

한국원자력연구원 부지 기상정보 종합해석
(2009년 보)

Overall Analysis of Meteorological Information in the KAERI Site
(2009 Annual Report)

KAERI

제 출 문

한국원자력연구원장 귀하

본 보고서를 “한국원자력연구원 부지 기상정보 종합해석 (2009년보)”에 대한 기술보고서로 제출합니다.

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과제명 : 원자력시설주변 환경방사선 평가

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요 약 문

I. 제 목

한국원자력연구원 부지 기상정보 종합해석 (2009년보)

II. 운영의 목적 및 필요성

방사성 물질을 취급하는 시설이 밀집되어 있는 우리 연구원 부지는 지형특성상 보다 상세한 기상관측을 필요로 한다. 단일 관측지점에서 수집되는 자료에 의존하여 방사성물질의 대기중 확산을 단순한 직선적 정규분포로 해석하는 모델은 복잡한 지형에서 일어나는 기상상태를 적절히 반영할 수 없다. 따라서, 입자의 궤적을 3차원 공간에서 추적하는 방법으로 시간과 공간에 따른 확산을 파악하는 수치 모델이 요구되며, 이를 위해서는 세밀한 관측자료가 필요하다.

원자력시설주변 환경방사선 평가 과제의 일환으로 연구원 부지내의 기상관측탑을 운영하며 기상관측과 분석을 수행하고 있으며, 이를 위한 실시간 관측자료의 처리, 무선전송 및 통계처리, 자료저장, 확산 및 피폭모델과의 온라인 구성 등에 있어, 새로운 개념의 합리적 운영을 시도함으로써 보다 신속하고 정확한 방사능확산 및 주민의 피폭예측이 가능하게 되었다. 기상탑의 점검 및 보수와 관측기기의 보수·유지는 정확한 관측자료의 확보를 위해 반드시 필요한 사항이며, 이는 전문가의 지속적인 점검과 보완을 필요로 한다.

III. 운영의 내용 및 실적

기상탑 운영과 관련하여 기상탑 유지·보수와 승강기 점검, 기상관측기기의 교정, 보수작업등을 수행하였다. 67 m, 27 m, 10 m 높이에서의 풍향, 풍속, 온도, 습도와 지표 상에서의 온도, 습도, 기압, 일사, 강우, 시정 등의 자료를 수집하였으며 수집된 자료를 통계처리하여 분석하였다. 관측된 기상자료는 수집, 분석되어져서 부지내 방사성 물질 배출시설별로 환경영향평가에 이용되며, 기상자료처리 시스템과 비상시 방사선피폭해석 시스템간의 온라인화로 사고시에는 신

속한 피폭평가에 이용할 수 있다. 이 자료는 “대덕원자력관련시설의 운영중 방사선환경영향평가” 과제의 수행을 통하여 하나로와 환경관리센터, 한국원전연료주식회사 등의 분기별 환경영향평가에 사용되었다.

IV. 운영결과 및 활용에 대한 건의

기상탑에서 수집된 자료는 무선 모뎀을 통하여 기상정보 처리 시스템에 전달되며 이는 정상가동 및 사고시 환경영향 평가 시스템과 on-line으로 연결되어 기상자료의 실시간 이용이 가능하도록 구성되어있다.

작은 구릉과 산으로 둘러싸인 대덕원자력단지 기상특성이 매우 복잡하게 나타나는 대표적인 지역이다. 따라서 원자력시설의 정상가동 및 비상사태에 대한 방사성 물질의 확산을 정확히 예측하기 위해서는 여러 곳의 고도별 기상관측이 동시에 시행되어야 한다. 한국원전연료주식회사에서 운영중인 보조기상탑의 관측자료를 실시간으로 수신하여 대덕단지의 종합기상망에 연계시켰으며 이 자료를 이용하여 사고시나 정상가동시에 보다 정확한 평가를 기대할 수 있을 것이다.



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SUMMARY

I. Project Title

Overall Analysis of Meteorological Information in the KAERI Site (2009 Annual Report)

II. Objective and Importance of the Project

Continuous measurement of detailed meteorological parameters is needed at several locations in the vicinity of the Daeduk nuclear site in order to assess the atmospheric diffusion of radioactive effluents realistically. A numerical diffusion model requiring such informations has been already developed and will be applied for more accurate assessment which can simulate time-dependent and 3-dimensional distribution of radioactive effluents. A classical straight-line Gaussian model using the one-point meteorological data can not consider the diffusion characteristics in such mountainous region.

Meteorological towers and related network have been operated to obtain the meteorological data necessary for rapid and accurate assessment of atmospheric diffusion of the radioactive effluents and exposure dose of the population. Those tower and network were designed with a well-organized concept in several aspects of site selection, tower structure, sensor installation, data acquisition system, wireless transmission of measured signal and real-time display of processed data, its storage, and everal interface with the computer model of diffusion and exposure. Deliberate maintenance with routine calibration by experts should be followed in order to assure the data quality, even if these systems were well established.

III. Scope and Contents of the Project

Inspection and repair of tower structure and lift, instrument calibration have been done. Wind direction, wind speed, temperature, and humidity have been measured at 67 m, 27 m and 10 m height, respectively and statistically analyzed. Temperature, humidity, atmospheric pressure, solar radiation, precipitation, and visibility have been measured at surface and analyzed with statistical methods. The results have been used to analysis the environmental effect of radiation for the "Estimation of Radiation Exposure Dose due to the Operation of Daeduk Nuclear Facilities" project.

IV. Results and Proposal for Applications

Daeduk site is a typical complex terrain surrounded with ridges and mountains. Vertical wind profiles should be measured in order to assess more accurately the atmospheric diffusion of radioactive effluents in an accident as well as in normal operation. Integrated MIPS has been established to meet these requirements, based on newly published guidelines concerning the meteorological measurement after TMI-2 accident in U. S. A.

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제 1 장 서 론

원자력시설의 가동에 따른 방사성물질의 환경 방출시 방사성물질의 대기중 확산, 이동, 침적 등의 실제 상황을 정확히 평가하기 위해서는, 면밀한 기상 감시망이 종합적으로 구성되고 자동화되어야 한다. 이는 1979년 TMI-2 원전사고 이전까지 운영 및 관리되던 고전적 기상감시 체제가 사고시 비상대응조치에 무용지물이 된 배경에서, 기상관측 및 방사성물질의 거동에 대한 감시 체제에 일대 변혁이 필수적인 것으로 인식되었다.

우리 연구원에서는 74.5 m 높이의 기상탑에서 67 m, 27 m, 10 m 3개 고도별 풍향, 풍속, 온도, 습도와 1.5 m에서의 온도, 습도, 노장에서의 기압, 일사량, 강우량, 시정 거리(visibility) 등의 기상 자료를 연속 측정하고 on-line으로 연결하여 전산 처리하고 있다. 기상탑에서 수집된 자료는 무선모뎀 (radio frequency MODEM)을 통하여 한국원자력연구원 제 3 연구동에 위치한 기상정보처리시스템 (MIPS: Meteorological Information Processing System)으로 전달되어 순간 및 평균 기상 측정치를 도시하면서 자료가 바로 컴퓨터에 저장되도록 구성되어 있다. 각 기상 요소 별로 연속 측정된 자료는 10분 단위로 평균하여 저장하며, 이들 자료를 적절한 algorithm으로 통계 처리하여 장기간 환경영향평가에 이용하게 된다. 또한 시간에 따른 변화량을 계속 display할 뿐 아니라, 측정 또는 송수신과정에서 발생하는 에러를 분석하고 이를 음성으로 경고해주는 기능도 갖추고 있다.

또한 한전원자력연료주식회사의 기상탑은 45 m 높이로 38 m, 10 m 2개 고도에서 관측을 수행하며, 관측자료는 모뎀을 통해 수신되어 데이터베이스에 통합 저장되고 있다. 이 자료들은 “대덕원자력관련시설의 운영중 방사선환경영향평가” 과제의 수행을 통하여 하나로와 환경관리센터, 한국원전연료주식회사의 분기별 환경영향평가에 사용되었다.

제 2 장 본 론

제 1 절 운영내용 및 방법

1. 기상관측시스템의 구성

기상관측시스템은 위치에 따라 기상탑, 노장, 기상관측실, 기상자료처리실로 구분할 수 있다. 기상자료를 수집하고 분석하는 DAS (Data Acquisition System)는 기상탑과 노장에 설치된 기상관측기기 (sensor)와 신호변환기 (signal converter), 기상관측실의 자료수집기 (data logger), 기상자료처리실의 기상자료저장 컴퓨터로 구성된다. 풍향, 풍속, 온도, 습도, 기압, 일사, 강우, 시정 등을 측정하는 기상관측기기는 미세한 기상상태의 변화를 전압 또는 전류나 저항의 변화로 출력하므로 이 값을 원거리까지 전송하려면 신호를 증폭하여 잡음에 의한 오차를 최소화하여야 한다. 따라서, 각 관측높이마다 신호변환기를 두어 관측기기로부터 측정된 미세한 신호를 증폭하고 표준화한 다음 이를 자료수집기로 보낸다. 이 전기적 신호는 적절한 변환을 거쳐 수치화되고 이를 취합하여 기본 관측자료를 만든다. 자료수집기는 수집된 관측자료를 2초 간격으로 무선 송신함과 동시에 자료수집기에 저장하여 만약에 있을지도 모르는 통신장애에도 자료를 손실하는 일이 없도록 설계되어 있고, 기상자료저장 컴퓨터의 호출시에 저장된 관측자료를 송신하는 기능도 갖추고 있다. 그림 1에 기상관측시스템의 구성도를 실었다.

가. 기상탑

기상탑은 한국원자력연구원 부지 서편 언덕에 설치된 높이 74.5 m의 지선식 첩탑으로 중앙에 인화물용 리프트가 설치되어있고 탑의 상단과 27 m 지점에 항공유도등이 설치되어 있다.

기상탑의 높이 67 m, 27 m, 10 m에 부착된 길이 5.2 m의 arm에 풍향, 풍속, 온도, 습도 센서가 각각 설치되어 있으며, 해당고도에 신호변환기가 설치되어 센서로부터 측정된 신호를 변환 또는 증폭하여 기상관측실로 전송한다.

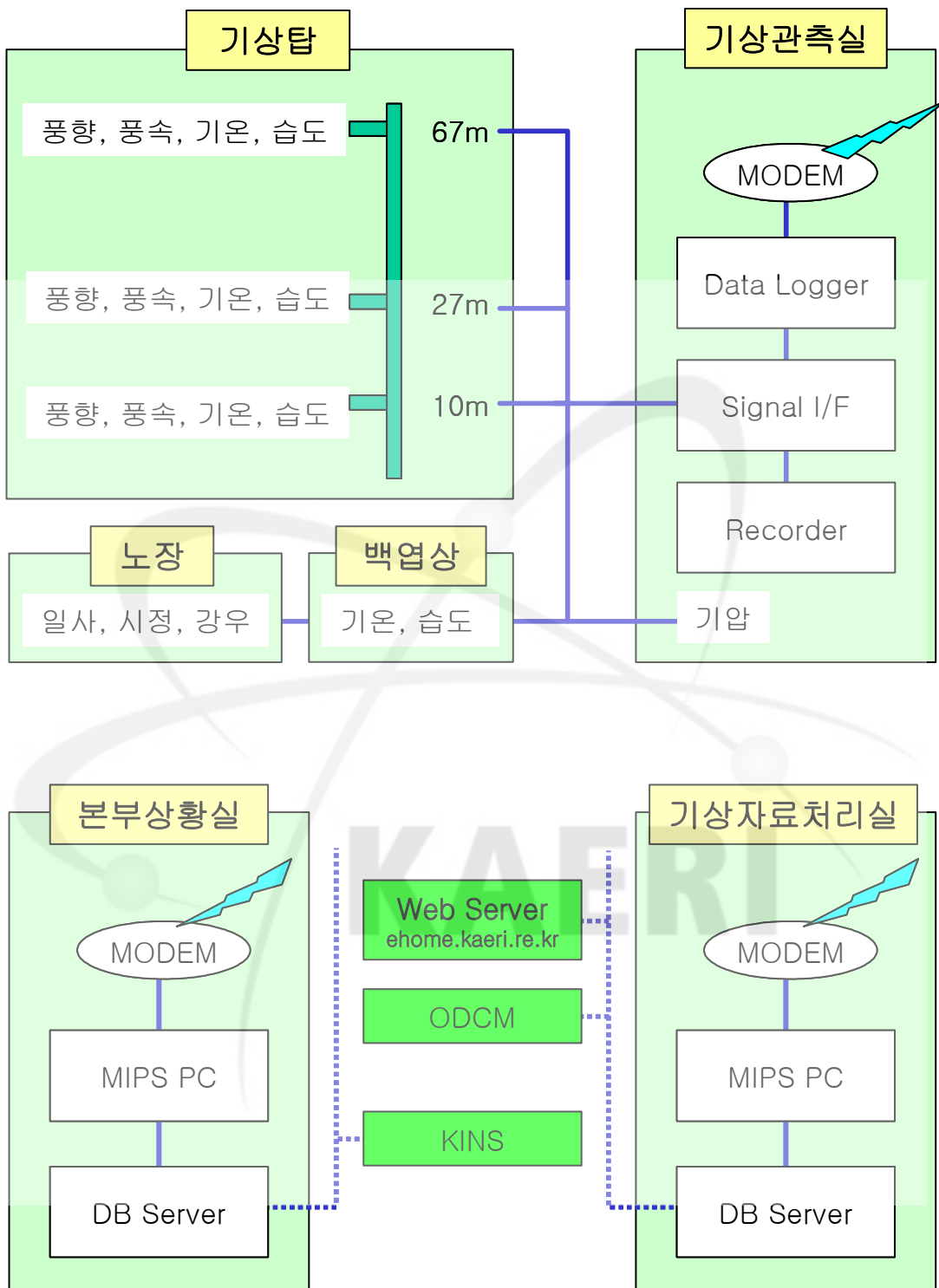


그림 1. 기상관측 계통도

(Schematic diagram of meteorological observation system)

(1) 풍향계

- 센서형태 : counter balanced tail
- 측정범위 : 0 ~ 360 도
- 정 밀 도 : ± 2 도, 기동풍속 : 0.22 m/sec

풍향의 변화에 따라 회전하는 vane의 끝부분에 5 k Ω 정도의 가변저항 (potentiometer)이 연결되어 있으며 여기에 5 VDC의 전압을 걸어준다. Vane이 가리키는 방향에 따라 저항값이 변화하면 출력전압도 비례하여 변화하며 이를 풍향으로 환산한다.

(2) 풍속계

- 센서형태 : 3-cup assembly
- 측정범위 : 0 ~ 45 m/sec
- 정 밀 도 : ± 0.066 m/sec 또는 ± 1 %, 기동풍속 : 0.22 m/sec

3 개의 컵으로 구성된 3-cup assembly가 직류발전기와 연결되어 있으며 cup의 회전에 의해 직류 전압이 발생되면 이를 변환하여 풍속을 측정한다.

(3) 온도계

- 센서형태 : 0 $^{\circ}\text{C}$ 에서 100 Ω 의 저항을 가진 백금 4선 RTD
- 측정범위 : -50 $^{\circ}\text{C}$ ~ +50 $^{\circ}\text{C}$
- 정 밀 도 : ± 0.1 $^{\circ}\text{C}$

온도의 변화에 따라 순수 금속의 전기저항값이 변하는 원리를 이용한 것으로 선형상관관계가 뛰어나고 안정성과 감응성이 좋고 부식되지 않는 백금저항체를 사용한다. 유도저항오차를 최대한 보상하기 위하여 4 선 설계방식으로 되어 있으며 수감부는 JIS C 1604-1981 규격에 따른다.

(4) 습도계

- 센서형태 : thin-film capacitor
- 측정범위 : 0 ~ 100 %RH
- 정 밀 도 : 0 ~ 80 %RH에서 ± 2 %, 80 ~ 100 %RH에서 ± 3 %

유리위에 덮여진 얇은 막의 정전용량이 습도에 따라 변화하는 것을 이용하여 이를 전압의 변화로 출력한다.

(5) Radiation shield

온도계와 습도계는 직달일사로 인해 오동작하는 것을 방지하기 위하여 백색으로 칠하여진 radiation shield 내에 설치되며 외부의 공기를 흡입하기 위한 송풍팬이 설치되어 있다.

(6) 신호변환기

잡음의 영향을 최소화하기 위하여 각 센서로부터 전송되어 온 신호를 변환 또는 증폭한 후 data logger로 전송하는 것으로 기상탑의 arm 옆과 백엽상, 기상자료관측실 내에 각각 설치되어 있다. 풍향계와 온도계의 저항값, 풍속계와 습도계의 직류전압 등을 모두 0 ~ 10 V의 직류전압으로 증폭하고 표준화하며 이에 대한 각 센서의 공학단위는 다음과 같다.

- 풍향 : 0 ~ 540 도
- 풍속 : 0 ~ 60 m/sec
- 온도 : -50 ~ 50 °C
- 습도 : 0 ~ 100 %RH

나. 노장

노장은 기상관측 설비가 설치된 개방된 장소로서 기상탑 부근을 지칭한다. 노장에는 백엽상, 강우계, 일사계, 시정계가 설치되어 있다.

(1) 백엽상

일반적인 기상관측 표준고도인 1.5m에서 온도와 습도를 측정하기 위한 온도계, 습도계, 신호변환기가 설치되어 있다.

(2) 강우계

- 센서형태 : tipping bucket rain gauge
- 해상도 : 0.1 mm
- 정밀도 : 12.7 mm/hr에서 ± 0.5 %

원통 안에 모여진 빗물이 흘러내려 작은 그릇을 채우면 시소와 같이 움직이면서 빗물을 버리게 되는데 이때 전기적인 펄스를 발생한다. 이 펄스의 수를 세어서 강우량을 측정한다. 강설의 경우에는 내부에 설치된 히터가 눈을 녹여 물로

변화시킨 양으로 측정한다.

(3) 일사계

- 센서형태 : silicon photovoltaic cell
- 측정범위 : 0 ~ 1500 W/m²
- 정밀도 : ±50 mV/(W/m²)

실리콘 광전지에 0.35 ~ 1.15μm의 태양빛이 쬐면 전기가 발생되며 이를 측정하여 일사량으로 환산한다.

(4) 시정계

- 형태 : infrared LED, PIN photodiode
- 측정범위 : MOR (meteorological optical range) 10 m ~ 20 km
- 정밀도 : ±10 % (10 m ~ 10 km), ±15 % (10 km ~ 20 km)

광 다이오드에서 발산한 빛은 대기 중의 수증기나 먼지 등에 의해 소산되는데, 이를 반대쪽에 약간 비껴있는 수감부에서 측정함으로써 소산된 빛의 양으로부터 시정거리를 계산한다.

다. 기상관측실

기상관측실에는 기압계 센서와 signal interface, data logger, analog recorder, RF MODEM, UPS 등이 설치되어 있다.

