*CN*	*11006*	29.1					
	Jiwozi	*CN*	*11007*		140	89.8	42.8	26.4	9.3
	Hongwen	*CN*	*11008*	18.7	37.9	30.7	33.6	49.8	37.3
	Xiaoping	*CN*	*11009*	14.6	18.7	14.8	22.6	19.6	18.1
	Xiang Zhou	*CN*	*11010*	15.6	14.1	17.8	20.9	22.1	17.2
	Zhuxian Cavern	*CN*	*11011*	33.5	22.2	20.8	11.5	25.0	21.5
Indonesia	Jakarta	*ID*	*11012*	17.6	53.7	28.2	58.4	77.6	53.9
	Serpong	*ID*	*11014*	***	50.7	32.6	30.8	39.7	39.4
	Kototabang	*ID*	*11013*	6.2	2.7	5.6	49.3	4.7	1.6
	Bandung	*ID*	*11015*	34.4	26.9	26.3	20.4	28.2	19.2
Japan	Rishiri	*JP*	*11016*	18.1	18.0	13.5	12.2	11.6	12.6
	Ochiishi	*JP*	*11050*				8.0	13.5	9.3
	Tappi	*JP*	*11017*	12.9	15.3	16.9	16.9	16.3	18.2
	Sado-seki	*JP*	*11019*	18.3	22.2	15.0	13.9	11.2	18.6
	Happo	*JP*	*11021*	11.1	8.9	7.0	6.6	8.0	9.5
	Ijira	*JP*	*11022*	24.1	21.7	21.8	21.7	15.4	24.1
	Oki	*JP*	*11023*	18.6	15.7	15.1	12.9	17.0	21.8
	Banryu	*JP*	*11024*	13.9	17.4	19.1	15.9	15.6	25.5
	Yusuhara	*JP*	*11025*	7.0	6.8	8.4	6.9	5.3	9.4
	Hedo	*JP*	*11027*	5.7	6.6	9.5	9.5	13.4	11.0
	Ogasawara	*JP*	*11018*	2.4	3.7	2.7	4.7	3.7	3.2
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	27.2	23.7	36.8	32.9	29.8	35.9
	Tanah Rata	*MY*	*11030*	3.3	3.4	6.0	4.7	4.6	6.0
	Danum Valley	*MY*	*11053*						2.5
Mongolia	Ulaanbaatar	*MN*	*11031*	19.9	20.7	23.7	15.5	15.8	18.8
	Terelj	*MN*	*11032*	17.6	9.2	18.1	12.4	16.1	11.8
Philippines	Metro Manila	*PH*	*11033*	12.1	18.5	17.6	13.1	15.4	21.5
	Los Banos	*PH*	*11034*	5.4	13.9	8.2	4.9	6.1	9.8
Republic	Kanghwa	*KR*	*11035*	42.4	28.6	32.7	27.3	41.1	45.0
of Korea	Cheju (Kosan)	*KR*	*11036*	15.3	18.4	24.0	23.0	24.8	27.5
	Imsil	*KR*	*11037*		15.6	32.0	16.9	20.5	26.4
Russia	Mondy	*RU*	*11038*	10.0	10.6	13.5	6.8	6.8	5.0
	Listvyanka	*RU*	*11039*	18.7	14.7	25.0	29.8	19.8	11.8
	Irkutsk	*RU*	*11040*	21.0	18.4	21.8	17.8	17.1	16.4
	Primorskaya	*RU*	*11041*			10.2	15.4	21.4	21.6
Thailand	Bangkok	*TH*	*11042*	21.6	17.9	24.6	23.1	15.9	23.2
	Samutprakarn	*TH*	*11043*	15.4				9.8	17.9
	Patumthani	*TH*	*11044*	18.6	19.6	18.5	17.2	24.0	19.6
	Khanchanaburi	*TH*	*11045*	5.7	6.8	6.1	4.9	4.8	2.5
	Chiang Mai (Mae Hia)	*TH*	*11046*		4.1	6.6	6.5	6.1	8.4
Viet Nam	Hanoi	*VN*	*11047*	16.1	5.1	15.1	24.8	25.2	30.8
	Hoa Binh	*VN*	*11048*	9.7	8.8	20.2	13.4	19.9	12.9

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.61 **Volume-weighted annual mean concentrations of Cl**

unit: μmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					***	6.2
China	Guanyinqiao	*CN*	*11001*	24.0	29.8	15.6	16.2	14.7	18.3
	Nanshan	*CN*	*11002*	15.6					
	Jinyunshan	*CN*	*11003*		56.8	12.9	10.3	12.8	15.5
	Shizhan	*CN*	*11004*	49.0	81.3	349	83.3	36.1	34.4
	Weishuiyuan	*CN*	*11005*	91.6	278	285	99.4	39.4	36.5
	Dabagou	*CN*	*11006*	32.3					
	Jiwozi	*CN*	*11007*		98.9	185	70.1	14.8	38.4
	Hongwen	*CN*	*11008*	32.0	35.8	42.9	51.3	60.2	66.0
	Xiaoping	*CN*	*11009*	20.7	28.8	9.1	23.5	16.6	11.9
	Xiang Zhou	*CN*	*11010*	49.8	37.8	68.9	47.4	36.4	65.8
	Zhuxian Cavern	*CN*	*11011*	39.4	27.7	59.5	40.2	58.8	52.6
Indonesia	Jakarta	*ID*	*11012*	21.5	38.9	28.1	52.2	39.1	41.6
	Serpong	*ID*	*11014*	***	32.3	23.0	27.2	23.8	19.8
	Kototabang	*ID*	*11013*	6.8	6.6	16.8	27.8	11.8	7.1
	Bandung	*ID*	*11015*	105	25.0	20.3	13.0	17.4	14.6
Japan	Rishiri	*JP*	*11016*	372	235	217	201	256	233
	Ochiishi	*JP*	*11050*				227	410	232
	Tappi	*JP*	*11017*	178	156	191	154	231	250
	Sado-seki	*JP*	*11019*	274	378	307	107	154	337
	Happo	*JP*	*11021*	10.7	8.8	5.0	7.3	8.7	8.7
	Ijira	*JP*	*11022*	23.0	32.7	33.3	19.1	27.5	16.8
	Oki	*JP*	*11023*	449	359	419	201	321	696
	Banryu	*JP*	*11024*	31.0	86.5	88.9	92.5	133	110
	Yusuhara	*JP*	*11025*	18.7	12.3	31.8	16.0	28.1	29.9
	Hedo	*JP*	*11027*	515	175	593	451	982	488
	Ogasawara	*JP*	*11018*	164	123	278	286	139	115
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	8.5	7.5	7.3	9.2	7.4	8.8
	Tanah Rata	*MY*	*11030*	6.8	3.0	2.3	2.4	2.4	2.6
	Danum Valley	*MY*	*11053*						6.0
Mongolia	Ulaanbaatar	*MN*	*11031*	9.0	9.7	7.7	7.6	8.0	7.8
	Terelj	*MN*	*11032*	9.0	8.7	11.4	6.6	9.0	9.9
Philippines	Metro Manila	*PH*	*11033*	25.6	115	18.8	24.3	24.0	14.2
	Los Banos	*PH*	*11034*	33.0	34.5	24.6	16.2	14.3	18.1
Republic	Kanghwa	*KR*	*11035*	54.9	42.6	43.0	61.3	55.8	56.1
of Korea	Cheju (Kosan)	*KR*	*11036*	210	112	83.8	68.5	79.1	105
	Imsil	*KR*	*11037*		28.7	36.9	38.1	26.7	44.0
Russia	Mondy	*RU*	*11038*	2.6	1.4	8.9	3.1	2.8	5.9
	Listvyanka	*RU*	*11039*	5.0	2.2	6.8	4.1	4.9	5.4
	Irkutsk	*RU*	*11040*	11.6	12.2	18.0	17.7	8.5	12.4
	Primorskaya	*RU*	*11041*			33.9	35.6	21.3	21.7
Thailand	Bangkok	*TH*	*11042*	12.6	9.4	13.9	8.7	11.3	12.3
	Samutprakarn	*TH*	*11043*	12.9				12.8	19.0
	Patumthani	*TH*	*11044*	10.4	7.8	11.6	6.4	14.3	7.1
	Khanchanaburi	*TH*	*11045*	17.6	10.0	14.1	8.8	10.0	7.8
	Chiang Mai (Mae Hia)	*TH*	*11046*		4.5	10.1	4.7	3.8	4.2
Viet Nam	Hanoi	*VN*	*11047*	24.3	27.1	9.5	21.3	14.7	27.2
	Hoa Binh	*VN*	*11048*	20.3	22.1	7.0	6.9	11.8	13.5

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.62 **Volume-weighted annual mean concentrations of NH_4^+**

unit: μmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					10.8	16.3
China	Guanyinqiao	*CN*	*11001*	161	211	120	132	137	157
	Nanshan	*CN*	*11002*	105					
	Jinyunshan	*CN*	*11003*		111	83.5	85.6	105	105
	Shizhan	*CN*	*11004*	421	255	203	144	146	77.2
	Weishuiyuan	*CN*	*11005*	426	354	319	144	151	64.4
	Dabagou	*CN*	*11006*	199					
	Jiwozi	*CN*	*11007*		171	71.2	82.7	37.1	37.8
	Hongwen	*CN*	*11008*	31.6	64.9	44.2	29.4	45.8	35.4
	Xiaoping	*CN*	*11009*	19.8	33.2	31.1	38.2	38.0	32.2
	Xiang Zhou	*CN*	*11010*	20.5	25.0	95.8	34.0	50.7	103
	Zhuxian Cavern	*CN*	*11011*	51.0	30.3	48.4	29.9	59.5	26.1
Indonesia	Jakarta	*ID*	*11012*	77.3	66.2	31.7	20.8	22.4	12.4
	Serpong	*ID*	*11014*	***	67.6	46.0	45.0	42.3	44.6
	Kototabang	*ID*	*11013*	1.1	2.4	5.1	1.8	12.3	9.5
	Bandung	*ID*	*11015*	32.8	37.9	29.9	32.7	36.8	35.8
Japan	Rishiri	*JP*	*11016*	34.0	26.0	20.1	18.3	17.1	18.9
	Ochiishi	*JP*	*11050*				7.6	11.8	7.5
	Tappi	*JP*	*11017*	9.6	12.7	14.7	16.2	15.6	15.8
	Sado-seki	*JP*	*11019*	16.9	19.7	14.5	15.6	10.1	18.3
	Happo	*JP*	*11021*	14.2	10.8	7.7	6.4	8.3	10.8
	Ijira	*JP*	*11022*	23.8	17.6	22.8	18.1	14.7	20.3
	Oki	*JP*	*11023*	19.4	14.7	12.4	8.8	10.9	15.8
	Banryu	*JP*	*11024*	11.6	13.8	17.9	12.5	11.2	21.8
	Yusuhara	*JP*	*11025*	5.1	5.2	7.6	6.0	4.8	8.9
	Hedo	*JP*	*11027*	7.2	4.5	18.5	10.9	17.2	13.3
	Ogasawara	*JP*	*11018*	2.3	4.8	5.4	3.6	5.1	3.5
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	43.7	58.1	16.2	12.2	13.1	20.1
	Tanah Rata	*MY*	*11030*	41.1	35.4	4.0	2.3	2.4	2.8
	Danum Valley	*MY*	*11053*						2.0
Mongolia	Ulaanbaatar	*MN*	*11031*	52.0	49.9	72.8	47.5	46.2	54.4
	Terelj	*MN*	*11032*	44.3	30.5	65.7	31.6	35.6	36.1
Philippines	Metro Manila	*PH*	*11033*	35.6	77.1	46.2	23.7	35.4	29.9
	Los Banos	*PH*	*11034*	13.6	22.4	34.5	14.5	13.9	15.0
Republic of Korea	Kanghwa	*KR*	*11035*	37.6	37.5	40.1	57.6	75.6	66.4
	Cheju (Kosan)	*KR*	*11036*	20.2	32.3	43.3	41.9	36.0	30.9
	Imsil	*KR*	*11037*		42.3	42.2	32.5	28.2	32.4
Russia	Mondy	*RU*	*11038*	11.4	22.2	33.8	14.7	11.2	9.8
	Listvyanka	*RU*	*11039*	16.5	10.8	26.8	20.8	12.2	16.6
	Irkutsk	*RU*	*11040*	32.1	25.1	43.0	42.1	27.2	35.3
	Primorskaya	*RU*	*11041*			35.9	39.1	30.4	41.6
Thailand	Bangkok	*TH*	*11042*	41.3	36.2	46.8	37.5	37.8	43.4
	Samutprakarn	*TH*	*11043*	31.8				34.5	37.4
	Patumthani	*TH*	*11044*	38.3	35.5	34.2	29.1	34.0	31.2
	Khanchanaburi	*TH*	*11045*	6.8	11.0	10.9	12.5	8.4	5.0
	Chiang Mai (Mae Hia)	*TH*	*11046*		15.8	18.5	15.8	15.7	21.0
Viet Nam	Hanoi	*VN*	*11047*	27.5	20.3	55.5	55.1	52.7	98.8
	Hoa Binh	*VN*	*11048*	8.0	12.5	28.2	28.7	41.0	30.1

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.63 **Volume-weighted annual mean concentrations of Na^+**

unit: µmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					***	***
China	Guanyinqiao	*CN*	*11001*	11.8	10.8	5.5	4.9	7.3	8.3
	Nanshan	*CN*	*11002*	7.7					
	Jinyunshan	*CN*	*11003*		10.2	5.9	5.0	12.3	15.3
	Shizhan	*CN*	*11004*	44.1	164	246	69.2	19.1	16.1
	Weishuiyuan	*CN*	*11005*	68.9	219	207	113	23.3	20.5
	Dabagou	*CN*	*11006*	23.8					
	Jiwozi	*CN*	*11007*		158	171	102	25.1	59.6
	Hongwen	*CN*	*11008*	23.8	10.8	55.6	34.8	50.4	51.4
	Xiaoping	*CN*	*11009*	8.7	11.8	16.4	24.7	13.0	9.7
	Xiang Zhou	*CN*	*11010*	42.1	24.6	41.5	39.1	72.1	44.1
	Zhuxian Cavern	*CN*	*11011*	31.2	27.5	45.2	36.0	94.4	60.9
Indonesia	Jakarta	*ID*	*11012*	52.4	39.4	35.3	27.1	37.2	23.2
	Serpong	*ID*	*11014*	***	23.8	25.2	11.3	19.6	16.0
	Kototabang	*ID*	*11013*	***	4.5	6.3	9.7	10.9	5.7
	Bandung	*ID*	*11015*	***	20.2	8.6	7.1	10.8	11.9
Japan	Rishiri	*JP*	*11016*	325	212	197	176	229	203
	Ochiishi	*JP*	*11050*				198	360	208
	Tappi	*JP*	*11017*	149	134	165	141	199	218
	Sado-seki	*JP*	*11019*	258	355	268	93.8	135	290
	Happo	*JP*	*11021*	7.8	6.2	3.4	4.8	5.9	7.0
	Ijira	*JP*	*11022*	19.9	29.7	28.5	13.3	21.6	13.6
	Oki	*JP*	*11023*	396	316	363	185	295	602
	Banryu	*JP*	*11024*	28.9	78.2	79.4	80.9	113	92.1
	Yusuhara	*JP*	*11025*	15.2	11.8	28.9	14.4	24.1	25.2
	Hedo	*JP*	*11027*	454	160	515	430	873	449
	Ogasawara	*JP*	*11018*	139	104	236	251	125	97.3
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	5.0	3.7	5.1	5.6	5.7	6.6
	Tanah Rata	*MY*	*11030*	1.9	1.9	1.6	1.9	1.8	6.6
	Danum Valley	*MY*	*11053*						4.5
Mongolia	Ulaanbaatar	*MN*	*11031*	7.9	9.1	6.3	3.8	5.8	7.2
	Terelj	*MN*	*11032*	6.5	15.9	16.9	4.5	6.3	11.5
Philippines	Metro Manila	*PH*	*11033*	30.6	205	14.6	18.4	16.3	15.9
	Los Banos	*PH*	*11034*	34.8	37.2	21.1	15.3	12.0	17.2
Republic	Kanghwa	*KR*	*11035*	56.3	41.7	49.2	25.4	32.5	33.7
of Korea	Cheju (Kosan)	*KR*	*11036*	152	74.7	58.3	46.7	57.8	84.8
	Imsil	*KR*	*11037*		15.4	38.6	22.8	17.9	21.7
Russia	Mondy	*RU*	*11038*	1.8	2.3	1.9	2.3	1.9	1.5
	Listvyanka	*RU*	*11039*	4.6	3.4	3.8	5.1	4.7	3.0
	Irkutsk	*RU*	*11040*	8.8	8.3	9.2	6.6	6.6	6.9
	Primorskaya	*RU*	*11041*			23.1	33.7	22.5	21.7
Thailand	Bangkok	*TH*	*11042*	6.9	8.3	16.1	7.6	10.2	12.8
	Samutprakarn	*TH*	*11043*	10.1				16.5	19.8
	Patumthani	*TH*	*11044*	10.9	8.1	9.6	4.7	8.9	6.6
	Khanchanaburi	*TH*	*11045*	9.7	11.3	8.3	10.3	9.0	6.7
	Chiang Mai (Mae Hia)	*TH*	*11046*		3.9	9.7	3.2	3.1	<1.0
Viet Nam	Hanoi	*VN*	*11047*	18.1	11.5	5.9	9.0	8.1	17.7
	Hoa Binh	*VN*	*11048*	12.7	9.8	2.1	2.4	3.9	7.5

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.64 **Volume-weighted annual mean concentrations of K^+**

unit: μmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					1.6	***
China	Guanyinqiao	*CN*	*11001*	14.2	18.7	10.6	11.0	10.9	12.4
	Nanshan	*CN*	*11002*	16.3					
	Jinyunshan	*CN*	*11003*		44.4	10.3	8.6	11.7	11.4
	Shizhan	*CN*	*11004*	26.5	42.2	40.5	18.7	9.6	15.4
	Weishuiyuan	*CN*	*11005*	34.7	74.9	76.6	20.3	11.3	12.6
	Dabagou	*CN*	*11006*	17.9					
	Jiwozi	*CN*	*11007*		43.6	42.2	21.3	8.5	27.7
	Hongwen	*CN*	*11008*	5.0	10.4	4.3	4.3	7.2	5.1
	Xiaoping	*CN*	*11009*	2.8	4.2	3.8	4.7	5.1	2.8
	Xiang Zhou	*CN*	*11010*	6.6	4.0	17.6	5.7	7.7	2.7
	Zhuxian Cavern	*CN*	*11011*	6.2	5.9	13.2	6.6	22.7	5.6
Indonesia	Jakarta	*ID*	*11012*	***	24.3	11.3	9.3	10.3	5.7
	Serpong	*ID*	*11014*	***	7.0	3.9	8.0	5.6	6.2
	Kototabang	*ID*	*11013*	***	1.3	5.1	20.0	6.3	4.4
	Bandung	*ID*	*11015*	***	12.6	2.0	4.1	3.3	4.7
Japan	Rishiri	*JP*	*11016*	9.9	6.0	5.1	4.9	6.0	5.1
	Ochiishi	*JP*	*11050*				4.6	8.1	5.3
	Tappi	*JP*	*11017*	3.6	3.3	4.1	3.4	4.9	5.0
	Sado-seki	*JP*	*11019*	6.4	8.2	6.5	2.5	3.6	6.6
	Happo	*JP*	*11021*	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Ijira	*JP*	*11022*	2.9	4.1	2.1	1.2	1.1	<1.0
	Oki	*JP*	*11023*	10.5	8.8	9.5	5.4	9.6	15.5
	Banryu	*JP*	*11024*	1.4	2.7	2.9	2.5	3.0	3.7
	Yusuhara	*JP*	*11025*	<1.0	<1.0	1.0	<1.0	<1.0	<1.0
	Hedo	*JP*	*11027*	9.1	3.6	12.0	10.1	24.6	11.3
	Ogasawara	*JP*	*11018*	3.6	4.1	6.2	5.6	3.1	2.3
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	1.8	1.4	1.3	3.0	1.6	2.5
	Tanah Rata	*MY*	*11030*	1.1	<1.0	<1.0	<1.0	1.5	<1.0
	Danum Valley	*MY*	*11053*						1.2
Mongolia	Ulaanbaatar	*MN*	*11031*	3.9	4.6	3.8	3.4	2.8	4.3
	Terelj	*MN*	*11032*	4.5	3.8	10.2	4.1	4.7	6.5
Philippines	Metro Manila	*PH*	*11033*	15.5	23.2	9.9	2.5	3.9	3.9
	Los Banos	*PH*	*11034*	1.7	9.5	6.4	1.8	2.1	2.2
Republic	Kanghwa	*KR*	*11035*	5.6	4.7	8.8	9.4	11.4	6.5
of Korea	Cheju (Kosan)	*KR*	*11036*	6.3	9.4	6.4	8.2	8.1	8.6
	Imsil	*KR*	*11037*		14.8	6.5	11.2	5.7	48.6
Russia	Mondy	*RU*	*11038*	1.2	2.1	2.3	1.6	2.7	1.0
	Listvyanka	*RU*	*11039*	4.7	1.7	2.2	2.6	2.4	1.1
	Irkutsk	*RU*	*11040*	4.4	7.4	2.3	2.6	2.7	3.4
	Primorskaya	*RU*	*11041*			5.3	10.1	7.2	7.1
Thailand	Bangkok	*TH*	*11042*	3.2	4.1	3.4	2.6	1.6	2.2
	Samutprakarn	*TH*	*11043*	5.3				4.9	4.9
	Patumthani	*TH*	*11044*	2.3	1.7	1.5	1.2	1.2	1.2
	Khanchanaburi	*TH*	*11045*	8.9	5.0	2.4	2.0	1.1	<1.0
	Chiang Mai (Mae Hia)	*TH*	*11046*		2.9	4.4	4.0	1.4	<1.0
Viet Nam	Hanoi	*VN*	*11047*	4.1	3.8	2.1	2.6	3.0	5.2
	Hoa Binh	*VN*	*11048*	3.6	2.3	1.5	1.5	1.7	3.6

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.65 **Volume-weighted annual mean concentrations of Ca^{2+}**

unit: µmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					<0.2	***
China	Guanyinqiao	*CN*	*11001*	63.0	137	65.4	65.4	110	156
	Nanshan	*CN*	*11002*	55.2					
	Jinyunshan	*CN*	*11003*		44.9	29.7	30.7	70.5	57.7
	Shizhan	*CN*	*11004*	229	675	479	258	147	107
	Weishuiyuan	*CN*	*11005*	305	1160	617	241	190	91.0
	Dabagou	*CN*	*11006*	124					
	Jiwozi	*CN*	*11007*		429	276	230	88.0	129
	Hongwen	*CN*	*11008*	6.7	36.3	49.1	30.7	83.7	37.4
	Xiaoping	*CN*	*11009*	0.8	5.1	10.6	17.3	6.4	10.6
	Xiang Zhou	*CN*	*11010*	21.2	8.0	15.5	22.8	18.0	7.3
	Zhuxian Cavern	*CN*	*11011*	25.0	14.3	20.7	20.2	24.7	17.0
Indonesia	Jakarta	*ID*	*11012*	87.6	64.4	42.9	101	50.9	17.4
	Serpong	*ID*	*11014*	***	13.6	9.9	6.6	10.5	12.0
	Kototabang	*ID*	*11013*	4.0	1.4	4.9	5.5	7.0	3.4
	Bandung	*ID*	*11015*	***	24.2	17.1	10.9	18.3	15.9
Japan	Rishiri	*JP*	*11016*	13.7	10.1	10.2	7.7	8.6	7.6
	Ochiishi	*JP*	*11050*				5.7	12.2	9.0
	Tappi	*JP*	*11017*	6.4	5.8	9.0	7.0	7.8	10.7
	Sado-seki	*JP*	*11019*	11.7	15.8	9.1	5.1	4.7	10.2
	Happo	*JP*	*11021*	3.9	4.3	2.0	1.9	2.4	4.1
	Ijira	*JP*	*11022*	6.8	5.6	4.2	2.9	2.3	2.8
	Oki	*JP*	*11023*	16.0	12.9	11.5	6.9	11.9	18.6
	Banryu	*JP*	*11024*	4.2	6.0	5.4	3.4	5.3	5.9
	Yusuhara	*JP*	*11025*	2.7	3.4	1.8	1.4	1.8	2.4
	Hedo	*JP*	*11027*	10.1	4.9	14.0	10.9	22.7	14.1
	Ogasawara	*JP*	*11018*	5.1	5.4	8.6	8.0	3.4	2.6
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	6.8	6.3	7.4	7.8	5.1	6.1
	Tanah Rata	*MY*	*11030*	2.3	3.1	3.1	3.3	2.3	1.8
	Danum Valley	*MY*	*11053*						1.4
Mongolia	Ulaanbaatar	*MN*	*11031*	37.7	47.4	49.9	26.5	43.2	49.8
	Terelj	*MN*	*11032*	15.2	15.0	27.3	10.7	16.2	13.6
Philippines	Metro Manila	*PH*	*11033*	14.5	71.6	8.7	8.8	11.1	10.6
	Los Banos	*PH*	*11034*	7.0	65.3	7.2	7.8	5.4	3.5
Republic	Kanghwa	*KR*	*11035*	26.5	14.0	11.1	11.3	14.0	11.1
of Korea	Cheju (Kosan)	*KR*	*11036*	13.8	5.9	9.4	8.1	7.7	11.3
	Imsil	*KR*	*11037*		5.8	9.8	5.4	6.8	5.0
Russia	Mondy	*RU*	*11038*	5.8	7.0	8.5	3.8	5.3	4.2
	Listvyanka	*RU*	*11039*	12.8	7.3	11.4	14.3	14.1	8.2
	Irkutsk	*RU*	*11040*	28.0	34.8	31.5	23.9	21.9	21.6
	Primorskaya	*RU*	*11041*			18.1	25.3	21.5	21.1
Thailand	Bangkok	*TH*	*11042*	11.4	12.0	15.7	11.9	11.0	18.6
	Samutprakarn	*TH*	*11043*	11.1				7.8	9.7
	Patumthani	*TH*	*11044*	13.2	13.0	17.4	6.3	11.4	8.5
	Khanchanaburi	*TH*	*11045*	4.8	9.0	4.9	8.4	4.8	2.5
	Chiang Mai (Mae Hia)	*TH*	*11046*		6.9	18.0	5.7	4.8	3.8
Viet Nam	Hanoi	*VN*	*11047*	20.9	10.7	16.8	17.8	25.0	26.1
	Hoa Binh	*VN*	*11048*	13.1	10.4	12.6	12.0	19.9	14.3

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.66 **Volume-weighted annual mean concentrations of nss-Ca^{2+}**

unit: μmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					***	***
China	Guanyinqiao	*CN*	*11001*	62.8	137	65.3	65.3	110	156
	Nanshan	*CN*	*11002*	55.0					
	Jinyunshan	*CN*	*11003*		44.7	29.6	30.6	70.2	57.4
	Shizhan	*CN*	*11004*	228	672	474	257	147	107
	Weishuiyuan	*CN*	*11005*	303	1150	612	238	189	90.6
	Dabagou	*CN*	*11006*	123					
	Jiwozi	*CN*	*11007*		425	273	227	87.4	128
	Hongwen	*CN*	*11008*	6.3	36.1	47.9	30.0	82.6	36.3
	Xiaoping	*CN*	*11009*	0.6	4.9	10.3	16.8	6.1	10.4
	Xiang Zhou	*CN*	*11010*	20.3	7.4	14.6	21.9	16.4	6.5
	Zhuxian Cavern	*CN*	*11011*	24.3	13.7	19.7	19.4	22.7	15.7
Indonesia	Jakarta	*ID*	*11012*	86.4	63.5	42.2	101	50.2	16.9
	Serpong	*ID*	*11014*	***	13.1	9.4	6.4	10.1	11.7
	Kototabang	*ID*	*11013*	***	1.4	4.8	5.3	6.7	3.3
	Bandung	*ID*	*11015*	***	23.7	16.9	10.7	18.0	15.4
Japan	Rishiri	*JP*	*11016*	6.7	5.5	5.9	4.0	3.7	3.3
	Ochiishi	*JP*	*11050*				1.6	4.5	4.4
	Tappi	*JP*	*11017*	3.2	3.0	5.5	3.9	3.5	6.1
	Sado-seki	*JP*	*11019*	6.2	8.3	3.4	3.1	1.9	3.9
	Happo	*JP*	*11021*	3.7	4.2	1.9	1.8	2.2	4.0
	Ijira	*JP*	*11022*	6.3	5.0	3.6	2.6	1.9	2.5
	Oki	*JP*	*11023*	7.5	6.1	3.9	2.9	5.5	5.5
	Banryu	*JP*	*11024*	3.7	4.3	3.7	1.7	2.9	3.9
	Yusuhara	*JP*	*11025*	2.4	3.2	1.2	1.1	1.3	1.8
	Hedo	*JP*	*11027*	0.8	1.7	2.9	3.5	4.3	4.4
	Ogasawara	*JP*	*11018*	2.1	3.2	3.6	2.6	1.0	0.6
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	6.7	6.2	7.3	7.7	4.9	5.9
	Tanah Rata	*MY*	*11030*	2.2	3.1	3.0	3.3	2.3	1.7
	Danum Valley	*MY*	*11053*						1.3
Mongolia	Ulaanbaatar	*MN*	*11031*	37.6	47.2	49.8	26.4	43.0	49.6
	Terelj	*MN*	*11032*	15.1	14.6	26.3	10.6	16.1	13.3
Philippines	Metro Manila	*PH*	*11033*	13.9	67.2	8.4	8.4	10.8	10.3
	Los Banos	*PH*	*11034*	6.2	64.5	6.8	7.5	5.1	3.2
Republic	Kanghwa	*KR*	*11035*	25.3	13.1	10.0	10.8	13.3	10.3
of Korea	Cheju (Kosan)	*KR*	*11036*	10.5	4.3	8.1	7.1	6.5	9.4
	Imsil	*KR*	*11037*		5.5	9.0	4.9	6.4	4.5
Russia	Mondy	*RU*	*11038*	5.7	6.9	8.5	3.8	5.3	4.1
	Listvyanka	*RU*	*11039*	12.7	7.2	11.3	14.1	14.0	8.2
	Irkutsk	*RU*	*11040*	27.8	34.6	31.3	23.7	21.7	21.4
	Primorskaya	*RU*	*11041*			17.6	24.6	21.0	20.7
Thailand	Bangkok	*TH*	*11042*	11.2	11.8	15.4	11.7	10.7	18.4
	Samutprakarn	*TH*	*11043*	10.8				7.5	9.3
	Patumthani	*TH*	*11044*	12.9	12.8	17.2	6.2	11.2	8.3
	Khanchanaburi	*TH*	*11045*	4.6	8.8	4.7	8.2	4.6	2.3
	Chiang Mai (Mae Hia)	*TH*	*11046*		6.9	17.8	5.6	4.7	3.7
Viet Nam	Hanoi	*VN*	*11047*	20.5	10.4	16.7	17.6	24.8	25.7
	Hoa Binh	*VN*	*11048*	12.8	10.2	12.6	11.9	19.8	14.1

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.67 **Volume-weighted annual mean concentrations of Mg^{2+}**

unit: µmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					<0.4	***
China	Guanyinqiao	*CN*	*11001*	8.5	11.6	6.0	4.5	9.1	12.7
	Nanshan	*CN*	*11002*	7.0					
	Jinyunshan	*CN*	*11003*		5.8	3.4	2.9	3.5	3.2
	Shizhan	*CN*	*11004*	23.6	48.5	67.9	33.5	15.3	13.2
	Weishuiyuan	*CN*	*11005*	31.7	88.4	91.1	40.0	19.3	10.9
	Dabagou	*CN*	*11006*	14.6					
	Jiwozi	*CN*	*11007*		41.1	50.1	33.9	16.6	30.9
	Hongwen	*CN*	*11008*	4.2	6.3	9.6	6.0	11.4	9.0
	Xiaoping	*CN*	*11009*	1.3	2.5	1.6	4.0	1.4	1.1
	Xiang Zhou	*CN*	*11010*	6.9	2.9	5.5	7.1	6.3	6.9
	Zhuxian Cavern	*CN*	*11011*	7.9	3.3	7.1	7.4	8.5	9.1
Indonesia	Jakarta	*ID*	*11012*	219	69.0	13.1	12.7	6.3	3.6
	Serpong	*ID*	*11014*	***	3.5	4.5	2.7	4.0	3.7
	Kototabang	*ID*	*11013*	***	1.0	2.6	6.8	1.8	0.9
	Bandung	*ID*	*11015*	***	4.1	1.6	1.7	3.3	2.5
Japan	Rishiri	*JP*	*11016*	36.3	24.8	22.3	20.3	26.4	23.3
	Ochiishi	*JP*	*11050*				22.1	42.2	22.2
	Tappi	*JP*	*11017*	17.5	15.5	19.6	16.8	23.4	24.2
	Sado-seki	*JP*	*11019*	29.0	40.5	30.7	11.3	15.6	33.0
	Happo	*JP*	*11021*	1.7	1.6	0.9	1.2	1.3	1.2
	Ijira	*JP*	*11022*	2.9	4.0	3.5	2.2	2.8	1.8
	Oki	*JP*	*11023*	45.0	36.6	40.6	21.2	34.4	69.9
	Banryu	*JP*	*11024*	3.3	9.1	9.3	9.3	13.2	10.8
	Yusuhara	*JP*	*11025*	2.2	1.8	3.6	1.8	2.9	3.0
	Hedo	*JP*	*11027*	50.0	16.9	59.0	49.3	91.0	47.3
	Ogasawara	*JP*	*11018*	19.2	13.3	32.4	31.1	13.0	10.7
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	1.4	1.3	1.4	0.7	0.9	0.8
	Tanah Rata	*MY*	*11030*	0.4	0.4	0.4	0.5	<0.4	0.5
	Danum Valley	*MY*	*11053*						<0.4
Mongolia	Ulaanbaatar	*MN*	*11031*	4.1	5.4	3.6	3.7	5.9	5.2
	Terelj	*MN*	*11032*	3.2	2.5	4.1	2.3	5.2	3.7
Philippines	Metro Manila	*PH*	*11033*	6.3	15.0	3.3	3.0	4.4	2.5
	Los Banos	*PH*	*11034*	3.7	11.1	2.9	2.6	3.6	2.3
Republic	Kanghwa	*KR*	*11035*	9.3	5.3	6.3	2.9	5.5	6.2
of Korea	Cheju (Kosan)	*KR*	*11036*	18.6	10.0	7.5	5.9	7.3	15.0
	Imsil	*KR*	*11037*		1.9	3.3	1.6	2.4	1.8
Russia	Mondy	*RU*	*11038*	1.1	1.5	2.2	0.8	1.3	1.0
	Listvyanka	*RU*	*11039*	2.9	1.8	3.0	3.6	3.2	1.6
	Irkutsk	*RU*	*11040*	5.0	5.5	5.7	4.3	4.8	5.1
	Primorskaya	*RU*	*11041*			5.7	11.2	7.0	5.7
Thailand	Bangkok	*TH*	*11042*	2.0	3.2	3.5	2.3	2.1	3.8
	Samutprakarn	*TH*	*11043*	2.4				1.9	3.4
	Patumthani	*TH*	*11044*	2.4	2.2	2.8	1.1	1.6	1.3
	Khanchanaburi	*TH*	*11045*	1.7	2.5	1.7	2.2	1.6	1.1
	Chiang Mai (Mae Hia)	*TH*	*11046*		1.1	3.5	2.1	1.8	1.0
Viet Nam	Hanoi	*VN*	*11047*	5.0	4.0	3.0	3.6	3.8	8.6
	Hoa Binh	*VN*	*11048*	4.7	3.7	1.4	2.1	2.5	4.2

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.68 **Volume-weighted annual mean concentrations of H^+**

unit: μmol/L

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					4.8	0.5
China	Guanyinqiao	*CN*	*11001*	46.7	16.1	25.2	32.2	25.9	11.2
	Nanshan	*CN*	*11002*	60.5					
	Jinyunshan	*CN*	*11003*		65.4	43.6	50.3	25.9	23.7
	Shizhan	*CN*	*11004*	2.1	0.4	0.6	1.0	0.5	3.9
	Weishuiyuan	*CN*	*11005*	0.4	0.5	0.9	0.8	1.1	7.0
	Dabagou	*CN*	*11006*	3.8					
	Jiwozi	*CN*	*11007*		0.6	1.0	0.9	0.8	0.6
	Hongwen	*CN*	*11008*	19.1	29.6	16.2	34.4	19.4	19.9
	Xiaoping	*CN*	*11009*	12.2	12.6	33.6	41.4	24.6	16.5
	Xiang Zhou	*CN*	*11010*	7.0	11.4	7.8	7.9	16.5	27.3
	Zhuxian Cavern	*CN*	*11011*	23.0	16.7	12.8	7.9	23.2	24.4
Indonesia	Jakarta	*ID*	*11012*	6.6	3.8	16.9	7.0	20.4	49.1
	Serpong	*ID*	*11014*	***	23.7	22.6	24.1	20.8	25.6
	Kototabang	*ID*	*11013*	31.2	8.5	4.9	5.0	18.5	20.9
	Bandung	*ID*	*11015*	***	10.1	34.9	10.0	9.3	9.3
Japan	Rishiri	*JP*	*11016*	15.7	16.8	15.0	13.3	14.4	18.4
	Ochiishi	*JP*	*11050*				12.2	20.7	14.6
	Tappi	*JP*	*11017*	19.0	23.0	20.9	27.0	25.4	24.9
	Sado-seki	*JP*	*11019*	26.9	23.2	22.7	21.5	19.7	27.6
	Happo	*JP*	*11021*	18.6	14.6	11.8	12.4	13.9	15.9
	Ijira	*JP*	*11022*	30.1	37.1	30.4	38.7	22.1	30.9
	Oki	*JP*	*11023*	22.8	17.0	18.6	17.5	15.9	27.4
	Banryu	*JP*	*11024*	22.9	21.9	20.4	23.3	19.9	32.7
	Yusuhara	*JP*	*11025*	19.5	14.9	17.4	18.4	10.6	22.8
	Hedo	*JP*	*11027*	7.4	10.9	11.3	12.5	16.5	14.7
	Ogasawara	*JP*	*11018*	5.9	8.1	8.2	9.1	7.5	15.4
Lao PDR	Vientian	*LA*	*11051*				0.3	2.3	0.5
Malaysia	Petaling Jaya	*MY*	*11029*	44.9	56.0	58.8	52.1	47.3	43.1
	Tanah Rata	*MY*	*11030*	16.1	12.7	10.8	12.7	13.7	14.3
	Danum Valley	*MY*	*11053*						10.5
Mongolia	Ulaanbaatar	*MN*	*11031*	0.5	0.6	0.4	1.9	0.3	1.0
	Terelj	*MN*	*11032*	3.0	0.9	1.8	4.0	1.6	5.4
Philippines	Metro Manila	*PH*	*11033*	3.3	3.9	8.1	36.2	6.6	11.3
	Los Banos	*PH*	*11034*	3.6	3.0	1.8	32.5	5.5	7.3
Republic	Kanghwa	*KR*	*11035*	10.0	10.2	22.2	21.3	27.2	56.9
of Korea	Cheju (Kosan)	*KR*	*11036*	14.1	12.9	24.3	15.0	18.2	28.5
	Imsil	*KR*	*11037*		8.0	2.0	8.3	11.8	1.0
Russia	Mondy	*RU*	*11038*	5.5	3.1	4.1	4.5	4.6	4.3
	Listvyanka	*RU*	*11039*	8.6	11.0	13.2	9.7	12.1	14.7
	Irkutsk	*RU*	*11040*	7.8	5.3	9.4	4.2	12.2	7.6
	Primorskaya	*RU*	*11041*			6.3	13.2	14.5	8.7
Thailand	Bangkok	*TH*	*11042*	11.1	10.7	7.9	29.5	6.5	12.7
	Samutprakarn	*TH*	*11043*	14.8				3.4	3.4
	Patumthani	*TH*	*11044*	5.7	7.4	4.6	13.7	13.6	12.9
	Khanchanaburi	*TH*	*11045*	2.7	5.5	2.3	3.5	0.8	2.9
	Chiang Mai (Mae Hia)	*TH*	*11046*		1.9	1.9	2.5	2.5	5.9
Viet Nam	Hanoi	*VN*	*11047*	3.6	1.5	2.8	1.5	2.3	0.7
	Hoa Binh	*VN*	*11048*	7.8	9.1	6.5	4.2	2.5	2.0

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.69 **Volume-weighted annual mean pH**

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					5.32	6.32
China	Guanyinqiao	*CN*	*11001*	4.33	4.79	4.60	4.49	4.59	4.95
	Nanshan	*CN*	*11002*	4.22					
	Jinyunshan	*CN*	*11003*		4.18	4.36	4.30	4.59	4.62
	Shizhan	*CN*	*11004*	5.68	6.38	6.24	6.00	6.30	5.41
	Weishuiyuan	*CN*	*11005*	6.42	6.32	6.03	6.11	5.98	5.15
	Dabagou	*CN*	*11006*	5.42					
	Jiwozi	*CN*	*11007*		6.24	6.00	6.05	6.11	6.20
	Hongwen	*CN*	*11008*	4.72	4.53	4.79	4.46	4.71	4.70
	Xiaoping	*CN*	*11009*	4.91	4.90	4.47	4.38	4.61	4.78
	Xiang Zhou	*CN*	*11010*	5.15	4.94	5.11	5.10	4.78	4.56
	Zhuxian Cavern	*CN*	*11011*	4.64	4.78	4.89	5.10	4.63	4.61
Indonesia	Jakarta	*ID*	*11012*	5.18	5.42	4.77	5.16	4.69	4.31
	Serpong	*ID*	*11014*	***	4.63	4.65	4.62	4.68	4.59
	Kototabang	*ID*	*11013*	4.51	5.07	5.31	5.30	4.73	4.68
	Bandung	*ID*	*11015*	***	4.99	4.46	5.00	5.03	5.03
Japan	Rishiri	*JP*	*11016*	4.80	4.77	4.82	4.88	4.84	4.74
	Ochiishi	*JP*	*11050*				4.91	4.68	4.84
	Tappi	*JP*	*11017*	4.72	4.64	4.68	4.57	4.59	4.60
	Sado-seki	*JP*	*11019*	4.57	4.63	4.64	4.67	4.70	4.56
	Happo	*JP*	*11021*	4.73	4.84	4.93	4.91	4.86	4.80
	Ijira	*JP*	*11022*	4.52	4.43	4.52	4.41	4.65	4.51
	Oki	*JP*	*11023*	4.64	4.77	4.73	4.76	4.80	4.56
	Banryu	*JP*	*11024*	4.64	4.66	4.69	4.63	4.70	4.49
	Yusuhara	*JP*	*11025*	4.71	4.83	4.76	4.73	4.97	4.64
	Hedo	*JP*	*11027*	5.13	4.96	4.95	4.90	4.78	4.83
	Ogasawara	*JP*	*11018*	5.23	5.09	5.09	5.04	5.13	4.81
Lao PDR	Vientian	*LA*	*11051*				6.51	5.65	6.32
Malaysia	Petaling Jaya	*MY*	*11029*	4.35	4.25	4.23	4.28	4.33	4.37
	Tanah Rata	*MY*	*11030*	4.79	4.90	4.97	4.90	4.86	4.84
	Danum Valley	*MY*	*11053*						4.98
Mongolia	Ulaanbaatar	*MN*	*11031*	6.26	6.19	6.38	5.72	6.46	5.99
	Terelj	*MN*	*11032*	5.52	6.04	5.75	5.40	5.78	5.26
Philippines	Metro Manila	*PH*	*11033*	5.48	5.41	5.09	4.44	5.18	4.95
	Los Banos	*PH*	*11034*	5.44	5.53	5.74	4.49	5.26	5.14
Republic	Kanghwa	*KR*	*11035*	5.00	4.99	4.65	4.67	4.57	4.25
of Korea	Cheju (Kosan)	*KR*	*11036*	4.85	4.89	4.61	4.83	4.74	4.55
	Imsil	*KR*	*11037*		5.09	5.69	5.08	4.93	6.00
Russia	Mondy	*RU*	*11038*	5.26	5.50	5.39	5.35	5.34	5.36
	Listvyanka	*RU*	*11039*	5.07	4.96	4.88	5.01	4.92	4.83
	Irkutsk	*RU*	*11040*	5.11	5.28	5.02	5.37	4.91	5.12
	Primorskaya	*RU*	*11041*			5.20	4.88	4.84	5.06
Thailand	Bangkok	*TH*	*11042*	4.95	4.97	5.10	4.53	5.19	4.89
	Samutprakarn	*TH*	*11043*	4.83				5.47	5.47
	Patumthani	*TH*	*11044*	5.25	5.13	5.33	4.86	4.87	4.89
	Khanchanaburi	*TH*	*11045*	5.56	5.26	5.64	5.46	6.07	5.54
	Chiang Mai (Mae Hia)	*TH*	*11046*		5.71	5.72	5.61	5.59	5.23
Viet Nam	Hanoi	*VN*	*11047*	5.45	5.83	5.55	5.81	5.65	6.15
	Hoa Binh	*VN*	*11048*	5.11	5.04	5.19	5.38	5.60	5.69

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.70 **Volume-weighted annual mean EC**

unit: mS/m

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					1.17	0.81
China	Guanyinqiao	*CN*	*11001*	5.61	7.00	4.36	4.89	5.82	6.70
	Nanshan	*CN*	*11002*	5.20					
	Jinyunshan	*CN*	*11003*		6.23	3.69	4.19	4.35	4.23
	Shizhan	*CN*	*11004*	11.4	19.5	16.1	7.50	6.47	5.18
	Weishuiyuan	*CN*	*11005*	15.1	27.7	21.7	7.80	8.55	4.61
	Dabagou	*CN*	*11006*	7.71					
	Jiwozi	*CN*	*11007*		9.65	4.02	5.19	2.91	5.82
	Hongwen	*CN*	*11008*	1.66	3.87	2.64	2.88	3.41	2.63
	Xiaoping	*CN*	*11009*	0.88	1.44	1.60	2.15	1.97	1.91
	Xiang Zhou	*CN*	*11010*	2.05	1.95	3.20	2.19	2.37	2.41
	Zhuxian Cavern	*CN*	*11011*	3.04	2.08	3.63	2.42	3.15	2.49
Indonesia	Jakarta	*ID*	*11012*	5.06	26.4	2.97	4.78	3.69	3.37
	Serpong	*ID*	*11014*	***	2.94	1.87	2.26	2.25	2.63
	Kototabang	*ID*	*11013*	1.00	0.43	4.94	1.96	1.11	0.84
	Bandung	*ID*	*11015*	3.37	2.08	1.68	1.50	1.80	1.75
Japan	Rishiri	*JP*	*11016*	6.37	4.51	4.23	3.80	4.72	4.46
	Ochiishi	*JP*	*11050*				3.45	6.72	4.01
	Tappi	*JP*	*11017*	3.69	3.52	3.89	3.74	4.57	4.18
	Sado-seki	*JP*	*11019*	4.76	5.64	4.99	2.65	3.10	5.05
	Happo	*JP*	*11021*	1.22	0.96	0.67	0.69	0.91	1.10
	Ijira	*JP*	*11022*	2.11	2.44	2.18	2.12	1.62	2.11
	Oki	*JP*	*11023*	7.28	5.90	6.59	3.82	5.86	11.3
	Banryu	*JP*	*11024*	1.82	2.52	2.56	2.56	3.02	3.50
	Yusuhara	*JP*	*11025*	1.17	0.98	1.42	1.16	1.03	1.59
	Hedo	*JP*	*11027*	7.21	2.95	8.85	7.10	14.2	7.10
	Ogasawara	*JP*	*11018*	2.59	2.20	3.95	4.31	2.29	2.33
Lao PDR	Vientian	*LA*	*11051*				2.07	2.65	1.01
Malaysia	Petaling Jaya	*MY*	*11029*	2.08	2.13	2.81	2.32	2.26	2.12
	Tanah Rata	*MY*	*11030*	0.73	0.54	0.59	0.61	0.76	0.68
	Danum Valley	*MY*	*11053*						0.56
Mongolia	Ulaanbaatar	*MN*	*11031*	1.79	1.91	2.20	1.56	1.68	1.87
	Terelj	*MN*	*11032*	1.28	0.93	1.93	1.05	1.12	1.18
Philippines	Metro Manila	*PH*	*11033*	2.20	6.49	1.85	1.36	1.48	1.66
	Los Banos	*PH*	*11034*	1.13	2.08	1.22	1.99	0.80	1.01
Republic	Kanghwa	*KR*	*11035*	2.50	1.98	2.68	2.54	3.25	4.14
of Korea	Cheju (Kosan)	*KR*	*11036*	3.37	2.56	3.03	2.22	2.45	3.43
	Imsil	*KR*	*11037*		1.31	1.80	1.42	1.42	1.72
Russia	Mondy	*RU*	*11038*	0.58	0.68	0.96	0.59	0.54	0.49
	Listvyanka	*RU*	*11039*	1.04	0.95	1.39	1.36	1.30	1.19
	Irkutsk	*RU*	*11040*	1.71	1.79	2.10	1.67	1.80	1.66
	Primorskaya	*RU*	*11041*			1.77	2.66	2.20	2.03
Thailand	Bangkok	*TH*	*11042*	1.64	1.50	1.32	1.67	1.25	1.66
	Samutprakarn	*TH*	*11043*	1.52				1.01	1.30
	Patumthani	*TH*	*11044*	1.48	1.80	1.07	1.24	1.47	1.31
	Khanchanaburi	*TH*	*11045*	0.52	0.56	0.51	0.35	0.41	0.32
	Chiang Mai (Mae Hia)	*TH*	*11046*		0.88	0.48	0.46	0.49	0.81
Viet Nam	Hanoi	*VN*	*11047*	1.55	0.92	1.52	1.70	1.85	2.75
	Hoa Binh	*VN*	*11048*	1.15	1.04	1.06	1.12	1.48	1.15

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.71 **Annual SO_4^{2-} deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					***	7.43
China	Guanyinqiao	*CN*	*11001*	164	154	165	108	229	200
	Nanshan	*CN*	*11002*	164					
	Jinyunshan	*CN*	*11003*		87.7	126	103	166	149
	Shizhan	*CN*	*11004*	199	171	297	258	104	63.9
	Weishuiyuan	*CN*	*11005*	241	105	234	186	94.2	47.1
	Dabagou	*CN*	*11006*	117					
	Jiwozi	*CN*	*11007*		68.0	43.2	55.3	56.3	42.8
	Hongwen	*CN*	*11008*	30.7	16.7	67.0	48.0	73.6	80.4
	Xiaoping	*CN*	*11009*	22.8	49.1	36.3	41.7	53.3	59.0
	Xiang Zhou	*CN*	*11010*	45.5	31.2	48.3	35.3	25.0	28.0
	Zhuxian Cavern	*CN*	*11011*	85.4	49.5	50.6	32.4	34.3	31.3
Indonesia	Jakarta	*ID*	*11012*	92.7	77.5	60.5	108	71.4	85.6
	Serpong	*ID*	*11014*	***	61.4	64.3	49.5	41.0	27.5
	Kototabang	*ID*	*11013*	8.65	5.66	13.4	28.7	11.0	12.1
	Bandung	*ID*	*11015*	60.2	87.8	70.4	32.8	24.8	61.7
Japan	Rishiri	*JP*	*11016*	30.0	19.1	26.1	16.6	27.0	26.8
	Ochiishi	*JP*	*11050*				14.9	22.3	18.6
	Tappi	*JP*	*11017*	22.9	24.7	30.2	25.1	38.6	36.8
	Sado-seki	*JP*	*11019*	36.8	39.8	40.4	18.6	27.2	39.1
	Happo	*JP*	*11021*	29.2	27.4	19.8	18.5	28.2	35.8
	Ijira	*JP*	*11022*	53.3	49.1	52.2	56.7	48.0	48.5
	Oki	*JP*	*11023*	49.0	42.1	55.4	34.3	41.3	73.2
	Banryu	*JP*	*11024*	24.4	33.9	24.8	30.5	34.4	34.6
	Yusuhara	*JP*	*11025*	31.0	19.0	26.2	26.5	26.7	28.0
	Hedo	*JP*	*11027*	93.6	33.9	75.0	49.0	137	64.1
	Ogasawara	*JP*	*11018*	22.6	20.7	24.1	25.2	12.5	26.9
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	80.4	68.4	63.1	63.9	54.5	66.4
	Tanah Rata	*MY*	*11030*	12.9	9.79	12.8	11.4	9.74	16.1
	Danum Valley	*MY*	*11053*						5.53
Mongolia	Ulaanbaatar	*MN*	*11031*	4.78	4.17	4.41	5.80	1.84	4.01
	Terelj	*MN*	*11032*	3.41	0.86	3.72	2.57	2.75	4.29
Philippines	Metro Manila	*PH*	*11033*	94.4	85.5	78.2	37.6	44.0	57.1
	Los Banos	*PH*	*11034*	27.7	28.4	27.3	11.4	14.7	16.2
Republic of Korea	Kanghwa	*KR*	*11035*	35.3	28.5	28.4	41.1	39.3	37.9
	Cheju (Kosan)	*KR*	*11036*	24.5	23.0	28.5	29.3	26.8	24.0
	Imsil	*KR*	*11037*		21.3	22.7	30.6	19.9	28.4
Russia	Mondy	*RU*	*11038*	2.19	3.51	2.20	3.48	2.46	1.54
	Listvyanka	*RU*	*11039*	6.79	6.60	6.56	10.3	10.6	7.80
	Irkutsk	*RU*	*11040*	16.1	13.9	10.3	12.0	14.7	12.3
	Primorskaya	*RU*	*11041*			24.2	13.9	25.7	28.2
Thailand	Bangkok	*TH*	*11042*	24.8	21.3	24.2	25.6	19.8	39.1
	Samutprakarn	*TH*	*11043*	25.0				20.7	31.1
	Patumthani	*TH*	*11044*	18.7	23.2	14.2	20.5	17.1	16.7
	Khanchanaburi	*TH*	*11045*	3.21	7.91	12.4	5.78	4.71	5.72
	Chiang Mai (Mae Hia)	*TH*	*11046*		3.02	6.57	3.34	7.95	8.43
Viet Nam	Hanoi	*VN*	*11047*	37.9	31.5	47.8	47.7	58.3	90.6
	Hoa Binh	*VN*	*11048*	30.8	32.6	30.5	38.0	53.9	40.6

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.72 **Annual nss-SO_4^{2-} deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					***	***
China	Guanyinqiao	*CN*	*11001*	163	154	164	108	228	200
	Nanshan	*CN*	*11002*	164					
	Jinyunshan	*CN*	*11003*		87.3	125	102	165	148
	Shizhan	*CN*	*11004*	198	167	291	253	103	63.4
	Weishuiyuan	*CN*	*11005*	239	104	231	177	93.5	46.6
	Dabagou	*CN*	*11006*	116					
	Jiwozi	*CN*	*11007*		66.0	41.7	51.6	54.7	41.5
	Hongwen	*CN*	*11008*	28.5	16.5	61.8	45.3	70.3	75.1
	Xiaoping	*CN*	*11009*	22.0	47.2	34.1	39.0	51.8	57.3
	Xiang Zhou	*CN*	*11010*	40.3	29.1	44.0	31.6	22.4	25.3
	Zhuxian Cavern	*CN*	*11011*	82.4	46.2	46.3	28.8	30.4	27.7
Indonesia	Jakarta	*ID*	*11012*	87.7	74.6	57.3	105	68.2	82.7
	Serpong	*ID*	*11014*	***	59.1	60.5	48.0	39.3	26.7
	Kototabang	*ID*	*11013*	***	5.33	12.7	26.9	9.66	11.3
	Bandung	*ID*	*11015*	***	84.6	69.1	32.1	24.2	60.5
Japan	Rishiri	*JP*	*11016*	14.9	11.2	14.9	9.1	13.9	15.0
	Ochiishi	*JP*	*11050*				5.84	8.33	8.28
	Tappi	*JP*	*11017*	13.5	16.0	17.1	15.4	21.0	20.6
	Sado-seki	*JP*	*11019*	20.2	18.9	18.8	12.3	14.7	19.2
	Happo	*JP*	*11021*	28.1	26.6	19.3	17.8	27.1	34.5
	Ijira	*JP*	*11022*	50.1	45.1	47.6	54.3	43.6	46.3
	Oki	*JP*	*11023*	20.4	18.4	21.2	16.4	16.8	25.3
	Banryu	*JP*	*11024*	21.7	25.5	18.6	22.0	22.5	27.5
	Yusuhara	*JP*	*11025*	28.4	17.6	22.1	24.0	20.9	24.5
	Hedo	*JP*	*11027*	17.1	13.8	15.1	15.7	43.4	23.1
	Ogasawara	*JP*	*11018*	6.22	9.23	5.25	5.71	4.02	15.0
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	79.3	67.7	62.3	62.9	53.5	65.3
	Tanah Rata	*MY*	*11030*	12.5	9.49	12.6	11.1	9.48	14.9
	Danum Valley	*MY*	*11053*						5.19
Mongolia	Ulaanbaatar	*MN*	*11031*	4.69	4.08	4.34	5.73	1.81	3.95
	Terelj	*MN*	*11032*	3.33	0.78	3.51	2.49	2.67	4.12
Philippines	Metro Manila	*PH*	*11033*	87.0	52.0	75.6	35.2	41.9	54.8
	Los Banos	*PH*	*11034*	22.4	23.9	25.1	10.0	13.4	14.5
Republic of Korea	Kanghwa	*KR*	*11035*	31.6	25.6	26.0	38.6	37.6	36.3
	Cheju (Kosan)	*KR*	*11036*	14.8	18.0	24.9	25.6	22.9	20.4
	Imsil	*KR*	*11037*		20.1	20.4	28.0	18.6	26.8
Russia	Mondy	*RU*	*11038*	2.16	3.46	2.17	3.42	2.43	1.51
	Listvyanka	*RU*	*11039*	6.67	6.50	6.47	10.1	10.4	7.72
	Irkutsk	*RU*	*11040*	15.8	13.6	10.2	11.8	14.5	12.1
	Primorskaya	*RU*	*11041*			23.0	13.3	24.8	27.2
Thailand	Bangkok	*TH*	*11042*	24.4	20.7	22.9	24.9	19.1	37.6
	Samutprakarn	*TH*	*11043*	24.4				19.5	29.1
	Patumthani	*TH*	*11044*	18.1	22.5	13.7	20.1	16.6	16.2
	Khanchanaburi	*TH*	*11045*	2.72	6.89	11.2	4.81	3.96	4.89
	Chiang Mai (Mae Hia)	*TH*	*11046*		2.78	5.78	3.21	7.74	8.36
Viet Nam	Hanoi	*VN*	*11047*	36.5	30.0	47.3	46.9	57.5	88.7
	Hoa Binh	*VN*	*11048*	29.4	31.3	30.3	37.8	53.5	39.6

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.73 **Annual NO_3^- deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					3.22	***
China	Guanyinqiao	*CN*	*11001*	45.5	39.7	49.7	38.4	60.9	44.5
	Nanshan	*CN*	*11002*	52.4					
	Jinyunshan	*CN*	*11003*		28.6	47.3	42.5	55.9	50.2
	Shizhan	*CN*	*11004*	48.6	55.8	52.2	86.6	37.1	6.16
	Weishuiyuan	*CN*	*11005*	42.9	14.5	39.0	70.5	32.4	5.01
	Dabagou	*CN*	*11006*	24.1					
	Jiwozi	*CN*	*11007*		29.3	12.7	26.2	26.9	3.37
	Hongwen	*CN*	*11008*	28.4	11.2	48.2	43.7	53.1	63.4
	Xiaoping	*CN*	*11009*	22.8	50.1	32.0	39.9	38.5	52.9
	Xiang Zhou	*CN*	*11010*	31.8	28.0	30.9	36.0	29.6	20.3
	Zhuxian Cavern	*CN*	*11011*	59.6	57.1	32.9	20.2	31.9	22.8
Indonesia	Jakarta	*ID*	*11012*	27.8	66.4	44.3	94.5	114	115
	Serpong	*ID*	*11014*	***	81.4	81.6	66.1	58.0	32.5
	Kototabang	*ID*	*11013*	14.4	3.32	10.1	154	9.94	3.46
	Bandung	*ID*	*11015*	30.7	70.0	66.7	32.7	25.2	33.5
Japan	Rishiri	*JP*	*11016*	13.9	11.1	12.9	8.65	11.0	12.1
	Ochiishi	*JP*	*11050*				6.22	8.78	7.65
	Tappi	*JP*	*11017*	13.5	16.5	22.5	19.4	24.0	22.5
	Sado-seki	*JP*	*11019*	19.5	21.6	21.4	15.7	17.3	21.3
	Happo	*JP*	*11021*	24.3	20.8	18.2	16.2	24.7	28.6
	Ijira	*JP*	*11022*	64.8	48.5	57.8	64.5	52.6	61.9
	Oki	*JP*	*11023*	22.4	19.5	23.7	20.7	24.0	28.7
	Banryu	*JP*	*11024*	21.7	31.1	25.0	27.9	27.0	32.8
	Yusuhara	*JP*	*11025*	19.7	14.2	19.8	19.7	20.9	21.8
	Hedo	*JP*	*11027*	16.7	14.0	19.3	13.2	23.8	19.6
	Ogasawara	*JP*	*11018*	4.73	6.67	3.61	6.55	4.30	6.58
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	92.9	73.2	97.9	100	89.4	102
	Tanah Rata	*MY*	*11030*	10.4	8.90	16.7	14.1	11.1	17.4
	Danum Valley	*MY*	*11053*						3.14
Mongolia	Ulaanbaatar	*MN*	*11031*	3.91	3.43	4.23	4.62	1.32	2.83
	Terelj	*MN*	*11032*	3.65	0.81	4.45	3.87	3.34	2.89
Philippines	Metro Manila	*PH*	*11033*	48.9	42.5	52.3	28.8	33.4	51.1
	Los Banos	*PH*	*11034*	14.3	25.3	14.0	7.84	10.6	16.2
Republic of Korea	Kanghwa	*KR*	*11035*	47.4	32.6	27.0	42.9	36.1	36.5
	Cheju (Kosan)	*KR*	*11036*	16.2	20.5	24.4	29.7	27.9	19.2
	Imsil	*KR*	*11037*		20.2	31.8	31.7	24.8	32.9
Russia	Mondy	*RU*	*11038*	3.04	3.38	2.75	2.78	2.44	1.44
	Listvyanka	*RU*	*11039*	8.25	7.26	8.99	16.1	10.9	5.34
	Irkutsk	*RU*	*11040*	11.2	8.61	6.59	8.15	9.48	7.25
	Primorskaya	*RU*	*11041*			8.51	4.97	14.8	15.9
Thailand	Bangkok	*TH*	*11042*	24.8	21.0	32.0	31.9	19.3	46.6
	Samutprakarn	*TH*	*11043*	15.1				12.3	29.1
	Patumthani	*TH*	*11044*	17.8	26.5	17.6	28.4	23.4	24.8
	Khanchanaburi	*TH*	*11045*	5.06	10.2	13.3	7.96	6.65	5.11
	Chiang Mai (Mae Hia)	*TH*	*11046*		4.47	9.78	5.27	7.04	12.0
Viet Nam	Hanoi	*VN*	*11047*	20.2	11.4	21.4	39.4	39.7	54.3
	Hoa Binh	*VN*	*11048*	18.3	19.5	32.8	22.6	36.4	29.5

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.74 **Annual Cl^- deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					***	8.12
China	Guanyinqiao	*CN*	*11001*	25.9	22.4	22.5	16.0	20.3	19.7
	Nanshan	*CN*	*11002*	19.7					
	Jinyunshan	*CN*	*11003*		40.3	20.8	12.6	19.5	22.6
	Shizhan	*CN*	*11004*	27.4	29.6	122	106	21.7	17.5
	Weishuiyuan	*CN*	*11005*	41.0	19.3	66.0	129	18.3	16.0
	Dabagou	*CN*	*11006*	26.8					
	Jiwozi	*CN*	*11007*		20.7	26.2	42.8	15.1	13.9
	Hongwen	*CN*	*11008*	48.6	10.6	67.3	66.7	64.1	112
	Xiaoping	*CN*	*11009*	32.4	77.3	19.9	41.6	32.5	34.9
	Xiang Zhou	*CN*	*11010*	101	75.2	119	81.8	48.8	77.6
	Zhuxian Cavern	*CN*	*11011*	70.2	71.2	94.1	70.5	75.1	55.9
Indonesia	Jakarta	*ID*	*11012*	33.9	48.2	44.2	84.4	57.4	88.4
	Serpong	*ID*	*11014*	***	51.8	57.6	58.2	34.8	16.3
	Kototabang	*ID*	*11013*	15.8	7.97	30.1	87.0	24.8	15.6
	Bandung	*ID*	*11015*	93.7	65.1	51.5	20.9	15.6	25.5
Japan	Rishiri	*JP*	*11016*	286	145	207	142	242	224
	Ochiishi	*JP*	*11050*				178	266	191
	Tappi	*JP*	*11017*	187	169	253	178	341	310
	Sado-seki	*JP*	*11019*	292	367	439	121	236	385
	Happo	*JP*	*11021*	23.4	20.7	13.0	17.9	27.0	26.1
	Ijira	*JP*	*11022*	61.8	73.0	88.2	56.6	94.2	43.3
	Oki	*JP*	*11023*	543	448	658	321	453	914
	Banryu	*JP*	*11024*	48.5	154.6	115.9	162	232	142
	Yusuhara	*JP*	*11025*	52.4	25.6	74.6	45.4	112	69.4
	Hedo	*JP*	*11027*	1500	373	1200	628	1750	869
	Ogasawara	*JP*	*11018*	325	222	370	400	162	235
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	29.1	23.2	19.5	28.1	22.2	25.0
	Tanah Rata	*MY*	*11030*	21.3	7.87	6.29	7.19	5.86	7.61
	Danum Valley	*MY*	*11053*						7.54
Mongolia	Ulaanbaatar	*MN*	*11031*	1.76	1.60	1.37	2.27	0.67	1.17
	Terelj	*MN*	*11032*	1.86	0.77	2.80	2.06	1.85	2.44
Philippines	Metro Manila	*PH*	*11033*	103	264	55.9	53.5	52.0	33.7
	Los Banos	*PH*	*11034*	87.1	62.7	41.9	26.1	24.9	29.7
Republic	Kanghwa	*KR*	*11035*	61.4	48.6	35.5	96.4	48.9	45.5
of Korea	Cheju (Kosan)	*KR*	*11036*	222	125	85.3	88.4	88.9	73.1
	Imsil	*KR*	*11037*		37.3	36.7	71.5	32.2	54.9
Russia	Mondy	*RU*	*11038*	0.79	0.46	1.81	1.25	0.99	1.69
	Listvyanka	*RU*	*11039*	2.22	1.07	2.45	2.23	2.72	2.43
	Irkutsk	*RU*	*11040*	6.19	5.72	5.45	8.07	4.71	5.47
	Primorskaya	*RU*	*11041*			28.3	11.5	14.7	16.0
Thailand	Bangkok	*TH*	*11042*	14.4	11.1	18.0	12.0	13.7	24.7
	Samutprakarn	*TH*	*11043*	12.6				16.2	30.9
	Patumthani	*TH*	*11044*	10.0	10.5	11.0	10.6	13.9	9.04
	Khanchanaburi	*TH*	*11045*	15.5	15.1	30.9	14.3	13.9	15.9
	Chiang Mai (Mae Hia)	*TH*	*11046*		4.91	14.8	3.81	4.40	6.01
Viet Nam	Hanoi	*VN*	*11047*	30.5	61.2	13.5	33.7	23.2	47.9
	Hoa Binh	*VN*	*11048*	38.4	49.2	11.3	11.7	21.6	30.9

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.75 **Annual NH_4^+ deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					4.51	21.3
China	Guanyinqiao	*CN*	*11001*	174	158	173	131	189	169
	Nanshan	*CN*	*11002*	132					
	Jinyunshan	*CN*	*11003*		79.1	134	106	160	154
	Shizhan	*CN*	*11004*	235	92.8	70.7	183	87.5	39.3
	Weishuiyuan	*CN*	*11005*	190	24.5	74.1	188	70.5	28.2
	Dabagou	*CN*	*11006*	165					
	Jiwozi	*CN*	*11007*		35.7	10.1	50.5	37.8	13.7
	Hongwen	*CN*	*11008*	47.9	19.2	69.3	38.3	48.8	60.2
	Xiaoping	*CN*	*11009*	31.0	88.9	67.5	67.5	74.4	94.0
	Xiang Zhou	*CN*	*11010*	41.7	49.8	166	58.7	67.9	121
	Zhuxian Cavern	*CN*	*11011*	90.7	77.8	76.5	52.5	75.9	27.8
Indonesia	Jakarta	*ID*	*11012*	122	81.9	49.8	33.6	32.8	26.4
	Serpong	*ID*	*11014*	***	109	115	96.4	61.9	36.8
	Kototabang	*ID*	*11013*	2.66	2.88	9.21	5.78	25.9	20.7
	Bandung	*ID*	*11015*	29.3	98.8	75.9	52.6	32.9	62.6
Japan	Rishiri	*JP*	*11016*	26.2	16.0	19.2	12.9	16.2	18.1
	Ochiishi	*JP*	*11050*				5.98	7.64	6.17
	Tappi	*JP*	*11017*	10.1	13.8	19.6	18.6	22.9	19.6
	Sado-seki	*JP*	*11019*	18.1	19.2	20.7	17.6	15.5	20.9
	Happo	*JP*	*11021*	31.0	25.3	20.2	15.7	25.6	32.3
	Ijira	*JP*	*11022*	63.8	39.4	60.4	53.6	50.2	52.1
	Oki	*JP*	*11023*	23.5	18.4	19.5	14.1	15.3	20.8
	Banryu	*JP*	*11024*	18.2	24.6	23.4	21.9	19.5	28.1
	Yusuhara	*JP*	*11025*	14.2	10.7	17.8	17.1	19.0	20.6
	Hedo	*JP*	*11027*	21.0	9.52	37.6	15.2	30.6	23.6
	Ogasawara	*JP*	*11018*	4.62	8.70	7.18	5.07	5.96	7.10
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	149	179	43.0	37.1	39.4	57.3
	Tanah Rata	*MY*	*11030*	129	93.0	11.2	6.92	5.77	8.13
	Danum Valley	*MY*	*11053*						2.55
Mongolia	Ulaanbaatar	*MN*	*11031*	10.2	8.28	13.0	14.1	3.86	8.18
	Terelj	*MN*	*11032*	9.20	2.70	16.2	9.86	7.37	8.87
Philippines	Metro Manila	*PH*	*11033*	143	177	137	52.2	76.6	71.0
	Los Banos	*PH*	*11034*	35.9	40.7	58.8	23.3	24.3	24.7
Republic of Korea	Kanghwa	*KR*	*11035*	42.0	42.7	33.0	90.6	66.4	53.8
	Cheju (Kosan)	*KR*	*11036*	21.3	36.0	44.0	54.1	40.4	21.6
	Imsil	*KR*	*11037*		54.9	41.9	61.0	34.0	40.5
Russia	Mondy	*RU*	*11038*	3.47	7.08	6.89	6.00	4.03	2.79
	Listvyanka	*RU*	*11039*	7.29	5.34	9.66	11.3	6.74	7.50
	Irkutsk	*RU*	*11040*	17.2	11.7	13.0	19.2	15.1	15.6
	Primorskaya	*RU*	*11041*			30.0	12.6	21.0	30.7
Thailand	Bangkok	*TH*	*11042*	47.4	42.5	60.9	51.9	45.8	87.1
	Samutprakarn	*TH*	*11043*	31.1				43.5	60.8
	Patumthani	*TH*	*11044*	36.6	47.9	32.4	48.2	33.2	39.6
	Khanchanaburi	*TH*	*11045*	6.03	16.7	24.0	20.3	11.7	10.1
	Chiang Mai (Mae Hia)	*TH*	*11046*		17.1	27.3	12.8	18.1	30.1
Viet Nam	Hanoi	*VN*	*11047*	34.5	45.7	78.6	87.4	83.0	174
	Hoa Binh	*VN*	*11048*	15.2	27.8	45.9	48.5	75.0	68.5