(1) 기압계

- 센서형태 : 압전 소자
- 측정범위 : 600 ~ 1100 hPa
- 정밀도 : ±0.08 %

기압의 변화를 압전소자가 감지하여 이를 전압의 변화로 출력한다.

(2) Signal Interface

기상탑의 신호변환기와 노장에 설치된 센서로부터 전송된 전기적 신호를 자료수집기와 analog recorder에 분배하는 역할을 한다. 또한, 낙뢰 등으로 인해 발생된 과전압이 신호변환기나 RF MODEM을 통하여 자료수집기로 유입되는 경로를 차단하기 위한 surge protector가 각 채널 별로 설치되어 있다.

(3) 자료수집기

자료수집기는 신호변환기를 통하여 전송되어 온 아날로그 신호 (풍향, 풍속, 온도, 습도)와 노장에 설치된 관측기기 (일사, 기압, 강수)의 신호를 디지털 신호로 변환하여 데이터를 저장하고 2개의 통신포트를 통하여 자료를 송수신하는 기본동작을 한다. 시정계는 자체 CPU에서 측정값을 디지털 신호로 변환하므로 통신포트를 이용하여 자료수집기에 전송한다.

자료수집기는 다음 제원을 가진 data acquisition board 2 장을 장착한 PC로 구성되어 있다.

- Data Acquisition Board : DaqBoard 2000 (PCI)
- Speed : 200 kHz
- A/D Conversion : 16 Single Ended
Resolution : 16 bit, 5 μ sec
- D/A output : 2 Ch.
Resolution : 16 bit, 10 μ sec max.
- Counter : 4 Ch.
Resolution : 16 bit

(4) Analog recorder

자료수집기의 고장 및 운영중단으로 인한 결측에 대비해 중요 채널에 대해 analog recorder를 설치하여 운영한다. 풍향, 풍속, 온도에 대해 각각 1 대씩의 3채널 레코더를 부착하여 3 개 측정높이에서의 관측값을 기록한다. 습도 및 기타 기상자료는 다채널 레코더에 함께 기록한다.

(5) RF MODEM

기상탑으로부터 기상자료처리시스템이 있는 3연구동까지의 자료 전송에는 RF MODEM (RATA 20U)을 사용하는데 주파수는 465.1MHz, 공중선 전력은 2W이며, 체신청으로부터 2개의 무선국허가를 받아 운영하고 있다. 자료수집기의 serial port에 RS232-C로 연결되어 4800 bps로 통신한다.

(6) UPS

전원 상실 시에도 기상관측실에 안정된 전원을 공급해 주는 기기로 최대출력전력은 3 KVA, 정전보상시간은 24 시간 이상이다.

라. 기상자료 처리실

기상관측실의 data logger로부터 RF MODEM을 통해 전송된 기상자료를 수신하여 모니터에 표시하고 데이터베이스 서버에 입력하는 기상자료처리용 PC가 설치되어 있다. 기상자료처리용 PC의 사양은 data logger의 사양에 준한다.

데이터베이스 서버는 기상자료처리용 PC와 네트워크로 연결되며 웹서비스를 통해 연구원 내에 실시간 측정자료를 제공한다. 데이터베이스 서버는 다음과 같은 사양으로 구성되어 있다.

- CPU : Intel Pentium Xeon Processor x 2
- 메모리 : 512 MB
- 운영체제 : Microsoft Windows Server 2000
- DBMS : Microsoft SQL 2000

2. 기상관측

가. 기상관측자료의 수집 및 기록

기상관측기에서 측정된 자료는 신호변환기를 거쳐 기상탑 바로 밑에 설치된 자료수집실 (Data Acquisition System Room)로 전송된다. 자료수집실에는 자료를 수집하여 처리하는 자료수집기와 자료를 기록하기 위한 레코더가 설치되어 있다.

자료의 기록은 자료수집기가 디지털로 변환하여 파일로 저장하는 것 이외에 아날로그 기록장치로 레코더를 사용하고 있다. 풍향, 풍속, 온도, 습도, 일사, 기압, 강우, 시정 등을 기록하는 레코더는 연속 스트립 차트형을 사용하고 있다.

확률론적 사고에 의한 환경영향을 평가하기 위해서는 1년간의 시간당 기상자료가 요구된다. 하나로의 가동으로 인한 환경영향을 평가하기 위해 풍향, 풍속 및 대기안정도에 따른 기상군별 발생빈도횟수와 냉각탑에 의해 발생하는 안개와 아이싱(icing)의 정도 및 발생횟수를 나타내는 상대습도 자료가 요구된다. 한편 사고시 실시간 피폭해석을 위해서는 순간 관측치 및 10분 평균치의 기상자료가 계속 입력되어야 한다.

(1) 기상자료 수집

자료수집 프로그램 (mDAS, Meteorological Data Acquisition System)은 각 채널을 연속 스캔하여 매 초마다 순간값을 표시하며 2 초에 한번씩 순간값을 무선으로 전송한다. 10 분마다 평균값을 계산하여 data logger 자체에 저장하고 무선으로 전송한다. 전송 장애 등으로 인해 결측이 발생하면 기상자료처리실의 MIPS 프로그램에서 재전송을 요청하게 되고 요청에 따라 10 분 평균값을 전송한다. 매일 1 회씩 MIPS 프로그램으로부터 전송된 신호에 따라 표준시간에 동기시킨다.

(2) 기상자료 수신/저장

기상자료처리 프로그램 (MIPS, Meteorological Information Processing System)은 무선 전송된 기상자료를 수신하여 모니터에 표시하고 10분 평균자료는 해당 PC에 ASCII 파일로 저장하며 동시에 데이터베이스에도 저장한다. 매일 자정 이후에 전 일의 기상자료를 점검하여 결측자료를 재전송해 줄 것을 mDAS 프로그램에 요청한다. 매일 1 회씩 시스템 시간을 표준시간에 동기시키며 mDAS 프로그램에도 시간동기신호를 보낸다.

측정된 자료의 건전성을 확인하기 위하여 일반환경에서 발생할 수 있는 각 채널의 최소값, 최대값 등을 기준으로 입력신호를 감시하고 있으며 이상치라고 판단될 때에는 해당 항목의 색상을 변화시켜 경고한다.

나. 기상관측자료 분석

방사성물질에 의한 환경영향 평가를 위해 기본적으로 기상자료는 1시간당 평균된 자료가 요구된다. 적어도 매 시간동안 10분 연속자료가 시간당 평균을 나타내기 위해 사용된다. 강우량은 적산(cumulative) 기준으로 1시간당 자료가 요구된다. 이들 기상관측자료는 매달 한번씩 각 측정고도에 대해, 7개 대기안정도별 16개 풍향별, 12개 풍속등급별 기상군의 발생빈도가 전산 프로그램에 의해 분석된다.

10분 동안 관측된 자료는 모아져서 10분 평균 풍속으로 저장된다. 풍속은 통계적으로 합성풍과 최빈값(mode)을 많이 사용한다. 합성풍은 순간 바람의 벡터를 x, y 성분으로 나누어 평균을 구한 후 다시 합성하는 것으로 다음 식[1]을 사

용한다.

$$\begin{aligned}\bar{u} &= \frac{u_1 + u_2 + \dots + u_n}{n} \\ \bar{v} &= \frac{v_1 + v_2 + \dots + v_n}{n} \\ \bar{U} &= \sqrt{\bar{u}^2 + \bar{v}^2}\end{aligned}$$

여기서, u: 바람의 x 성분,

v: 바람의 y 성분

최빈값은 10분 동안 가장 많은 빈도를 갖는 주풍향(prevaling wind direction)을 택하는 방법인데, 여기서는 합성풍을 계산하여 평균풍향과 표준편차를 구하는데 사용하였다.

대기안정도는 표 1에 따라 기온감률에 의해 산출하는 것을 기본으로 하나 자료가 부족한 경우에는 10분간 풍향의 표준편차 (σ_θ)로 구한 값을 사용할 수도 있다. 기온감률은 10 m와 67 m에서 측정한 평균온도를 이용하여 다음과 같이 구한다.

$$\frac{\Delta T}{\Delta z} (\text{°C}/100\text{m}) = (T_{67} - T_{10}) \frac{100}{(67 - 10)}$$

표 2에 풍향의 표준편차와 대기안정도의 관계를 나타내었다.

풍속 및 온도, 습도, 일사, 시정, 기압 등은 단순히 순간값을 10분 동안 산술평균하여 사용한다. 단, 시정거리가 1km이하일 경우에는 안개로 정의하며[2] 안개 발생시간을 계산한다.

기상자료 통계처리프로그램 (MetView.exe)은 데이터베이스에 저장된 평균값을 열람하고 각종 통계작업을 수행하는 프로그램이다. 이 프로그램은 이상자료를 걸러내고 검교정기간 등의 비정상 자료를 걸측으로 처리할 수 있게 하며 환경영향평가에 사용하는 joint frequency distribution을 계산한다. 아울러 최대, 최소, 평균값 계산 등 일반적인 통계작업을 수행한다.

Joint frequency distribution은 매일의 통계자료를 바탕으로 연간, 분기까지 1년간, 또는 임의의 기간에 대해 계산할 수 있다.

표 1. 기온감률에 따른 대기안정도

(Classification of atmospheric stability with the difference of vertical temperature).

Stability Classification	Pasquill Categories	$\Delta T/\Delta z$ ($^{\circ}\text{C}/100\text{m}$)
Extremely unstable	A	$\Delta T/\Delta z \leq -1.9$
Moderately unstable	B	$-1.9 < \Delta T/\Delta z \leq -1.7$
Slightly unstable	C	$-1.7 < \Delta T/\Delta z \leq -1.5$
Neutral	D	$-1.5 < \Delta T/\Delta z \leq -0.5$
Slightly stable	E	$-0.5 < \Delta T/\Delta z \leq 1.5$
Moderately stable	F	$1.5 < \Delta T/\Delta z \leq 4.0$
Extremely stable	G	$4.0 < \Delta T/\Delta z$

표 2. 풍향의 표준편차에 따른 대기안정도

(Classification of atmospheric stability with the standard deviation of wind direction).

Stability Classification	Pasquill Categories	σ_{θ} (degree)
Extremely unstable	A	$\sigma_{\theta} \geq 22.5$
Moderately unstable	B	$22.5 > \sigma_{\theta} \geq 17.5$
Slightly unstable	C	$17.5 > \sigma_{\theta} \geq 12.5$
Neutral	D	$12.5 > \sigma_{\theta} \geq 7.5$
Slightly stable	E	$7.5 > \sigma_{\theta} \geq 3.8$
Moderately stable	F	$3.8 > \sigma_{\theta} \geq 2.1$
Extremely stable	G	$2.1 > \sigma_{\theta}$

3. 점검 및 유지관리

가. 관측기기의 점검 및 유지관리

(1) 일일 점검

기상자료처리실의 모니터에 나타나는 기상자료의 순간값이 2 초마다 수신되는지를 매일 오전에 확인하여 운영상태를 점검한다. 기상자료의 건전성을 점검하기 위하여 수신상태 점검시 MIPS 프로그램의 경고 상태와 에러로그 기록을 확인한다. 자료 저장상태를 점검하여 누락된 자료는 다시 호출한다.

(2) 주간 점검

기상관측실 내 각종설비의 이상 유무를 점검하여 운영일지에 기록한다.

(3) 월간 점검

한달에 한번 MIPS 프로그램에서 자료수집상태를 점검하고 결측자료는 재전송을 요청한다.

(4) 6개월 주기 점검

6개월마다 기상장비를 교정할 때 센서 및 기타 설비의 건전성을 확인하기 위한 점검을 실시한다.

나. 승강기 점검 및 유지관리

2 개월마다 승강기의 안전운행을 위해 다음 항목에 대한 점검을 실시하여 오일, 부품을 점검 및 교환한다. 또한, 승강기는 짐을 싣지 않은 상태에서 6 개월마다, 짐을 실은 상태에서 1 년마다 낙하시험을 하여 주기적인 안전점검을 받아야한다.

- 공급전압
- 운전전류
- 리미트 스위치의 작동상태 또는 이상 유무
- 기아 박스
- 모터와 브레이크
- Safety Device
- 운전용 스위치

- 비상정지 스위치

다. 기상탑 점검 및 유지관리

기상탑은 1 년에 1 회 볼트의 조임새나 지선의 장력 등을 전문업체에 의뢰하여 점검받아야 한다. 기상탑의 주요 점검항목은 다음과 같다.

- 지선
- 항공유도등
- 기상탑 구조물
- 피뢰침
- 접지상태



4. 기상관측기기 교정

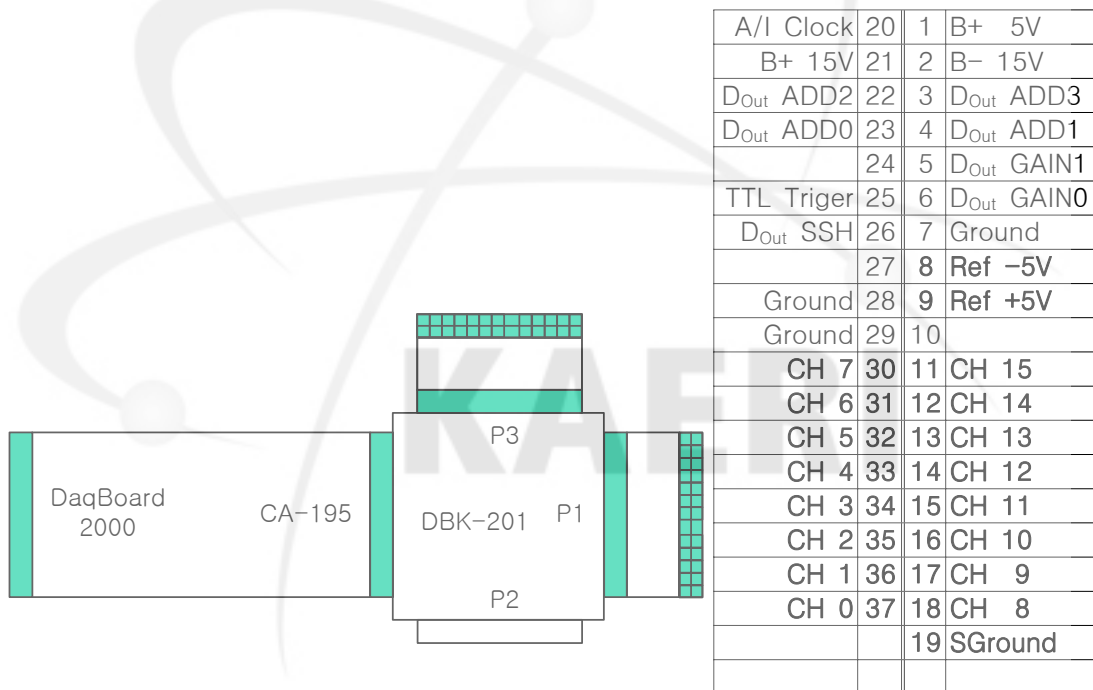
가. 자료수집기 교정

(1) 준비물

- (가) X88 Calibrator
- (나) CA-195 cable, DBK201 adaptor, calibration gender
- (다) S/W: DaqCal32.exe, DaqView.exe 또는 로거 프로그램

(2) 연결

- (가) DaqBoard에 CA-195 cable과 DBK201을 연결하고 P1에 calibration gender를 연결한다.



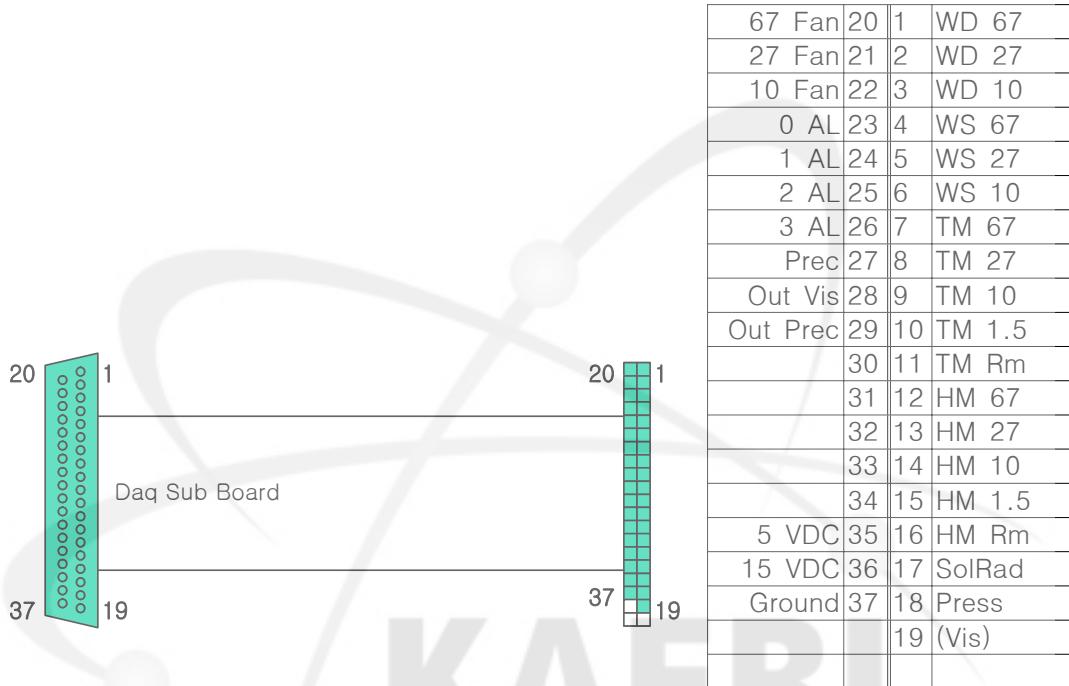
(3) 교정

- (가) DaqCal.exe를 실행시키고 Select Device => Properties에서 D/A board의 S/N 을 확인한다 (DaqBoard2K_0 또는 DaqBoard2K_1).
- (나) Check Options에서 다음의 항목을 체크하여 화면의 안내에 따라 수행한다.
 - System Positive Reference D/A

- System Negative Reference D/A
- Channel Offset A/D (Single Ended)
- Channel Gain A/D (Single Ended)

(4) 교정 결과 확인

(가) DaqBoard와 연결된 sub board에 40 pin cable을 연결한다.



(나) 각 채널에 0 ~ 10 VDC를 인가하여 DaqView.exe나 mDAS.exe 프로그램에 표시되는 수치를 기록한다.

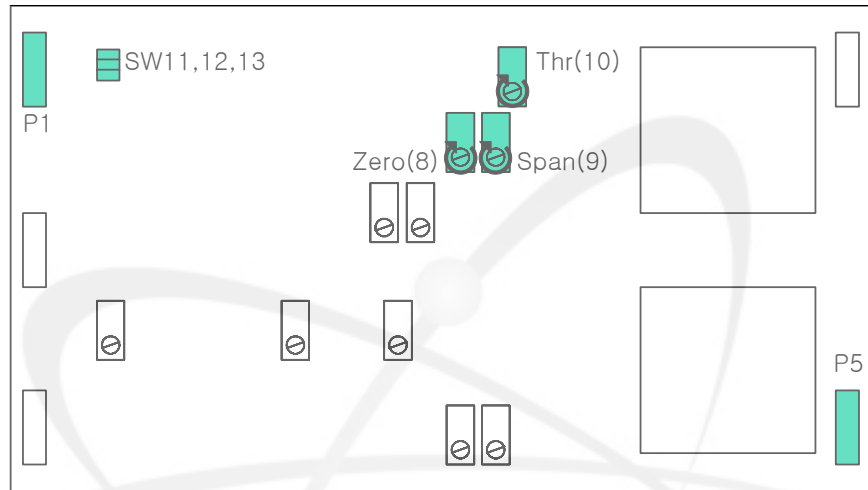
(다) 표시값을 확인하여 오차가 0.010 VDC 이상이면 다시 교정을 하거나 A/D board를 교체한다.

나. 신호변환기 교정

(1) 준비물

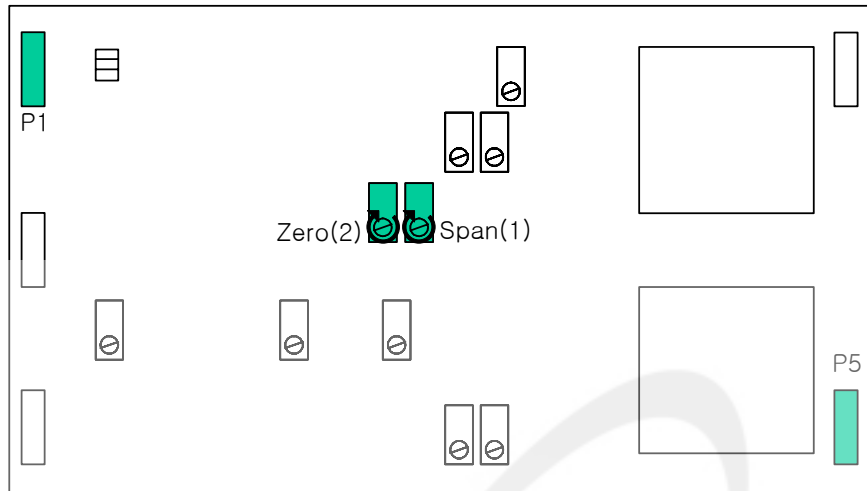
- (가) X88 Calibrator, decade resistance box
- (나) S/W: DaqView.exe 또는 로거 프로그램

(2) 풍향계 부분



- (가) P1의 D(+)와 F(-) 사이의 전압을 측정한다. 5 VDC \pm 10 % 이내가 정상이다.
- (나) SW11을 점퍼 연결하고 P5의 A(+)와 B(-)에 전압계를 연결한다.
- (다) P1의 E와 F를 연결하고 zero(8)를 조정해서 0.000 VDC로 맞춘다.
- (라) P1의 D와 E를 연결하고 span(9)을 조정해서 6.667 VDC로 맞춘다.
- (마) 2 회 이상 반복하여 오차가 \pm 0.010 VDC 이하가 되도록 조정한다.
- (바) P1의 E와 F를 연결하고 SW12를 점퍼로 연결한 다음 threshold (VR10)를 조정해서 6.667 VDC로 맞춘다.
- (사) SW13을 점퍼로 연결하여 정상 동작 상태로 설정한다.

(3) 풍속계 부분



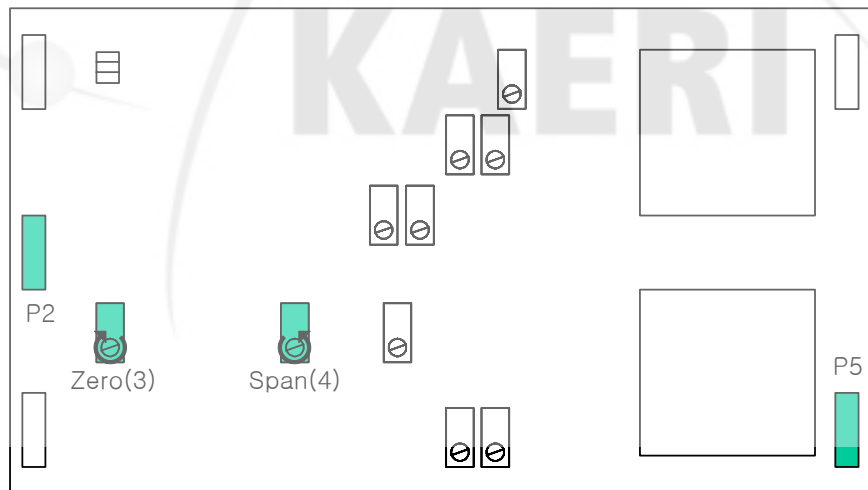
(가) P1의 C(+)와 F(-)에 전압교정기를, P5의 B(+)와 F(-)에 전압계를 연결한다.

(나) P1에 0.000 VDC를 주고 zero(2)를 조정해서 0.000 VDC로 맞춘다.

(다) P1에 0.767 VDC를 주고 span(1)을 조정해서 7.450 VDC로 맞춘다.

(라) 2 회 이상 반복하여 오차가 ± 0.010 VDC 이하가 되도록 조정한다.

(4) 온도계 부분



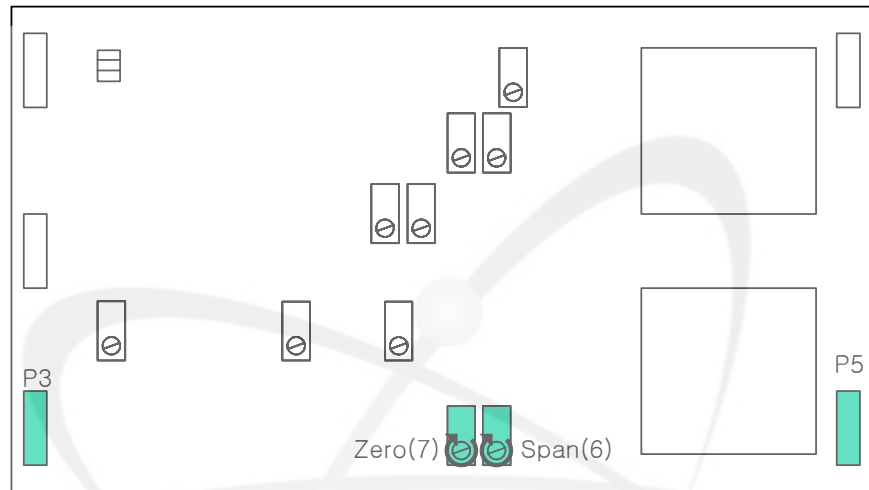
(가) P2의 B, C, D, E에 decade resistance box를, P5의 C(+)와 F(-)에 전압계를 연결한다.

(나) P2에 79.959 Ω 을 주고 zero(3)를 조정해서 0.000 VDC로 맞춘다.

(다) P2에 119.731 Ω 을 주고 span(4)을 조정해서 10.000 VDC로 맞춘다.

- (라) 2 회 이상 반복하여 오차가 ± 0.010 VDC 이하가 되도록 조정한다.
- (마) P2에 79.959, 83.992, 88.013, 92.021, 96.017, 100.000, 103.971, 107.930, 111.876, 115.810, 119.731 옴을 각각 주었을 때 P5의 전압과 로거의 표시값을 기록한다.

(5) 습도계 부분



- (가) P3의 C(+)와 D(-)에 전압조정기를, P5의 D(+)와 F(-)에 전압계를 연결한다.
- (나) P3에 0.000 VDC를 주고 zero(7)를 조정해서 0.000 VDC로 맞춘다.
- (다) P3에 0.100 VDC를 주고 span(6)을 조정해서 10.000 VDC로 맞춘다.
- (라) 2 회 이상 반복하여 오차가 ± 0.010 VDC 이하가 되도록 조정한다.

다. 센서 교정

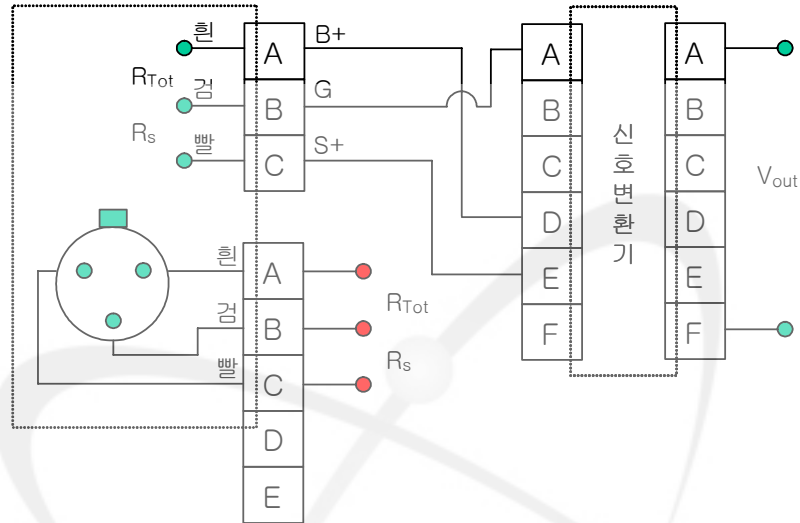
(1) 준비물

- (가) Wind Direction Calibration Fixture
- (나) Wind Speed Calibrator
- (다) 저풍속 교정용 정속모터, CA-195 cable, DBK201 adaptor, calibration gender
- (라) Humidity Calibration Chamber
- (마) Precipitation Gage Calibrator, 증류수 855 g x 4
- (바) Visibility Calibration Kit

(사) 교정된 신호변환기

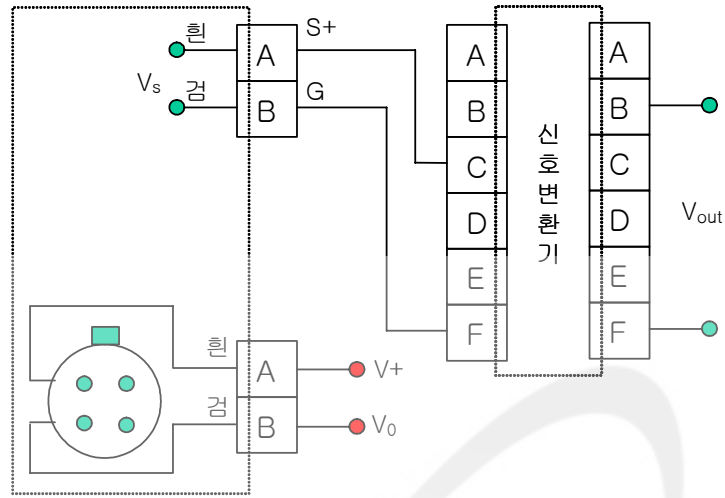
(아) S/W: DaqView.exe 또는 로거 프로그램, WSpdCalib.exe,
HumCalib.exe

(2) 풍향계 교정



- (가) A(흰색)-B(검정)의 저항(R_{Tot})을 측정한다 (약 $5\text{ k}\Omega$ 정도가 정상).
- (나) 신호변환기에 연결하여 A(+)-B(-)에 5 VDC를 주고 신호변환기 출력 A(+)-F(-) 간의 전압을 측정할 수 있도록 연결한다.
- (다) 보정장치 (Wind Direction Calibration Fixture)를 몸체에 부착한다.
- (라) 회전체를 돌려 전압이 3.333 VDC가 되는 곳에서 고정시키고 180 도 회전시켜 몸체와 회전체의 눈금이 일치하는가를 확인한다.
- (라-1) 일치하지 않을 경우 밑면을 풀고 몸체와 회전체의 눈금을 일치시킨 후 180 도 회전시켜 보정장치를 고정한다.
- (라-2) 몸체의 저항을 회전시켜 3.333 VDC가 되는 곳에서 고정시킨다.
- (마) 보정장치를 고정시킨 후 90 도씩 회전시키면서 신호변환기의 출력 전압을 읽는다.
- (바) 측정값이 기준값과 $\pm 5\%$ 이상 차이가 나면 센서를 교체한다.

(3) 풍속계 교정



DBK-201 (P1)				DBK-201 (P3)			
A/I Clock	20	1	B+ 5V	B+ 5V	20	1	
B+ 15V	21	2	B- 15V	A _{out} Clock	21	2	
D _{Out} ADD2	22	3	D _{Out} ADD3	Digital 15	22	3	Digital 7
D _{Out} ADD0	23	4	D _{Out} ADD1	Digital 14	23	4	Digital 6
	24	5	D _{Out} GAIN1	Digital 13	24	5	Digital 5
TTL Triger	25	6	D _{Out} GAIN0	Digital 12	25	6	Digital 4
D _{Out} SSH	26	7	Ground	Digital 11	26	7	Digital 3
	27	8	Ref -5V	Digital 10	27	8	Digital 2
Ground	28	9	Ref +5V	Digital 9	28	9	Digital 1
Ground	29	10		Digital 8	29	10	Digital 0
CH 7	30	11	CH 15		30	11	DGround
CH 6	31	12	CH 14	A _{out} DAC3	31	12	Exp. 2
CH 5	32	13	CH 13	A _{out} DAC2	32	13	Exp. 3
CH 4	33	14	CH 12	A _{out} DAC1	33	14	Exp. 4
CH 3	34	15	CH 11	A _{out} DAC0	34	15	Timer 0
CH 2	35	16	CH 10	Counter 3	35	16	Timer 1
CH 1	36	17	CH 9	Counter 1	36	17	Counter 2
CH 0	37	18	CH 8	B- 15V	37	18	Counter 0
		19	SGround			19	B+ 15V

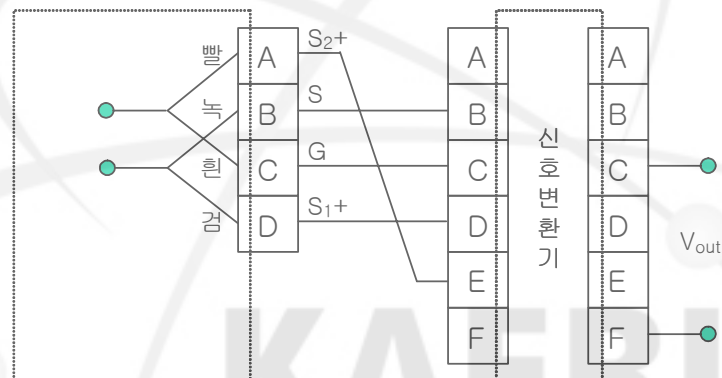
(가) 회전체를 분리한 후 몸체에 풍속교정기 (Wind Speed Calibrator)를 부착한다.

(나) A(흰색: +) - B(검정: -) 간의 전압을 측정할 수 있도록 DBK201(P1)의 CH 0와 SGround에 각각 연결한다.

(다) 풍속교정기의 스위치를 위로 올려 전압을 측정한다 (700 mVDC 내외).

- (라) 2분간 측정된 값을 평균하여 mDAS 프로그램의 풍속보정계수로 입력한다.
- (마) 저풍속 교정장치를 몸체에 연결한 후 DBK201(P3)의 Counter 0와 SGround에 회전수를 측정할 수 있도록 연결한다.
- (바) 회전수를 60 rpm이 되도록 맞추고 WSpdCalib.exe 프로그램을 이용하여 2분간 측정된 값을 평균하여 기록한다.
- (사) 회전수 120, 240, 360, 520 rpm에 대해 각각 위의 절차를 반복한다.
- (아) 각 회전수에 상응하는 풍속을 기준하여 ± 0.2 m/sec (풍속이 2 m/sec 이하일 때), 또는 ± 10 % 이상 차이가 나면 위의 절차를 다시 수행하거나 센서를 교체한다.

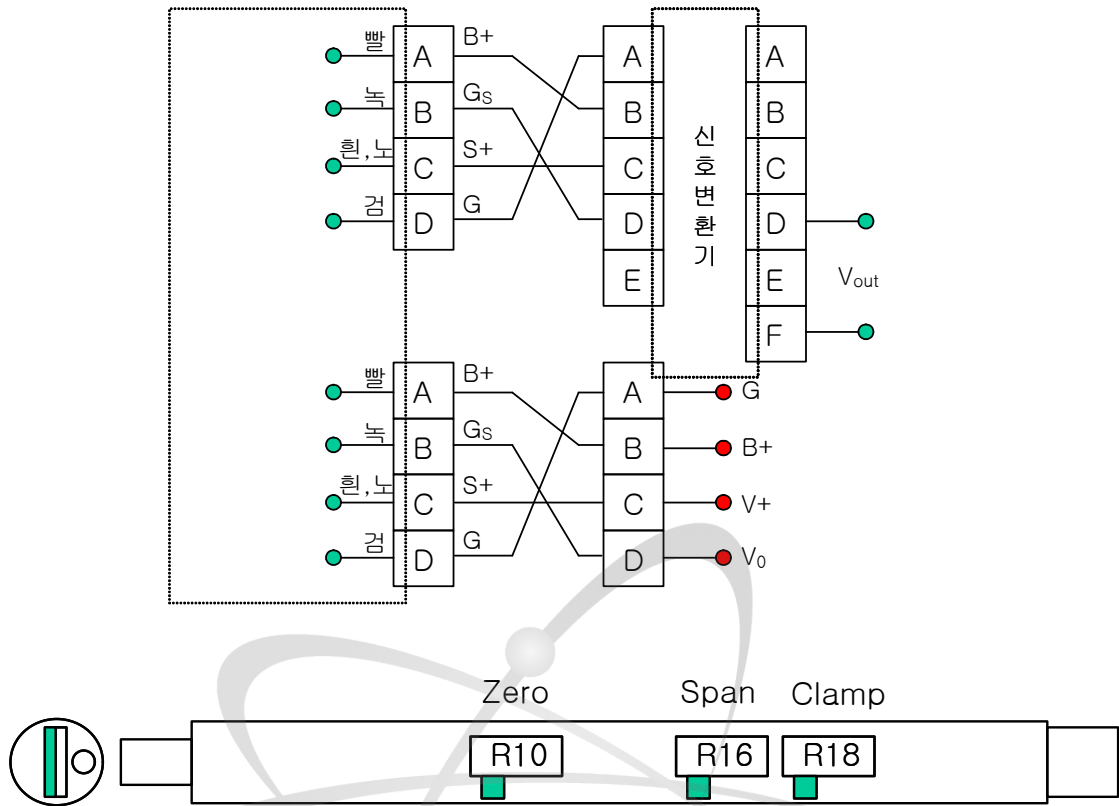
(4) 온도계 교정



- (가) 표준온도계와 비교하여 오차가 ± 0.1 °C 이상 될 때는 교체한다.