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.76 **Annual Na^+ deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					***	***
China	Guanyinqiao	*CN*	*11001*	12.8	8.11	8.01	4.85	10.1	8.99
	Nanshan	*CN*	*11002*	9.73					
	Jinyunshan	*CN*	*11003*		7.25	9.48	6.15	18.7	22.3
	Shizhan	*CN*	*11004*	24.7	59.8	85.7	88.1	11.5	8.18
	Weishuiyuan	*CN*	*11005*	30.8	15.1	48.0	147	10.9	9.01
	Dabagou	*CN*	*11006*	19.8					
	Jiwozi	*CN*	*11007*		33.1	24.2	62.2	25.5	21.6
	Hongwen	*CN*	*11008*	36.1	3.20	87.2	45.2	53.7	87.4
	Xiaoping	*CN*	*11009*	13.6	31.7	35.6	43.6	25.5	28.3
	Xiang Zhou	*CN*	*11010*	85.4	49.0	71.9	67.5	96.6	52.0
	Zhuxian Cavern	*CN*	*11011*	55.5	70.7	71.4	63.2	120	64.7
Indonesia	Jakarta	*ID*	*11012*	82.6	48.8	55.6	43.8	54.6	49.4
	Serpong	*ID*	*11014*	***	38.2	63.2	24.2	28.7	13.2
	Kototabang	*ID*	*11013*	***	5.46	11.3	30.2	23.0	12.5
	Bandung	*ID*	*11015*	***	52.7	22.0	11.4	9.66	20.9
Japan	Rishiri	*JP*	*11016*	250	130	188	125	217	195
	Ochiishi	*JP*	*11050*				155	233	171
	Tappi	*JP*	*11017*	156	145	219	162	292	270
	Sado-seki	*JP*	*11019*	275	345	384	106	208	332
	Happo	*JP*	*11021*	17.2	14.6	8.85	11.8	18.4	21.1
	Ijira	*JP*	*11022*	53.5	66.4	75.6	39.4	74.0	34.9
	Oki	*JP*	*11023*	479	394	570	296	416	791
	Banryu	*JP*	*11024*	45.2	139.9	103.5	142	197	119
	Yusuhara	*JP*	*11025*	42.6	24.5	67.8	40.7	95.8	58.5
	Hedo	*JP*	*11027*	1320	341	1050	599	1550	800
	Ogasawara	*JP*	*11018*	277	189	314	351	146	199
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	17.0	11.4	13.5	17.0	17.0	18.9
	Tanah Rata	*MY*	*11030*	5.94	5.05	4.56	5.70	4.42	19.2
	Danum Valley	*MY*	*11053*						5.59
Mongolia	Ulaanbaatar	*MN*	*11031*	1.55	1.51	1.12	1.14	0.48	1.08
	Terelj	*MN*	*11032*	1.34	1.41	4.15	1.40	1.31	2.83
Philippines	Metro Manila	*PH*	*11033*	123	470	43.3	40.5	35.3	37.9
	Los Banos	*PH*	*11034*	91.7	67.6	35.9	24.6	20.9	28.3
Republic	Kanghwa	*KR*	*11035*	62.9	47.5	40.6	40.0	28.5	27.3
of Korea	Cheju (Kosan)	*KR*	*11036*	161	83.2	59.3	60.3	64.9	59.3
	Imsil	*KR*	*11037*		20.0	38.3	42.7	21.6	27.0
Russia	Mondy	*RU*	*11038*	0.56	0.73	0.39	0.93	0.69	0.44
	Listvyanka	*RU*	*11039*	2.02	1.67	1.37	2.76	2.57	1.36
	Irkutsk	*RU*	*11040*	4.73	3.88	2.78	3.01	3.68	3.04
	Primorskaya	*RU*	*11041*			19.3	10.9	15.6	16.0
Thailand	Bangkok	*TH*	*11042*	7.95	9.78	20.94	10.6	12.3	25.6
	Samutprakarn	*TH*	*11043*	9.91				20.8	32.2
	Patumthani	*TH*	*11044*	10.4	10.9	9.15	7.84	8.72	8.32
	Khanchanaburi	*TH*	*11045*	8.55	17.1	18.3	16.7	12.5	13.7
	Chiang Mai (Mae Hia)	*TH*	*11046*		4.27	14.2	2.60	3.52	1.31
Viet Nam	Hanoi	*VN*	*11047*	22.8	25.9	8.41	14.2	12.7	31.2
	Hoa Binh	*VN*	*11048*	24.1	21.8	3.34	3.98	7.16	17.0

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.77 **Annual K^+ deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					0.68	***
China	Guanyinqiao	*CN*	*11001*	15.3	14.0	15.3	10.9	15.1	13.4
	Nanshan	*CN*	*11002*	20.5					
	Jinyunshan	*CN*	*11003*		31.6	16.5	10.6	17.8	16.6
	Shizhan	*CN*	*11004*	14.8	15.3	14.1	23.9	5.75	7.85
	Weishuiyuan	*CN*	*11005*	15.5	5.19	17.8	26.5	5.25	5.52
	Dabagou	*CN*	*11006*	14.8					
	Jiwozi	*CN*	*11007*		9.11	5.99	13.0	8.65	10.0
	Hongwen	*CN*	*11008*	7.56	3.06	6.73	5.63	7.70	8.65
	Xiaoping	*CN*	*11009*	4.40	11.3	8.17	8.39	9.96	8.06
	Xiang Zhou	*CN*	*11010*	13.4	8.00	30.4	9.91	10.3	3.13
	Zhuxian Cavern	*CN*	*11011*	11.0	15.1	20.8	11.6	28.9	5.95
Indonesia	Jakarta	*ID*	*11012*	***	30.1	17.8	15.0	15.2	12.2
	Serpong	*ID*	*11014*	***	11.3	9.89	17.0	8.26	5.09
	Kototabang	*ID*	*11013*	***	1.59	9.16	62.6	13.2	9.57
	Bandung	*ID*	*11015*	***	32.7	5.19	6.63	2.95	8.15
Japan	Rishiri	*JP*	*11016*	7.66	3.71	4.86	3.47	5.68	4.89
	Ochiishi	*JP*	*11050*				3.62	5.23	4.34
	Tappi	*JP*	*11017*	3.82	3.55	5.41	3.97	7.28	6.19
	Sado-seki	*JP*	*11019*	6.80	7.95	9.30	2.78	5.48	7.60
	Happo	*JP*	*11021*	1.76	1.50	1.03	0.94	1.55	2.14
	Ijira	*JP*	*11022*	7.91	9.09	5.57	3.69	3.75	2.39
	Oki	*JP*	*11023*	12.7	10.9	15.0	8.70	13.6	20.4
	Banryu	*JP*	*11024*	2.12	4.89	3.76	4.36	5.25	4.76
	Yusuhara	*JP*	*11025*	2.15	1.05	2.37	1.30	3.72	2.27
	Hedo	*JP*	*11027*	26.3	7.57	24.3	14.0	43.7	20.2
	Ogasawara	*JP*	*11018*	7.10	7.37	8.21	7.82	3.59	4.68
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	6.06	4.39	3.37	9.25	4.91	6.99
	Tanah Rata	*MY*	*11030*	3.41	2.40	2.21	2.15	3.68	2.57
	Danum Valley	*MY*	*11053*						1.47
Mongolia	Ulaanbaatar	*MN*	*11031*	0.77	0.77	0.68	1.01	0.24	0.65
	Terelj	*MN*	*11032*	0.93	0.34	2.50	1.28	0.97	1.59
Philippines	Metro Manila	*PH*	*11033*	62.6	53.1	29.4	5.55	8.50	9.28
	Los Banos	*PH*	*11034*	4.58	17.3	10.9	2.94	3.74	3.62
Republic of Korea	Kanghwa	*KR*	*11035*	6.27	5.40	7.28	14.8	10.0	5.26
	Cheju (Kosan)	*KR*	*11036*	6.69	10.4	6.55	10.5	9.11	6.02
	Imsil	*KR*	*11037*		19.3	6.50	21.0	6.90	60.6
Russia	Mondy	*RU*	*11038*	0.36	0.66	0.47	0.66	0.96	0.30
	Listvyanka	*RU*	*11039*	2.06	0.86	0.80	1.42	1.30	0.52
	Irkutsk	*RU*	*11040*	2.34	3.45	0.70	1.20	1.50	1.50
	Primorskaya	*RU*	*11041*			4.47	3.25	5.01	5.21
Thailand	Bangkok	*TH*	*11042*	3.70	4.83	4.36	3.63	1.96	4.34
	Samutprakarn	*TH*	*11043*	5.17				6.15	7.99
	Patumthani	*TH*	*11044*	2.16	2.27	1.41	1.93	1.16	1.52
	Khanchanaburi	*TH*	*11045*	7.82	7.54	5.23	3.29	1.52	1.40
	Chiang Mai (Mae Hia)	*TH*	*11046*		3.19	6.49	3.19	1.62	1.02
Viet Nam	Hanoi	*VN*	*11047*	5.14	8.59	2.93	4.08	4.65	9.19
	Hoa Binh	*VN*	*11048*	6.74	5.19	2.40	2.50	3.06	8.29

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.78 **Annual Ca^{2+} deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					0.00	***
China	Guanyinqiao	*CN*	*11001*	68.1	103	94.5	64.5	153	168
	Nanshan	*CN*	*11002*	69.5					
	Jinyunshan	*CN*	*11003*		31.9	47.7	37.8	107	84.3
	Shizhan	*CN*	*11004*	128	246	167	329	88.5	54.4
	Weishuiyuan	*CN*	*11005*	136	80.0	143	313	88.3	39.9
	Dabagou	*CN*	*11006*	103					
	Jiwozi	*CN*	*11007*		89.5	39.1	140	89.7	46.7
	Hongwen	*CN*	*11008*	10.2	10.7	77.0	40.0	89.1	63.7
	Xiaoping	*CN*	*11009*	1.21	13.8	23.0	30.6	12.5	30.9
	Xiang Zhou	*CN*	*11010*	43.1	15.8	26.9	39.3	24.1	8.62
	Zhuxian Cavern	*CN*	*11011*	44.4	36.8	32.7	35.5	31.5	18.1
Indonesia	Jakarta	*ID*	*11012*	138	79.6	67.5	164	74.8	36.9
	Serpong	*ID*	*11014*	***	21.8	24.9	14.1	15.4	9.89
	Kototabang	*ID*	*11013*	9.28	1.73	8.84	17.3	14.7	7.42
	Bandung	*ID*	*11015*	***	63.0	43.4	17.5	16.3	27.7
Japan	Rishiri	*JP*	*11016*	10.6	6.21	9.73	5.49	8.13	7.32
	Ochiishi	*JP*	*11050*				4.49	7.92	7.37
	Tappi	*JP*	*11017*	6.68	6.25	12.0	8.02	11.4	13.3
	Sado-seki	*JP*	*11019*	12.5	15.4	13.0	5.72	7.23	11.6
	Happo	*JP*	*11021*	8.49	10.1	5.21	4.72	7.29	12.4
	Ijira	*JP*	*11022*	18.2	12.6	11.1	8.55	7.92	7.25
	Oki	*JP*	*11023*	19.4	16.1	18.1	11.0	16.7	24.4
	Banryu	*JP*	*11024*	6.6	10.7	7.0	5.95	9.20	7.57
	Yusuhara	*JP*	*11025*	7.55	7.09	4.17	4.04	7.32	5.55
	Hedo	*JP*	*11027*	29.3	10.4	28.5	15.1	40.3	25.1
	Ogasawara	*JP*	*11018*	10.1	9.81	11.5	11.2	3.93	5.25
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	23.4	19.4	19.8	23.8	15.1	17.3
	Tanah Rata	*MY*	*11030*	7.06	8.13	8.56	10.1	5.60	5.28
	Danum Valley	*MY*	*11053*						1.70
Mongolia	Ulaanbaatar	*MN*	*11031*	7.41	7.86	8.91	7.88	3.60	7.49
	Terelj	*MN*	*11032*	3.16	1.33	6.72	3.32	3.36	3.33
Philippines	Metro Manila	*PH*	*11033*	58.6	164	25.9	19.3	24.1	25.2
	Los Banos	*PH*	*11034*	18.3	119	12.3	12.5	9.41	5.82
Republic of Korea	Kanghwa	*KR*	*11035*	29.6	15.9	9.14	17.9	12.3	8.98
	Cheju (Kosan)	*KR*	*11036*	14.6	6.56	9.53	10.5	8.66	7.89
	Imsil	*KR*	*11037*		7.60	9.76	10.1	8.16	6.24
Russia	Mondy	*RU*	*11038*	1.76	2.24	1.74	1.55	1.92	1.19
	Listvyanka	*RU*	*11039*	5.66	3.58	4.11	7.70	7.80	3.72
	Irkutsk	*RU*	*11040*	14.9	16.3	9.53	10.9	12.1	9.53
	Primorskaya	*RU*	*11041*			15.1	8.16	14.9	15.6
Thailand	Bangkok	*TH*	*11042*	13.0	14.1	20.5	16.5	13.3	37.4
	Samutprakarn	*TH*	*11043*	10.8				9.88	15.7
	Patumthani	*TH*	*11044*	12.6	17.5	16.5	10.5	11.1	10.8
	Khanchanaburi	*TH*	*11045*	4.19	13.7	10.8	13.7	6.65	5.01
	Chiang Mai (Mae Hia)	*TH*	*11046*		7.53	26.5	4.62	5.50	5.36
Viet Nam	Hanoi	*VN*	*11047*	26.2	24.1	23.8	28.2	39.3	45.9
	Hoa Binh	*VN*	*11048*	24.8	23.1	20.5	20.2	36.4	32.6

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.79 **Annual nss-Ca^{2+} deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					***	***
China	Guanyinqiao	*CN*	*11001*	67.9	103	94.3	64.4	153	168
	Nanshan	*CN*	*11002*	69.3					
	Jinyunshan	*CN*	*11003*		31.7	47.5	37.7	107	83.9
	Shizhan	*CN*	*11004*	128	244	165	327	88.3	54.3
	Weishuiyuan	*CN*	*11005*	136	79.7	142	310	88.1	39.8
	Dabagou	*CN*	*11006*	102					
	Jiwozi	*CN*	*11007*		88.8	38.6	139	89.1	46.2
	Hongwen	*CN*	*11008*	9.59	10.7	75.1	39.0	88.0	61.8
	Xiaoping	*CN*	*11009*	0.94	13.1	22.3	29.6	12.0	30.3
	Xiang Zhou	*CN*	*11010*	41.3	14.8	25.3	37.9	22.0	7.62
	Zhuxian Cavern	*CN*	*11011*	43.2	35.3	31.1	34.1	28.9	16.7
Indonesia	Jakarta	*ID*	*11012*	136	78.5	66.3	163	73.8	35.9
	Serpong	*ID*	*11014*	***	21.0	23.5	13.7	14.7	9.60
	Kototabang	*ID*	*11013*	***	1.65	8.60	16.6	14.2	7.15
	Bandung	*ID*	*11015*	***	61.8	42.9	17.2	16.1	26.9
Japan	Rishiri	*JP*	*11016*	5.14	3.40	5.66	2.82	3.46	3.15
	Ochiishi	*JP*	*11050*				1.25	2.90	3.65
	Tappi	*JP*	*11017*	3.36	3.25	7.30	4.53	5.19	7.62
	Sado-seki	*JP*	*11019*	6.60	8.08	4.86	3.44	2.90	4.46
	Happo	*JP*	*11021*	8.12	9.80	5.02	4.46	6.91	12.0
	Ijira	*JP*	*11022*	17.0	11.1	9.45	7.71	6.39	6.49
	Oki	*JP*	*11023*	9.07	7.60	6.14	4.55	7.76	7.24
	Banryu	*JP*	*11024*	5.7	7.7	4.76	2.89	4.97	5.02
	Yusuhara	*JP*	*11025*	6.80	6.68	2.91	3.23	5.25	4.28
	Hedo	*JP*	*11027*	2.35	3.64	5.87	4.84	7.64	7.81
	Ogasawara	*JP*	*11018*	4.24	5.77	4.77	3.68	1.22	1.18
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	23.0	19.2	19.5	23.4	14.8	16.9
	Tanah Rata	*MY*	*11030*	6.93	8.02	8.46	9.95	5.51	4.92
	Danum Valley	*MY*	*11053*						1.58
Mongolia	Ulaanbaatar	*MN*	*11031*	7.38	7.83	8.88	7.85	3.59	7.46
	Terelj	*MN*	*11032*	3.13	1.30	6.46	3.29	3.33	3.27
Philippines	Metro Manila	*PH*	*11033*	56.0	154	25.0	18.5	23.4	24.4
	Los Banos	*PH*	*11034*	16.3	117	11.5	12.0	8.95	5.22
Republic of Korea	Kanghwa	*KR*	*11035*	28.2	14.9	8.27	17.0	11.7	8.39
	Cheju (Kosan)	*KR*	*11036*	11.1	4.79	8.28	9.16	7.25	6.61
	Imsil	*KR*	*11037*		7.16	8.93	9.18	7.70	5.65
Russia	Mondy	*RU*	*11038*	1.75	2.22	1.73	1.53	1.90	1.18
	Listvyanka	*RU*	*11039*	5.61	3.54	4.08	7.64	7.74	3.69
	Irkutsk	*RU*	*11040*	14.8	16.2	9.47	10.8	12.0	9.46
	Primorskaya	*RU*	*11041*			14.7	7.92	14.5	15.2
Thailand	Bangkok	*TH*	*11042*	12.9	13.9	20.0	16.2	13.0	36.8
	Samutprakarn	*TH*	*11043*	10.6				9.43	15.0
	Patumthani	*TH*	*11044*	12.3	17.3	16.3	10.3	11.0	10.6
	Khanchanaburi	*TH*	*11045*	4.02	13.4	10.4	13.4	6.38	4.72
	Chiang Mai (Mae Hia)	*TH*	*11046*		7.44	26.2	4.57	5.42	5.33
Viet Nam	Hanoi	*VN*	*11047*	25.7	23.5	23.6	27.8	39.1	45.2
	Hoa Binh	*VN*	*11048*	24.2	22.6	20.4	20.1	36.2	32.2

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.80 **Annual Mg^{2+} deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					0.00	***
China	Guanyinqiao	*CN*	*11001*	9.23	8.73	8.67	4.40	12.7	13.7
	Nanshan	*CN*	*11002*	8.87					
	Jinyunshan	*CN*	*11003*		4.09	5.41	3.56	5.39	4.63
	Shizhan	*CN*	*11004*	13.2	17.6	23.7	42.7	9.18	6.69
	Weishuiyuan	*CN*	*11005*	14.2	6.13	21.1	52.0	8.99	4.77
	Dabagou	*CN*	*11006*	12.1					
	Jiwozi	*CN*	*11007*		8.58	7.09	20.7	16.9	11.2
	Hongwen	*CN*	*11008*	6.40	1.86	15.1	7.76	12.2	15.4
	Xiaoping	*CN*	*11009*	2.07	6.77	3.50	7.15	2.81	3.35
	Xiang Zhou	*CN*	*11010*	14.1	5.83	9.56	12.3	8.51	8.10
	Zhuxian Cavern	*CN*	*11011*	14.1	8.56	11.2	12.9	10.8	9.65
Indonesia	Jakarta	*ID*	*11012*	346	85.3	20.7	20.6	9.25	7.72
	Serpong	*ID*	*11014*	***	5.67	11.3	5.76	5.84	3.09
	Kototabang	*ID*	*11013*	***	1.25	4.63	21.1	3.76	2.06
	Bandung	*ID*	*11015*	***	10.6	4.16	2.73	2.93	4.29
Japan	Rishiri	*JP*	*11016*	28.0	15.2	21.4	14.4	25.0	22.4
	Ochiishi	*JP*	*11050*				17.3	27.3	18.2
	Tappi	*JP*	*11017*	18.3	16.7	26.1	19.3	34.5	30.0
	Sado-seki	*JP*	*11019*	30.9	39.3	44.0	12.7	24.1	37.7
	Happo	*JP*	*11021*	3.66	3.73	2.42	3.06	3.90	3.59
	Ijira	*JP*	*11022*	7.75	8.93	9.34	6.42	9.43	4.51
	Oki	*JP*	*11023*	54.4	45.6	63.8	33.9	48.4	91.8
	Banryu	*JP*	*11024*	5.22	16.29	12.12	16.3	23.0	13.9
	Yusuhara	*JP*	*11025*	6.09	3.80	8.34	5.21	11.4	7.07
	Hedo	*JP*	*11027*	145	35.8	120	68.7	162	84.3
	Ogasawara	*JP*	*11018*	38.2	23.9	43.1	43.5	15.3	21.8
Lao PDR	Vientian	*LA*	*11051*				***	***	***
Malaysia	Petaling Jaya	*MY*	*11029*	4.74	4.02	3.79	2.15	2.66	2.40
	Tanah Rata	*MY*	*11030*	1.30	1.07	1.17	1.36	0.75	1.42
	Danum Valley	*MY*	*11053*						0.41
Mongolia	Ulaanbaatar	*MN*	*11031*	0.81	0.90	0.64	1.10	0.49	0.78
	Terelj	*MN*	*11032*	0.66	0.22	1.01	0.71	1.07	0.90
Philippines	Metro Manila	*PH*	*11033*	25.5	34.4	9.72	6.60	9.47	5.86
	Los Banos	*PH*	*11034*	9.78	20.1	5.00	4.18	6.25	3.84
Republic of Korea	Kanghwa	*KR*	*11035*	10.4	6.00	5.22	4.50	4.82	5.03
	Cheju (Kosan)	*KR*	*11036*	19.7	11.1	7.60	7.57	8.17	10.5
	Imsil	*KR*	*11037*		2.49	3.28	3.00	2.89	2.27
Russia	Mondy	*RU*	*11038*	0.33	0.47	0.45	0.32	0.46	0.27
	Listvyanka	*RU*	*11039*	1.30	0.88	1.10	1.97	1.76	0.72
	Irkutsk	*RU*	*11040*	2.66	2.60	1.71	1.97	2.64	2.24
	Primorskaya	*RU*	*11041*			4.73	3.60	4.87	4.18
Thailand	Bangkok	*TH*	*11042*	2.30	3.71	4.61	3.22	2.59	7.58
	Samutprakarn	*TH*	*11043*	2.33				2.36	5.57
	Patumthani	*TH*	*11044*	2.30	2.93	2.63	1.76	1.55	1.66
	Khanchanaburi	*TH*	*11045*	1.47	3.82	3.85	3.63	2.29	2.30
	Chiang Mai (Mae Hia)	*TH*	*11046*		1.19	5.22	1.68	2.10	1.43
Viet Nam	Hanoi	*VN*	*11047*	6.27	8.94	4.18	5.77	5.98	15.2
	Hoa Binh	*VN*	*11048*	8.84	8.25	2.31	3.62	4.62	9.59

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.81 **Annual H^+ deposition**

unit: mmol $m^{-2}y^{-1}$

Country	Name of sites	Code		2000	2001	2002	2003	2004	2005
Cambodia	Phnom Penh	*KH*	*11052*					2.01	0.63
China	Guanyinqiao	*CN*	*11001*	50.5	12.1	36.4	31.7	36.0	12.1
	Nanshan	*CN*	*11002*	76.2					
	Jinyunshan	*CN*	*11003*		46.5	70.1	62.0	39.3	34.7
	Shizhan	*CN*	*11004*	1.17	0.15	0.20	1.27	0.30	1.96
	Weishuiyuan	*CN*	*11005*	0.17	0.03	0.22	1.02	0.49	3.09
	Dabagou	*CN*	*11006*	3.14					
	Jiwozi	*CN*	*11007*		0.12	0.14	0.54	0.79	0.23
	Hongwen	*CN*	*11008*	29.0	8.75	25.4	44.8	20.6	33.8
	Xiaoping	*CN*	*11009*	19.1	33.8	72.9	73.2	48.3	48.1
	Xiang Zhou	*CN*	*11010*	14.2	22.7	13.5	13.6	22.1	32.2
	Zhuxian Cavern	*CN*	*11011*	40.8	43.0	20.3	13.8	29.6	25.9
Indonesia	Jakarta	*ID*	*11012*	10.4	4.68	26.5	11.3	30.0	104
	Serpong	*ID*	*11014*	***	38.0	56.6	51.6	30.5	21.1
	Kototabang	*ID*	*11013*	73.0	10.3	8.78	15.6	39.0	46.0
	Bandung	*ID*	*11015*	***	26.4	88.7	16.1	8.31	16.3
Japan	Rishiri	*JP*	*11016*	12.1	10.3	14.4	9.43	13.6	17.7
	Ochiishi	*JP*	*11050*				9.53	13.4	12.0
	Tappi	*JP*	*11017*	19.9	24.9	27.8	31.0	37.5	30.9
	Sado-seki	*JP*	*11019*	28.7	22.5	32.5	24.2	30.4	31.5
	Happo	*JP*	*11021*	40.6	34.1	30.7	30.5	43.0	47.6
	Ijira	*JP*	*11022*	80.7	82.9	80.5	115	75.8	79.4
	Oki	*JP*	*11023*	27.6	21.1	29.2	27.9	22.4	36.0
	Banryu	*JP*	*11024*	35.9	39.1	26.5	40.7	34.7	42.2
	Yusuhara	*JP*	*11025*	54.7	31.1	40.8	52.3	42.1	52.9
	Hedo	*JP*	*11027*	21.5	23.1	22.9	17.4	29.4	26.2
	Ogasawara	*JP*	*11018*	11.7	14.6	10.9	12.7	8.75	31.5
Lao PDR	Vientian	*LA*	*11051*				0.03	1.00	0.32
Malaysia	Petaling Jaya	*MY*	*11029*	153	173	157	158	142	123
	Tanah Rata	*MY*	*11030*	50.4	33.4	30.1	38.3	33.1	41.4
	Danum Valley	*MY*	*11053*						13.1
Mongolia	Ulaanbaatar	*MN*	*11031*	0.11	0.11	0.07	0.56	0.03	0.15
	Terelj	*MN*	*11032*	0.63	0.08	0.44	1.24	0.34	1.34
Philippines	Metro Manila	*PH*	*11033*	13.2	8.86	24.1	79.8	14.4	26.8
	Los Banos	*PH*	*11034*	9.58	5.41	3.07	52.2	9.54	11.9
Republic of Korea	Kanghwa	*KR*	*11035*	11.2	11.6	18.3	33.5	23.8	46.1
	Cheju (Kosan)	*KR*	*11036*	15.0	14.4	24.8	19.3	20.5	19.9
	Imsil	*KR*	*11037*		10.5	2.00	15.7	14.2	1.24
Russia	Mondy	*RU*	*11038*	1.68	1.00	0.83	1.83	1.64	1.24
	Listvyanka	*RU*	*11039*	3.78	5.42	4.74	5.24	6.67	6.62
	Irkutsk	*RU*	*11040*	4.15	2.49	2.86	1.94	6.74	3.36
	Primorskaya	*RU*	*11041*			5.26	4.27	10.0	6.39
Thailand	Bangkok	*TH*	*11042*	12.8	12.6	10.3	40.8	7.86	25.6
	Samutprakarn	*TH*	*11043*	14.5				4.29	5.55
	Patumthani	*TH*	*11044*	5.41	10.0	4.39	22.7	13.3	16.4
	Khanchanaburi	*TH*	*11045*	2.41	8.29	5.05	5.65	1.18	5.86
	Chiang Mai (Mae Hia)	*TH*	*11046*		2.10	2.79	2.00	2.93	8.50
Viet Nam	Hanoi	*VN*	*11047*	4.48	3.31	3.95	2.45	3.56	1.25
	Hoa Binh	*VN*	*11048*	14.7	20.2	10.6	7.02	4.61	4.63

[***]: No data or not measured

Data in hatched column: Rejected annual value by the criteria of EANET (%PCL<80% or %TP<80%)

Black column: Monitoring was not carried out

Table 3.82 Site Code

Country	Name of sites	Code
Cambodia	Phnom Penh	KH 11052
China	Guanyinqiao	CN 11001
	Nanshan	CN 11002
	Jinyunshan	CN 11003
	Shizhan	CN 11004
	Weishuiyuan	CN 11005
	Dabagou	CN 11006
	Jiwozi	CN 11007
	Hongwen	CN 11008
	Xiaoping	CN 11009
	Xiang Zhou	CN 11010
	Zhuxian Cavern	CN 11011
Indonesia	Jakarta	ID 11012
	Kototabang	ID 11013
	Serpong	ID 11014
	Bandung	ID 11015
Japan	Rishiri	JP 11016
	Ochiishi	JP 11050
	Tappi	JP 11017
	Sado-seki	JP 11019
	Happo	JP 11021
	Ijira	JP 11022
	Oki	JP 11023
	Banryu	JP 11024
	Yusuhara	JP 11025
	Hedo	JP 11027
	Ogasawara	JP 11018
	Sado	JP 11020
	Ashizuri	JP 11026
	Kunigami	JP 11028
Lao PDR	Vientian	LA 11051
Malaysia	Petaling Jaya	MY 11029
	Tanah Rata	MY 11030
	Danum Valley	MY 11053
Mongolia	Ulaanbaatar	MN 11031
	Terelj	MN 11032
Philippines	Metro Manila	PH 11033
	Los Banos	PH 11034
Republic of Koria	Kanghwa	KR 11035
	Cheju (Kosan)	KR 11036
	Imsil	KR 11037
Russia	Mondy	RU 11038
	Listvyanka	RU 11039
	Irkutsk	RU 11040
	Primorskaya	RU 11041
Thailand	Bangkok	TH 11042
	Samutprakarn	TH 11043
	Patumthani	TH 11044
	Khanchanaburi	TH 11045
	Chiang Mai (Mae Hia)	TH 11046
Viet Nam	Hanoi	VN 11047
	Hoa Binh	VN 11048

Including the sites working only for preparatory-phase activities

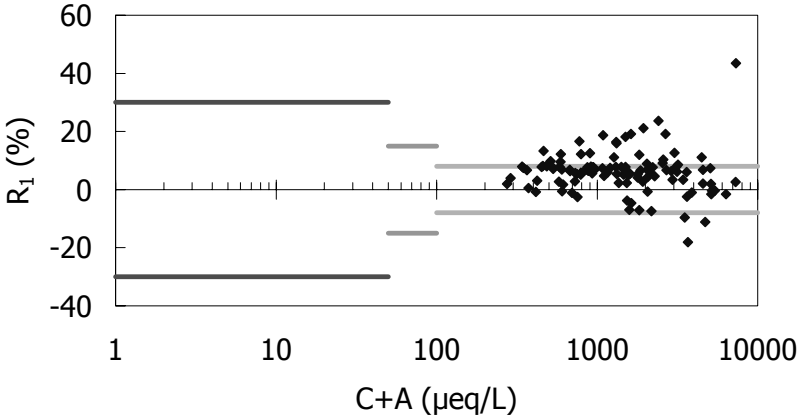


Fig. 3.2 a) Guanyinqiao Ion Balance (R_1)

Calculated including F^-

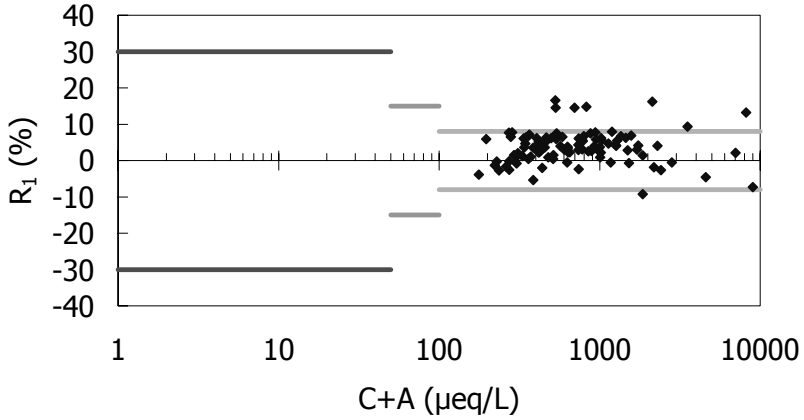


Fig. 3.3 a) Jinyunshan Ion Balance (R_1)

Calculated including F^-

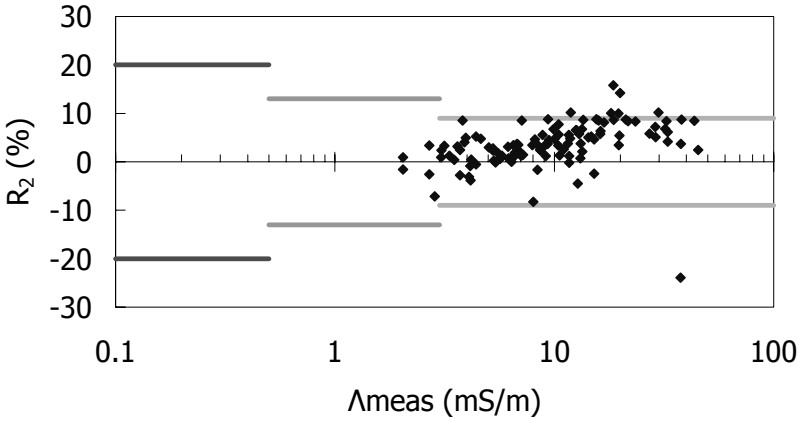


Fig. 3.2 b) Guanyinqiao Conductivity Agreement (R_2)

Calculated including F^-

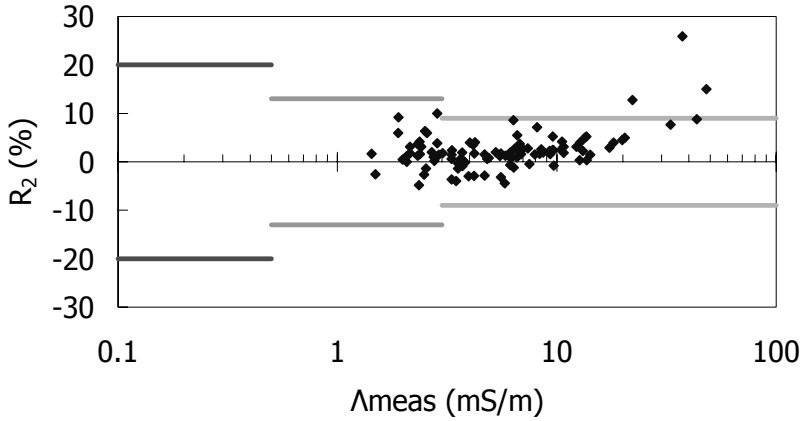


Fig 3.3 b) Jinyunshan Conductivity Agreement (R_2)

Calculated including F^-

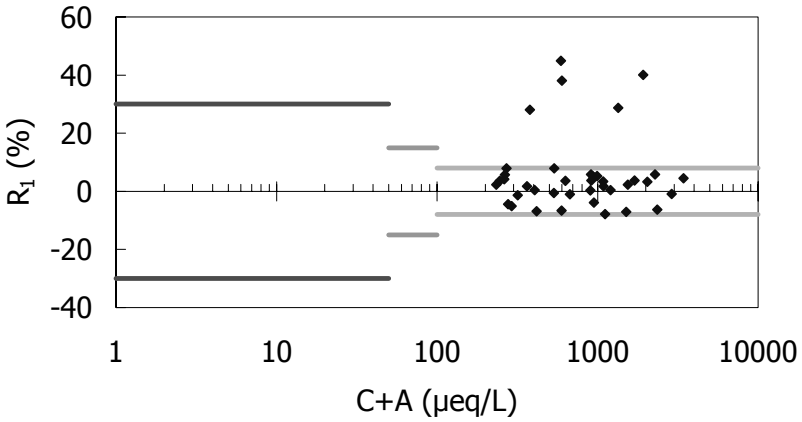


Fig. 3.4 a) Shizhan Ion Balance (R_1)

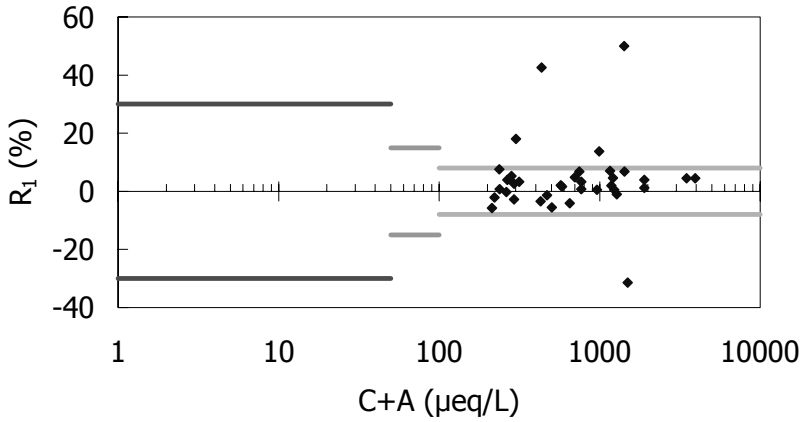


Fig. 3.5 a) Weishuiyuan Ion Balance (R_1)

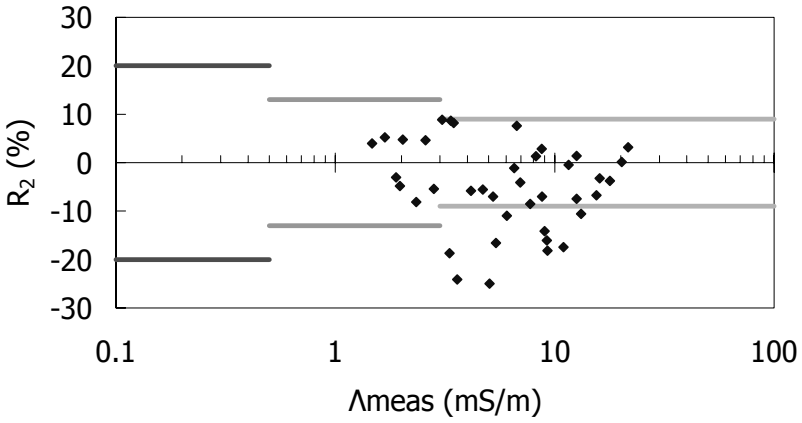


Fig. 3.4 b) Shizhan Conductivity Agreement (R_2)

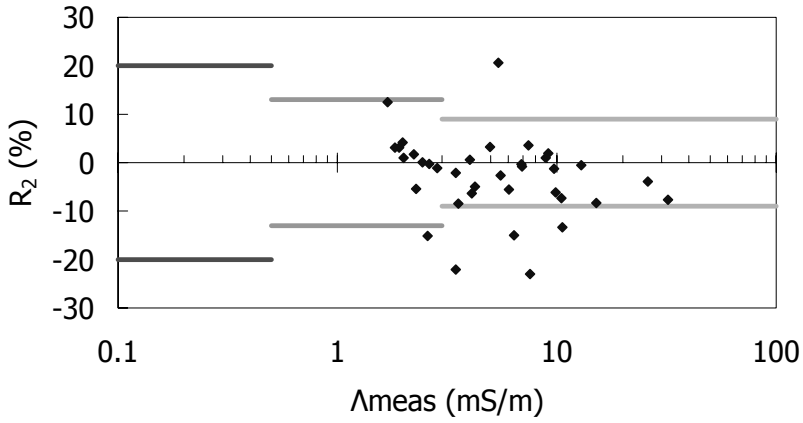


Fig 3.5 b) Weishuiyuan Conductivity Agreement (R_2)

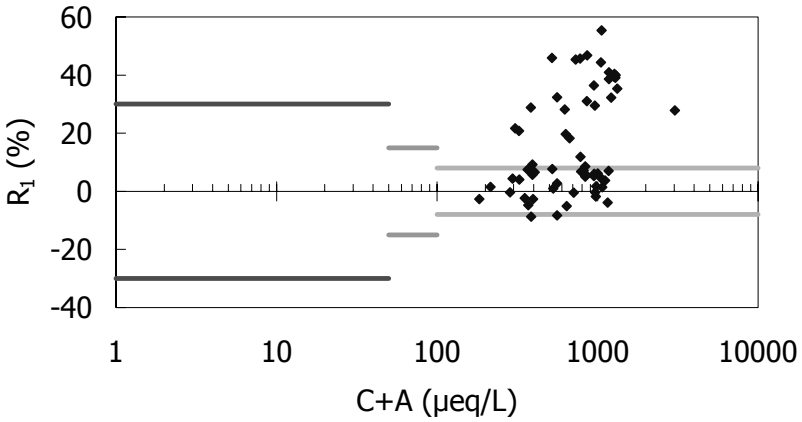


Fig. 3.6 a) Jiwozi Ion Balance (R_1)

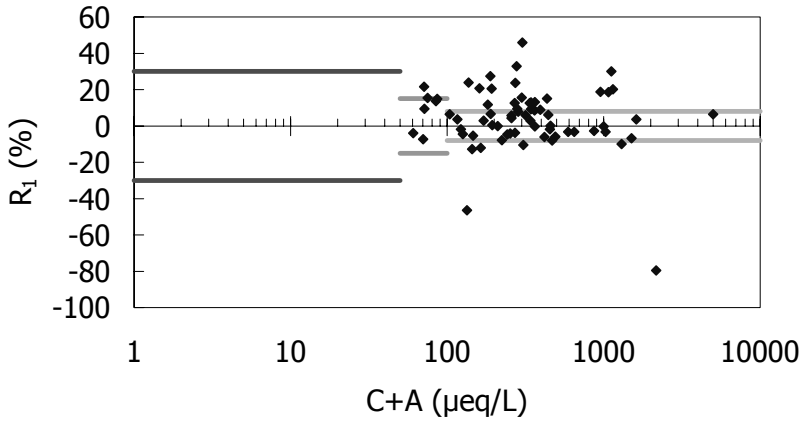


Fig. 3.7 a) Hongwen Ion Balance (R_1)

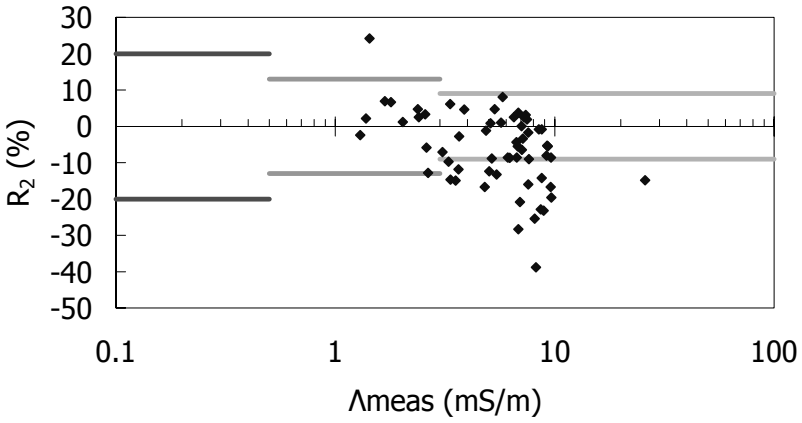


Fig. 3.6 b) Jiwozi Conductivity Agreement (R_2)

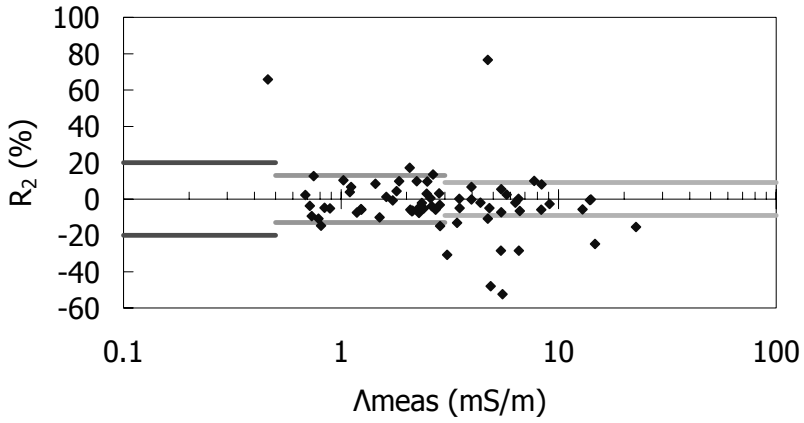


Fig 3.7 b) Hongwen Conductivity Agreement (R_2)

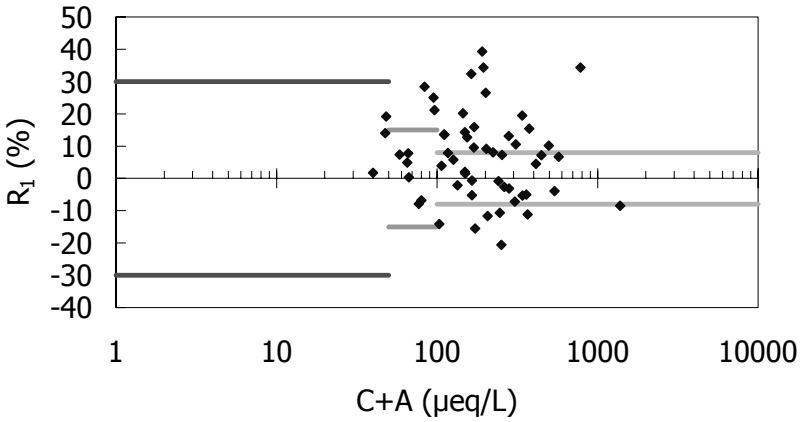


Fig. 3.8 a) Xiaoping Ion Balance (R_1)

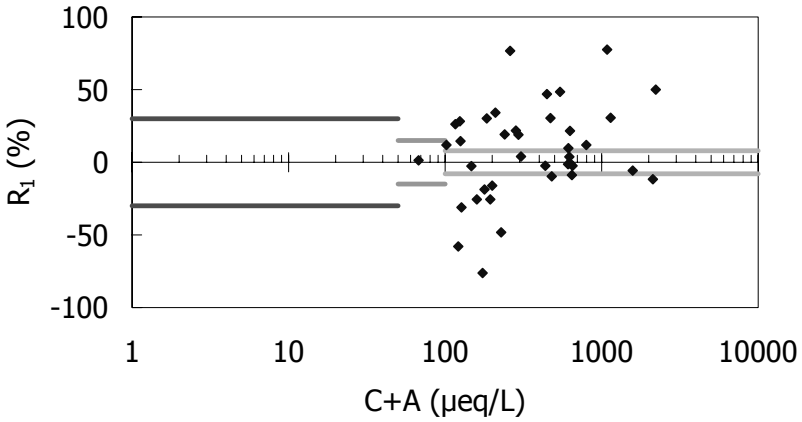


Fig. 3.9 a) Xiang Zhou Ion Balance (R_1)

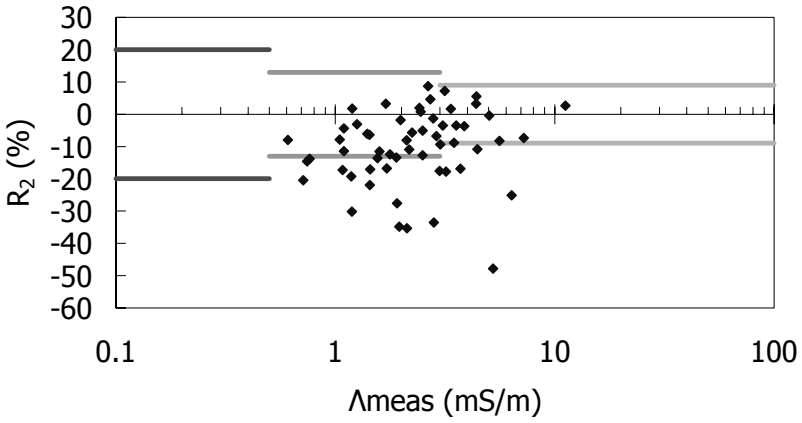


Fig. 3.8 b) Xiaoping Conductivity Agreement (R_2)

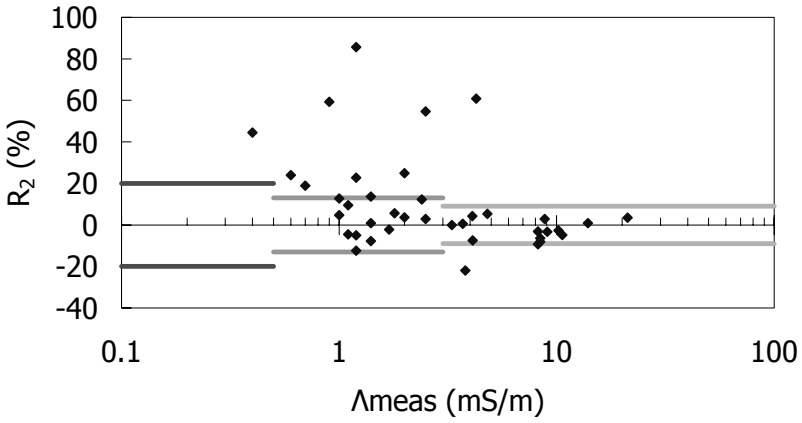


Fig 3.9 b) Xiang Zhou Conductivity Agreement (R_2)

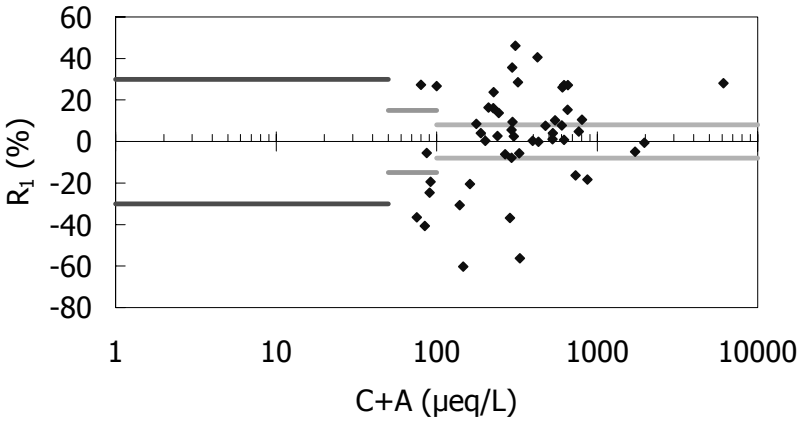


Fig. 3.10 a) Zhuxian Cavern Ion Balance (R_1)

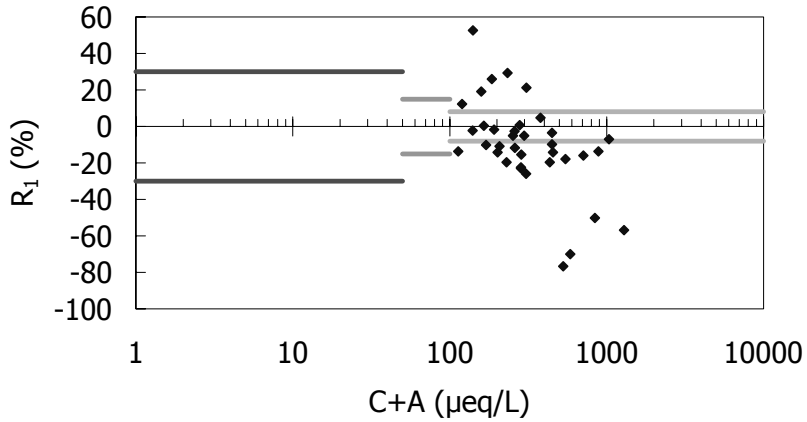


Fig. 3.11 a) Jakarta Ion Balance (R_1)

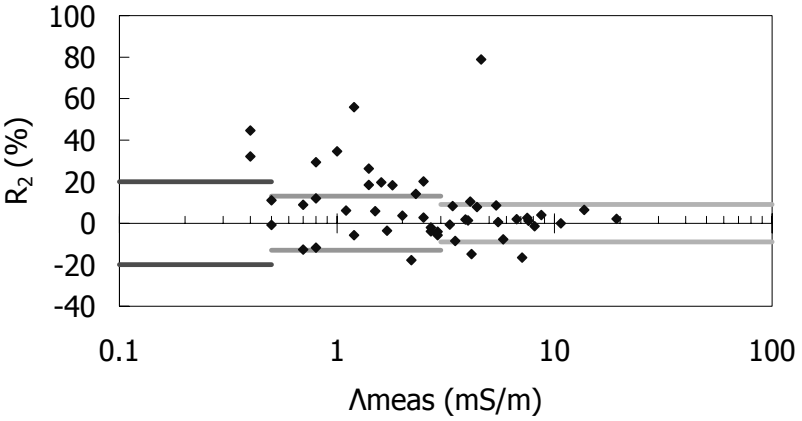


Fig. 3.10 b) Zhuxian Cavern Conductivity Agreement (R_2)

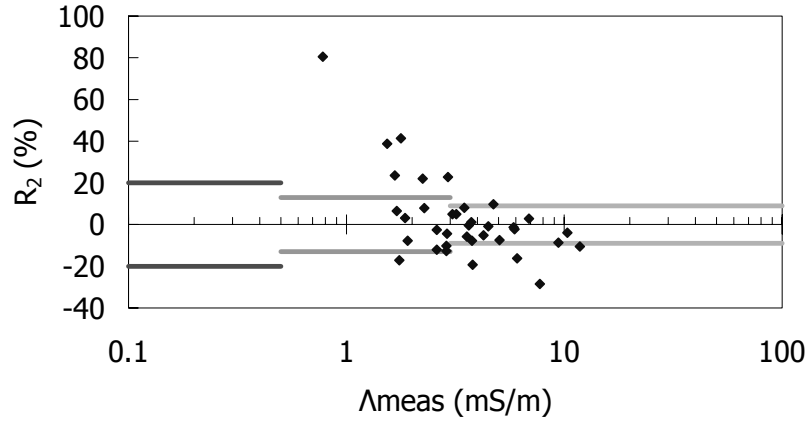


Fig 3.11 b) Jakarta Conductivity Agreement (R_2)

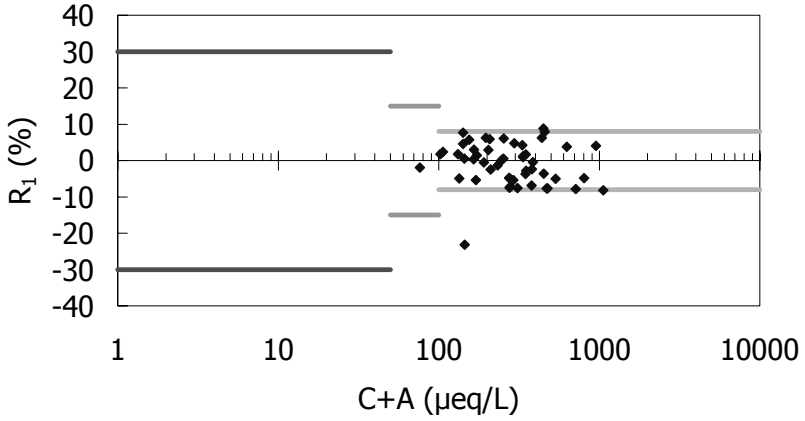


Fig. 3.12 a) Serpong Ion Balance (R_1)

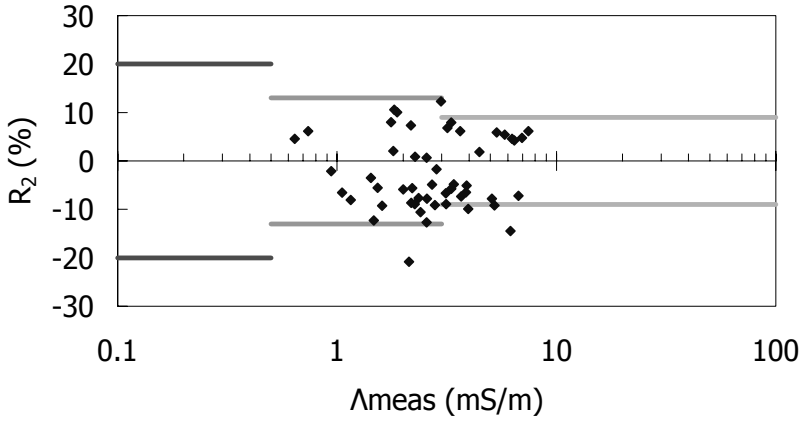


Fig. 3.12 b) Serpong Conductivity Agreement (R_2)

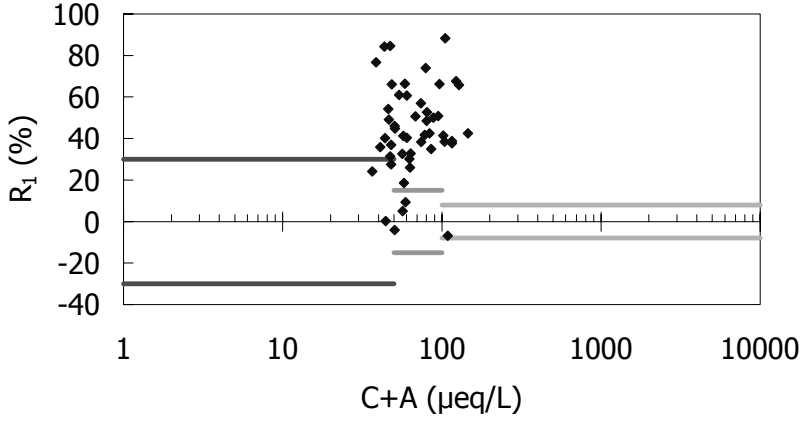


Fig. 3.13 a) Kototabang Ion Balance (R_1)

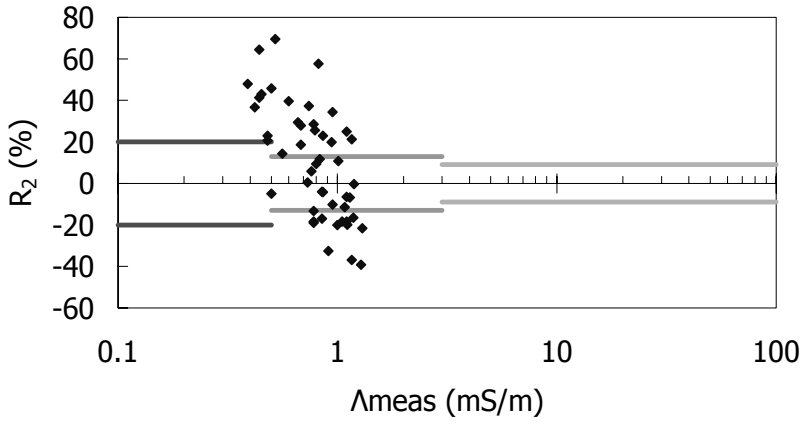


Fig 3.13 b) Kototabang Conductivity Agreement (R_2)

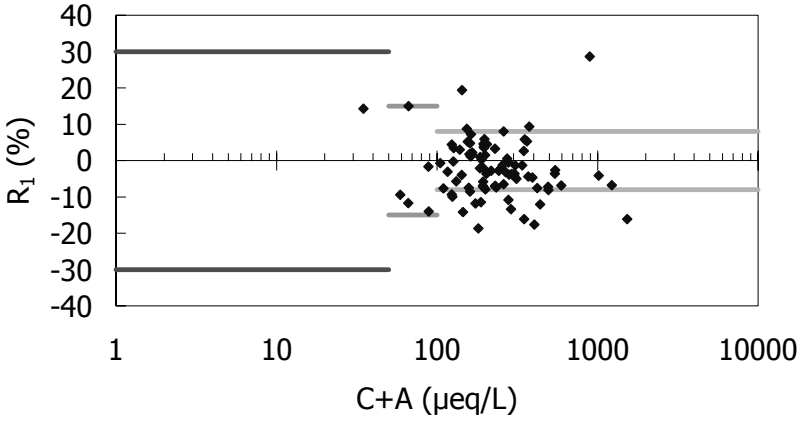


Fig. 3.14 a) Bandung Ion Balance (R_1)

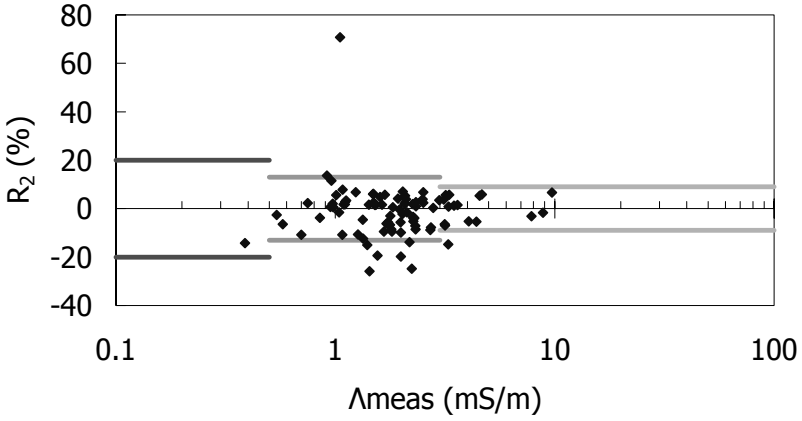


Fig. 3.14 b) Bandung Conductivity Agreement (R_2)

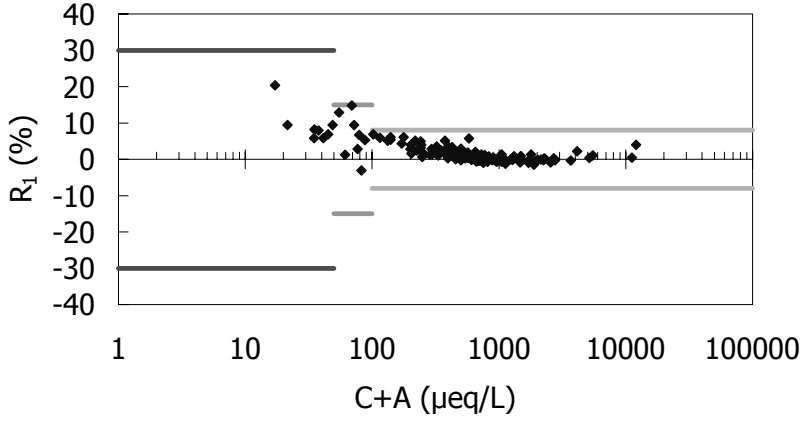


Fig. 3.15 a) Rishiri Ion Balance (R_1)

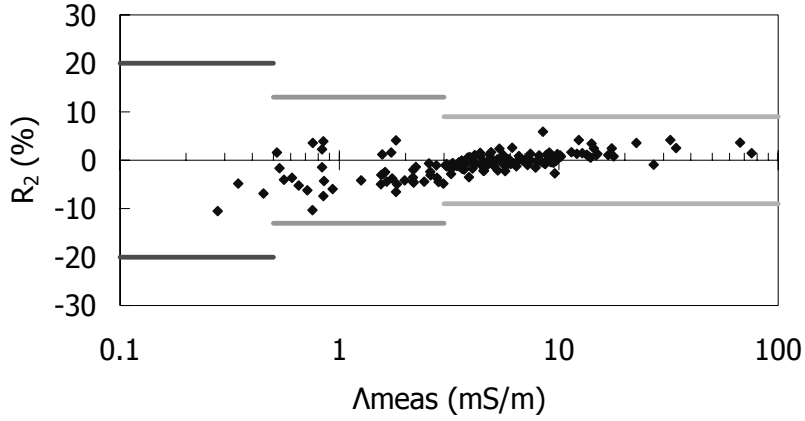


Fig. 3.15 b) Rishiri Conductivity Agreement (R_2)

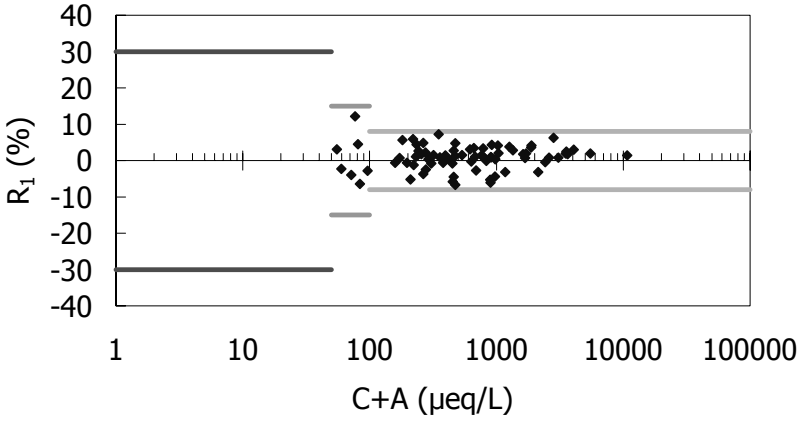


Fig. 3.16 a) Ochiishi Ion Balance (R_1)

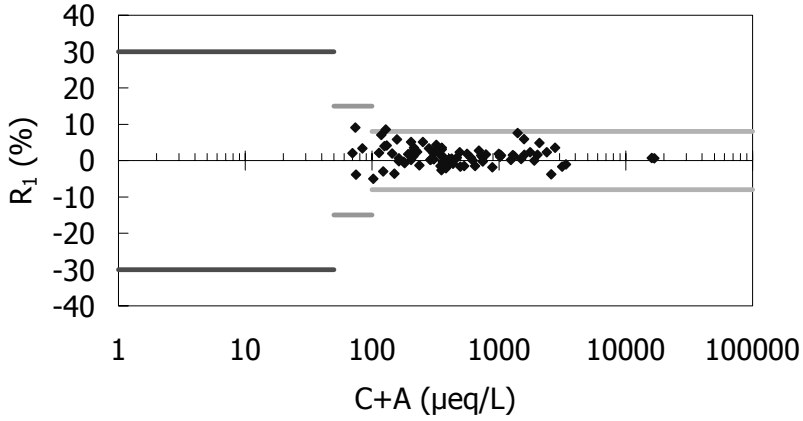


Fig. 3.17 a) Tappi Ion Balance (R_1)

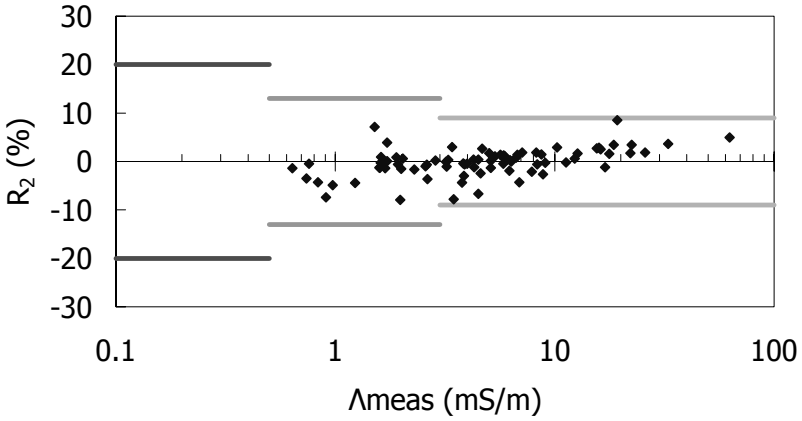


Fig. 3.16 b) Ochiishi Conductivity Agreement (R_2)

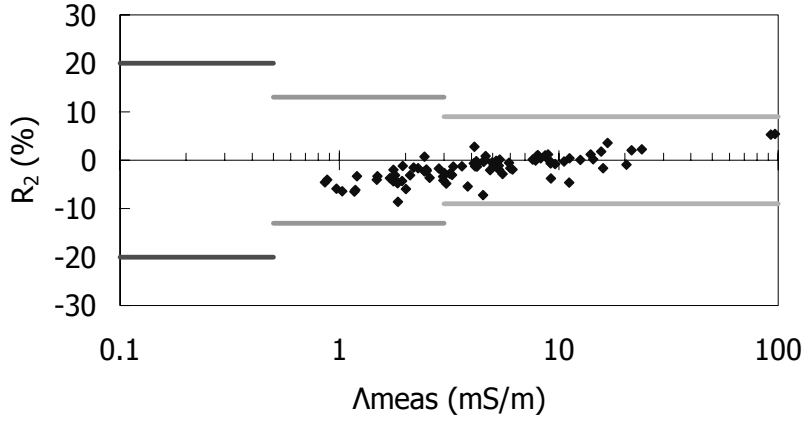


Fig. 3.17 b) Tappi Conductivity Agreement (R_2)

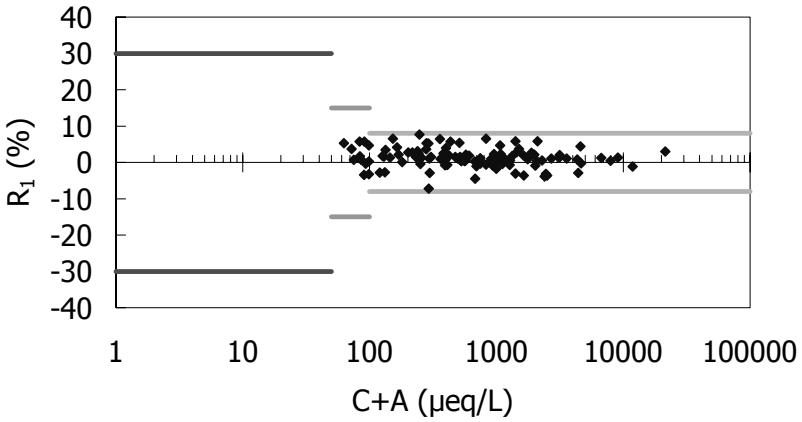


Fig. 3.18 a) Sado-seki Ion Balance (R_1)

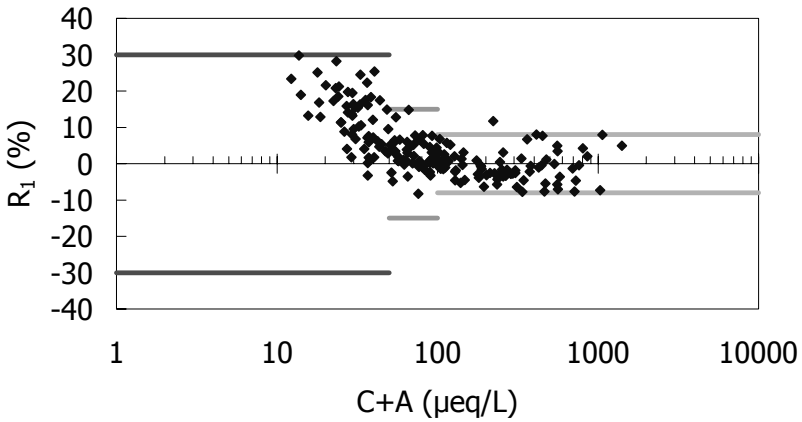


Fig. 3.19 a) Happo Ion Balance (R_1)