(5) 습도계 교정

- (가) Humidity Calibration Chamber에 저습도함 (LiCl 포화용액)과 고습도함 (NaCl 또는 K2SO4 포화용액)을 준비한다. 새로 만들었을 경우 충분히 교반하고 완전히 식은 다음에 사용한다.
- (나) 필터를 풀고 기관을 들어낸다.
- (다) Clamp를 반시계방향으로 완전히 돌린다.
- (라) 신호변환기에 연결하여 여기전압을 주고 C(+)와 D(-)의 전압을 측정하도록 연결한다.
- (마) 센서부분을 저습도함에 넣어 24 시간 후 R10을 돌려 9 mV가 되도록 한다.



- (바) 센서부분을 고습도함에 넣어 25 분 후 R16을 돌려 73 mV (NaCl) 또는 95 mV (K₂SO₄)가 되도록 한다.
- (사) 센서부분을 저습도함에 넣고 25 분 후 R10을 돌려 10 mV에 맞춘다.
- (아) 25 분 후 측정값의 오차가 $\pm 5\%RH$ 이하가 될 때까지 (바) - (사) 항을 반복한다.
- (자) 센서를 떼어내고 68 pf 콘덴서로 교체한 후 R18을 돌려 110 mV에 맞춘다.

(6) 강우계 교정

- (가) 증류수 855 g을 담은 PET 병 4 개를 준비한다.
- (나) Bucket이 비워진 것을 확인한다.
- (다) Data logger에 표시된 현재 강우량을 기록한다.
- (라) 증류수를 calibration bottle에 넣고 강우계 위에 거꾸로 세운다.

- (마) Calibration bottle이 다 비워진 후 1 분 이상 기다린 후에 강우량을 기록한다.
- (바) 위 절차를 4회 반복한다.
- (사) 4회 측정값의 평균이 2.5 mm 이상 차이가 나면 실험실내 정밀 교정을 실시한다.

(7) 일사계 교정

기상청 검정 결과 불합격시 교체한다.

(8) 시정계 교정

- (가) 시정이 500 m 이상일 경우 실시해야 하며, 강한 햇살이나 강우시에
는 피해야 한다.
- (나) Terminal 프로그램이나 로거 프로그램을 사용하여 시정계와 통신을
연결한다.
- (다) [open] 명령으로 통신을 시작한다.
- (라) [ver], [stal], [par] 등의 명령으로 현재 상태를 확인한다.
- (마) 송수신부의 렌즈를 이소프로필 알콜로 닦아낸다.
- (바) [clean] 명령으로 파라미터를 reset한다.
- (사) Blocker를 수신부에 장착하고 30 초 후에 [zero] 명령을 입력한다.
- (아) OK 신호가 오면 blocker를 제거하고 calibrator를 장착한다.
- (자) 30초 후에 [chec] 명령을 주고 1분 후 Esc를 눌러 명령을 해제한다.
- (차) 마지막의 숫자가 calibrator 계수 (543)와 비교하여 $\pm 5\%$ 이상 차이
가 날 때에는 [cal 543]을 입력한다.
- (카) [chec] 명령으로 다시 확인한다.

(9) 기압계 교정

- (가) 기상청 검정 결과 불합격시 교체한다.

제 2 절 운영결과 및 고찰

기상탑 철골 구조물에 대한 안전점검은 연 1회, 리프트의 안전점검은 2개월마다 실시하였다. 관측기기는 5월 20일부터 21일까지, 11월 26일부터 27일까지 두 차례 교정을 실시하였으며, 수시로 점검하여 이상이 있을 경우 보수하였다.

1. 기상관측자료 수집

기상관측기기의 교정으로 인한 결측 일수 및 고장수리 등을 포함한 기상 관측률은 99.5 %였다. 표 3에 1년간 기상관측 및 결측횟수를 나타내었다.

2. 기상관측자료 분석

국지기상의 기후통계적 분석을 위하여 바람자료의 풍향, 풍속별 발생빈도를 계산하였으며 연간 바람장미를 그림 2에 제시하였다. 바람장미를 보면 67m 측정 높이에서 1년간 탁월풍은 북풍과 서남서풍 (각각 10.6 %, 9.7 %)으로 나타났으며 전년 (각각 11.1 %, 10.5 %)과 큰 차이가 없었다. 연간 정온상태 (calm)의 분포는 67 m의 경우 27.2 %, 27 m에서 27.9 %, 10 m에서 53.2 %로 전년에 비해 약간 줄어 들었다.

각 기상관측요소들의 평균, 최대, 최소값 등을 분석한 자료를 표 4부터 표7까지에 각각 나누어 실었다. 표 4는 매월의 최다풍향, 평균풍속, 최대풍속과 그때의 풍향, 발생시간을 높이별로 정리한 것이다. 연 평균 최다 풍향은 67 m에서는 북풍과 서남서풍, 27 m에서는 북북서풍과 남서풍, 10 m에서는 북풍과 남서풍으로 나타났으며 전반적으로 북풍과 남서풍 계열이 우세하였다. 연 평균 풍속은 67 m에서 1.8 m/sec, 27 m에서 1.4 m/sec, 10 m에서 0.5 m/sec로 전년에 비해 큰 차이가 없었다.

표 5와 표 6에 각각 기온과 상대습도의 평균, 최대, 최소값 등을 실었다. 연 평균 기온은 67 m에서 12.6 °C, 27 m에서 12.3 °C, 10 m에서 12.5 °C, 백엽상이 위치한 1.5 m에서 12.1 °C로 전년에 비해 큰 변화는 없었다. 연 평균 상대습도는 약 65 ~ 74 %로 전년보다 2 ~ 3 % 정도 낮아졌다.

표 7은 일사, 기압, 강우, 시정, 안개발생시간 등에 대한 연간 통계값을 나타내

며, 연간 강수량은 982.2 mm로 전년의 953.6 mm과 비슷한 수치를 기록하였다. 표 8에 각 기상요소의 월별, 분기별 통계자료를 실었다. 각 기상요소에 대한 자료의 단위는 다음과 같다.

- 바람
 - 최다풍향 : 16방위 (%)
 - 평균풍속 : m/sec
 - 최대풍속 : m/sec, 최대풍속이 나타난 풍향 : 16방위 (나타난 시간)
- 기온
 - 평균, 최고, 최저 : °C (나타난 시간)
- 습도
 - 평균, 최고, 최저 : % (나타난 시간)
- 일사
 - 일사량 : MJ/m²
 - 최대 일사율 : W/m² (나타난 시간)
- 기압
 - 평균, 최고, 최저 : hPa (나타난 시간)
- 강수
 - 일 합계, 10분 최다, 1 시간 최다 : mm (나타난 시간)
- 시정
 - 평균, 최대, 최소 : km (나타난 시간)
 - 총안개발생시간 : 시간

관측된 자료는 온라인으로 연결되어 원자력시설의 방사성물질 누출시 실시간 확산 및 피폭예측에 이용되기도 하지만, 1년간 대기안정도 및 풍향, 풍속구간별 발생빈도를 계산하여 방사성물질의 장기간 확산 및 피폭선량 평가에 이용한다. 매 10분마다 측정된 기상자료를 통계처리하여 대기안정도와 풍향, 풍속별 발생빈도를 3개 높이의 관측위치마다 계산하였으며 이를 표 9에 제시하였다.

표 3. 연간 기상관측 및 결측횟수 (Annual Data Recoveries)

높이	67 m		27 m		10 m		합계
	관측횟수(%)	결측횟수(%)	관측횟수(%)	결측횟수(%)	관측횟수(%)	결측횟수(%)	
09_01	4464 (100.0)	- (-)	4464 (100.0)	- (-)	4464 (100.0)	- (-)	4464
09_02	4032 (100.0)	- (-)	4032 (100.0)	- (-)	4032 (100.0)	- (-)	4032
09_03	4464 (100.0)	- (-)	4464 (100.0)	- (-)	4464 (100.0)	- (-)	4464
1/4분기	12960 (100.0)	- (-)	12960 (100.0)	- (-)	12960 (100.0)	- (-)	12960
09_04	4320 (100.0)	- (-)	4320 (100.0)	- (-)	4320 (100.0)	- (-)	4320
09_05	4408 (98.7)	56 (1.3)	4408 (98.7)	56 (1.3)	4408 (98.7)	56 (1.3)	4464
09_06	4180 (96.8)	140 (3.2)	4180 (96.8)	140 (3.2)	4180 (96.8)	140 (3.2)	4320
2/4분기	12908 (98.5)	196 (1.5)	12908 (98.5)	196 (1.5)	12908 (98.5)	196 (1.5)	13104
09_07	4437 (99.4)	27 (0.6)	4437 (99.4)	27 (0.6)	4437 (99.4)	27 (0.6)	4464
09_08	4463 (100.0)	1 (0.0)	4463 (100.0)	1 (0.0)	4463 (100.0)	1 (0.0)	4464
09_09	4304 (99.6)	16 (0.4)	4304 (99.6)	16 (0.4)	4303 (99.6)	17 (0.4)	4320
3/4분기	13204 (99.7)	44 (0.3)	13204 (99.7)	44 (0.3)	13203 (99.7)	45 (0.3)	13248
09_10	4462 (100.0)	2 (0.0)	4462 (100.0)	2 (0.0)	4462 (100.0)	2 (0.0)	4464
09_11	4281 (99.1)	39 (0.9)	4281 (99.1)	39 (0.9)	4281 (99.1)	39 (0.9)	4320
09_12	4464 (100.0)	- (-)	4464 (100.0)	- (-)	4464 (100.0)	- (-)	4464
4/4분기	13207 (99.7)	41 (0.3)	13207 (99.7)	41 (0.3)	13207 (99.7)	41 (0.3)	13248
년	52279 (99.5)	281 (0.5)	52279 (99.5)	281 (0.5)	52278 (99.5)	282 (0.5)	52560

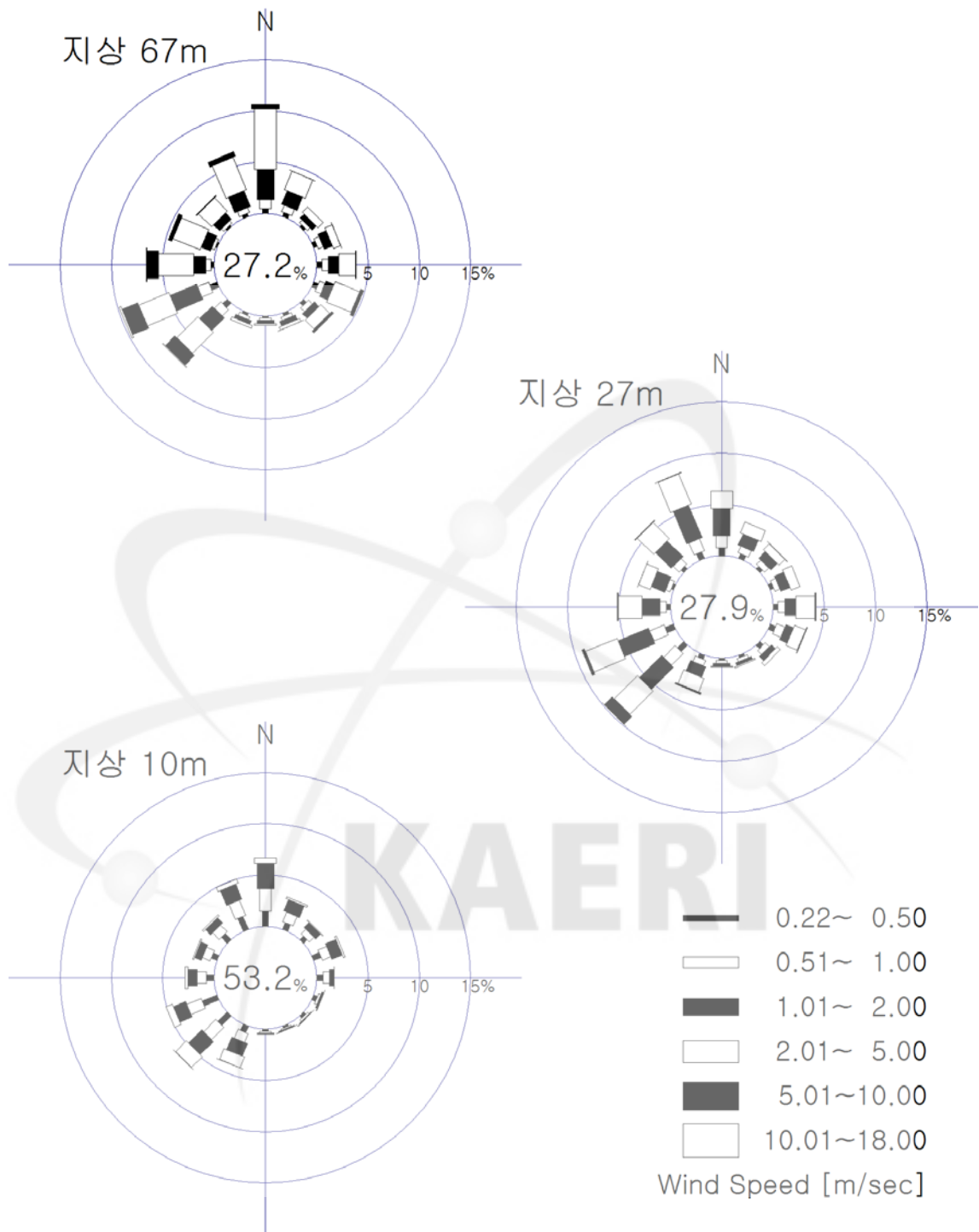


그림 2. 연간 바람장미 (Annual wind rose)
 (동심원내 숫자는 정온상태 발생빈도의 백분율을 나타냄)

표 4. 바람의 월간 통계값(Monthly statistics of wind: 2009년 1월)

높이	67 m				27 m				10 m			
	최다풍향(%)	풍속 (m/sec)			최다풍향(%)	풍속 (m/sec)			최다풍향(%)	풍속 (m/sec)		
		평균	최대: 풍향(시:분)			평균	최대: 풍향(시:분)			평균	최대: 풍향(시:분)	
1	N (38.9)	2.2	5.1	N (1:30)	NNW (25.7)	1.3	3.9	NW (1:30)	N (24.3)	0.7	2.1	N (1:30)
2	WSW (31.3)	1.6	3.3	NW (14:00)	NW (18.8)	0.9	2.5	NW (13:20)	NNW (19.4)	0.4	1.7	N (12:00)
3	N (20.1)	1.3	4.0	N (20:10)	NW (11.8)	0.6	2.7	NW (20:10)	NNW (8.3)	0.3	1.4	NNE (13:50)
4	WSW (25.7)	1.5	5.0	N (19:40)	SW (15.3)	0.9	4.0	NW (19:40)	NNW (18.1)	0.4	1.9	NNW (19:40)
5	WSW (27.8)	1.8	6.2	W (15:00)	WSW (17.4)	1.0	5.2	WSW (13:50)	WSW (11.8)	0.5	3.2	SW (13:50)
6	N (18.1)	1.0	2.9	N (19:10)	NNW (9.7)	0.6	2.3	NNE (15:10)	NNE (6.3)	0.2	1.2	NNE (15:10)
7	N (21.5)	1.1	3.9	N (21:10)	NW (11.8)	0.6	2.3	NW (20:20)	NNW (13.9)	0.2	1.2	NNW (14:40)
8	N (23.6)	1.2	3.6	N (14:00)	NNW (14.6)	0.7	3.0	NNW (14:10)	N (11.8)	0.3	2.3	N (14:10)
9	W (21.5)	1.4	4.6	W (23:00)	W (12.5)	0.9	3.2	WSW (23:00)	W (10.4)	0.4	1.6	N (17:10)
10	WNW (25.0)	2.6	5.9	W (15:10)	WSW (25.7)	1.6	4.6	WSW (15:30)	W (17.4)	0.8	2.7	WSW (15:30)
11	NW (24.3)	2.6	7.0	W (14:30)	NW (20.1)	1.6	5.2	WSW (14:30)	NW (17.4)	0.8	2.7	WSW (14:30)
12	NW (27.8)	2.3	5.3	NW (22:30)	WNW (23.6)	1.5	3.5	NNW (23:20)	N (17.4)	0.8	2.3	N (14:10)
13	NW (19.4)	1.7	4.3	W (12:10)	NW (15.3)	0.9	3.2	W (12:00)	NNW (13.2)	0.5	2.0	NNW (14:00)
14	NNW (42.4)	2.7	7.0	NNW (16:30)	NW (36.8)	1.5	5.3	NW (14:50)	NNW (30.6)	0.9	3.3	NNW (11:20)
15	N (22.9)	1.5	3.4	NNE (12:50)	NW (14.6)	0.9	3.0	NNE (12:50)	NNW (13.9)	0.4	2.0	NNE (12:50)
16	WSW (31.9)	1.3	3.5	N (12:10)	SW (23.6)	0.7	3.3	NNW (12:10)	SW (18.1)	0.4	2.0	N (12:00)
17	N (16.0)	0.6	3.0	N (17:40)	NNW (8.3)	0.4	2.6	NNW (17:00)	N (6.3)	0.2	1.1	N (17:00)
18	WNW (26.4)	2.4	6.9	WSW (15:10)	W (24.3)	1.5	5.0	W (20:40)	W (13.2)	0.7	2.6	SW (15:50)
19	W (30.6)	2.8	6.0	WSW (14:20)	WSW (28.5)	1.8	4.8	WSW (12:40)	WSW (16.7)	0.8	2.8	WSW (12:40)
20	N (28.5)	1.5	4.5	N (22:00)	NNW (17.4)	1.0	3.2	NNW (21:40)	N (25.7)	0.4	1.6	N (21:40)
21	WSW (21.5)	0.8	3.4	NNE (11:10)	SW (13.2)	0.4	2.4	NNE (11:10)	SW (8.3)	0.2	1.5	NNE (11:10)
22	WSW (28.5)	2.1	7.1	WNW (22:30)	SW (21.5)	1.3	5.2	W (22:30)	SW (14.6)	0.7	2.8	SW (17:00)
23	N (33.3)	3.3	7.2	NNW (12:30)	NW (33.3)	2.3	5.2	NW (12:30)	N (29.9)	1.3	3.3	NNW (12:30)
24	W (29.9)	4.2	9.4	W (11:40)	WSW (38.9)	2.8	6.8	WSW (13:50)	WSW (30.6)	1.5	4.0	WSW (13:50)
25	WSW (37.5)	3.0	7.3	WSW (17:10)	SW (31.9)	1.8	5.1	SW (13:40)	SW (23.6)	1.0	3.5	SSW (13:40)
26	W (31.3)	2.5	5.2	W (13:50)	WSW (27.8)	1.4	4.2	WSW (13:50)	N (13.9)	0.6	2.5	WSW (13:50)
27	N (17.4)	1.4	3.7	N (18:20)	NNW (11.8)	0.7	2.6	NW (18:40)	NNW (13.2)	0.3	1.3	SW (5:00)
28	WSW (20.8)	0.8	4.4	N (18:00)	ESE (9.7)	0.5	3.5	NW (18:20)	E (7.6)	0.2	1.5	NNW (18:10)
29	E (7.6)	0.5	2.7	WSW (9:50)	ESE (8.3)	0.3	2.1	SW (9:50)	N (2.8)	0.1	1.1	SW (9:50)
30	NNE (29.2)	2.0	6.2	N (23:00)	NNE (17.4)	1.4	4.7	NW (23:00)	N (31.9)	0.8	2.4	N (23:20)
31	N (47.2)	2.6	5.5	N (0:40)	NNW (15.3)	1.6	4.0	NW (0:40)	N (31.9)	0.7	2.1	N (16:30)
월	N (15.7)	1.9	9.4	W (1/24)	NW (10.3)	1.1	6.8	WSW (1/24)	N (9.8)	0.6	4.0	WSW (1/24)

표 4. 계속 (Continued: 2009년 2월)

높이	67 m				27 m				10 m			
	최다풍향(%)	풍속 (m/sec)			최다풍향(%)	풍속 (m/sec)			최다풍향(%)	풍속 (m/sec)		
		평균	최대: 풍향(시:분)			평균	최대: 풍향(시:분)			평균	최대: 풍향(시:분)	
1	ENE (22.2)	1.0	3.1	SE (11:00)	NE (5.6)	0.5	2.6	ESE (11:00)	SSE (6.3)	0.3	1.3	SSE (11:40)
2	WSW (21.5)	1.1	3.2	WNW (15:10)	SW (13.2)	0.5	2.6	W (15:10)	W (6.3)	0.2	1.4	W (15:10)
3	N (38.9)	1.3	3.0	N (10:00)	NNW (22.9)	1.1	2.8	NNW (12:20)	N (28.5)	0.5	1.8	N (12:20)
4	N (30.6)	1.3	4.7	N (19:00)	NW (20.1)	1.0	3.5	NW (19:30)	N (14.6)	0.5	1.7	NNW (19:00)
5	W (18.8)	0.9	2.8	W (17:50)	WSW (22.9)	0.8	3.0	WSW (15:50)	WSW (13.2)	0.3	1.7	WSW (15:50)
6	N (18.8)	1.1	4.2	NNW (19:20)	NW (15.3)	0.7	3.2	NNE (15:20)	NNW (11.1)	0.3	2.1	NNE (15:20)
7	W (8.3)	1.0	3.1	NE (14:20)	NW (8.3)	0.5	2.9	NNE (14:30)	NE (4.2)	0.2	2.1	NNE (14:30)
8	N (43.1)	1.9	4.4	NNW (21:40)	NW (27.1)	1.2	3.4	NW (19:10)	NNW (27.1)	0.5	1.6	N (19:00)
9	N (22.2)	1.7	4.9	WNW (23:30)	NNW (13.2)	1.4	3.6	NNW (14:10)	N (18.8)	0.7	2.3	N (16:50)
10	SW (31.3)	1.7	4.2	WNW (0:10)	SW (25.0)	1.0	2.6	W (0:10)	SW (18.1)	0.4	1.8	SSW (14:00)
11	WSW (25.7)	1.9	5.8	WNW (11:30)	WSW (23.6)	1.3	4.5	SW (14:50)	SW (16.0)	0.7	2.9	SSW (10:20)
12	WSW (19.4)	1.0	3.1	SSW (18:20)	SW (20.1)	0.6	3.0	SW (18:20)	SW (13.2)	0.3	2.0	SW (18:30)
13	SW (31.3)	6.1	16.0	WSW (14:40)	SW (41.7)	4.2	11.2	SW (14:40)	SW (37.5)	2.4	7.0	SSW (9:50)
14	N (15.3)	1.1	4.8	NNW (19:00)	NW (16.7)	1.4	3.6	NW (18:50)	N (16.7)	0.7	1.8	NNE (14:40)
15	N (27.8)	1.4	4.6	NNW (13:50)	NNW (27.1)	1.4	3.9	NNW (13:50)	N (30.6)	0.7	2.6	N (13:50)
16	N (34.7)	2.3	7.0	N (12:20)	NNW (33.3)	2.2	5.3	NNW (12:20)	N (31.9)	1.3	3.5	N (11:20)
17	N (18.8)	0.7	4.6	NNW (16:50)	NW (25.0)	1.3	3.8	NE (12:40)	N (20.8)	0.7	2.8	NNE (13:30)
18	NNE (13.2)	0.3	3.7	WNW (0:40)	NNE (22.2)	1.3	3.4	NNE (12:30)	N (22.2)	0.7	2.4	NNE (12:30)
19	SW (2.1)	0.1	2.4	WSW (16:10)	NNE (7.6)	0.6	3.2	SW (16:10)	NNE (6.9)	0.2	1.9	SW (16:10)
20	W (33.3)	2.7	8.2	W (12:10)	W (39.6)	2.1	6.1	WSW (12:10)	W (27.1)	1.0	3.4	NW (15:00)
21	WSW (12.5)	0.4	4.9	WSW (17:50)	SW (18.8)	0.7	3.2	SW (17:50)	SSW (15.3)	0.4	2.0	SW (12:20)
22	SW (1.4)	0.0	0.8	SW (5:40)	SW (13.2)	0.4	2.2	WSW (5:30)	SW (14.6)	0.2	1.3	WSW (5:50)
23	N (19.4)	1.6	4.8	SE (20:00)	E (27.1)	1.6	3.8	E (15:50)	ENE (18.8)	0.7	2.0	ENE (15:50)
24	N (6.9)	0.2	4.4	N (22:50)	NNW (22.9)	1.1	4.5	NNW (22:50)	N (26.4)	0.5	2.5	N (22:50)
25	N (55.6)	2.2	6.1	N (15:20)	NNW (33.3)	1.8	5.2	NW (15:20)	N (47.2)	0.9	3.4	N (15:20)
26	N (36.1)	1.1	5.7	N (19:40)	NNW (28.5)	1.2	4.2	NW (19:40)	N (38.9)	0.7	2.6	N (19:40)
27	N (20.8)	0.5	5.4	N (19:40)	NNW (18.8)	1.2	4.9	NW (19:40)	N (27.8)	0.6	2.5	N (19:50)
28	N (16.7)	0.7	4.4	N (19:30)	NNW (16.0)	1.0	4.0	NNW (19:40)	N (20.1)	0.6	2.3	N (19:40)
월	N (15.6)	1.3	16.0	WSW (2/13)	NNW (11.5)	1.2	11.2	SW (2/13)	N (14.1)	0.6	7.0	SSW (2/13)

표 4. 계속 (Continued: 2009년 3월)

높이	67 m				27 m				10 m			
	최다풍향(%)	풍속 (m/sec)			최다풍향(%)	풍속 (m/sec)			최다풍향(%)	풍속 (m/sec)		
		평균	최대: 풍향(시:분)			평균	최대: 풍향(시:분)			평균	최대: 풍향(시:분)	
1	WNW (13.2)	1.3	7.2	W (17:20)	W (14.6)	1.6	5.2	WSW (17:20)	WNW (13.9)	0.9	2.9	WSW (17:20)
2	ESE (12.5)	0.7	4.6	SSE (13:20)	E (19.4)	1.5	4.1	SSE (13:20)	ENE (16.7)	0.7	2.1	SSE (13:20)
3	WNW (15.3)	0.6	2.5	W (16:10)	W (15.3)	0.5	2.4	ESE (0:30)	W (6.3)	0.2	1.1	SSE (0:40)
4	N (19.4)	0.5	3.9	N (20:10)	N (12.5)	0.8	3.6	NW (20:10)	N (16.0)	0.4	2.2	N (12:30)
5	NW (4.9)	0.2	4.0	NW (23:20)	NW (4.2)	0.3	3.3	WSW (4:50)	WNW (4.9)	0.2	2.3	SW (4:50)
6	NNW (29.9)	3.2	7.8	NNW (14:20)	NW (27.1)	2.5	6.3	NW (14:20)	NNW (22.9)	1.4	3.6	N (14:20)
7	N (14.6)	0.8	3.8	NNE (15:50)	SW (12.5)	1.2	3.7	N (15:50)	N (12.5)	0.7	2.9	N (15:50)
8	WSW (7.6)	0.8	6.4	WSW (15:10)	WSW (13.2)	0.9	5.0	SW (15:10)	SW (9.0)	0.5	3.4	SW (15:10)
9	N (13.2)	0.9	6.1	N (20:00)	NW (12.5)	1.0	4.7	NNW (20:00)	NNW (11.8)	0.6	3.0	N (20:40)
10	NNW (22.9)	1.4	4.5	NNW (14:20)	NW (17.4)	1.5	4.2	NE (15:20)	N (17.4)	0.8	2.9	N (15:00)
11	NNE (9.7)	0.5	3.5	NNE (11:40)	NNE (11.1)	1.0	3.3	NNE (15:20)	NNE (12.5)	0.5	2.4	N (11:40)
12	ESE (9.0)	1.1	4.4	SSE (12:00)	E (16.7)	1.4	3.9	SE (12:30)	ENE (12.5)	0.7	2.4	N (19:10)
13	NW (26.4)	4.5	7.5	N (8:40)	WNW (28.5)	3.3	6.0	NW (9:10)	WNW (25.0)	2.0	3.7	N (9:10)
14	W (41.0)	2.7	8.3	W (15:40)	WSW (34.0)	2.3	6.6	WSW (15:40)	WSW (27.1)	1.3	4.0	WSW (15:40)
15	WSW (43.1)	4.3	11.1	WSW (21:40)	SW (59.7)	3.3	7.7	SW (21:40)	SW (50.7)	2.0	4.8	SSW (20:20)
16	SW (59.7)	5.2	9.5	SW (14:40)	SW (49.3)	3.6	6.9	SW (14:40)	SSW (54.2)	2.2	4.4	SW (14:50)
17	WSW (31.9)	3.2	9.6	WSW (16:40)	SW (34.0)	2.3	7.1	SW (16:20)	SSW (18.8)	1.4	4.5	SW (16:40)
18	SW (54.2)	5.1	9.6	SW (10:50)	SW (65.3)	3.9	7.2	SW (13:20)	SSW (47.2)	2.4	4.7	SSW (13:20)
19	WNW (12.5)	1.5	6.9	WSW (13:30)	SW (16.0)	1.3	5.2	SW (13:30)	SW (10.4)	0.7	3.4	SW (13:30)
20	N (17.4)	2.5	6.1	SW (21:50)	NNW (17.4)	2.0	4.4	SSW (21:50)	N (31.3)	1.2	3.3	SSW (21:50)
21	SW (18.8)	1.5	7.6	WSW (15:50)	SW (21.5)	1.1	5.8	SW (15:50)	SW (14.6)	0.6	3.8	SW (16:30)
22	W (32.6)	4.1	7.4	SW (3:20)	WSW (36.8)	3.0	5.7	WSW (13:30)	WSW (32.6)	1.6	3.6	WSW (14:30)
23	NNW (20.8)	1.8	4.6	NW (23:00)	WSW (19.4)	1.6	3.5	NNW (15:20)	N (17.4)	0.8	2.2	NNE (15:40)
24	N (31.3)	2.9	7.4	N (18:20)	NW (25.0)	1.8	5.0	NNW (20:30)	N (25.7)	1.1	3.1	N (20:30)
25	W (35.4)	3.6	8.7	W (15:00)	WSW (44.4)	2.4	6.8	WSW (13:00)	WSW (30.6)	1.3	4.1	WSW (15:00)
26	WSW (31.3)	5.7	11.4	WSW (10:00)	SW (29.2)	3.8	8.3	SW (10:00)	WSW (27.8)	2.1	5.1	SW (10:20)
27	W (29.2)	3.6	6.0	NNW (13:50)	WSW (36.8)	2.5	5.1	NW (13:50)	WSW (30.6)	1.3	3.3	NNW (13:50)
28	N (20.8)	2.4	6.6	N (20:00)	WSW (20.8)	1.8	5.2	NW (20:20)	N (18.1)	1.0	3.0	N (20:20)
29	ESE (20.1)	1.3	5.1	SE (18:30)	E (18.8)	1.1	4.1	ESE (21:10)	ENE (14.6)	0.6	1.9	ENE (23:50)
30	W (18.1)	2.7	6.7	NNW (24:00)	WSW (18.8)	1.9	5.0	SW (13:30)	SW (17.4)	1.0	3.1	SW (13:10)
31	NW (16.7)	2.2	6.5	NNW (0:10)	NW (18.1)	1.6	5.0	WSW (15:30)	NNW (13.2)	0.8	3.1	SW (15:30)
월	W (9.4)	2.3	11.4	WSW (3/26)	SW (12.5)	1.9	8.3	SW (3/26)	SW (9.3)	1.1	5.1	SW (3/26)

표 4. 계속 (Continued: 2009년 4월)

높이	67 m				27 m				10 m			
	최다풍향(%)	풍속 (m/sec)			최다풍향(%)	풍속 (m/sec)			최다풍향(%)	풍속 (m/sec)		
		평균	최대: 풍향(시:분)			평균	최대: 풍향(시:분)			평균	최대: 풍향(시:분)	
1	W (28.5)	3.2	5.8	NNW (15:40)	WSW (41.0)	2.7	4.3	NW (15:40)	WSW (43.8)	1.3	3.0	N (11:30)
2	WNW (9.7)	1.5	4.6	NNW (19:20)	WSW (19.4)	1.4	3.6	NW (17:40)	N (9.7)	0.7	2.6	NNE (14:00)
3	WSW (25.0)	1.6	6.4	WSW (17:00)	WSW (20.8)	1.3	4.8	SW (15:20)	SW (14.6)	0.7	3.3	SSW (15:00)
4	NNW (21.5)	1.2	4.5	NNW (10:20)	NW (25.7)	1.2	4.0	NW (10:20)	N (18.8)	0.6	2.7	N (10:20)
5	NNE (13.2)	1.7	6.0	NNW (17:30)	NNE (11.1)	1.4	4.7	NNE (16:30)	NNE (11.1)	0.7	2.9	NNW (17:40)
6	WSW (33.3)	2.1	5.6	W (14:50)	SW (43.8)	1.7	4.6	WSW (15:40)	WSW (27.8)	0.9	2.8	WSW (15:10)
7	SW (27.8)	1.8	5.7	W (14:30)	WSW (31.9)	1.4	4.6	WSW (14:30)	WSW (16.0)	0.7	2.7	SW (16:00)
8	NNW (15.3)	1.3	4.6	NNE (15:10)	NW (11.8)	1.1	3.7	NNE (15:00)	N (11.8)	0.6	2.4	NNE (15:10)
9	WNW (6.9)	1.0	4.9	NW (19:00)	SW (10.4)	0.9	3.4	WNW (19:00)	E (6.9)	0.5	1.9	NNE (13:10)
10	N (13.9)	1.4	5.8	N (20:20)	NW (16.7)	1.2	4.4	NE (12:50)	NNE (12.5)	0.7	2.8	NNE (16:20)
11	NNW (13.9)	1.1	6.0	NNW (18:30)	NW (11.1)	0.9	4.2	NW (18:20)	NNW (8.3)	0.5	2.6	NNW (18:20)
12	W (13.2)	1.1	4.8	WNW (13:50)	WSW (14.6)	1.1	3.7	SW (15:20)	WSW (9.0)	0.6	2.6	WSW (14:10)
13	N (16.0)	1.1	6.0	N (20:10)	NW (12.5)	0.9	4.4	NW (20:10)	N (9.7)	0.5	2.1	NNW (20:10)
14	N (23.6)	2.4	6.1	N (3:00)	NE (23.6)	1.8	4.2	NE (12:50)	N (29.9)	0.9	2.7	NE (13:30)
15	SW (31.3)	2.2	6.0	SW (10:20)	SW (18.8)	1.4	5.0	SSW (10:20)	SSW (16.7)	0.7	3.4	SSW (11:20)
16	N (25.0)	1.4	6.5	N (18:10)	NNW (23.6)	1.5	5.6	NNW (18:10)	N (28.5)	0.6	2.9	N (18:10)
17	N (14.6)	1.0	5.0	N (19:10)	NW (14.6)	1.0	3.4	NNE (15:30)	NNW (11.8)	0.5	2.1	NNE (13:50)
18	N (28.5)	1.3	5.2	N (19:50)	NW (11.8)	1.2	4.0	NE (14:10)	N (16.7)	0.5	2.1	NE (14:10)
19	WSW (11.8)	1.2	4.6	N (22:00)	NW (13.2)	0.9	3.3	NW (22:00)	NNW (11.1)	0.4	1.7	NNW (14:00)
20	ESE (28.5)	4.1	12.6	WSW (21:20)	ESE (22.9)	2.9	8.5	SW (21:20)	ENE (20.8)	1.4	5.0	SW (21:20)
21	W (48.6)	6.3	10.9	SW (0:20)	WSW (61.1)	4.1	8.4	SW (0:10)	WSW (50.0)	2.2	4.9	SW (0:10)
22	W (58.3)	4.2	8.8	W (13:00)	WSW (57.6)	2.8	6.6	WSW (13:00)	WSW (38.9)	1.4	3.7	WSW (13:00)
23	ESE (11.8)	1.1	3.8	ESE (22:20)	ENE (9.7)	0.8	3.2	NE (9:50)	ENE (11.1)	0.4	2.0	NNE (9:50)
24	ESE (31.9)	2.3	5.1	ESE (13:20)	ESE (29.9)	1.6	3.8	ESE (13:00)	ENE (34.7)	0.6	2.0	ENE (13:00)
25	W (45.1)	3.8	7.7	WNW (19:30)	WSW (43.8)	2.5	5.3	W (15:50)	WSW (31.3)	1.2	2.9	SW (21:50)
26	W (25.7)	2.5	5.3	W (2:50)	WSW (26.4)	1.8	4.1	WSW (2:50)	WSW (22.2)	0.8	2.1	NNE (11:20)
27	WSW (18.8)	2.6	6.5	NNW (15:20)	SW (18.1)	1.8	5.0	WSW (18:50)	WSW (16.7)	0.8	2.7	NW (15:20)
28	N (12.5)	1.6	6.0	W (16:10)	SW (8.3)	1.1	4.9	WSW (16:10)	N (9.0)	0.6	2.7	WSW (16:10)
29	NW (8.3)	1.0	5.6	WNW (18:00)	WNW (9.0)	0.7	4.2	W (18:00)	NE (7.6)	0.4	2.0	W (18:00)
30	WSW (17.4)	1.3	5.2	WSW (13:10)	SW (22.2)	1.0	4.0	SW (13:10)	SW (20.8)	0.5	2.6	SSW (13:00)
월	W (11.3)	2.0	12.6	WSW (4/20)	WSW (15.2)	1.5	8.5	SW (4/20)	WSW (11.3)	0.8	5.0	SW (4/20)