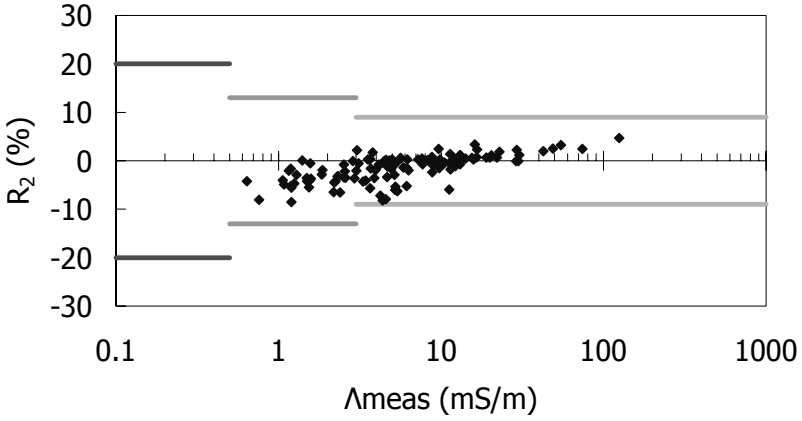


Fig. 3.18 b) Sado-seki Conductivity Agreement (R_2)

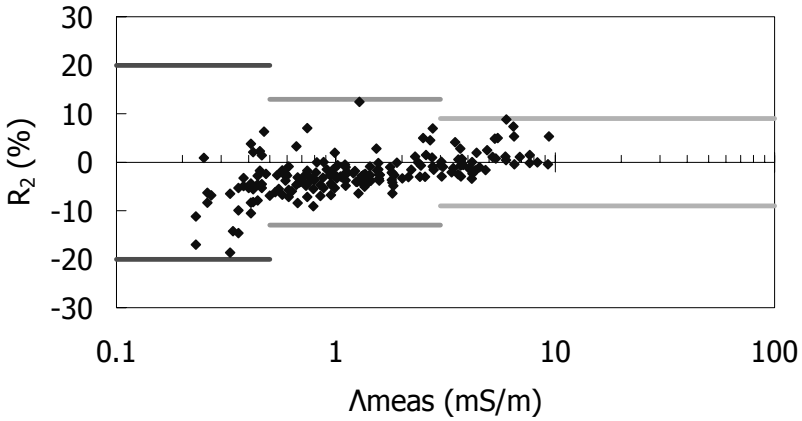


Fig. 3.19 b) Happo Conductivity Agreement (R_2)

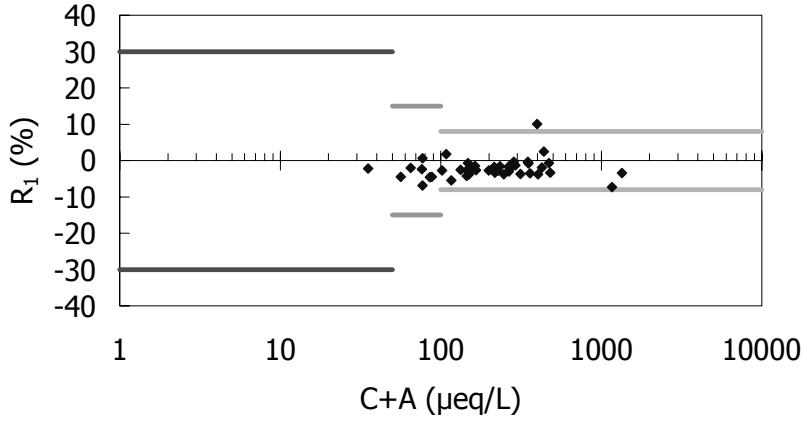


Fig. 3.20 a) Ijira Ion Balance (R_1)

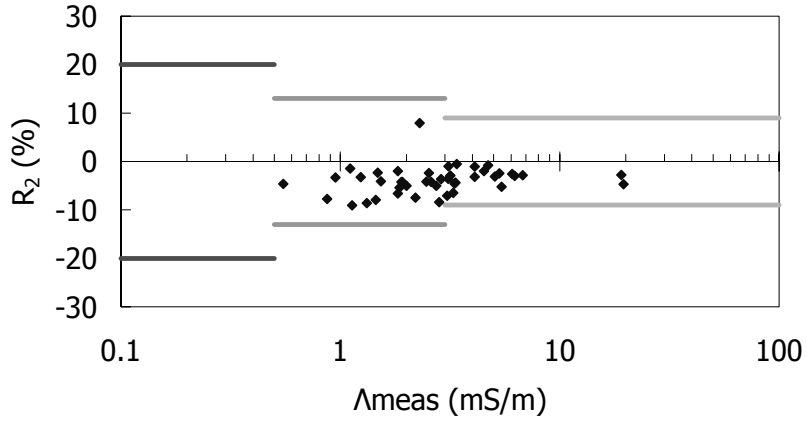


Fig. 3.20 b) Ijira Conductivity Agreement (R_2)

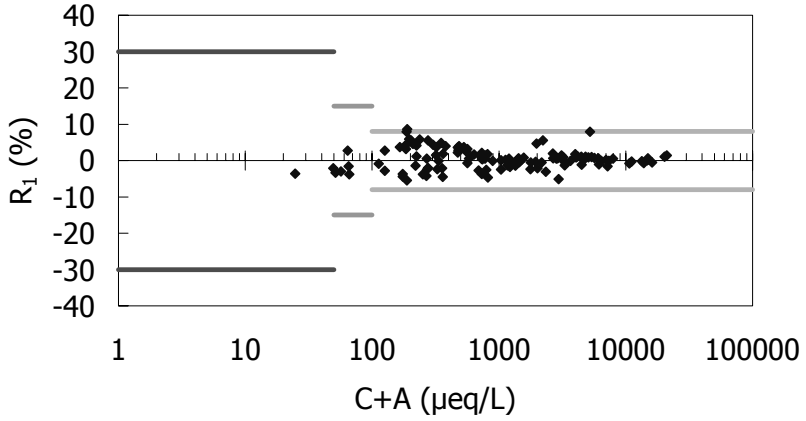


Fig. 3.21 a) Oki Ion Balance (R_1)

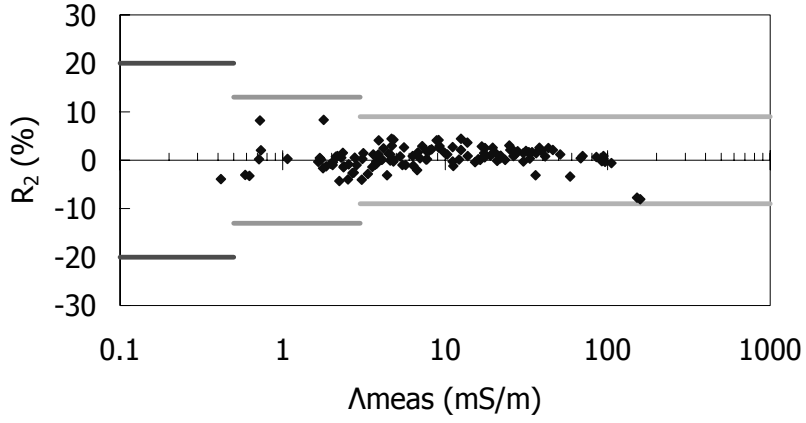


Fig. 3.21 b) Oki Conductivity Agreement (R_2)

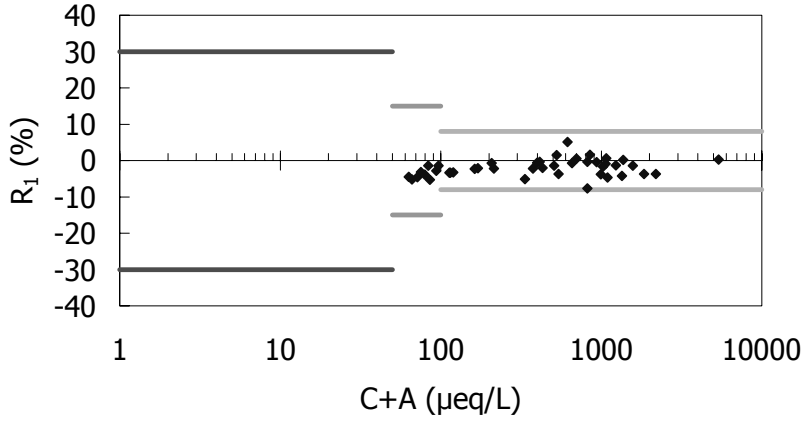


Fig. 3.22 a) Banryu Ion Balance (R_1)

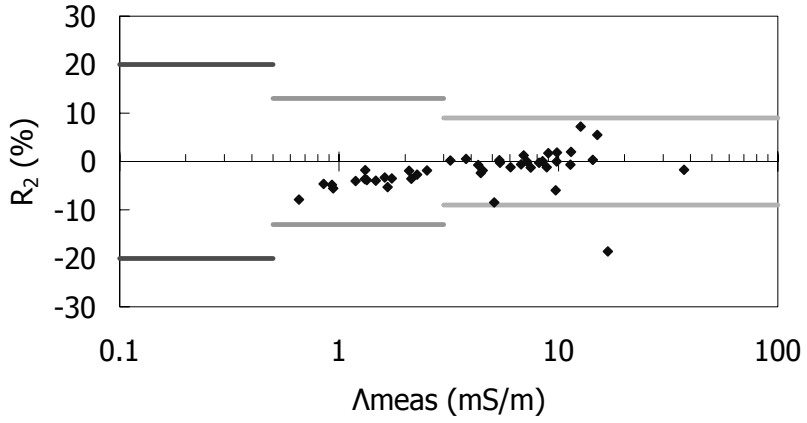


Fig. 3.22 b) Banryu Conductivity Agreement (R_2)

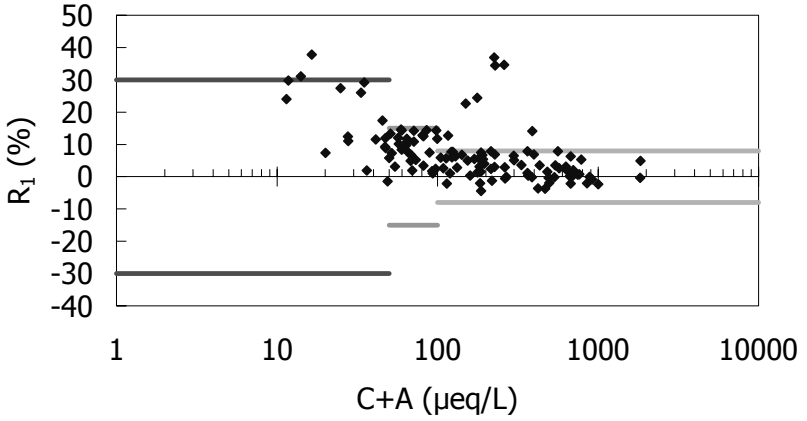


Fig. 3.23 a) Yusuhara Ion Balance (R_1)

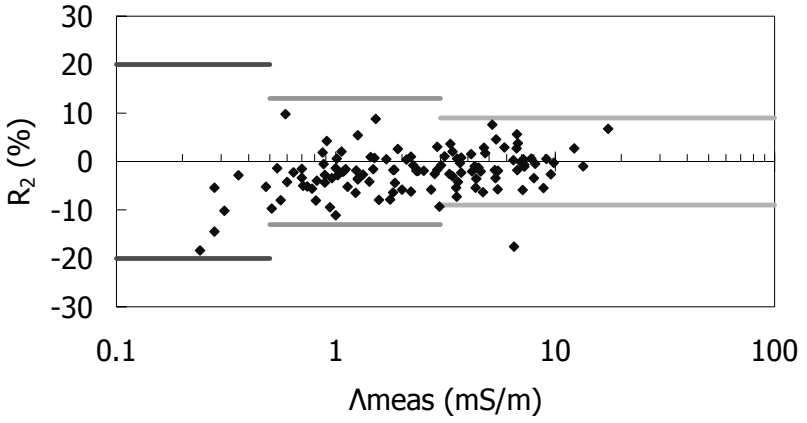


Fig. 3.23 b) Yusuhara Conductivity Agreement (R_2)

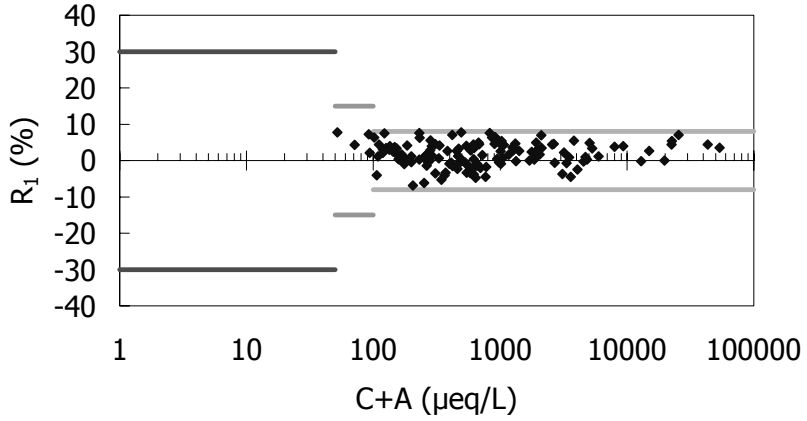


Fig. 3.24 a) Hedo Ion Balance (R_1)

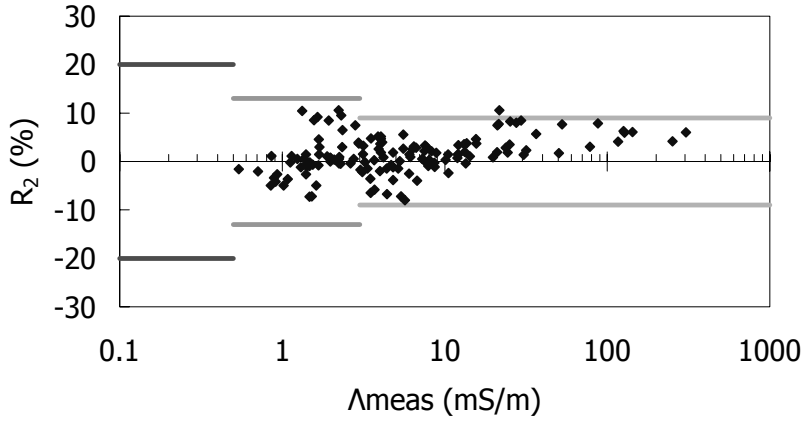


Fig. 3.24 b) Hedo Conductivity Agreement (R_2)

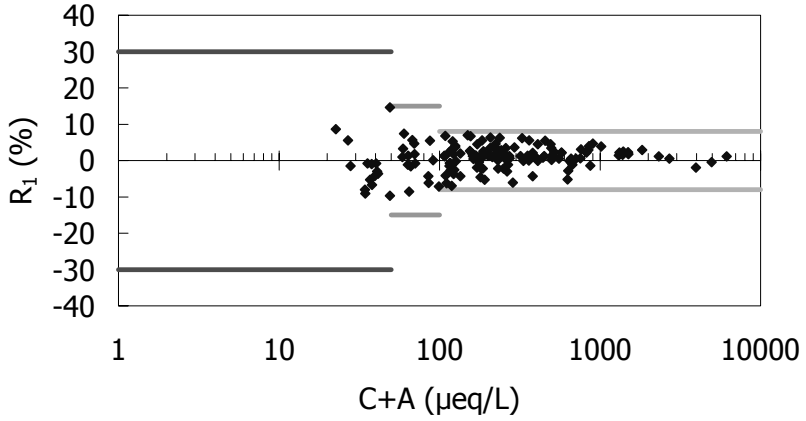


Fig. 3.25 a) Ogasawara Ion Balance (R_1)

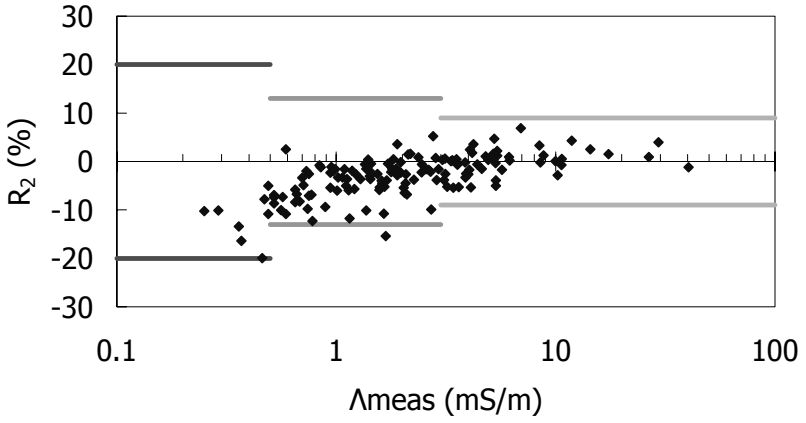


Fig. 3.25 b) Ogasawara Conductivity Agreement (R_2)

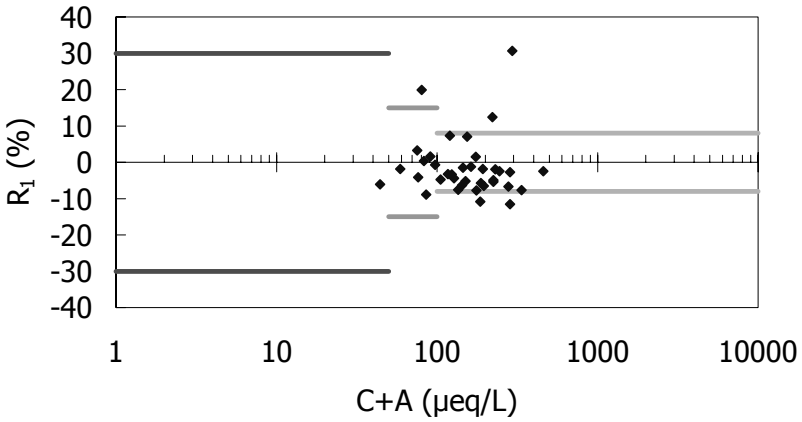


Fig. 3.26 a) Petaling Jaya Ion Balance (R_1)

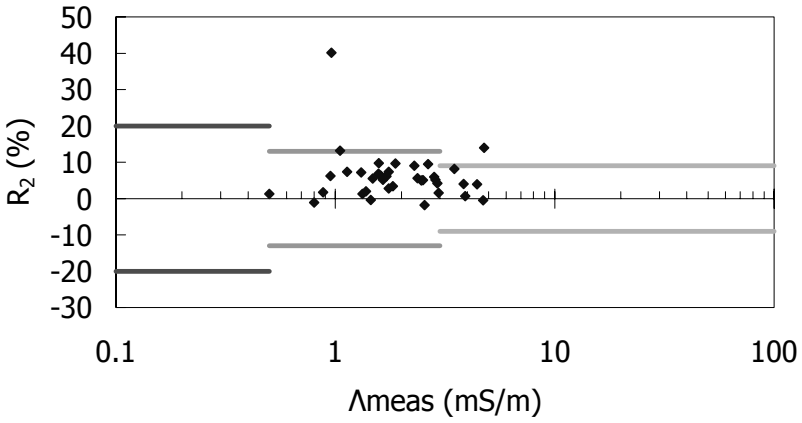


Fig. 3.26 b) Petaling Jaya Conductivity Agreement (R_2)

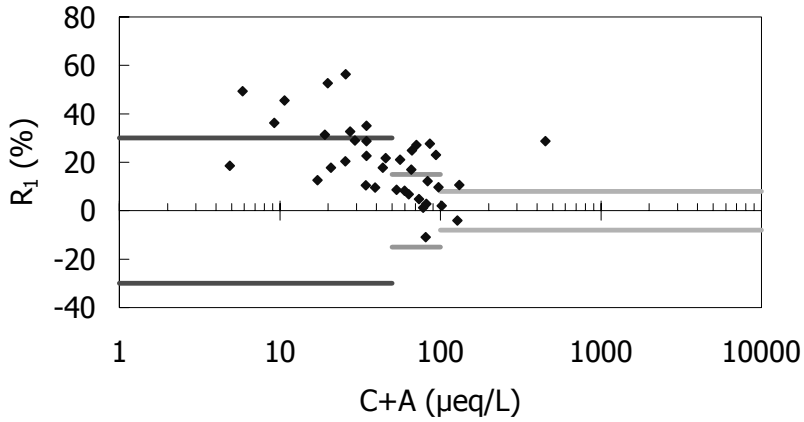


Fig. 3.27 a) Tanah Rata Ion Balance (R_1)

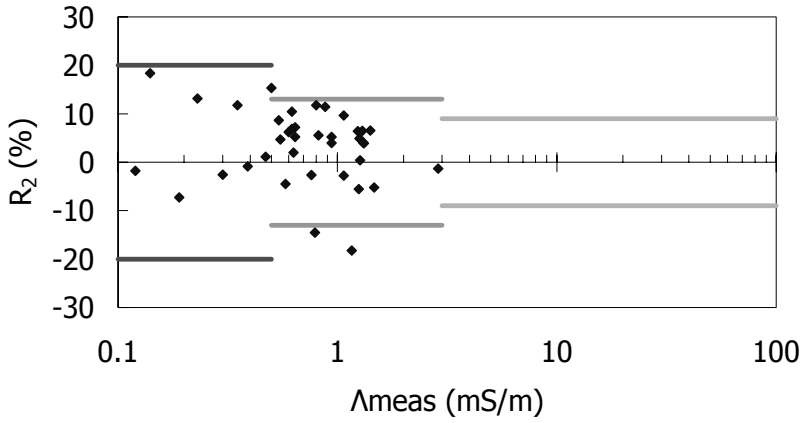


Fig. 3.27 b) Tanah Rata Conductivity Agreement (R_2)

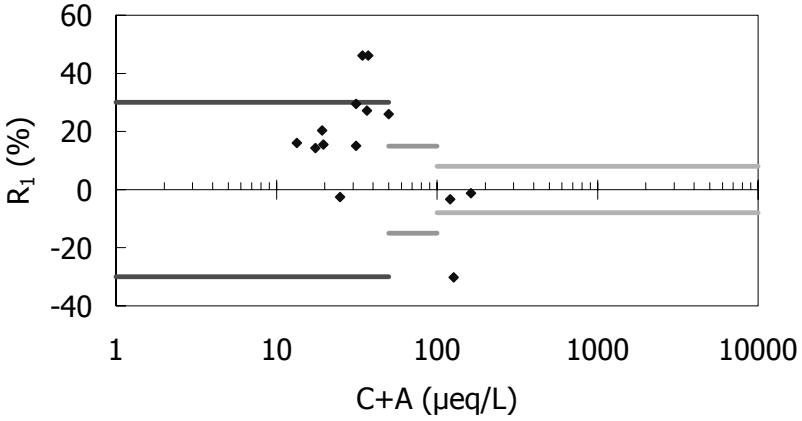


Fig. 3.28 a) Danum Valley Ion Balance (R_1)

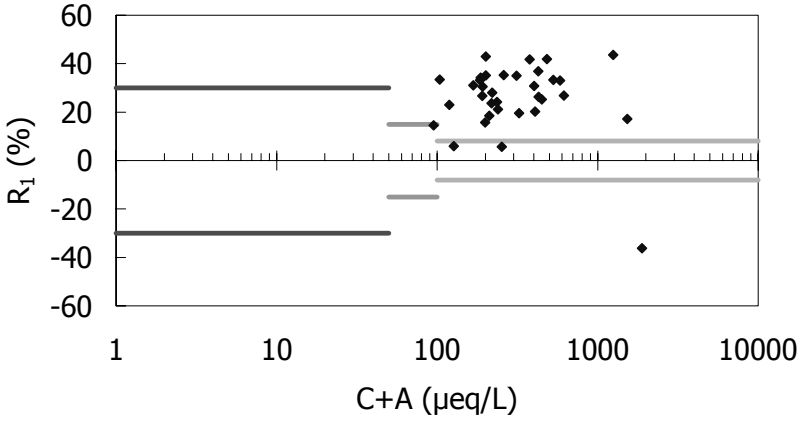


Fig. 3.29 a) Ulaanbaatar Ion Balance (R_1)

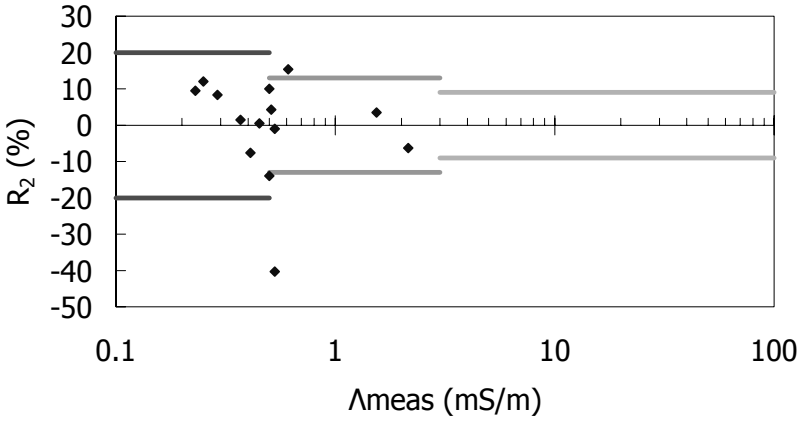


Fig. 3.28 b) Danum Valley Conductivity Agreement (R_2)

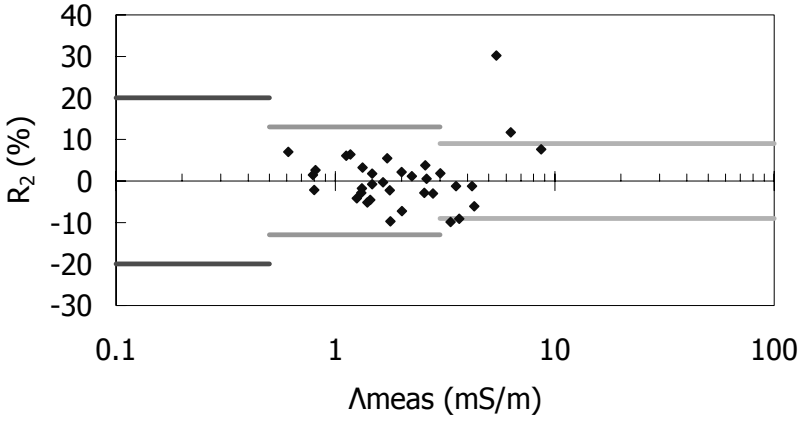


Fig. 3.29 b) Ulaanbaatar Conductivity Agreement (R_2)

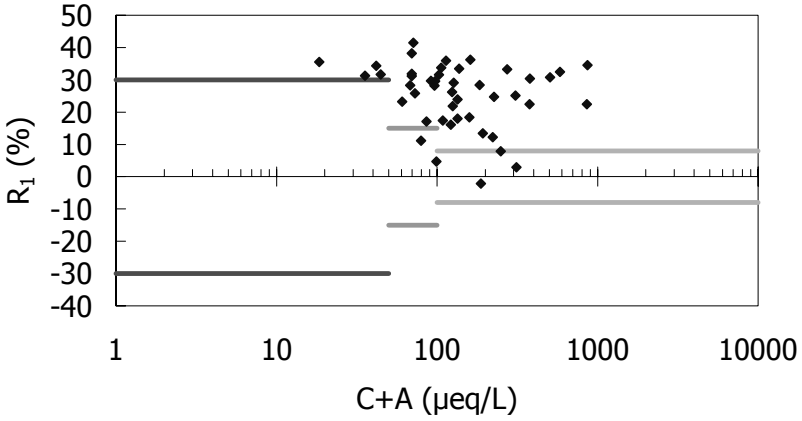


Fig. 3.30 a) Terelj Ion Balance (R_1)

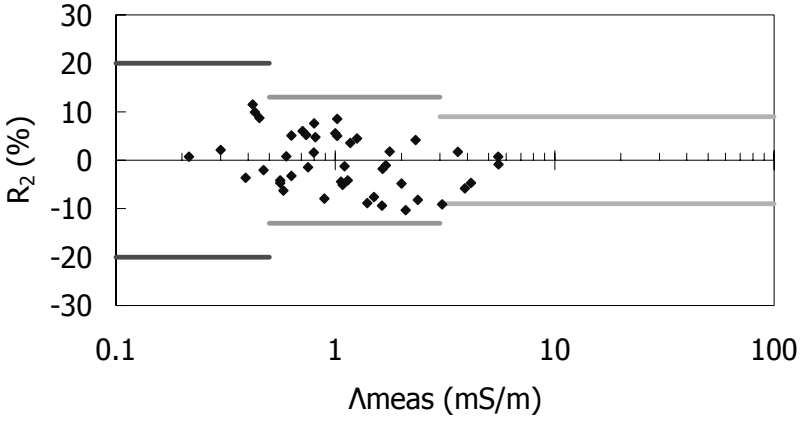


Fig. 3.30 b) Terelj Conductivity Agreement (R_2)

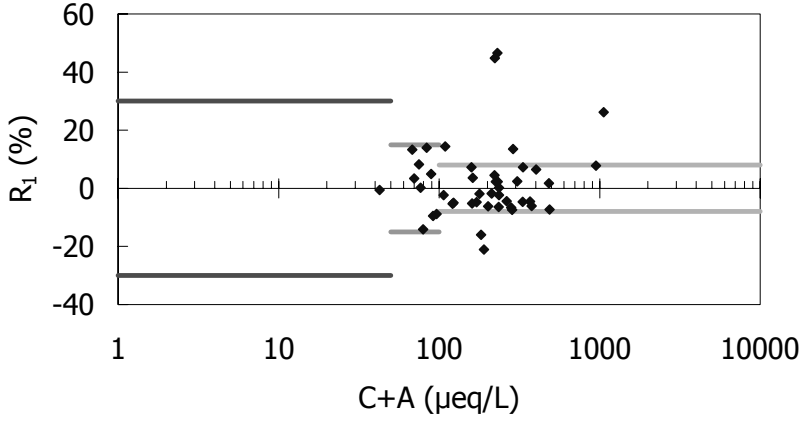


Fig. 3.31 a) Metro Manila Ion Balance (R_1)

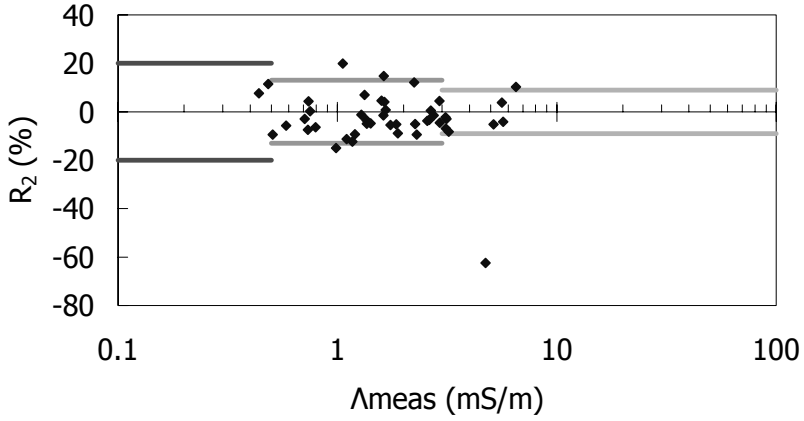


Fig. 3.31 b) Metro Manila Conductivity Agreement (R_2)

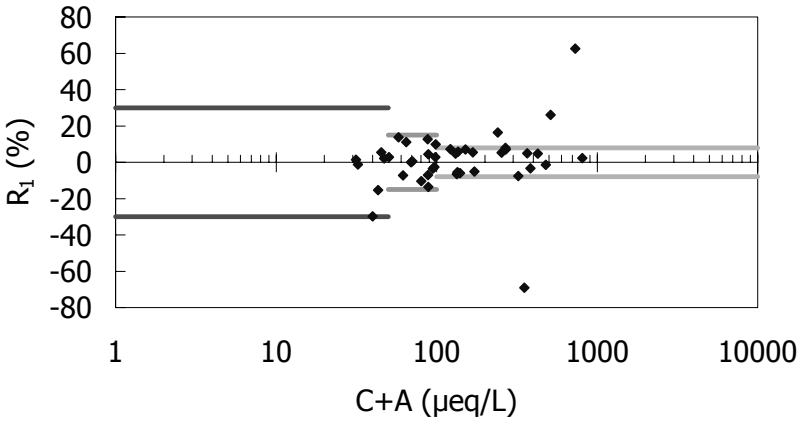


Fig. 3.32 a) Los Banos Ion Balance (R_1)

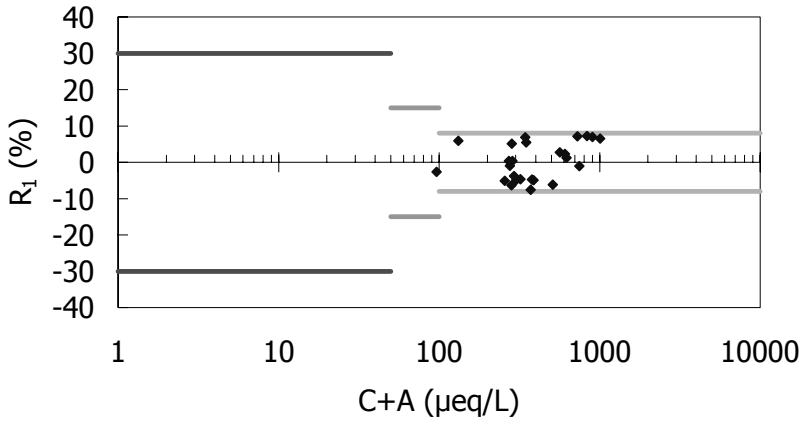


Fig. 3.33 a) Kanghwa Ion Balance (R_1)

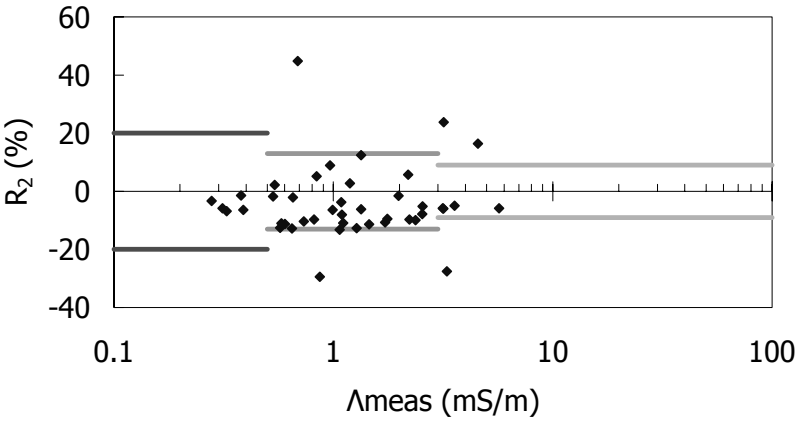


Fig. 3.32 b) Los Banos Conductivity Agreement (R_2)

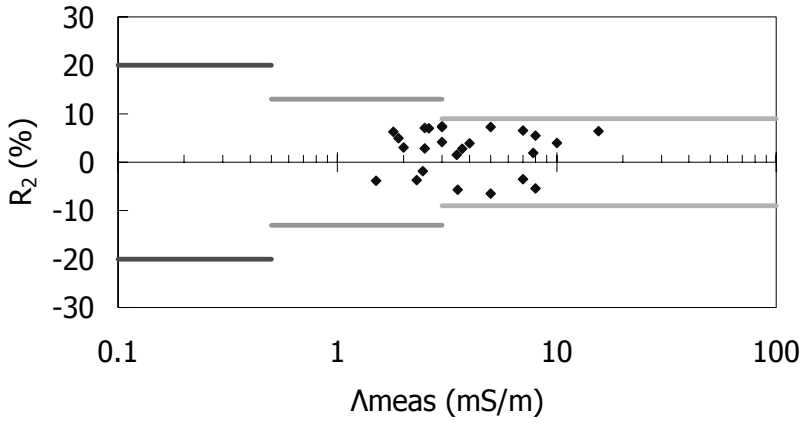


Fig. 3.33 b) Kanghwa Conductivity Agreement (R_2)

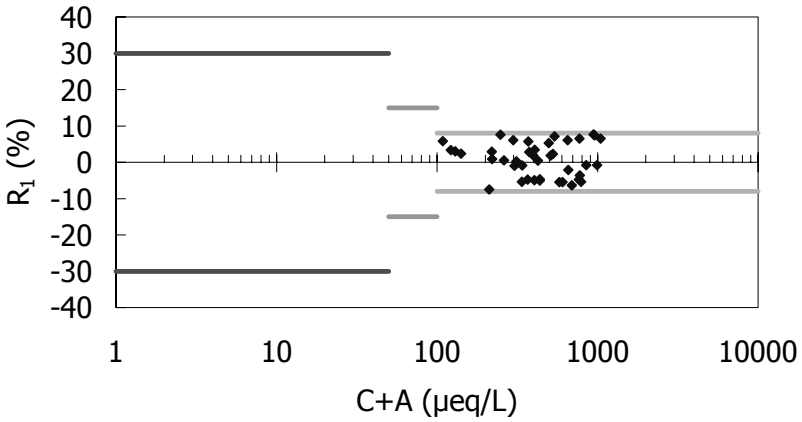


Fig. 3.34 a) Cheju (Kosan) Ion Balance (R_1)

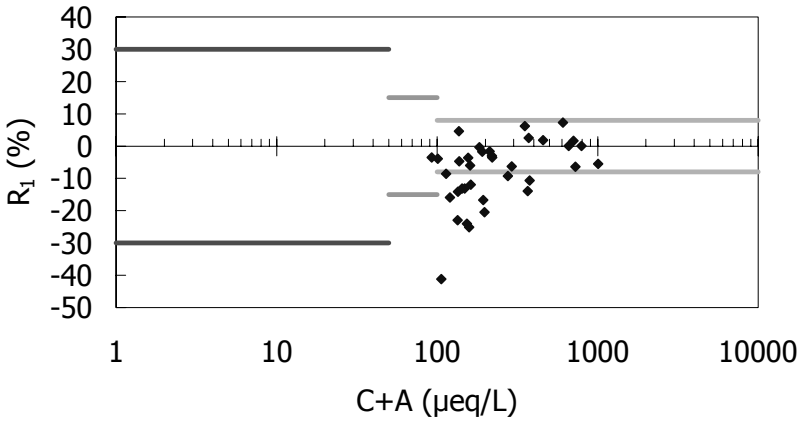


Fig. 3.35 a) Imsil Ion Balance (R_1)

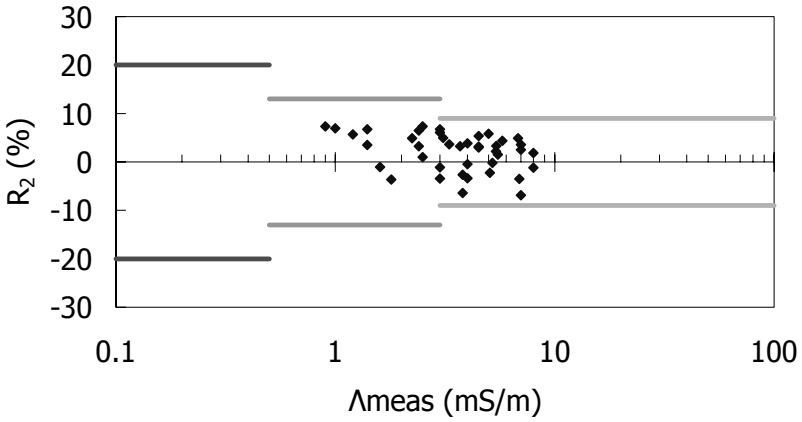


Fig. 3.34 b) Cheju (Kosan) Conductivity Agreement (R_2)

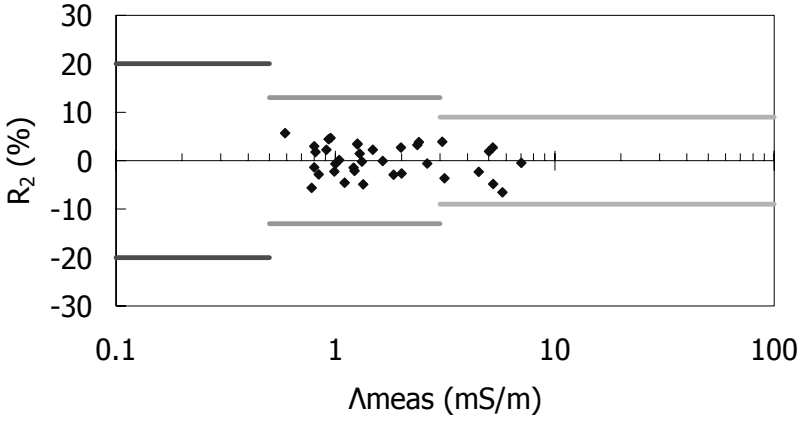


Fig 3.35 b) Imsil Conductivity Agreement (R_2)

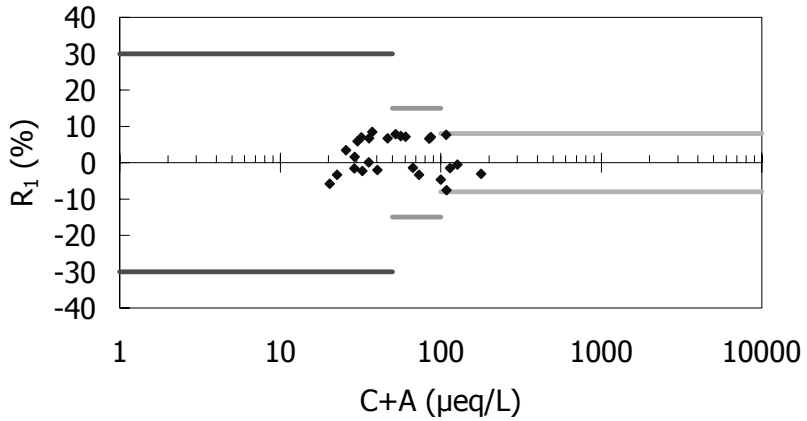


Fig. 3.36 a) Mondy Ion Balance (R_1)

Calculated including HCO_3^-, NO_2^- and Br^-

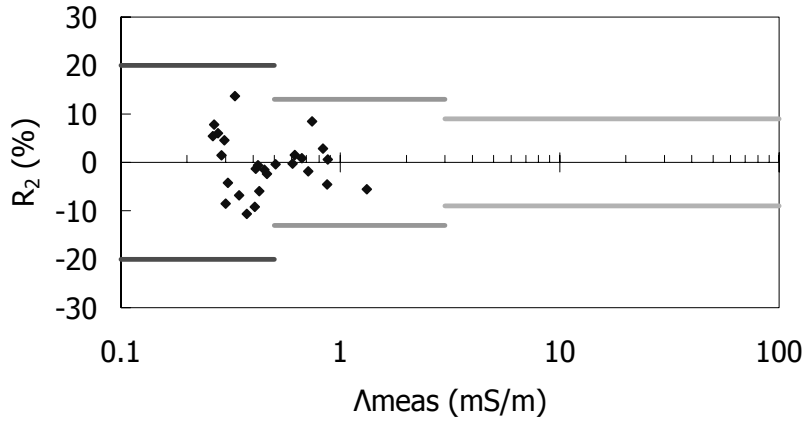


Fig. 3.36 b) Mondy Conductivity Agreement (R_2)

Calculated including HCO_3^-, NO_2^- and Br^-

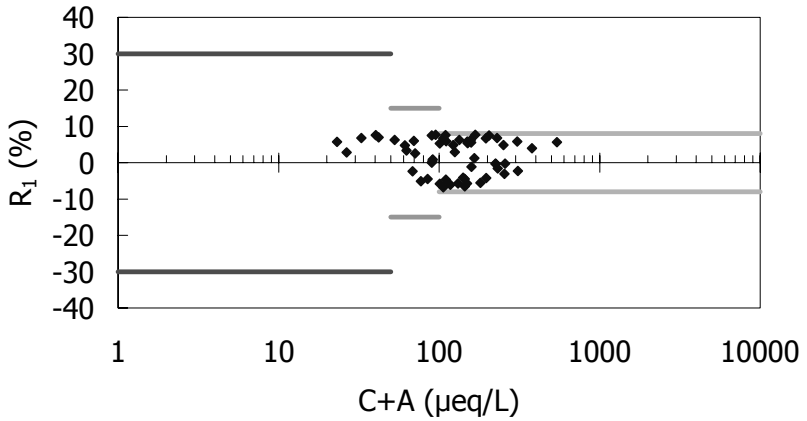


Fig. 3.37 a) Listvyanka Ion Balance (R_1)

Calculated including HCO_3^-, NO_2^- and Br^-

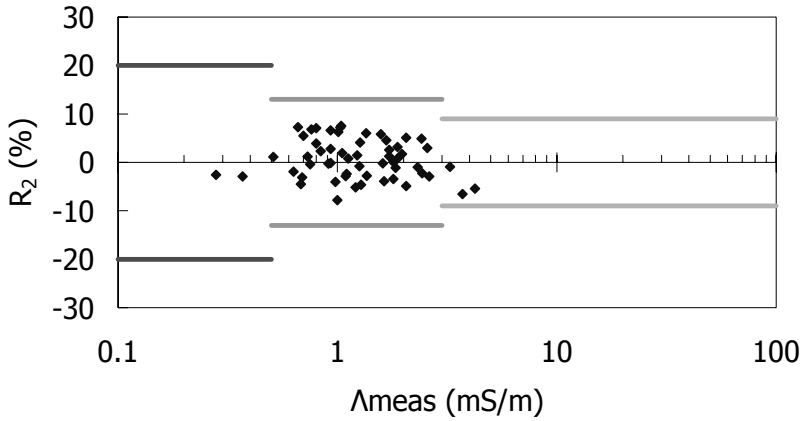


Fig. 3.37 b) Listvyanka Conductivity Agreement (R_2)

Calculated including HCO_3^-, NO_2^- and Br^-

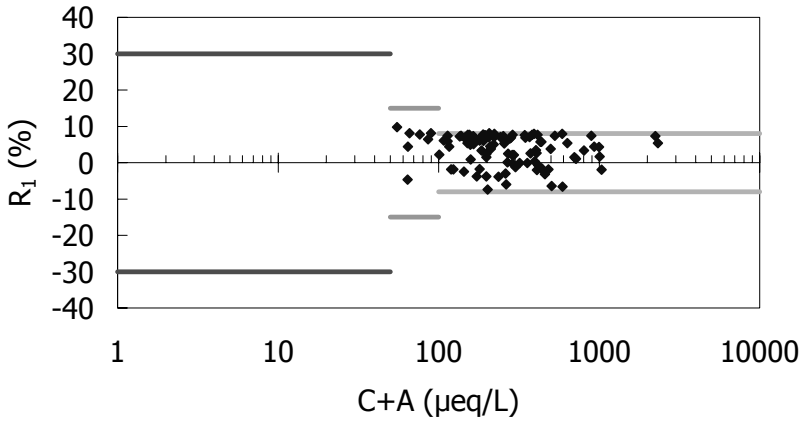


Fig. 3.38 a) Irkutsk Ion Balance (R_1)

Calculated including HCO_3^-, NO_2^- and Br^-

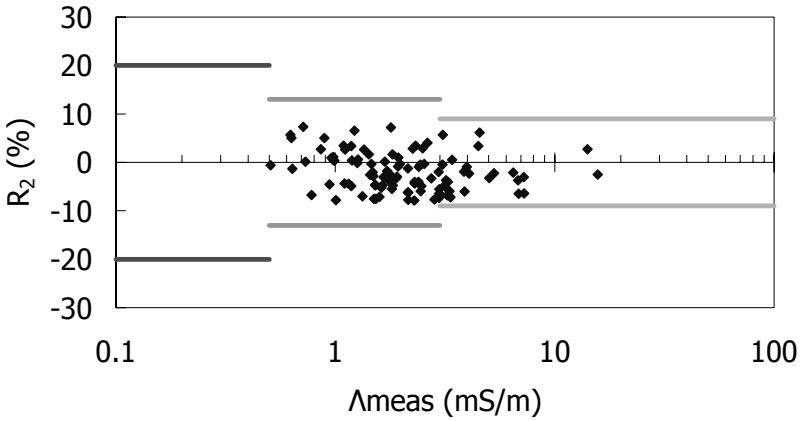


Fig. 3.38 b) Irkutsk Conductivity Agreement (R_2)

Calculated including HCO_3^-, NO_2^- and Br^-

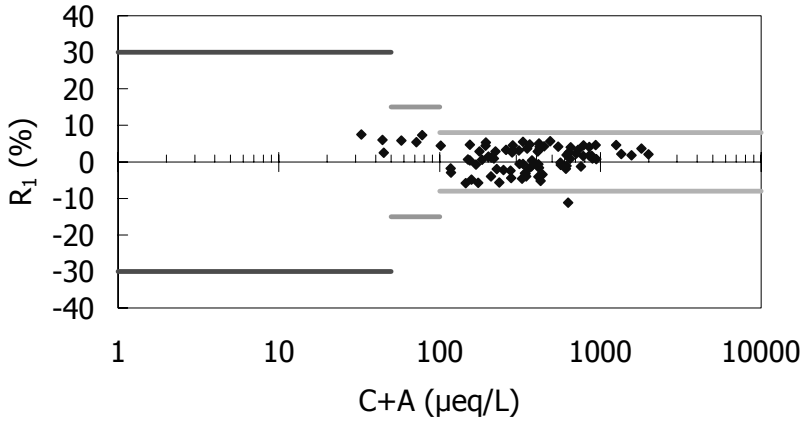


Fig. 3.39 a) Primorskaya Ion Balance (R_1)

Calculated including HCO_3^-

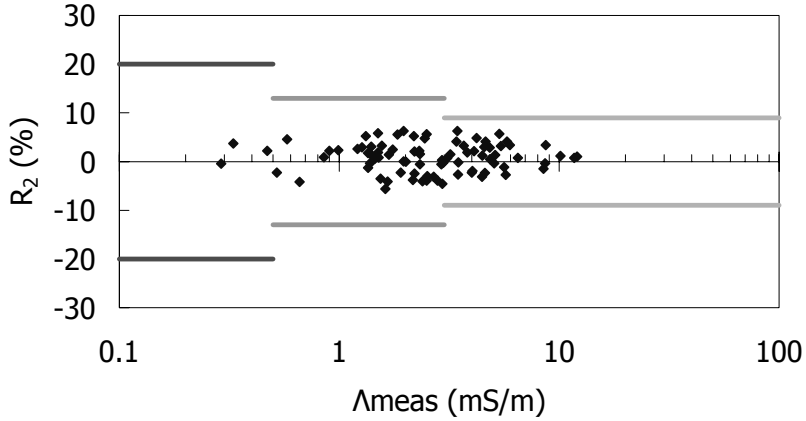


Fig. 3.39 b) Primorskaya Conductivity Agreement (R_2)

Calculated including HCO_3^-

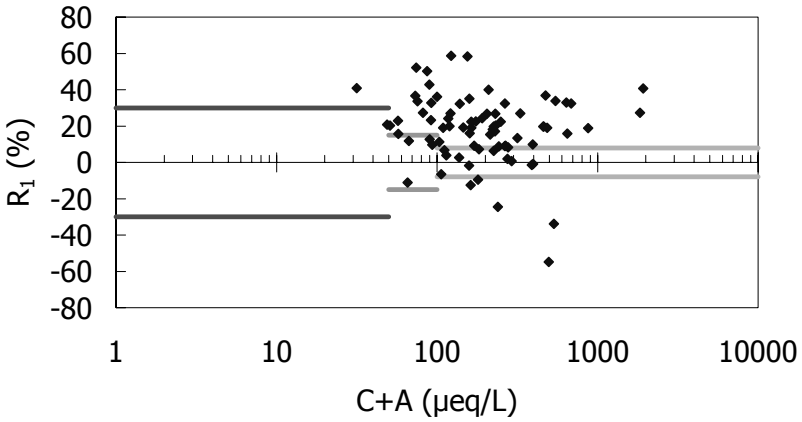


Fig. 3.40 a) Bangkok Ion Balance (R_1)

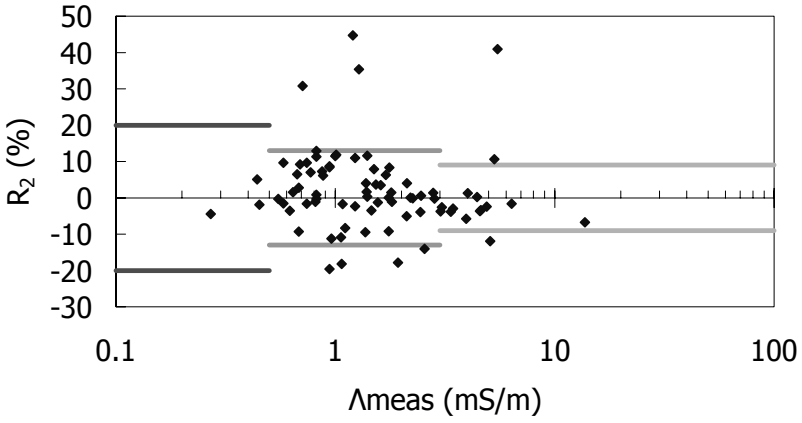


Fig. 3.40 b) Bangkok Conductivity Agreement (R_2)

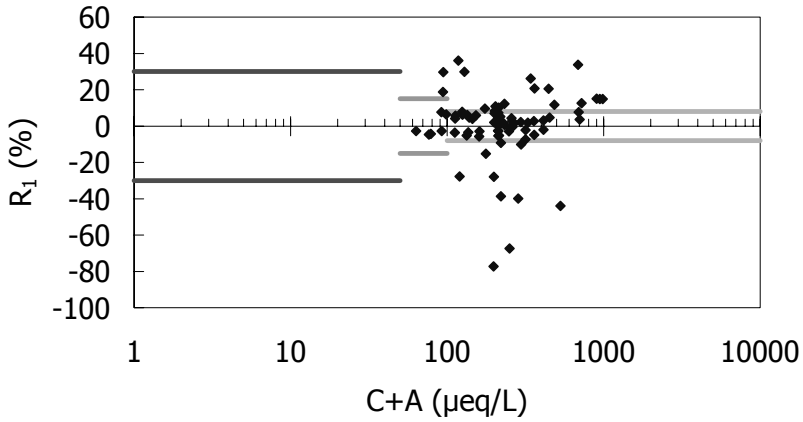


Fig. 3.41 a) Samutprakarn Ion Balance (R_1)

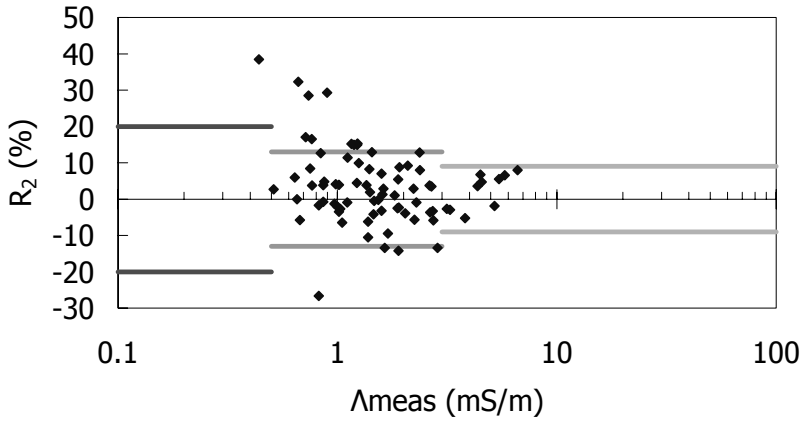


Fig. 3.41 b) Samutprakarn Conductivity Agreement (R_2)

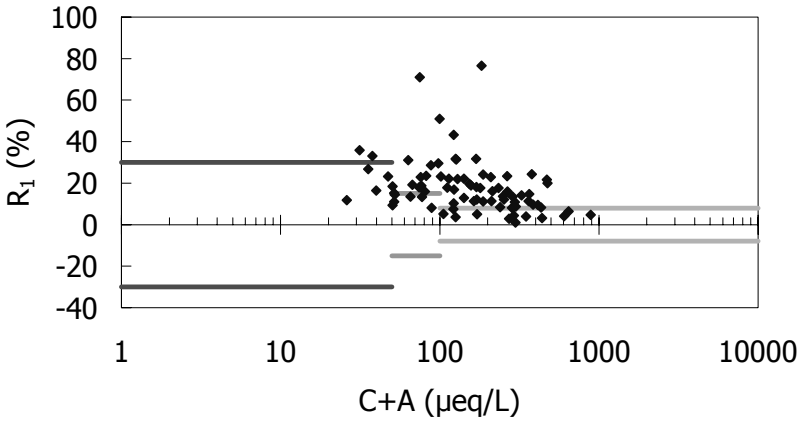


Fig. 3.42 a) Patumthani Ion Balance (R_1)

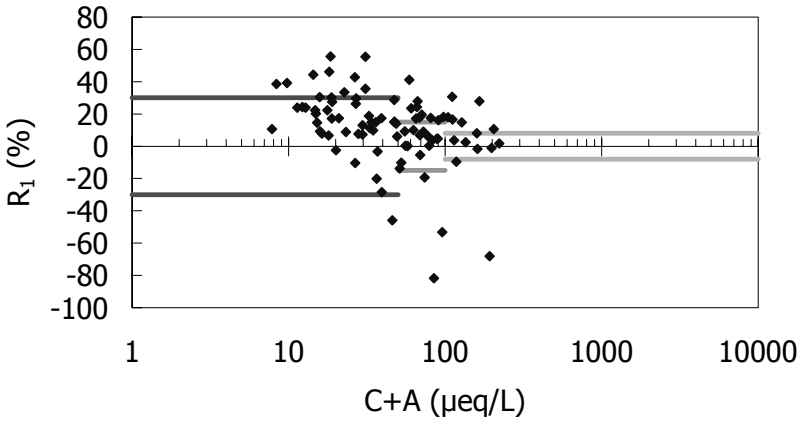


Fig. 3.43 a) Khanchanaburi Ion Balance (R_1)

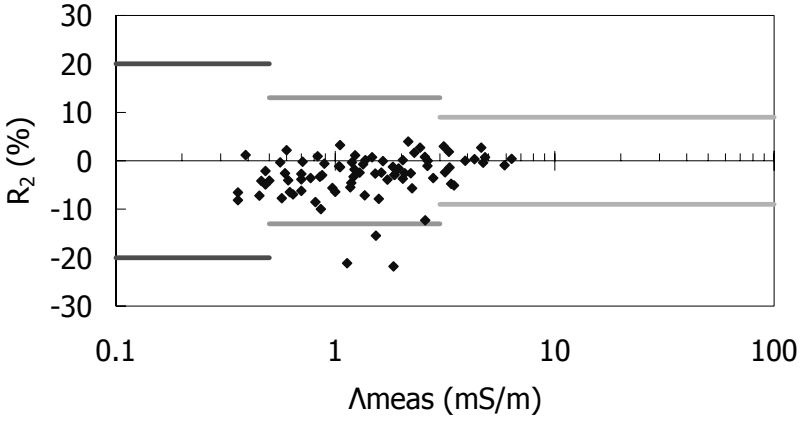


Fig. 3.42 b) Patumthani Conductivity Agreement (R_2)

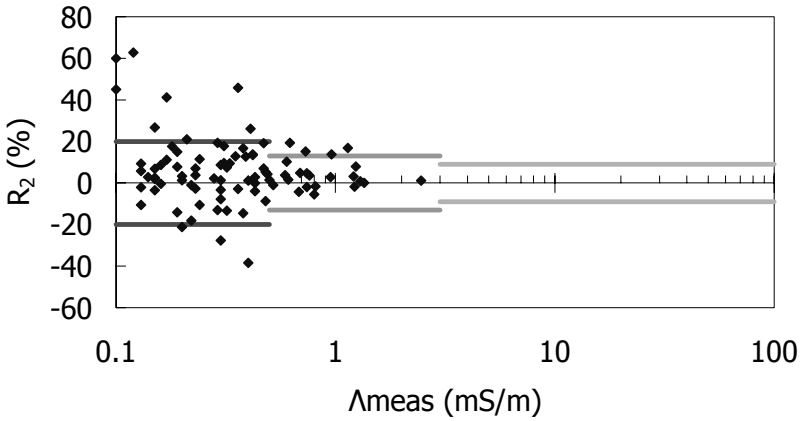


Fig. 3.43 b) Khanchanaburi Conductivity Agreement (R_2)

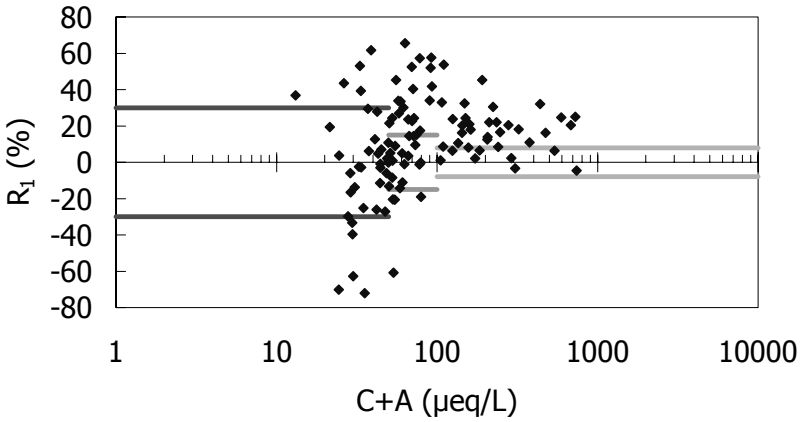


Fig. 3.44 a) Chiang Mai (Mae Hia) Ion Balance (R_1)

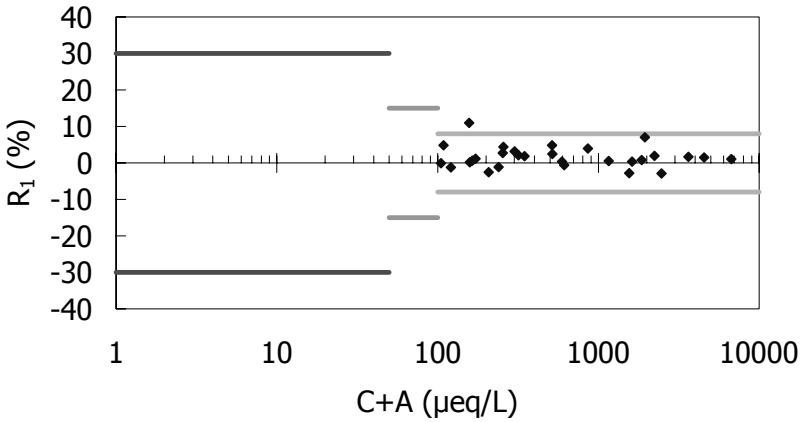


Fig. 3.45 a) Hanoi Ion Balance (R_1)

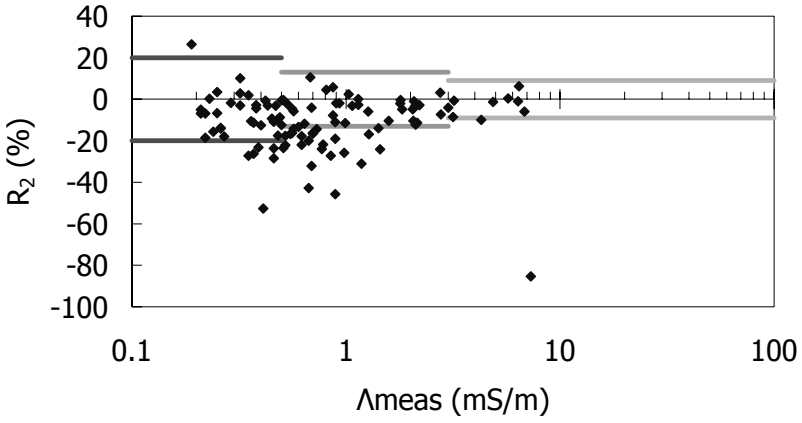


Fig. 3.44 b) Chiang Mai (Mae Hia) Conductivity Agreement (R_2)

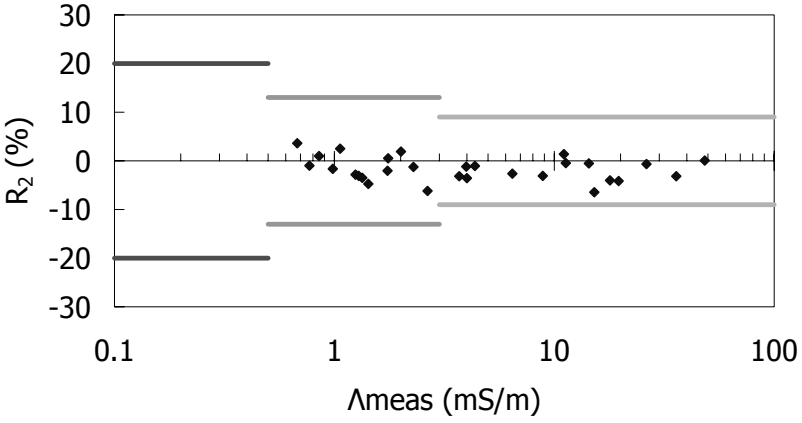


Fig. 3.45 b) Hanoi Conductivity Agreement (R_2)

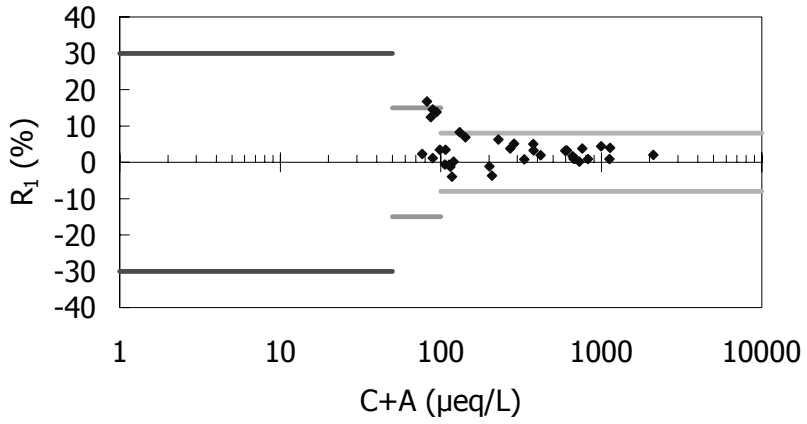


Fig. 3.46 a) Hoa Binh Ion Balance (R_1)

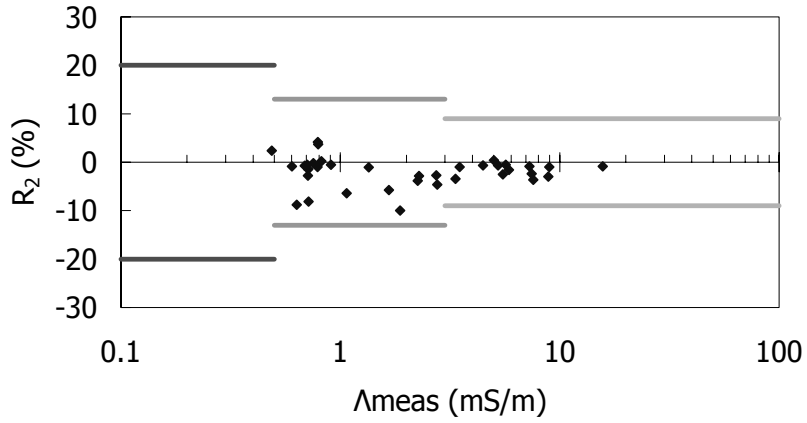


Fig. 3.46 b) Hoa Binh Conductivity Agreement (R_2)

4. Dry Deposition (Air Concentration) Monitoring

4.1 Method

Automatic monitoring methods and filter pack method were mainly used to implement the dry deposition (air concentration) monitoring in 2005. The monitoring items were selected, taking into account priority of the chemical species defined in the "Strategy Paper for Future Direction of Dry Deposition Monitoring of EANET (1999)".

Measurement methods and parameters in each monitoring site for Dry Deposition (Air Concentration) Monitoring in 2005 are shown in Table 4.1.

1) Automatic monitoring method

In the priority of the chemical species, SO_2, NO_2 (urban), NO, O_3, and PM could be monitored by use of automatic monitoring methods. The methods were used by China, Japan, Malaysia, Republic of Korea, Russia and Thailand. The QA/QC program for monitoring the SO_2, NO_2 (urban), NO, O_3, and PM using automatic monitors was described in the "QA/QC Program for the Air Concentration Monitoring in East Asia (2001)". Individual methods of each site are shown in Table 4.2.

2) Filter pack method

Filter pack methods were used by Indonesia, Japan, Malaysia, Mongolia, Philippines, Republic of Korea, Russia, Thailand and Vietnam in 2005. The methods could determine gaseous (SO_2, HNO_3, HCl, NH_3) and particulate components (SO_4^{2-}, NO_3^-, Cl^-, Na^+, K^+, NH_4^+, Ca^{2+}, Mg^{2+}).

"Technical Document of Filter Pack Monitoring in East Asia" was endorsed at the Third Session of the Science Advisory Committee (SAC3) held in November 2003. The monitoring was conducted by means of the four-stage filter pack method, which was explained in the technical document. Basic specification of the four-stage filter pack method is shown in Fig. 4.1.

Table 4.1 Sampling Method and Parameter for Dry Deposition (Air Concentration) Monitoring in 2005

Country	Name of sites	Characteristics of sites	Method	Parameter
Cambodia				
China	Chongqing			
	-Guanyinqiao	Urban	-	None
	-Jinyunshan	Rural	AT	SO_2, NO, NO_x*, PM_{10}
	Xi'an			
	-Shizhan	Urban	-	None
	-Weishuiyuan	Rural	AT	SO_2, NO, NO_x*, PM_{10}
	-Jiwozi	Remote	-	None
	Xiamen			
	-Hongwen	Urban	AT	SO_2, NO_2, PM_{10}
	-Xiaoping	Remote	-	None
	Zhuhai			
	-Xiang Zhou	Urban	AT	SO_2, NO_2, PM_{10}
	-Zhuxian Cavern	Urban	-	None
Indonesia	Jakarta	Urban	-	None
	Serpong	Rural	FP	SO_2, HNO_3, HCl, NH_3, PMC
	Kototabang	Remote	-	None
	Bandung	Urban	-	None
Japan	Rishiri	Remote	AT	SO_2, NO, NO_x*, O_3, $PM_{10}/_{2.5}$
			FP	HNO_3, HCl, NH_3, PMC
	Tappi	Remote	AT	SO_2, NO, NO_x*, O_3, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC
	Sado-seki	Remote	AT	SO_2, NO, NO_x*, O_3, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC
	Happo	Remote	AT	SO_2, NO, NO_x*, O_3, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC
	Oki	Remote	AT	SO_2, NO, NO_x*, O_3, $PM_{10}/_{2.5}$
			FP	HNO_3, HCl, NH_3, PMC
	Yusuhara	Remote	AT	SO_2, NO, NO_x*, O_3, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC
	Ijira	Rural	AT	SO_2, NO, NO_x*, O_3, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC
	Banryu	Urban	AT	SO_2, NO, NO_2, NO_x, O_3, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC
	Hedo	Remote	AT	SO_2, NO, NO_x*, O_3, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC
	Ogasawara	Remote	AT	SO_2, NO, NO_x*, O_3, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC

Table 4.1 Sampling Method and Parameter for Dry Deposition (Air Concentration) Monitoring in 2005 (continued)

Country	Name of sites	Characteristics of sites	Method	Parameter
Lao P. D. R.				
Malaysia	Tanah Rata	Remote	FP	SO_2, HNO_3, HCl, NH_3, PMC
	Petaling Jaya	Urban	FP	SO_2, HNO_3, HCl, NH_3, PMC
Mongolia	Ulaanbaatar	Urban	FP	SO_2, HNO_3, HCl, NH_3, PMC
	Terelj	Remote	FP	SO_2, HNO_3, HCl, NH_3, PMC
Philippines	Metro Manila	Urban	FP	SO_2, HNO_3, HCl, NH_3, PMC
	Los Banos	Rural	FP	SO_2, HNO_3, HCl, NH_3, PMC
Republic of Korea	Kanghwa	Rural	AT	SO_2, O_3, PM_{10}
			FP	PMC in $PM_{2.5}$
	Cheju (Kosan)	Remote	AT	SO_2, O_3, PM_{10}
			FP	PMC in $PM_{2.5}$
	Imsil	Rural	AT	SO_2, O_3, PM_{10}
			FP	PMC in $PM_{2.5}$
Russia	Mondy	Remote	FP	SO_2, HNO_3, HCl, NH_3, PMC
			AT	O_3
	Listvyanka	Rural	FP	SO_2, HNO_3, HCl, NH_3, PMC
	Irkutsk	Urban	FP	SO_2, HNO_3, HCl, NH_3, PMC
	Primorskaya	Rural	FP	SO_2, HNO_3, HCl, NH_3, PMC
Thailand	Bangkok	Urban	AT	SO_2, NO, NO_2, NO_x, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC
	Samutprakarn	Urban	AT	SO_2, NO, NO_2, NO_x, O_3
	Patumthani	Rural	FP	SO_2, HNO_3, HCl, NH_3, PMC
	Khanchanaburi (Vachiralongkorn Dam)	Remote	AT	SO_2, NO, NO_x*, O_3, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC
	Chiang Mai (Mae Hia)	Rural	AT	SO_2, NO, NO_x* O_3, PM_{10}
			FP	HNO_3, HCl, NH_3, PMC
Vietnam	Hanoi	Urban	FP	SO_2, HNO_3, HCl, NH_3, PMC
	Hoa Binh	Rural	FP	SO_2, HNO_3, HCl, NH_3, PMC

(Note 1) AT: Automatic monitor, FP: Filter pack, PMC: particulate matter components

(Note 2) NOx*: NOx measured by CLD in remote or rural sites.

(Note 3) Purposely monitor 2 weeks and 3 times per year at Khanchanaburi (Vachiralongkorn Dam) due to the site located in remote area

Table 4.2 Methods of automatic monitors in 2005

Country	Sites	Parameter			
		SO_2	NO_x	O_3	PM_{10} ($PM_{2.5}$)
China	Jinyunshan	UVF	CLD	-	β–ray
	Weishuiyuan	UVF	CLD	-	β–ray
	Hongwen	DOAS	DOAS	-	TEOM
	Xianzhou	DOAS	DOAS	-	TEOM
Japan	Rishiri	UVF	CLD	UVP	β–ray (TEOM)
	Tappi	UVF	CLD	UVP	TEOM
	Ogasawara	UVF	CLD	UVP	β–ray
	Sado-seki	UVF	CLD	UVP	TEOM
	Happo	UVF	CLD	UVP	β–ray
	Oki	UVF	CLD	UVP	TEOM (TEOM)
	Yusuhara	UVF	CLD	UVP	β–ray
	Hedo	UVF	CLD	UVP	β–ray
	Ijira	UVF	CLD	UVP	TEOM
	Banryu	UVF	CLD	UVP	TEOM
Republic of Korea	Kanghwa	UVF	CLD	UVP	β–ray
	Cheju (Kosan)	UVF	CLD	UVP	β–ray
	Imsil	UVF	CLD	UVP	β–ray
Russia	Mondy	-	-	UVP	-
Thailand	Bangkok	UVF	CLD	-	β–ray
	Samutprakarn	UVF	CLD	UVP	-
	Khanchanaburi	UVF	CLD	UVP	β–ray
	Chiang Mai	UVF	CLD	UVP	β–ray

(Note) UVF: ultraviolet fluorescent method, CLD: chemiluminescence detection method, UVP: ultraviolet photometric method, β –ray: β–ray absorption method, TEOM: Tapered Element Oscillating Microbalance method, DOAS: Differential Optical Absorption Spectroscopy method

Preparation of filter pack

Stage	Specification of filter	Collected species
1st (F0)	PTFE filter (pore size: 0.8μm, diameter: 47mm)	Aerosols
2nd (F1)	Polyamide filter (pore size: 0.45μm, diameter: 47mm)	HNO_3, SO_2, HCl, NH_3
3rd (F2)	Impregnated cellulose filter Solution: 6% K_2CO_3 + 2% glycerin	SO_2, HCl
4th (F3)	Impregnated cellulose filter Solution: 5% phosphoric acid + 2% glycerin	NH_3

↓

Sampling on site

Air flow rate: approximately 1 liter/minute
Sampling period: a week or two weeks

↓

Pretreatment of filter pack

Stage	Solvent	Extracted species
F0	Extracted by 20mL deionized water	SO_4^{2-}, NO_3^-, Cl^-, NH_4^+, Na^+, K^+, Ca^{2+}, Mg^{2+}
F1	Extracted by 20mL deionized water	SO_4^{2-}, NO_3^-, Cl^-, NH_4^+
F2	Extracted by 20mL 0.05%H_2O_2	SO_4^{2-}, Cl^-
F3	Extracted by 20mL deionized water	NH_4^+

↓

Chemical analysis

By Ion Chromatography or other suitable analytical methods

Fig. 4.1 Specification of four-stage filter pack method

4.2 Results of Monitoring

Monitoring data were summed up into monthly averaged values accompanied with maximum, minimum and data completeness for a month. For the calculations of monthly averages, non-detected data were regarded as zero. Summarized data are presented in Table 4.3 through Table 4.20.

In these tables, terms and abbreviations indicate the followings:

Mean : monthly arithmetic average value,
Max-d : maximum value of daily data in a month,
Min-d : minimum value of daily data in a month,
Max-w : maximum value of weekly data in a month,
Min-w : minimum value of weekly data in a month,
Max-2w : maximum value of biweekly data in a month,
Min-2w : minimum value of biweekly data in a month,
Max-* : maximum value of flexible interval data in a month,
Min-* : minimum value of flexible interval data in a month,
% : percentage of period of available data during a month,

In the Table 4.3 though Table 4.20, ppb unit for gas and $\mu g/m^3$ unit for particle were used. Approximate conversion ratios from ppb to $\mu g/m^3$, which are based on 20 **°C**, 1 atm, were shown in Table 4.21.

Actually detection limit depends on specification of instrument or procedures of sampling and analysis. NC set up expedient detection limits as shown in Table 4.22 taking into account methods adopted by each country. Data under the detection limit were treated as "N.D." in the Table 4.3 though Table 4.20. Regarding the particulate components measured by filter pack method, the detection limit is determined by blank test conducted in Japan every year. 10 monitoring sites in Japan have conducted the analysis of blank filters for every month since 2003. According to the results in 2005, the detection limit for particulate components was determined as 0.01 $\mu g/m^3$ for sampled air volume of 20.16 m^3 considering the value of 3σ, where σ is the standard deviation of blank filters for every test. Median of every 3σ for each particulate component analyzed in 2005 was summarized in Table 4.23.

Table 4.3 SO_2

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
China	Jinyunshan	Mean	30.0	24.2	20.6	19.4	11.2	15.8	12.6	9.0	10.6	8.2	19.0	32.3
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-d	62.6	49.1	42.4	36.0	19.1	33.0	26.3	31.9	30.0	20.3	44.3	99.0
		Min-d	13.1	11.3	9.4	5.6	6.4	6.4	1.5	2.3	0.8	0.8	3.8	11.6
	Weishuiyuan	Mean	21.7	15.3	13.9	10.5	9.4	9.3	7.4	7.7	8.3	8.8	11.9	15.7
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-d	32.3	25.9	22.5	19.1	17.3	16.1	11.6	11.6	11.6	15.0	17.3	30.0
		Min-d	9.8	9.8	6.4	4.1	5.3	3.4	3.4	2.3	3.4	2.3	8.6	9.8
	Hongwen	Mean	13.2	6.0	10.3	9.7	5.5	4.5	5.2	7.0	6.6	7.7	9.9	13.1
		%	94	100	97	100	100	100	100	100	100	97	100	100
		Max-d	21.8	16.9	21.8	17.3	8.6	12.0	9.4	15.0	14.3	15.8	16.1	25.5
		Min-d	7.5	1.9	5.3	1.5	1.9	1.1	1.9	1.1	1.9	1.5	3.4	6.0
	Xiang Zhou	Mean	8.7	6.2	5.3	4.4	2.2	2.4	2.1	2.5	4.8	5.9	7.2	23.9
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-d	16.5	15.4	12.0	12.4	6.8	4.5	3.0	6.4	12.8	13.5	17.6	39.8
		Min-d	1.5	1.5	1.9	1.5	1.1	1.5	1.1	1.1	1.1	3.0	1.9	8.6
Indonesia	Serpong	Mean	0.8	2.1	1.4	1.0	1.4	0.7	1.1	0.5	6.5	0.5	N.D.	0.3
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	2.0	2.3	1.6	1.2	1.8	-	1.2	0.7	6.6	0.8	0.2	0.7
		Min-w	0.2	1.9	1.2	0.8	1.0	-	1.1	0.3	6.4	0.1	N.D.	N.D.
Japan	Rishiri	Mean	0.5	0.2	0.3	0.1	N.D.	0.1	N.D.	N.D.	N.D.	0.1	0.3	0.1
		%	98	95	98	98	98	98	98	98	98	86	97	98
		Max-d	4.3	0.6	0.8	0.5	0.3	0.8	0.4	0.4	0.2	0.9	1.7	0.7
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Tappi	Mean	0.7	0.5	0.6	0.5	0.3	0.7	0.1	0.3	0.3	0.3	0.7	0.4
		%	97	93	94	99	98	89	95	99	99	99	99	99
		Max-d	3.0	1.7	2.0	1.2	1.4	3.4	0.7	1.4	0.6	0.8	3.3	0.8
		Min-d	0.1	0.1	0.1	0.2	N.D.	N.D.	N.D.	0.1	N.D.	N.D.	N.D.	N.D.
	Sado-seki	Mean	0.8	0.6	0.8	0.7	0.3	0.7	0.3	0.3	0.4	0.3	0.8	0.5
		%	87	98	98	98	98	89	98	96	93	90	79	62
		Max-d	6.8	3.9	2.3	3.0	1.2	2.2	1.1	1.1	2.8	0.9	2.2	2.2
		Min-d	N.D.	N.D.	0.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	N.D.
	Happo	Mean	0.6	0.6	1.2	1.1	0.9	0.6	0.2	0.6	0.2	0.5	1.2	1.0
		%	98	98	97	98	98	72	98	89	97	97	98	82
		Max-d	3.7	3.4	5.6	4.9	7.1	2.2	1.2	4.7	1.1	5.1	8.4	5.5
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
	Ijira	Mean	0.3	0.3	0.5	0.7	0.9	0.8	0.3	0.2	0.5	0.2	N.D.	N.D.
		%	100	100	100	98	99	98	98	99	98	99	92	97
		Max-d	1.1	1.2	2.4	2.3	4.4	5.9	1.7	1.6	2.0	0.9	0.2	0.1
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Oki	Mean	1.2	0.9	0.9	0.7	0.4	0.5	0.3	0.6	0.3	0.4	1.6	1.1
		%	41	63	93	95	96	95	61	70	97	84	95	97
		Max-d	4.0	3.8	2.9	2.2	1.4	2.2	1.0	2.1	1.6	2.4	7.5	7.0
		Min-d	0.1	N.D.	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Banryu	Mean	1.1	1.3	1.2	1.2	0.7	0.8	0.4	0.7	0.7	0.7	1.2	1.4
		%	97	96	87	97	97	97	96	97	98	88	97	89
		Max-d	4.5	3.4	2.8	2.7	1.9	1.7	1.1	2.4	2.0	2.6	3.7	3.6
		Min-d	N.D.	0.2	0.2	0.2	N.D.	0.1	N.D.	0.1	0.1	N.D.	0.1	0.2
	Yusuhara	Mean	1.1	1.2	1.8	1.6	0.8	0.8	1.1	0.8	0.4	0.4	1.6	1.7
		%	98	98	99	98	98	98	89	98	85	98	98	98
		Max-d	2.6	4.4	4.7	5.7	2.2	4.0	3.4	4.0	1.7	1.4	5.4	4.8
		Min-d	0.3	0.2	0.1	0.1	N.D.	0.1	0.1	N.D.	N.D.	N.D.	0.1	0.6
	Hedo	Mean	0.4	0.2	0.4	0.5	0.2	0.3	0.4	0.3	0.2	0.1	0.6	0.6
		%	99	99	98	98	97	97	98	97	98	97	98	98
		Max-d	3.9	2.1	2.4	3.7	2.1	3.2	1.7	2.2	1.8	1.1	2.6	2.1
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Ogasawara	Mean	N.D.	N.D.	N.D.	N.D.	0.1	0.2	N.D.	0.2	N.D.	N.D.	N.D.	0.2
		%	96	88	97	97	97	97	99	97	89	94	97	97
		Max-d	0.3	0.3	0.6	0.5	2.0	2.1	0.8	2.5	N.D.	0.2	0.3	0.6
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Table 4.3 SO_2

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Malaysia	TanahRata	Mean	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	0.4	0.2	0.2	0.2	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max	N.D.	0.2	0.1	0.1	0.1	0.2	0.5	1.0	0.3	0.5	0.2	0.1
		Min	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Petaling Jaya	Mean	3.4	4.2	4.0	8.2	8.5	4.2	3.1	1.4	2.8	1.4	0.9	3.7
		%	100	100	100	100	100	100	100	100	100	100	100	100
		c	4.6	6.2	6.8	12.2	9.8	13.6	8.0	2.2	5.7	4.4	1.3	5.6
		Min-w	1.6	3.0	1.2	4.3	6.9	0.6	0.3	1.0	1.5	0.5	N.D.	2.3
Mongolia	Ulaanbaatar	Mean	10.6	12.3	5.7	0.9	1.5	1.9	1.1	2.4	1.9	3.2	5.7	4.7
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	15.2	19.9	8.2	1.9	2.9	3.0	1.4	2.4	2.2	4.0	7.4	4.7
		Min-w	6.8	6.7	3.9	0.3	0.8	1.4	0.7	2.4	1.6	1.9	4.3	4.7
	Terelj	Mean	1.5	1.4	0.8	0.2	0.1	0.2	0.3	0.2	0.1	0.4	0.4	0.6
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	2.4	2.2	1.5	0.3	0.2	0.3	0.6	0.5	0.2	0.5	0.5	0.8
		Min-w	0.6	0.5	0.1	N.D.	N.D.	N.D.	N.D.	0.1	N.D.	0.2	0.2	0.5
Philippines	Metro Manila	Mean	2.8	6.1	3.0	2.8	2.5	2.4	3.6	3.2	4.0	2.5	2.3	1.5
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	6.6	11.2	4.2	3.6	3.2	3.4	4.5	3.5	5.7	3.5	2.6	2.1
		Min-w	0.3	3.5	2.1	2.2	1.3	0.2	2.8	2.9	2.7	2.1	2.1	0.7
	Los Banos	Mean	0.2	0.2	0.3	0.2	0.3	0.4	0.2	0.4	0.7	N.D.	0.1	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.3	0.3	0.4	0.3	0.6	0.6	0.3	0.7	1.2	0.2	0.3	N.D.
		Min-w	0.1	0.1	0.2	N.D.	0.2	0.2	N.D.	N.D.	0.2	N.D.	N.D.	N.D.
Republic of Korea	Kanghwa	Mean	4.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0	2.0	2.0	5.0	4.0
		%	81	98	99	100	99	98	97	100	99	88	96	99
		Max-d	6.0	8.0	7.0	7.0	5.0	4.0	4.0	4.0	6.0	9.0	19.0	13.0
		Min-d	1.0	1.0	1.0	1.0	N.D.	1.0	N.D.	N.D.	N.D.	N.D.	1.0	2.0
	Cheju	Mean	3.0	3.0	3.0	1.0	2.0	2.0	1.0	1.0	1.0	2.0	3.0	4.0
		%	99	92	99	100	99	93	97	99	99	100	92	92
		Max-d	10.0	9.0	8.0	4.0	3.0	3.0	4.0	3.0	2.0	7.0	10.0	12.0
		Min-d	N.D.	N.D.	1.0	N.D.	1.0	1.0	N.D.	1.0	1.0	1.0	1.0	1.0
	Imsil	Mean	3.0	3.0	3.0	3.0	4.0	2.0	2.0	1.0	1.0	2.0	3.0	3.0
		%	95	97	93	96	92	99	96	94	96	92	94	98
		Max-d	5.0	8.0	5.0	8.0	7.0	5.0	4.0	3.0	2.0	4.0	10.0	5.0
		Min-d	2.0	N.D.	1.0	1.0	1.0	1.0	1.0	1.0	N.D.	1.0	1.0	1.0
Russia	Mondy	Mean	0.6	1.0	0.7	1.7	1.1	1.5	1.7	1.0	1.0	1.0	1.4	1.3
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	0.7	1.2	0.8	1.7	1.1	1.9	1.7	1.3	1.1	1.0	1.5	1.4
		Min*	0.6	0.9	0.6	1.7	1.0	1.2	1.7	0.7	0.9	1.0	1.3	1.2
	Listvyanka	Mean	10.2	18.2	5.7	2.9	3.2	2.7	2.9	2.0	4.4	3.7	5.8	10.5
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	24.2	31.4	7.3	3.9	4.8	4.1	4.9	2.5	7.5	4.5	7.9	18.5
		Min-w	3.6	10.6	4.1	2.1	2.2	1.4	1.1	1.6	2.8	2.5	3.7	6.0
	Irkutsk	Mean	2.7	3.6	5.3	5.5	3.8	3.1	2.7	1.9	3.2	4.4	9.9	14.7
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	10.6	6.8	6.7	8.3	5.8	4.1	5.3	3.5	3.8	5.7	14.7	20.8
		Min*	0.2	0.8	2.7	3.0	3.0	2.0	1.4	0.9	2.6	3.0	6.1	10.8
	Primorskaya	Mean	2.7	2.1	1.5	0.9	0.9	0.7	0.5	0.5	1.9	1.9	2.8	2.3
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	3.5	2.2	2.0	1.1	1.4	1.0	0.5	0.9	2.0	2.1	2.9	2.4
		Min*	1.9	1.9	1.1	0.8	0.4	0.4	0.4	0.2	1.8	1.7	2.7	2.1

Table 4.3 SO_2

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Thailand	Bangkok	Mean	6.2	4.3	5.8	19.7	11.7	10.1	5.1	4.0	7.0	2.4	6.4	4.2
		%	100	100	100	100	100	100	100	100	100	100	97	100
		Max-d	64.4	7.1	117.3	135.3	54.3	37.1	47.3	30.0	39.0	5.0	73.9	6.7
		Min-d	1.6	2.1	N.D.	1.6	0.6	0.6	1.7	1.3	1.4	0.5	1.2	1.4
	Samutprakarn	Mean	6.8	4.0	5.5	4.8	6.0	6.8	9.2	10.6	6.0	6.9	5.9	6.2
		%	94	86	94	83	100	97	100	100	97	100	100	100
		Max-w	14.0	5.7	10.7	9.8	10.2	13.0	17.7	25.7	10.4	13.3	14.4	11.0
		Min-w	4.2	N.D.	2.8	0.5	1.2	2.0	2.8	3.1	N.D.	3.5	2.7	3.3
	Patumthani	Mean	1.7	1.4	1.3	2.5	1.6	1.6	3.3	N.D.	1.0	1.0	1.0	2.4
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	1.9	2.7	1.3	4.0	1.8	1.7	-	0.1	2.0	1.3	1.0	4.9
		Min-w	1.5	N.D.	1.3	0.3	1.5	1.5	-	N.D.	N.D.	0.8	1.0	0.7
	Khanchanaburi	Mean	-	-	1.1	-	-	-	-	-	-	-	1.4	-
	(Vachiralongkorn	%	0	0	32	0	0	0	0	0	0	0	13	0
	Dam)	Max-d	-	-	2.0	-	-	-	-	-	-	-	2.7	-
		Min-d	-	-	N.D.	-	-	-	-	-	-	-	N.D.	-
	Chiang Mai	Mean	0.9	0.8	0.8	0.7	1.2	0.7	1.4	0.7	1.2	1.1	1.4	1.6
	(Mae Hia)	%	90	100	74	90	35	57	35	45	7	19	13	68
		Max-d	2.4	2.4	2.0	1.8	1.8	1.5	1.8	1.6	1.2	1.7	2.0	4.5
		Min-d	N.D.	N.D.	N.D.	N.D.	0.2	0.3	0.2	0.2	1.2	0.6	1.0	0.4
Viet Nam	Ha Noi	Mean	4.3	2.3	2.3	2.1	1.8	3.6	3.4	1.9	1.5	0.1	3.5	1.6
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	7.6	2.7	2.5	2.5	3.5	5.0	3.9	2.7	3.7	0.2	6.7	2.4
		Min-w	2.7	2.0	2.1	1.8	0.9	1.6	2.9	0.7	0.2	N.D.	1.6	1.0
	Hoa Binh	Mean	3.8	2.1	4.9	3.8	3.1	2.4	1.7	2.0	2.5	2.8	1.4	2.2
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	6.1	5.0	7.4	5.5	3.7	3.6	2.0	2.5	3.4	4.5	1.9	3.0
		Min-w	2.0	0.9	1.4	1.8	2.6	0.5	1.5	1.7	1.7	1.0	1.0	1.7

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
Max-* : maximum value of flexible interval data in a month
Min-* : minimum value of flexible interval data in a month
% : percentage of period of available data during a month

Table 4.4 HNO_3

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	0.1	0.5	0.1	N.D.	0.3	0.6	0.2	1.8	1.5	0.1	0.3	N.D.
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	0.2	0.5	0.2	N.D.	0.3	-	0.2	1.8	2.6	0.1	0.3	N.D.
		Min-w	N.D.	0.4	N.D.	N.D.	0.3	-	0.2	1.7	0.5	N.D.	0.2	N.D.
Japan	Rishiri	Mean	N.D.	N.D.	N.D.	N.D.	N.D.	0.3	0.2	0.2	N.D.	N.D.	N.D.	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	N.D.	N.D.	N.D.	N.D.	N.D.	0.5	0.2	0.3	N.D.	N.D.	N.D.	N.D.
		Min-2w	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	0.2	N.D.	N.D.	N.D.	N.D.	N.D.
	Tappi	Mean	N.D.	N.D.	N.D.	N.D.	N.D.	0.7	0.3	0.6	0.2	N.D.	N.D.	N.D.
		%	100	100	100	50	100	100	100	100	100	100	100	100
		Max-2w	N.D.	N.D.	0.1	N.D.	N.D.	1.0	0.4	0.8	0.2	0.1	0.1	N.D.
		Min-2w	N.D.	N.D.	N.D.	N.D.	N.D.	0.4	0.3	0.3	N.D.	N.D.	N.D.	N.D.
	Sado-seki	Mean	N.D.	N.D.	N.D.	0.2	0.4	0.9	0.6	0.7	0.3	0.2	0.1	N.D.
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	N.D.	N.D.	N.D.	0.2	0.7	1.0	0.7	0.7	0.3	0.2	0.1	N.D.
		Min-2w	N.D.	N.D.	N.D.	0.2	0.2	0.8	0.5	0.7	0.3	0.2	0.1	N.D.
	Happo	Mean	0.1	0.1	0.2	N.D.	0.2	0.2	0.3	0.4	0.2	0.3	0.2	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.2	0.2	0.2	N.D.	0.3	0.3	0.4	0.8	0.3	0.4	0.2	N.D.
		Min-2w	N.D.	0.1	0.1	N.D.	0.1	0.1	0.3	0.2	N.D.	0.2	0.1	N.D.
	Ijira	Mean	N.D.	0.1	0.2	0.4	0.7	0.9	0.8	0.7	0.7	0.4	0.1	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	N.D.	0.1	0.2	0.6	0.9	1.0	0.9	1.0	0.7	0.4	0.2	N.D.
		Min-2w	N.D.	N.D.	0.2	0.3	0.5	0.7	0.6	0.4	0.7	0.3	N.D.	N.D.
	Oki	Mean	N.D.	N.D.	0.1	0.2	0.2	0.8	0.5	0.5	0.3	N.D.	0.1	N.D.
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	N.D.	N.D.	0.1	0.2	0.3	0.9	0.7	0.5	0.4	N.D.	0.2	0.1
		Min-2w	N.D.	N.D.	0.1	0.1	0.2	0.6	0.3	0.5	0.2	N.D.	0.1	N.D.
	Banryu	Mean	0.2	0.1	0.3	0.3	0.5	0.9	0.7	0.6	0.5	0.2	0.3	0.2
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	0.2	0.1	0.3	0.4	0.5	1.1	0.7	0.6	0.5	0.2	0.6	0.2
		Min-2w	0.1	0.1	0.2	0.3	0.5	0.7	0.7	0.6	0.5	0.2	N.D.	0.1
	Yusuhara	Mean	0.3	0.2	0.4	0.8	0.7	0.5	0.6	0.4	0.4	0.3	0.4	0.5
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.4	0.2	0.6	0.8	0.8	0.8	0.7	0.4	0.5	0.3	0.4	0.5
		Min-2w	0.3	0.1	0.3	0.8	0.6	0.3	0.5	0.4	0.3	0.2	0.3	0.5
	Hedo	Mean	N.D.	N.D.	0.1	0.3	0.1	N.D.	0.1	N.D.	N.D.	N.D.	0.2	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.1	N.D.	0.2	0.5	0.2	0.2	0.2	0.1	N.D.	N.D.	0.3	N.D.
		Min-2w	N.D.	N.D.	N.D.	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Ogasawara	Mean	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	N.D.
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	0	0	0	0.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.3	0.2
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Malaysia	TanahRata	Mean	N.D.	0.2	0.2	0.1	0.1	0.2	0.3	0.4	0.2	N.D.	N.D.	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.4	0.4	0.5	0.2	0.2	0.3	0.6	0.7	0.4	0.1	N.D.	N.D.
		Min-w	N.D.	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Petaling Jaya	Mean	0.6	0.6	0.2	0.9	0.9	2.0	1.3	0.6	0.5	0.5	0.1	0.6
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	1.8	0.9	0.3	1.3	1.2	3.0	4.2	1.0	0.6	0.8	0.3	1.7
		Min-w	0.2	0.3	N.D.	0.3	0.4	0.2	0.1	0.3	0.3	0.2	N.D.	0.2
Mongolia	Ulaanbaatar	Mean	0.2	0.4	N.D.	N.D.	N.D.	N.D.	0.1	0.1	0.1	N.D.	N.D.	N.D.
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	0.5	1.4	0.2	N.D.	N.D.	0.1	0.2	0.1	0.2	N.D.	N.D.	N.D.
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.1	N.D.	N.D.	N.D.	N.D.
	Terelj	Mean	0.2	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	0.4	0.3	0.1	0.1	N.D.	0.1	N.D.	0.1	N.D.	N.D.	N.D.	N.D.
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Philippines	Metro Manila	Mean	0.3	0.6	0.1	0.3	0.4	0.3	0.5	0.7	1.1	0.6	0.3	0.2
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.8	1.2	0.2	0.4	0.5	0.5	0.8	1.6	3.3	1.1	0.5	0.3
		Min-w	N.D.	0.3	N.D.	0.2	0.1	0.2	0.2	N.D.	N.D.	0.2	0.2	0.1
	Los Banos	Mean	N.D.	0.1	N.D.	N.D.	0.2	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.2	0.2	N.D.	N.D.	0.3	0.2	N.D.	N.D.	0.2	N.D.	N.D.	0.2
		Min-w	N.D.	N.D.	N.D.	N.D.	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Table 4.4 HNO_3

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Russia	Mondy	Mean	N.D.	N.D.	N.D.	0.2	0.1	0.2	0.3	N.D.	N.D.	N.D.	N.D.	N.D.
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	N.D.	N.D.	N.D.	-	0.2	0.2	-	N.D.	0.1	N.D.	N.D.	N.D.
		Min*	N.D.	N.D.	N.D.	-	N.D.	N.D.	-	N.D.	N.D.	N.D.	N.D.	N.D.
	Listvyanka	Mean	0.1	0.4	0.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	0.2	0.5	0.4	N.D.	0.1	N.D.	N.D.	N.D.	N.D.	0.1	0.2	N.D.
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Irkutsk	Mean	N.D.	N.D.	0.1	0.3	4.2	0.2	0.2	N.D.	N.D.	N.D.	N.D.	N.D.
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	0.1	0.2	0.2	0.5	16.1	0.3	0.6	0.1	N.D.	N.D.	N.D.	0.2
		Min*	N.D.	N.D.	N.D.	0.2	0.2	0.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Primorskaya	Mean	0.2	N.D.	N.D.	N.D.	N.D.	0.2	0.1	N.D.	N.D.	N.D.	N.D.	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	0.3	0.1	N.D.	N.D.	0.1	0.2	0.1	0.1	0.1	N.D.	N.D.	N.D.
		Min*	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Thailand	Bangkok	Mean	1.2	N.D.	0.5	0.3	0.3	0.3	0.4	0.3	0.3	0.7	-	1.1
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	1.3	-	0.9	-	0.5	0.6	0.6	-	0.4	1.4	-	1.4
		Min-w	1.0	-	0.2	-	0.2	0.1	0.3	-	N.D.	0.2	-	0.9
	Patumthani	Mean	0.8	0.4	0.4	0.4	0.5	0.1	N.D.	N.D.	N.D.	0.4	0.4	0.4
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	1.0	0.8	0.6	0.9	0.5	0.2	-	N.D.	N.D.	0.4	0.5	1.1
		Min-w	0.7	N.D.	0.3	N.D.	0.5	N.D.	-	N.D.	N.D.	0.3	0.3	N.D.
	Khanchanaburi	Mean	-	-	0.1	-	-	-	N.D.	-	-	-	N.D.	-
	(Vachiralongkorn	%	0	0	48	0	0	0	48	0	0	0	50	0
	Dam)	Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai	Mean	0.9	1.3	0.7	0.9	0.4	0.1	0.2	0.1	N.D.	N.D.	0.3	0.3
	(Mae Hia)	%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	1.0	1.4	1.0	1.2	0.5	0.3	0.2	0.2	0.1	0.2	0.4	0.4
		Min-w	0.8	1.1	N.D.	0.7	0.3	N.D.	0.1	N.D.	N.D.	N.D.	0.2	0.2
Viet Nam	Ha Noi	Mean	2.0	1.7	1.5	1.0	1.3	1.3	1.1	0.5	0.6	N.D.	0.6	0.5
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	5.1	2.8	2.2	1.4	2.9	2.1	1.5	1.1	1.2	0.2	0.8	1.1
		Min-w	0.8	1.0	0.7	0.7	0.5	0.4	0.7	0.1	N.D.	N.D.	0.4	0.3
	Hoa Binh	Mean	0.8	1.0	1.8	1.2	1.0	0.8	0.3	0.5	0.5	1.0	0.6	0.6
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	2.4	2.0	3.0	2.0	1.2	2.0	0.4	0.5	0.6	1.4	1.7	1.0
		Min-w	N.D.	N.D.	0.9	0.7	0.8	0.2	0.2	0.4	0.4	0.3	0.2	0.2

Mean : monthly arithmetic average value
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
Max-* : maximum value of flexible interval data in a month
Min-* : minimum value of flexible interval data in a month
% : percentage of period of available data during a month

Table 4.5 HCl

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	0.8	0.4	0.4	1.1	0.9	0.9	0.6	2.1	3.0	0.9	1.2	0.9
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	2.5	0.8	0.4	1.8	0.9	-	0.7	2.2	3.8	1.1	1.2	1.1
		Min-w	N.D.	N.D.	0.4	0.5	0.9	-	0.6	2.0	2.1	0.6	1.1	0.7
Japan	Rishiri	Mean	0.2	0.2	0.4	0.3	0.5	0.7	0.6	0.7	0.6	0.4	0.4	0.2
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.2	0.3	0.5	0.4	0.6	0.9	0.8	0.8	1.0	0.4	0.8	0.2
		Min-2w	0.2	0.2	0.3	0.1	0.4	0.6	0.4	0.6	0.2	0.3	0.1	0.1
	Tappi	Mean	0.3	0.3	0.6	0.5	0.4	0.8	0.7	0.8	0.6	0.5	0.6	0.3
		%	100	100	100	50	100	100	100	100	100	100	100	100
		Max-2w	0.4	0.4	0.6	0.5	0.6	1.0	0.8	0.9	0.7	0.6	0.9	0.3
		Min-2w	0.3	0.3	0.5	0.5	0.2	0.6	0.6	0.7	0.6	0.5	0.4	0.3
	Sado-seki	Mean	2.3	1.0	0.4	1.0	1.2	1.1	1.4	1.3	1.3	0.8	1.1	0.4
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	3.2	1.5	0.6	1.1	1.5	1.3	1.5	1.3	1.3	0.8	1.4	0.5
		Min-2w	1.5	0.5	0.2	1.0	1.0	0.7	1.3	1.3	1.3	0.7	0.9	0.3
	Happo	Mean	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.1
		Min-2w	N.D.	N.D.	0.2	0.1	0.2	0.1	0.1	0.1	N.D.	0.2	0.2	0.1
	Ijira	Mean	0.1	0.2	0.2	0.4	0.5	0.3	0.2	0.2	0.3	0.2	0.3	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.1	0.2	0.3	0.4	0.6	0.4	0.3	0.3	0.3	0.2	0.6	N.D.
		Min-2w	N.D.	0.2	0.2	0.3	0.4	0.2	0.1	0.2	0.3	0.2	0.1	N.D.
	Oki	Mean	0.7	0.5	1.0	1.0	1.1	1.0	1.0	1.3	1.2	0.7	1.1	0.7
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.8	0.7	1.1	1.1	1.3	1.0	1.4	1.5	1.5	0.8	1.3	0.9
		Min-2w	0.5	0.3	0.8	0.9	0.9	0.9	0.7	1.2	0.9	0.6	0.8	0.5
	Banryu	Mean	0.8	0.7	0.8	1.2	0.9	0.9	0.9	0.7	1.3	0.8	0.7	0.8
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	0.9	0.8	0.9	1.4	0.9	1.1	1.1	0.9	1.3	0.8	0.9	0.9
		Min-2w	0.7	0.7	0.8	1.0	0.9	0.7	0.7	0.5	1.3	0.8	0.4	0.7
	Yusuhara	Mean	0.3	0.3	0.4	0.5	0.4	0.3	0.5	0.4	0.5	0.4	0.4	0.6
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.4	0.4	0.5	0.6	0.5	0.4	0.5	0.4	0.5	0.4	0.5	0.6
		Min-2w	0.2	0.1	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.6
	Hedo	Mean	0.5	0.3	0.6	1.5	1.1	0.9	1.4	0.8	0.6	0.8	1.5	1.1
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.8	0.3	0.9	2.4	1.2	1.4	1.6	0.9	0.7	0.9	2.3	1.1
		Min-2w	0.3	0.2	0.4	0.6	0.9	0.6	1.3	0.7	0.6	0.7	0.8	1.0
	Ogasawara	Mean	0.6	0.7	0.3	0.6	0.3	0.2	0.5	0.3	0.5	0.1	0.7	0.7
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	1.2	1.0	0.9	0.9	0.5	0.3	0.8	0.6	1.5	0.3	1.2	2.3
		Min-w	0.1	N.D.	N.D.	0.1	0.2	N.D.	0.1	N.D.	0.1	N.D.	N.D.	N.D.
Malaysia	TanahRata	Mean	0.1	0.1	0.2	0.1	N.D.	0.1	0.2	0.2	0.1	0.1	0.1	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.2	0.2	0.4	0.2	0.2	0.2	0.5	0.4	0.2	0.1	0.2	N.D.
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Petaling Jaya	Mean	0.5	1.7	0.6	1.0	0.7	1.4	2.6	0.4	0.4	0.5	0.3	0.5
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.6	2.6	1.2	1.6	1.0	2.5	5.7	0.5	0.6	0.6	0.6	0.7
		Min-w	0.3	1.0	0.2	0.6	0.5	0.6	0.6	0.2	0.2	0.4	N.D.	0.3
Mongolia	Ulaanbaatar	Mean	1.3	2.2	1.0	0.4	0.5	0.7	0.4	1.2	0.3	0.2	0.2	0.2
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	1.9	3.3	2.3	0.6	0.7	1.0	0.6	1.2	0.4	0.3	0.3	0.2
		Min-w	0.7	1.3	0.2	0.2	0.2	0.3	0.2	1.2	N.D.	0.2	0.2	0.2
	Terelj	Mean	0.9	0.7	0.4	0.3	0.3	0.6	0.2	0.4	0.4	0.4	0.3	0.2
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	1.2	0.9	0.9	0.5	0.4	0.7	0.2	0.5	0.8	0.7	0.5	0.4
		Min-w	0.5	0.5	0.1	0.1	N.D.	0.4	N.D.	0.2	0.2	N.D.	N.D.	N.D.
Philippines	Metro Manila	Mean	0.5	0.9	0.4	0.6	0.6	0.5	0.6	0.6	1.1	1.6	1.6	1.6
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	1.1	1.5	0.6	0.8	1.1	0.6	0.8	0.9	1.9	2.1	1.9	2.5
		Min-w	N.D.	0.5	0.2	0.4	0.4	0.3	0.4	0.4	0.4	1.1	1.5	0.4
	Los Banos	Mean	0.6	0.5	0.5	0.6	0.3	0.4	0.2	0.1	0.3	0.2	0.3	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.8	0.6	0.7	0.7	0.4	0.5	0.3	0.2	0.3	0.3	0.5	0.1
		Min-w	0.4	0.4	0.3	0.4	0.3	0.2	N.D.	N.D.	0.2	N.D.	0.1	N.D.

Table 4.5 HCl

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Russia	Mondy	Mean	N.D.	N.D.	N.D.	0.1	N.D.	0.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	N.D.	N.D.	N.D.	-	N.D.	0.4	-	0.1	N.D.	N.D.	N.D.	N.D.
		Min*	N.D.	N.D.	N.D.	-	N.D.	N.D.	-	N.D.	N.D.	N.D.	N.D.	N.D.
	Listvyanka	Mean	N.D.	0.1	0.1	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	0.2	0.2	0.2	0.1	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Irkutsk	Mean	0.4	N.D.	0.1	0.2	0.9	0.2	0.1	N.D.	N.D.	N.D.	0.1	0.2
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	0.7	0.1	0.2	0.4	3.0	0.3	0.3	N.D.	N.D.	0.3	0.2	0.5
		Min*	N.D.	N.D.	N.D.	0.2	0.2	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Primorskaya	Mean	0.2	0.1	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.1	N.D.	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	0.2	0.1	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.2	N.D.	0.1
		Min*	0.1	N.D.	0.1	0.2	0.2	0.2	0.1	0.1	N.D.	N.D.	N.D.	N.D.
Thailand	Bangkok	Mean	0.9	9.8	1.0	0.7	0.4	0.8	1.4	0.3	0.2	0.3	-	0.6
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	1.3	-	1.5	-	0.6	1.2	2.7	-	0.2	0.5	-	0.7
		Min-w	0.6	-	0.6	-	0.2	0.4	0.2	-	0.1	N.D.	-	0.6
	Patumthani	Mean	0.7	0.5	0.6	0.6	0.4	1.6	0.5	N.D.	0.1	0.4	0.3	0.9
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	0.8	1.0	0.8	0.9	0.5	2.7	-	0.1	0.2	0.6	0.4	2
		Min-w	0.5	N.D.	0.5	N.D.	0.3	0.5	-	N.D.	N.D.	0.3	0.3	0
	Khanchanaburi	Mean	-	-	0.2	-	-	-	0.2	-	-	-	N.D.	-
	(Vachiralongkorn	%	0	0	48	0	0	0	48	0	0	0	50	0
	Dam)	Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai	Mean	0.9	0.5	0.5	0.3	0.4	0.4	0.3	0.4	N.D.	N.D.	0.4	0.2
	(Mae Hia)	%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	1.4	0.8	0.8	0.3	1.0	0.7	0.4	0.7	0.1	0.1	1.1	0.2
		Min-w	0.6	0.3	N.D.	0.2	N.D.	N.D.	0.3	0.2	N.D.	N.D.	0.1	N.D.
Viet Nam	Ha Noi	Mean	2.9	4.0	2.8	2.3	3.4	3.4	4.9	2.3	2.7	0.9	3.6	1.9
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	5.4	6.5	4.0	2.6	5.9	5.8	8.0	4.0	5.2	1.9	9.6	3.5
		Min-w	0.9	2.6	1.6	2.0	0.9	1.4	2.1	1.5	0.9	0.3	1.1	0.8
	Hoa Binh	Mean	1.1	3.2	3.2	3.5	2.5	2.5	2.2	2.3	1.9	2.8	1.5	1.5
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	1.6	5.8	5.1	5.3	2.8	3.9	2.6	2.9	2.2	5.0	2.3	2.1
		Min-w	0.3	0.2	2.4	2.4	2.1	1.5	1.7	1.8	1.5	1.4	1.0	1.1

Mean : monthly arithmetic average value
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
Max-* : maximum value of flexible interval data in a month
Min-* : minimum value of flexible interval data in a month
% : percentage of period of available data during a month

Table 4.6 NH_3

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	12.0	34.7	15.2	10.0	5.2	3.3	5.1	18.5	17.4	8.6	3.3	1.4
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	40.4	58.5	18.7	11.8	5.3	-	7.3	35.3	33.1	10.9	3.9	2.1
		Min-w	1.7	14.7	11.7	8.3	5.2	-	3.0	1.6	1.6	6.2	2.7	0.2
Japan	Rishiri	Mean	N.D.	N.D.	0.2	0.3	0.5	0.6	0.6	0.5	0.6	0.5	0.4	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	N.D.	N.D.	0.3	0.3	0.5	1.1	0.6	0.5	0.8	0.5	0.9	0.1
		Min-2w	N.D.	N.D.	0.1	0.3	0.5	0.3	0.6	0.5	0.3	0.5	0.2	N.D.
	Tappi	Mean	N.D.	N.D.	0.2	0.2	0.3	0.3	0.3	0.5	0.5	0.5	0.3	N.D.
		%	100	100	100	50	100	100	100	100	100	100	33	0
		Max-2w	0.1	N.D.	0.4	0.2	0.5	0.5	0.4	0.5	0.5	0.6	0.8	N.D.
		Min-2w	N.D.	N.D.	N.D.	0.2	0.2	0.2	0.1	0.4	0.5	0.5	N.D.	N.D.
	Sado-seki	Mean	N.D.	0.5	0.2	0.9	1.4	1.0	0.9	0.4	0.8	0.5	0.6	N.D.
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	N.D.	1.0	0.2	1.0	1.8	1.3	1.1	0.4	0.8	0.5	0.9	0.1
		Min-2w	N.D.	0.1	0.2	0.9	0.9	0.7	0.8	0.4	0.8	0.5	0.3	N.D.
	Happo	Mean	0.1	0.1	0.6	0.7	0.9	1.4	0.9	0.5	0.4	0.5	0.3	0.2
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.1	0.2	0.6	0.8	1.1	1.9	1.1	0.6	0.5	0.5	0.3	0.2
		Min-2w	0.1	0.1	0.6	0.5	0.7	0.9	0.8	0.4	0.3	0.5	0.3	0.2
	Ijira	Mean	0.2	0.4	0.5	1.6	1.6	1.7	1.7	1.9	1.6	1.4	0.7	0.3
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.3	0.4	0.5	2.0	2.3	2.0	1.8	2.4	1.7	1.4	0.9	0.3
		Min-2w	0.2	0.3	0.5	1.3	1.0	1.2	1.6	1.4	1.6	1.3	0.5	0.3
	Oki	Mean	0.2	0.3	0.7	1.4	1.1	1.0	1.1	1.0	1.0	0.7	0.8	0.5
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.2	0.4	0.8	1.6	1.2	1.3	1.4	1.2	1.2	0.8	0.9	0.8
		Min-2w	0.2	0.2	0.7	1.2	1.0	0.8	0.8	0.8	0.9	0.6	0.7	0.2
	Banryu	Mean	0.6	0.8	0.9	1.7	1.5	1.4	1.5	1.5	1.5	1.1	1.0	0.4
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	0.7	0.8	1.1	1.8	1.5	1.6	1.6	2.1	1.5	1.1	1.3	0.4
		Min-2w	0.5	0.7	0.8	1.7	1.5	1.2	1.4	0.8	1.5	1.1	0.8	0.4
	Yusuhara	Mean	0.1	0.2	0.3	1.3	0.6	0.5	0.9	0.4	0.4	0.3	0.2	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.1	0.2	0.4	1.7	0.6	0.5	1.2	0.5	0.4	0.3	0.2	N.D.
		Min-2w	N.D.	0.1	0.3	0.9	0.5	0.4	0.6	0.4	0.3	0.3	0.1	N.D.
	Hedo	Mean	0.4	0.3	0.6	1.6	1.1	0.8	0.8	1.1	0.9	1.0	0.9	0.3
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.5	0.4	0.8	1.9	1.2	1.1	1.1	1.2	0.9	1.2	1.0	0.4
		Min-2w	0.4	0.3	0.5	1.2	0.9	0.6	0.6	1.1	0.8	0.7	0.8	0.3
	Ogasawara	Mean	0.6	0.7	0.7	1.2	0.6	0.6	1.0	0.9	1.4	1.4	1.0	0.6
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	0.9	0.8	1.3	1.4	0.8	1.1	1.3	1.2	1.9	2.1	1.6	0.7
		Min-w	0.4	0.5	0.5	1.0	0.5	N.D.	0.6	0.5	1.0	0.6	0.7	0.6
Malaysia	TanahRata	Mean	1.0	1.1	1.5	1.4	1.8	0.6	0.7	3.4	1.3	1.0	0.6	0.8
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	1.5	1.4	2.0	2.1	2.1	1.0	1.2	8.3	1.4	1.7	1.0	1.1
		Min-w	0.7	0.8	1.1	0.8	1.1	0.3	0.2	0.8	1.2	0.6	0.1	N.D.
	Petaling Jaya	Mean	5.7	6.5	11.4	14.6	21.2	13.9	12.0	12.3	7.2	7.4	4.8	7.5
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	7.5	7.1	17.3	22.2	25.4	32.0	24.4	25.4	7.4	9.9	7.9	12.1
		Min-w	4.8	5.3	6.3	7.1	14.6	3.5	6.0	4.6	6.9	6.0	2.1	0.3
Mongolia	Ulaanbaatar	Mean	8.5	5.4	9.7	9.9	11.4	12.2	12.4	16.3	6.2	4.9	5.9	8.0
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	13.4	9.6	18.3	11.8	13.4	14.2	15.9	16.3	7.0	5.5	8.4	8.0
		Min-w	1.1	1.6	3.7	8.2	9.1	10.2	9.5	16.3	5.5	4.2	3.2	8.0
	Terelj	Mean	0.6	0.9	0.4	1.0	0.5	1.8	2.8	2.4	1.6	1.5	1.3	1.7
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	0.7	1.9	0.7	2.0	0.7	2.6	3.7	3.6	2.1	2.4	1.8	2.8
		Min-w	0.4	0.4	0.2	0.2	0.3	0.8	2.1	1.8	1.2	0.6	0.8	0.6
Philippines	Metro Manila	Mean	23.1	55.3	34.7	5.6	5.8	4.0	4.6	1.8	4.0	3.9	4.6	2.9
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	59.0	64.9	47.5	5.8	10.5	5.4	5.5	3.3	4.8	5.0	6.0	5.8
		Min-w	1.7	47.6	21.7	5.1	3.1	2.9	3.5	N.D.	3.0	1.3	1.5	1.7
	Los Banos	Mean	4.8	16.4	16.7	2.5	2.5	1.6	1.3	0.8	1.2	2.7	2.8	0.9
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	9.3	19.9	20.6	3.0	4.4	2.6	2.0	1.8	2.5	6.1	4.4	2.0
		Min-w	2.6	12.8	10.9	2.1	1.7	1.1	N.D.	0.3	0.5	1.5	2.1	N.D.

Table 4.6 NH_3

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Russia	Mondy	Mean	0.2	N.D.	0.3	1.2	0.8	0.7	0.9	1.6	1.5	1.0	1.1	1.1
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	0.2	N.D.	0.6	-	1.1	0.7	-	1.9	1.7	1.3	1.1	1.4
		Min*	N.D.	N.D.	N.D.	-	0.6	0.6	-	1.2	1.2	0.6	1.0	0.7
	Listvyanka	Mean	0.5	0.1	0.3	0.5	0.7	0.5	0.9	0.6	1.1	1.8	1.5	0.6
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	0.8	0.2	0.4	1.2	1.0	0.7	1.6	0.8	1.6	3.1	1.7	1.8
		Min-w	0.3	N.D.	N.D.	N.D.	0.5	0.2	N.D.	0.5	0.7	0.5	1.3	N.D.
	Irkutsk	Mean	0.4	0.7	1.4	1.3	1.7	1.8	2.4	1.9	3.2	3.3	2.1	1.7
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	0.7	2.1	2.6	2.0	2.3	2.3	3.3	2.4	3.6	3.6	3.4	2.6
		Min*	N.D.	N.D.	0.8	0.8	1.0	1.3	1.9	1.3	2.5	2.8	0.7	1.1
	Primorskaya	Mean	0.3	N.D.	0.5	1.6	1.0	1.6	2.3	2.4	1.4	1.5	1.3	0.5
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	0.5	N.D.	1.1	1.6	1.0	1.9	2.6	2.4	1.8	1.5	1.6	0.6
		Min*	0.1	N.D.	N.D.	1.6	1.0	1.2	2.1	2.3	1.0	1.4	1.0	0.5
Thailand	Bangkok	Mean	5.8	1.0	5.6	7.4	9.6	9.0	23.1	7.9	3.5	10.2	-	3.3
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	9.0	-	8.0	-	10.2	10.1	30.9	-	8.0	18.1	-	4
		Min-w	2.3	-	0.9	-	9.0	7.5	15.3	-	1.1	4.1	-	2
	Patumthani	Mean	8.4	0.8	9.0	7.4	13.4	7.6	8.0	2.6	3.5	6.9	6.2	1.6
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	12.3	1.5	9.3	12.1	14.2	7.9	-	4.9	4.5	9.1	8.6	3
		Min-w	6.0	0.2	8.8	0.2	12.5	7.3	-	0.2	2.5	4.6	3.7	1
	Khanchanaburi	Mean	-	-	1.0	-	-	-	2.5	-	-	-	2.2	-
	(Vachiralongkorn	%	0	0	48	0	0	0	48	0	0	0	50	0
	Dam)	Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai	Mean	4.5	7.4	2.3	6.4	3.6	1.8	2.5	0.1	1.3	1.8	2.1	1.6
	(Mae Hia)	%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	4.8	8.3	7.0	6.9	3.9	3.0	3.4	0.3	2.1	3.1	2.3	2.9
		Min-w	4.1	6.4	N.D.	5.5	3.4	1.0	2.0	N.D.	0.8	1.2	2.0	N.D.
Viet Nam	Ha Noi	Mean	5.6	8.2	6.0	3.6	3.3	4.6	3.2	1.4	1.7	2.0	4.9	4.2
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	7.4	12.6	8.2	5.5	6.3	10.3	4.0	2.0	2.4	3.2	5.7	5.7
		Min-w	4.6	3.9	4.1	2.8	2.0	2.1	2.3	0.8	0.9	1.2	4.0	2.5
	Hoa Binh	Mean	4.0	3.8	6.2	7.1	2.8	2.6	1.9	1.6	2.1	4.4	3.9	5.7
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	5.6	5.3	8.8	16.3	3.7	3.2	2.5	1.9	2.7	6.6	7.0	7.7
		Min-w	2.0	1.2	3.2	3.7	2.1	1.4	1.5	1.4	1.4	2.8	2.6	2.2

Mean : monthly arithmetic average value
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
Max-* : maximum value of flexible interval data in a month
Min-* : minimum value of flexible interval data in a month
% : percentage of period of available data during a month

Table 4.7 NO

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
China	Jinyunshan	Mean	1.0	0.8	0.5	0.5	0.5	0.5	0.6	0.6	1.5	2.5	0.9	1.5
		%	77	96	48	77	68	23	55	100	100	100	100	97
		Max-d	5.2	3.1	1.0	0.5	0.5	0.5	1.0	1.0	5.2	5.8	2.6	3.7
		Min-d	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.5	0.5
	Weishuiyuan	Mean	5.1	5.2	4.4	4.3	4.2	3.7	3.9	4.1	5.3	5.2	7.3	8.9
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-d	7.9	14.5	7.9	8.6	9.7	6.8	6.5	7.5	7.5	9.7	10.3	16.2
		Min-d	3.0	2.3	2.3	2.2	2.2	2.2	2.2	N.D.	2.9	2.2	3.7	5.3
Japan	Rishiri	Mean	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	98	95	98	98	98	98	98	98	98	86	97	98
		Max-d	N.D.	0.5	0.4	0.2	0.4	0.5	0.4	0.1	0.2	0.1	N.D.	N.D.
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Tappi	Mean	N.D.	N.D.	N.D.	N.D.	0.2	0.4	0.2	0.1	N.D.	N.D.	N.D.	N.D.
		%	99	99	99	99	99	90	99	99	97	99	99	99
		Max-d	0.2	0.1	0.2	0.3	0.7	1.3	0.4	0.8	0.2	0.1	0.2	0.3
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Sado-seki	Mean	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	88	98	98	98	98	89	73	20	93	90	79	62
		Max-d	0.2	N.D.	0.2	N.D.	0.2	0.2	0.1	0.1	0.2	N.D.	0.2	0.1
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Happo	Mean	0.2	0.2	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.1	0.2
		%	98	98	97	98	98	97	98	89	98	97	98	82
		Max-d	0.5	1.3	0.5	0.3	0.2	0.1	0.2	N.D.	0.2	0.7	0.4	0.8
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Ijira	Mean	0.2	0.2	0.1	0.3	0.1	0.1	0.4	0.6	0.5	0.3	0.2	0.4
		%	100	100	100	98	98	98	98	99	98	99	91	97
		Max-d	0.5	1.0	0.4	3.5	0.4	0.3	1.7	2.3	2.1	1.6	0.5	0.9
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Oki	Mean	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	41	63	93	95	96	95	61	70	97	84	94	97
		Max-d	N.D.	0.3	0.1	0.2	0.3	0.2	0.1	0.1	N.D.	N.D.	N.D.	0.2
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Banryu	Mean	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.6	0.4	0.4	0.3
		%	97	96	87	97	97	43	8	97	98	91	97	97
		Max-d	0.5	0.6	0.4	0.5	1.1	0.4	0.5	0.7	1.3	2.1	0.9	0.6
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.3	0.1	0.1	N.D.	0.1	N.D.
	Yusuhara	Mean	0.3	0.3	0.2	0.3	0.3	0.4	0.1	0.1	0.2	0.2	0.3	0.3
		%	98	98	99	98	98	98	89	24	71	98	98	98
		Max-d	0.5	0.4	0.5	0.4	0.3	0.5	0.2	0.1	0.2	0.3	0.3	0.4
		Min-d	0.3	0.2	0.1	0.2	0.3	0.3	N.D.	N.D.	N.D.	0.2	0.2	0.2
	Hedo	Mean	-	-	-	0.2	0.5	N.D.	0.1	N.D.	0.1	0.1	0.1	0.2
		%	0	0	0	73	97	21	63	71	98	97	98	79
		Max-d	-	-	-	1.8	8.8	0.1	0.4	0.4	0.3	0.3	0.4	0.3
		Min-d	-	-	-	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Ogasawara	Mean	N.D.	N.D.	N.D.	N.D.	N.D.	0.4	0.2	0.1	N.D.	N.D.	N.D.	N.D.
		%	96	88	97	97	96	15	97	97	89	94	96	97
		Max-d	0.3	0.2	0.3	N.D.	0.2	1.0	1.1	1.3	0.2	0.2	0.1	0.2
		Min-d	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Thailand	Bangkok	Mean	11.9	2.6	3.2	2.6	9.1	7.8	11.9	13.2	19.6	19.3	20.0	12.7
		%	100	93	68	73	97	100	100	100	100	100	93	100
		Max-d	69.6	9.4	19.3	8.9	41.4	30.0	38.8	54.4	51.4	55.9	56.2	43.0
		Min-d	2.0	1.0	0.2	0.3	0.6	1.6	1.3	1.4	3.0	2.7	1.2	0.5
	Samutprakarn	Mean	14.9	4.0	3.0	5.1	8.0	11.3	21.4	19.0	20.5	23.3	20.9	21.7
		%	100	100	100	90	100	100	100	100	100	100	100	100
		Max-w	87.6	8.5	20.3	20.7	16.3	34.1	42.4	41.1	44.3	53.2	40.9	73.8
		Min-w	0.9	1.7	0.2	0.3	1.2	1.9	4.9	0.7	2.9	3.5	2.5	2.3
	Khanchanaburi	Mean	-	-	1.0	-	-	-	-	-	-	-	1.1	-
	(Vachiralongkorn	%	0	0	45	0	0	0	0	0	0	0	30	0
	Dam)	Max-d	-	-	4.3	-	-	-	-	-	-	-	2.3	-
		Min-d	-	-	N.D.	-	-	-	-	-	-	-	0.6	-
	Chiang Mai	Mean	5.8	3.0	1.6	2.1	1.9	2.0	1.8	2.1	4.6	2.6	3.6	3.5
	(Mae Hia)	%	100	100	90	93	100	100	81	100	100	100	100	100
		Max-d	20.7	7.4	5.2	7.8	2.6	4.0	5.2	7.5	11.4	5.3	6.8	11.6
		Min-d	1.0	0.3	N.D.	N.D.	0.4	0.7	0.4	0.4	0.1	1.6	0.6	0.8

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
% : percentage of period of available data during a month

Table 4.8 NO_2

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
China	Hongwen	Mean	21.9	17.1	22.8	20.5	12.3	9.4	11.9	13.2	11.0	12.9	17.6	26.4
		%	94	100	97	100	100	100	100	100	100	97	100	100
		Max-d	51.3	46.5	55.4	49.2	24.6	17.8	24.1	29.3	27.2	20.4	36.6	57.5
		Min-d	12.0	6.8	10.5	4.2	6.3	2.1	3.7	3.7	5.8	6.3	9.9	9.9
	Xiang Zhou	Mean	21.2	19.3	20.4	15.0	8.3	11.6	11.4	12.7	17.2	21.2	19.8	48.1
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-d	35.6	37.7	33.5	28.2	15.2	16.7	15.7	22.0	25.6	30.9	42.9	60.7
		Min-d	9.9	12.0	12.0	6.8	4.2	5.2	4.7	3.7	9.9	15.7	11.0	23.0
Japan	Banryu	Mean	3.7	4.3	4.3	4.2	3.3	3.5	3.9	2.6	3.4	3.6	4.0	3.6
		%	98	96	87	97	97	43	8	97	98	91	97	97
		Max-d	7.4	8.8	6.4	6.7	8.5	6.1	4.3	4.6	6.1	6.9	7.4	6.1
		Min-d	1.4	2.1	2.6	1.8	1.8	1.7	3.2	N.D.	2.1	1.4	1.3	1.8
Thailand	Bangkok	Mean	30.1	16.0	18.1	15.9	19.3	17.0	18.7	16.4	18.4	26.6	30.0	31.2
		%	100	100	68	73	100	100	100	100	100	100	93	100
		Max-d	60.7	21.3	32.3	27.0	43.5	25.3	36.8	20.2	31.7	42.3	42.0	49.5
		Min-d	17.1	6.1	13.9	8.7	10.0	12.2	11.1	10.5	11.6	15.7	19.4	2.8
	Samutprakarn	Mean	21.9	6.9	8.2	8.7	10.7	12.0	16.9	13.5	16.2	23.0	26.2	32.5
		%	100	100	100	90	100	100	100	100	97	100	100	100
		Max-d	55.2	13.0	37.0	31.7	16.3	22.1	30.1	19.4	27.1	35.0	38.4	52.8
		Min-d	8.4	4.2	4.4	1.2	5.2	4.8	9.7	4.1	8.5	12.5	11.6	15.3

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
% : percentage of period of available data during a month

Table 4.9 NOx

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
China	Jinyunshan	Mean	13.6	11.0	9.4	6.7	4.9	3.6	5.2	4.4	4.8	4.4	8.0	10.9
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-d	34.0	25.6	19.4	13.1	8.4	8.4	13.1	9.4	7.8	7.8	20.9	20.4
		Min-d	6.8	5.8	3.7	2.6	1.6	1.0	2.1	2.1	2.6	2.1	2.6	5.2
	Weishuiyuan	Mean	17.9	16.2	13.5	11.6	11.5	12.0	10.1	11.5	14.5	14.2	20.1	23.3
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-d	31.3	27.6	27.0	22.7	25.9	18.8	15.3	20.6	20.9	25.9	27.0	42.9
		Min-d	7.8	8.2	7.4	5.3	6.0	6.4	4.2	2.1	8.2	5.3	13.2	15.3
Japan	Rishiri	Mean	0.7	0.7	1.0	1.0	0.8	1.2	0.8	0.8	0.7	1.1	1.0	0.6
	(NOx*)	%	98	95	98	98	98	98	98	98	98	86	97	98
		Max-d	2.0	1.5	2.6	2.7	2.3	3.8	1.6	2.6	1.7	2.0	2.4	1.1
		Min-d	0.3	0.3	0.5	0.2	0.3	0.2	0.2	0.2	0.3	0.6	0.4	0.3
	Tappi	Mean	0.9	0.9	1.1	1.4	2.0	2.9	1.5	1.5	1.0	1.2	1.1	0.8
	(NOx*)	%	99	99	99	99	99	90	99	99	97	99	99	99
		Max-d	1.8	2.2	2.7	3.2	7.4	12.8	5.5	4.7	2.1	2.4	2.0	1.8
		Min-d	0.4	0.3	0.2	0.4	0.6	0.5	0.4	0.5	N.D.	0.3	0.5	0.4
	Sado-seki	Mean	1.3	1.1	1.9	2.0	1.3	1.5	1.0	1.0	1.2	1.2	1.4	1.0
	(NOx*)	%	88	97	98	98	98	89	73	20	93	90	79	62
		Max-d	4.2	2.9	4.1	3.8	3.3	3.5	1.8	1.8	3.7	3.1	3.6	1.8
		Min-d	0.3	0.6	0.8	0.9	0.4	0.3	0.4	0.5	0.2	0.4	0.7	0.6
	Happo	Mean	1.8	2.1	2.4	2.4	2.7	3.2	2.1	2.1	2.1	2.1	1.8	2.2
	(NOx*)	%	98	98	97	98	98	97	98	89	97	95	98	82
		Max-d	5.5	4.6	3.8	3.7	5.6	7.0	3.4	4.8	5.5	4.8	4.3	4.2
		Min-d	0.6	0.9	1.0	1.0	0.9	0.5	0.8	0.5	0.7	0.9	0.7	1.1
	Ijira	Mean	1.8	2.5	2.8	4.7	3.8	3.5	4.6	4.3	5.1	3.7	2.5	3.0
	(NOx*)	%	100	100	100	98	98	98	98	99	98	98	91	97
		Max-d	4.7	10.0	8.2	10.5	9.9	6.4	9.3	9.5	14.5	11.2	6.6	9.4
		Min-d	0.3	N.D.	0.6	0.7	0.4	0.4	0.7	1.0	0.5	0.5	0.6	0.8
	Oki	Mean	2.0	1.4	2.4	2.2	1.9	1.6	1.4	1.3	1.0	1.3	2.1	1.3
	(NOx*)	%	41	63	93	95	96	95	61	70	97	84	94	97
		Max-d	4.2	2.7	4.3	5.2	4.6	3.3	2.5	3.1	2.9	2.6	4.8	3.8
		Min-d	0.8	0.7	0.9	1.0	0.8	N.D.	0.5	N.D.	N.D.	0.4	0.8	N.D.
	Banryu	Mean	4.0	4.6	4.5	4.4	3.5	3.6	4.3	2.9	3.9	3.9	4.4	3.8
		%	97	96	87	97	97	43	8	97	98	91	97	97
		Max-d	7.7	9.3	6.7	6.9	9.6	6.5	4.8	5.2	7.3	7.1	7.9	6.5
		Min-d	1.6	2.2	2.9	1.9	2.0	1.8	3.5	1.0	2.3	1.5	1.6	2.0
	Yusuhara	Mean	2.4	2.6	2.0	2.2	1.6	1.5	1.1	0.5	1.1	1.3	2.1	2.7
	(NOx*)	%	98	98	99	98	98	98	89	24	71	98	98	98
		Max-d	4.1	4.6	3.9	4.2	3.5	3.2	3.1	0.7	2.0	2.5	4.4	5.0
		Min-d	0.9	1.6	0.7	1.2	0.8	1.0	0.4	0.3	0.3	0.5	0.8	1.6
	Hedo	Mean	-	-	-	1.0	1.3	0.6	0.5	0.5	0.4	0.4	0.8	0.7
	(NOx*)	%	0	0	0	73	97	21	63	71	98	97	98	79
		Max-d	-	-	-	3.9	15.7	1.3	0.9	1.6	0.9	0.9	1.3	1.4
		Min-d	-	-	-	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.4	0.3
	Ogasawara	Mean	1.2	1.0	1.0	0.3	0.2	1.0	0.4	0.4	N.D.	0.2	0.4	1.4
	(NOx*)	%	96	88	97	97	96	15	97	97	89	94	96	97
		Max-d	3.6	2.6	2.9	2.0	1.1	1.9	2.4	3.6	0.4	3.1	1.8	3.0
		Min-d	0.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.4
Thailand	Bangkok	Mean	42.0	18.2	22.0	18.5	28.6	24.8	30.6	29.5	38.0	46.0	50.0	44.0
		%	100	100	68	73	100	100	100	100	100	100	93	100
		Max-d	132.0	28.5	61.7	36.4	85.1	50.9	75.8	73.9	82.7	98.2	91.7	77.0
		Min-d	19.9	6.7	12.9	8.9	10.4	14.0	12.3	12.0	16.3	20.2	20.6	3.1
	Samutprakarn	Mean	36.6	10.0	10.6	13.5	18.6	23.4	38.3	32.5	37.2	46.2	47.1	54.1
		%	100	100	100	90	100	100	100	100	97	100	100	100
		Max-w	142.8	21.0	57.3	52.4	31.3	51.5	61.2	59.0	62.9	80.5	76.3	110.9
		Min-w	10.8	4.6	4.2	3.5	6.4	7.8	14.9	4.7	14.6	16.6	16.3	23.2
	Khanchanaburi	Mean	-	-	5.3	-	-	-	-	-	-	-	5.7	-
	(Vachiralongkorn	%	0	0	42	0	0	0	0	0	0	0	30	0
	Dam)	Max-d	-	-	7.8	-	-	-	-	-	-	-	9.7	-
	(NOx*)	Min-d	-	-	3.8	-	-	-	-	-	-	-	4.1	-
	Chiang Mai	Mean	19.9	19.5	13.4	5.2	3.8	4.0	5.4	6.3	4.3	7.9	8.9	7.2
	(Mae Hia)	%	100	100	90	93	100	100	81	100	100	100	100	100
	(NOx*)	Max-d	38.0	35.8	22.4	22.2	6.3	6.1	10.0	11.3	13.8	13.4	16.4	14.6
		Min-d	8.9	9.4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	4.0	N.D.	N.D.