표 4. 계속 (Continued: 2009년 5월)

높이	67 m				27 m				10 m				
	일	최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)	
			평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)
1	WSW (16.7)	1.1	4.6	W (17:50)	SW (20.8)	1.0	3.4	WSW (17:50)	WSW (15.3)	0.5	1.8	WSW (17:30)	
2	SW (20.1)	2.9	9.2	W (13:50)	SW (25.0)	1.8	6.8	WSW (13:50)	SW (26.4)	0.9	3.8	SW (11:10)	
3	SW (22.2)	1.5	4.4	WNW (20:00)	SW (20.8)	1.0	3.3	SSW (12:10)	SSW (14.6)	0.5	2.2	SW (11:10)	
4	N (19.4)	1.5	4.2	NNW (14:40)	NW (16.0)	1.3	3.9	NE (11:50)	N (14.6)	0.6	2.2	NNE (12:00)	
5	N (27.8)	2.1	8.5	NNW (21:10)	NW (31.9)	1.7	6.8	NW (21:00)	NNW (25.0)	0.7	3.4	NNW (21:00)	
6	N (20.8)	1.1	6.0	N (18:30)	NW (15.3)	0.9	4.0	NW (18:30)	NNW (13.2)	0.4	1.9	NNW (18:30)	
7	NNW (15.3)	1.8	6.0	NNW (17:20)	NW (16.7)	1.5	4.6	N (13:40)	NNW (16.0)	0.7	2.5	NNW (15:10)	
8	WSW (22.2)	1.1	4.7	SW (18:10)	WSW (22.9)	0.8	3.5	SW (17:20)	SW (13.2)	0.4	1.9	SSW (17:50)	
9	WSW (37.5)	2.7	9.0	WSW (12:30)	SW (36.1)	1.8	6.0	SW (12:30)	SW (28.5)	0.9	3.6	SW (12:30)	
10	SW (20.1)	1.9	5.9	WSW (11:00)	SW (21.5)	1.3	5.1	SSW (11:30)	SW (15.3)	0.7	3.7	SSW (11:30)	
11	WSW (22.2)	1.9	6.4	WSW (14:20)	WSW (20.1)	1.3	5.0	WSW (14:20)	SW (23.6)	0.6	3.0	WSW (14:20)	
12	W (29.9)	2.2	6.3	WSW (9:50)	WSW (36.1)	1.1	3.7	SW (9:50)	WSW (15.3)	0.4	2.1	SSW (9:50)	
13	NNW (25.7)	2.6	6.0	NNW (16:20)	NW (20.1)	1.4	4.1	NW (15:40)	NNW (16.0)	0.7	2.6	NW (16:20)	
14	NNW (18.8)	0.9	3.6	N (19:00)	NW (16.7)	0.6	2.3	NNW (17:20)	NW (9.0)	0.3	1.5	SW (9:10)	
15	SW (8.3)	0.9	3.8	SW (20:40)	SSW (8.3)	0.6	3.1	S (22:40)	SW (9.0)	0.3	1.7	SSW (15:20)	
16	E (21.5)	1.5	4.4	E (11:20)	E (17.4)	0.7	3.5	E (11:20)	ENE (15.3)	0.3	1.9	ENE (11:20)	
17	W (54.2)	4.5	8.1	WSW (3:30)	WSW (58.3)	2.7	5.7	WSW (11:50)	WSW (38.9)	1.1	2.6	SW (4:00)	
18	SW (42.4)	2.8	8.3	SW (14:40)	SW (29.9)	1.8	6.5	SW (14:50)	SSW (28.5)	1.1	4.2	SW (14:50)	
19	WSW (35.4)	1.9	5.3	WSW (17:20)	SW (28.5)	1.3	3.8	SW (17:20)	SSW (19.4)	0.6	2.2	SSW (17:30)	
20	WSW (13.5)	0.9	5.4	SW (22:50)	SW (14.6)	0.7	4.4	S (23:50)	SW (11.5)	0.3	2.7	SSW (23:50)	
21	SE (18.1)	1.9	5.5	ESE (5:30)	E (18.8)	1.3	4.3	E (5:20)	ENE (20.1)	0.4	2.4	ENE (5:20)	
22	W (34.0)	2.3	5.1	W (16:30)	W (29.9)	1.7	3.9	WSW (16:40)	SW (16.0)	0.5	1.8	SW (14:40)	
23	SW (29.2)	2.7	6.0	WSW (11:10)	WSW (25.0)	1.9	4.2	SW (11:30)	SSW (17.4)	0.7	2.5	SSW (11:30)	
24	N (13.9)	1.0	3.9	N (21:30)	NNW (18.1)	0.9	2.9	NNE (14:40)	N (9.7)	0.3	1.7	NNE (14:20)	
25	N (29.9)	1.2	3.8	NNW (19:20)	NNW (23.6)	0.8	2.9	NNW (20:10)	ENE (9.7)	0.2	1.4	ENE (13:30)	
26	NNW (21.7)	1.4	5.0	N (19:10)	NNW (18.9)	1.1	3.5	N (13:30)	NW (16.1)	0.3	1.7	NNE (13:30)	
27	E (36.5)	2.0	5.3	ENE (16:50)	ENE (23.4)	1.6	4.7	NE (16:50)	NE (23.4)	0.7	2.9	ENE (17:10)	
28	ENE (27.1)	1.7	3.8	N (20:00)	N (19.4)	1.3	3.6	ENE (16:40)	NNE (10.4)	0.4	1.8	NE (16:50)	
29	N (25.0)	1.5	3.5	N (23:10)	NNW (24.3)	1.2	3.2	NE (13:50)	NE (11.8)	0.3	1.8	NE (13:50)	
30	SW (25.7)	2.5	7.1	SW (16:40)	SSW (20.1)	1.8	5.6	SW (16:50)	SSW (27.1)	0.7	3.6	SSW (16:50)	
31	WSW (46.5)	3.2	7.2	WSW (13:40)	SW (36.1)	2.2	5.8	SW (14:00)	SW (27.1)	0.9	3.6	SSW (14:30)	
월	WSW (13.5)	1.9	9.2	W (5/ 2)	SW (12.9)	1.3	6.8	WSW (5/ 2)	SW (9.9)	0.6	4.2	SW (5/18)	

표 4. 계속 (Continued: 2009년 6월)

높이	67 m				27 m				10 m			
	일	최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)			
			평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		
1	SW (40.3)	3.0	7.8	WSW (17:30)	SW (34.7)	2.2	6.1	SW (17:30)	SW (35.4)	1.1	3.6	SW (17:30)
2	SW (52.8)	5.2	11.6	WSW (17:50)	SW (51.4)	3.5	7.4	SW (16:20)	SW (35.4)	1.9	4.7	SSW (11:30)
3	SW (41.0)	2.0	6.0	SW (8:20)	SW (38.2)	1.4	4.8	SW (8:10)	SW (29.9)	0.6	3.1	SW (8:10)
4	N (22.2)	1.0	4.7	N (20:30)	NNW (20.8)	1.0	3.3	NNW (20:00)	ENE (6.3)	0.2	1.7	ENE (13:40)
5	N (16.0)	1.3	4.7	N (19:30)	NNW (15.3)	1.1	3.7	NNW (19:30)	N (16.0)	0.3	1.4	NE (12:00)
6	ESE (22.9)	1.7	5.8	SW (19:30)	E (16.0)	1.3	4.4	SSW (19:30)	ENE (18.8)	0.4	2.5	SSW (19:30)
7	N (27.1)	1.2	3.6	N (23:20)	NNW (23.6)	0.9	2.5	NNW (17:50)	N (13.2)	0.2	1.2	NNE (18:40)
8	NNW (17.4)	0.7	2.8	NNE (18:00)	NW (16.7)	0.7	2.4	NNW (16:20)	N (5.6)	0.1	0.7	NNE (12:30)
9	SW (21.5)	1.7	7.6	WSW (17:50)	SW (22.9)	1.3	5.6	SW (20:20)	SW (18.8)	0.5	3.3	SW (20:20)
10	WNW (18.1)	2.5	7.0	WSW (21:00)	SW (18.8)	1.7	4.8	SW (21:00)	SW (12.5)	0.6	2.7	SSW (17:40)
11	WSW (39.6)	5.3	8.8	WSW (15:20)	SW (41.0)	3.7	6.4	SW (15:20)	SW (41.0)	1.6	3.7	SW (15:20)
12	N (24.3)	2.4	7.7	SW (0:20)	NNW (21.5)	1.8	5.0	SSW (0:20)	N (13.9)	0.6	2.6	SSW (0:20)
13	N (18.1)	1.3	4.2	WNW (20:40)	NNW (20.8)	1.1	3.4	NNE (11:40)	N (8.3)	0.3	1.7	NNE (11:00)
14	NNW (16.7)	1.1	4.7	NNW (13:50)	NNW (18.8)	1.0	3.6	NNW (13:50)	NNW (6.3)	0.2	1.5	NNW (13:50)
15	NW (14.6)	1.0	3.6	NW (19:30)	WNW (13.2)	0.9	2.6	WNW (19:30)	SW (7.6)	0.2	1.2	ENE (12:40)
16	WSW (20.8)	1.4	3.3	WNW (15:00)	SW (26.4)	1.1	2.6	W (15:00)	SW (19.4)	0.3	1.4	SSW (10:50)
17	WSW (11.1)	0.9	2.8	NNW (15:00)	NNW (13.9)	0.8	2.4	NNW (15:10)	NNW (5.6)	0.1	0.8	SW (7:20)
18	E (16.7)	1.5	4.7	SW (22:00)	NNW (18.8)	1.4	3.4	SSW (22:00)	ENE (11.1)	0.3	1.6	SW (22:00)
19	WSW (18.8)	1.3	4.1	NW (17:30)	SW (20.8)	1.1	3.5	SW (13:00)	SW (11.8)	0.3	1.9	SW (13:00)
20	SW (41.0)	1.7	4.8	SW (1:30)	SW (29.9)	1.3	3.4	SSW (14:50)	SSW (18.8)	0.3	1.9	SSW (14:50)
21	SW (14.9)	0.9	3.1	N (11:50)	NNW (14.9)	0.8	2.6	NNW (11:50)	N (12.8)	0.2	1.2	N (11:50)
22	WNW (33.3)	2.4	5.2	WSW (18:20)	W (28.6)	2.1	3.7	W (21:10)	WSW (26.2)	0.6	1.9	SW (17:50)
23	WNW (22.9)	1.5	6.0	WNW (20:40)	WSW (27.1)	1.4	3.7	W (20:40)	SW (18.8)	0.3	1.5	SW (12:50)
24	WSW (22.9)	1.0	5.7	WSW (15:50)	WSW (30.6)	1.2	4.2	SW (15:50)	SW (19.4)	0.3	2.2	SSW (15:10)
25	WSW (21.5)	1.3	5.3	WSW (14:40)	SW (24.3)	1.3	4.4	SW (14:40)	SW (18.1)	0.5	2.9	SSW (14:40)
26	SW (15.3)	0.8	3.4	NNW (23:10)	SW (13.2)	1.0	2.9	SW (10:00)	SW (13.9)	0.3	1.9	SW (10:00)
27	W (10.4)	0.6	4.1	W (18:00)	WSW (13.2)	0.9	3.3	WSW (18:00)	SW (10.4)	0.2	1.2	NNE (12:20)
28	WSW (16.7)	1.0	4.7	SW (14:10)	SW (19.4)	1.2	4.0	SW (14:20)	SSW (13.2)	0.3	2.3	SW (14:20)
29	WSW (25.4)	1.4	4.8	WSW (21:10)	WSW (21.9)	1.3	3.7	WSW (17:50)	SW (15.8)	0.3	1.1	WSW (17:50)
30	SW (37.5)	1.7	5.3	SSW (17:00)	SW (33.3)	1.4	4.2	SSW (17:40)	SSW (23.6)	0.5	2.5	SSW (17:40)
월	SW (14.4)	1.7	11.6	WSW (6/ 2)	SW (17.8)	1.4	7.4	SW (6/ 2)	SW (13.6)	0.5	4.7	SSW (6/ 2)

표 4. 계속 (Continued: 2009년 7월)

높이	67 m				27 m				10 m			
	일	최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		최다풍향(%)	
			평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		
1	WSW (16.7)	1.6	4.5	WSW (16:40)	W (16.7)	1.2	3.5	WSW (15:30)	SW (11.1)	0.2	1.5	SW (17:00)
2	WSW (27.1)	1.5	6.0	WSW (12:50)	WSW (25.0)	1.3	4.8	NNW (15:10)	SW (14.6)	0.3	2.1	NNW (15:10)
3	WNW (20.1)	1.3	4.3	W (16:20)	WNW (17.4)	1.1	3.5	WSW (16:10)	WSW (12.5)	0.2	1.3	WSW (16:10)
4	W (9.7)	0.8	4.4	WNW (17:30)	WSW (9.0)	0.8	3.1	SW (18:30)	WSW (4.9)	0.1	1.3	WSW (18:40)
5	N (24.3)	1.0	4.4	N (20:40)	NNW (18.1)	0.8	3.5	NNW (20:40)	NNW (4.9)	0.2	0.9	NNW (14:30)
6	N (10.4)	0.6	3.5	WNW (19:20)	NNW (11.8)	0.7	2.4	SSW (18:50)	NNW (5.6)	0.1	0.8	SSW (18:50)
7	ESE (18.8)	1.5	4.8	ESE (11:00)	E (16.0)	1.3	3.9	E (11:10)	ENE (20.1)	0.4	1.9	ENE (11:10)
8	SW (11.8)	1.0	7.6	SW (24:00)	SW (9.0)	0.9	5.9	SSW (24:00)	SSW (6.9)	0.2	3.4	SSW (24:00)
9	SW (34.7)	4.8	12.5	SW (14:40)	SW (41.0)	3.4	8.5	SW (15:10)	SW (31.9)	1.5	5.1	SSW (15:10)
10	W (20.8)	1.6	4.0	WSW (20:10)	WSW (33.3)	1.2	3.1	WSW (19:00)	SW (6.9)	0.2	1.5	NNE (12:40)
11	E (6.9)	1.1	5.2	WSW (19:00)	WSW (10.4)	0.8	3.8	WSW (19:00)	SW (9.7)	0.2	1.7	SW (19:00)
12	SW (36.8)	4.7	11.3	WSW (16:20)	SW (43.1)	3.0	8.0	SW (14:10)	SW (34.0)	1.4	5.1	SSW (12:30)
13	SW (34.7)	2.3	7.8	SW (18:10)	SW (38.9)	1.5	5.4	SW (18:10)	SW (24.3)	0.6	3.3	SW (18:10)
14	SW (52.1)	5.5	14.5	SW (17:50)	SW (60.7)	3.8	10.3	SW (17:50)	SW (34.2)	1.3	5.5	SSW (17:40)
15	WSW (32.6)	2.1	5.6	WSW (15:10)	SW (30.6)	1.4	4.7	SW (14:40)	SSW (0.7)	0.0	0.3	SSW (15:40)
16	S (13.9)	1.0	3.7	SE (14:40)	SSE (11.8)	0.8	2.9	ESE (14:40)	N (-)	0.0	0.1	ENE (14:30)
17	SSE (10.4)	0.6	4.4	SW (24:00)	WSW (8.3)	0.3	2.6	SSW (24:00)	N (-)	0.0	0.0	WNW (0:10)
18	WSW (54.9)	8.8	11.9	WSW (16:20)	SW (79.2)	6.0	8.4	SW (16:20)	SW (47.2)	1.2	4.2	SSW (8:20)
19	W (21.5)	2.2	9.8	WSW (0:10)	WSW (22.2)	1.6	5.9	SW (0:20)	SW (3.5)	0.1	1.6	SW (1:10)
20	WSW (23.6)	1.4	5.4	WSW (19:30)	SW (21.5)	1.1	3.8	SSW (19:40)	N (-)	0.0	0.0	SSW (15:50)
21	W (32.6)	3.1	6.6	W (17:30)	W (33.3)	2.2	4.6	WSW (15:30)	W (1.4)	0.0	0.4	W (15:10)
22	WSW (12.5)	0.6	3.5	WSW (1:50)	NNW (13.2)	0.7	2.8	NNE (15:10)	N (-)	0.0	0.1	NE (15:10)
23	SSE (8.3)	1.0	4.4	N (23:10)	N (7.6)	0.8	3.3	NNW (23:50)	N (-)	0.0	0.1	NNW (23:50)
24	E (25.0)	3.1	6.3	E (12:30)	N (26.4)	2.5	5.2	E (12:30)	ENE (20.8)	0.2	2.3	ENE (12:30)
25	NNE (41.7)	1.5	4.1	N (4:30)	N (48.6)	1.3	3.2	NNW (4:30)	N (-)	0.0	0.1	NNE (6:40)
26	E (38.9)	1.3	3.1	ESE (17:30)	ENE (21.5)	1.1	3.0	E (17:30)	N (-)	0.0	0.1	NE (11:50)
27	SSE (11.8)	1.1	4.6	ENE (19:50)	SE (8.3)	0.9	4.0	NE (19:50)	NE (0.7)	0.0	0.4	NE (19:50)
28	E (26.4)	1.8	4.0	SE (17:20)	ENE (20.1)	1.4	3.1	ESE (17:10)	N (-)	0.0	0.2	ENE (10:10)
29	N (26.4)	1.6	5.2	N (22:20)	NNW (27.8)	1.3	3.6	NNW (22:20)	N (-)	0.0	0.1	N (22:30)
30	N (31.9)	1.3	4.4	N (20:20)	NNW (26.4)	1.1	3.1	NNW (20:20)	N (-)	0.0	0.0	N (12:30)
31	SSE (13.9)	0.8	4.0	NNW (17:00)	SE (11.1)	0.8	3.1	NW (17:00)	N (-)	0.0	0.1	ENE (13:00)
월	WSW (12.6)	2.0	14.5	SW (7/14)	SW (14.2)	1.5	10.3	SW (7/14)	SW (7.1)	0.3	5.5	SSW (7/14)

표 4. 계속 (Continued: 2009년 8월)