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
% : percentage of period of available data during a month

Table 4.10 O_3

Unit:ppb			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Japan	Rishiri	Mean	43	46	53	55	46	45	31	33	36	42	39	40
		%	98	95	98	98	98	98	98	98	98	86	97	98
		Max-d	49	53	68	79	59	73	54	55	57	58	63	45
		Min-d	34	40	46	45	35	29	19	21	22	30	31	33
	Tappi	Mean	49	53	61	65	54	52	40	45	47	52	50	44
		%	43	99	99	99	98	89	99	99	99	99	97	62
		Max-d	57	59	74	93	82	79	58	65	69	65	72	48
		Min-d	44	45	54	53	34	26	26	32	28	44	38	42
	Sado-seki	Mean	41	46	55	61	56	61	41	42	42	47	45	40
		%	88	98	98	98	98	89	98	96	93	90	79	62
		Max-d	49	53	64	83	79	82	61	68	63	59	64	43
		Min-d	35	37	47	48	44	41	26	25	21	39	38	35
	Happo	Mean	50	57	67	75	73	69	56	50	45	50	56	49
		%	98	98	97	98	98	97	98	89	97	94	98	82
		Max-d	63	71	90	109	94	93	71	72	61	67	72	55
		Min-d	38	42	54	40	57	33	29	27	23	41	37	36
	Ijira	Mean	26	32	37	40	40	17	20	14	8	13	10	13
		%	100	100	100	97	99	98	98	98	99	98	92	97
		Max-d	37	42	45	61	54	47	32	34	17	22	22	28
		Min-d	16	17	17	17	21	6	7	4	4	5	4	5
	Oki	Mean	40	43	52	58	55	49	39	40	37	44	43	37
		%	41	65	93	95	96	95	61	70	97	84	96	97
		Max-d	48	52	68	73	79	69	60	73	48	54	61	43
		Min-d	33	35	43	39	35	16	26	17	19	37	31	33
	Banryu	Mean	34	39	46	53	50	42	30	28	25	31	32	33
		%	97	96	88	97	97	97	94	97	98	91	96	97
		Max-d	43	49	60	69	68	57	50	52	45	41	49	41
		Min-d	24	22	37	33	35	14	15	10	11	23	17	24
	Yusuhara	Mean	38	42	53	58	55	41	35	20	32	46	52	49
		%	99	99	99	96	99	99	90	99	83	81	71	99
		Max-d	43	51	67	77	73	69	55	43	64	64	69	58
		Min-d	31	29	45	29	37	16	13	6	3	31	40	41
	Hedo	Mean	44	42	51	51	46	16	8	17	23	33	44	42
		%	99	99	99	99	99	99	99	99	99	99	99	99
		Max-d	48	51	61	77	65	61	24	37	47	55	60	47
		Min-d	41	23	40	22	16	3	2	6	9	9	26	36
	Ogasawara	Mean	42	43	48	43	31	-	-	8	15	24	39	40
		%	97	88	97	98	97	0	0	24	90	94	98	98
		Max-d	47	50	61	62	56	-	-	15	29	46	51	45
		Min-d	36	23	34	15	9	-	-	6	5	7	20	31
Republic of Korea	Kanghwa	Mean	31	44	51	54	57	49	32	34	40	38	35	29
		%	81	98	99	100	99	99	100	99	99	100	97	99
		Max-d	38	51	65	73	82	64	55	77	72	57	51	35
		Min-d	25	38	40	30	46	34	17	16	27	27	20	17
	Cheju	Mean	31	36	46	51	50	39	35	28	29	47	45	43
		%	99	100	99	100	99	93	95	99	99	99	92	95
		Max-d	37	48	69	68	61	59	54	55	49	65	77	68
		Min-d	24	27	36	28	26	18	14	10	9	26	31	33
	Imsil	Mean	24	30	41	45	40	28	21	21	21	31	33	28
		%	99	100	99	99	99	99	96	96	98	99	98	98
		Max-d	32	39	51	62	52	45	33	42	38	47	49	43
		Min-d	17	10	24	30	27	14	7	7	9	15	23	16
Russia	Mondy	Mean	43	45	48	52	54	51	41	34	34	35	37	37
		%	100	100	100	100	100	100	100	100	77	90	100	87
		Max-d	45	49	56	64	61	58	51	53	44	49	46	45
		Min-d	25	41	46	47	42	33	33	31	28	28	26	28
Thailand	Samutprakarn	Mean	5	19	20	18	15	12	12	9	9	15	15	19
		%	19	68	97	80	100	97	97	94	83	94	93	87
		Max-d	8	31	40	51	22	24	27	16	18	22	22	33
		Min-d	3	2	10	8	7	7	6	4	6	8	8	10
	Khanchanaburi	Mean	-	-	28	-	-	-	-	-	-	-	5	-
	(Vachiralongkorn	%	0	0	45	0	0	0	0	0	0	0	50	0
	Dam)	Max-d	-	-	43	-	-	-	-	-	-	-	9	-
		Min-d	-	-	20	-	-	-	-	-	-	-	3	-
	Chiang Mai	Mean	26	32	31	31	30	14	14	8	11	16	13	18
	(Mae Hia)	%	100	100	90	93	100	100	87	100	100	100	100	100
		Max-d	65	42	44	49	44	24	22	13	21	27	28	40
		Min-d	14	23	23	13	15	6	8	2	4	8	5	10

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
% : percentage of period of available data during a month

Table 4.11 PM_{10}

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
China	Jinyunshan	Mean	108	86	58	59	65	65	39	26	45	22	66	78
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-d	224	155	142	100	279	148	84	81	118	74	144	185
		Min-d	55	29	11	12	20	11	4	3	3	3	4	13
	Weishuiyuan	Mean	163	117	110	127	114	98	75	87	89	99	153	181
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-d	375	163	210	241	162	194	122	142	131	235	269	465
		Min-d	53	76	64	80	56	59	37	32	52	33	69	82
	Hongwen	Mean	65	44	85	74	44	34	35	50	74	92	95	99
		%	90	100	97	100	100	100	100	100	100	97	93	97
		Max-d	142	125	136	125	90	88	89	111	173	149	159	175
		Min-d	30	14	28	19	18	9	9	8	26	19	20	52
	Xiang Zhou	Mean	51	36	32	40	31	30	27	29	30	50	46	84
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-d	80	123	62	55	47	43	38	55	79	85	100	135
		Min-d	26	23	25	28	21	20	18	15	18	21	19	35
Japan	Rishiri	Mean	9	9	19	21	-	8	12	17	14	16	19	8
		%	96	96	96	74	0	20	88	88	88	74	85	88
		Max-d	36	22	54	150	-	11	29	52	51	44	62	18
		Min-d	4	5	5	4	-	5	5	4	4	5	2	3
	Tappi	Mean	12	13	21	33	16	21	14	19	18	22	24	10
		%	100	100	100	100	100	100	100	100	100	100	89	100
		Max-d	23	28	50	163	44	55	37	40	53	63	64	27
		Min-d	6	5	3	8	6	6	5	11	8	11	12	5
	Sado-seki	Mean	20	17	28	37	24	28	20	21	20	20	29	18
		%	90	100	100	100	100	100	100	100	25	93	100	56
		Max-d	68	35	67	88	75	81	42	43	37	38	70	31
		Min-d	3	6	6	16	7	6	8	11	10	7	10	8
	Happo	Mean	5	-	13	27	18	20	13	23	-	11	11	3
		%	0	0	73	82	90	97	99	20	0	17	36	65
		Max-d	5	-	46	65	57	44	31	32	-	21	28	9
		Min-d	5	-	1	4	5	5	1	15	-	5	4	1
	Ijira	Mean	9	12	21	36	24	29	30	25	24	17	18	7
		%	100	100	100	100	100	100	100	99	100	100	100	99
		Max-d	20	47	63	71	56	47	51	39	47	27	41	12
		Min-d	5	3	5	9	7	12	9	13	4	8	5	4
	Oki	Mean	23	27	33	48	29	28	24	25	19	24	36	24
		%	99	68	97	100	99	99	99	100	100	100	98	100
		Max-d	56	59	76	116	65	77	56	51	41	55	108	52
		Min-d	9	10	6	21	9	11	9	11	9	10	11	7
	Banryu	Mean	21	26	30	46	32	30	29	26	25	26	30	23
		%	100	99	99	100	100	100	99	99	100	100	100	100
		Max-d	44	72	57	95	62	67	67	43	48	53	90	65
		Min-d	6	10	9	20	8	13	13	12	14	11	10	7
	Yusuhara	Mean	10	15	22	34	24	22	27	21	20	16	23	14
		%	100	100	100	95	94	90	78	81	76	85	93	94
		Max-d	23	58	45	71	55	39	52	32	40	28	66	42
		Min-d	4	1	4	7	7	6	7	4	4	3	7	5
	Hedo	Mean	29	28	40	41	37	37	40	27	30	29	43	37
		%	100	99	100	100	100	99	100	100	100	100	100	100
		Max-d	61	66	86	111	83	77	77	62	71	50	89	60
		Min-d	10	12	18	12	14	17	15	12	11	8	18	9
	Ogasawara	Mean	12	14	15	18	9	10	11	9	7	9	13	13
		%	99	98	100	100	93	54	28	27	91	99	100	100
		Max-d	17	24	31	39	22	28	21	16	16	16	20	22
		Min-d	6	5	8	3	2	4	5	4	2	4	4	7

Table 4.11 PM_{10}

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Republic of Korea	Kanghwa	Mean	53	44	65	67	56	68	70	45	45	62	70	46
		%	81	97	90	65	99	95	100	92	98	99	93	99
		Max-d	95	80	148	122	113	150	165	100	198	158	140	104
		Min-d	26	5	27	40	16	25	14	4	5	31	32	27
	Cheju	Mean	24	28	40	47	42	43	48	31	26	38	56	40
		%	100	100	90	65	90	93	92	100	97	99	93	95
		Max-d	39	87	106	79	79	94	104	61	48	117	137	97
		Min-d	9	3	7	5	14	16	17	12	11	13	12	14
	Imsil	Mean	42	36	45	50	54	85	76	46	36	58	68	49
		%	99	84	90	65	97	95	94	86	94	100	93	99
		Max-d	120	65	77	88	109	144	171	79	21	146	159	109
		Min-d	18	8	30	30	18	35	23	20	69	27	42	30
Thailand	Bangkok	Mean	67	38	40	39	33	28	31	33	31	46	55	69
		%	81	100	68	73	77	70	100	100	90	100	93	84
		Max-d	145	56	122	72	48	37	49	56	61	69	92	132
		Min-d	26	N.D.	27	23	19	18	N.D.	N.D.	N.D.	26	24	20
	Khanchanaburi	Mean	-	-	82	-	-	-	-	-	-	-	38	-
	(Vachiralongkorn	%	0	0	45	0	0	0	0	0	0	0	37	0
	Dam)	Max-d	-	-	211	-	-	-	-	-	-	-	84	-
		Min-d	-	-	39	-	-	-	-	-	-	-	N.D.	-
	Chiang Mai	Mean	82	121	102	70	43	27	22	24	23	35	29	42
	(Mae Hia)	%	94	100	90	93	100	100	77	100	97	100	90	100
		Max-d	131	199	157	157	67	45	34	34	47	59	47	88
		Min-d	50	56	41	36	17	17	12	14	14	16	22	16

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
% : percentage of period of available data during a month

Table 4.12 $PM_{2.5}$

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Japan	Rishiri	Mean	6	6	10	10	7	11	7	10	8	11	9	5
		%	100	99	100	100	100	100	100	100	100	100	98	100
		Max-d	21	9	21	40	14	40	22	30	33	35	28	11
		Min-d	2	3	4	3	2	3	3	2	4	4	3	2
	Oki	Mean	11	12	16	19	15	20	15	19	13	14	17	9
		%	98	68	99	99	99	99	97	100	70	53	94	94
		Max-d	34	26	33	30	28	55	43	40	29	27	55	25
		Min-d	4	4	6	9	5	5	4	5	3	6	6	4

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
% : percentage of period of available data during a month

Table 4.13 Particulate matter component: SO_4^{2-}

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	0.92	6.59	0.62	1.87	2.04	0.33	0.37	0.97	3.80	0.20	0.11	0.18
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	1.13	17.35	0.64	3.44	2.69	-	0.40	1.16	4.11	0.31	0.12	0.23
		Min-w	0.66	0.08	0.61	0.30	1.39	-	0.34	0.77	3.49	0.10	0.09	0.13
Japan	Rishiri	Mean	1.11	1.25	3.25	2.85	2.29	4.10	4.37	3.71	2.77	2.27	2.64	0.72
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	1.16	1.41	3.78	3.31	2.29	4.82	4.95	4.32	4.12	2.27	5.80	0.92
		Min-2w	1.06	1.09	2.72	2.40	2.29	3.10	3.78	3.11	1.41	2.27	0.69	0.52
	Tappi	Mean	2.44	1.33	4.84	4.29	4.26	7.44	4.77	5.10	2.67	2.74	5.00	2.22
		%	100	54	100	50	100	100	100	100	100	100	100	100
		Max-2w	2.93	2.65	5.09	4.29	4.26	12.70	5.79	6.72	3.30	2.96	6.23	2.91
		Min-2w	1.95	N.D.	4.60	4.29	4.26	4.15	3.76	3.47	2.04	2.52	4.01	1.52
	Sado-seki	Mean	2.55	4.52	2.70	3.12	1.77	6.54	6.83	9.31	5.46	2.50	2.30	1.37
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	3.58	4.53	4.03	4.71	2.83	8.33	7.63	9.31	5.46	3.29	2.73	2.06
		Min-2w	1.52	4.51	1.38	1.53	0.72	3.53	6.02	9.31	5.46	1.70	1.86	0.69
	Happo	Mean	0.85	1.64	2.82	2.92	1.79	3.94	5.05	5.62	1.65	1.64	2.52	0.58
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	1.32	2.49	4.17	3.09	3.32	6.00	5.95	8.93	3.19	1.79	2.69	0.73
		Min-2w	0.38	1.17	1.48	2.75	0.25	1.89	4.15	3.96	0.10	1.49	2.35	0.42
	Ijira	Mean	1.74	2.36	4.72	4.93	5.84	8.61	10.61	7.63	6.30	3.38	3.60	1.15
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	2.21	2.74	4.76	5.58	6.10	9.19	11.88	10.15	6.45	3.66	4.14	1.15
		Min-2w	1.26	1.98	4.68	4.29	5.59	7.92	9.35	5.10	6.15	3.11	2.98	1.15
	Oki	Mean	3.70	3.80	6.08	6.60	5.74	11.32	9.26	9.42	5.97	3.27	5.53	4.83
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	4.53	4.71	6.45	6.96	6.77	13.87	11.99	11.12	7.44	3.53	6.55	6.52
		Min-2w	2.87	2.86	5.70	6.24	4.71	8.77	6.53	7.72	4.50	3.02	4.51	3.14
	Banryu	Mean	3.96	4.55	6.15	7.06	5.54	10.07	9.97	7.64	7.22	3.97	5.94	3.95
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	4.75	4.75	6.15	7.07	5.54	11.29	10.21	8.06	7.22	3.97	7.61	4.51
		Min-2w	3.16	4.34	6.14	7.06	5.54	8.15	9.72	7.23	7.22	3.97	2.66	3.40
	Yusuhara	Mean	3.48	4.15	6.06	7.32	7.09	9.25	11.30	6.25	5.10	3.53	5.40	4.83
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	3.59	6.18	6.83	7.98	7.91	9.79	12.27	6.38	7.29	4.08	6.17	4.83
		Min-2w	3.37	2.12	5.29	6.65	6.28	8.50	10.34	6.12	2.91	2.97	4.20	4.83
	Hedo	Mean	1.01	2.20	5.01	2.93	6.73	5.78	8.89	4.37	6.33	4.74	7.95	7.88
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	1.05	3.99	6.03	5.64	7.51	7.27	9.18	5.14	6.60	5.38	10.85	8.51
		Min-2w	0.97	0.42	3.99	0.22	5.94	4.07	8.60	3.60	6.05	4.10	4.74	7.26
	Ogasawara	Mean	0.08	0.14	0.16	2.30	0.16	0.44	2.59	1.07	1.09	0.31	0.57	1.55
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	0.16	0.24	0.36	5.79	0.18	1.13	4.71	3.09	3.17	1.24	2.11	4.40
		Min-w	N.D.	0.05	0.07	0.19	0.14	N.D.	0.17	0.13	0.17	0.02	0.03	0.13
Malaysia	TanahRata	Mean	0.93	2.05	2.27	0.66	0.75	1.44	1.37	1.74	1.06	0.15	0.27	0.13
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	4.02	3.30	4.71	2.52	1.72	2.60	3.46	4.10	1.75	0.64	0.46	0.24
		Min-w	N.D.	0.02	0.18	N.D.	N.D.	0.02	N.D.	0.43	0.31	N.D.	0.04	0.01
	Petaling Jaya	Mean	0.28	0.15	0.29	0.32	0.25	12.07	8.01	1.56	1.71	0.68	0.41	1.34
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.62	0.51	0.48	1.11	0.48	28.18	37.90	3.21	3.28	2.53	0.89	3.77
		Min-w	N.D.	N.D.	0.17	0.07	0.03	0.30	0.10	N.D.	0.46	0.07	N.D.	0.04
Mongolia	Ulaanbaatar	Mean	17.14	11.53	5.59	1.27	1.85	2.06	2.20	1.79	1.76	2.94	5.98	7.08
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	25.02	17.61	11.56	2.81	4.28	3.35	4.21	1.79	1.86	4.45	8.10	7.08
		Min-w	7.86	2.63	1.46	0.37	0.73	1.19	1.10	1.79	1.66	2.07	3.03	7.08
	Terelj	Mean	0.95	1.41	1.58	1.52	0.12	0.40	0.60	0.66	0.49	0.45	0.86	1.23
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	1.90	2.69	3.05	3.42	0.26	0.76	1.75	1.58	0.97	1.07	1.05	1.28
		Min-w	0.07	0.56	0.15	0.33	0.06	N.D.	0.06	0.22	N.D.	0.04	0.72	1.16
Philippines	Metro Manila	Mean	2.01	5.93	3.16	3.83	3.99	2.70	3.10	4.88	3.61	3.09	2.08	1.32
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	3.99	9.90	3.67	6.88	6.09	3.99	5.03	8.03	4.91	4.26	2.49	1.86
		Min-w	0.08	3.34	2.19	0.82	2.67	1.46	0.15	2.42	3.05	1.45	1.57	0.83
	Los Banos	Mean	1.03	3.09	3.20	4.69	2.58	0.84	1.19	0.84	1.55	0.61	0.48	0.42
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	1.41	4.03	3.45	7.87	5.07	1.23	2.44	1.67	1.84	1.21	1.07	1.01
		Min-w	0.33	1.61	2.70	2.41	1.46	0.33	0.59	N.D.	1.15	N.D.	0.03	0.01

Table 4.13 Particulate matter component: SO_4^{2-}

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Republic of Korea	Kanghwa	Mean	-	4.18	7.22	7.67	4.04	8.31	14.48	4.63	2.81	9.09	7.43	2.35
		%	0	7	19	7	16	17	16	16	17	16	17	16
		Max-d	-	4.72	10.77	11.18	8.29	12.20	29.24	11.82	4.61	25.00	14.69	3.03
		Min-d	-	3.63	3.89	4.16	0.30	5.43	0.39	0.70	0.29	3.26	1.35	1.64
	Cheju	Mean	7.10	6.03	7.59	5.30	7.37	9.43	19.64	1.66	1.74	6.76	7.56	5.15
		%	13	14	19	17	16	17	13	16	13	16	17	16
		Max-d	11.95	10.44	15.46	7.33	15.99	16.49	35.31	3.89	2.96	15.30	18.88	7.24
		Min-d	2.94	1.92	3.07	1.84	0.77	0.34	6.51	0.16	0.29	3.34	1.81	2.87
	Imsil	Mean	9.34	4.39	9.51	5.63	13.38	17.29	18.38	8.50	8.08	4.60	7.12	5.23
		%	13	11	19	17	16	17	16	16	17	13	17	16
		Max-d	30.35	9.53	23.04	11.51	22.16	28.13	40.41	20.88	11.26	6.30	15.50	8.98
		Min-d	1.34	0.99	0.76	0.71	8.58	11.10	1.47	0.47	4.40	3.63	1.59	2.44
Russia	Mondy	Mean	0.33	0.30	0.23	0.38	0.70	0.31	0.39	0.18	0.19	0.25	0.38	0.44
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	0.37	0.55	0.27	-	0.8	0.4	-	0.28	0.22	0.25	0.44	0.54
		Min*	0.29	0.04	0.18	-	0.6	0.3	-	0.08	0.15	0.25	0.32	0.34
	Listvyanka	Mean	1.92	3.12	1.40	0.68	0.68	0.08	0.15	0.26	0.14	0.56	0.28	0.24
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	4.23	4.92	3.06	1.13	1.47	0.09	0.21	0.36	0.26	1.39	0.70	0.52
		Min-w	0.37	0.85	0.46	0.18	0.10	0.08	0.08	0.19	0.06	0.05	0.09	0.14
	Irkutsk	Mean	5.81	2.94	2.01	2.07	2.10	1.07	1.51	1.49	1.00	1.58	4.32	6.16
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	12.30	4.52	3.13	2.99	3.29	1.84	3.08	2.04	1.39	2.90	5.62	9.09
		Min*	2.19	1.30	0.86	1.08	0.41	0.36	0.37	0.87	0.77	0.79	1.96	4.61
	Primorskaya	Mean	6.17	3.07	4.25	4.37	2.83	4.72	3.46	2.44	3.55	2.58	4.30	3.48
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	9.03	3.19	5.05	4.60	4.36	5.59	4.70	3.64	4.79	3.16	5.83	3.63
		Min*	3.31	2.96	3.44	4.15	1.29	3.85	2.21	1.23	2.30	2.00	2.77	3.32
Thailand	Bangkok	Mean	3.18	0.93	8.38	0.63	2.36	2.15	2.12	2.92	0.17	0.23	-	0.33
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	4.74	-	9.47	-	3.39	3.11	3.14	-	0.26	0.44	-	0.62
		Min-w	0.96	-	7.15	-	1.32	1.44	1.10	-	0.05	0.10	-	0.04
	Patumthani	Mean	1.55	0.17	5.38	0.35	3.30	0.89	0.01	N.D.	0.03	1.22	1.03	2.78
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	1.81	0.33	6.88	0.55	4.30	1.74	-	N.D.	0.04	2.70	1.49	4.07
		Min-w	1.36	0.01	3.88	0.24	2.29	0.05	-	N.D.	0.02	0.14	0.58	0.34
	Khanchanaburi (Vachiralongkorn Dam)	Mean	-	-	0.28	-	-	-	0.03	-	-	-	0.13	-
		%	0	0	48	0	0	0	48	0	0	0	50	0
		Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai (Mae Hia)	Mean	2.41	4.04	1.61	1.48	0.39	0.11	0.07	0.52	0.11	0.29	1.23	1.11
		%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	4.77	4.35	2.62	4.09	0.50	0.32	0.19	1.06	0.21	0.50	1.90	2.05
		Min-w	N.D.	3.64	0.60	0.04	0.32	N.D.	N.D.	0.07	N.D.	N.D.	0.07	0.47
Viet Nam	Ha Noi	Mean	54.44	44.49	55.32	10.29	8.51	8.59	12.23	2.87	5.74	0.39	20.46	20.69
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	99.40	68.41	67.05	12.63	21.11	16.71	17.17	4.91	20.53	0.61	64.73	84.20
		Min-w	9.07	10.03	34.71	8.00	0.68	0.90	3.66	1.22	0.13	0.20	1.18	0.22
	Hoa Binh	Mean	11.67	1.51	1.45	11.54	4.59	5.61	5.31	4.24	14.49	36.72	20.31	31.43
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	49.84	2.94	2.31	18.20	14.62	10.91	6.90	5.37	22.16	70.57	66.17	50.97
		Min-w	0.13	0.63	0.30	0.20	0.12	0.88	3.81	2.64	7.78	1.21	2.51	1.11

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
% : percentage of period of available data during a month

Table 4.14 Particulate matter component: NO_3^-

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	0.24	0.70	0.14	0.16	0.54	0.19	0.05	4.54	10.90	0.42	0.74	0.04
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	0.45	1.56	0.15	0.31	0.79	-	0.09	8.57	21.50	0.67	1.30	0.09
		Min-w	0.02	0.13	0.14	N.D.	0.29	-	N.D.	0.51	0.30	0.17	0.18	0.01
Japan	Rishiri	Mean	0.15	0.17	0.71	0.89	0.77	0.49	0.37	0.42	0.61	0.86	0.84	0.10
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.16	0.18	0.91	1.03	0.79	0.86	0.51	0.58	0.76	0.97	2.15	0.11
		Min-2w	0.14	0.17	0.51	0.76	0.76	0.24	0.22	0.26	0.46	0.74	0.11	0.09
	Tappi	Mean	0.31	0.21	1.47	1.38	2.03	0.44	0.69	0.57	0.91	1.38	1.27	0.38
		%	100	54	100	50	100	100	100	100	100	100	100	100
		Max-2w	0.37	0.42	1.61	1.38	2.14	0.72	0.90	1.11	1.08	1.63	2.42	0.51
		Min-2w	0.26	N.D.	1.34	1.38	1.91	0.04	0.47	0.04	0.74	1.13	0.46	0.25
	Sado-seki	Mean	0.24	0.46	0.97	1.52	0.74	0.28	0.73	0.12	1.29	1.09	0.59	0.09
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	0.36	0.61	1.36	2.62	1.10	0.54	0.75	0.12	1.29	1.52	1.00	0.12
		Min-2w	0.12	0.30	0.59	0.42	0.37	0.08	0.71	0.12	1.29	0.66	0.16	0.06
	Happo	Mean	N.D.	0.02	1.14	0.88	0.50	0.09	0.07	0.01	0.05	0.09	0.38	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.01	0.04	1.81	0.90	0.92	0.15	0.09	0.02	0.09	0.15	0.72	N.D.
		Min-2w	N.D.	N.D.	0.46	0.87	0.08	0.03	0.06	N.D.	0.02	0.02	0.05	N.D.
	Ijira	Mean	0.23	0.43	0.90	1.34	0.70	0.27	0.14	0.08	0.22	0.39	0.63	0.47
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.26	0.54	0.93	1.54	0.76	0.36	0.22	0.09	0.39	0.47	0.76	0.47
		Min-2w	0.20	0.32	0.88	1.15	0.63	0.12	0.06	0.06	0.04	0.32	0.43	0.47
	Oki	Mean	1.14	0.79	2.41	2.70	1.54	0.34	0.41	0.44	0.65	1.16	1.75	1.79
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	1.33	1.42	2.67	2.92	1.69	0.45	0.51	0.54	0.81	1.29	1.77	2.66
		Min-2w	0.95	0.44	2.15	2.48	1.40	0.22	0.31	0.34	0.49	1.04	1.73	0.92
	Banryu	Mean	1.75	2.22	2.33	2.82	1.46	0.50	0.20	0.58	0.56	1.13	1.74	1.89
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	1.99	2.32	2.37	3.28	1.46	0.83	0.34	0.83	0.56	1.13	3.16	2.18
		Min-2w	1.50	2.12	2.28	2.36	1.46	0.34	0.05	0.34	0.56	1.13	0.93	1.60
	Yusuhara	Mean	0.33	1.52	1.21	1.11	0.35	0.02	N.D.	0.10	0.13	0.48	1.35	0.43
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.49	2.50	1.48	1.70	0.51	0.06	0.02	0.12	0.15	0.83	2.42	0.43
		Min-2w	0.16	0.54	0.94	0.51	0.19	N.D.	N.D.	0.08	0.12	0.14	0.65	0.43
	Hedo	Mean	0.26	0.41	1.36	0.95	1.23	0.91	0.78	1.00	0.90	1.69	1.95	1.91
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.32	0.69	1.87	1.77	1.38	1.69	1.12	1.40	1.35	2.17	2.52	2.05
		Min-2w	0.21	0.14	0.84	0.13	1.08	0.48	0.45	0.60	0.45	1.20	1.41	1.77
	Ogasawara	Mean	N.D.	N.D.	0.03	0.60	0.02	0.03	0.11	0.09	0.11	0.04	0.16	0.29
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	N.D.	N.D.	0.10	1.49	0.04	0.07	0.24	0.33	0.19	0.17	0.55	0.97
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.02	N.D.
Malaysia	TanahRata	Mean	0.19	0.26	0.30	0.05	0.09	0.33	0.09	0.44	0.14	N.D.	0.24	0.01
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.52	0.64	0.55	0.12	0.19	1.02	0.21	0.92	0.27	0.01	0.88	0.02
		Min-w	N.D.	0.01	0.04	N.D.	0.03	N.D.	N.D.	0.06	0.02	N.D.	N.D.	N.D.
	Petaling Jaya	Mean	4.00	0.34	0.08	0.09	0.33	3.24	0.74	0.49	0.62	0.47	0.61	0.58
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	18.37	1.32	0.17	0.26	0.64	11.03	2.28	0.94	1.43	0.75	2.10	1.34
		Min-w	N.D.	N.D.	0.03	N.D.	N.D.	0.07	0.20	N.D.	0.30	0.11	N.D.	0.06
Mongolia	Ulaanbaatar	Mean	3.29	3.91	1.86	0.37	0.60	0.97	1.16	0.91	0.95	1.40	1.91	1.97
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	6.52	7.50	4.17	0.87	0.89	1.24	1.66	0.91	1.07	2.04	2.52	1.97
		Min-w	0.87	0.56	0.40	0.05	0.28	0.63	0.72	0.91	0.83	0.89	1.55	1.97
	Terelj	Mean	0.21	0.26	0.20	0.22	0.06	0.19	0.17	0.12	0.10	0.12	0.19	0.34
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	0.48	0.40	0.44	0.34	0.08	0.25	0.29	0.17	0.14	0.26	0.25	0.51
		Min-w	0.09	0.16	0.04	0.12	0.04	0.12	0.07	0.06	0.06	0.04	0.15	0.17
Philippines	Metro Manila	Mean	1.65	2.51	1.64	0.94	0.72	0.61	0.56	0.57	0.78	1.00	1.20	1.09
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	4.77	3.85	2.51	1.59	1.01	0.77	0.83	0.96	1.21	1.44	1.48	1.83
		Min-w	0.04	1.44	1.14	0.32	0.33	0.36	0.01	0.26	0.45	0.70	0.73	0.65
	Los Banos	Mean	0.34	0.91	0.90	0.41	0.25	0.24	0.16	0.21	0.29	0.46	0.44	0.37
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.63	1.11	1.22	0.78	0.44	0.40	0.27	0.50	0.51	0.64	0.59	0.59
		Min-w	0.11	0.73	0.52	N.D.	0.12	0.03	0.11	N.D.	0.12	0.28	0.24	0.24

Table 4.14 Particulate matter component: NO_3^-

Unit:μg/m³			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Republic of Korea	Kanghwa	Mean	-	0.81	6.64	1.25	0.71	0.34	0.77	0.31	0.29	2.74	4.95	1.53
		%	0	7	19	7	16	17	16	16	17	16	17	16
		Max-d	-	0.88	14.42	1.37	1.61	0.47	2.29	0.59	0.42	8.79	16.30	3.62
		Min-d	-	0.74	2.00	1.12	0.15	0.22	0.14	0.14	0.07	0.40	0.42	0.74
	Cheju	Mean	0.03	0.19	0.87	0.27	0.16	0.08	0.14	0.14	0.28	0.18	0.62	0.24
		%	13	14	19	17	16	17	13	16	13	16	17	16
		Max-d	0.09	0.49	2.65	0.68	0.43	0.16	0.36	0.20	0.40	0.33	2.37	0.63
		Min-d	N.D.	N.D.	0.18	N.D.	0.06	0.02	0.05	0.09	0.19	0.12	0.01	0.06
	Imsil	Mean	3.92	0.93	4.65	0.37	0.20	0.54	0.48	0.24	0.37	0.57	3.54	2.97
		%	13	11	19	17	16	17	16	16	17	13	17	16
		Max-d	14.67	1.33	14.71	1.29	0.52	0.98	1.61	0.69	0.74	1.09	8.22	5.64
		Min-d	0.29	0.67	0.28	0.07	0.04	0.36	0.08	0.11	0.19	0.19	0.71	0.11
Russia	Mondy	Mean	0.02	0.02	0.01	N.D.	0.03	0.03	0.02	0.02	N.D.	0.01	0.01	0.02
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	0.02	0.02	0.01	-	0.1	0.1	-	0.02	0.01	0.02	0.01	0.03
		Min*	0.01	0.02	N.D.	-	N.D.	N.D.	-	0.01	N.D.	0.01	N.D.	0.01
	Listvyanka	Mean	0.24	0.62	0.53	0.29	0.05	0.02	0.02	0.02	0.03	0.09	0.08	0.06
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	0.62	1.95	1.77	1.21	0.08	0.03	0.04	0.03	0.06	0.21	0.16	0.14
		Min-w	0.04	0.03	0.05	N.D.	0.03	0.01	N.D.	N.D.	N.D.	0.03	0.03	0.02
	Irkutsk	Mean	1.57	0.58	0.69	0.39	0.40	0.19	0.50	0.24	0.31	0.43	1.39	1.49
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	4.25	1.62	1.41	0.85	0.91	0.45	0.98	0.39	0.59	0.73	2.06	1.99
		Min*	0.03	0.07	0.10	0.08	N.D.	N.D.	0.06	0.13	0.17	0.20	0.56	0.83
	Primorskaya	Mean	2.54	1.52	2.02	1.80	0.36	0.19	0.20	0.15	0.22	1.55	1.93	2.38
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	2.84	1.55	2.73	1.81	0.40	0.25	0.22	0.20	0.34	2.64	2.14	2.42
		Min*	2.23	1.48	1.32	1.78	0.32	0.13	0.18	0.09	0.10	0.45	1.73	2.34
Thailand	Bangkok	Mean	6.62	0.41	5.17	0.70	2.09	1.71	0.91	1.94	0.10	11.08	-	0.38
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	8.97	-	6.15	-	2.88	2.41	1.16	-	0.14	33.03	-	0.74
		Min-w	2.30	-	4.30	-	1.31	1.03	0.66	-	0.04	0.04	-	0.02
	Patumthani	Mean	7.72	0.22	1.40	0.12	1.59	0.96	0.01	N.D.	0.05	0.21	0.47	0.83
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	8.96	0.39	1.84	0.21	2.00	1.84	-	0.02	0.07	0.38	0.52	2.16
		Min-w	7.09	0.04	0.96	0.07	1.19	0.09	-	N.D.	0.02	0.11	0.41	0.14
	Khanchanaburi (Vachiralongkorn Dam)	Mean	-	-	0.16	-	-	-	N.D.	-	-	-	0.04	-
		%	0	0	48	0	0	0	48	0	0	0	50	0
		Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai (Mae Hia)	Mean	0.68	1.17	0.53	0.23	0.50	N.D.	0.15	0.20	0.11	0.04	0.23	0.16
		%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	0.75	1.62	0.76	0.38	0.93	N.D.	0.33	0.49	0.20	0.09	0.26	0.21
		Min-w	0.62	0.70	0.20	0.08	0.21	N.D.	N.D.	N.D.	0.06	N.D.	0.19	0.10
Viet Nam	Ha Noi	Mean	37.92	26.73	31.11	6.65	5.08	2.09	4.82	0.82	0.89	0.67	3.40	6.08
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	69.56	31.99	40.23	8.82	16.96	3.50	7.28	1.41	2.67	1.61	9.84	25.17
		Min-w	10.15	19.86	22.39	4.17	0.53	0.69	0.64	0.47	0.17	0.34	0.39	0.19
	Hoa Binh	Mean	4.05	0.44	0.47	2.34	1.06	0.86	1.08	0.73	1.02	1.79	1.48	5.17
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	16.82	0.64	0.77	3.55	2.91	1.08	1.30	0.98	1.59	3.53	3.92	10.01
		Min-w	0.13	0.22	0.10	0.08	0.10	0.45	0.78	0.43	0.61	0.23	0.49	0.51

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
% : percentage of period of available data during a month

Table 4.15 Particulate matter component: Cl⁻

Unit:μg/m³			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	0.31	0.43	1.12	0.93	0.56	0.17	0.23	1.96	4.90	0.54	1.15	0.60
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	0.61	1.08	1.22	1.55	0.60	-	0.29	1.96	7.70	0.70	1.80	0.73
		Min-w	N.D.	0.01	1.01	0.30	0.52	-	0.16	1.95	2.10	0.37	0.49	0.53
Japan	Rishiri	Mean	0.97	1.41	4.93	3.25	2.53	0.16	0.37	1.37	2.48	6.06	3.80	0.90
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	1.04	1.83	5.40	3.49	3.44	0.37	0.63	2.56	3.04	6.40	5.69	1.04
		Min-2w	0.89	0.99	4.47	3.01	1.61	0.02	0.12	0.19	1.92	5.72	2.39	0.77
	Tappi	Mean	5.01	2.83	10.63	12.07	7.61	0.10	0.29	0.66	2.49	4.13	18.93	7.46
		%	100	54	100	50	100	100	100	100	100	100	100	100
		Max-2w	5.54	5.66	14.02	12.07	8.22	0.22	0.37	1.28	3.03	4.94	28.66	10.61
		Min-2w	4.47	N.D.	7.25	12.07	6.99	N.D.	0.21	0.03	1.95	3.33	13.85	4.31
	Sado-seki	Mean	1.05	13.77	3.45	2.21	1.70	0.13	0.26	0.20	2.13	1.92	5.28	4.84
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	1.51	24.67	5.26	2.43	2.07	0.34	0.41	0.20	2.13	2.25	7.67	7.19
		Min-2w	0.58	2.86	1.63	2.00	1.32	N.D.	0.12	0.20	2.13	1.58	1.45	2.49
	Happo	Mean	0.01	N.D.	0.06	0.03	0.04	N.D.	N.D.	N.D.	0.03	0.02	0.05	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.01	N.D.	0.10	0.03	0.05	N.D.	N.D.	0.02	0.05	0.05	0.09	N.D.
		Min-2w	0.01	N.D.	0.02	0.02	0.03	N.D.	N.D.	N.D.	0.02	N.D.	N.D.	N.D.
	Ijira	Mean	0.04	0.09	0.08	0.08	0.04	0.02	0.01	N.D.	0.01	0.04	0.07	0.03
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.05	0.13	0.09	0.10	0.05	0.04	0.02	0.01	0.03	0.06	0.10	0.03
		Min-2w	0.04	0.05	0.06	0.07	0.02	N.D.	N.D.	N.D.	N.D.	0.02	0.03	0.03
	Oki	Mean	4.98	4.56	3.63	2.91	0.70	0.10	0.26	0.19	1.09	2.47	3.02	6.63
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	5.65	5.61	4.22	3.39	0.96	0.17	0.38	0.33	1.41	3.02	3.53	6.68
		Min-2w	4.32	3.96	3.04	2.42	0.45	0.03	0.13	0.05	0.77	1.92	2.51	6.58
	Banryu	Mean	3.33	2.55	1.59	1.37	1.15	0.04	0.04	0.03	1.61	0.57	1.38	3.47
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	4.36	3.01	1.66	1.68	1.15	0.05	0.06	0.04	1.61	0.57	2.05	3.61
		Min-2w	2.31	2.10	1.51	1.07	1.15	0.02	0.02	0.01	1.61	0.57	0.10	3.33
	Yusuhara	Mean	N.D.	0.09	0.04	0.04	0.03	N.D.	0.11	0.06	0.13	0.06	0.18	0.06
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	N.D.	0.18	0.05	0.06	0.04	0.03	0.11	0.07	0.15	0.09	0.43	0.06
		Min-2w	N.D.	N.D.	0.03	0.02	0.02	N.D.	0.11	0.06	0.12	0.03	0.06	0.06
	Hedo	Mean	1.28	3.18	6.34	1.34	1.93	5.26	2.74	3.24	21.11	10.92	7.22	22.87
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	1.69	5.42	7.23	2.31	2.31	7.53	4.02	5.47	39.43	14.72	9.19	30.93
		Min-2w	0.88	0.93	5.45	0.36	1.54	3.68	1.46	1.01	2.79	7.13	5.02	14.80
	Ogasawara	Mean	0.23	0.47	0.40	1.68	0.17	0.36	0.97	1.21	1.51	1.37	0.94	1.92
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	0.41	0.86	0.69	5.05	0.26	0.81	2.66	4.54	2.36	6.66	3.22	4.40
		Min-w	0.14	0.09	0.19	0.04	0.12	N.D.	0.16	N.D.	0.27	N.D.	0.01	0.09
Malaysia	TanahRata	Mean	0.02	0.04	0.05	N.D.	0.01	0.03	0.04	0.06	0.02	N.D.	0.12	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.05	0.09	0.06	0.01	0.03	0.10	0.09	0.17	0.04	0.04	0.25	0.01
		Min-w	N.D.	N.D.	0.02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Petaling Jaya	Mean	0.07	N.D.	0.01	0.20	0.06	0.38	0.97	0.02	0.05	0.13	0.25	0.05
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.25	N.D.	0.04	0.52	0.11	1.09	2.77	0.05	0.10	0.24	0.93	0.13
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.03	N.D.	0.01
Mongolia	Ulaanbaatar	Mean	1.65	1.73	1.15	0.43	0.70	0.78	0.75	0.50	0.94	1.07	1.61	1.46
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	3.44	3.43	2.14	0.77	1.69	1.79	0.94	0.50	1.40	1.83	1.98	1.46
		Min-w	0.40	0.66	0.37	0.22	0.25	0.42	0.49	0.50	0.47	0.76	1.19	1.46
	Terelj	Mean	0.20	0.28	0.34	0.27	0.21	0.78	0.35	0.09	0.27	0.31	0.31	0.25
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	0.26	0.49	0.72	0.42	0.29	2.18	0.53	0.10	0.50	0.88	0.59	0.33
		Min-w	0.10	0.09	0.15	0.07	0.11	0.17	0.21	0.08	0.06	0.02	0.17	0.16
Philippines	Metro Manila	Mean	0.57	0.83	0.78	0.37	0.10	0.12	0.21	0.47	0.30	0.22	0.35	0.38
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	1.88	1.99	1.21	0.88	0.18	0.33	0.53	1.74	1.12	0.57	0.59	0.65
		Min-w	0.03	0.01	0.52	N.D.	N.D.	0.03	N.D.	0.02	N.D.	0.08	0.18	0.14
	Los Banos	Mean	0.81	1.98	1.68	0.49	0.06	0.10	0.09	0.26	0.12	0.38	0.39	0.63
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.85	3.41	2.04	0.91	0.18	0.17	0.13	0.89	0.23	1.20	0.47	1.37
		Min-w	0.78	0.02	1.03	N.D.	N.D.	0.05	0.03	N.D.	0.04	N.D.	0.29	0.04

Table 4.15 Particulate matter component: Cl⁻

Unit:μg/m³			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Republic of Korea	Kanghwa	Mean	-	0.05	0.39	0.18	0.11	0.06	0.17	0.16	0.10	0.17	0.44	0.11
		%	0	7	19	7	16	17	16	16	17	16	17	16
		Max-d	-	0.08	0.87	0.24	0.15	0.09	0.40	0.25	0.13	0.30	1.83	0.21
		Min-d	-	0.02	0.09	0.13	0.07	0.03	0.04	0.10	0.07	0.10	0.03	0.03
	Cheju	Mean	0.13	0.13	0.10	0.03	0.07	0.10	0.14	0.14	0.42	0.11	0.11	0.14
		%	13	14	19	17	16	17	13	16	13	16	17	16
		Max-d	0.26	0.31	0.34	0.07	0.13	0.29	0.22	0.38	1.02	0.26	0.33	0.28
		Min-d	N.D.	0.03	N.D.	N.D.	0.04	0.02	0.08	0.03	0.13	0.06	0.01	0.04
	Imsil	Mean	0.22	0.18	0.40	0.08	0.05	0.08	0.10	0.06	0.07	0.03	0.08	0.12
		%	13	11	19	17	16	17	16	16	17	13	17	16
		Max-d	0.42	0.20	1.40	0.13	0.06	0.20	0.13	0.11	0.12	0.05	0.20	0.24
		Min-d	0.13	0.13	0.07	0.05	0.02	0.02	0.05	0.04	0.04	N.D.	N.D.	N.D.
Russia	Mondy	Mean	0.02	0.05	0.06	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	0.02	0.05	0.11	-	N.D.	N.D.	-	N.D.	N.D.	N.D.	N.D.	N.D.
		Min*	0.02	0.04	N.D.	-	N.D.	N.D.	-	N.D.	N.D.	N.D.	N.D.	N.D.
	Listvyanka	Mean	0.10	0.02	N.D.	0.18	0.09	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	0.41	0.06	N.D.	0.47	0.20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Irkutsk	Mean	0.32	0.14	0.11	N.D.	0.40	0.03	N.D.	N.D.	N.D.	0.09	0.28	0.03
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	0.81	0.47	0.32	N.D.	1.51	0.07	N.D.	N.D.	N.D.	0.38	0.51	0.06
		Min*	0.01	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.02	0.08	N.D.
	Primorskaya	Mean	0.07	0.03	0.29	0.20	0.02	N.D.	N.D.	N.D.	N.D.	1.58	0.01	0.27
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	0.15	0.06	0.47	0.39	0.04	N.D.	N.D.	N.D.	N.D.	3.16	0.02	0.43
		Min*	N.D.	N.D.	0.12	0.02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.11
Thailand	Bangkok	Mean	0.24	0.16	1.00	0.09	0.25	1.35	0.20	0.19	0.02	2.80	-	0.16
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	0.32	-	1.64	-	0.36	2.80	0.35	-	0.02	8.33	-	0.31
		Min-w	0.14	-	0.17	-	0.13	0.41	0.05	-	0.02	N.D.	-	N.D.
	Patumthani	Mean	0.05	0.08	0.17	0.03	0.07	0.30	0.01	N.D.	0.05	0.44	0.30	2.23
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	0.06	0.11	0.26	0.07	0.11	0.60	-	0.02	0.09	1.22	0.46	6.68
		Min-w	0.04	0.04	0.09	0.02	0.02	N.D.	-	N.D.	0.01	N.D.	0.13	N.D.
	Khanchanaburi	Mean	-	-	0.03	-	-	-	0.01	-	-	-	0.02	-
	(Vachiralongkorn	%	0	0	48	0	0	0	48	0	0	0	50	0
	Dam)	Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai	Mean	0.14	0.25	0.09	0.15	0.10	0.08	0.05	0.09	0.02	N.D.	0.03	N.D.
	(Mae Hia)	%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	0.25	0.45	0.25	0.30	0.28	0.23	0.14	0.19	0.03	0.01	0.05	0.02
		Min-w	0.07	0.14	N.D.	0.04	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Viet Nam	Ha Noi	Mean	8.67	5.13	6.17	1.31	1.25	2.59	3.74	1.49	2.12	1.05	1.11	2.60
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	16.43	9.81	10.97	2.19	2.51	4.35	6.10	1.79	3.69	2.25	2.69	10.72
		Min-w	1.82	2.58	2.24	0.69	0.16	0.28	2.11	1.02	0.15	0.31	0.12	0.37
	Hoa Binh	Mean	1.59	0.23	0.41	0.44	0.40	3.03	2.83	2.49	1.83	0.91	1.04	1.67
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	4.03	0.31	0.57	0.73	0.89	4.48	4.22	3.03	2.64	1.21	2.64	4.23
		Min-w	0.13	0.12	0.21	0.07	0.11	0.49	1.73	1.77	0.82	0.58	0.34	0.22

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
% : percentage of period of available data during a month

Table 4.16 Particulate matter component: NH_4^+

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	0.10	1.78	0.01	0.14	0.35	N.D.	N.D.	0.10	0.26	0.14	0.11	0.05
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	0.25	4.24	0.03	0.29	0.40	-	N.D.	0.14	0.52	0.23	0.21	0.09
		Min-w	N.D.	0.30	N.D.	N.D.	0.31	-	N.D.	0.06	N.D.	0.06	N.D.	0.03
Japan	Rishiri	Mean	0.13	0.16	0.56	0.52	0.31	0.85	0.93	0.64	0.36	0.29	0.49	0.09
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.14	0.18	0.72	0.71	0.31	1.19	1.24	0.78	0.48	0.33	1.18	0.11
		Min-2w	0.12	0.14	0.40	0.34	0.30	0.60	0.62	0.51	0.24	0.26	0.11	0.06
	Tappi	Mean	0.39	0.18	0.46	0.11	0.60	1.62	0.92	0.96	0.35	0.41	0.59	0.22
		%	100	54	100	50	100	100	100	100	100	100	100	100
		Max-2w	0.52	0.35	0.88	0.11	0.70	2.80	1.13	1.32	0.46	0.44	1.00	0.28
		Min-2w	0.26	N.D.	0.04	0.11	0.50	0.86	0.71	0.59	0.24	0.38	0.33	0.15
	Sado-seki	Mean	1.64	1.66	0.46	0.46	0.20	1.28	1.27	1.56	0.74	0.32	0.24	0.10
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	2.30	3.15	0.64	0.73	0.37	1.65	1.54	1.56	0.74	0.46	0.39	0.14
		Min-2w	0.97	0.16	0.27	0.19	0.03	0.65	1.00	1.56	0.74	0.19	0.12	0.05
	Happo	Mean	0.16	0.32	0.75	0.87	0.40	1.21	1.57	1.49	0.40	0.49	0.51	0.15
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.26	0.51	1.17	0.88	0.71	1.80	1.86	2.74	0.78	0.53	0.63	0.19
		Min-2w	0.06	0.18	0.34	0.86	0.09	0.62	1.27	0.86	N.D.	0.44	0.39	0.11
	Ijira	Mean	0.52	0.63	1.52	1.22	1.46	2.71	3.25	2.04	1.65	0.83	1.06	0.47
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.62	0.70	1.57	1.29	1.67	2.87	3.58	2.84	1.70	0.93	1.27	0.47
		Min-2w	0.42	0.56	1.47	1.15	1.26	2.45	2.92	1.25	1.60	0.73	0.70	0.47
	Oki	Mean	0.63	0.70	1.38	1.12	1.14	3.01	2.03	1.75	0.97	0.56	1.10	0.83
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.86	0.91	1.44	1.24	1.37	3.84	2.97	2.18	1.21	0.65	1.33	1.22
		Min-2w	0.41	0.49	1.31	1.00	0.91	2.17	1.08	1.32	0.73	0.47	0.86	0.43
	Banryu	Mean	1.01	1.26	1.81	1.37	0.92	2.89	2.57	1.55	0.91	0.54	1.42	0.85
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	1.29	1.38	1.84	1.54	0.92	3.58	2.73	1.57	0.91	0.54	1.99	1.00
		Min-2w	0.72	1.15	1.78	1.21	0.92	2.01	2.42	1.53	0.91	0.54	0.36	0.70
	Yusuhara	Mean	0.83	1.02	1.70	1.56	1.68	1.99	2.59	1.38	0.95	0.72	1.39	0.95
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.86	1.41	1.75	1.62	1.95	2.20	2.89	1.44	1.55	0.75	1.71	0.95
		Min-2w	0.80	0.62	1.66	1.50	1.41	1.69	2.30	1.31	0.36	0.69	1.03	0.95
	Hedo	Mean	0.15	0.24	0.74	0.51	1.00	0.64	1.08	0.56	0.69	0.59	1.00	0.84
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.20	0.40	1.08	0.96	1.17	0.98	1.13	0.58	1.13	0.63	1.44	0.85
		Min-2w	0.10	0.09	0.40	0.07	0.82	0.35	1.04	0.54	0.26	0.55	0.76	0.84
	Ogasawara	Mean	0.01	0.02	0.03	0.27	0.01	0.04	0.26	0.07	0.04	0.02	0.07	0.15
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	0.02	0.04	0.07	0.65	0.02	0.08	0.79	0.20	0.08	0.07	0.26	0.41
		Min-w	N.D.	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.01
Malaysia	TanahRata	Mean	0.19	0.48	0.32	0.24	0.11	0.31	0.37	0.23	0.34	0.04	0.09	0.03
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.82	0.92	0.54	0.56	0.39	0.65	0.95	0.61	0.60	0.16	0.20	0.06
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.20	N.D.	0.02	N.D.
	Petaling Jaya	Mean	0.06	0.07	0.14	0.02	0.09	2.92	2.24	0.44	0.48	0.22	0.04	0.34
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.10	0.10	0.45	0.07	0.20	7.01	10.44	0.87	1.07	1.02	0.18	1.07
		Min-w	0.02	0.03	N.D.	N.D.	N.D.	0.06	N.D.	N.D.	0.12	N.D.	N.D.	N.D.
Mongolia	Ulaanbaatar	Mean	7.17	4.93	1.80	0.39	0.56	0.32	0.58	0.40	0.29	0.69	1.15	0.97
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	11.61	9.26	3.68	0.99	1.00	0.46	1.16	0.40	0.48	1.19	1.40	0.97
		Min-w	3.46	0.23	0.46	0.09	0.32	0.18	0.33	0.40	0.10	0.48	0.67	0.97
	Terelj	Mean	0.41	0.31	0.53	0.25	0.05	0.15	0.26	0.35	0.13	0.17	0.38	0.44
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	0.79	0.46	0.89	0.92	0.07	0.27	0.57	0.62	0.28	0.40	0.73	0.49
		Min-w	0.21	0.20	0.13	0.03	0.02	0.04	0.12	0.04	N.D.	0.03	0.22	0.34
Philippines	Metro Manila	Mean	1.13	2.59	2.65	0.61	0.47	0.14	0.31	0.33	0.11	0.32	0.06	0.02
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	3.35	5.50	3.33	1.14	1.35	0.26	1.26	0.71	0.27	0.68	0.18	0.08
		Min-w	N.D.	0.51	1.40	0.09	N.D.	N.D.	N.D.	0.06	N.D.	0.06	N.D.	N.D.
	Los Banos	Mean	0.30	2.83	2.68	0.62	0.33	0.03	0.22	0.17	0.22	0.19	0.16	0.28
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.88	4.76	3.55	1.14	1.01	0.13	0.42	0.39	0.39	0.28	0.41	0.86
		Min-w	N.D.	0.74	1.22	0.21	N.D.	N.D.	0.08	N.D.	0.04	0.08	N.D.	N.D.

Table 4.16 Particulate matter component: NH_4^+

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Republic of Korea	Kanghwa	Mean	-	1.38	3.69	2.67	1.27	2.60	4.55	1.18	0.73	2.71	2.98	0.81
		%	0	7	19	7	16	17	16	16	17	16	17	16
		Max-d	-	1.45	5.89	3.89	2.61	4.01	8.86	3.06	1.13	7.38	6.58	1.22
		Min-d	-	1.31	2.53	1.44	0.04	1.54	0.06	0.12	0.10	0.83	0.42	0.58
	Cheju	Mean	1.87	1.79	2.43	1.69	2.00	2.98	5.54	0.55	0.51	2.36	1.72	1.15
		%	13	14	19	17	16	17	13	16	13	16	17	16
		Max-d	3.47	3.21	4.81	2.30	4.65	5.17	10.74	1.27	1.00	5.44	4.18	1.63
		Min-d	0.78	0.51	0.91	0.80	0.15	0.12	1.94	0.04	0.12	0.93	0.32	0.72
	Imsil	Mean	3.02	1.36	3.63	1.60	3.23	4.12	4.84	2.25	2.24	1.21	2.47	1.98
		%	13	11	19	17	16	17	16	16	17	13	17	16
		Max-d	9.89	3.01	9.58	3.42	4.68	6.94	10.71	5.63	3.10	1.46	4.85	2.65
		Min-d	0.29	0.36	0.24	0.19	2.24	2.51	0.38	0.14	1.25	0.77	0.63	1.13
Russia	Mondy	Mean	0.10	0.10	0.08	0.16	0.18	0.15	0.09	0.08	0.08	0.13	0.13	0.16
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	0.11	0.13	0.09	-	0.2	0.2	-	0.14	0.08	0.13	0.14	0.18
		Min*	0.09	0.07	0.07	-	0.1	0.1	-	0.03	0.08	0.13	0.12	0.14
	Listvyanka	Mean	0.47	0.74	0.35	0.32	0.35	0.31	0.12	0.16	0.43	0.51	0.39	0.29
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	0.82	1.02	0.80	0.46	0.51	0.38	0.15	0.25	0.61	0.87	0.58	0.38
		Min-w	0.16	0.20	0.18	0.20	0.24	0.20	0.10	0.11	0.18	0.28	0.26	0.19
	Irkutsk	Mean	1.89	0.64	0.35	0.45	0.57	0.34	0.44	0.27	0.40	0.53	0.87	1.59
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	3.99	0.76	0.50	0.66	0.85	0.45	0.82	0.34	0.49	0.67	1.01	2.91
		Min*	0.49	0.40	0.23	0.21	0.27	0.21	0.23	0.17	0.31	0.41	0.47	1.05
	Primorskaya	Mean	1.75	0.61	0.75	0.65	0.82	1.23	0.81	0.67	1.20	1.05	1.74	1.90
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	2.52	0.63	0.97	1.00	1.37	1.56	0.95	0.94	1.72	1.61	2.14	1.94
		Min*	0.99	0.58	0.54	0.31	0.27	0.90	0.68	0.40	0.68	0.50	1.35	1.86
Thailand	Bangkok	Mean	1.03	0.03	1.02	0.18	0.50	0.47	0.16	N.D.	N.D.	0.56	-	0.64
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	1.48	-	1.55	-	0.61	0.63	0.32	-	N.D.	1.32	-	1.19
		Min-w	0.39	-	0.34	-	0.39	0.35	N.D.	-	N.D.	0.07	-	0.09
	Patumthani	Mean	0.71	0.01	1.17	0.12	0.47	0.20	N.D.	0.02	0.02	0.44	0.09	1.28
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	1.06	0.02	1.61	0.15	0.51	0.38	-	0.03	0.03	1.25	0.13	2.26
		Min-w	0.51	0.01	0.74	0.08	0.43	0.02	-	N.D.	0.02	0.03	0.06	0.10
	Khanchanaburi (Vachiralongkorn Dam)	Mean	-	-	N.D.	-	-	-	N.D.	-	-	-	0.12	-
		%	0	0	48	0	0	0	48	0	0	0	50	0
		Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai (Mae Hia)	Mean	0.59	0.58	4.48	0.33	0.25	N.D.	0.02	0.07	N.D.	0.09	0.35	0.30
		%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	0.80	1.03	8.20	0.74	0.59	N.D.	0.07	0.19	N.D.	0.14	0.56	0.61
		Min-w	0.24	0.17	N.D.	0.09	0.06	N.D.	N.D.	N.D.	N.D.	0.01	0.05	0.10
Viet Nam	Ha Noi	Mean	22.97	20.30	19.58	5.62	3.78	0.81	1.64	0.75	1.32	0.26	3.92	6.69
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	43.07	31.68	24.79	6.63	5.29	1.22	2.59	1.32	4.04	0.68	8.68	21.15
		Min-w	7.44	12.08	16.47	4.19	1.77	0.63	0.50	0.20	0.04	N.D.	0.55	N.D.
	Hoa Binh	Mean	3.23	1.44	2.47	6.13	3.54	1.65	0.87	1.12	4.00	12.71	6.45	7.57
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	10.96	2.15	3.38	9.92	5.05	3.83	1.15	2.31	5.95	25.85	21.59	16.79
		Min-w	0.33	1.16	0.77	2.89	2.61	N.D.	0.60	0.47	1.45	0.20	0.61	0.41

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
% : percentage of period of available data during a month

Table 4.17 Particulate matter component: Na^+

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	0.24	0.76	0.51	0.25	N.D.	N.D.	N.D.	N.D.	N.D.	0.26	0.07	0.53
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	0.74	2.16	0.68	0.29	N.D.	-	N.D.	N.D.	N.D.	0.33	0.07	0.64
		Min-w	N.D.	0.03	0.34	0.22	N.D.	-	N.D.	N.D.	N.D.	0.18	0.06	0.42
Japan	Rishiri	Mean	0.76	1.01	3.26	2.15	1.97	0.77	0.80	1.47	1.99	3.73	2.49	0.69
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.77	1.29	3.40	2.44	2.36	0.95	1.18	2.04	2.65	3.83	4.01	0.83
		Min-2w	0.76	0.73	3.12	1.87	1.59	0.45	0.43	0.90	1.34	3.64	1.38	0.55
	Tappi	Mean	3.39	1.85	7.45	8.57	5.14	0.93	1.04	1.11	2.08	3.10	10.86	4.63
		%	100	54	100	50	100	100	100	100	100	100	100	100
		Max-2w	3.60	3.70	9.96	8.57	5.18	1.32	1.20	1.47	2.27	3.50	15.36	6.58
		Min-2w	3.17	N.D.	4.95	8.57	5.10	0.53	0.87	0.75	1.89	2.70	8.41	2.69
	Sado-seki	Mean	0.12	7.07	2.42	1.91	1.36	0.66	1.38	1.19	2.50	1.78	3.38	2.82
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	0.16	13.84	3.66	2.34	1.88	0.93	1.41	1.19	2.50	1.81	4.43	4.11
		Min-2w	0.08	0.30	1.19	1.47	0.84	0.44	1.36	1.19	2.50	1.76	1.52	1.53
	Happo	Mean	0.04	0.07	0.19	0.10	0.10	0.02	0.02	0.06	0.04	0.11	0.18	0.03
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.04	0.11	0.20	0.10	0.19	0.03	0.02	0.07	0.06	0.19	0.24	0.04
		Min-2w	0.03	0.04	0.19	0.10	0.02	0.02	0.02	0.05	0.02	0.03	0.11	0.02
	Ijira	Mean	0.09	0.23	0.28	0.50	0.51	0.24	0.18	0.21	0.32	0.35	0.25	0.05
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.10	0.30	0.33	0.61	0.58	0.24	0.23	0.24	0.35	0.38	0.30	0.05
		Min-2w	0.07	0.17	0.24	0.39	0.44	0.24	0.13	0.18	0.29	0.32	0.17	0.05
	Oki	Mean	3.46	2.90	3.06	2.79	1.53	1.00	1.25	1.47	1.85	2.15	2.70	4.45
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	3.70	3.22	3.29	2.94	1.58	1.10	1.64	1.51	2.24	2.39	2.81	4.69
		Min-2w	3.22	2.48	2.82	2.64	1.48	0.89	0.86	1.43	1.46	1.91	2.60	4.21
	Banryu	Mean	2.51	1.96	1.65	2.08	1.49	0.88	0.90	0.68	2.11	1.14	1.35	2.61
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	3.03	2.21	1.66	2.52	1.49	1.17	1.17	0.77	2.11	1.14	1.90	2.62
		Min-2w	1.98	1.70	1.64	1.64	1.49	0.73	0.63	0.59	2.11	1.14	0.75	2.60
	Yusuhara	Mean	0.42	0.38	0.35	0.50	0.53	0.50	0.37	0.38	0.44	0.40	0.48	0.42
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.55	0.54	0.37	0.63	0.54	0.59	0.39	0.40	0.60	0.42	0.62	0.42
		Min-2w	0.28	0.22	0.32	0.37	0.51	0.40	0.35	0.36	0.28	0.38	0.40	0.42
	Hedo	Mean	0.80	2.03	4.39	1.26	2.48	4.00	3.20	2.76	13.72	8.12	6.00	13.93
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.95	3.43	5.20	2.27	2.55	4.84	4.27	4.09	24.65	10.69	7.32	18.17
		Min-2w	0.65	0.62	3.58	0.26	2.41	3.38	2.12	1.42	2.78	5.55	3.74	9.69
	Ogasawara	Mean	0.14	0.29	0.27	1.22	0.10	0.34	1.21	0.88	1.00	0.75	0.66	1.25
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	0.25	0.52	0.49	3.56	0.17	0.66	2.65	3.27	1.63	3.61	2.28	3.09
		Min-w	0.09	0.06	0.12	0.02	0.05	N.D.	0.33	N.D.	0.19	N.D.	0.02	0.06
Malaysia	TanahRata	Mean	0.10	0.25	0.26	0.08	0.01	0.08	0.09	0.09	0.13	0.01	0.03	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.32	0.43	0.56	0.22	0.05	0.21	0.16	0.24	0.15	0.04	0.08	0.02
		Min-w	N.D.	N.D.	0.02	N.D.	N.D.	N.D.	N.D.	0.02	0.08	N.D.	N.D.	N.D.
	Petaling Jaya	Mean	0.04	0.01	0.07	0.07	0.13	0.84	0.44	0.12	0.22	0.08	0.02	0.12
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.08	0.02	0.20	0.29	0.28	2.23	1.73	0.24	0.36	0.34	0.08	0.34
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.01	0.09	N.D.	N.D.	N.D.
Mongolia	Ulaanbaatar	Mean	0.56	0.92	1.15	0.14	0.15	0.15	0.88	0.54	0.24	0.32	0.39	0.23
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	1.01	3.71	2.10	0.41	0.28	0.32	2.69	0.54	0.32	0.60	0.54	0.23
		Min-w	N.D.	0.17	0.20	N.D.	0.02	N.D.	0.19	0.54	0.16	0.15	0.24	0.23
	Terelj	Mean	0.18	0.10	0.08	0.15	N.D.	N.D.	0.52	N.D.	0.16	0.15	0.21	0.11
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	0.52	0.18	0.31	0.27	N.D.	N.D.	1.73	0.01	0.25	0.32	0.40	0.14
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.03	N.D.	N.D.	0.04	N.D.	0.07
Philippines	Metro Manila	Mean	0.75	1.21	0.79	0.54	0.24	0.42	0.49	0.60	0.70	0.62	0.67	0.44
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	1.50	1.52	0.96	1.16	0.40	0.43	0.91	0.85	0.88	0.98	0.92	0.64
		Min-w	N.D.	0.82	0.58	N.D.	N.D.	0.42	N.D.	0.23	0.31	0.26	0.33	0.32
	Los Banos	Mean	0.91	1.40	1.58	0.92	0.35	0.21	0.19	0.50	0.26	0.42	0.49	0.53
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	1.37	2.10	1.69	1.38	0.43	0.38	0.28	1.18	0.40	1.17	0.99	1.04
		Min-w	0.52	0.49	1.42	0.30	0.13	0.07	0.09	0.21	N.D.	N.D.	0.15	0.07

Table 4.17 Particulate matter component: Na^+

Unit:μg/m³			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Republic of Korea	Kanghwa	Mean	-	0.36	0.48	0.51	0.30	0.26	0.27	0.33	0.23	0.32	0.28	0.24
		%	0	7	19	7	16	17	16	16	17	16	17	16
		Max-d	-	0.48	0.67	0.51	0.45	0.29	0.44	0.45	0.28	0.48	0.44	0.26
		Min-d	-	0.24	0.31	0.51	0.16	0.24	0.07	0.10	0.06	0.17	0.15	0.21
	Cheju	Mean	0.37	0.39	0.30	0.20	0.34	0.25	0.37	0.13	0.29	0.29	0.62	0.61
		%	13	14	19	17	16	17	13	16	13	16	17	16
		Max-d	0.49	0.58	0.43	0.48	0.51	0.35	0.41	0.38	0.52	0.39	1.50	1.08
		Min-d	0.27	0.21	0.15	0.06	0.15	0.13	0.29	0.03	0.17	0.18	0.14	0.30
	Imsil	Mean	0.61	0.57	0.41	0.42	0.47	0.57	0.42	0.32	0.39	0.24	0.29	0.60
		%	13	11	19	17	16	17	16	16	17	13	17	16
		Max-d	1.24	0.70	0.78	0.57	0.64	0.84	0.51	0.43	0.45	0.35	0.38	1.23
		Min-d	0.28	0.50	N.D.	0.20	0.36	0.33	0.35	0.09	0.32	0.20	0.21	0.24
Russia	Mondy	Mean	0.03	0.02	0.06	N.D.	0.03	0.03	0.02	0.02	N.D.	N.D.	0.02	0.06
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	0.05	0.03	0.10	-	0.1	0.1	-	0.03	N.D.	N.D.	0.03	0.07
		Min*	N.D.	N.D.	0.02	-	0.0	N.D.	-	0.02	N.D.	N.D.	0.02	0.04
	Listvyanka	Mean	0.13	0.16	0.11	0.05	0.04	N.D.	0.01	N.D.	0.02	N.D.	0.03	0.02
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	0.27	0.18	0.23	0.11	0.10	N.D.	0.05	N.D.	0.03	0.02	0.09	0.03
		Min-w	0.03	0.11	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Irkutsk	Mean	0.33	0.16	0.20	0.10	0.36	0.03	0.29	0.13	0.09	0.17	0.57	0.13
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	0.74	0.34	0.36	0.16	1.35	0.07	0.58	0.21	0.13	0.23	0.91	0.18
		Min*	0.06	0.03	0.06	0.06	N.D.	N.D.	0.08	0.08	0.07	0.12	0.20	0.09
	Primorskaya	Mean	0.13	0.11	0.69	0.53	0.15	0.09	0.07	0.07	0.12	0.41	0.17	0.13
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	0.16	0.15	0.99	0.76	0.19	0.09	0.11	0.08	0.13	0.58	0.24	0.14
		Min*	0.11	0.08	0.39	0.30	0.10	0.09	0.03	0.07	0.11	0.24	0.11	0.12
Thailand	Bangkok	Mean	0.68	0.10	1.92	0.16	0.51	1.01	0.10	0.59	0.06	0.02	-	0.11
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	1.05	-	2.72	-	0.76	2.04	0.12	-	0.09	0.07	-	0.14
		Min-w	0.43	-	1.06	-	0.26	0.33	0.09	-	0.02	N.D.	-	0.08
	Patumthani	Mean	0.63	0.04	0.98	0.03	0.86	0.42	0.06	N.D.	0.04	0.10	0.14	0.01
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	0.77	0.05	1.21	0.04	1.37	0.76	-	N.D.	0.06	0.20	0.23	0.03
		Min-w	0.39	0.03	0.75	0.02	0.35	0.08	-	N.D.	0.01	N.D.	0.04	N.D.
	Khanchanaburi	Mean	-	-	0.03	-	-	-	0.01	-	-	-	N.D.	-
	(Vachiralongkorn	%	0	0	48	0	0	0	48	0	0	0	50	0
	Dam)	Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai	Mean	0.17	0.28	0.13	0.25	0.04	N.D.	N.D.	N.D.	0.04	N.D.	0.09	N.D.
	(Mae Hia)	%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	0.29	0.83	0.35	0.55	0.13	N.D.	N.D.	0.02	0.13	0.01	0.27	N.D.
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Viet Nam	Ha Noi	Mean	3.80	4.39	3.15	1.01	1.15	1.72	2.32	0.77	1.31	1.45	0.72	1.57
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	7.74	9.66	7.81	1.64	2.31	3.00	3.96	1.20	2.14	3.51	1.77	4.97
		Min-w	0.51	1.80	1.41	0.32	0.17	0.12	1.29	0.18	0.13	0.41	0.16	0.38
	Hoa Binh	Mean	0.57	0.20	0.31	0.39	0.29	2.14	2.06	1.59	1.27	1.04	0.54	0.69
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	1.03	0.42	0.68	0.85	0.74	3.31	3.01	2.23	1.78	1.66	0.81	1.87
		Min-w	0.19	0.04	0.09	N.D.	0.05	0.17	1.31	0.66	0.98	0.48	0.30	0.12

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
% : percentage of period of available data during a month

Table 4.18 Particulate matter component: K^+

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	0.03	0.09	0.15	0.86	0.09	N.D.	N.D.	1.00	0.36	0.32	N.D.	0.14
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	0.04	0.11	0.18	1.62	0.17	-	N.D.	1.89	0.72	0.39	N.D.	0.16
		Min-w	N.D.	0.06	0.12	0.09	N.D.	-	N.D.	0.11	N.D.	0.25	N.D.	0.09
Japan	Rishiri	Mean	0.05	0.06	0.21	0.15	0.11	0.12	0.11	0.13	0.14	0.26	0.21	0.04
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.05	0.08	0.22	0.18	0.14	0.15	0.13	0.16	0.20	0.28	0.46	0.05
		Min-2w	0.04	0.05	0.20	0.11	0.09	0.09	0.09	0.10	0.09	0.23	0.07	0.02
	Tappi	Mean	0.18	0.10	0.33	0.33	0.25	0.13	0.07	0.06	0.11	0.22	0.54	0.19
		%	100	54	100	50	100	100	100	100	100	100	100	100
		Max-2w	0.21	0.20	0.35	0.33	0.27	0.25	0.09	0.07	0.13	0.25	0.66	0.27
		Min-2w	0.16	N.D.	0.31	0.33	0.23	0.06	0.05	0.05	0.09	0.19	0.38	0.11
	Sado-seki	Mean	0.06	0.31	0.13	0.15	0.07	0.11	0.12	0.10	0.19	0.12	0.17	0.10
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	0.09	0.48	0.19	0.21	0.10	0.17	0.14	0.10	0.19	0.14	0.18	0.16
		Min-2w	0.04	0.15	0.07	0.08	0.04	0.06	0.10	0.10	0.19	0.11	0.15	0.05
	Happo	Mean	0.02	0.03	0.10	0.10	0.06	0.11	0.07	0.05	0.03	0.06	0.08	0.01
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.03	0.05	0.16	0.11	0.11	0.18	0.08	0.05	0.04	0.07	0.09	0.02
		Min-2w	N.D.	0.02	0.05	0.10	N.D.	0.04	0.06	0.04	N.D.	0.04	0.08	N.D.
	Ijira	Mean	0.03	0.07	0.16	0.21	0.16	0.26	0.26	0.21	0.17	0.13	0.24	0.22
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.05	0.08	0.17	0.26	0.20	0.30	0.28	0.23	0.18	0.13	0.43	0.22
		Min-2w	0.02	0.06	0.15	0.16	0.13	0.24	0.24	0.19	0.16	0.12	0.13	0.22
	Oki	Mean	0.20	0.20	0.31	0.35	0.22	0.28	0.19	0.16	0.20	0.21	0.36	0.40
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.23	0.30	0.34	0.36	0.24	0.33	0.21	0.18	0.24	0.24	0.38	0.54
		Min-2w	0.18	0.13	0.28	0.33	0.20	0.23	0.17	0.14	0.17	0.18	0.33	0.25
	Banryu	Mean	0.20	0.21	0.27	0.33	0.15	0.22	0.15	0.14	0.18	0.13	0.33	0.21
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	0.21	0.22	0.28	0.33	0.15	0.24	0.17	0.18	0.18	0.13	0.50	0.22
		Min-2w	0.19	0.20	0.25	0.33	0.15	0.19	0.13	0.09	0.18	0.13	0.17	0.19
	Yusuhara	Mean	0.16	0.20	0.31	0.28	0.16	0.23	0.27	0.19	0.14	0.15	0.31	0.17
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.17	0.28	0.35	0.33	0.17	0.30	0.28	0.20	0.20	0.17	0.52	0.17
		Min-2w	0.15	0.12	0.27	0.22	0.15	0.17	0.25	0.18	0.09	0.14	0.19	0.17
	Hedo	Mean	0.04	0.08	0.42	0.14	0.22	0.27	0.16	0.18	0.54	0.36	0.46	0.67
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.06	0.11	0.71	0.28	0.23	0.34	0.19	0.22	0.88	0.49	0.63	0.84
		Min-2w	0.03	0.05	0.13	N.D.	0.22	0.19	0.12	0.13	0.21	0.24	0.26	0.49
	Ogasawara	Mean	N.D.	0.01	0.01	0.06	N.D.	0.02	0.05	0.02	0.03	0.03	0.02	0.07
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	N.D.	0.02	0.02	0.18	0.02	0.04	0.09	0.08	0.05	0.13	0.08	0.18
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.02	N.D.	N.D.	N.D.	N.D.	N.D.
Malaysia	TanahRata	Mean	0.14	0.22	1.10	0.08	0.03	0.11	0.12	0.10	0.51	0.01	0.03	0.01
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.53	0.42	3.86	0.18	0.11	0.32	0.21	0.25	1.62	0.04	0.06	0.02
		Min-w	N.D.	N.D.	0.07	N.D.	N.D.	N.D.	0.01	0.01	0.10	N.D.	N.D.	N.D.
	Petaling Jaya	Mean	0.06	0.09	0.11	0.10	0.09	1.16	0.58	0.15	0.17	0.04	0.02	0.13
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.21	0.14	0.24	0.31	0.22	3.52	2.21	0.29	0.35	0.08	0.06	0.33
		Min-w	N.D.	0.06	N.D.	0.03	N.D.	N.D.	0.02	N.D.	N.D.	N.D.	N.D.	N.D.
Mongolia	Ulaanbaatar	Mean	0.32	1.28	0.38	0.20	0.27	0.28	0.63	2.84	0.26	0.30	0.33	0.26
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	0.50	4.97	1.22	0.35	0.32	0.46	1.53	2.84	0.29	0.39	0.42	0.26
		Min-w	0.20	0.33	0.10	0.09	0.20	0.16	0.25	2.84	0.22	0.22	0.26	0.26
	Terelj	Mean	0.24	0.44	0.10	0.52	0.06	0.08	0.25	0.03	0.16	0.20	0.24	0.15
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	0.43	0.85	0.23	1.96	0.10	0.18	0.46	0.07	0.32	0.32	0.40	0.20
		Min-w	0.05	0.10	0.04	0.05	0.03	0.04	0.05	N.D.	N.D.	0.08	0.04	0.12
Philippines	Metro Manila	Mean	0.23	0.34	0.24	0.41	0.24	0.13	0.16	0.17	0.26	0.31	0.34	0.34
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.46	0.56	0.38	0.57	0.55	0.16	0.25	0.30	0.35	0.33	0.36	0.42
		Min-w	N.D.	0.21	0.12	0.19	0.08	0.08	N.D.	0.10	0.18	0.29	0.32	0.25
	Los Banos	Mean	0.20	0.17	0.20	0.41	0.21	0.08	0.04	0.41	0.16	0.07	0.05	0.60
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.23	0.30	0.27	0.56	0.52	0.13	0.05	1.34	0.31	0.14	0.11	2.29
		Min-w	0.17	0.08	0.12	0.25	0.08	0.03	0.04	0.06	N.D.	N.D.	0.01	0.01

Table 4.18 Particulate matter component: K^+

Unit:μg/m³			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Republic of Korea	Kanghwa	Mean	-	0.37	0.64	0.68	0.49	0.49	0.35	0.23	0.20	0.62	0.77	0.47
		%	0	7	19	7	16	17	16	16	17	16	17	16
		Max-d	-	0.41	1.13	0.86	0.72	0.84	0.60	0.68	0.26	1.30	1.38	0.64
		Min-d	-	0.33	0.33	0.50	0.28	0.23	0.02	0.02	0.03	0.25	0.40	0.29
	Cheju	Mean	0.37	0.38	0.55	0.37	0.44	0.38	0.64	0.15	0.15	0.51	0.81	0.65
		%	13	14	19	17	16	17	13	16	13	16	17	16
		Max-d	0.57	0.68	1.20	0.51	0.74	0.64	0.76	0.23	0.32	0.97	2.08	1.02
		Min-d	0.14	0.12	0.28	0.25	0.09	0.15	0.49	N.D.	N.D.	0.22	0.32	0.39
	Imsil	Mean	0.80	0.46	0.62	0.55	0.62	0.65	0.48	0.34	0.32	0.41	0.74	0.57
		%	13	11	19	17	16	17	16	16	17	13	17	16
		Max-d	2.04	0.94	0.96	0.77	1.14	0.88	0.93	0.73	0.48	0.54	1.12	0.70
		Min-d	0.26	0.13	0.08	0.19	0.31	0.27	0.25	0.08	0.23	0.22	0.42	0.39
Russia	Mondy	Mean	0.04	0.05	0.04	N.D.	0.02	N.D.	0.03	0.03	N.D.	N.D.	N.D.	N.D.
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	0.05	0.09	0.06	-	0.0	N.D.	-	0.05	N.D.	N.D.	N.D.	N.D.
		Min*	0.02	0.02	0.02	-	0.0	N.D.	-	N.D.	N.D.	N.D.	N.D.	N.D.
	Listvyanka	Mean	0.06	0.09	0.08	0.75	0.04	N.D.	0.02	N.D.	N.D.	N.D.	N.D.	N.D.
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	0.10	0.12	0.15	1.91	0.09	N.D.	0.05	0.01	N.D.	N.D.	0.01	N.D.
		Min-w	0.02	0.04	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Irkutsk	Mean	1.09	0.17	0.10	0.07	0.07	0.02	0.16	0.10	0.04	0.07	0.17	0.09
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	4.65	0.35	0.14	0.10	0.19	0.04	0.30	0.19	0.05	0.12	0.21	0.19
		Min*	0.06	0.05	0.07	0.04	N.D.	N.D.	0.03	0.06	0.04	0.05	0.09	N.D.
	Primorskaya	Mean	0.72	0.51	0.55	0.28	0.15	0.15	0.04	0.06	0.04	0.24	0.26	0.31
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	0.84	0.55	0.69	0.31	0.16	0.15	0.06	0.08	0.05	0.44	0.26	0.34
		Min*	0.60	0.46	0.41	0.25	0.14	0.15	0.03	0.04	0.04	0.04	0.26	0.28
Thailand	Bangkok	Mean	0.90	0.03	0.84	0.02	0.28	0.16	0.10	0.43	0.04	N.D.	-	0.31
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	1.95	-	1.13	-	0.42	0.26	0.12	-	0.06	N.D.	-	0.57
		Min-w	0.13	-	0.56	-	0.14	N.D.	0.08	-	0.02	N.D.	-	0.06
	Patumthani	Mean	1.26	0.03	0.79	2.21	0.26	0.06	N.D.	N.D.	0.02	0.13	0.26	0.60
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	1.86	0.05	1.06	6.57	0.46	0.13	-	0.02	0.02	0.26	0.35	1.38
		Min-w	0.81	0.01	0.52	0.02	0.06	N.D.	-	N.D.	0.01	0.06	0.17	0.03
	Khanchanaburi	Mean	-	-	0.04	-	-	-	2.90	-	-	-	0.03	-
	(Vachiralongkorn	%	0	0	48	0	0	0	48	0	0	0	50	0
	Dam)	Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai	Mean	0.83	1.37	0.25	0.44	N.D.	0.11	0.10	0.13	0.05	N.D.	0.17	0.08
	(Mae Hia)	%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	1.37	1.73	0.64	1.16	N.D.	0.33	0.30	0.24	0.12	0.01	0.21	0.17
		Min-w	0.32	1.14	N.D.	0.01	N.D.	N.D.	N.D.	0.05	N.D.	N.D.	0.11	N.D.
Viet Nam	Ha Noi	Mean	6.95	6.05	5.00	1.33	1.52	3.85	1.79	0.39	0.44	0.44	1.62	1.88
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	11.50	7.10	6.56	1.96	2.68	10.44	2.67	0.51	1.75	0.69	3.78	5.47
		Min-w	3.60	5.03	2.28	0.67	0.09	0.18	0.49	0.30	N.D.	0.19	0.28	0.20
	Hoa Binh	Mean	1.65	0.82	1.43	2.72	1.75	1.20	1.64	1.78	2.71	4.01	3.41	5.26
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	5.94	1.32	2.29	4.37	4.94	1.64	2.91	3.07	3.57	6.30	8.60	8.62
		Min-w	0.21	0.29	0.56	0.42	0.41	0.79	0.69	0.96	1.93	0.49	1.00	0.52

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
% : percentage of period of available data during a month

Table 4.19 Particulate matter component: Mg^{2+}

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	0.05	0.21	0.12	N.D.	N.D.	N.D.	0.01	0.14	0.25	0.05	N.D.	0.08
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	0.12	0.56	0.14	0.01	N.D.	-	0.02	0.15	0.37	0.10	N.D.	0.11
		Min-w	N.D.	0.01	0.09	N.D.	N.D.	-	N.D.	0.14	0.12	N.D.	N.D.	0.04
Japan	Rishiri	Mean	0.09	0.12	0.39	0.26	0.23	0.09	0.10	0.18	0.24	0.44	0.30	0.07
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.09	0.15	0.40	0.29	0.27	0.11	0.14	0.25	0.32	0.45	0.50	0.09
		Min-2w	0.08	0.08	0.37	0.23	0.18	0.06	0.06	0.11	0.16	0.43	0.16	0.06
	Tappi	Mean	0.39	0.22	0.83	0.93	0.63	0.12	0.13	0.14	0.26	0.39	1.31	0.54
		%	100	54	100	50	100	100	100	100	100	100	100	100
		Max-2w	0.40	0.44	1.13	0.93	0.64	0.18	0.15	0.18	0.28	0.44	1.85	0.75
		Min-2w	0.38	N.D.	0.54	0.93	0.61	0.07	0.11	0.10	0.25	0.33	1.00	0.33
	Sado-seki	Mean	0.21	1.03	0.31	0.26	0.17	0.08	0.18	0.15	0.34	0.21	0.39	0.35
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	0.29	1.68	0.48	0.34	0.22	0.13	0.18	0.15	0.34	0.22	0.54	0.53
		Min-2w	0.12	0.39	0.15	0.18	0.11	0.05	0.18	0.15	0.34	0.21	0.19	0.17
	Happo	Mean	N.D.	0.03	0.06	0.04	0.03	N.D.	0.02	N.D.	0.01	0.01	0.05	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	N.D.	0.05	0.07	0.04	0.06	N.D.	0.03	0.02	0.02	0.02	0.07	0.01
		Min-2w	N.D.	0.02	0.04	0.04	N.D.	N.D.	0.02	N.D.	N.D.	N.D.	0.03	N.D.
	Ijira	Mean	0.02	0.05	0.06	0.10	0.08	0.03	0.03	0.03	0.04	0.05	0.05	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.03	0.05	0.07	0.13	0.11	0.03	0.05	0.03	0.04	0.05	0.06	N.D.
		Min-2w	0.02	0.04	0.04	0.08	0.05	0.03	0.02	0.03	0.04	0.04	0.04	N.D.
	Oki	Mean	0.42	0.34	0.41	0.41	0.21	0.13	0.15	0.18	0.24	0.27	0.36	0.58
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.42	0.39	0.45	0.41	0.21	0.14	0.20	0.19	0.29	0.30	0.37	0.63
		Min-2w	0.42	0.29	0.38	0.41	0.20	0.11	0.11	0.18	0.19	0.23	0.34	0.53
	Banryu	Mean	0.20	0.42	0.32	0.33	0.18	0.11	0.11	0.10	0.26	0.14	0.21	0.33
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	0.21	0.60	0.37	0.35	0.18	0.14	0.13	0.12	0.26	0.14	0.32	0.33
		Min-2w	0.19	0.24	0.27	0.30	0.18	0.09	0.09	0.09	0.26	0.14	0.12	0.32
	Yusuhara	Mean	0.06	0.10	0.09	0.14	0.10	0.06	0.06	0.05	0.05	0.05	0.10	0.07
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.06	0.17	0.10	0.19	0.11	0.07	0.06	0.06	0.07	0.06	0.14	0.07
		Min-2w	0.05	0.04	0.08	0.10	0.09	0.05	0.06	0.05	0.03	0.05	0.07	0.07
	Hedo	Mean	0.11	0.26	0.64	0.23	0.33	0.50	0.41	0.33	1.66	0.98	0.74	1.79
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.14	0.44	0.84	0.44	0.34	0.60	0.54	0.49	2.98	1.31	0.90	2.43
		Min-2w	0.08	0.07	0.45	0.02	0.32	0.42	0.28	0.17	0.34	0.66	0.46	1.16
	Ogasawara	Mean	N.D.	0.01	N.D.	0.14	0.01	0.03	0.15	0.10	0.12	0.09	0.08	0.16
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	N.D.	0.03	0.02	0.44	0.02	0.07	0.31	0.38	0.19	0.44	0.27	0.40
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.04	N.D.	0.02	N.D.	N.D.	N.D.
Malaysia	TanahRata	Mean	0.01	0.03	0.03	N.D.	N.D.	0.02	0.02	0.02	0.02	N.D.	N.D.	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.04	0.06	0.06	0.03	0.01	0.06	0.04	0.05	0.03	N.D.	0.02	N.D.
		Min-w	N.D.	N.D.	0.02	N.D.	N.D.	N.D.	N.D.	N.D.	0.01	N.D.	N.D.	N.D.
	Petaling Jaya	Mean	N.D.	N.D.	0.01	0.02	0.01	0.21	0.04	0.02	0.02	N.D.	N.D.	0.02
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.01	N.D.	0.03	0.06	0.02	0.65	0.19	0.05	0.04	0.01	0.02	0.06
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mongolia	Ulaanbaatar	Mean	0.38	0.36	0.45	0.28	0.27	0.34	0.70	0.47	0.22	0.24	0.24	0.29
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	0.44	0.55	0.49	0.45	0.30	0.41	1.47	0.47	0.24	0.33	0.30	0.29
		Min-w	0.30	0.15	0.34	0.14	0.20	0.22	0.37	0.47	0.19	0.12	0.15	0.29
	Terelj	Mean	0.13	0.09	0.07	0.08	0.03	0.07	0.05	N.D.	N.D.	0.03	0.07	0.08
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	0.16	0.10	0.09	0.20	0.06	0.11	0.07	0.02	0.01	0.07	0.08	0.09
		Min-w	0.06	0.06	0.04	N.D.	N.D.	N.D.	0.01	N.D.	N.D.	N.D.	0.06	0.06
Philippines	Metro Manila	Mean	0.10	0.19	0.11	0.12	0.06	0.11	0.07	0.17	0.10	0.10	0.10	0.08
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.22	0.25	0.12	0.22	0.11	0.22	0.12	0.47	0.12	0.13	0.13	0.13
		Min-w	N.D.	0.14	0.08	0.02	0.02	0.04	N.D.	0.04	0.05	0.06	0.06	0.05
	Los Banos	Mean	0.05	0.14	0.16	0.09	0.04	0.02	0.03	0.06	0.03	0.03	0.04	0.07
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.09	0.23	0.17	0.19	0.08	0.02	0.12	0.13	0.05	0.11	0.08	0.16
		Min-w	0.02	0.03	0.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.01	N.D.

Table 4.19 Particulate matter component: Mg^{2+}

Unit:μg/m³			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Republic of Korea	Kanghwa	Mean	-	0.01	0.03	N.D.	N.D.	N.D.	0.01	0.03	0.02	0.02	0.02	0.01
		%	0	7	19	7	16	17	16	16	17	16	17	16
		Max-d	-	0.02	0.06	N.D.	N.D.	N.D.	0.03	0.06	0.03	0.05	0.05	0.02
		Min-d	-	N.D.	0.02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Cheju	Mean	0.02	0.02	0.02	0.01	0.01	N.D.	0.02	N.D.	N.D.	0.02	0.02	0.01
		%	13	14	19	17	16	17	13	16	13	16	17	16
		Max-d	0.03	0.05	0.04	0.02	0.02	0.01	0.04	0.01	0.02	0.02	0.08	0.02
		Min-d	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Imsil	Mean	0.07	0.02	0.05	0.01	0.04	0.06	0.02	0.02	0.02	N.D.	0.03	0.01
		%	13	11	19	17	16	17	16	16	17	13	17	16
		Max-d	0.28	0.06	0.12	0.04	0.09	0.09	0.04	0.03	0.02	0.01	0.11	0.02
		Min-d	N.D.	N.D.	0.01	N.D.	N.D.	0.02	N.D.	N.D.	0.01	N.D.	N.D.	N.D.
Russia	Mondy	Mean	N.D.	N.D.	N.D.	N.D.	N.D.	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	N.D.	N.D.	N.D.	-	0.0	0.0	-	N.D.	N.D.	N.D.	N.D.	N.D.
		Min*	N.D.	N.D.	N.D.	-	N.D.	N.D.	-	N.D.	N.D.	N.D.	N.D.	N.D.
	Listvyanka	Mean	0.12	0.07	0.03	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	0.29	0.13	0.05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.02	N.D.
		Min-w	0.01	0.02	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Irkutsk	Mean	0.12	0.04	0.05	0.04	0.05	0.03	0.05	0.06	0.04	0.07	0.11	0.15
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	0.35	0.11	0.09	0.09	0.11	0.07	0.09	0.09	0.06	0.14	0.13	0.24
		Min*	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	0.01	0.03	N.D.	0.03	0.06	0.11
	Primorskaya	Mean	0.07	0.04	0.11	0.14	0.04	0.04	0.15	0.04	0.06	0.10	0.10	0.05
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	0.08	0.05	0.16	0.16	0.04	0.05	0.28	0.04	0.06	0.13	0.12	0.05
		Min*	0.05	0.03	0.07	0.12	0.03	0.02	0.03	0.03	0.06	0.06	0.07	0.05
Thailand	Bangkok	Mean	0.16	0.03	0.41	0.02	0.12	0.17	0.07	0.12	N.D.	0.02	-	0.03
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	0.23	-	0.50	-	0.17	0.32	0.12	-	0.02	0.07	-	0.03
		Min-w	0.08	-	0.24	-	0.06	0.09	0.03	-	N.D.	N.D.	-	0.02
	Patumthani	Mean	0.16	0.03	0.17	0.02	0.18	0.06	N.D.	N.D.	N.D.	N.D.	N.D.	0.01
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	0.18	0.05	0.21	0.02	0.27	0.13	-	N.D.	N.D.	0.03	N.D.	0.03
		Min-w	0.12	0.01	0.13	0.02	0.08	N.D.	-	N.D.	N.D.	N.D.	N.D.	N.D.
	Khanchanaburi	Mean	-	-	0.03	-	-	-	N.D.	-	-	-	N.D.	-
	(Vachiralongkorn	%	0	0	48	0	0	0	48	0	0	0	50	0
	Dam)	Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai	Mean	0.02	0.01	0.09	N.D.	0.03	N.D.	N.D.	0.01	N.D.	N.D.	0.02	0.10
	(Mae Hia)	%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	0.04	0.04	0.17	0.02	0.08	0.02	0.02	0.03	N.D.	N.D.	0.05	0.12
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.07
Viet Nam	Ha Noi	Mean	1.75	1.64	1.36	0.28	0.28	0.26	0.24	0.32	0.35	0.78	0.31	0.51
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	2.55	2.61	2.64	0.47	0.64	0.42	0.54	0.65	1.02	2.39	0.52	1.18
		Min-w	0.57	0.32	0.42	N.D.	0.14	0.14	0.03	N.D.	N.D.	0.06	0.10	0.19
	Hoa Binh	Mean	0.39	0.57	0.29	0.18	0.06	1.08	0.94	0.50	0.78	0.40	0.25	0.41
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.96	1.99	0.55	0.31	0.18	1.50	1.56	0.90	1.13	0.70	0.68	0.63
		Min-w	0.11	0.02	0.01	N.D.	N.D.	0.29	0.60	N.D.	0.30	0.06	0.04	0.05

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
% : percentage of period of available data during a month

Table 4.20 Particulate matter component: Ca^{2+}

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Indonesia	Serpong	Mean	0.37	0.78	0.34	0.71	0.25	0.09	0.08	0.31	0.12	0.11	N.D.	0.21
		%	100	100	100	100	100	52	80	100	100	100	100	100
		Max-w	1.03	2.09	0.42	1.24	0.35	-	0.09	0.43	0.24	0.22	N.D.	0.30
		Min-w	0.06	0.07	0.27	0.18	0.15	-	0.06	0.20	N.D.	N.D.	N.D.	0.08
Japan	Rishiri	Mean	0.04	0.06	0.22	0.36	0.16	0.08	0.08	0.09	0.14	0.24	0.20	0.03
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.04	0.07	0.23	0.52	0.23	0.09	0.08	0.12	0.17	0.29	0.42	0.03
		Min-2w	0.04	0.05	0.22	0.20	0.10	0.06	0.08	0.07	0.12	0.18	0.07	0.02
	Tappi	Mean	0.19	0.09	0.58	0.51	0.50	0.11	0.08	0.07	0.20	0.29	0.62	0.06
		%	100	54	100	50	100	100	100	100	100	100	100	100
		Max-2w	0.21	0.19	0.74	0.51	0.72	0.17	0.09	0.09	0.27	0.39	0.73	0.12
		Min-2w	0.16	N.D.	0.43	0.51	0.29	0.05	0.06	0.06	0.13	0.18	0.46	N.D.
	Sado-seki	Mean	0.09	0.39	0.24	0.49	0.18	0.09	0.12	0.10	0.30	0.19	0.25	0.19
		%	100	100	100	100	100	100	100	57	50	93	100	100
		Max-2w	0.13	0.61	0.36	0.80	0.24	0.16	0.14	0.10	0.30	0.28	0.30	0.32
		Min-2w	0.05	0.17	0.13	0.17	0.12	0.06	0.10	0.10	0.30	0.10	0.23	0.06
	Happo	Mean	N.D.	0.11	0.53	0.43	0.27	0.02	0.11	0.05	0.04	0.02	0.23	0.01
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	N.D.	0.22	0.82	0.43	0.51	0.04	0.12	0.08	0.05	0.04	0.40	0.02
		Min-2w	N.D.	0.04	0.24	0.43	0.03	N.D.	0.10	0.02	0.03	N.D.	0.06	N.D.
	Ijira	Mean	0.03	0.15	0.15	0.51	0.29	0.18	0.13	0.09	0.11	0.11	0.19	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.04	0.21	0.15	0.66	0.44	0.20	0.17	0.13	0.13	0.12	0.20	N.D.
		Min-2w	0.02	0.09	0.15	0.37	0.15	0.15	0.09	0.06	0.10	0.09	0.18	N.D.
	Oki	Mean	0.22	0.24	0.42	0.98	0.33	0.20	0.14	0.16	0.19	0.24	0.39	0.47
		%	100	74	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.25	0.29	0.51	1.01	0.38	0.22	0.16	0.17	0.20	0.33	0.40	0.66
		Min-2w	0.18	0.17	0.34	0.95	0.28	0.17	0.13	0.15	0.18	0.16	0.38	0.27
	Banryu	Mean	0.31	0.28	0.22	0.81	0.36	0.19	0.11	0.10	0.12	0.09	0.42	0.21
		%	100	100	100	100	48	100	100	100	50	52	100	100
		Max-2w	0.36	0.33	0.23	1.05	0.36	0.27	0.11	0.11	0.12	0.09	0.74	0.25
		Min-2w	0.25	0.23	0.21	0.56	0.36	0.12	0.11	0.09	0.12	0.09	0.21	0.18
	Yusuhara	Mean	0.09	0.39	0.30	0.69	0.41	0.29	0.16	0.04	0.08	0.09	0.37	0.12
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.09	0.74	0.34	0.97	0.47	0.56	0.19	0.05	0.12	0.12	0.52	0.12
		Min-2w	0.09	0.05	0.26	0.40	0.34	0.13	0.13	0.04	0.04	0.07	0.21	0.12
	Hedo	Mean	0.06	0.22	0.62	0.28	0.34	0.28	0.23	0.18	0.57	0.39	0.50	0.76
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-2w	0.06	0.42	1.03	0.55	0.38	0.36	0.30	0.26	0.99	0.53	0.74	0.82
		Min-2w	0.05	0.03	0.20	0.02	0.30	0.21	0.15	0.11	0.16	0.26	0.21	0.70
	Ogasawara	Mean	N.D.	N.D.	N.D.	0.14	0.02	0.03	0.05	0.03	0.05	0.04	0.03	0.09
		%	100	100	100	100	100	75	100	100	100	100	100	100
		Max-w	N.D.	N.D.	N.D.	0.46	0.04	0.05	0.09	0.10	0.07	0.17	0.10	0.24
		Min-w	N.D.	N.D.	N.D.	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Malaysia	TanahRata	Mean	0.06	0.04	0.07	0.02	0.01	0.12	0.11	0.11	0.12	0.02	0.02	N.D.
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.30	0.07	0.13	0.04	0.04	0.40	0.30	0.35	0.26	0.03	0.02	0.02
		Min-w	N.D.	N.D.	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	0.03	N.D.	N.D.	N.D.
	Petaling Jaya	Mean	0.10	N.D.	0.03	0.05	0.04	1.24	0.20	0.23	0.19	0.04	0.03	0.28
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.16	N.D.	0.06	0.12	0.07	4.38	0.49	0.39	0.39	0.08	0.11	0.73
		Min-w	0.03	N.D.	N.D.	N.D.	N.D.	N.D.	0.08	0.08	0.02	N.D.	N.D.	0.03
Mongolia	Ulaanbaatar	Mean	2.84	2.21	5.18	3.03	3.58	5.24	9.60	10.66	4.34	4.39	4.81	2.49
		%	89	93	97	100	100	100	100	32	47	100	100	23
		Max-w	3.19	4.10	6.98	5.96	4.30	8.43	14.36	10.66	5.10	6.47	5.68	2.49
		Min-w	1.76	0.71	2.81	1.27	1.90	2.68	5.19	10.66	3.58	0.75	3.78	2.49
	Terelj	Mean	0.29	0.33	0.31	0.30	0.15	0.39	0.28	0.17	0.21	0.24	0.32	0.27
		%	100	100	100	100	100	100	97	94	100	100	100	94
		Max-w	0.65	0.51	0.64	0.60	0.17	0.49	0.38	0.30	0.24	0.44	0.45	0.32
		Min-w	0.15	0.20	0.05	0.09	0.12	0.29	0.17	0.05	0.16	0.06	0.20	0.21
Philippines	Metro Manila	Mean	0.98	0.98	0.50	N.D.	0.36	0.89	0.56	0.60	0.93	0.97	1.17	1.01
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	2.95	1.97	0.75	N.D.	0.84	1.53	0.77	0.99	1.38	1.09	1.44	1.76
		Min-w	N.D.	0.27	0.16	N.D.	N.D.	0.37	0.02	0.27	0.72	0.84	1.03	0.46
	Los Banos	Mean	0.13	0.26	0.19	N.D.	0.10	0.10	0.14	0.07	0.07	0.17	0.23	0.20
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	0.40	0.39	0.50	N.D.	0.24	0.18	0.51	0.21	0.18	0.25	0.32	0.26
		Min-w	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	0.15	0.11

Table 4.20 Particulate matter component: Ca^{2+}

Unit:μg/m^3			2005											
Country	Site		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Republic of Korea	Kanghwa	Mean	-	0.07	0.10	0.10	0.08	0.11	0.14	0.14	0.09	0.11	0.08	0.05
		%	0	7	19	7	16	17	16	16	17	16	17	16
		Max-d	-	0.08	0.19	0.11	0.12	0.13	0.24	0.20	0.15	0.22	0.18	0.07
		Min-d	-	0.05	0.07	0.09	0.06	0.08	0.06	0.05	0.04	0.06	0.03	0.04
	Cheju	Mean	0.11	0.09	0.06	0.04	0.11	0.10	0.18	0.03	0.05	0.08	0.06	0.04
		%	13	14	19	17	16	17	13	16	13	16	17	16
		Max-d	0.14	0.15	0.09	0.05	0.15	0.15	0.32	0.05	0.07	0.13	0.19	0.06
		Min-d	0.09	0.06	0.01	N.D.	0.06	0.06	0.07	0.01	0.03	0.05	0.01	0.01
	Imsil	Mean	0.13	0.05	0.14	0.10	0.15	0.24	0.14	0.10	0.12	0.03	0.10	0.06
		%	13	11	19	17	16	17	16	16	17	13	17	16
		Max-d	0.45	0.13	0.29	0.17	0.27	0.47	0.25	0.15	0.17	0.05	0.33	0.10
		Min-d	0.01	N.D.	0.05	0.07	0.07	0.11	0.06	0.04	0.09	0.02	0.03	0.05
Russia	Mondy	Mean	0.04	0.02	0.02	N.D.	0.06	0.04	0.05	0.03	0.02	0.02	0.03	0.04
		%	100	100	100	50	100	100	52	100	100	100	100	100
		Max*	0.06	0.04	0.02	-	0.1	0.1	-	0.05	0.02	0.02	0.04	0.05
		Min*	0.02	N.D.	0.01	-	0.0	N.D.	-	N.D.	0.02	0.02	0.03	0.02
	Listvyanka	Mean	0.16	0.33	0.16	0.06	0.05	N.D.	0.02	N.D.	0.01	0.01	0.02	0.01
		%	97	100	100	100	100	100	90	100	100	100	100	100
		Max-w	0.47	0.44	0.31	0.10	0.10	N.D.	0.04	0.01	0.02	0.02	0.03	0.01
		Min-w	0.01	0.16	0.07	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.01	N.D.
	Irkutsk	Mean	0.61	0.44	0.30	0.29	0.35	0.21	0.40	0.42	0.36	0.55	0.63	0.91
		%	100	100	100	100	83	100	80	100	100	100	100	93
		Max*	1.03	0.61	0.53	0.57	0.78	0.46	0.80	0.71	0.62	0.91	0.84	1.36
		Min*	0.36	0.24	0.05	0.16	N.D.	N.D.	0.06	0.20	0.11	0.33	0.36	0.59
	Primorskaya	Mean	0.34	0.35	0.67	0.75	0.23	0.17	0.08	0.13	0.28	0.39	0.57	0.38
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max*	0.39	0.36	0.79	0.94	0.23	0.18	0.12	0.18	0.29	0.56	0.71	0.39
		Min*	0.29	0.34	0.55	0.55	0.22	0.16	0.04	0.08	0.28	0.22	0.44	0.38
Thailand	Bangkok	Mean	1.47	0.21	2.99	0.09	1.21	0.93	0.55	1.08	0.09	4.10	-	0.54
		%	97	32	100	37	68	100	61	55	93	100	0	71
		Max-w	2.88	-	4.21	-	1.83	1.65	0.82	-	0.17	12.23	-	0.62
		Min-w	0.36	-	2.25	-	0.58	0.47	0.28	-	0.04	N.D.	-	0.45
	Patumthani	Mean	1.63	0.19	0.85	0.14	1.48	0.32	0.01	0.04	0.04	0.23	0.48	0.28
		%	100	71	80	100	65	57	35	45	70	100	70	100
		Max-w	1.80	0.33	1.11	0.24	2.23	0.63	-	0.08	0.06	0.41	0.70	0.59
		Min-w	1.50	0.06	0.59	0.02	0.72	N.D.	-	N.D.	0.02	0.06	0.26	N.D.
	Khanchanaburi (Vachiralongkorn Dam)	Mean	-	-	0.11	-	-	-	N.D.	-	-	-	0.06	-
		%	0	0	48	0	0	0	48	0	0	0	50	0
		Max-w	-	-	-	-	-	-	-	-	-	-	-	-
		Min-w	-	-	-	-	-	-	-	-	-	-	-	-
	Chiang Mai (Mae Hia)	Mean	0.57	1.04	0.15	0.15	0.46	0.12	0.17	0.19	0.02	0.01	0.29	0.27
		%	100	100	100	100	100	90	100	100	100	100	100	100
		Max-w	0.91	1.94	0.38	0.37	1.06	0.35	0.43	0.32	0.03	0.04	0.33	0.47
		Min-w	0.28	0.01	0.02	N.D.	0.11	N.D.	N.D.	0.03	N.D.	N.D.	0.21	0.14
Viet Nam	Ha Noi	Mean	19.47	16.21	17.06	3.87	5.65	8.23	10.77	1.97	2.59	2.46	5.90	7.51
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	27.72	21.11	23.06	5.95	17.30	14.99	14.78	2.87	5.61	3.16	11.08	19.22
		Min-w	4.16	13.96	7.22	2.46	0.99	2.74	4.48	1.35	1.04	0.91	1.34	2.20
	Hoa Binh	Mean	4.58	2.36	1.94	3.43	2.18	5.92	6.04	4.44	4.95	6.23	4.71	7.38
		%	100	100	100	100	100	100	100	100	100	100	100	100
		Max-w	8.71	4.57	2.89	5.52	5.52	7.42	8.21	6.10	7.98	9.76	13.12	9.99
		Min-w	1.25	1.22	1.00	1.55	N.D.	3.90	3.62	3.02	2.67	1.57	1.53	1.45

Mean : monthly arithmetic average value
Max-d : maximum value of daily data in a month
Min-d : minimum value of daily data in a month
Max-w : maximum value of weekly data in a month
Min-w : minimum value of weekly data in a month
Max-2w : maximum value of biweekly data in a month
Min-2w : minimum value of biweekly data in a month
% : percentage of period of available data during a month

Table 4.21 Approximate conversion ratios from ppb to μg/m^3 (20^{o}C, 1 atm)

Species	SO_2	O_3	NO	NO_2	HNO_3	HCl	NH_3
Ratio	x 2.66	x 2.00	x 1.25	x 1.91	x 2.62	x 1.52	x 0.71

Table 4.22 Expedient detection limits for summarizing air concentration data

Species	Detection limits
SO_2	0.1 ppb
NO NO_2 NO_x	0.1 ppb
O_3	1 ppb
HNO_3	0.1 ppb
HCl	0.1 ppb
NH_3	0.1 ppb
PM	1 μg/m^3
Particulate components	0.01 μg/m^3

Table 4.23 Median of 3σ analyzed in 2005, where σ is the standard deviation of blank filters at every test. σ is converted to the air concentration value (μg/m^3) by using air volume of 20.16 m^3 (weekly sampling by flaw rate of 2LPM).

Species	SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Mg^{2+}	Ca^{2+}
Median (μg/m^3)	-*	-*	0.0122	0.0056	0.0070	0.0018	0.0009	0.0051

* Concentrations were not detected on all of blank filters by ion-chromatograph

5. Soil and Vegetation Monitoring

5.1 Method

The basic survey was principally carried out for the initial objectives (namely, establishment of baseline data and early detection of possible impact) in the participating countries in accordance with the Technical Manual on Soil and Vegetation Monitoring in East Asia. General items are described in the Table 5.1 but actual implementation of item sets was dependent on respective site.

Table 5.1. Basic survey for soil and forest

Item	Parameters
Soil	- pH(H_2O), pH(KCl), Exchangeable base cations (Na, K, Ca, and Mg), Exchangeable acidity, Effective cation exchange capacity (ECEC), Carbonate content (if pH > 7) - Exchangeable Al and H, Total C content, Total N content (optional) - Available P, Sulfate (voluntary) - Physical properties (Fine earth bulk density, and Penetration resistance)(optional)
Forest	- General description of the forest (Description of trees, and Understory vegetation), Observation of tree decline - Photographic record of tree decline, Estimation of decline causes (optional)

1) Monitoring Sites

Forest data and soil data of three areas of two countries were submitted this year. Since the interval of soil and vegetation monitoring was decided as 3–5 years in the Technical Manual, most sites, which were reported in 2004, were not surveyed in 2005. The list of monitoring site and reported items for 2005 was shown in Table 5.2.

Table 5.2. Outline of the Monitoring Sites in 2005

Country	Nearest deposition monitoring site	Site: Name of forest area	Soil type	Items[*1]
Japan	Banryu	Banryu-2	Cambisols	F[*3]
		Iwami “rinku” Factory Park	(Acrisols)[*2]	F[*3]
	Ijira	Lake Ijira	Dystric Cambisol	F[*3]
		Yamato	Andosols	F[*3]
Mongolia	Ulaanbaatar	Bogdkhan Mt.	Mountain derno-taiga with Mountain cryomorphic-taiga[*2]	F
Russia	Listvyanka	Pereemnaya River	Dystric Leptosol Gelic Podzol	S, F

*1. S, Soil monitoring; F, Forest monitoring; *2. Soils have not been clearly classified in accordance with FAO/UNESCO; *3. Observation of tree decline was only carried out.

2) Field Operation

Basically, two forest areas, whose soils have different sensitivities to acid deposition, are recommended to be selected in an area. Several plots (at least two ones) of areas from 5m*5m to 10m*10m should be chosen randomly at each forest area (each soil type). Five subplots with 1m*1m square of each are set up for soil sampling at the center and along the diagonal lines of the plot (Fig.5.1). Three coaxial round plots are established for general description of trees with areas of 1000, 400 and 200 square meters respectively (Fig. 5.2). Observation of tree decline is carried out basically for selected twenty trees with average height of around 20m.

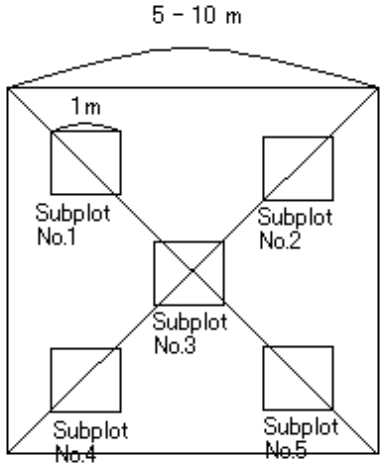


Figure 5.1 Plot for soil sampling

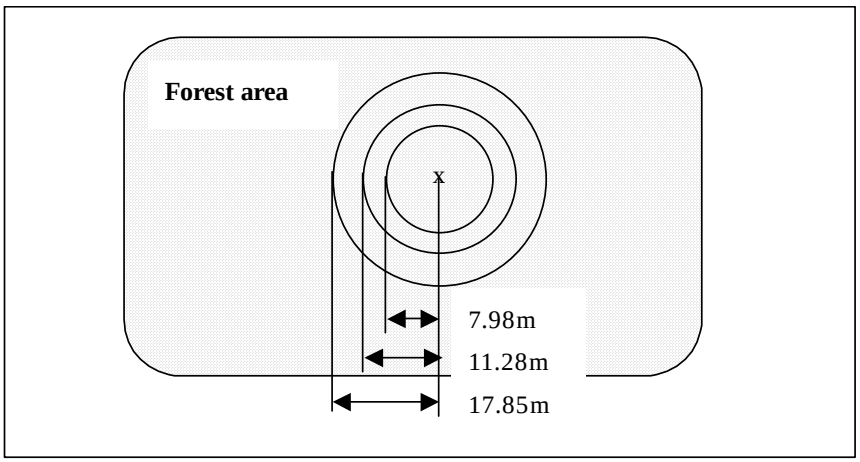


Figure 5.2. Plots for description of trees

3) Laboratory Operation

Analytical methods recommended in the Manual are presented in Table 5.3.

Table 5.3. Analytical equipment and methods for soil monitoring

Parameters	Equipment/methods
Chemical Properties of Soil	
a) Moisture Content	Drying oven, Balance
b) pH (H_2O) and pH (KCl)	Glass electrode
c) Exchangeable Base Cations (Ca, Mg, K and Na)	AAS, ICP-AES or ICP-MS (CH_3COONH_4-Extraction)
d) Exchangeable Acidity	Titration (KCl-Extraction)
e) Exchangeable Al , H	ibid.
f) Effective Cation Exchange Capacity (ECEC)	Calculation (as sum of exchangeable cations)
g) Carbonate Content (for calcareous soil)	Volumetric calcimeter
h) Total Carbon Content	Titration (Walkley-Black method) or CN-analyzer
i) Total Nitrogen Content	Titration (Kjeldahl method) or CN-analyzer
j) Available Phosphate	Spectrophotometry (Bray-1 test)
k) Sulfate	Turbidimetry, IC, ICP-AES or ICP-MS
Physical Properties of Soil	
a) Fine Earth Bulk Density	Metal sampling cylinder, Drying oven, Balance
b) Penetration Resistance (in the fieldwork)	Pocket penetrometer

5.2 Results of Monitoring

Results of basic survey for soil and forest were reported in the following tables:

Table 5.4: Soil chemical analysis

Table 5.5: Description of trees

Table 5.6: Understory vegetation survey

Table 5.7: Observation of tree decline

Figure 5.3: Photographic record of tree decline

5.3 Subjects to be improved

1) Repeat analysis of soil chemical properties should be carried out in order to clarify within-laboratory reproducibility precisions.
2) As for the estimated cause of tree decline in the Table 5.7, original descriptions by National Centers are kept there. Further investigations may be necessary in order to clarify actual causes.

Table 5.4. Soil chemical analysis: Pereemnaya River

Sampling period: 25-26 August 2005.
Name of analysis laboratory: Laboratory of Hydrochemistry and Atmospheric Chemistry, Limnological Institute SB/RAS.

Sample No	Location	Soil type	Plot	Sub-plot No	Layer analysed	Moisture content	pH		Exchangeable base cations				Ex-acidity	Ex-acid		ECEC	Base saturation
									Ca	Mg	K	Na		Al	H		
					(cm)	(wt%)	H_2O	KCl	(cmol(+) kg^{-1})								%
1	Bottom flow (right bank) of Pereem-naya river	Dystric Leptosol	10 Slope of the hill	0	0-10	4.7	4.2	2.8	6.69	1.67	0.8	0.13	5.0	3.5	1.6	14.3	65.0
5				1		4.2	4.3	2.8	10.17	1.32	0.8	0.13	5.3	3.7	1.6	17.7	70.1
9				2		5.1	4.1	2.7	11.01	1.12	1.01	0.16	5.6	3.8	1.8	18.9	70.4
13				3		4.7	4.3	2.8	12.14	1.2	0.78	0.14	5.0	3.2	1.8	19.3	74.0
17				4		14.4	4.3	2.9	11.5	3.91	1.54	0.15	5.3	3.4	1.9	22.4	76.5
2				0	10-20	2.9	4.6	4.1	0.19	0.23	0.14	0.08	18.2	16.1	2.1	18.8	3.4
6				1		2.7	4.7	4.2	0.41	0.3	0.17	0.1	16.3	14.2	2.1	17.3	5.7
10				2		4.0	4.3	4.1	0.18	0.18	0.07	0.08	18.3	16.2	2.1	18.8	2.7
14				3		3.0	4.6	4.2	0.22	0.13	0.09	0.07	16.6	14.1	2.5	17.1	3.0
18				4		3.1	4.7	4.2	1.34	0.34	0.13	0.1	18.5	15.6	2.9	20.4	9.4
3				0	20-30	2.9	5.0	4.2	0.13	0.09	0.09	0.08	17.5	15.5	2.1	17.9	2.2
7				1		2.3	5.0	4.2	0.1	0.09	0.14	0.07	14.7	13.5	1.2	15.1	2.7
11				2		2.6	5.0	4.2	0.14	0.12	0.06	0.07	16.7	15.0	1.7	17.0	2.3
15				3		2.6	5.1	4.3	0.16	0.17	0.08	0.07	14.2	13.2	1.1	14.7	3.3
19				4		2.7	5.1	4.3	0.77	0.21	0.1	0.07	17.1	15.8	1.4	18.3	6.3
4				0	30-40	2.6	5.0	4.5	0.21	0.11	0.07	0.07	14.6	13.8	0.8	15.0	3.1
8				1		2.1	5.0	4.4	0.11	0.08	0.06	0.05	12.9	12.4	0.6	13.2	2.3
12				2		2.5	5.1	4.7	0.1	0.08	0.04	0.05	13.5	12.7	0.8	13.8	2.0
16				3		2.2	5.1	4.6	0.11	0.14	0.07	0.05	12.8	11.7	1.1	13.2	2.8
20				4		2.3	5.2	4.8	0.13	0.11	0.08	0.04	15.2	14.5	0.7	15.6	2.3
21		Gelic Podzol	11 Bottom of the hill	0	0-10	5.2	4.6	3.2	12.44	3.83	1.2	0.18	4.5	3.0	1.5	22.2	79.7
24				1		4.2	4.5	3.5	7.81	2.53	0.63	0.22	4.8	3.3	1.5	15.9	70.2
27				2		4.2	4.7	3.6	10.14	3.51	0.75	0.16	5.0	3.5	1.6	19.6	74.4
30				3		4.3	4.3	3.4	4.63	1.39	0.92	0.16	4.7	3.1	1.6	11.8	60.4
33				4		4.7	4.4	3.3	6.99	1.21	0.56	0.22	4.8	3.1	1.8	13.8	65.2
22				0	10-20	3.4	5.0	3.8	8.19	1.17	0.28	0.12	4.8	3.6	1.2	14.5	67.3
25				1		2.6	5.0	4.0	8.81	2.6	0.25	0.1	5.1	3.5	1.6	16.9	69.8
28				2		2.5	5.0	4.0	8.65	2.12	0.29	0.14	5.4	4.6	0.8	16.6	67.7
31				3		2.5	4.9	4.1	3.51	1.21	0.27	0.09	5.3	3.8	1.5	10.3	49.2
34				4		2.7	5.0	4.1	4.35	0.98	0.35	0.2	5.1	3.6	1.5	10.9	53.8
23				0	20-30	2.5	5.2	4.2	5.01	0.78	0.12	0.08	5.6	4.8	0.8	11.6	51.6
26				1		2.2	5.1	4.3	4.02	1.21	0.13	0.09	5.5	4.7	0.9	11.0	49.8
29				2		2.3	5.0	4.1	2.14	0.72	0.11	0.09	5.6	4.8	0.8	8.6	35.5
32				3		2.0	5.2	4.2	3.05	0.66	0.14	0.07	5.6	5.0	0.6	9.5	41.2
35				4		2.1	5.2	4.5	3.01	0.88	0.14	0.17	5.7	4.9	0.9	9.9	42.4

Note: Repeat analysis was not carried out.

Table 5.5 a) Description of trees: Bogdkhan Mt.

Name of plot: Chandman, Bogdkhan Mt.
Date: 15 September 2005

Survey area 1: radius 7.98 m (Height > 1.3 m)

Serial No.	Species Name	DBH (cm)	Height (m)
1	*Larix sibirica*	20	16
2	*Larix sibirica*	32	18
3	*Larix sibirica*	30	21.5
4	*Larix sibirica*	24	19.5
5	*Larix sibirica*	24	18
6	*Larix sibirica*	22	19
7	*Larix sibirica*	20	14.5
8	*Larix sibirica*	12	8
9	*Larix sibirica*	20	16
10	*Larix sibirica*	24	18
11	*Larix sibirica*	28	21.5
12	*Larix sibirica*	26	22.5
13	*Larix sibirica*	16	14.5

Survey area 2: radius 11.28 m (DBH > 4 cm)

Serial No.	Species Name	DBH (cm)	Height (m)
1	*Larix sibirica*	33	19
2	*Larix sibirica*	22	15
3	*Larix sibirica*	25	21.5
4	*Larix sibirica*	33	22.5
5	*Larix sibirica*	34	24
6	*Larix sibirica*	23	18.5
7	*Larix sibirica*	29	20
8	*Larix sibirica*	21	18
9	*Larix sibirica*	18	15.5
10	*Larix sibirica*	25	12.5
11	*Larix sibirica*	33	22.5
12	*Larix sibirica*	33	24
13	*Larix sibirica*	32	20

Note: Tees within the survey area 1 were omitted.

Survey area 3: radius 17.85 m (DBH > 18 cm)

Serial No.	Species Name	DBH (cm)	Height (m)
1	*Larix sibirica*	18	15
2	*Larix sibirica*	31	20.5
3	*Larix sibirica*	26	21
4	*Larix sibirica*	35	23
5	*Larix sibirica*	30	22.5
6	*Larix sibirica*	31	21.5
7	*Larix sibirica*	22	17
8	*Larix sibirica*	26	19.5
9	*Larix sibirica*	42	24
10	*Larix sibirica*	25	21.5
11	*Larix sibirica*	23	20.5
12	*Larix sibirica*	22	18
13	*Larix sibirica*	25	18.5
14	*Larix sibirica*	33	19.5
15	*Larix sibirica*	22	18.5
16	*Larix sibirica*	18	16
17	*Larix sibirica*	26	18
18	*Larix sibirica*	32	20
19	*Larix sibirica*	26	17
20	*Larix sibirica*	21	17.5
21	*Larix sibirica*	19	18
22	*Larix sibirica*	31	21.5
23	*Larix sibirica*	27	16.5
24	*Larix sibirica*	28	20.5
25	*Larix sibirica*	23	19.5
26	*Larix sibirica*	32	20.5
27	*Larix sibirica*	28	18
28	*Larix sibirica*	33	19
29	*Larix sibirica*	23	17
30	*Picea obovata*	29	13.5
31	*Larix sibirica*	25	17
32	*Larix sibirica*	19	13
33	*Larix sibirica*	23	18
34	*Larix sibirica*	28	19.5

Note: Tees within the survey area 2 were omitted.

Table 5.5 b) Description of trees: Pereemnaya

Name of Plot: Pereemnaya
Date: 10 August 2005

Survey area 1: radius 7.98 m (Height > 1.3 m)

Serial No.	Species Name	DBH (cm)	Height (m)
1	*Betula pendula*	13.7	10.2
2	*Betula pendula*	10.2	12.5
3	*Betula pendula*	18.2	15.3
4	*Betula pendula*	16.2	15.2
5	*Betula pendula*	20.1	14.7
6	*Betula pendula*	21	14.9
7	*Betula pendula*	13.1	13.3
8	*Picea obovata*	49.7	20.4
9	*Picea obovata*	38.9	19.6
10	*Picea obovata*	41.4	19.8
11	*Betula pendula*	33.4	15.5
12	*Picea obovata*	42	20.6
13	*Picea obovata*	48.1	22.1
14	*Picea obovata*	42	25.2
15	*Picea obovata*	37.9	18.2
16	*Betula pendula*	25.8	15.4
17	*Picea obovata*	22.9	15.3
18	*Betula pendula*	26.1	16.2

Survey area 2: radius 11.28 m (DBH > 4 cm)

Serial No.	Species Name	DBH (cm)	Height (m)
19	*Betula pendula*	17.5	14.5
20	*Picea obovata*	54.8	25.2
21	*Betula pendula*	18.5	12.6
22	*Betula pendula*	18.5	1 (broke
23	*Betula pendula*	14.3	11.3
24	*Betula pendula*	25.2	15.2
25	*Betula pendula*	27.4	15.5
26	*Betula pendula*	12.4	10.2

Note: Tees within the survey area 1 were omitted.

Survey area 3: radius 17.85 m (DBH > 18 cm)

Serial No.	Species Name	DBH (cm)	Height (m)
27	*Picea obovata*	43.6	25.3
28	*Picea obovata*	44.6	23.1
29	*Betula pendula*	36.6	17.6
30	*Betula pendula*	20.7	15.4
31	*Betula pendula*	22.6	12.4
32	*Betula pendula*	20.7	12.3
35	*Picea obovata*	48.1	22.6
36	*Betula pendula*	19.7	12.4
38	*Picea obovata*	51.9	24.3
39	*Picea obovata*	55.7	24.7
40	*Picea obovata*	42.4	22.2
41	*Betula pendula*	30.9	15.4
42	*Betula pendula*	18.5	11.3
43	*Betula pendula*	19.4	11.6
44	*Betula pendula*	25.8	12.3
45	*Picea obovata*	33.8	20.2
47	*Picea obovata*	47.1	25.4
48	*Betula pendula*	22.3	12.3
49	*Betula pendula*	30.3	14.4
50	*Betula pendula*	15.6	13.1
51	*Betula pendula*	22.6	14.3

Note: Tees within the survey area 2 were omitted.

Table 5.6. Understory vegetation survey

Name of Plot: Pereemnaya
Date: 10 August 2005
Number of species: 26

Species Name	Dominance	Species Name	Dominance
Carex cespitosa	5	*Sorbus sibirica*	+
Gymnocarpium dryopteris	3	*Picea obovata*	+
Fhegopteris connectilis	2	*Pinus sibirica*	+
Equisetum palustre	2	*Rubus idaeus*	+
Equisetum sylvaticum	2	*Stellaria bungeana*	+
Geranium sylvaticum	1	*Rubus saxatilis*	+
Thalictrum minus	1	*Poa sibirica*	+
Ribes nigrum	1	*Saussurea controversa*	+
Padus avium	1	*Duschekia fruticosa*	+
Abies sibirica	1	*Vaccinium vitis-idaea*	+
Calamagrostis langsdorffii	1	*Hylocomium splendens*	1
Maianthemum bifolium	1	*Polytrichum commune*	1
Rosa acicularis	1	*Ptilium cristacastrensis*	1

Table 5.7 a-1) Results of observation of tree decline: Lake Banryu-1

Name of Plot: Banryu-2

Nearest deposition monitoring site: Banryu

Date: October 3, 2005

Individual No.	72	82	76	63	64	65	54	83	34	35	37
Direction	N	N	N	E	E	E	S	S	W	W	W
Plant Name	*Castanopsis cuspidata* var. *sieboldii*	*Machilus thunbergii*	*Symplocos lucida*	*Machilus thunbergii*	*Styrax japonica*	*Machilus thunbergii*	*Clethra barvinervis*	*Quercus serrata*	*Machilus thunbergii*	*Machilus thunbergii*	*Acanthopanax sciadophylloides*
Relative height	+	+	+	+	+	+	+	+	+	+	+
Height (m)	13.5	14.1	13.0	12.1	13.4	13.2	11.7	10.2	13.5	14.3	11.8
DBH (cm)	19.2	23.5	11.4	21.2	15.5	18.0	11.1	14.2	22.3	18.1	15.3
Vitality of tree											
Form of tree											
Branch growth											
Dieback of stem								1			
Density of foliage											
Deformation of leaves											
Size of leaves											
Color of leaves											
Injury of leaves											

Estimated cause of decline: No.83, broken stem

Table 5.7 a-2) Results of observation of tree decline: Lake Banryu-2

Name of Plot: Iwami "rinku" Factory Park

Nearest deposition monitoring site: Banryu

Date: October 4, 2005

Individual No.	92	93	122	100	104	108	127	128	63	137	138	140	112	113	114	142	141
Direction	N	N	N	E	E	E	E	E	S	S	S	S	W	W	W	W	W
Plant Name	*Machilus thunbergii*	*Machilus thunbergii*	*Ilex micrococca*	*Quercus serrata*	*Castanopsis cuspidata* var. *sieboldii*	*Castanopsis cuspidata* var. *sieboldii*	*Castanopsis cuspidata* var. *sieboldii*	*Castanopsis cuspidata* var. *sieboldii*	*Castanopsis cuspidata* var. *sieboldii*	*Quercus serrata*	*Castanopsis cuspidata* var. *sieboldii*	*Quercus serrata*	*Machilus thunbergii*	*Machilus thunbergii*	*Machilus thunbergii*	*Quercus serrata*	*Machilus thunbergii*
Relative height			+		+						-						-
Height (m)	13.7	17.5	20.6	18.2	17.4	16.9	17.6	17.8	17.8	21.2	13.4	15.6	16.3	17.2	17.4	15.7	14.2
DBH (cm)	22.1	26.1	27.5	27.2	27.0	24.8	26.7	32.5	29.8	31.7	22.0	39.7	19.9	21.8	26.5	34.2	22.2
Vitality of tree				1						2						2	
Form of tree																	
Branch growth																	
Dieback of stem																	
Density of foliage																2	
Deformation of leaves																	
Size of leaves																	
Color of leaves				1						3						2	
Injury of leaves				1						3						2	

Estimated cause of decline: No.100, 137, and 142, effects of specific disease for Fagaceae tree species (infection of *Raffaelea quercivora* through the beetle, *Platypus quercivorus)*

Table 5.7 b-1) Results of observation of tree decline: Lake Ijira

Name of Plot: Lake Ijira

Nearest deposition monitoring site: Ijira

Date: October 28, 2005

Individual No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Direction	N	N	N	N	N	E	E	E	E	E	S	S	S	S	S	W	W	W	W	W
Plant Name	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Cryptomeria japonica*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*
Relative height	+				-		+											-	-	
Height (m)																				
DBH (m)																				
Vitality of tree			1		3			1				1	1					1	1	
Form of tree			1		2			1				1	1					1	1	
Branch growth																				
Dieback of stem					4															
Density of foliage			1		3													2		
Deformation of leaves																				
Size of leaves																				
Color of leaves																				
Injury of leaves																				

Estimated cause of decline: No.3, effects of fallen trees; No.5, suppression by other trees and broken stems; No.8, 18, and 19, suppression by other trees; No.12 and 13, broken stems.

Note: The tree No.7 was recorded as *Chamaecyparis obtusa* in the surveys

Table 5.7 b-2) Results of observation of tree decline: Lake Ijira-2

Name of Plot: Yamato

Nearest deposition monitoring site: Ijira

Date: October 27, 2005

Individual No.	22	21	9	10	23	46	47	45	42	7	36	33	14	15	37	30	29	11	12	31
Direction	N	N	N	N	N	E	E	E	E	E	S	S	S	S	S	W	W	W	W	W
Plant Name	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*	*Chamaecyparis obtusa*
Relative height												-	-							-
Height (m)																				
DBH (m)																				
Vitality of tree																				
Form of tree				1									1	1						1
Branch growth																				
Dieback of stem				1																
Density of foliage													1	1						
Deformation of leaves																				
Size of leaves																				
Color of leaves																				
Injury of leaves																				

Estimated cause of tree decline: No.10, broken stem; No.14 and 15, effects of previous suppressions by other trees; No.31, curved shape (effects of heavy snow)

Note: The tree No.7 was recorded as No.5 in the survey in 2004.

Table 5.7 c) Results of observation of tree decline: Bogdkhan Mt.

Name of plot: Chandman, Bogdkhan Mt.

Name of laboratory: Laboratory of Forestry, NUM

Date: 15 September 2005

Individual No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Plant Name	*Larix sibirica*																			
Relative height																				
Vitality of tree	1	1	2	2	2	1	2	2	2	2	1	1	1	1	1	0	3	2	1	3
Form of tree	2	3	2	3	3	3	3	3	3	3	3	2	2	2	3	1	2	3	3	3
Branch growth	2	3	2	3	2	2	3	3	3	3	2	2	2	2	3	2	3	2	2	3
Dieback of stem	1	2	1	3	2	2	2	2	2	2	2	2	2	2	2	1	3	1	1	3
Density of foliage	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
Deformation of leaves	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
Size of leaves	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
Color of leaves	1	1	2	2	2	1	3	2	2	2	1	1	1	1	2	1	2	1	2	2
Injury of leaves	2	2	3	3	3	2	3	3	3	3	2	2	2	2	2	2	3	2	2	2

Estimated cause of decline: natural factors, air pollution

Table 5.7 d) Results of observation of tree decline: Preemnaya

Name of Plot: Pereemnaya

Nearest deposition monitoring site: Listvyanka

Date: 10 August 2005

Individual No	18	25	26	49	9	10	11	12	13	20	38	39	40	17	23	16	24
Direction	N	N	N	N	E	E	E	E	E	S	S	S	S	W	W	W	W
Plant Name	*Betula pendula*	*Betula pendula*	*Betula pendula*	*Betula pendula*	*Picea obovata*	*Picea obovata*	*Betula pendula*	*Picea obovata*	*Picea obovata*	*Picea obovata*	*Picea obovata*	*Picea obovata*	*Picea obovata*	*Picea obovata*	*Betula pendula*	*Betula pendula*	*Betula pendula*
Vitality of tree	2				1		1								1		
Form of tree	1	1			1	2	1		1					1	1	1	1
Branch growth	1		2		1	1	1	1	1				1	1	1	1	1
Dieback of stem																	
Density of foliage	2	1	2	1	2	1	1		1			1	1	1	1	2	1
Deformation of leaves																	
Size of leaves	1	1	1	1	2	2	1		1							1	
Color of leaves	1				1												
Injury of leaves	1		1	1	1		1								1	2	1

Estimated causes of decline: Diseases of leaves (needles) caused by insects and micromycetes; local fires; and an assumed cause – air pollution effect.

Figure 5.3 a-1) Photographic record of tree decline: Lake Banryu

Banryu-2:

Banryu-2 – N

Banryu-2 – S

Banryu-2 – W

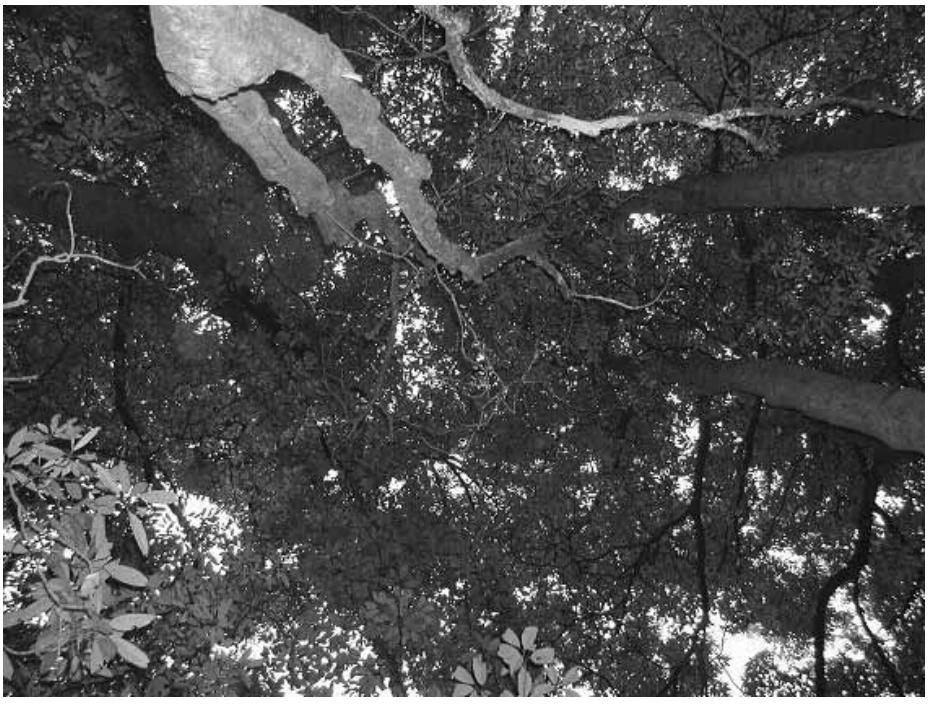
Banryu-2 – E

Iwami “rinku” FP:

Iwami – N

Iwami – S

Iwami – W



Iwami – E

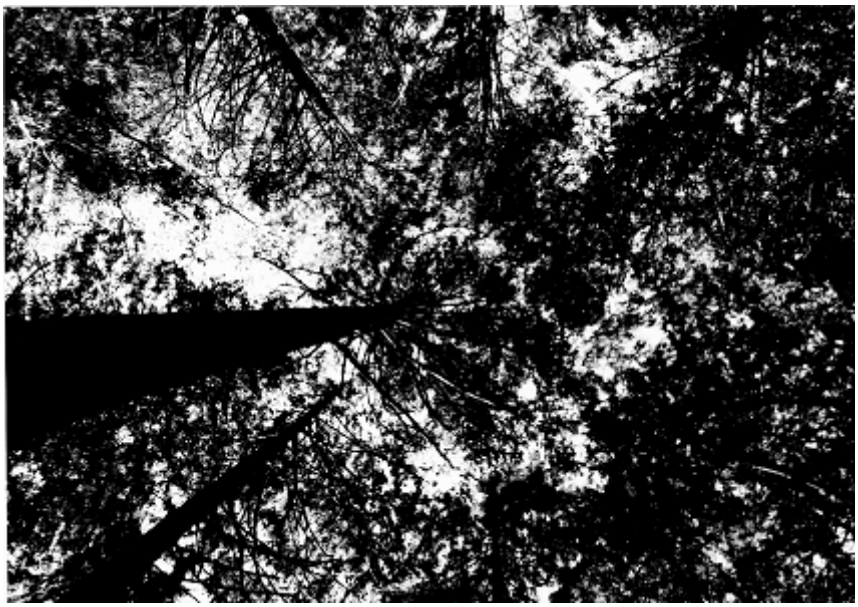
Figure 5.3 a-2) Photographic record of tree decline: Lake Ijira

Ijira

Ijira - N

Ijira – S

Ijira – W



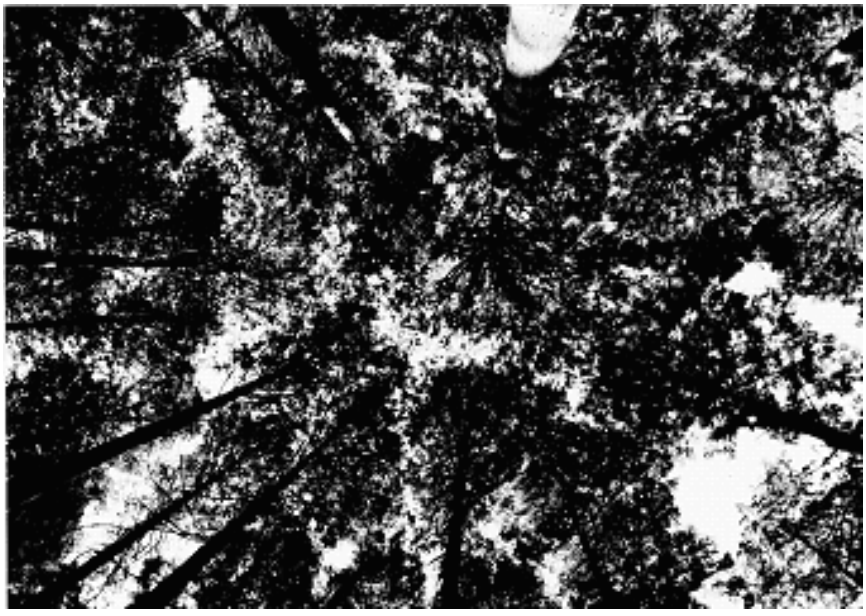
Ijira – E

Yamato:

Yamato – N

Yamato – S

Yamato – W



Yamato – E

Figure 5.3 b) Photographic record of tree decline: Preemnaya

Preemnaya-N

Preemnaya-S

Preemnaya-W

Preemnaya-E

Correction of Table 5.4 a-1) in the Data Report 2003: Hached parts were recalculated.

Sampling period: 19-Feb-02

Name of analysis laboratory: Department of Soil Science, UPLB

Sample No.	Location	Soil type	Plot No.	Subplot No.	Layer analyzed (cm)	Repeat* analysis	Moisture content	pH		Exchangeable basecations (B)				Ex-acidity (A)	Ex-acid cations		ECEC (A)+(B)	Base saturation	T-C
										Ca	Mg	K	Na		Al	H			
							(wt%)	H_2O	KCl	(cmol(+)kg^{-1})								%	(g kg^{-1})
1	Mt. Makiling, Los Banos, Laguna, Philippines	Eutric Cambisol	1	1	0-10	1st	1.1	5.22	4.73	18.00	16.86	2.56	2.86	0.21	0.00	0.21	40.49	99.48	29.70
				2			1.1	5.10	4.49	13.01	18.04	2.51	2.51	0.36	0.11	0.25	36.43	99.01	23.80
				3			1.2	5.18	4.59	14.98	15.84	2.58	2.79	0.29	0.06	0.23	36.48	99.21	23.60
				4			1.1	5.15	4.51	12.96	16.69	2.53	2.53	0.33	0.10	0.23	35.04	99.06	22.00
				5			1.1	4.44	3.95	7.46	15.85	2.20	2.36	2.62	1.99	0.63	30.49	91.41	19.30
2				1	10-20	1st	1.1	5.02	4.39	14.21	14.02	1.92	2.44	0.43	0.20	0.23	33.02	98.70	18.00
				2			1.1	4.57	4.05	7.79	15.23	2.00	2.28	2.20	1.62	0.58	29.50	92.54	14.70
				3			1.1	4.62	4.02	10.17	13.01	2.02	2.24	1.91	1.34	0.57	29.35	93.49	15.50
				4			1.1	4.64	3.99	8.46	14.88	2.28	2.26	2.52	1.78	0.74	30.40	91.71	15.60
				5			1.1	4.32	3.78	4.22	15.20	1.82	2.08	6.15	4.90	1.25	29.47	79.13	13.50
3			2	1	0-10	1st	1.1	5.97	5.24	23.96	15.21	3.19	3.15	0.13	0	0.13	45.64	99.72	24.80
				2			1.1	5.95	5.26	23.08	15.31	3.10	3.20	0.12	0	0.12	44.81	99.73	24.70
				3			1.1	5.88	5.17	23.57	16.13	3.53	3.28	0.13	0	0.13	46.64	99.72	26.50
				4			1.1	5.42	4.73	20.66	13.89	2.73	2.84	0.17	0	0.27	40.29	99.58	23.10
				5			1.3	5.86	5.04	19.28	15.56	3.04	2.80	0.13	0	0.13	40.81	99.68	20.90
4				1	10-20	1st	1.1	5.91	5.03	18.34	14.54	2.96	2.91	0.14	0	0.14	38.89	99.64	14.70
				2			1.1	5.85	4.86	16.03	15.30	2.69	2.60	0.17	0	0.17	36.79	99.54	13.30
				3			1.1	5.67	4.72	17.11	14.39	2.67	2.62	0.20	0	0.20	36.99	99.46	15.20
				4			1.1	5.54	4.41	17.84	13.22	2.14	2.61	0.19	0	0.19	36.00	99.47	16.20
				5			1.1	5.58	4.63	15.02	15.45	2.56	2.53	0.20	0	0.20	35.76	99.44	14.60

Note: Repeat analysis was not reported

Correction of the photographic record of tree decline in the Data Report 2004

The photograph of the west in Banryu 2 was reversed in the north-south direction.

6. Inland Aquatic Environment

6.1 Method

There were evidences over Northern Europe and North America that the lake water pH levels decreased in the 1970's compared to the levels in the 1930's and the damages were appeared as the results of this decrease, such as decline of fish population. The cause of this pH decline is believed to be the deposition of acidic substances into lakes in excess amounts of their neutralization or buffering capacity. In general, inland bodies of water with low alkalinity and low electric conductivities are prone to be sensitive to acidification by acid deposition. Therefore it is important to conduct continuous monitoring of water bodies and aquatic fauna and so on.

The participating countries of EANET are expected to carry out the monitoring of Water temperature, pH, electric conductivity (EC), alkalinity and concentration of SO_4^{2-}, NO_3^-, Cl^-, NH_4^+, Na^+, K^+, Ca^{2+}, and Mg^{2+} of targeted lakes/rivers at least four times a year (seasonally), and, transparency, water color, DOC (if impossible, COD), NO_2^-, PO_4^{3-} more than once a year. While, another items are specified as optional parameters to be monitored.

1) Selection of Monitoring Sites

As described in Table 6.1, 8 countries (China, Indonesia, Japan, Mongolia, Philippines, Russia, Thailand, and Vietnam) carried out inland aquatic environment monitoring. These monitoring sites were established for 9 lakes / reservoirs and 6 streams. (Properties of these monitoring sites are shown on Table 6.3. However it is not completed yet.)

According to the Manual for Monitoring Inland Aquatic Environment, the lakes chosen for monitoring should be harmonic type lakes, preferably with depths of approximately 10m or less, a water residence time of 1 year or less, an area of 1 ha or more, with low alkalinity and electric conductivity, minimal anthropogenic water pollution and no coverage of the surface with aquatic organisms. For the monitoring of springs, it is desirable to locate in nature protection areas, and a minimum of human activities such as deforestation, and cultivation should be conducted or planned in the upstream area.