높이	67 m				27 m				10 m			
	일	최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		월	
			평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		
1	N (27.1)	1.1	4.5	NNW (20:30)	NNW (24.3)	0.9	2.6	NNW (20:30)	N (-)	0.0	0.1	NNE (13:40)
2	ESE (22.2)	1.3	4.0	ESE (18:20)	E (16.7)	1.0	3.5	ENE (18:20)	ENE (2.1)	0.0	0.9	ENE (18:30)
3	SE (27.1)	1.9	4.1	SE (13:50)	SE (21.5)	1.3	3.6	E (14:00)	ENE (2.1)	0.0	0.5	ENE (11:20)
4	ESE (31.9)	1.9	4.7	E (11:10)	E (22.9)	1.4	3.9	NE (10:40)	ENE (7.6)	0.1	1.0	NE (11:10)
5	ESE (48.6)	3.5	6.0	SE (16:50)	ESE (41.0)	2.5	4.7	SE (16:50)	ENE (18.1)	0.2	1.8	NE (16:30)
6	ESE (56.9)	2.9	5.6	SE (0:10)	E (38.2)	2.2	4.8	ESE (14:50)	ENE (18.1)	0.1	1.1	ENE (10:40)
7	ENE (19.4)	1.6	5.0	SE (15:00)	NE (13.9)	1.1	3.5	SE (14:00)	ENE (0.7)	0.0	0.8	ENE (14:30)
8	ESE (29.2)	1.9	4.9	SE (18:20)	E (19.4)	1.3	3.6	SE (18:20)	ENE (1.4)	0.0	0.5	ENE (15:10)
9	ESE (56.3)	3.9	6.4	SE (11:20)	E (47.9)	2.9	5.2	ESE (12:10)	ENE (10.4)	0.2	1.8	E (12:20)
10	SE (39.6)	3.5	7.6	SE (12:50)	ESE (30.6)	2.7	5.9	ESE (12:50)	ENE (8.3)	0.2	1.6	E (12:30)
11	ESE (43.1)	2.2	4.6	SE (1:30)	E (35.4)	1.7	3.9	E (8:10)	ENE (2.1)	0.1	0.5	ENE (3:30)
12	SW (32.6)	1.9	5.0	SW (12:30)	SSW (20.1)	1.2	3.7	NNW (24:00)	SW (0.7)	0.0	0.2	SW (11:50)
13	N (27.8)	2.0	5.3	N (0:10)	SW (18.8)	1.3	4.3	NNW (0:10)	N (-)	0.0	0.1	N (0:10)
14	N (35.4)	1.2	4.6	N (21:10)	NNW (27.1)	0.9	3.3	NNW (21:30)	N (-)	0.0	0.0	N (21:30)
15	N (25.7)	0.8	2.5	N (19:40)	NNW (20.8)	0.6	2.0	NNW (18:40)	N (-)	0.0	0.0	NNE (12:20)
16	E (22.2)	2.0	6.3	ESE (11:30)	ENE (13.9)	1.4	5.1	E (11:30)	ENE (9.7)	0.1	1.6	ENE (11:20)
17	ESE (38.2)	2.0	5.3	ESE (15:10)	E (30.6)	1.5	4.4	E (15:10)	ENE (6.3)	0.1	0.8	ENE (15:00)
18	N (9.7)	0.3	1.8	N (15:30)	NNW (15.3)	0.4	1.8	N (14:10)	N (-)	0.0	0.0	SSE (8:20)
19	WSW (27.8)	1.5	4.7	SW (24:00)	SW (31.3)	1.0	3.1	WSW (17:30)	SSW (0.7)	0.0	0.2	SSW (17:10)
20	SW (48.3)	4.4	8.4	SW (12:40)	SW (32.2)	2.9	6.4	SW (12:40)	SSW (13.3)	0.2	2.4	SSW (8:40)
21	N (13.2)	0.6	3.3	WNW (1:50)	NNW (18.8)	0.6	2.5	NNE (10:00)	N (-)	0.0	0.1	NNE (9:50)
22	WSW (16.0)	0.9	3.8	WNW (14:20)	W (16.0)	0.8	2.9	W (14:20)	N (-)	0.0	0.0	WNW (13:20)
23	NNW (18.1)	1.5	4.9	WNW (19:10)	NW (14.6)	1.1	3.4	W (19:20)	N (-)	0.0	0.1	N (14:20)
24	ESE (13.2)	1.0	3.9	SE (23:30)	ESE (11.1)	0.8	2.5	ESE (23:30)	N (-)	0.0	0.2	ENE (23:40)
25	NW (12.5)	0.9	3.1	WNW (17:50)	WSW (8.3)	0.5	2.2	ESE (0:10)	N (-)	0.0	0.0	SSW (11:00)
26	WSW (46.5)	2.3	6.3	WSW (16:30)	SW (41.7)	1.5	5.0	SW (16:30)	SW (3.5)	0.1	1.1	SW (14:50)
27	SW (36.1)	2.9	8.1	SW (9:30)	SSW (27.1)	1.7	5.2	SSW (9:40)	SSW (4.2)	0.1	1.6	SW (9:30)
28	NNW (20.8)	1.7	5.4	NNW (21:30)	NW (15.3)	1.1	3.7	WSW (14:50)	SW (0.7)	0.0	0.3	SW (14:30)
29	ESE (32.6)	2.2	4.9	ESE (17:50)	E (22.9)	1.7	4.2	E (17:50)	ENE (7.6)	0.1	1.1	ENE (18:00)
30	ESE (34.0)	2.7	5.3	N (7:10)	E (27.1)	1.8	4.1	NNW (7:00)	ENE (1.4)	0.0	0.4	ENE (2:40)
31	ESE (54.9)	2.7	6.8	ESE (11:00)	E (38.9)	1.8	5.2	E (11:00)	E (18.8)	0.5	2.7	E (11:00)
월	ESE (17.9)	2.0	8.4	SW (8/20)	E (13.3)	1.4	6.4	SW (8/20)	ENE (3.5)	0.1	2.7	E (8/31)

표 4. 계속 (Continued: 2009년 9월)

높이	67 m				27 m				10 m			
	일	최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		월	
			평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		
1	ESE (32.0)	2.7	6.2	SE (10:00)	ESE (19.5)	1.7	4.8	ESE (9:30)	ENE (19.7)	0.6	1.9	ENE (0:30)
2	ESE (38.9)	2.4	4.8	SE (9:10)	E (23.6)	1.5	3.9	E (10:20)	ENE (20.1)	0.6	2.2	ENE (10:20)
3	E (31.9)	1.3	4.0	ESE (1:20)	E (16.0)	0.8	3.1	NE (14:00)	ENE (10.4)	0.3	1.5	ENE (11:50)
4	ENE (19.4)	1.2	2.9	NNE (19:30)	NNW (17.4)	0.8	2.5	N (16:50)	NNW (6.3)	0.2	1.2	N (13:30)
5	N (22.2)	1.3	3.3	N (23:30)	NNW (25.7)	0.9	2.3	NNW (16:00)	NNW (11.1)	0.2	0.9	NNW (16:00)
6	N (31.9)	1.1	3.8	N (20:40)	NNW (20.1)	0.8	2.7	NNW (20:20)	N (16.0)	0.2	1.2	NNE (13:20)
7	W (16.7)	1.5	4.6	NW (20:10)	WSW (20.8)	1.1	3.3	WNW (20:00)	WSW (9.0)	0.2	1.3	NNE (12:20)
8	NNW (24.3)	1.6	5.8	N (19:50)	NNW (24.3)	1.2	3.9	NNW (19:30)	N (15.3)	0.4	1.8	N (19:50)
9	N (14.6)	1.2	5.0	N (19:10)	NNW (12.5)	0.9	3.4	W (15:20)	N (9.0)	0.3	1.4	WSW (15:20)
10	N (20.8)	1.1	5.1	N (20:00)	NNW (25.0)	1.0	2.8	NNW (20:00)	NNW (14.6)	0.3	1.0	WNW (12:40)
11	WSW (18.8)	1.0	4.4	WSW (17:40)	SW (15.3)	0.6	3.1	WSW (23:20)	SW (9.0)	0.2	1.4	SW (23:00)
12	SW (22.9)	3.0	8.5	WNW (13:50)	WSW (29.9)	2.0	7.2	W (13:50)	WSW (18.1)	0.7	3.4	WSW (13:50)
13	N (18.8)	1.2	4.9	N (20:50)	NNW (18.1)	1.0	3.5	NNW (20:50)	NNW (13.9)	0.3	1.3	NE (14:50)
14	WSW (11.8)	0.7	4.6	WNW (18:00)	WSW (13.9)	0.5	2.8	W (18:00)	SW (3.5)	0.1	1.0	SW (17:50)
15	N (18.8)	0.9	3.5	N (18:50)	NNW (14.6)	0.7	2.8	NNE (12:40)	NNE (6.3)	0.2	1.7	NNE (12:40)
16	N (16.7)	1.0	3.2	NNW (13:00)	NNW (18.8)	0.8	2.8	NNE (13:40)	N (6.9)	0.3	1.7	NNE (13:40)
17	N (16.7)	1.2	4.1	N (20:10)	NNW (14.6)	0.8	2.9	NNW (21:20)	NNW (11.1)	0.2	1.2	NNW (13:40)
18	NNW (18.1)	1.5	3.9	NNW (20:10)	NNE (13.9)	1.0	3.1	NNE (12:40)	NW (11.8)	0.3	1.8	NNE (11:30)
19	ESE (29.9)	2.4	5.5	SE (10:20)	E (18.1)	1.5	4.1	ESE (10:20)	ENE (19.4)	0.6	2.5	ENE (11:10)
20	NNW (13.9)	1.2	4.0	NNW (20:30)	NW (12.5)	0.8	3.2	ESE (10:30)	SE (6.3)	0.3	1.3	ENE (12:30)
21	SW (27.1)	0.9	3.3	SW (18:10)	SW (16.7)	0.6	2.5	SSW (14:40)	SSW (12.5)	0.2	1.5	SSW (14:30)
22	N (47.2)	1.6	3.5	N (5:50)	NNW (41.0)	1.2	2.7	N (19:10)	N (16.7)	0.3	1.2	NE (11:30)
23	N (22.9)	1.0	5.5	N (19:40)	NNW (20.1)	0.8	3.8	NNW (19:40)	N (10.4)	0.2	1.1	N (19:40)
24	N (20.1)	0.6	2.6	NNW (14:30)	NNW (18.8)	0.6	2.5	NNW (13:20)	NNW (11.8)	0.2	1.2	NW (13:20)
25	N (13.2)	0.4	2.8	N (18:30)	NNW (16.7)	0.4	2.4	NNW (18:20)	N (6.9)	0.1	0.8	N (13:00)
26	E (25.7)	1.5	5.4	E (12:10)	E (20.1)	1.2	4.4	E (12:10)	ENE (18.8)	0.5	2.8	ENE (12:10)
27	ESE (19.4)	1.4	5.1	SSE (12:50)	ENE (8.3)	0.8	4.1	SE (12:50)	ENE (5.6)	0.2	1.9	N (23:40)
28	N (34.7)	1.8	5.4	N (0:50)	N (25.0)	1.4	4.6	NNW (0:50)	N (30.6)	0.5	1.8	N (2:30)
29	E (34.0)	1.1	3.8	ESE (13:30)	ENE (20.1)	0.9	3.4	E (13:30)	ENE (16.0)	0.3	1.7	ENE (13:30)
30	ESE (22.9)	1.0	3.6	SE (12:50)	ESE (10.4)	0.6	3.1	ENE (14:20)	ENE (7.6)	0.2	1.8	ENE (14:20)
월	N (12.4)	1.4	8.5	WNW (9/12)	NNW (11.7)	1.0	7.2	W (9/12)	N (5.8)	0.3	3.4	WSW (9/12)

표 4. 계속 (Continued: 2009년 10월)

높이	67 m				27 m				10 m			
	일	최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		월	
			평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		
1	N (12.5)	0.7	4.7	N (22:00)	NNW (9.7)	0.6	3.5	NNW (22:00)	N (4.9)	0.1	1.3	ENE (11:10)
2	N (27.8)	2.3	6.5	NNW (16:50)	NNW (20.1)	1.5	4.6	NNW (16:40)	WNW (14.6)	0.5	2.5	NNW (16:40)
3	W (12.5)	1.6	6.0	WSW (23:40)	W (14.6)	1.1	3.8	WSW (23:40)	SW (6.9)	0.4	2.1	SW (23:40)
4	N (16.7)	1.5	6.4	WSW (1:00)	NNW (18.1)	1.1	3.7	NNW (6:10)	NNW (11.1)	0.3	2.0	SSW (1:40)
5	WSW (10.4)	0.5	2.4	WSW (8:30)	NNW (12.5)	0.6	2.2	WSW (3:10)	NNW (4.9)	0.2	1.4	SSW (8:30)
6	N (15.3)	1.2	4.9	N (21:00)	N (19.4)	1.0	3.4	NNW (20:50)	N (9.7)	0.3	1.6	N (15:10)
7	NE (35.4)	2.8	7.0	ENE (15:10)	N (31.3)	2.3	6.0	NE (15:10)	NNE (27.8)	1.1	3.6	NE (15:10)
8	NNE (28.5)	2.3	4.9	N (2:00)	N (56.3)	1.8	3.9	N (2:00)	N (27.8)	0.7	2.2	N (9:00)
9	N (16.0)	1.0	3.6	N (19:40)	NNW (18.8)	0.7	2.9	N (13:20)	N (9.7)	0.2	1.7	N (13:20)
10	WSW (17.4)	1.2	3.7	NNW (19:30)	N (11.8)	0.8	2.6	NNE (14:20)	NW (11.1)	0.3	1.6	NNE (14:30)
11	WSW (9.7)	0.8	3.1	NW (17:10)	WSW (12.5)	0.6	2.7	NNW (15:40)	NNW (6.3)	0.2	1.4	N (14:30)
12	WNW (27.8)	1.6	4.3	WNW (16:50)	WSW (22.2)	1.2	2.8	W (19:40)	WSW (13.2)	0.4	1.5	SSW (12:50)
13	WSW (31.9)	1.8	8.1	N (15:50)	WSW (24.3)	1.3	7.2	NNW (15:50)	SW (16.0)	0.5	3.9	N (15:50)
14	N (13.2)	1.3	4.1	N (13:50)	NNW (15.3)	1.0	3.3	NNE (14:10)	N (11.1)	0.3	1.7	NNE (15:00)
15	WSW (28.5)	1.7	4.2	NW (18:40)	SW (27.1)	1.1	3.2	W (13:50)	SW (8.3)	0.3	1.7	W (14:10)
16	WSW (47.2)	1.9	6.1	WSW (16:40)	SW (40.1)	1.2	4.1	SW (13:10)	SW (22.5)	0.5	2.6	SSW (13:10)
17	W (34.0)	3.6	8.9	WNW (1:40)	WSW (34.0)	2.5	6.8	WNW (1:40)	WSW (29.9)	0.9	3.2	W (10:30)
18	WNW (22.2)	2.1	4.7	W (14:30)	WSW (23.6)	1.3	3.4	WSW (14:30)	WSW (20.8)	0.4	1.9	SW (12:30)
19	WNW (36.8)	4.2	11.3	WSW (6:40)	W (47.2)	2.8	6.6	WSW (6:40)	WSW (24.3)	1.2	3.4	SW (6:40)
20	N (23.6)	2.0	4.6	WNW (4:00)	WSW (27.1)	1.3	2.9	W (4:00)	N (12.5)	0.4	1.7	NNE (11:30)
21	N (20.1)	1.9	6.4	NNW (6:30)	NNW (23.6)	1.3	4.7	NNW (6:30)	NNW (16.7)	0.5	2.2	NNW (6:30)
22	WSW (12.5)	0.3	2.3	WSW (24:00)	SW (8.3)	0.2	1.4	E (13:10)	E (3.5)	0.1	0.9	SSW (9:30)
23	WSW (28.5)	1.0	3.2	WSW (2:30)	WSW (20.8)	0.8	2.9	SW (7:10)	SW (9.7)	0.3	2.4	WSW (7:00)
24	ESE (31.3)	1.7	4.4	E (10:30)	E (28.5)	1.3	3.8	E (11:40)	ENE (29.9)	0.6	2.5	ENE (10:30)
25	ESE (38.9)	2.0	4.3	SE (11:30)	ENE (20.8)	1.2	3.7	ESE (11:30)	ENE (13.9)	0.4	1.8	ENE (0:50)
26	N (26.4)	1.0	3.4	NNW (13:20)	NNW (18.8)	0.8	3.1	NW (13:20)	N (8.3)	0.3	2.0	N (11:50)
27	N (19.4)	1.1	4.7	N (18:40)	NNW (13.9)	0.8	3.0	W (12:40)	N (14.6)	0.3	2.0	WSW (12:40)
28	N (11.8)	0.5	2.6	SW (7:20)	WSW (9.7)	0.5	2.3	SW (7:20)	SW (6.3)	0.2	1.4	SW (7:20)
29	WSW (21.5)	0.8	5.7	SW (15:20)	SW (16.7)	0.6	4.4	SW (15:20)	SW (11.1)	0.3	2.7	SW (15:20)
30	ESE (11.1)	0.7	2.9	SE (14:30)	SW (8.3)	0.6	2.3	ENE (11:20)	ENE (7.6)	0.2	1.4	ENE (11:20)
31	WSW (29.9)	3.3	9.4	WSW (14:50)	SW (46.5)	2.4	6.6	SW (15:50)	SW (32.6)	1.3	4.3	SW (15:50)
월	WSW (11.8)	1.6	11.3	WSW (10/19)	WSW (11.5)	1.2	7.2	NNW (10/13)	SW (6.0)	0.4	4.3	SW (10/31)

표 4. 계속 (Continued: 2009년 11월)