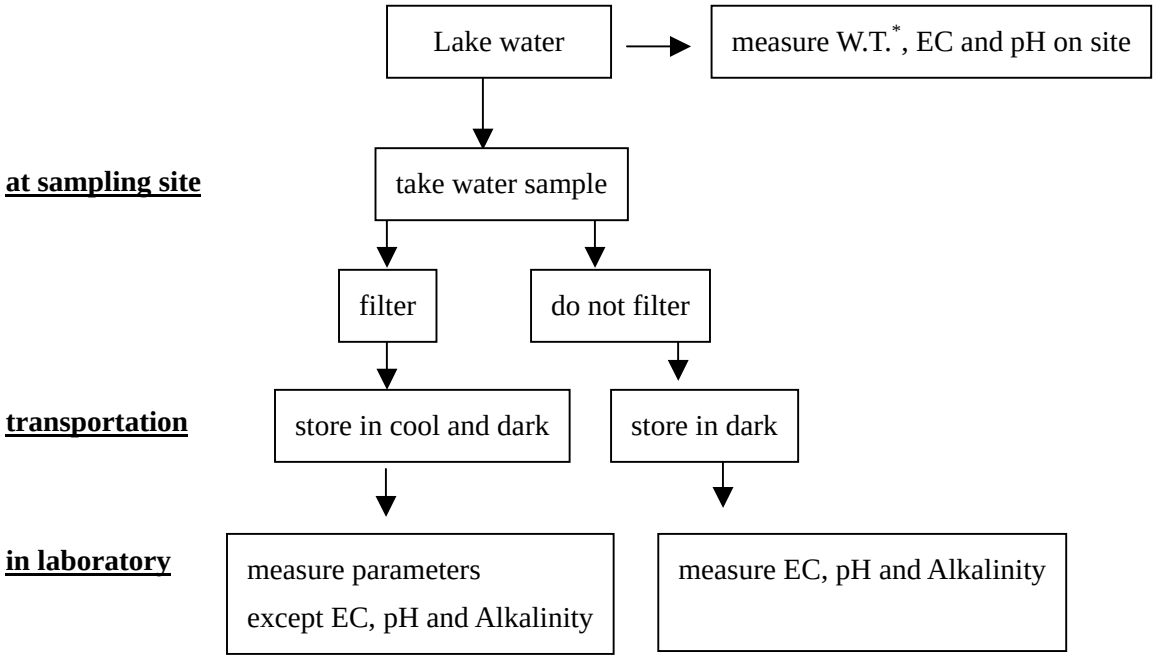
2) Field Operation

Surface water was sampled at one location at the center of the lake. In principle, measurement of pH and electric conductivity was conducted at the site before a precise measurement in the laboratory. Water samples for later analysis were put in a tightly stoppered polyethylene bottle and kept in a cool dark place. The samples were shipped to the laboratory for chemical analysis. The water samples for analysis of chemical components other than alkalinity are filtered at the sampling site with a glass fiber filter. An example of treatment procedure is described in Fig.6.1.

Table 6.1 Outline of Inland Aquatic Environment Monitoring

Country	Name of Lake	Nearest deposition monitoring	Parameter	Interval
China	Jinyunshan Lake (Chongqing)	Rural	Water quality of Jinyunshan lake	4times/yr.
	Jiwozi River (Xi'an)	Remote	Water quality of Jiwozi River	4times/yr.
	Xiaoping Dam (Xiamen)	Remote	Water quality of Xiaoping Dam	4times/yr.
	Zhuxiandong Stream (Zhunai)	Urban	Water quality of Zhuxiandong Stream	4times/yr.
Indonesia	Petenggang Lake	Rural	Water quality of Petenggang Lake	3times/yr.
Japan	Ijira Lake	Rural/Ecolog.	Water quality of Lake Ijira	4times/yr.
	Banryu Lake	Urban/Ecolog.	Water quality of Lake Banryu	4times/yr.
Mongolia	Terelj River	Rural	Water quality of Terelj River	7times/yr.
Philippines	Pandin Lake (Los Banos)	Rural	Water quality of Pandin Lake	4times/yr.
	*****Ambulalakao Lake		Water quality of Ambulalakao Lake	1times/yr.
Russia	Pereemnaya River (Listvyanka)	Rural	Water quality of Pereemnaya River	4times/yr.
	*Komarovka River (Primorskaya)	Rural	Water quality of Komarovka River	5times/yr
Thailand	Vachiralongkorn Dam	Remote	Water quality of Vachiralongkorn Dam	4times/yr.
Viet Nam	Hoa Binh Reservoir	Rural	Water quality of Hoa Binh Reservoir	4times/yr.

***New monitoring site from 2005.**



W.T.* : Water Temperature

Fig.6.1 Example of treatment procedure of lake water sample

3) Laboratory Operation

Collected samples were analyzed by analytical methods specified in Table 6.2 immediately or after stored in a refrigerator.

Table 6.2 Parameters and recommended analytical methods

Parameter	Analytical method
pH	pH meter (glass electrode)
Electric Conductivity	Conductivity meter
Alkalinity	Titration by burette or digital burette with pH meter
NH_4^+, NO_3^-, NO_2^-, PO_4^{3-}	Ion Chromatography or spectrometry
K^+, Mg^{2+}, Ca^{2+}, Na^+	Ion Chromatography or atomic absorption spectrometry
SO_4^{2-}	Ion Chromatography or turbidimetry
DOC	Combustion- infrared method or wet-oxidation method

6.2 Results of Monitoring

Properties of lakes are presented in Table 6.3. In 2005, Komarovka River in Russia and Ambulalakao Lake in Philippines was surveyed as the EANET inland monitoring sites. Those are shown the Table 6.1. The results of measurements of pH, EC and concentrations of major ions are summarized in Table 6.4. Data within or exceeded the criteria of R1,R2 were treated as judge“ O ”or “ X ” in Table 6.4 respectively according to the Manual for Monitoring Inland Aquatic Environment.

R1 and R2 of the data at Xiaoping Dam and Zhuxiandong reservoir in China , Patenggang Lake in Indonesia , Vachiralongkorn Dam in Thailand , and Terelj River in Mongolia seemed to be out the allowable range. However the main reason were not been able to specify.

Though it was only one measurement , the data of EC and Alkalinity which was obtained at Ambulalakao Lake in Philippines was very low.

Table 6.3(1) Properties of lakes or streams

Lake Name: Jinyunshan Lake

Country	China
Location	Chongqing Prefecture
Altitude	—
Origin	Artificial lake
Area and shape	9,990m^2
Shore line length	About 2km
Lake hydrologic type	Reservoir
Lake trophic type	Oligotrophic to Mesotrophic
Water depth	6-13m
Water volume	60,000m^3
Annual water level fluctuation	2-4m
Precipitation	About 1300mm/year
Solar radiation	—
Wind speed	—
Wind direction	—
Residence time of water	—
Lake utilization	For drink, Irrigation water
Watershed area	—
River (flows into)	—

—：no information

Table 6.3(2) Properties of lakes or streams

Lake Name: Xiaoping Dam

Country	China
Location	Xiaoping, Xiamen
Altitude	595m
Origin	Artificial lake
Area and shape	264,000m^2
Shore line length	100m
Lake hydrologic type	Natural
Lake trophic type	Normal
Water depth	57.5m
Water volume	4,080,000m^3
Annual water level fluctuation	—
Precipitation	About 2,500mm/year
Solar radiation	—
Wind speed	—
Wind direction	—
Residence time of water	15days
Lake utilization	Water power
Watershed area	18.1km^2
River (flows into)	Dingxi lake

—：no information

Table 6.3(3) Properties of lakes or streams

Lake Name: Jiwozi River

Country	China
Location	Xi’an
Origin	Natural stream
River length	—
Drainage area	—
The mean height of the river basin	—
Annual air temperature	—
Precipitation	—
Solar radiation	—
Wind speed	—
Wind direction	—
Lake (flows into)	—

—：no information

Table 6.3(4) Properties of lakes or streams

Lake Name: Zhuxiandong Stream

Country	China
Location	Zhuhai
Origin	Natural stream
River length	—
Drainage area	—
The mean height of the river basin	—
Annual air temperature	—
Precipitation	—
Solar radiation	—
Wind speed	—
Wind direction	—
Lake (flows into)	—

—：no information

Table 6.3(5) Properties of lakes or streams

Lake Name: Patenggang Lake

Country	Indonesia
Location	Bandung
Altitude	—
Origin	Natural lake
Area and shape	—
Shore line length	—
Lake hydrologic type	—
Lake trophic type	—
Water depth	—
Water volume	—
Annual water level fluctuation	—
Precipitation	—
Solar radiation	—
Wind speed	—
Wind direction	—
Residence time of water	—
Lake utilization	—
Watershed area	—
River (flows into)	—

—：no information

Table 6.3(6) Properties of lakes or streams

Lake Name: Ijira Lake

Country	Japan
Location	Gifu prefecture
Altitude	110m
Origin	Artificial (dam-made lake)
Area and shape	0.1km^2
Shore line length	1.8km
Lake hydrologic type	Reservoir
Lake trophic type	Oligotrophic or mesotrophic
Water depth	Ave. 5.4m (Max 10.9m)
Water volume	0.00054km^3
Annual water level fluctuation	0-0.74m (Ave. 0.22m)
Precipitation	1,522.5mm/year (2005)
Solar radiation	Daylight time Ave.172hr/month (2005)
Wind speed	2.0-2.9 (Ave. 2.6) m/s (2005)
Wind direction	NWN(summer), WNW(winter) (2005)
Residence time of water	23 days
Lake utilization	Irrigation and fishing
Watershed area	5.4 km^2
River (flows into)	Ijira River, Takabora River

Table 6.3(7) Properties of lakes or streams

Lake Name: Banryu Lake

Country	Japan
Location	Shimane prefecture
Altitude	25m
Origin	Natural damming lake
Area and shape	0.13km^2
Shore line length	5.7km
Lake hydrologic type	―
Lake trophic type	Mesotrophic
Water depth	Ave. 8-8.5m
Water volume	―
Annual water level fluctuation	1.5 m
Precipitation	1,132mm/year (2005) (*)
Solar radiation	Daylight time Ave.134hr/month (2005)
Wind speed	2.3-4.2 (Ave. 3.1) m/s (2005)
Wind direction	S (summer), S (winter) (2005)
Residence time of water	―
Lake utilization	Irrigation
Watershed area	0.73 km^2
River (flows into)	none

―：no information

(*)Precipitation in June is not included in this result because it was not measured by accident.

Table 6.3(8) Properties of lakes or streams

Lake Name: Terelj River

Country	Mongolia
Location	Terelj
Origin	Natural stream
River length	65km
Drainage area	1220km^2
The mean height of the river basin	—
Annual air temperature	—
Precipitation	—
Solar radiation	—
Wind speed	—
Wind direction	—
Lake (flows into)	—

—：no information

Table 6.3(9) Properties of lakes or streams

Lake Name: Pandin Lake

Country	Philippines
Location	San Pablo City
Altitude	200m
Origin	Natural lake
Area and shape	0.25km^2
Shore line length	—
Lake hydrologic type	—
Lake trophic type	—
Water depth	63m
Water volume	—
Annual water level fluctuation	—
Precipitation	—
Solar radiation	—
Wind speed	—
Wind direction	—
Residence time of water	—
Lake utilization	—
Watershed area	—
River (flows into)	—

—：no information

Table 6.3(10) Properties of lakes or streams

Lake Name: Ambulalakao Lake

Country	Philippines
Location	—
Altitude	—
Origin	Natural lake
Area and shape	6.087km^2
Shore line length	—
Lake hydrologic type	—
Lake trophic type	—
Water depth	4.03m
Water volume	
Annual water level fluctuation	—
Precipitation	—
Solar radiation	—
Wind speed	—
Wind direction	—
Residence time of water	—
Lake utilization	—
Watershed area	—
River (flows into)	—

—：no information

Table 6.3(11) Properties of lakes or stream

Stream Name: Pereemnaya River

Country	Russian Federation
Location	Southern Baikal
Origin	Natural stream
River length	42km
Drainage area	About 360km^2
The mean height of the river basin	1,260m
Annual air temperature	-3.4^{o}C
Precipitation	About 800mm/year
Solar radiation	—
Wind speed	—
Wind direction	—
Lake (flows into)	Kholodnoe lake

—：no information

Table 6.3(12) Properties of lakes or stream

Stream Name: Komarovka River

Country	Russian Federation
Location	Primorskli Kray, Ussuriyskii district, near Kamenushka settlement
Latitude	43°42’N
Altitude	386m
Origin	Natural stream
Water depth	Mean 0.8m Maximum 1.5m
Water Volume	0.14m^3/sec
Watershed area	About 1490kn^2
River length	66 km
Drainage area	
The mean height of the river basin	-
Annual air temperature	-
Precipitation	737mm/year (2005)
Solar radiation	-
Wind speed	1.1-2.2 (mean-1.7; dominant-2.2) m/s(2005)
Wind direction	E, NE
Lake (flows into)	River Razdolnaya, Amurskiy Bay

－：no information

Table 6.3(13) Properties of lakes or streams

Lake Name: Vachiralongkorn Dam

Country	Thailand
Location	Kanchanaburi Province
Altitude	170m
Origin	Artificial (Dam made lake)
Area and shape	3,720 km^2
Shore line length	-
Lake hydrologic type	Reservoir
Lake trophic type	-
Water depth	Avg. 149.08 m (max:153.21 m)
Water volume	6.7276 km^3
Annual water level fluctuation	0-18 m (Ave. 9m)
Precipitation	-
Solar radiation	-
Wind speed	-
Wind direction	-
Residence time of water	165 days
Lake utilization	Irrigation and Electric power
Watershed area	3,720 km^2
River (flows into)	

－：no information

Table 6.3(14) Properties of lakes or streams

Lake Name: Hoa Binh Reservoir

Country	Viet Nam
Location	Hoa Binh Provinces
Altitude	23m
Origin	Artificial (dam-made lake)
Area and shape	208 km^2-25km^2 (*)
Shore line length	208km-16.7km(*)
Lake hydrologic type	Reservoir
Lake trophic type	Mesotrophic
Water depth	60m (max: 120m)
Water volume	9.45 km^3-2.5 km^3(*)
Annual water level fluctuation	80m- 120m (Ave.100m)
Precipitation	-
Solar radiation	-
Wind speed	-
Wind direction	-
Residence time of water	365 days
Lake utilization	electric power and flood control
Watershed area	51,700 km2-13,700km^2(*)
River (flows into)	Da River

－：no information

(*)The second values are in affected area of reservoir.

Table 6.4(1) Result of Inland Aquatic Environment Monitoring

Duration: 2005.1.-2005.12.
Country: China
Lake Name: See below

		Mandatory Parameters : 4 times/year												Mandatory Parameters : 1 times/year							
Site	Sampling Date	Temp. (℃)	pH	EC (mS/m)	Alkalinity (meq/l)	SO_4^{2-} (mg/l)	NO_3^- (mg/l)	Cl^- (mg/l)	NH_4^+ (mg/l)	Na^+ (mg/l)	K^+ (mg/l)	Ca^{2+} (mg/l)	Mg^{2+} (mg/l)	PO_4^{3-} (mg/l)	NO_2^- (mg/l)	DOC (mg/l)	Transparency (m)	COD (mg/l)	Mn^{2+} (mg/l)	Chl-a (μg/l)	Water color
Chongqing	08-Mar-05	12.0	6.80	10.6	0.13	29.0	6.81	3.00	0.05	2.80	1.74	9.78	3.60	-	-	-	3.3	-	-	-	-
-Jinyunshan Lake	09-May-05	22.0	6.46	10.3	0.06	28.9	8.83	2.93	0.00	2.88	1.80	9.47	3.28	-	-	-	4.8	-	-	-	-
	01-Sep-05	23.0	5.72	9.80	0.04	27.8	9.10	2.40	0.02	2.50	1.86	9.00	3.00	-	-	-	5.1	-	-	-	-
	29-Dec-05	14.0	5.90	10.1	0.06	26.8	7.90	2.20	0.09	2.60	1.90	9.20	3.00	N.D	N.D	-	1.8	2.9	-	-	-
	mean*1	17.8	6.04	10.2	0.07	28.1	8.16	2.63	0.04	2.70	1.82	9.36	3.22	*3	*3	-	3.7	*3	-	-	-
Xiamen	04-Mar-05	11.6	6.78	4.47	0.25	2.18	1.92	3.72	0.07	6.11	2.04	3.54	0.68	-	-	-	-	1.0	-	-	-
-Xiaoping Dam	09-Jun-05	24.6	6.75	4.63	0.24	2.34	2.89	3.56	0.05	4.35	2.48	2.98	0.59	-	-	-	-	1.9	-	-	-
	22-Sep-05	26.2	6.76	4.05	0.22	1.57	3.41	2.81	0.04	3.66	2.55	2.73	0.51	-	-	-	-	1.2	-	-	-
	09-Oct-05	23.4	6.65	5.33	0.22	2.19	3.08	5.68	0.03	4.96	2.41	2.54	0.66	0.020	0.008	-	0.85	1.3	-	-	-
	mean*1	21.5	6.73	4.62	0.23	2.07	2.83	3.94	0.05	4.77	2.37	2.95	0.61	*3	*3	-	*3	1.3	-	-	-
Xi'an	23-Mar-05	2.5	7.40	8.85	0.25	15.1	0.98	2.35	0.02	1.65	0.53	8.83	1.38	-	-	-	-	-	-	-	-
-Jiwozi River	07-Jun-05	11.0	6.83	6.81	0.18	12.7	0.46	1.30	0.15	1.39	0.72	4.89	1.53	-	-	-	-	-	-	-	-
	26-Sep-05	12.0	6.93	8.19	0.20	20.7	1.12	1.67	0.06	2.15	0.95	7.76	1.46	-	-	-	-	-	-	-	-
	26-Nov-05	4.0	6.97	8.12	0.20	12.7	0.68	1.66	0.00	1.88	0.66	8.29	1.04	0.090	N.D	-	-	1.6	-	-	-
	mean*1	7.4	6.99	7.99	0.21	15.3	0.81	1.74	0.06	1.77	0.72	7.44	1.35	*3	*3	-	-	*3	-	-	-
Zhuhai	08-Jan-05	14.5	7.10	8.50	0.12	5.10	1.50	6.00	*2	9.10	1.80	4.90	5.50	*2	*2	-	1.5	0.8	-	-	-
-Zhuxiandong	08-Apr-05	24.5	7.20	9.60	0.14	6.90	2.30	7.20	*2	10.2	1.20	5.00	2.50	*2	*2	-	1.2	0.9	-	-	-
reservoir	08-Jul-05	29.0	6.80	11.5	0.16	7.20	2.40	8.50	*2	8.20	1.40	4.80	1.50	*2	*2	-	1	1.1	-	-	-
	08-Oct-05	24.0	6.90	8.50	0.11	4.10	0.60	5.20	*2	8.10	2.00	3.80	1.10	*2	*2	-	1.4	0.9	-	-	-
	mean*1	23.0	6.97	9.53	0.13	5.83	1.70	6.73	*2	8.90	1.60	4.63	2.65	*2	*2	-	1.3	0.9	-	-	-

note
-:Item not analyzed
*1: Mean of pH takes an average of hydrogen ion
*2：Item were not detected.
*3: We didn't calculate the mean value because the sampling was done only once a yea

		Anion	Cation	R1	Judge*4	Δcalc	R2	Judge*4
Chongqing	08-Mar-05	931.6	953.3	1.2	O	12.3	7.3	O
-Jinyunshan Lake	09-May-05	886.0	913.9	1.6	O	12.0	7.5	O
	01-Sep-05	831.9	855.1	1.4	O	11.3	7.3	O
	29-Dec-05	806.4	873.7	4.0	O	11.2	5.1	O
Xiamen	04-Mar-05	429.2	555.5	12.8	×	5.6	11.2	×
-Xiaoping	09-Jun-05	436.9	452.8	1.8	O	5.2	5.3	O
	22-Sep-05	391.6	404.7	1.6	O	4.6	6.3	O
	09-Oct-05	471.3	460.4	-1.2	O	5.5	1.6	O
Xi'an	23-Mar-05	646.8	640.3	-0.5	O	8.0	-5.3	O
-Jiwozi	07-Jun-05	488.8	457.4	-3.3	O	5.9	-7.3	O
	26-Sep-05	696.0	627.8	-5.2	O	8.5	1.6	O
	26-Nov-05	522.6	597.7	6.7	O	6.9	-8.1	O
Zhuhai	08-Jan-05	419.6	1138.8	46.1	×	9.0	3.1	O
-Zhuxiandong	08-Apr-05	523.9	929.5	27.9	×	8.6	-5.3	O
reservoir	08-Jul-05	588.4	755.5	12.4	×	8.2	-17.0	×
	08-Oct-05	351.7	683.7	32.1	×	6.1	-16.3	×

*4 : Concerning "×"judging, there are some possible reason, but it's difficult to specify the main reason.

Table 6.4(2) Result of Inland Aquatic Environment Monitoring

Duration: 2005.7.-2005.12
Country: Indonesia
Lake Name: Patenggang Lake

Site	Sampling Date	Temp. (^{o}C)	pH	EC (mS/m)	Alkalinity (meq/L)	SO42- (mg/L)	NO3- (mg/L)	Cl- (mg/L)	NH4+ (mg/L)	Na+ (mg/L)	K+ (mg/L)	Ca2+ (mg/L)	Mg2+ (mg/L)	PO_4^{3-} (mg/L)	NO_2^- (mg/L)	DOC (mg/L)	Transparency (m)
Center (Surface)	7-Jul-05	21.0	7.2	6.00	0.380	8.6	0.50	2.0	0.65	6.09	1.98	5.8	2.6	*2	*2	12.0	0.083
	19-Oct-05	13.0	7.0	6.20	0.476	5.9	0.10	3.9	0.43	2.67	1.76	4.8	2.0	0.010	*2	7.8	0.035
	12-Dec-05	20.4	7.5	7.94	0.520	12.0	0.10	1.0	0.22	3.35	1.86	6.5	3.5	0.009	*2	13.0	0.072
	mean[*1]	18.1	7.2	6.71	0.459	8.83	0.23	2.3	0.43	4.04	1.87	5.7	2.7	0.010	*2	10.9	0.063

note
*1 : Mean of pH takes an average of hydrogen ion
*2：Item were not detected.

		Anion	Cation	R1	Judge*3		Acalc	R2	Judge*3
Center (Surface)	7-Jul-05	623.6	854.6	15.6	X		8.4	16.9	X
	19-Oct-05	710.4	589.2	-9.3	X		7.4	8.5	O
	12-Dec-05	799.7	817.7	1.1	O		9.2	7.3	O

note
*3:Concerning "X" judging, it was not able to specify the main reasons

Table 6.4(3) Result of Inland Aquatic Environment Monitoring

Duration: 2005.5.-2006.3.
Country: Japan
Lake Name: Ijira Lake

		Mandatory Parameters : 4times/year											
Site	Sampling Date	Temp. (degreeC)	pH	EC (mS/m)	Alkalinity (meq/L)	SO_4^{2-} (mg/L)	NO_3^- (mg/L)	Cl^- (mg/L)	NH_4^+ (mg/L)	Na^+ (mg/L)	K^+ (mg/L)	Ca^{2+} (mg/L)	Mg^{2+} (mg/L)
Center (Surface)	30-May-05	21.5	7.0	4.52	0.164	6.50	1.81	2.55	0.08	2.56	0.38	3.22	1.39
	31-Aug-05	25.3	7.2	4.92	0.160	5.81	3.01	2.33	0.18	2.43	0.58	3.66	1.66
	16-Nov-05	15.2	6.8	4.45	0.172	5.35	2.44	2.17	0.03	2.20	0.39	3.37	1.42
	03-Mar-06	7.5	6.8	4.00	0.118	5.27	2.24	2.26	0.02	1.98	0.22	2.82	1.23
	mean	17.4	6.9	4.47	0.153	5.73	2.37	2.32	0.08	2.29	0.39	3.27	1.42
Center (near bottom)	30-May-05	17.0	7.1	4.64	0.170	6.38	2.41	2.60	0.04	2.68	0.42	3.26	1.45
	31-Aug-05	23.7	6.6	5.00	0.152	5.68	3.03	2.38	0.14	2.52	0.60	3.57	1.67
	16-Nov-05	16.5	6.8	4.63	0.174	5.32	2.40	2.22	0.07	2.28	0.43	3.39	1.42
	03-Mar-06	7.9	6.9	4.07	0.119	5.29	2.31	2.28	0.02	1.99	0.24	2.85	1.25
	mean	16.3	6.8	4.58	0.154	5.67	2.54	2.37	0.07	2.36	0.42	3.27	1.45
Ijira River (Input)	30-May-05	16.5	7.1	4.92	0.171	7.87	2.32	2.43	0.06	2.83	0.39	3.37	1.54
	31-Aug-05	20.0	6.8	5.13	0.149	6.79	3.20	2.30	0.16	2.46	0.58	3.66	1.75
	16-Nov-05	14.0	7.2	4.74	0.138	7.25	2.71	2.17	<0.01*3	2.24	0.35	3.20	1.58
	03-Mar-06	7.5	7.0	4.07	0.105	5.45	2.93	2.19	<0.01*3	1.92	0.25	2.65	1.35
	mean	14.5	7.0	4.71	0.140	6.84	2.79	2.27	0.05	2.36	0.39	3.22	1.55
Takabora River (Input)	30-May-05	16.8	7.1	4.73	0.168	6.50	2.43	2.75	0.04	3.11	0.40	2.73	1.60
	31-Aug-05	19.0	6.8	4.32	0.124	4.95	2.65	2.47	0.09	2.60	0.53	2.46	1.63
	16-Nov-05	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-06	7.5	6.9	3.64	0.100	4.45	2.11	2.34	<0.01*3	2.20	0.21	1.83	1.30
	mean*2	14.4	6.9	4.23	0.131	5.30	2.39	2.52	0.03	2.64	0.38	2.34	1.51
Ijira River (Output)	30-May-05	-	-	-	-	-	-	-	-	-	-	-	-
	31-Aug-05	25.0	7.6	4.92	0.167	5.52	2.68	2.27	0.18	2.55	0.59	3.66	1.60
	16-Nov-05	-	-	-	-	-	-	-	-	-	-	-	-
	03-Mar-06	-	-	-	-	-	-	-	-	-	-	-	-
	mean*1												
Discharge	30-May-05	18.5	7.1	4.43	0.165	5.85	2.12	2.41	<0.01*3	2.42	0.36	3.02	1.42
	31-Aug-05	22.0	6.5	4.92	0.181	5.45	3.36	2.36	0.19	2.50	0.51	3.57	1.54
	16-Nov-05	15.5	6.9	4.63	0.173	5.39	2.45	2.20	0.03	2.26	0.40	3.38	1.41
	03-Mar-06	8.0	6.9	4.08	0.119	5.30	2.26	2.29	0.02	2.00	0.23	2.86	1.24
	mean	16.0	6.8	4.51	0.159	5.49	2.55	2.31	0.06	2.29	0.38	3.21	1.40

note
-：Item not analyzed
*1： We didn't calculate the mean value because the sampling was done only once a year
*2：average of three times a year
*3:less than determination limits
pick up 2 samples on site and measure three times/sample.
Mean of pH takes an average of hydrogen ion.
When the value is under detection limits, it considers "0". When it is over detection limits and under determination limits it considers half determination limits. And using it, it was calucrated the average and R1R2"
Annual precipitation is 1522.5mm/year in 2005（Gifu pref. Meteorological observatory）
There is no running water at Ijira River(output) on May, November and March
There is no running water at Takabora River(input) on November

		Mandatory Parameters : Once/year					
Site	Sampling Date	PO_4^{3-} (mg/L)	NO_2^- (mg/L)	DOC (mg/L)	Transparency (m)	Water color	Chl-a (μg/L)
Center (Surface)	30-May-05	<0.03*3	0.07	0.65	3.70	clear	1.7
	31-Aug-05	<0.03*3	0.10	0.70	3.50	clear	3.0
	16-Nov-05	<0.03*3	0.11	0.70	1.60	clear	3.1
	03-Mar-06	<0.03*3	<0.02*3	0.90	3.20	clear	2.6
	mean	<0.03*3	0.07	0.74	3.00		2.6
Center (near bottom)	30-May-05	<0.03*3	<0.02*3	0.65	-	clear	1.2
	31-Aug-05	<0.03*3	0.11	1.30	-	clear	1.6
	16-Nov-05	<0.03*3	0.11	0.80	-	clear	3.5
	03-Mar-06	<0.03*3	<0.02*3	1.45	-	clear	2.2
	mean	<0.03*3	0.05	1.05	-		2.1
Ijira River (Input)	30-May-05	<0.03*3	<0.02*3	0.35	-	clear	-
	31-Aug-05	<0.03*3	0.05	0.40	-	clear	-
	16-Nov-05	<0.03*3	<0.02*3	0.40	1.60	clear	-
	03-Mar-06	<0.03*3	<0.02*3	1.45	-	clear	-
	mean	<0.03*3	<0.02*3	0.7	*1		-
Takabora Rive (Input)	30-May-05	<0.03*3	<0.02*3	0.35	-	clear	-
	31-Aug-05	<0.03*3	<0.02*3	0.55	-	clear	-
	16-Nov-05	-	-	-	-	clear	-
	03-Mar-06	<0.03*3	<0.02*3	0.95	-	clear	-
	mean*2	<0.03*3	<0.02*3	0.6	-		-
Ijira River (Output)	30-May-05	-	-	-	-	-	-
	31-Aug-05	<0.03*3	0.23	0.80	-	clear	-
	16-Nov-05	-	-	-	-	clear	-
	03-Mar-06	-	-	-	-	clear	-
	mean*1				-		-
Discharge	30-May-05	<0.03*3	<0.02*3	0.60	-	clear	-
	31-Aug-05	<0.03*3	0.05	0.75	-	clear	-
	16-Nov-05	<0.03*3	0.11	0.75	-	clear	-
	03-Mar-06	<0.03*3	<0.02*3	1.20	-	clear	-
	mean	<0.03*3	0.04	0.8	-		-

		Anion	Cation	R 1	Judge	Λcalc	R2	Judge
Center	30-May-05	400.3	399.7	-0.1	○	4.8	3.0	○
(Surface)	31-Aug-05	395.1	449.3	6.4	○	5.1	1.4	○
	16-Nov-05	383.7	391.7	1.0	○	4.6	1.7	○
	03-Mar-06	326.8	334.7	1.2	○	4.0	0.2	○
Center	30-May-05	414.3	410.9	-0.4	○	4.9	3.2	○
(near bottom)	31-Aug-05	386.2	447.7	7.4	○	5.0	0.1	○
	16-Nov-05	386.0	399.8	1.8	○	4.7	0.3	○
	03-Mar-06	330.6	338.7	1.2	○	4.1	-0.2	○
Ijira River	30-May-05	440.2	430.9	-1.1	○	5.3	3.3	○
(Input)	31-Aug-05	406.2	457.2	5.9	○	5.2	1.0	○
	16-Nov-05	393.5	395.7	0.3	○	4.8	0.7	○
	03-Mar-06	326.7	332.7	0.9	○	4.0	-0.5	○
Kodo River	30-May-05	419.9	415.2	-0.6	○	5.0	2.6	○
(Input)	31-Aug-05	339.3	387.7	6.6	○	4.4	0.5	○
	16-Nov-05	-	-	-	-	-	-	-
	03-Mar-06	292.5	299.0	1.1	○	3.6	-1.0	○
Ijira River	30-May-05	-	-	-	-	-	-	-
(Output)	31-Aug-05	388.9	449.7	7.2	○	4.9	0.0	○
	16-Nov-05	-	-	-	-	-	-	
	03-Mar-06	-	-	-	-	-	-	-
Discharge	30-May-05	388.2	381.4	-0.9	○	4.6	1.8	○
	31-Aug-05	414.6	437.4	2.7	○	5.1	1.5	○
	16-Nov-05	386.5	394.9	1.1	○	4.6	0.0	○
	03-Mar-06	329.7	337.6	1.2	○	4.0	-0.4	○

Table 6.4(4) Result of Inland Aquatic Environment Monitoring

Duration: 2005.5.-2006.1
Country: Japan
Lake Name: Banryu Lake

		Mandatory Parameters : 4 times/year											
Site	Sampling Date	Temp. (^{o}C)	pH	EC (mS/m)	Alkalinity (meq/L)	SO_4^{2-} (mg/L)	NO_3^{-} (mg/L)	Cl^{-} (mg/L)	NH_4^{+} (mg/L)	Na^{+} (mg/L)	K^{+} (mg/L)	Ca^{2+} (mg/L)	Mg^{2+} (mg/L)
NO.2 (center) surface	16-May-05	20.6	7.10	11.0	0.140	4.88	0.014	24.3	0.03	14.7	1.89	1.36	1.73
	12-Jul-05	26.3	7.07	10.0	0.128	4.49	0.020	21.5	<0.02*1	12.9	1.79	1.29	1.58
	19-Oct-05	21.2	7.16	10.5	0.182	3.59	<0.005*1	22.6	<0.02*1	13.7	1.91	1.54	1.94
	17-Jan-06	5.7	7.04	11.3	0.175	4.27	0.386	23.8	0.05	15.5	2.05	1.72	2.03
	mean	18.5	7.09	10.7	0.156	4.31	0.105	23.1	0.02	14.2	1.91	1.47	1.82
NO.2 (center) near bottom	16-May-05	9.5	6.85	11.6	0.202	4.86	0.463	23.8	0.14	14.6	1.91	1.81	2.07
	12-Jul-05	11.7	6.85	12.2	0.332	3.76	0.013	23.6	0.08	14.4	1.97	2.23	2.49
	19-Oct-05	14.6	6.88	15.0	0.796	0.59	0.018	23.3	<0.02*1	14.8	3.25	4.98	4.00
	17-Jan-06	5.0	7.10	11.2	0.178	4.28	0.382	23.9	0.04	15.8	2.09	1.79	2.11
	mean	10.2	6.91	12.5	0.377	3.37	0.219	23.7	0.07	14.9	2.30	2.70	2.66
NO.3 surface	16-May-05	20.9	7.20	11.4	0.144	4.82	0.007	24.1	<0.02*1	14.6	1.90	1.39	1.72
	12-Jul-05	26.2	7.13	9.4	0.146	4.62	0.027	20.6	<0.02*1	12.5	1.75	1.59	1.56
	19-Oct-05	21.5	7.20	10.3	0.200	3.51	0.166	21.7	<0.02*1	13.6	1.88	1.80	1.94
	17-Jan-06	5.8	7.07	11.4	0.192	4.45	0.425	23.4	0.05	15.7	2.07	1.97	2.11
	mean	18.6	7.15	10.6	0.171	4.35	0.156	22.5	<0.02*1	14.1	1.90	1.69	1.83

note
- : Items were not analyzed
*1 : less than determination limits
pick up 2 samples on site, only center surface and measure three times/sample.
Mean of pH takes an average of hydrogen ion.
When the value is under detection limits, it considers "0". When it is over detection limits and under determination limits, it considers half determination limits. And using it, it was calucrated the average and R1R2".
Annual precipitation is 1132mm/year in 2005 (Lake Banryu national acid rain monitering station)
Precipitation in June is not included in this result because it was not measured by accident.

		Mandatory Parameters : Once/year								Optianal Parameters				
Site	Sampling Date	PO_4^{3-} (mg/L)	NO_2^- (mg/L)	DOC (mg/L)	Transparency (m)	Water color	Al^{3+} (mg/L)	COD (mg/L)	Chl-a (μg/L)	Fe^{3+} (mg/L)	Mn^{2+} (mg/L)	TOC (mg/L)	TN (mg/L)	TP (mg/L)
NO.2 (center) surface	16-May-05	<0.003*1	<0.003*1	2.3	1.9	green	0.01	5.0	2.5	0.03	<0.005*1	3.2	0.26	0.013
	12-Jul-05	0.0	<0.003*1	2.9	2.1	green	0.04	5.5	7.0	0.05	0.007	3.4	0.27	0.014
	19-Oct-05	0.0	<0.003*1	2.8	2.2	green	0.01	5.5	26.9	0.07	0.040	3.7	0.35	0.014
	17-Jan-06	0.0	0.006	2.4	2.5	green	0.01	4.3	7.4	0.04	<0.005*1	2.6	0.33	0.013
	mean	<0.003*1	<0.003*1	2.6	2.2		0.02	5.0	10.9	0.05	0.012	3.2	0.30	0.013
NO.2 (center) near bottom	16-May-05	<0.003*1	0.011	2.2	-	-	0.010	5.3	13.2	0.08	0.188	3.6	0.51	0.020
	12-Jul-05	<0.003*1	0.005	2.5	-	-	0.020	7.1	18.7	1.00	0.621	5.3	0.71	0.035
	19-Oct-05	0.012	0.012	4.0	-	-	0.020	11.5	48.6	5.42	1.635	10.9	0.54	0.035
	17-Jan-06	<0.003*1	0.007	2.5	-	-	0.010	4.2	7.4	0.04	<0.005*1	2.8	0.34	0.012
	mean	0.003	0.009	2.8			0.015	7.0	21.9	1.63	0.815	5.6	0.52	0.025
NO.3 surface	16-May-05	<0.003*1	<0.003*1	2.4	2.1	green	0.020	4.9	3.7	0.03	0.006	3.4	0.28	0.013
	12-Jul-05	0.004	<0.003*1	2.6	1.8	green	0.048	5.1	7.2	0.05	0.007	3.3	0.20	0.015
	19-Oct-05	<0.003*1	<0.003*1	2.4	2.3	green	0.007	5.1	9.2	0.09	0.037	2.9	0.27	0.015
	17-Jan-06	<0.003*1	0.006	2.4	2.3	green	0.020	4.2	4.8	0.06	0.003	2.5	0.33	0.009
	mean	<0.003*1	<0.003*1	2.5	2.1		0.024	4.8	6.2	0.06	0.013	3.0	0.27	0.013

		Anion	Cation	R1	Judge		Acalc	R2	Judge
(center) surface	16-May-05	926.8	896.6	-1.7	O		11.4	1.7	O
	12-Jul-05	827.7	800.5	-1.7	O		10.2	0.8	O
	19-Oct-05	894.3	880.8	-0.8	O		10.9	2.2	O
	17-Jan-06	941.5	979.6	2.0	O		11.8	2.5	O
NO.2 (center) near bottom	16-May-05	981.9	951.9	-1.5	O		11.9	1.6	O
	12-Jul-05	1075.7	994.4	-3.9	O		12.5	1.1	O
	19-Oct-05	1465.8	1301.9	-5.9	O		15.7	2.5	O
	17-Jan-06	947.5	1005.4	3.0	O		12.0	3.5	O
NO.3 surface	16-May-05	924.3	894.5	-1.6	O		11.3	-0.3	O
	12-Jul-05	823.7	796.2	-1.7	O		10.1	3.4	O
	19-Oct-05	887.9	889.1	0.1	O		10.9	2.7	O
	17-Jan-06	951.6	1010.5	3.0	O		12.0	2.7	O
note									

Table 6.4(5) Result of Inland Aquatic Environment Monitoring

Duration: 2005.4-2005.10
Country: Mongolia
Lake Name: Terelj river

		Mandatory Parameters : 4 times/year												Mandatory Parameters : Once/year	
Site	Sampling Date	Temp. (degreeC)	pH	EC (mS/m)	Alkalinity (meq/L)	SO42- (mg/L)	NO3- (mg/L)	Cl- (mg/L)	NH_4^+ (mg/L)	Na^+ (mg/L)	K^+ (mg/L)	Ca^{2+} (mg/L)	Mg^{2+} (mg/L)	P (mg/L)	NO_2^- (mg/L)
Surface	20-Apr-05	3.5	7.14	6.2	0.36	3.96	0.52	0.80	0.04	1.94	1.44	9.46	1.23	0.015	0.008
	27-May-05	10.0	6.98	4.1	0.35	2.48	0.65	0.60	0.07	1.52	0.70	5.67	0.64	0.006	0.006
	29-Jun-05	13.5	6.54	4.3	0.36	2.94	0.59	0.14	0.04	1.69	0.46	6.61	1.05	0.015	0.001
	27-Jul-05	15.1	6.93	4.6	0.36	2.41	0.69	0.80	<0.01*2	1.86	0.52	6.99	0.88	0.007	0.001
	31-Aug-05	11.1	6.95	4.9	0.41	3.21	0.77	0.35	<0.01*2	2.21	0.64	13.59	1.32	0.013	0.001
	28-Sep-05	9.4	6.90	4.6	0.35	3.39	1.13	0.78	<0.01*2	2.21	0.62	13.13	1.23	0.003	0.002
	26-Oct-05	6.8	7.17	5.2	0.40	3.86	1.38	0.42	<0.01*2	2.24	0.39	6.85	0.95	0.004	0.002
	mean*1	10.6	6.86	4.8	0.36	3.00	0.64	0.54	0.02	1.84	0.75	8.46	1.02	0.011	0.003

note
*1 : Mean of pH takes an average of hydrogen ion.
*2：less than determination limits

		Anion	Cation	R1	Judge*3		Λcalc	R2	Judge*3
Surface	20-Apr-05	473.4	696.7	19.1	X		6.6	2.6	O
	27-May-05	424.0	423.6	-0.1	O		4.6	6.1	O
	29-Jun-05	429.7	504.0	7.96	O		5.1	8.3	O
	27-Jul-05	438.9	515.5	8.03	X		5.2	6.7	O
	31-Aug-05	494.1	899.3	29.1	X		7.7	22.9	X
	28-Sep-05	457.8	868.5	31.0	X		7.5	23.9	X
	26-Oct-05	516.5	527.4	1.0	O		5.7	4.3	O

note
*3:Concerning "X" judging, it was not able to specify the main reasons

Table 6.4(6) Result of Inland Aquatic Environment Monitoring

Duration: 2005.3-2005.12
Country: Philippines
Lake Name: Pandin Lake & Ambulalakao Lake

Site	Sampling Date	Temp. (^oC)	pH	EC (mS/m)	Alkalinity (meq/L)	SO_4^{2-} (mg/L)	NO_3^- (mg/L)	Cl^- (mg/L)	NH_4^+ (mg/L)	Na^+ (mg/L)	K^+ (mg/L)	Ca^{2+} (mg/L)	Mg^{2+} (mg/L)	PO_4^{3-} (mg/L)	NO_2^- (mg/L)
Pandin Lake (Surface)	03-Mar-05	28.1	8.85	18.2	1.75	0.41	*2	3.93	0.34	7.92	4.41	12.3	7.60	*2	0.111
	31-May-05	28.0	8.26	18.0	1.71	0.48	*2	3.81	0.01	8.52	5.20	14.6	8.15	*2	1.070
	07-Sep-05	28.0	7.55	17.8	1.69	0.58	0.11	3.66	1.74	8.20	5.01	14.2	7.76	0.010	*2
	30-Nov-05	28.9	8.04	18.6	1.74	2.99	1.05	3.66	*2	8.06	4.95	16.2	7.84	0.010	*2
	mean[*1]	28.2	8.05	18.1	1.72	1.11	0.58	3.76	0.69	8.18	4.89	14.3	7.84	0.005	0.295
Ambulalakao Lake (Surface)	20-Jan-05	-	5.82	0.442	0.02	0.148	0.112	0.062	*2	0.219	0.152	0.154	0.043	*2	0.1
	mean[*3]														

- : Items were not analyzed
*1： Mean of pH takes an average of hydrogen ion
*2： Item were not detected.
*3： We didn't calculate the mean value because the sampling was done only one time.

		Anion	Cation	R1	Judge	Λcalc	R3	Judge
Pandin Lake (Surface)	03-Mar-05	1869.3	1714.7	-4.3	O	18.4	0.5	O
	31-May-05	1827.4	1902.8	2.0	O	19.3	3.4	O
	07-Sep-05	1807.1	1928.0	3.2	O	19.5	4.7	O
	30-Nov-05	1922.4	1930.3	0.2	O	20.1	3.9	O
Ambulalakao Lake (Surface)	20-Jan-05	26.6	26.1	-0.9	O	0.3	-13.9	O

Table 6.4(7) Result of Inland Aquatic Environment Monitoring

Duration: 2005.3.-2005.12
Country: Russian Federation
Lake Name: See below

Site	Sampling Date	Temp. (^oC)	pH	EC (mS/m)	Alkalinity (meq/L)	SO_4^{2-} (mg/L)	NO_3^- (mg/L)	Cl^- (mg/L)	NH_4^+ (mg/L)	Na^+ (mg/L)	K^+ (mg/L)	Ca^{2+} (mg/L)	Mg^{2+} (mg/L)	PO_4^{3-} (mg/L)	NO_2^- (mg/L)	COD (mg/L)	TOC (mg/L)	Transparency (m)	O_2 (mg/L)	Si (mg/L)	TP (mg/L)
Pereemnaya River (surface)	12-Mar-05	0.2	6.68	4.50	0.15	9.19	0.85	0.27	0.028	1.37	0.85	3.67	0.97	*2	0.010	0.35	0.78	-	12.6	3.33	0.013
	28-May-05	6.5	6.82	3.33	0.12	5.93	0.85	0.14	0.040	0.75	0.57	2.99	0.72	0.002	0.009	0.87	1.37	-	12.0	1.71	0.012
	24-Jul-05	15.7	6.96	-	0.13	8.42	0.45	0.14	0.050	0.86	0.79	3.15	1.20	0.002	0.001	1.27	1.68	-	9.7	2.33	0.016
	29-Sep-05	9.0	6.79	4.27	0.14	7.83	0.50	0.26	0.020	0.85	0.63	3.37	1.28	0.002	0.001	0.80	0.97	-	10.8	2.74	0.009
	mean*1	7.9	6.80	4.03	0.14	7.84	0.66	0.20	0.035	0.96	0.71	3.29	1.04	0.002	0.005	0.82	1.20	-	11.3	2.52	0.013
Komarovka River (surface)	29-Aug-05	20.0	7.10	8.81	0.47	12.48	0.33	2.80	0.447	3.40	0.60	8.65	2.32	*2	*2	-	-	-	9.2	6.30	-
	30-Sep-05	16.1	7.21	8.70	0.56	8.25	0.41	2.80	0.093	2.63	0.47	9.13	2.53	*2	*2	-	-	-	9.5	7.14	-
	18-Oct-05	12.0	7.51	8.78	0.57	9.87	0.33	3.45	0.082	3.85	0.80	9.58	2.42	*2	*2	-	-	-	10.8	4.52	-
	22-Nov-05	2.3	7.11	8.71	0.45	12.48	0.31	3.18	0.085	3.80	0.62	9.03	1.77	*2	*2	-	-	-	12.9	3.28	-
	08-Dec-05	0.2	7.41	8.73	0.43	12.82	0.27	3.22	0.042	3.02	0.50	8.97	2.22	*2	*2	-	-	-	13.9	3.34	-
	mean*1	10.1	7.24	8.75	0.50	11.18	0.33	3.09	0.150	3.34	0.60	9.07	2.25	*2	*2	-	-	-	11.2	4.91	-

- : Items were not analyzed
*1 : Mean of pH takes an average of hydrogen ion
*2 : Items were not detected.
Annual precipitation amount at River Komarovka: 737mm/year (2005

		Anion	Cation	R1	Judge	Acalc	R2	Judge
Pereemnaya River (surface)	12-Mar-05	362.6	345.7	-2.4	O	4.3	-1.68	O
	28-May-05	261.1	257.3	-0.7	O	3.1	-2.87	O
	24-Jul-05	316.3	315.9	-0.1	O	3.9	*3	*3
	29-Sep-05	318.3	328.0	1.5	O	3.9	-4.15	O
Komarovka River (surface)	29-Aug-05	814.2	810.2	-0.2		9.4	3.48	O
	30-Sep-05	819.0	795.8	-1.4	O	9.1	2.03	O
	18-Oct-05	873.1	869.4	-0.2	O	9.9	5.90	O
	22-Nov-05	806.3	781.9	-1.5	O	9.3	3.09	O
	08-Dec-05	790.3	776.1	-0.9	O	9.2	2.50	O

*3 : There is no R2 value because EC was not analyzed.

Table 6.4(8) Result of Inland Aquatic Environment Monitoring

Duration: 2005.3-2005.12
Country: Thailand
Lake Name: Vachiralongkorn Dam

		Mandatory Parameters : 4 times/year												Mandatory Parameters : Once/year				
Site	Sampling Date	Temp. (^{o}C)	pH	EC (mS/m)	Alkalinity (meq/L)	SO_4^{2-} (mg/L)	NO_3^- (mg/L)	Cl^- (mg/L)	NH_4^+ (mg/L)	Na^+ (mg/L)	K^+ (mg/L)	Ca^{2+} (mg/L)	Mg^{2+} (mg/L)	PO_4^{3-} (mg/L)	NO_2^- (mg/L)	COD (mg/L)	Transparency (m)	Water color
Station1 (Ban Pong Chang)	3 Mar 05	22.0	7.65	10.5	1.51	1.58	0.01	1.39	0.01	1.47	0.93	15.2	3.10	<0.05*2	0.01	-	4.5	-
	9 Jun 05	29.8	6.89	12.2	1.15	1.23	0.01	0.88	0.01	1.19	0.99	17.3	3.31	<0.01*2	<0.01*2	<4*2	1.2	-
	8 Sep 05	29.5	8.00	11.0	1.12	1.56	0.20	0.96	0.01	1.22	1.02	16.1	2.92	<0.01*2	<0.01*2	-	4.5	-
	8 Dec 05	30.5	7.60	11.1	1.33	1.54	0.20	0.98	0.01	1.18	1.14	14.9	3.18	0.01	0.01	-	4.0	-
	mean*1	28.0	7.33	11.2	1.28	1.47	0.11	1.05	0.01	1.26	1.02	15.8	3.12	*2	<0.01*2		4.5	
Station2 (Ban Pang Pueng)	3 Mar 05	21.1	7.15	11.7	0.78	0.34	0.02	1.86	0.06	2.48	1.01	14.9	3.35	0.26	0.01	-	6.0	-
	9 Jun 05	29.3	6.53	12.3	1.08	1.39	0.01	0.84	0.03	1.17	0.95	18.8	3.10	<0.01*2	<0.01*2	<4*2	1.4	-
	8 Sep 05	27.5	7.75	10.1	1.05	1.81	0.20	0.89	0.01	1.26	1.04	16.0	2.68	<0.01*2	<0.01*2	-	5.5	-
	8 Dec 05	29.3	7.45	10.7	1.16	1.62	0.20	1.01	0.01	1.17	1.11	15.0	2.79	0.01	0.01	-	4.6	-
	mean*1	26.8	6.98	11.2	1.02	1.29	0.11	1.15	0.03	1.52	1.02	16.2	2.98	0.07	<0.01*2		4.4	

note
- : Items were not analyzed
*1 : Mean of pH takes an average of hydrogen ion
*2 : Less than determination limits

	Date	Anion	Cation	R1	Judge*3		Λcalc	R2	Judge*3
Station1 (Ban Pong Chang)	3 Mar 05	1582.0	1097.9	-18.1	X		13.65	13.1	X
	9 Jun 05	1200.5	1209.6	0.4	O		12.56	1.6	O
	8 Sep 05	1177.7	1119.4	-2.5	O		11.97	4.2	O
	8 Dec 05	1392.9	1082.4	-12.5	X		12.70	7.0	O
Station2 (Ban Pang Pueng)	3 Mar 05	839.6	1149.7	15.6	X		10.56	-5.1	O
	9 Jun 05	1127.7	1267.8	5.8	O		12.60	1.3	O
	8 Sep 05	1115.9	1100.2	-0.7	O		11.61	6.9	O
	8 Dec 05	1220.3	1056.9	-7.2	O		11.81	4.9	O

note
*3 : Concerning "X" judging, it was not able to specify the main reasons.

Table 6.4(9) Result of Inland Aquatic Environment Monitoring

Duration: 2005. 3.-2005.12.
Country: Viet Nam
Lake Name: Hoa Binh Reservoir

Site	Sampling Date	Temp. (^{o}C)	pH	EC (mS/m)	Alkalinity (meq/L)	SO_4^{2-} (mg/L)	NO_3^{-} (mg/L)	Cl^{-} (mg/L)	NH_4^{+} (mg/L)	Na^{+} (mg/L)	K^{+} (mg/L)	Ca^{2+} (mg/L)	Mg^{2+} (mg/L)
Surface	15-Mar-05	22.5	7.63	19.26	1.58	8.52	1.35	1.89	0.15	3.41	0.89	24.96	5.11
	15-Jun-05	29.0	7.36	21.95	1.84	4.21	0.48	2.02	0.13	5.27	1.28	24.88	6.50
	15-Sep-05	27.0	8.40	16.00	1.40	3.98	0.96	1.04	0.19	3.39	0.84	19.97	3.63
	15-Dec-05	17.0	7.46	18.83	1.60	5.76	1.38	1.52	0.16	5.54	2.23	22.67	3.84
	mean[*1]	23.9	7.58	19.01	1.61	5.62	1.04	1.62	0.16	4.40	1.31	23.12	4.77

*1 : Mean of pH takes an average of hydrogen ion

		Anion	Cation	R1	Judge		Λcalc	R2	Judge
Surface	15-Mar-05	1832.5	1845.2	0.3	O		19.7	1.1	O
	15-Jun-05	1992.4	2045.3	1.3	O		21.1	-2.0	O
	15-Sep-05	1527.7	1474.5	-1.8	O		15.8	-0.8	O
	15-Dec-05	1785.1	1753.9	-0.9	O		18.7	-0.3	O

Table 6.4 (10) Summary of Inland Aquatic Environment Monitoring

			Mandatory Parameters : 4 times/year												Mandatory Parameters : Once/year				
Country	Location	Site	Temp. (degreeC)	pH	EC (mS/m)	Alkalinity (meq/L)	SO_4^{2-} (mg/L)	NO_3^- (mg/L)	Cl^- (mg/L)	NH_4^+ (mg/L)	Na^+ (mg/L)	K^+ (mg/L)	Ca^{2+} (mg/L)	Mg^{2+} (mg/L)	PO_4^{3-} (mg/L)	NO_2^- (mg/L)	DOC (mg/L)	COD (mg/L)	Transparency (m)
China	Chongqing	Jinyunshan Lake	17.8	6.04	10.21	0.073	28.12	8.16	2.63	0.040	2.70	1.82	9.36	3.22	*2	*2		*2	3.7
	Xiamen	Xiaoping Dam	21.5	6.73	4.62	0.232	2.07	2.83	3.94	0.048	4.77	2.37	2.95	0.61	*2	*2		1.3	*2
	Xi'an	Jiwozi River	7.4	6.99	7.99	0.208	15.31	0.81	1.74	0.056	1.77	0.72	7.44	1.35	*2	*2		*2	
	Zhuhai	Zhuxiandong Reservoir	23.0	6.97	9.53	0.133	5.83	1.70	6.73	*1	8.90	1.60	4.63	2.65	*1	*1		0.9	1.3
Indonesia	Bandung	Patenggang Lake (Center, surface)	18.1	7.19	6.71	0.459	8.83	0.23	2.30	0.432	4.04	1.87	5.70	2.70		-	10.9		0.06
Japan	Gifu pref.	Ijira Lake (Center, surface)	17.4	6.94	4.47	0.153	5.73	2.37	2.32	0.076	2.29	0.39	3.27	1.42	<0.03*1	0.07	0.74		3.0
	Shimane pref.	Banryu Lake (Center, surface)	18.5	7.09	10.68	0.156	4.31	0.10	23.05	0.018	14.18	1.91	1.47	1.82	<0.003*1	<0.003*1	2.6	5.0	2.2
Mongolia	Terelj	Terelj river	10.6	6.86	4.81	0.364	3.00	0.64	0.54	0.021	1.84	0.75	8.46	1.02		0.003			
Philippines	San Pablo City,	Pandin Lake (Surface)	28.2	8.05	18.14	1.723	1.11	0.58	3.76	0.694	8.18	4.89	14.33	7.84	0.005	0.295			
		Ambulalakao Lake (Surface)	-	5.82	0.44	0.020	0.15	0.11	0.06	-	0.22	0.15	0.15	0.04	-	0.1			
Russia	Primorskaya	Komarovka River (Surface)	10.1	7.24	8.75	0.495	11.18	0.33	3.09	0.150	3.34	0.60	9.07	2.25	-	-			
	Southern Baikal	Pereemnaya River (Surface)	7.9	6.80	4.03	0.135	7.84	0.66	0.20	0.035	0.96	0.71	3.29	1.04	0.002	0.005		0.82	
Thailand	Kanchanaburi Province	Vachiralongkorn Dam (Ban Pong Chang)	28.0	7.33	11.18	1.276	1.47	0.11	1.05	0.010	1.26	1.02	15.83	3.12	*1	<0.01*1			4.5
		Vachiralongkorn Dam (Ban Pang Pueng)	26.8	6.98	11.20	1.015	1.29	0.11	1.15	0.026	1.52	1.02	16.16	2.98	0.07	<0.01*1			4.4
Viet Nam	Hoa Binh Province	Hoa Binh Reservoir (Surface)	23.9	7.58	19.01	1.605	5.62	1.04	1.62	0.158	4.40	1.31	23.12	4.77					

note
blank : Items are not including to National Monitoring Plan
- : Items were not analyzed or not detected
*1 : Less than determination limits
*2 : once in a year

Appendix

Meteorological Condition of Monitoring Sites

Table Meteorological condition in 2005 (Chongqing)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	7.6	9.4	13.5	20.2	22.9	26.8	29.5	26.1	26.5	18.0	14.6	8.8
ture (ºC)	max.daily mean	10.4	13.0	18.6	27.2	26.7	32.9	34.9	32.7	31.7	27.1	20.4	11.4
	min.daily mean	4.2	5.6	9.0	12.4	18.9	22.3	24.5	19.7	20.2	13.9	9.7	6.6
Humidity	monthly mean	79	74	75	73	81	76	71	79	71	85	85	81
(%)	max.daily mean	94	88	94	92	93	91	87	96	94	95	93	93
	min.daily mean	54	62	50	53	58	60	45	53	51	71	73	61
Mean wind speed (m/s)		1.3	1.4	1.4	1.5	1.4	1.4	1.7	1.4	1.6	1.3	1.1	1.2
Most appearance wind direction (bearings)		NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Precipitation amount (mm/month)		10	29	69	83	184	140	105	229	63	88	33	14
Sunshine duration (hours/month)		12	30	62	125	81	118	179	97	171	18	6	4
Solar radiation (MJ/m^2/month)													

Table Meteorological condition in 2005 (Xi'an)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	0.7	1.8	9.9	18.8	22.1	27.9	27.9	24.3	21.9	13.9	9.7	0.7
ture (ºC)	max.daily mean	3.8	6.2	16.1	25.3	27.4	34.3	32.6	28.6	25.9	18.3	14.4	5.2
	min.daily mean	-2.8	-1.5	5.2	13.1	17.5	22.1	23.7	20.9	18.4	10.8	6.1	-2.5
Humidity	monthly mean	65	65	55	52	61	55	69	79	75	79	71	50
(%)	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	20	17	9	9	17	13	17	36	36	27	22	13
Mean wind speed (m/s)		0.7	1.0	1.0	1.1	1.4	1.2	1.4	1.2	1.1	0.7	0.5	0.7
Most appearance wind direction (bearings)		NE	NE	NE	SW	NE	NE	NE	NE	NE	SW	NE	ENE
Precipitation amount (mm/month)		0	9	6	19	43	67	46	127	104	118	2	0
Sunshine duration (hours/month)		82	77	198	228	208	253	191	143	153	132	129	155
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Xiamen)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	12.3	12.5	13.5	20.3	23.6	26.0	28.3	27.7	27.2	23.6	20.5	13.7
	max.daily mean	17.1	16.5	18.8	25.3	27.6	29.4	32.5	32.1	31.5	27.3	30.8	23.7
	min.daily mean	9.6	10.2	10.3	17.2	21.3	23.8	25.5	25.1	24.3	21.1	13.9	4.8
Humidity (%)	monthly mean	69	86	76	80	87	83	76	79	72	66	68	58
	max.daily mean	100	100	100	99	100	93	87	92	92	87	84	85
	min.daily mean	17	29	16	32	47	27	38	37	41	29	31	13
Mean wind speed (m/s)		2.5	2.5	2.6	2.3	2.4	2.6	2.8	2.6	2.8	3.2	3.0	3.0
Most appearance wind direction (bearings)		E	E	E	ESE	ESE	SSW	SSE	SSE	NE	E	E	NE
Precipitation amount (mm/month)		93	220	66	127	194	17	350	134	209	89	1	14
Sunshine duration (hours/month)		123	44	89	129	93	131	250	164	189	165	141	158
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Zhuhai)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	14.7	15.3	16.8	22.4	27.0	27.4	28.9	28.1	28.1	26.0	22.4	16.2
	max.daily mean	18.0	17.8	19.8	25.3	30.0	30.3	32.3	31.3	31.2	29.0	25.8	19.7
	min.daily mean	12.4	13.4	14.5	20.5	24.9	25.2	26.3	25.8	25.6	23.5	20.0	13.7
Humidity (%)	monthly mean	72	86	80	87	87	89	82	86	80	71	74	57
	max.daily mean	80	92	88	92	92	94	89	92	89	79	81	67
	min.daily mean	59	76	66	72	72	76	66	72	65	55	59	44
Mean wind speed (m/s)		2.2	2.3	2.7	2.3	3.0	2.6	2.8	3.2	3.6	2.9	2.6	2.4
Most appearance wind direction (bearings)		E	E	SE	SE	SE	W	SE	E	E	NE	NE	NE
Precipitation amount (mm/month)		7	31	48	36	181	505	71	236	111	0	120	0
Sunshine duration (hours/month)		105	28	71	75	130	87	226	198	183	220	201	152
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Rishiri)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-5.1	-6.0	-1.6	3.6	7.4	14.5	17.5	20.4	16.8	11.6	4.3	-3.2
ture (ºC)	max.daily mean	-0.7	-0.4	4.5	8.8	14.8	20.2	20.6	23.1	22.6	16.8	13.8	1.1
	min.daily mean	-9.0	-9.4	-7.5	-0.9	2.4	8.8	13.2	17.6	12.5	4.4	-1.3	-7.3
Humidity	monthly mean	75	75	71	80	79	86	82	86	79	71	70	73
(%)	max.daily mean	92	91	89	89	94	97	98	98	92	89	89	84
	min.daily mean	67	64	57	60	54	75	58	65	56	49	56	59
Mean wind speed (m/s)		4.7	5.0	5.2	3.8	3.3	2.1	2.5	2.2	3.3	4.3	4.5	4.6
Most appearance wind direction (bearings)		E	NW	NW	E	ENE	W	ENE	SW	NE	WSW	WN	NNW
Precipitation amount (mm/month)		62	54	37	54	117	25	42	105	159	77	94	121
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		113	187	331	390	568	473	523	392	391	157	135	95

Table Meteorological condition in 2005 (Tappi)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-0.3	-1.8	1.7	7.6	9.8	15.9	18.7	23.4	19.6	14.8	7.8	0.1
ture (ºC)	max.daily mean	6.6	1.8	7.5	14.3	15.1	20.8	23.1	25.5	24.2	18.8	15.1	5.3
	min.daily mean	-4.9	-5.7	-4.4	3.0	6.5	11.2	13.4	21.0	16.7	9.4	1.9	-4.9
Humidity	monthly mean	74	72	68	68	79	88	86	84	73	67	65	68
(%)	max.daily mean	85	84	94	86	95	94	93	94	90	83	76	82
	min.daily mean	62	56	47	42	58	78	76	70	58	53	51	53
Mean wind speed (m/s)		9.0	9.6	9.9	6.5	5.8	4.0	4.7	3.9	4.6	5.4	8.8	9.3
Most appearance wind direction (bearings)		WSW	WSW	WSW	WSW	NE	ENE	NE	ENE	WSW	WSW	WSW	WSW
Precipitation amount (mm/month)		82	37	69	73	88	43	227	168	155	123	85	41
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		102	145	300	447	501	455	489	479	386	299	135	98

Table Meteorological condition in 2005 (Sado-seki)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	2.7	0.9	4.4	11.1	14.0	20.6	22.5	25.9	22.2	16.9	11.5	0.7
	max.daily mean	9.1	5.7	10.3	19.3	20.3	25.1	27.3	29.3	26.8	21.1	16.3	3.3
	min.daily mean	-1.4	-2.3	-1.3	5.7	8.8	16.1	19.4	22.5	18.7	11.5	5.5	-2.5
Humidity (%)	monthly mean	70	74	66	58	67	74	81	74	71	66	63	75
	max.daily mean	84	89	90	79	88	95	94	90	86	89	79	87
	min.daily mean	52	56	41	27	37	45	65	57	52	49	51	59
Mean wind speed (m/s)		8.7	7.8	7.9	6.4	4.3	3.3	3.9	3.6	4.6	4.5	6.8	11.0
Most appearance wind direction (bearings)		W	W	W	SW	WSW	SW	SW	WSW	ENE	ENE	W	W
Precipitation amount (mm/month)		41	11	67	68	32	85	82	183	130	145	63	54
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		109	124	301	526	595	553	481	568	381	294	112	47

Table Meteorological condition in 2005 (Happo)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	-8.6	-9.0	-6.1	2.7	6.0	12.8	15.0	15.8	13.0	6.9	-0.8	-10.4
	max.daily mean	-0.8	-1.5	1.9	10.9	10.8	17.1	17.2	19.4	17.0	13.0	4.9	-4.8
	min.daily mean	-13.2	-13.8	-14.2	-6.5	-0.3	8.2	12.2	12.5	7.2	-0.8	-6.5	-14.9
Humidity (%)	monthly mean	77	80	72	59	65	81	86	91	91	87	73	89
	max.daily mean	96	97	95	92	94	96	96	98	98	98	96	94
	min.daily mean	34	45	33	20	25	56	66	75	79	41	43	70
Mean wind speed (m/s)		5.7	5.4	6.1	4.7	2.9	2.0	2.3	2.1	2.3	2.0	3.7	6.1
Most appearance wind direction (bearings)		NW	NW	NW	S	S	SSE	SSE	SSE	SSE	SSE	NW	SSE
Precipitation amount (mm/month)		233	137	155	85	246	520	503	338	112	208	138	272
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		267	345	477	677	645	481	416	308	290	266	254	172

Table Meteorological condition in 2005 (Ijira)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	1.5	2.0	4.8	12.3	15.6	21.2	23.5	24.6	22.4	16.3	8.5	0.4
ture (ºC)	max.daily mean	3.8	6.0	9.7	20.0	19.4	25.0	26.6	27.1	26.0	20.1	13.0	6.0
	min.daily mean	-1.1	-2.5	-0.3	6.2	12.1	16.5	21.3	20.6	18.1	10.2	4.3	-2.3
Humidity	monthly mean	90	84	83	71	76	86	91	89	88	88	88	96
(%)	max.daily mean	99	100	100	96	98	99	99	99	99	100	99	100
	min.daily mean	68	64	62	46	53	66	67	75	67	65	71	79
Mean wind speed (m/s)		0.5	0.6	0.7	0.8	0.8	0.6	0.6	0.6	0.6	0.5	0.6	0.4
Most appearance wind direction (bearings)		Calm	Calm	Calm	W	W	W	W	W	W	W	W	Calm
Precipitation amount (mm/month)		117	139	243	80	206	134	353	224	132	135	118	409
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		215	245	357	493	535	456	382	419	352	277	235	152

Table Meteorological condition in 2005 (Oki)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	4.8	3.8	7.1	13.3	15.5	21.3	23.6	26.4	22.6	17.1	13.2	4.0
ture (ºC)	max.daily mean	10.3	8.0	13.7	19.8	19.0	26.0	26.6	28.7	28.1	23.8	17.9	10.4
	min.daily mean	1.1	-1.5	0.2	7.8	10.6	16.0	20.1	23.5	19.1	11.9	7.9	0.7
Humidity	monthly mean	70	72	69	65	70	75	84	76	78	69	62	71
(%)	max.daily mean	87	91	88	90	84	93	94	88	91	88	80	86
	min.daily mean	58	54	45	39	43	57	75	66	62	59	48	55
Mean wind speed (m/s)		4.7	3.6	4.2	3.9	2.6	2.6	2.8	2.6	3.5	3.1	3.8	4.9
Most appearance wind direction (bearings)		N	N	N	S	S	S	S	S	NNE	NNE	SW	N
Precipitation amount (mm/month)		84	88	87	20	56	84	199	44	302	77	70	199
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		149	193	359	551	620	543	468	581	357	355	226	125

Table Meteorological condition in 2005 (Banryu)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	4.6	4.4	7.4	14.3	16.6	22.2	24.8	26.1	23.1	17.2	11.9	4.3
ture (ºC)	max.daily mean	7.9	10.3	13.6	23.6	19.9	29.3	26.8	29.4	27.9	26.4	19.0	10.3
	min.daily mean	0.4	-1.5	1.0	8.3	13.2	17.5	21.6	23.2	18.6	11.6	8.3	1.1
Humidity	monthly mean	70	70	72	62	73	75	83	77	81	78	72	65
(%)	max.daily mean	96	94	91	88	85	92	92	89	90	92	88	90
	min.daily mean	51	51	54	33	59	60	76	64	63	60	50	48
Mean wind speed (m/s)		3.7	3.4	3.3	3.4	3.0	2.5	2.3	2.3	2.8	3.0	3.1	4.3
Most appearance wind direction (bearings)		S	S	S	S	S	S	S	S	S	S	S	S
Precipitation amount (mm/month)		83	61	94	36	79	0	282	38	42	58	74	105
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		191	192	355	547	677	563	487	572	431	334	270	141

Table Meteorological condition in 2005 (Yusuhara)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	0.1	1.0	3.7	12.1	14.9	19.1	22.5	22.5	20.6	14.9	9.0	-0.8
ture (ºC)	max.daily mean	5.5	10.8	9.6	19.6	18.4	22.9	25.5	25.0	23.1	20.9	14.6	5.9
	min.daily mean	-3.8	-7.0	-5.0	3.6	11.9	13.8	19.7	20.1	16.5	8.3	3.8	-6.4
Humidity	monthly mean	77	75	68	57	69	77	76	76	80	78	67	76
(%)	max.daily mean	91	94	91	92	93	92	92	92	93	94	93	91
	min.daily mean	58	51	42	19	35	56	57	61	61	55	50	52
Mean wind speed (m/s)		3.1	2.8	3.1	2.2	1.9	1.5	1.6	1.6	1.7	1.9	2.5	3.4
Most appearance wind direction (bearings)		NNW	NNW	N	N	NNW	SSE	NNW	NNW	SSE	NNW	N	NNW
Precipitation amount (mm/month)		78	301	194	78	164	88	338	94	684	153	133	570
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		268	296	448	612	632	547	497	563	439	361	324	258

Table Meteorological condition in 2005 (Hedo)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	15.8	16.7	16.0	20.1	22.7	25.5	28.6	28.1	27.6	25.4	21.7	16.2
	max.daily mean	18.9	22.8	21.8	25.1	25.9	28.4	30.1	29.7	28.9	28.1	25.1	21.1
	min.daily mean	12.0	12.2	9.6	16.3	19.4	23.2	27.5	26.5	26.7	20.2	18.2	10.9
Humidity (%)	monthly mean	68	79	70	77	82	85	79	80	76	73	70	64
	max.daily mean	88	93	90	92	93	94	88	89	86	87	89	92
	min.daily mean	55	60	56	55	71	74	72	73	65	54	52	53
Mean wind speed (m/s)		5.5	5.7	5.5	4.4	4.7	4.6	4.0	3.6	5.0	5.2	5.4	6.2
Most appearance wind direction (bearings)		N	N	N	ESE	E	SSW	SW	ESE	E	N	NNE	NNW
Precipitation amount (mm/month)		88	142	169	98	221	551	22	83	48	101	158	98
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		228	197	386	475	502	460	746	611	582	453	299	214

Table Meteorological condition in 2005 (Ogasawara)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	16.1	16.4	16.7	18.8	21.3	24.9	25.8	26.3	26.2	24.7	20.9	15.9
	max.daily mean	19.0	20.2	20.2	21.4	23.8	26.7	26.7	27.1	27.1	26.4	24.0	18.9
	min.daily mean	13.1	13.8	14.1	15.5	17.7	20.0	24.5	24.5	24.0	21.8	17.0	12.9
Humidity (%)	monthly mean	75	78	77	83	90	88	87	86	86	85	79	70
	max.daily mean	95	94	94	97	97	97	92	92	95	94	92	86
	min.daily mean	60	60	62	65	67	79	82	83	80	74	63	58
Mean wind speed (m/s)		1.8	1.8	1.8	1.7	1.9	2.2	1.8	1.3	1.7	1.3	1.5	1.6
Most appearance wind direction (bearings)		SW	SW	SSW	SSW	SSW	SSW	SW	SSW	NE	NE	SSW	SW
Precipitation amount (mm/month)		148	70	164	206	434	304	80	29	305	91	201	36
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		310	321	440	465	380	552	585	630	515	506	342	331

Table Meteorological condition in 2005 (Ulaanbaatar)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-22.0	-24.4	-8.2	1.9	9.0	16.1	20.5	18.3	10.0	2.6	-8.5	-19.4
ture (ºC)	max.daily mean	-13.6	-17.0	4.0	10.5	20.2	25.7	26.5	25.3	18.6	9.4	1.3	-9.4
	min.daily mean	-28.5	-30.0	-21.8	-6.4	-1.8	7.2	15.9	10.1	0.8	-2.9	-11.9	-25.5
Humidity	monthly mean	82	81	67	50	44	54	51	57	55	50	64	77
(%)	max.daily mean	92	87	87	80	72	81	83	85	88	68	80	83
	min.daily mean	73	75	42	35	25	22	28	26	27	31	41	67
Mean wind speed (m/s)		1.1	1.0	1.9	3.3	3.4	2.9	2.9	2.7	2.9	2.4	1.8	1.6
Most appearance wind direction (bearings)		E	W	NW	NW	NW	NW	E	E	E	N	NW	NW
Precipitation amount (mm/month)		4	5	5	11	14	24	60	42	24	2	2	2
Sunshine duration (hours/month)		157	193	309	274	309	268	323	291	303	249	205	149
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Terelj)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-25.0	-27.3	-11.5	-0.4	5.8	12.2	16.4	13.6	5.7	-0.7	-11.7	-21.1
ture (ºC)	max.daily mean	-18.3	-17.3	1.1	9.3	15.1	18.4	22.2	19.0	13.9	6.8	-2.2	-6.1
	min.daily mean	-31.3	-33.4	-26.9	-6.9	-3.2	4.1	13.7	6.4	-0.8	-6.8	-16.9	-28.2
Humidity	monthly mean	80	77	65	52	50	60	57	65	63	60	69	72
(%)	max.daily mean	85	83	82	72	75	76	84	83	83	78	79	78
	min.daily mean	72	69	44	34	33	30	38	49	50	46	55	62
Mean wind speed (m/s)		0.5	0.3	1.6	2.7	1.6	0.9	1.1	0.7	1.2	1.4	0.8	0.6
Most appearance wind direction (bearings)		W	W	W	N	N	N	N	N	N	W	W	W
Precipitation amount (mm/month)		5	3	4	14	31	32	79	142	39	2	1	2
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Kanghwa)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	-3.9	-3.1	2.9	11.4	15.8	20.8	24.0	24.1	20.7	13.4	7.4	-4.7
	max.daily mean	1.8	2.0	8.0	16.8	21.4	25.4	27.9	28.1	26.1	19.7	12.6	0.2
	min.daily mean	-8.9	-7.9	-2.0	6.1	10.5	17.2	21.2	21.0	16.7	7.9	1.9	-9.5
Humidity (%)	monthly mean	58	54	62	63	65	81	84	82	79	70	63	57
	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
Mean wind speed (m/s)		1.7	2.1	2.4	2.6	2.2	1.9	1.6	2.1	1.8	1.2	1.6	1.5
Most appearance wind direction (bearings)		NE	SW	WSW	WSW	SW	SW	N	NNE	NE	NNE	SW	WSW
Precipitation amount (mm/month)		2	29	8	83	111	104	196	292	283	19	41	10
Sunshine duration (hours/month)		229	213	274	259	289	213	167	154	168	226	190	212
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Cheju)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	5.4	5.4	8.4	15.4	18.0	23.2	26.9	27.4	25.1	19.1	14.2	6.0
	max.daily mean	7.5	8.0	12.2	19.7	22.1	26.6	29.7	30.3	27.9	22.1	17.3	8.6
	min.daily mean	3.4	3.0	5.1	11.6	14.7	20.4	24.7	24.9	22.8	16.7	11.1	3.5
Humidity (%)	monthly mean	61	65	59	58	63	70	73	69	69	61	55	60
	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
Mean wind speed (m/s)		4.3	4.0	4.1	3.2	2.8	3.1	3.0	2.9	3.1	3.1	3.3	5.2
Most appearance wind direction (bearings)		N	N	NNW	NNW	SE	S	SW	ENE	N	NNW	N	N
Precipitation amount (mm/month)		33	53	97	54	82	36	165	130	11	45	93	31
Sunshine duration (hours/month)		32	63	164	237	233	206	140	192	154	144	148	58
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Imsil)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	-2.7	-1.8	2.7	11.8	16.0	21.6	24.8	23.7	21.1	12.2	5.8	-4.6
	max.daily mean	2.7	3.7	9.9	20.2	24.0	27.9	30.0	29.0	26.8	20.4	14.1	1.7
	min.daily mean	-8.1	-6.6	-3.7	4.0	8.3	16.6	21.1	20.0	16.9	6.2	-0.9	-11.0
Humidity (%)	monthly mean	71	69	66	59	67	77	81	83	79	77	72	75
	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
Mean wind speed (m/s)		0.5	1.2	1.9	1.9	1.4	1.2	0.9	1.1	1.2	0.9	1.1	1.2
Most appearance wind direction (bearings)		SE	N	WSW	SW	SW	WSW	ESE	NE	N	WSW	N	NNW
Precipitation amount (mm/month)		16	29	62	52	61	173	453	416	63	19	35	42
Sunshine duration (hours/month)		184	182	246	267	282	233	195	192	182	198	199	163
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Mondy)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-20.5	-23.4	-6.8	0.9	6.1	13.1	16.5	13.7	6.6	1.5	-8.0	-18.1
ture (ºC)	max.daily mean	-11.0	-12.5	1.9	7.7	13.8	20.9	24.5	20.5	15.0	9.0	-0.7	-10.2
	min.daily mean	-27.0	-31.6	-15.4	-5.7	-2.0	6.0	9.8	8.4	-0.3	-5.0	-14.1	-24.0
Humidity	monthly mean	73	68	58	53	62	65	73	80	75	-	-	-
(%)	max.daily mean	86	80	81	76	91	89	93	95	96	-	-	-
	min.daily mean	48	49	37	35	40	43	48	58	48	-	-	-
Mean wind speed (m/s)		1.0	1.0	2.4	3.1	2.1	2.0	1.1	1.5	1.5	1.9	1.7	1.3
Most appearance wind direction (bearings)		W	W	W	W	W	WSW	E	E	W	W	W	W
Precipitation amount (mm/month)		4	3	2	10	33	47	105	111	21	25	2	1
Sunshine duration (hours/month)		168	212	270	243	296	265	276	199	214	181	143	150
Solar radiation (MJ/m^2/month)		129	211	366	463	505	451	543	384	307	238	122	100

Table Meteorological condition in 2005 (Listvyanka)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-15.5	-20.1	-7.1	-0.3	5.3	11.2	15.9	14.9	9.3	4.3	-4.6	-15.1
ture (ºC)	max.daily mean	-12.0	-16.1	-1.2	4.1	11.2	16.9	21.5	19.5	14.5	9.2	-0.7	-11.7
	min.daily mean	-18.3	-23.7	-11.5	-4.0	1.1	6.8	11.3	11.2	5.0	0.8	-7.8	-18.0
Humidity	monthly mean	86	85	71	68	67	81	82	83	78	78	81	86
(%)	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	79	79	51	50	47	66	63	66	59	60	64	80
Mean wind speed (m/s)		3.7	3.6	3.6	3.9	3.1	2.9	2.2	2.7	3.6	3.5	4.3	5.9
Most appearance wind direction (bearings)		NNE	NNE	NNE	N	N	N	N	N	N	N	N	N
Precipitation amount (mm/month)		11	5	5	73	29	72	88	89	24	25	8	31
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Irkutsk)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	-17.7	-20.7	-5.5	2.5	9.9	16.1	20.2	16.9	9.9	4.8	-5.8	-18.2
	max.daily mean	-13.7	-14.2	1.4	8.8	17.2	22.6	27.2	22.9	16.6	10.2	-1.4	-14.0
	min.daily mean	-20.8	-25.6	-11.0	-2.2	3.4	10.9	14.3	12.1	4.4	0.9	-9.2	-21.8
Humidity (%)	monthly mean	86	77	62	56	54	69	70	77	72	70	79	83
	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	80	65	42	36	31	47	47	55	47	48	64	76
Mean wind speed (m/s)		1.5	1.7	2.3	2.8	2.1	1.9	1.7	1.8	1.9	2.1	1.7	1.5
Most appearance wind direction (bearings)		WNW	SE	WN	WN	WN	WSW	SE	W	W	WN	WN	WN
Precipitation amount (mm/month)		13	5	4	57	36	114	97	82	32	26	15	33
Sunshine duration (hours/month)		108	177	238	221	280	246	318	250	202	144	76	75
Solar radiation (MJ/m^2/month)													

Table Meteorological condition in 2005 (Primorskaya)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	-16.2	-16.5	-5.0	6.3	9.9	17.9	19.7	20.9	15.5	7.3	-1.8	-16.3
	max.daily mean	2.4	-1.9	10.3	22.3	27.4	32.5	33.4	34.3	26.6	22.2	17.9	-2.1
	min.daily mean	-31.2	-30.5	-27.1	-6.3	-0.5	9.8	12.5	10.2	2.7	-9.3	-23.4	-29.5
Humidity (%)	monthly mean	74	68	64	65	75	81	88	86	80	71	70	72
	max.daily mean	91	83	82	83	95	95	97	96	90	96	92	84
	min.daily mean	29	31	24	16	19	27	39	37	28	18	24	33
Mean wind speed (m/s)		1.6	1.9	2.2	2.2	1.7	1.3	1.1	1.1	1.4	2.0	1.8	1.7
Most appearance wind direction (bearings)		E	ENE	E	ENE	E	ES	Calm	Calm	E	E	E	E
Precipitation amount (mm/month)		11	18	24	59	129	30	174	156	8	78	43	6
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Bangkok)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	26.6	28.9	29.0	30.3	30.1	29.2	28.6	28.4	27.7	27.5	26.7	26.3
ture (ºC)	max.daily mean	28.8	29.7	30.9	31.6	32.1	30.7	31.0	31.4	29.1	29.5	29.1	28.8
	min.daily mean	21.6	28.3	24.2	25.1	26.5	27.1	25.8	25.1	24.1	25.2	23.4	21.4
Humidity	monthly mean	85	92	65	68	68	68	68	68	71	71	70	65
(%)	max.daily mean	96	95	79	75	77	73	79	74	78	76	77	75
	min.daily mean	67	86	41	65	64	65	63	63	66	64	64	59
Mean wind speed (m/s)		0.6	1.1	0.9	1.3	1.5	1.9	1.5	1.5	1.0	0.4	0.6	0.6
Most appearance wind direction (bearings)		S	S	S	S	S	S	SW	SW	SW	NE	N	N
Precipitation amount *		16	1	98	224	242	155	238	105	366	403	219	111
(mm/month) **		14	0	68	132	216	181	317	131	353	313	168	113
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at PRD

** Precipitation amount data from PRD*

*** Precipitation amount data from Pollution Control Department station (20th floor)*

Table Meteorological condition in 2005 (Bangkok)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	26.3	29.2	29.1	30.5	30.1	29.8	28.8	29.8	28.5	28.8	27.5	26.0
ture (ºC)	max.daily mean	28.7	30.2	31.5	32.1	32.4	31.0	31.0	32.6	30.8	31.1	29.3	29.1
	min.daily mean	21.3	28.7	23.8	25.2	26.8	28.4	26.7	27.0	25.0	25.8	23.6	21.3
Humidity	monthly mean	73	73	68	68	70	69	73	68	74	71	70	58
(%)	max.daily mean	89	80	87	88	94	79	95	87	93	86	88	79
	min.daily mean	50	68	43	61	59	59	57	54	59	57	57	48
Mean wind speed (m/s)		2.3	3.7	3.0	3.4	3.1	4.5	3.4	3.5	2.3	0.8	5.1	1.1
Most appearance wind direction (bearings)													
Precipitation amount (mm/month)		29	1	65	169	325	169	308	201	272	59	14	42
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)													

Measured at Chatuchak

Table Meteorological condition in 2005 (Samutprakarn)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean												
ture (ºC)	max.daily mean												
	min.daily mean												
Humidity	monthly mean												
(%)	max.daily mean												
	min.daily mean												
Mean wind speed (m/s)		1.1	2.2	0.6	0.0	1.2	2.2	1.3	1.4	1.1	0.7	0.5	0.7
Most appearance wind direction (bearings)		S	S	Calm	Calm	Calm	SW	SW	SW	SW	NE	Calm	NE
Precipitation amount (mm/month)		9	6	13	215	169	57	164	67	399	252	209	33
Sunshine duration (hours/month)		228	246	253	238	206	171	125	136	118	176	156	169
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at Bangna

Table Meteorological condition in 2005 (Samutprakarn)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	27.0	29.7	29.9	31.6	31.4	31.1	30.3	30.1	28.9	29.0	28.2	26.5
ture (ºC)	max.daily mean	28.9	30.4	32.1	34.4	33.4	32.0	32.8	32.4	30.8	31.0	30.0	30.1
	min.daily mean	22.7	29.1	24.9	26.3	29.0	28.4	28.0	27.8	12.8	26.8	24.1	21.5
Humidity	monthly mean	77	81	75	74	75	76	74	78	81	80	77	59
(%)	max.daily mean	91	87	83	88	87	87	89	87	93	93	93	81
	min.daily mean	56	77	47	0	65	67	63	71	67	65	63	0
Mean wind speed (m/s)		1.5	2.2	2.0	2.0	1.7	2.2	1.7	2.0	1.6	1.1	1.2	1.4
Most appearance wind direction (bearings)													
Precipitation amount (mm/month)		9	10	15	68	177	68	169	68	405	238	115	31
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at TMD

Table Meteorological condition in 2005 (Patumthani)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean												
	max.daily mean												
	min.daily mean												
Humidity (%)	monthly mean												
	max.daily mean												
	min.daily mean												
Mean wind speed (m/s)		1.6	2.3	2.3	2.4	2.2	1.6	2.5	3.1	2.1	1.7	2.0	3.4
Most appearance wind direction (bearings)		E	S	S	S	S	S	SW	SW	S	NE	N	N
Precipitation amount (mm/month)		4	0	52	108	135	166	93	48	463	130	118	6
Sunshine duration (hours/month)		211	225	205	186	194	159	133	120	116	199	186	173
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at nearest meteorological station (Patumtani Agro station)

Table Meteorological condition in 2005 (Khanchanaburi)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	25.2	28.4	29.1	30.3	28.5	27.1	26.4	26.4	26.8	26.9	26.5	24.7
	max.daily mean	28.5	30.1	32.7	33.2	31.4	28.6	29.0	28.8	28.5	28.3	29.1	27.4
	min.daily mean	20.5	26.7	24.4	26.9	26.4	25.4	24.3	24.5	24.6	24.8	22.1	19.9
Humidity (%)	monthly mean	67	61	64	67	79	88	88	88	86	83	80	74
	max.daily mean	72	72	90	81	91	94	100	96	96	91	87	84
	min.daily mean	58	53	55	54	59	82	78	77	79	76	73	63
Mean wind speed (m/s)													
Most appearance wind direction (bearings)		NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	SE
Precipitation amount (mm/month)		0	5	31	86	224	252	544	311	388	78	43	10
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at nearest meteorological station (Thong Pa Poom station)

Table Meteorological condition in 2005 (Khanchanaburi)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean												
	max.daily mean												
	min.daily mean												
Humidity (%)	monthly mean												
	max.daily mean												
	min.daily mean												
Mean wind speed (m/s)													
Most appearance wind direction (bearings)													
Precipitation amount (mm/month)		0	4	11	107	199	326	605	354	306	82	41	9
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at Vachiralongkorn

Table Meteorological condition in 2005 (Chiang Mai)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	22.1	25.4	27.7	29.7	29.3	27.7	28.2	26.3	26.4	26.4	24.8	22.4
	max.daily mean	24.6	26.6	30.0	31.8	32.4	29.6	30.2	27.8	27.9	27.3	26.7	25.9
	min.daily mean	19.1	23.9	20.3	24.1	23.3	25.8	26.3	24.4	24.6	23.3	21.3	19.2
Humidity (%)	monthly mean	67	46	47	54	67	86	76	81	82	75	75	72
	max.daily mean	79	60	71	91	98	96	88	89	90	89	85	89
	min.daily mean	52	34	33	33	46	70	68	72	71	65	67	51
Mean wind speed (m/s)													
Most appearance wind direction (bearings)													
Precipitation amount (mm/month)		0	0	60	31	81	209	151	327	408	153	18	80
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)													

Measured at Chiangmai35 (Salaklang)

Table Meteorological condition in 2005 (Chiang Mai)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	21.8	25.1	26.9	29.2	28.6	27.6	27.4	26.2	26.0	26.0	24.5	21.8
	max.daily mean	24.0	26.5	28.9	31.6	31.2	29.8	30.2	27.6	27.9	27.0	26.7	25.3
	min.daily mean	19.0	23.3	19.5	23.0	23.0	26.3	24.3	23.6	24.2	22.9	21.3	18.3
Humidity (%)	monthly mean	70	55	57	61	72	84	83	88	89	84	84	80
	max.daily mean	79	67	76	93	99	92	96	97	97	96	93	96
	min.daily mean	62	45	44	41	53	71	73	83	81	78	78	61
Mean wind speed (m/s)													
Most appearance wind direction (bearings)		S	S	S	S	S	S	SW	SW	SW	NE	N	N
Precipitation amount (mm/month)		0	0	25	57	105	194	179	155	436	192	23	28
Sunshine duration (hours/month)		260	257	263	249	192	103	132	57	118	193	216	171
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at Chiangmai (TMD's data)

Table Meteorological condition in 2005 (Hanoi)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	16.2	17.8	19.2	24.3	29.2	30.3	29.7	28.8	28.7	26.3	22.7	17.4
ture (ºC)	max.daily mean	22.9	23.7	24.4	29.9	32.1	33.3	32.1	31.5	31.5	29.4	27.5	24.3
	min.daily mean	10.5	12.2	13.1	19.4	25.2	26.5	26.5	26.7	26.1	18.6	17.2	12.3
Humidity	monthly mean	79	85	83	83	78	78	79	83	78	76	59	69
(%)	max.daily mean	87	98	97	96	91	92	92	91	93	89	94	96
	min.daily mean	43	56	60	71	36	60	67	72	68	60	58	42
Mean wind speed (m/s)		1.0	1.0	1.0	1.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0
Most appearance wind direction (bearings)		NE	NE	NE	SE	SE	SW	SE	NE	NE	NE	NE	NE
Precipitation amount (mm/month)		11	36	27	33	221	278	278	377	366	18	92	27
Sunshine duration (hours/month)		41	22	34	88	193	125	190	137	165	105	131	70
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Hoa Binh)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	16.5	18.3	19.6	24.7	29.1	29.8	28.9	28.0	27.7	25.0	22.1	16.8
ture (ºC)	max.daily mean	20.4	22.4	23.8	29.5	35.2	35.1	34.4	32.7	32.2	29.8	27.3	21.0
	min.daily mean	14.2	16.0	17.0	21.7	25.2	26.5	25.4	25.6	23.9	22.3	19.1	14.0
Humidity	monthly mean	83	86	83	82	80	78	82	86	85	83	83	78
(%)	max.daily mean	92	93	90	92	90	85	90	93	95	92	93	90
	min.daily mean	68	72	68	64	60	60	64	71	67	63	62	57
Mean wind speed (m/s)		1.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Most appearance wind direction (bearings)		N	N	N	N	N	N	N	N	N	N	N	N
Precipitation amount (mm/month)		9	10	27	30	183	307	567	469	518	59	77	23
Sunshine duration (hours/month)		7	10	9	11	21	14	11	16	18	16	16	10
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Appendix

Meteorological Condition of Monitoring Sites

Table Meteorological condition in 2005 (Chongqing)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	7.6	9.4	13.5	20.2	22.9	26.8	29.5	26.1	26.5	18.0	14.6	8.8
ture (ºC)	max.daily mean	10.4	13.0	18.6	27.2	26.7	32.9	34.9	32.7	31.7	27.1	20.4	11.4
	min.daily mean	4.2	5.6	9.0	12.4	18.9	22.3	24.5	19.7	20.2	13.9	9.7	6.6
Humidity	monthly mean	79	74	75	73	81	76	71	79	71	85	85	81
(%)	max.daily mean	94	88	94	92	93	91	87	96	94	95	93	93
	min.daily mean	54	62	50	53	58	60	45	53	51	71	73	61
Mean wind speed (m/s)		1.3	1.4	1.4	1.5	1.4	1.4	1.7	1.4	1.6	1.3	1.1	1.2
Most appearance wind direction (bearings)		NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Precipitation amount (mm/month)		10	29	69	83	184	140	105	229	63	88	33	14
Sunshine duration (hours/month)		12	30	62	125	81	118	179	97	171	18	6	4
Solar radiation (MJ/m^2/month)													

Table Meteorological condition in 2005 (Xi'an)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	0.7	1.8	9.9	18.8	22.1	27.9	27.9	24.3	21.9	13.9	9.7	0.7
ture (ºC)	max.daily mean	3.8	6.2	16.1	25.3	27.4	34.3	32.6	28.6	25.9	18.3	14.4	5.2
	min.daily mean	-2.8	-1.5	5.2	13.1	17.5	22.1	23.7	20.9	18.4	10.8	6.1	-2.5
Humidity	monthly mean	65	65	55	52	61	55	69	79	75	79	71	50
(%)	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	20	17	9	9	17	13	17	36	36	27	22	13
Mean wind speed (m/s)		0.7	1.0	1.0	1.1	1.4	1.2	1.4	1.2	1.1	0.7	0.5	0.7
Most appearance wind direction (bearings)		NE	NE	NE	SW	NE	NE	NE	NE	NE	SW	NE	ENE
Precipitation amount (mm/month)		0	9	6	19	43	67	46	127	104	118	2	0
Sunshine duration (hours/month)		82	77	198	228	208	253	191	143	153	132	129	155
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Xiamen)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	12.3	12.5	13.5	20.3	23.6	26.0	28.3	27.7	27.2	23.6	20.5	13.7
	max.daily mean	17.1	16.5	18.8	25.3	27.6	29.4	32.5	32.1	31.5	27.3	30.8	23.7
	min.daily mean	9.6	10.2	10.3	17.2	21.3	23.8	25.5	25.1	24.3	21.1	13.9	4.8
Humidity (%)	monthly mean	69	86	76	80	87	83	76	79	72	66	68	58
	max.daily mean	100	100	100	99	100	93	87	92	92	87	84	85
	min.daily mean	17	29	16	32	47	27	38	37	41	29	31	13
Mean wind speed (m/s)		2.5	2.5	2.6	2.3	2.4	2.6	2.8	2.6	2.8	3.2	3.0	3.0
Most appearance wind direction (bearings)		E	E	E	ESE	ESE	SSW	SSE	SSE	NE	E	E	NE
Precipitation amount (mm/month)		93	220	66	127	194	17	350	134	209	89	1	14
Sunshine duration (hours/month)		123	44	89	129	93	131	250	164	189	165	141	158
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Zhuhai)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	14.7	15.3	16.8	22.4	27.0	27.4	28.9	28.1	28.1	26.0	22.4	16.2
	max.daily mean	18.0	17.8	19.8	25.3	30.0	30.3	32.3	31.3	31.2	29.0	25.8	19.7
	min.daily mean	12.4	13.4	14.5	20.5	24.9	25.2	26.3	25.8	25.6	23.5	20.0	13.7
Humidity (%)	monthly mean	72	86	80	87	87	89	82	86	80	71	74	57
	max.daily mean	80	92	88	92	92	94	89	92	89	79	81	67
	min.daily mean	59	76	66	72	72	76	66	72	65	55	59	44
Mean wind speed (m/s)		2.2	2.3	2.7	2.3	3.0	2.6	2.8	3.2	3.6	2.9	2.6	2.4
Most appearance wind direction (bearings)		E	E	SE	SE	SE	W	SE	E	E	NE	NE	NE
Precipitation amount (mm/month)		7	31	48	36	181	505	71	236	111	0	120	0
Sunshine duration (hours/month)		105	28	71	75	130	87	226	198	183	220	201	152
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Rishiri)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-5.1	-6.0	-1.6	3.6	7.4	14.5	17.5	20.4	16.8	11.6	4.3	-3.2
ture (ºC)	max.daily mean	-0.7	-0.4	4.5	8.8	14.8	20.2	20.6	23.1	22.6	16.8	13.8	1.1
	min.daily mean	-9.0	-9.4	-7.5	-0.9	2.4	8.8	13.2	17.6	12.5	4.4	-1.3	-7.3
Humidity	monthly mean	75	75	71	80	79	86	82	86	79	71	70	73
(%)	max.daily mean	92	91	89	89	94	97	98	98	92	89	89	84
	min.daily mean	67	64	57	60	54	75	58	65	56	49	56	59
Mean wind speed (m/s)		4.7	5.0	5.2	3.8	3.3	2.1	2.5	2.2	3.3	4.3	4.5	4.6
Most appearance wind direction (bearings)		E	NW	NW	E	ENE	W	ENE	SW	NE	WSW	WN	NNW
Precipitation amount (mm/month)		62	54	37	54	117	25	42	105	159	77	94	121
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		113	187	331	390	568	473	523	392	391	157	135	95

Table Meteorological condition in 2005 (Tappi)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-0.3	-1.8	1.7	7.6	9.8	15.9	18.7	23.4	19.6	14.8	7.8	0.1
ture (ºC)	max.daily mean	6.6	1.8	7.5	14.3	15.1	20.8	23.1	25.5	24.2	18.8	15.1	5.3
	min.daily mean	-4.9	-5.7	-4.4	3.0	6.5	11.2	13.4	21.0	16.7	9.4	1.9	-4.9
Humidity	monthly mean	74	72	68	68	79	88	86	84	73	67	65	68
(%)	max.daily mean	85	84	94	86	95	94	93	94	90	83	76	82
	min.daily mean	62	56	47	42	58	78	76	70	58	53	51	53
Mean wind speed (m/s)		9.0	9.6	9.9	6.5	5.8	4.0	4.7	3.9	4.6	5.4	8.8	9.3
Most appearance wind direction (bearings)		WSW	WSW	WSW	WSW	NE	ENE	NE	ENE	WSW	WSW	WSW	WSW
Precipitation amount (mm/month)		82	37	69	73	88	43	227	168	155	123	85	41
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		102	145	300	447	501	455	489	479	386	299	135	98

Table Meteorological condition in 2005 (Sado-seki)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	2.7	0.9	4.4	11.1	14.0	20.6	22.5	25.9	22.2	16.9	11.5	0.7
	max.daily mean	9.1	5.7	10.3	19.3	20.3	25.1	27.3	29.3	26.8	21.1	16.3	3.3
	min.daily mean	-1.4	-2.3	-1.3	5.7	8.8	16.1	19.4	22.5	18.7	11.5	5.5	-2.5
Humidity (%)	monthly mean	70	74	66	58	67	74	81	74	71	66	63	75
	max.daily mean	84	89	90	79	88	95	94	90	86	89	79	87
	min.daily mean	52	56	41	27	37	45	65	57	52	49	51	59
Mean wind speed (m/s)		8.7	7.8	7.9	6.4	4.3	3.3	3.9	3.6	4.6	4.5	6.8	11.0
Most appearance wind direction (bearings)		W	W	W	SW	WSW	SW	SW	WSW	ENE	ENE	W	W
Precipitation amount (mm/month)		41	11	67	68	32	85	82	183	130	145	63	54
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		109	124	301	526	595	553	481	568	381	294	112	47

Table Meteorological condition in 2005 (Happo)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	-8.6	-9.0	-6.1	2.7	6.0	12.8	15.0	15.8	13.0	6.9	-0.8	-10.4
	max.daily mean	-0.8	-1.5	1.9	10.9	10.8	17.1	17.2	19.4	17.0	13.0	4.9	-4.8
	min.daily mean	-13.2	-13.8	-14.2	-6.5	-0.3	8.2	12.2	12.5	7.2	-0.8	-6.5	-14.9
Humidity (%)	monthly mean	77	80	72	59	65	81	86	91	91	87	73	89
	max.daily mean	96	97	95	92	94	96	96	98	98	98	96	94
	min.daily mean	34	45	33	20	25	56	66	75	79	41	43	70
Mean wind speed (m/s)		5.7	5.4	6.1	4.7	2.9	2.0	2.3	2.1	2.3	2.0	3.7	6.1
Most appearance wind direction (bearings)		NW	NW	NW	S	S	SSE	SSE	SSE	SSE	SSE	NW	SSE
Precipitation amount (mm/month)		233	137	155	85	246	520	503	338	112	208	138	272
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		267	345	477	677	645	481	416	308	290	266	254	172

Table Meteorological condition in 2005 (Ijira)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	1.5	2.0	4.8	12.3	15.6	21.2	23.5	24.6	22.4	16.3	8.5	0.4
ture (ºC)	max.daily mean	3.8	6.0	9.7	20.0	19.4	25.0	26.6	27.1	26.0	20.1	13.0	6.0
	min.daily mean	-1.1	-2.5	-0.3	6.2	12.1	16.5	21.3	20.6	18.1	10.2	4.3	-2.3
Humidity	monthly mean	90	84	83	71	76	86	91	89	88	88	88	96
(%)	max.daily mean	99	100	100	96	98	99	99	99	99	100	99	100
	min.daily mean	68	64	62	46	53	66	67	75	67	65	71	79
Mean wind speed (m/s)		0.5	0.6	0.7	0.8	0.8	0.6	0.6	0.6	0.6	0.5	0.6	0.4
Most appearance wind direction (bearings)		Calm	Calm	Calm	W	W	W	W	W	W	W	W	Calm
Precipitation amount (mm/month)		117	139	243	80	206	134	353	224	132	135	118	409
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		215	245	357	493	535	456	382	419	352	277	235	152

Table Meteorological condition in 2005 (Oki)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	4.8	3.8	7.1	13.3	15.5	21.3	23.6	26.4	22.6	17.1	13.2	4.0
ture (ºC)	max.daily mean	10.3	8.0	13.7	19.8	19.0	26.0	26.6	28.7	28.1	23.8	17.9	10.4
	min.daily mean	1.1	-1.5	0.2	7.8	10.6	16.0	20.1	23.5	19.1	11.9	7.9	0.7
Humidity	monthly mean	70	72	69	65	70	75	84	76	78	69	62	71
(%)	max.daily mean	87	91	88	90	84	93	94	88	91	88	80	86
	min.daily mean	58	54	45	39	43	57	75	66	62	59	48	55
Mean wind speed (m/s)		4.7	3.6	4.2	3.9	2.6	2.6	2.8	2.6	3.5	3.1	3.8	4.9
Most appearance wind direction (bearings)		N	N	N	S	S	S	S	S	NNE	NNE	SW	N
Precipitation amount (mm/month)		84	88	87	20	56	84	199	44	302	77	70	199
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		149	193	359	551	620	543	468	581	357	355	226	125

Table Meteorological condition in 2005 (Banryu)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	4.6	4.4	7.4	14.3	16.6	22.2	24.8	26.1	23.1	17.2	11.9	4.3
ture (ºC)	max.daily mean	7.9	10.3	13.6	23.6	19.9	29.3	26.8	29.4	27.9	26.4	19.0	10.3
	min.daily mean	0.4	-1.5	1.0	8.3	13.2	17.5	21.6	23.2	18.6	11.6	8.3	1.1
Humidity	monthly mean	70	70	72	62	73	75	83	77	81	78	72	65
(%)	max.daily mean	96	94	91	88	85	92	92	89	90	92	88	90
	min.daily mean	51	51	54	33	59	60	76	64	63	60	50	48
Mean wind speed (m/s)		3.7	3.4	3.3	3.4	3.0	2.5	2.3	2.3	2.8	3.0	3.1	4.3
Most appearance wind direction (bearings)		S	S	S	S	S	S	S	S	S	S	S	S
Precipitation amount (mm/month)		83	61	94	36	79	0	282	38	42	58	74	105
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		191	192	355	547	677	563	487	572	431	334	270	141

Table Meteorological condition in 2005 (Yusuhara)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	0.1	1.0	3.7	12.1	14.9	19.1	22.5	22.5	20.6	14.9	9.0	-0.8
ture (ºC)	max.daily mean	5.5	10.8	9.6	19.6	18.4	22.9	25.5	25.0	23.1	20.9	14.6	5.9
	min.daily mean	-3.8	-7.0	-5.0	3.6	11.9	13.8	19.7	20.1	16.5	8.3	3.8	-6.4
Humidity	monthly mean	77	75	68	57	69	77	76	76	80	78	67	76
(%)	max.daily mean	91	94	91	92	93	92	92	92	93	94	93	91
	min.daily mean	58	51	42	19	35	56	57	61	61	55	50	52
Mean wind speed (m/s)		3.1	2.8	3.1	2.2	1.9	1.5	1.6	1.6	1.7	1.9	2.5	3.4
Most appearance wind direction (bearings)		NNW	NNW	N	N	NNW	SSE	NNW	NNW	SSE	NNW	N	NNW
Precipitation amount (mm/month)		78	301	194	78	164	88	338	94	684	153	133	570
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		268	296	448	612	632	547	497	563	439	361	324	258

Table Meteorological condition in 2005 (Hedo)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	15.8	16.7	16.0	20.1	22.7	25.5	28.6	28.1	27.6	25.4	21.7	16.2
	max.daily mean	18.9	22.8	21.8	25.1	25.9	28.4	30.1	29.7	28.9	28.1	25.1	21.1
	min.daily mean	12.0	12.2	9.6	16.3	19.4	23.2	27.5	26.5	26.7	20.2	18.2	10.9
Humidity (%)	monthly mean	68	79	70	77	82	85	79	80	76	73	70	64
	max.daily mean	88	93	90	92	93	94	88	89	86	87	89	92
	min.daily mean	55	60	56	55	71	74	72	73	65	54	52	53
Mean wind speed (m/s)		5.5	5.7	5.5	4.4	4.7	4.6	4.0	3.6	5.0	5.2	5.4	6.2
Most appearance wind direction (bearings)		N	N	N	ESE	E	SSW	SW	ESE	E	N	NNE	NNW
Precipitation amount (mm/month)		88	142	169	98	221	551	22	83	48	101	158	98
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		228	197	386	475	502	460	746	611	582	453	299	214

Table Meteorological condition in 2005 (Ogasawara)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	16.1	16.4	16.7	18.8	21.3	24.9	25.8	26.3	26.2	24.7	20.9	15.9
	max.daily mean	19.0	20.2	20.2	21.4	23.8	26.7	26.7	27.1	27.1	26.4	24.0	18.9
	min.daily mean	13.1	13.8	14.1	15.5	17.7	20.0	24.5	24.5	24.0	21.8	17.0	12.9
Humidity (%)	monthly mean	75	78	77	83	90	88	87	86	86	85	79	70
	max.daily mean	95	94	94	97	97	97	92	92	95	94	92	86
	min.daily mean	60	60	62	65	67	79	82	83	80	74	63	58
Mean wind speed (m/s)		1.8	1.8	1.8	1.7	1.9	2.2	1.8	1.3	1.7	1.3	1.5	1.6
Most appearance wind direction (bearings)		SW	SW	SSW	SSW	SSW	SSW	SW	SSW	NE	NE	SSW	SW
Precipitation amount (mm/month)		148	70	164	206	434	304	80	29	305	91	201	36
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		310	321	440	465	380	552	585	630	515	506	342	331

Table Meteorological condition in 2005 (Ulaanbaatar)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-22.0	-24.4	-8.2	1.9	9.0	16.1	20.5	18.3	10.0	2.6	-8.5	-19.4
ture (ºC)	max.daily mean	-13.6	-17.0	4.0	10.5	20.2	25.7	26.5	25.3	18.6	9.4	1.3	-9.4
	min.daily mean	-28.5	-30.0	-21.8	-6.4	-1.8	7.2	15.9	10.1	0.8	-2.9	-11.9	-25.5
Humidity	monthly mean	82	81	67	50	44	54	51	57	55	50	64	77
(%)	max.daily mean	92	87	87	80	72	81	83	85	88	68	80	83
	min.daily mean	73	75	42	35	25	22	28	26	27	31	41	67
Mean wind speed (m/s)		1.1	1.0	1.9	3.3	3.4	2.9	2.9	2.7	2.9	2.4	1.8	1.6
Most appearance wind direction (bearings)		E	W	NW	NW	NW	NW	E	E	E	N	NW	NW
Precipitation amount (mm/month)		4	5	5	11	14	24	60	42	24	2	2	2
Sunshine duration (hours/month)		157	193	309	274	309	268	323	291	303	249	205	149
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Terelj)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-25.0	-27.3	-11.5	-0.4	5.8	12.2	16.4	13.6	5.7	-0.7	-11.7	-21.1
ture (ºC)	max.daily mean	-18.3	-17.3	1.1	9.3	15.1	18.4	22.2	19.0	13.9	6.8	-2.2	-6.1
	min.daily mean	-31.3	-33.4	-26.9	-6.9	-3.2	4.1	13.7	6.4	-0.8	-6.8	-16.9	-28.2
Humidity	monthly mean	80	77	65	52	50	60	57	65	63	60	69	72
(%)	max.daily mean	85	83	82	72	75	76	84	83	83	78	79	78
	min.daily mean	72	69	44	34	33	30	38	49	50	46	55	62
Mean wind speed (m/s)		0.5	0.3	1.6	2.7	1.6	0.9	1.1	0.7	1.2	1.4	0.8	0.6
Most appearance wind direction (bearings)		W	W	W	N	N	N	N	N	N	W	W	W
Precipitation amount (mm/month)		5	3	4	14	31	32	79	142	39	2	1	2
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Kanghwa)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	-3.9	-3.1	2.9	11.4	15.8	20.8	24.0	24.1	20.7	13.4	7.4	-4.7
	max.daily mean	1.8	2.0	8.0	16.8	21.4	25.4	27.9	28.1	26.1	19.7	12.6	0.2
	min.daily mean	-8.9	-7.9	-2.0	6.1	10.5	17.2	21.2	21.0	16.7	7.9	1.9	-9.5
Humidity (%)	monthly mean	58	54	62	63	65	81	84	82	79	70	63	57
	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
Mean wind speed (m/s)		1.7	2.1	2.4	2.6	2.2	1.9	1.6	2.1	1.8	1.2	1.6	1.5
Most appearance wind direction (bearings)		NE	SW	WSW	WSW	SW	SW	N	NNE	NE	NNE	SW	WSW
Precipitation amount (mm/month)		2	29	8	83	111	104	196	292	283	19	41	10
Sunshine duration (hours/month)		229	213	274	259	289	213	167	154	168	226	190	212
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Cheju)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	5.4	5.4	8.4	15.4	18.0	23.2	26.9	27.4	25.1	19.1	14.2	6.0
	max.daily mean	7.5	8.0	12.2	19.7	22.1	26.6	29.7	30.3	27.9	22.1	17.3	8.6
	min.daily mean	3.4	3.0	5.1	11.6	14.7	20.4	24.7	24.9	22.8	16.7	11.1	3.5
Humidity (%)	monthly mean	61	65	59	58	63	70	73	69	69	61	55	60
	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
Mean wind speed (m/s)		4.3	4.0	4.1	3.2	2.8	3.1	3.0	2.9	3.1	3.1	3.3	5.2
Most appearance wind direction (bearings)		N	N	NNW	NNW	SE	S	SW	ENE	N	NNW	N	N
Precipitation amount (mm/month)		33	53	97	54	82	36	165	130	11	45	93	31
Sunshine duration (hours/month)		32	63	164	237	233	206	140	192	154	144	148	58
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Imsil)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	-2.7	-1.8	2.7	11.8	16.0	21.6	24.8	23.7	21.1	12.2	5.8	-4.6
	max.daily mean	2.7	3.7	9.9	20.2	24.0	27.9	30.0	29.0	26.8	20.4	14.1	1.7
	min.daily mean	-8.1	-6.6	-3.7	4.0	8.3	16.6	21.1	20.0	16.9	6.2	-0.9	-11.0
Humidity (%)	monthly mean	71	69	66	59	67	77	81	83	79	77	72	75
	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
Mean wind speed (m/s)		0.5	1.2	1.9	1.9	1.4	1.2	0.9	1.1	1.2	0.9	1.1	1.2
Most appearance wind direction (bearings)		SE	N	WSW	SW	SW	WSW	ESE	NE	N	WSW	N	NNW
Precipitation amount (mm/month)		16	29	62	52	61	173	453	416	63	19	35	42
Sunshine duration (hours/month)		184	182	246	267	282	233	195	192	182	198	199	163
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Mondy)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-20.5	-23.4	-6.8	0.9	6.1	13.1	16.5	13.7	6.6	1.5	-8.0	-18.1
ture (ºC)	max.daily mean	-11.0	-12.5	1.9	7.7	13.8	20.9	24.5	20.5	15.0	9.0	-0.7	-10.2
	min.daily mean	-27.0	-31.6	-15.4	-5.7	-2.0	6.0	9.8	8.4	-0.3	-5.0	-14.1	-24.0
Humidity	monthly mean	73	68	58	53	62	65	73	80	75	-	-	-
(%)	max.daily mean	86	80	81	76	91	89	93	95	96	-	-	-
	min.daily mean	48	49	37	35	40	43	48	58	48	-	-	-
Mean wind speed (m/s)		1.0	1.0	2.4	3.1	2.1	2.0	1.1	1.5	1.5	1.9	1.7	1.3
Most appearance wind direction (bearings)		W	W	W	W	W	WSW	E	E	W	W	W	W
Precipitation amount (mm/month)		4	3	2	10	33	47	105	111	21	25	2	1
Sunshine duration (hours/month)		168	212	270	243	296	265	276	199	214	181	143	150
Solar radiation (MJ/m^2/month)		129	211	366	463	505	451	543	384	307	238	122	100

Table Meteorological condition in 2005 (Listvyanka)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	-15.5	-20.1	-7.1	-0.3	5.3	11.2	15.9	14.9	9.3	4.3	-4.6	-15.1
ture (ºC)	max.daily mean	-12.0	-16.1	-1.2	4.1	11.2	16.9	21.5	19.5	14.5	9.2	-0.7	-11.7
	min.daily mean	-18.3	-23.7	-11.5	-4.0	1.1	6.8	11.3	11.2	5.0	0.8	-7.8	-18.0
Humidity	monthly mean	86	85	71	68	67	81	82	83	78	78	81	86
(%)	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	79	79	51	50	47	66	63	66	59	60	64	80
Mean wind speed (m/s)		3.7	3.6	3.6	3.9	3.1	2.9	2.2	2.7	3.6	3.5	4.3	5.9
Most appearance wind direction (bearings)		NNE	NNE	NNE	N	N	N	N	N	N	N	N	N
Precipitation amount (mm/month)		11	5	5	73	29	72	88	89	24	25	8	31
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Irkutsk)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	-17.7	-20.7	-5.5	2.5	9.9	16.1	20.2	16.9	9.9	4.8	-5.8	-18.2
	max.daily mean	-13.7	-14.2	1.4	8.8	17.2	22.6	27.2	22.9	16.6	10.2	-1.4	-14.0
	min.daily mean	-20.8	-25.6	-11.0	-2.2	3.4	10.9	14.3	12.1	4.4	0.9	-9.2	-21.8
Humidity (%)	monthly mean	86	77	62	56	54	69	70	77	72	70	79	83
	max.daily mean	-	-	-	-	-	-	-	-	-	-	-	-
	min.daily mean	80	65	42	36	31	47	47	55	47	48	64	76
Mean wind speed (m/s)		1.5	1.7	2.3	2.8	2.1	1.9	1.7	1.8	1.9	2.1	1.7	1.5
Most appearance wind direction (bearings)		WNW	SE	WN	WN	WN	WSW	SE	W	W	WN	WN	WN
Precipitation amount (mm/month)		13	5	4	57	36	114	97	82	32	26	15	33
Sunshine duration (hours/month)		108	177	238	221	280	246	318	250	202	144	76	75
Solar radiation (MJ/m^2/month)													

Table Meteorological condition in 2005 (Primorskaya)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	-16.2	-16.5	-5.0	6.3	9.9	17.9	19.7	20.9	15.5	7.3	-1.8	-16.3
	max.daily mean	2.4	-1.9	10.3	22.3	27.4	32.5	33.4	34.3	26.6	22.2	17.9	-2.1
	min.daily mean	-31.2	-30.5	-27.1	-6.3	-0.5	9.8	12.5	10.2	2.7	-9.3	-23.4	-29.5
Humidity (%)	monthly mean	74	68	64	65	75	81	88	86	80	71	70	72
	max.daily mean	91	83	82	83	95	95	97	96	90	96	92	84
	min.daily mean	29	31	24	16	19	27	39	37	28	18	24	33
Mean wind speed (m/s)		1.6	1.9	2.2	2.2	1.7	1.3	1.1	1.1	1.4	2.0	1.8	1.7
Most appearance wind direction (bearings)		E	ENE	E	ENE	E	ES	Calm	Calm	E	E	E	E
Precipitation amount (mm/month)		11	18	24	59	129	30	174	156	8	78	43	6
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Bangkok)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	26.6	28.9	29.0	30.3	30.1	29.2	28.6	28.4	27.7	27.5	26.7	26.3
ture (ºC)	max.daily mean	28.8	29.7	30.9	31.6	32.1	30.7	31.0	31.4	29.1	29.5	29.1	28.8
	min.daily mean	21.6	28.3	24.2	25.1	26.5	27.1	25.8	25.1	24.1	25.2	23.4	21.4
Humidity	monthly mean	85	92	65	68	68	68	68	68	71	71	70	65
(%)	max.daily mean	96	95	79	75	77	73	79	74	78	76	77	75
	min.daily mean	67	86	41	65	64	65	63	63	66	64	64	59
Mean wind speed (m/s)		0.6	1.1	0.9	1.3	1.5	1.9	1.5	1.5	1.0	0.4	0.6	0.6
Most appearance wind direction (bearings)		S	S	S	S	S	S	SW	SW	SW	NE	N	N
Precipitation amount *		16	1	98	224	242	155	238	105	366	403	219	111
(mm/month) **		14	0	68	132	216	181	317	131	353	313	168	113
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at PRD

** Precipitation amount data from PRD*

*** Precipitation amount data from Pollution Control Department station (20th floor)*

Table Meteorological condition in 2005 (Bangkok)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	26.3	29.2	29.1	30.5	30.1	29.8	28.8	29.8	28.5	28.8	27.5	26.0
ture (ºC)	max.daily mean	28.7	30.2	31.5	32.1	32.4	31.0	31.0	32.6	30.8	31.1	29.3	29.1
	min.daily mean	21.3	28.7	23.8	25.2	26.8	28.4	26.7	27.0	25.0	25.8	23.6	21.3
Humidity	monthly mean	73	73	68	68	70	69	73	68	74	71	70	58
(%)	max.daily mean	89	80	87	88	94	79	95	87	93	86	88	79
	min.daily mean	50	68	43	61	59	59	57	54	59	57	57	48
Mean wind speed (m/s)		2.3	3.7	3.0	3.4	3.1	4.5	3.4	3.5	2.3	0.8	5.1	1.1
Most appearance wind direction (bearings)													
Precipitation amount (mm/month)		29	1	65	169	325	169	308	201	272	59	14	42
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)													

Measured at Chatuchak

Table Meteorological condition in 2005 (Samutprakarn)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean												
ture (ºC)	max.daily mean												
	min.daily mean												
Humidity	monthly mean												
(%)	max.daily mean												
	min.daily mean												
Mean wind speed (m/s)		1.1	2.2	0.6	0.0	1.2	2.2	1.3	1.4	1.1	0.7	0.5	0.7
Most appearance wind direction (bearings)		S	S	Calm	Calm	Calm	SW	SW	SW	SW	NE	Calm	NE
Precipitation amount (mm/month)		9	6	13	215	169	57	164	67	399	252	209	33
Sunshine duration (hours/month)		228	246	253	238	206	171	125	136	118	176	156	169
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at Bangna

Table Meteorological condition in 2005 (Samutprakarn)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	27.0	29.7	29.9	31.6	31.4	31.1	30.3	30.1	28.9	29.0	28.2	26.5
ture (ºC)	max.daily mean	28.9	30.4	32.1	34.4	33.4	32.0	32.8	32.4	30.8	31.0	30.0	30.1
	min.daily mean	22.7	29.1	24.9	26.3	29.0	28.4	28.0	27.8	12.8	26.8	24.1	21.5
Humidity	monthly mean	77	81	75	74	75	76	74	78	81	80	77	59
(%)	max.daily mean	91	87	83	88	87	87	89	87	93	93	93	81
	min.daily mean	56	77	47	0	65	67	63	71	67	65	63	0
Mean wind speed (m/s)		1.5	2.2	2.0	2.0	1.7	2.2	1.7	2.0	1.6	1.1	1.2	1.4
Most appearance wind direction (bearings)													
Precipitation amount (mm/month)		9	10	15	68	177	68	169	68	405	238	115	31
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at TMD

Table Meteorological condition in 2005 (Patumthani)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean												
	max.daily mean												
	min.daily mean												
Humidity (%)	monthly mean												
	max.daily mean												
	min.daily mean												
Mean wind speed (m/s)		1.6	2.3	2.3	2.4	2.2	1.6	2.5	3.1	2.1	1.7	2.0	3.4
Most appearance wind direction (bearings)		E	S	S	S	S	S	SW	SW	S	NE	N	N
Precipitation amount (mm/month)		4	0	52	108	135	166	93	48	463	130	118	6
Sunshine duration (hours/month)		211	225	205	186	194	159	133	120	116	199	186	173
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at nearest meteorological station (Patumtani Agro station)

Table Meteorological condition in 2005 (Khanchanaburi)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	25.2	28.4	29.1	30.3	28.5	27.1	26.4	26.4	26.8	26.9	26.5	24.7
	max.daily mean	28.5	30.1	32.7	33.2	31.4	28.6	29.0	28.8	28.5	28.3	29.1	27.4
	min.daily mean	20.5	26.7	24.4	26.9	26.4	25.4	24.3	24.5	24.6	24.8	22.1	19.9
Humidity (%)	monthly mean	67	61	64	67	79	88	88	88	86	83	80	74
	max.daily mean	72	72	90	81	91	94	100	96	96	91	87	84
	min.daily mean	58	53	55	54	59	82	78	77	79	76	73	63
Mean wind speed (m/s)													
Most appearance wind direction (bearings)		NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	SE
Precipitation amount (mm/month)		0	5	31	86	224	252	544	311	388	78	43	10
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at nearest meteorological station (Thong Pa Poom station)

Table Meteorological condition in 2005 (Khanchanaburi)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean												
	max.daily mean												
	min.daily mean												
Humidity (%)	monthly mean												
	max.daily mean												
	min.daily mean												
Mean wind speed (m/s)													
Most appearance wind direction (bearings)													
Precipitation amount (mm/month)		0	4	11	107	199	326	605	354	306	82	41	9
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at Vachiralongkorn

Table Meteorological condition in 2005 (Chiang Mai)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	22.1	25.4	27.7	29.7	29.3	27.7	28.2	26.3	26.4	26.4	24.8	22.4
	max.daily mean	24.6	26.6	30.0	31.8	32.4	29.6	30.2	27.8	27.9	27.3	26.7	25.9
	min.daily mean	19.1	23.9	20.3	24.1	23.3	25.8	26.3	24.4	24.6	23.3	21.3	19.2
Humidity (%)	monthly mean	67	46	47	54	67	86	76	81	82	75	75	72
	max.daily mean	79	60	71	91	98	96	88	89	90	89	85	89
	min.daily mean	52	34	33	33	46	70	68	72	71	65	67	51
Mean wind speed (m/s)													
Most appearance wind direction (bearings)													
Precipitation amount (mm/month)		0	0	60	31	81	209	151	327	408	153	18	80
Sunshine duration (hours/month)		-	-	-	-	-	-	-	-	-	-	-	-
Solar radiation (MJ/m^2/month)													

Measured at Chiangmai35 (Salaklang)

Table Meteorological condition in 2005 (Chiang Mai)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera- ture (ºC)	monthly mean	21.8	25.1	26.9	29.2	28.6	27.6	27.4	26.2	26.0	26.0	24.5	21.8
	max.daily mean	24.0	26.5	28.9	31.6	31.2	29.8	30.2	27.6	27.9	27.0	26.7	25.3
	min.daily mean	19.0	23.3	19.5	23.0	23.0	26.3	24.3	23.6	24.2	22.9	21.3	18.3
Humidity (%)	monthly mean	70	55	57	61	72	84	83	88	89	84	84	80
	max.daily mean	79	67	76	93	99	92	96	97	97	96	93	96
	min.daily mean	62	45	44	41	53	71	73	83	81	78	78	61
Mean wind speed (m/s)													
Most appearance wind direction (bearings)		S	S	S	S	S	S	SW	SW	SW	NE	N	N
Precipitation amount (mm/month)		0	0	25	57	105	194	179	155	436	192	23	28
Sunshine duration (hours/month)		260	257	263	249	192	103	132	57	118	193	216	171
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Measured at Chiangmai (TMD's data)

Table Meteorological condition in 2005 (Hanoi)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	16.2	17.8	19.2	24.3	29.2	30.3	29.7	28.8	28.7	26.3	22.7	17.4
ture (ºC)	max.daily mean	22.9	23.7	24.4	29.9	32.1	33.3	32.1	31.5	31.5	29.4	27.5	24.3
	min.daily mean	10.5	12.2	13.1	19.4	25.2	26.5	26.5	26.7	26.1	18.6	17.2	12.3
Humidity	monthly mean	79	85	83	83	78	78	79	83	78	76	59	69
(%)	max.daily mean	87	98	97	96	91	92	92	91	93	89	94	96
	min.daily mean	43	56	60	71	36	60	67	72	68	60	58	42
Mean wind speed (m/s)		1.0	1.0	1.0	1.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0
Most appearance wind direction (bearings)		NE	NE	NE	SE	SE	SW	SE	NE	NE	NE	NE	NE
Precipitation amount (mm/month)		11	36	27	33	221	278	278	377	366	18	92	27
Sunshine duration (hours/month)		41	22	34	88	193	125	190	137	165	105	131	70
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Table Meteorological condition in 2005 (Hoa Binh)

Month / Items		1	2	3	4	5	6	7	8	9	10	11	12
Tempera-	monthly mean	16.5	18.3	19.6	24.7	29.1	29.8	28.9	28.0	27.7	25.0	22.1	16.8
ture (ºC)	max.daily mean	20.4	22.4	23.8	29.5	35.2	35.1	34.4	32.7	32.2	29.8	27.3	21.0
	min.daily mean	14.2	16.0	17.0	21.7	25.2	26.5	25.4	25.6	23.9	22.3	19.1	14.0
Humidity	monthly mean	83	86	83	82	80	78	82	86	85	83	83	78
(%)	max.daily mean	92	93	90	92	90	85	90	93	95	92	93	90
	min.daily mean	68	72	68	64	60	60	64	71	67	63	62	57
Mean wind speed (m/s)		1.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Most appearance wind direction (bearings)		N	N	N	N	N	N	N	N	N	N	N	N
Precipitation amount (mm/month)		9	10	27	30	183	307	567	469	518	59	77	23
Sunshine duration (hours/month)		7	10	9	11	21	14	11	16	18	16	16	10
Solar radiation (MJ/m^2/month)		-	-	-	-	-	-	-	-	-	-	-	-

Corrigenda
to
Data Report on the Acid deposition in the East Asian region 2004

- **Page 27, table 3.18**

  Data of Kototabang in 2004 are incorrect. The corrected figures are as follows.

Table 3.18 Volume-weighted mean concentrations/ Precipitation (Monthly)

2004	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm $month^{-1}$
Jan	**1.6**	**1.5**	**<1.0**	**9.8**	**<1.0**	**<1.0**	**2.9**	**1.1**	**1.1**	**0.8**	**4.1**	**5.38**	**0.79**	**34.8**
Feb	**2.5**	**1.9**	**5.9**	**8.9**	**6.6**	**9.4**	**8.8**	**6.1**	**5.9**	**4.0**	**9.9**	**5.00**	**1.20**	**256.1**
Mar	**4.0**	**3.6**	**10.2**	**18.1**	**18.2**	**6.7**	**7.0**	**4.5**	**4.4**	**2.1**	**9.1**	**5.04**	**1.14**	**199.0**
Annual	**5.2**	**4.6**	**4.7**	**11.8**	**12.3**	**10.9**	**6.3**	**7.0**	**6.7**	**1.8**	**18.5**	**4.73**	**1.11**	**2110.9[1)]**

Table 3.18 Wet deposition (Monthly) unit: mmol $m^{-2}month^{-1}$

2004	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	**0.05**	**0.05**	**0.00**	**0.34**	**0.00**	**0.03**	**0.10**	**0.04**	**0.04**	**0.03**	**0.14**
Feb	**0.64**	**0.50**	**1.51**	**2.29**	**1.70**	**2.42**	**2.26**	**1.57**	**1.52**	**1.03**	**2.54**
Mar	**0.81**	**0.73**	**2.03**	**3.61**	**3.62**	**1.33**	**1.39**	**0.90**	**0.87**	**0.43**	**1.82**
Annual[2)]	**11.0**	**9.66**	**9.94**	**24.8**	**25.9**	**23.0**	**13.2**	**14.7**	**14.2**	**3.76**	**39.0**

Table 3.18 Data completeness (Monthly)

2004	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Feb	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Mar	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Annual	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	100	100	**100**

➢ Page 40, table 3.31

Data of Vientian in 2004 are incorrect. The corrected figures are as follows.

Table 3.31 Volume-weighted mean concentrations/ Precipitation (Monthly)

2004	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m	mm month^{-1}
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0**
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0**
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0**
Apr	*	*	*	*	*	*	*	*	*	*	5.9	5.23	1.28	68.1
May	*	*	*	*	*	*	*	*	*	*	*	*	*	72.6
June	*	*	*	*	*	*	*	*	*	*	*	*	*	143.8
July	*	*	*	*	*	*	*	*	*	*	**0.8**	**6.11**	**3.44**	**130.1**
Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0**
Sept	*	*	*	*	*	*	*	*	*	*	0.3	6.46	2.30	**27.1**
Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0**
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0**
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0**
Annual	*	*	*	*	*	*	*	*	*	*	**2.3**	**5.65**	**2.65**	**441.8**[1)]
Max.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.4	10.5	**6.72**	**4.96**	
Min.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<0.4	**0.2**	4.98	**1.09**	

Table 3.31 Wet deposition (Monthly) unit: mmol m^{-2}month^{-1}

2004	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
Jan	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Feb	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Mar	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Apr	*	*	*	*	*	*	*	*	*	*	0.40
May	*	*	*	*	*	*	*	*	*	*	*
June	*	*	*	*	*	*	*	*	*	*	*
July	*	*	*	*	*	*	*	*	*	*	**0.10**
Aug	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Sept	*	*	*	*	*	*	*	*	*	*	**<0.01**
Oct	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Nov	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Dec	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Annual[2)]	*	*	*	*	*	*	*	*	*	*	**1.00**

Table 3.31 Data completeness (Monthly)

2004	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC	Precip.
	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%TP	%PCL
Jan	--	--	--	--	--	--	--	--	--	--	--	--	--	**100**
Feb	--	--	--	--	--	--	--	--	--	--	--	--	--	**100**
Mar	--	--	--	--	--	--	--	--	--	--	--	--	--	**100**
Apr	0	0	0	0	0	0	0	0	0	0	100	100	100	100
May	0	0	0	0	0	0	0	0	0	0	**0**	**0**	**0**	100
June	0	0	0	0	0	0	0	0	0	0	**0**	**0**	**0**	100
July	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**100**	**100**	**100**	**100**
Aug	--	--	--	--	--	--	--	--	--	--	--	--	--	**100**
Sept	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**100**	**100**	**100**	**100**
Oct	--	--	--	--	--	--	--	--	--	--	--	--	--	**100**
Nov	--	--	--	--	--	--	--	--	--	--	--	--	--	**100**
Dec	--	--	--	--	--	--	--	--	--	--	--	--	--	**100**
Annual	0	0	0	0	0	0	0	0	0	0	**51**	**51**	**51**	**100**

- **Page 61-64, table 3.52-3.55**

  Some data of Kototabang and Vientian in are incorrect. The corrected figures are as follows.

Table 3.52 Annual precipitation and volume-weighted mean concentrations in 2004

Country	Name of sites	Code	Precip.	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC
			mm y^{-1}	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L	µmol/L		mS/m
	Kototabang	*ID 11014*	**2110.9**	**5.2**	**4.6**	**4.7**	**11.8**	**12.3**	**10.9**	**6.3**	**7.0**	**6.7**	**1.8**	**18.5**	**4.73**	**1.11**
Lao PDR	Vientian	*LA 11051*	**441.8**	***	***	***	***	***	***	***	***	***	***	2.3	5.65	2.65

Table 3.53 Annual deposition in 2004

Country	Name of sites	Code	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+
			mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$	mmol $m^{-2}y^{-1}$
	Kototabang	*ID 11014*	**11.0**	**9.66**	**9.94**	**24.8**	**25.9**	**23.0**	**13.2**	**14.7**	**14.2**	**3.76**	**39.0**
Lao PDR	Vientian	*LA 11051*	***	***	***	***	***	***	***	***	***	***	**1.00**

Table 3.54 Data completeness for annual summaries in 2004 (%PCL, %TP)

Country	Name of sites	Code	Precip.	SO_4^{2-}	nss-SO_4^{2-}	NO_3^-	Cl^-	NH_4^+	Na^+	K^+	Ca^{2+}	nss-Ca^{2+}	Mg^{2+}	H^+	pH	EC
			%	%	%	%	%	%	%	%	%	%	%	%	%	%
	Kototabang	*ID 11014*	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	100	100
Lao PDR	Vientian	*LA 11051*	**100**	0	0	0	0	0	0	0	0	0	0	**51**	**51**	**51**

Table 3.55 Results of ion balance and conductivity agreement check in 2004

Country	Name of sites	Code	Sample (N)	R_1 (N)	R_1 (AA)	%	R_2 (N)	R_2 (AA)	%	R_1&R_2 (N)	R_1&R_2 (AA)	%
	Kototabang	*ID 11014*	**45**	44	13	30	44	16	36	44	4	9
Lao PDR	Vientian	*LA 11051*	**23**	-	-	-	-	-	-	-	-	-

- **Page 65-89, table 3.56-3.80**

  Data of Xiaoping in 2001 are incorrect. The corrected figures are as follows.

Table No.	Correct	Error
Table 3.56	2681.5	4481.9
Table 3.57	18.3	17.4
Table 3.58	17.6	16.8
Table 3.59	18.7	18.3
Table 3.60	28.8	29.2
Table 3.61	33.2	31.4
Table 3.62	11.8	9.6
Table 3.63	4.2	2.9
Table 3.64	5.1	5.3
Table 3.65	4.9	5
Table 3.66	2.5	2.8
Table 3.67	12.6	12.4
Table 3.68	4.90	4.91
Table 3.69	1.44	1.42
Table 3.70	49.1	77.8
Table 3.71	47.2	75.2
Table 3.72	50.1	82.2
Table 3.73	77.3	131
Table 3.74	88.9	141
Table 3.75	31.7	11.3
Table 3.76	11.3	13.1
Table 3.77	13.8	23.5
Table 3.78	13.1	22.6
Table 3.79	6.77	12.4
Table 3.80	33.8	55.5

- **Page 65-89, table 3.56-3.80**

  Data of Kototabang in 2004 are incorrect. The corrected figures are as follows.

Table No.	Correct	Error
Table 3.56	2110.9	1621.0
Table 3.57	5.2	5.9
Table 3.58	4.6	5.2
Table 3.59	4.7	3.9
Table 3.60	11.8	11.5
Table 3.61	12.3	12.7
Table 3.62	10.9	11.8
Table 3.63	6.3	5.9
Table 3.64	7.0	7.5
Table 3.65	6.7	7.3
Table 3.66	1.8	1.4
Table 3.67	18.5	21.3
Table 3.68	4.73	4.67
Table 3.69	1.11	1.10
Table 3.70	11.0	9.53
Table 3.71	9.66	8.39
Table 3.72	9.94	6.39
Table 3.73	24.8	18.6
Table 3.74	25.9	20.6
Table 3.75	23.0	19.2
Table 3.76	13.2	9.49
Table 3.77	14.7	12.2
Table 3.78	14.2	11.8
Table 3.79	3.76	2.28
Table 3.80	39.0	34.5

- **Page 65,76,77,78,89, table 3.56,3.67,3.68,3.69,3.80**

  Data of Vientian in 2003 and 2004 are incorrect. The corrected figures are as follows.

Table No.	Correct	Error
Data 2004		
Table 3.56	441.8	284.6
Table 3.67	2.3	2.5
Table 3.68	5.65	5.60
Table 3.69	2.65	7.3
Table 3.80	1.00	0.72
Data 2003		
Table 3.69	2.07	20.7

- **Page 80, table 3.71**

  Data of Ulaanbaatar and Terelj in 2002 are incorrect. The corrected figures are as follows.

Name of sites	Correct	Error
Ulaanbaatar	4.34	3.54
Terelj	3.51	3.12

- **Page 121, 123, 125, 127, 136, 138, 140, 142, 144, 146 148,150 (table 4.3-4.6, table 4.13-4.20)**

  Data of Ha Noi are incorrect. Below are the corrected figures indicated by boldface.

(Table 4.3)

Ha Noi	Mean	1.5	0.7	5.5	4.8	4.0	**4.1**	**4.8**	1.8	1.4	2.5	**5.2**	**4.1**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	4.7	0.8	7.4	5.3	4.4	**4.4**	**7.5**	2.3	2.0	4.8	**7.4**	**4.8**
	Min-w	0.4	0.4	3.6	4.2	3.4	3.8	2.0	1.5	0.7	0.8	3.4	3.5

(Table 4.4)

Ha Noi	Mean	0.3	0.2	0.2	0.3	0.5	**0.6**	**0.7**	1.7	2.2	4.3	**3.9**	**3.2**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	0.9	0.6	0.4	0.6	0.6	**0.6**	**0.7**	2.7	3.7	6.1	**5.3**	**4.3**
	Min-w	N.D.	N.D.	N.D.	0.1	0.4	0.6	**0.7**	0.6	0.1	N.D.	2.9	2.0

(Table 4.5)

Ha Noi	Mean	0.9	0.5	2.1	1.7	1.3	**1.1**	**0.5**	1.2	1.6	3.4	**7.0**	**4.5**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	1.6	0.8	3.3	2.7	1.7	**1.2**	**0.6**	1.9	3.1	6.8	**8.2**	**5.9**
	Min-w	0.3	0.1	1.1	1.1	0.9	1.1	**0.5**	0.4	0.4	1.4	5.0	3.7

(Table 4.6)

Ha Noi	Mean	6.5	3.5	33.1	25.8	19.5	**18.9**	**15.3**	13.1	7.3	9.1	**8.0**	**6.8**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	16.0	4.2	43.4	34.1	20.8	**19.1**	**16.5**	35.6	17.5	15.8	**11.3**	**7.6**
	Min-w	2.8	2.8	20.3	22.1	17.8	18.7	14.0	4.2	1.3	3.4	6.3	6.1

(Table 4.13)

Ha Noi	Mean	14.93	13.51	12.82	8.44	7.15	**5.83**	**6.72**	16.50	31.33	38.57	**31.05**	**44.75**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	40.52	21.21	14.60	12.98	9.40	**6.00**	**6.86**	23.29	61.10	54.75	**41.84**	**54.82**
	Min-w	0.03	9.87	9.10	4.24	4.13	**5.67**	**6.58**	10.32	4.32	11.73	23.93	38.67

(Table 4.14)

Ha Noi	Mean	11.45	7.77	9.94	5.64	4.31	**1.95**	**2.83**	6.97	7.85	11.10	**13.79**	**21.30**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	36.16	11.62	12.05	8.52	6.82	**2.12**	**3.95**	9.03	22.88	19.75	**17.31**	**22.14**
	Min-w	0.32	5.30	6.48	2.41	2.18	1.78	1.71	5.02	1.76	7.77	8.29	20.85

(Table 4.15)

Ha Noi	Mean	1.32	1.15	1.46	0.55	0.84	**0.12**	**0.66**	1.50	1.12	2.28	**4.84**	**4.17**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	3.33	1.64	1.81	0.65	2.25	**0.13**	**0.88**	2.56	2.97	6.01	**10.05**	**4.83**
	Min-w	0.17	0.83	1.07	0.44	0.15	0.11	**0.44**	0.92	0.21	1.03	0.90	**2.91**

(Table 4.16)

Ha Noi	Mean	11.85	4.52	3.58	1.99	1.32	**1.46**	**0.26**	1.30	5.37	12.06	**7.35**	**8.53**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	46.35	7.30	4.05	3.12	2.54	**1.67**	**0.43**	2.50	11.55	14.85	**17.58**	**13.24**
	Min-w	0.25	3.47	3.25	0.44	0.72	1.25	0.10	0.34	0.58	7.30	0.57	4.34

(Table 4.17)

Ha Noi	Mean	0.47	0.71	0.96	0.28	1.41	**0.21**	**0.08**	0.34	0.23	0.51	**3.69**	**5.67**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	1.68	1.25	1.42	0.53	4.29	**0.25**	**0.10**	0.59	0.55	0.74	**7.60**	**10.61**
	Min-w	0.08	0.24	0.56	0.05	0.10	0.17	0.07	0.05	0.03	0.32	0.82	**2.09**

(Table 4.18)

Ha Noi	Mean	1.58	2.41	2.50	1.26	1.00	**0.96**	**0.58**	1.23	1.25	2.06	**4.97**	**3.01**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	3.11	3.79	2.96	1.97	1.69	**1.12**	**0.66**	1.89	2.03	2.28	**9.81**	**5.14**
	Min-w	0.12	1.59	1.59	0.44	0.13	0.80	**0.51**	0.25	0.10	1.88	1.08	1.48

(Table 4.19)

Ha Noi	Mean	0.32	0.58	0.66	0.28	0.34	**0.22**	**0.15**	0.34	0.44	0.44	**1.12**	**1.22**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	0.68	0.80	0.84	0.35	0.65	**0.23**	**0.25**	0.46	0.99	0.63	**1.71**	**1.53**
	Min-w	0.15	0.46	0.50	0.18	0.17	0.22	**0.05**	0.26	0.04	0.09	0.12	0.99

(Table 4.20)

Ha Noi	Mean	3.09	4.22	6.32	3.20	5.05	**3.15**	**2.88**	8.18	8.61	11.11	**19.64**	**15.50**
	%	100	100	100	100	100	**50**	**40**	100	100	100	**75**	**60**
	Max-w	8.26	6.54	7.54	4.25	9.74	**3.51**	**4.08**	12.68	17.52	16.34	**29.32**	**16.55**
	Min-w	0.22	2.25	3.59	1.77	3.18	2.79	**1.67**	0.40	0.56	7.94	8.24	13.82