높이	67 m				27 m				10 m			
	일	최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		월	
			평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		
1	WNW (31.9)	2.8	5.4	NW (8:30)	W (34.0)	1.9	3.8	WNW (8:30)	W (22.2)	0.6	1.9	NNW (14:30)
2	NNW (38.2)	3.7	8.2	NNW (11:20)	NNW (28.5)	2.4	5.8	NNW (11:20)	NNW (24.3)	1.3	3.6	NNW (11:30)
3	WSW (37.5)	1.8	4.4	SW (17:20)	SW (33.3)	0.7	2.7	WSW (14:40)	SW (18.8)	0.5	2.2	SSW (10:00)
4	SW (55.6)	3.2	8.0	SW (14:50)	SW (47.9)	1.7	5.2	SW (14:50)	SSW (40.3)	1.2	3.5	SSW (14:20)
5	SW (41.0)	2.9	5.7	WSW (13:20)	SW (40.3)	1.3	4.7	SW (13:20)	SW (28.5)	0.8	3.2	SW (13:20)
6	WSW (33.3)	1.8	8.0	WSW (15:00)	WSW (16.7)	1.1	5.6	WSW (13:40)	SW (18.1)	0.6	3.3	SW (13:40)
7	WSW (29.2)	1.1	5.3	WSW (16:00)	SW (25.7)	0.5	3.5	SW (15:40)	SW (11.1)	0.3	2.5	SW (15:40)
8	SW (11.1)	0.7	5.4	NW (11:40)	N (9.0)	0.5	4.0	WNW (11:40)	SW (4.2)	0.1	1.5	WNW (11:40)
9	ENE (17.4)	1.5	4.2	ESE (22:10)	NE (21.5)	1.2	3.4	E (22:10)	ENE (15.3)	0.4	2.1	NNE (14:20)
10	ESE (68.8)	4.4	7.6	ESE (12:20)	E (54.9)	3.5	6.9	E (12:20)	ENE (56.9)	1.6	3.7	ENE (12:20)
11	SE (27.1)	4.9	8.2	ESE (23:20)	ESE (32.6)	3.7	6.5	E (23:20)	N (21.5)	1.6	3.7	ENE (22:50)
12	ESE (59.0)	5.6	8.7	SE (10:10)	ESE (50.0)	4.4	6.9	ESE (10:50)	ENE (41.0)	1.9	4.2	ENE (5:40)
13	N (36.1)	2.0	4.9	ESE (5:10)	NNW (38.2)	1.4	3.6	ESE (5:10)	N (22.2)	0.4	1.8	ENE (1:40)
14	WNW (31.9)	3.2	5.8	W (23:30)	W (25.0)	2.1	4.5	WSW (13:40)	W (25.7)	0.9	2.6	NW (17:00)
15	NNW (27.1)	2.0	5.9	NNW (15:00)	NNW (24.3)	1.4	4.6	NNW (15:00)	NNW (16.7)	0.6	2.6	NNW (15:10)
16	N (44.4)	2.0	4.9	NNW (15:10)	NNW (35.4)	1.3	3.7	NNW (15:10)	N (31.3)	0.6	1.9	NNW (14:10)
17	N (45.1)	2.4	5.6	NNW (15:10)	N (29.9)	1.6	4.5	NW (15:10)	N (23.6)	0.8	2.7	NNW (15:10)
18	N (29.9)	1.8	4.7	NNW (10:40)	NNW (22.9)	1.2	4.3	NNE (13:40)	NNW (14.6)	0.6	2.8	NNE (13:40)
19	WSW (22.2)	1.6	5.3	NNW (16:20)	SW (21.5)	1.2	3.9	NNW (15:40)	SW (15.3)	0.5	2.4	N (13:40)
20	N (22.9)	1.2	5.3	NNW (15:00)	N (14.6)	0.9	4.1	NNW (15:00)	N (8.3)	0.4	2.4	NNW (15:00)
21	N (52.8)	2.2	4.3	NNW (1:10)	NNW (31.9)	1.5	3.5	NNW (13:40)	N (35.4)	0.7	2.1	NNW (13:40)
22	WSW (26.4)	1.2	3.2	SW (23:00)	WSW (22.9)	0.8	2.8	WSW (22:10)	SW (14.6)	0.4	1.5	ESE (13:50)
23	WSW (35.4)	1.2	3.9	W (14:30)	SW (24.3)	1.0	3.2	WSW (14:30)	SW (16.0)	0.4	1.9	SW (14:30)
24	N (10.4)	0.5	2.8	N (17:10)	NNW (10.4)	0.3	2.4	NNW (17:10)	ENE (4.2)	0.1	1.0	ENE (15:20)
25	WSW (13.2)	0.8	9.7	N (10:30)	WSW (11.1)	0.6	7.1	NNW (10:30)	SW (11.1)	0.2	4.0	NNW (10:30)
26	SW (9.5)	0.4	2.4	N (18:30)	SW (8.6)	0.3	1.8	NNW (18:30)	N (5.7)	0.1	1.0	SW (9:00)
27	N (26.4)	1.4	4.0	NNW (22:10)	NNW (23.6)	1.0	3.0	NNW (14:10)	N (22.2)	0.3	1.6	N (15:00)
28	N (55.6)	1.4	3.8	N (6:30)	N (28.5)	1.1	2.9	N (6:20)	N (22.9)	0.4	1.3	N (6:30)
29	WSW (18.8)	0.5	2.6	W (19:40)	WSW (14.6)	0.4	1.8	NNW (7:40)	SW (3.5)	0.1	0.8	WSW (23:20)
30	WSW (26.4)	0.9	3.4	WSW (7:50)	WSW (16.0)	0.9	2.9	WSW (8:00)	SW (9.7)	0.4	1.8	SW (8:00)
월	N (15.5)	2.1	9.7	N (11/25)	NNW (13.3)	1.4	7.1	NNW (11/25)	N (8.7)	0.6	4.2	ENE (11/12)

표 4. 계속 (Continued: 2009년 12월)

높이	67 m				27 m				10 m			
	일	최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		최다풍향(%)	풍속 (m/sec)		월	
			평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		평균	최대: 풍향(시:분)		
1	NNE (11.8)	0.6	3.0	N (13:10)	N (14.6)	0.6	2.8	NNE (14:50)	NNE (8.3)	0.2	1.7	NNE (14:50)
2	WSW (13.9)	0.6	2.6	N (20:20)	WSW (11.1)	0.5	2.3	SW (0:40)	SW (9.0)	0.2	1.2	SW (0:40)
3	N (11.8)	0.8	3.8	NNW (15:20)	N (13.2)	0.7	2.7	NNW (15:20)	N (9.7)	0.3	1.5	N (15:20)
4	WSW (13.9)	0.6	2.8	SSE (22:30)	NNW (9.0)	0.7	2.8	NNW (17:40)	N (10.4)	0.2	1.4	N (14:10)
5	W (47.9)	5.0	10.2	W (13:30)	W (51.4)	3.5	7.9	W (13:30)	W (37.5)	1.8	4.0	W (7:30)
6	N (29.9)	1.4	5.3	NNW (15:00)	NNW (22.9)	1.0	4.0	NNW (15:00)	N (18.1)	0.5	2.5	NNW (13:30)
7	NNE (11.1)	0.8	3.3	NNE (18:30)	N (10.4)	0.8	2.5	N (18:30)	NNW (10.4)	0.3	1.5	ENE (15:50)
8	N (20.1)	0.9	4.7	NNW (19:20)	N (19.4)	0.7	3.0	N (16:40)	N (14.6)	0.3	1.7	N (19:20)
9	E (23.6)	1.3	4.1	ESE (12:50)	E (20.8)	1.0	3.4	ESE (12:50)	ENE (20.1)	0.4	1.6	ENE (17:00)
10	E (47.9)	2.2	5.1	ESE (9:30)	E (38.2)	1.5	4.0	E (9:30)	ENE (37.5)	0.6	2.0	ENE (10:40)
11	N (14.6)	1.4	5.2	NW (19:40)	NNW (14.6)	1.1	3.9	NW (19:40)	N (11.8)	0.4	1.8	NW (19:40)
12	N (24.3)	2.4	4.9	N (19:00)	NNW (21.5)	1.8	3.2	N (18:50)	N (23.6)	0.7	2.1	N (19:10)
13	N (26.4)	1.1	3.9	NNW (19:10)	N (25.7)	0.8	3.2	NNE (14:00)	N (18.1)	0.4	1.7	NNE (14:10)
14	NNW (22.9)	1.6	4.7	N (12:40)	NNW (16.7)	1.1	4.1	NNW (12:40)	N (18.1)	0.6	2.6	N (12:10)
15	N (40.3)	2.2	5.2	NNW (13:00)	NNW (36.8)	1.6	4.3	NNW (13:00)	N (31.3)	0.8	2.9	NNW (13:00)
16	NNW (44.4)	2.6	5.8	NNW (0:30)	NNW (52.1)	1.8	4.4	NNW (14:30)	N (27.8)	0.9	2.6	NNW (14:30)
17	N (39.6)	1.7	3.3	NNW (16:10)	NNW (32.6)	1.3	3.2	NNE (14:10)	N (27.1)	0.6	2.3	NNE (14:10)
18	N (31.3)	2.3	5.0	WNW (23:20)	N (29.2)	1.7	4.4	N (14:00)	N (25.7)	0.9	2.8	N (14:00)
19	N (25.7)	2.0	4.0	W (22:30)	N (25.0)	1.6	3.1	W (20:50)	NNE (22.2)	0.8	2.1	NNE (12:10)
20	W (19.4)	1.7	4.2	NNW (17:40)	W (16.0)	1.3	3.4	W (15:10)	W (11.1)	0.5	2.0	WSW (15:10)
21	WSW (29.9)	1.4	3.2	W (16:00)	WSW (28.5)	1.1	2.8	NW (14:20)	WSW (18.8)	0.5	2.0	SSW (11:40)
22	WSW (42.4)	2.2	8.1	WSW (15:00)	SW (31.9)	1.4	5.9	WSW (15:00)	SW (30.6)	0.7	3.6	SW (15:00)
23	N (20.1)	1.5	4.3	N (17:20)	NNW (18.8)	1.0	3.4	W (14:50)	N (13.2)	0.3	1.8	WSW (14:40)
24	N (13.9)	0.5	2.7	NNW (1:10)	NNW (11.8)	0.4	2.3	NNW (17:10)	N (10.4)	0.1	0.9	N (16:40)
25	W (29.2)	2.0	6.7	WNW (17:50)	W (28.5)	1.3	5.1	W (19:50)	W (19.4)	0.5	2.6	W (19:50)
26	N (39.6)	2.9	5.2	N (3:10)	NNW (35.4)	2.1	4.2	N (3:00)	N (34.0)	1.0	2.4	N (3:10)
27	N (29.2)	1.5	5.2	NNW (14:00)	N (18.8)	1.1	3.9	NNW (13:50)	N (16.0)	0.5	2.1	NNW (13:50)
28	N (29.9)	1.5	3.4	N (14:30)	N (22.9)	1.1	3.4	NNW (14:30)	N (16.7)	0.5	2.2	N (11:10)
29	SW (24.3)	1.1	5.4	SW (23:40)	SSW (14.6)	0.8	3.8	SW (23:40)	SSW (13.9)	0.4	2.1	SW (23:40)
30	W (34.0)	4.0	7.9	W (9:40)	W (38.9)	2.8	5.7	W (12:00)	W (27.8)	1.4	3.2	WSW (11:50)
31	NNW (43.1)	2.6	8.4	NNW (13:50)	NNW (37.5)	1.9	6.1	NNW (14:20)	N (36.1)	0.9	4.0	NNW (13:50)
월	N (17.9)	1.8	10.2	W (12/ 5)	NNW (14.2)	1.3	7.9	W (12/ 5)	N (13.6)	0.6	4.0	W (12/ 5)

표 5. 기온의 월간 통계값 (Monthly statistics of temperature: 2009년 1월)

높이	67 m			27 m			10 m			1.5 m		
	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)
1	-5.0	-1.7 (16:30)	-8.1 (8:20)	-6.0	-2.3 (16:20)	-9.4 (8:00)	-5.2	-1.5 (16:20)	-8.6 (7:30)	-6.3	-1.5 (15:10)	-10.7 (7:30)
2	-2.6	2.4 (16:10)	-6.9 (9:20)	-3.9	2.2 (15:10)	-9.3 (7:30)	-3.5	2.9 (15:10)	-8.6 (8:30)	-4.7	3.4 (15:20)	-10.6 (7:30)
3	-0.7	4.0 (16:30)	-6.0 (9:00)	-2.1	3.6 (16:10)	-7.8 (8:20)	-1.8	4.2 (15:00)	-7.2 (8:10)	-3.0	4.2 (14:50)	-9.1 (8:10)
4	0.4	4.2 (15:50)	-3.0 (6:50)	-0.7	4.0 (15:50)	-5.0 (6:50)	-0.4	4.7 (15:20)	-4.6 (6:50)	-1.6	4.8 (15:20)	-6.2 (6:50)
5	-0.3	3.0 (13:10)	-2.8 (8:00)	-1.4	3.0 (13:10)	-5.0 (7:40)	-0.9	3.9 (13:10)	-4.7 (7:40)	-2.2	4.2 (13:10)	-6.6 (7:50)
6	-1.4	1.6 (16:10)	-5.7 (8:50)	-2.5	1.3 (15:30)	-6.9 (7:50)	-2.0	2.1 (15:10)	-6.4 (8:10)	-3.1	2.0 (15:30)	-8.3 (8:00)
7	-0.7	3.2 (16:40)	-4.9 (9:30)	-1.8	2.9 (16:30)	-6.4 (7:40)	-1.5	3.5 (16:10)	-6.0 (8:30)	-2.8	3.3 (15:40)	-7.8 (8:30)
8	-0.8	3.1 (15:30)	-5.0 (8:40)	-2.0	3.0 (15:30)	-6.3 (7:10)	-1.6	3.7 (15:20)	-5.7 (8:20)	-3.0	3.6 (15:10)	-7.6 (7:10)
9	-2.2	0.8 (15:20)	-5.0 (8:50)	-3.4	0.4 (15:20)	-7.0 (8:10)	-2.8	1.3 (15:20)	-6.7 (8:10)	-4.0	1.2 (15:20)	-8.7 (8:00)
10	-4.7	-2.4 (15:50)	-6.4 (9:40)	-5.6	-2.9 (16:00)	-7.3 (6:00)	-4.6	-2.0 (15:10)	-6.3 (6:00)	-5.4	-1.5 (15:20)	-7.4 (23:40)
11	-4.9	-0.8 (14:20)	-7.5 (5:30)	-5.9	-1.0 (14:20)	-9.5 (5:30)	-5.0	0.0 (14:20)	-9.0 (5:20)	-5.9	0.9 (14:30)	-11.1 (6:00)
12	-5.8	-2.4 (15:50)	-8.9 (7:50)	-6.7	-2.8 (15:50)	-10.3 (7:50)	-5.7	-1.9 (15:50)	-9.6 (8:10)	-6.3	-2.3 (15:50)	-10.6 (8:20)
13	-3.9	-0.2 (16:30)	-7.1 (7:50)	-4.9	-0.6 (16:00)	-9.3 (7:50)	-4.3	0.1 (16:00)	-8.8 (7:30)	-5.4	0.7 (15:20)	-10.5 (7:10)
14	-4.1	-2.3 (0:30)	-7.3 (24:00)	-4.9	-3.0 (14:40)	-8.6 (23:50)	-4.1	-2.1 (14:40)	-8.1 (23:50)	-5.0	-2.0 (14:00)	-10.0 (24:00)
15	-5.6	-1.5 (16:20)	-10.0 (9:10)	-6.8	-1.9 (16:20)	-12.1 (8:10)	-6.3	-1.1 (15:30)	-11.6 (8:00)	-7.8	-0.6 (15:30)	-13.9 (8:00)
16	-1.3	2.7 (15:10)	-5.6 (2:00)	-2.3	2.4 (15:10)	-8.0 (2:00)	-1.8	3.1 (15:10)	-7.6 (2:00)	-2.8	2.7 (15:10)	-9.5 (2:10)
17	1.5	5.9 (16:10)	-1.5 (8:50)	0.7	5.9 (16:00)	-2.5 (3:40)	1.2	6.5 (15:40)	-1.8 (3:40)	0.4	6.9 (15:30)	-2.8 (2:40)
18	4.2	8.5 (15:20)	0.9 (5:30)	3.0	8.4 (15:20)	-1.1 (5:20)	3.3	8.8 (15:20)	-0.9 (2:00)	2.3	8.9 (15:20)	-2.4 (2:10)
19	2.3	5.2 (15:10)	-0.1 (8:30)	1.6	5.2 (15:10)	-1.6 (8:30)	2.1	5.9 (15:10)	-1.0 (8:30)	1.2	6.5 (15:10)	-2.8 (7:50)
20	2.6	6.3 (16:10)	-0.7 (7:00)	1.9	6.3 (16:10)	-1.9 (7:00)	2.2	6.9 (15:50)	-1.3 (6:50)	1.3	7.2 (14:50)	-2.7 (7:30)
21	3.0	6.3 (16:10)	-0.2 (6:50)	2.1	6.3 (16:10)	-1.2 (7:20)	2.5	7.0 (16:00)	-1.0 (6:10)	1.5	7.4 (15:50)	-2.2 (6:20)
22	3.6	8.2 (16:20)	-1.0 (6:30)	2.8	8.3 (16:10)	-2.5 (6:30)	3.2	8.8 (16:10)	-2.1 (6:30)	2.4	9.7 (15:10)	-3.7 (6:30)
23	-5.7	1.6 (0:10)	-9.3 (23:50)	-6.6	1.1 (0:10)	-10.9 (23:50)	-5.5	1.9 (0:10)	-10.1 (23:50)	-6.1	1.6 (0:10)	-11.3 (24:00)
24	-5.9	-2.4 (13:20)	-10.2 (6:10)	-7.0	-2.9 (13:20)	-11.8 (2:40)	-6.1	-1.8 (13:20)	-11.4 (4:20)	-7.2	-1.8 (13:20)	-13.2 (5:10)
25	-2.7	1.2 (17:00)	-6.4 (6:30)	-3.5	0.8 (17:00)	-7.9 (8:10)	-2.7	1.5 (17:00)	-7.3 (8:00)	-3.4	0.9 (14:10)	-8.6 (7:30)
26	-1.4	0.8 (14:20)	-3.6 (9:20)	-2.5	0.8 (14:20)	-5.7 (6:20)	-2.0	1.7 (14:20)	-5.5 (6:20)	-3.2	2.1 (14:20)	-7.4 (6:10)
27	-1.3	2.8 (15:40)	-5.7 (8:20)	-2.4	2.8 (15:40)	-7.4 (8:20)	-2.1	3.5 (15:40)	-6.9 (7:50)	-3.1	4.3 (15:40)	-8.8 (8:00)
28	1.0	7.2 (15:50)	-5.4 (9:10)	-0.3	7.4 (15:50)	-7.0 (8:00)	-0.1	8.0 (16:00)	-6.9 (7:40)	-1.2	8.8 (15:20)	-8.7 (7:50)
29	2.2	6.3 (16:20)	-2.1 (8:10)	1.1	6.2 (16:20)	-3.0 (8:00)	1.6	6.8 (16:10)	-2.7 (4:10)	0.6	6.6 (16:10)	-4.2 (5:00)
30	6.6	10.5 (16:40)	2.9 (3:30)	5.8	10.5 (16:20)	1.1 (3:20)	6.1	11.0 (16:00)	1.6 (3:20)	5.6	11.1 (16:00)	0.7 (3:40)
31	5.9	9.7 (16:10)	2.6 (7:10)	5.3	9.9 (16:00)	0.2 (8:00)	5.6	10.3 (15:50)	0.6 (8:00)	4.9	11.0 (14:10)	-0.5 (8:00)
월	-0.9	10.5 (1/30)	-10.2 (1/24)	-1.9	10.5 (1/30)	-12.1 (1/15)	-1.4	11.0 (1/30)	-11.6 (1/15)	-2.4	11.1 (1/30)	-13.9 (1/15)

표 5. 계속 (Continued: 2009년 2월)

높이	67 m			27 m			10 m			1.5 m		
	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)
1	5.9	9.7 (16:20)	2.1 (9:00)	5.3	9.7 (16:20)	0.7 (8:10)	5.4	10.2 (15:50)	0.1 (8:10)	4.5	11.6 (14:40)	-1.5 (8:10)
2	6.5	10.4 (16:00)	2.0 (5:00)	5.7	10.6 (15:00)	0.7 (5:00)	5.9	11.1 (15:00)	0.8 (5:50)	5.0	11.3 (15:00)	-0.6 (5:50)
3	6.8	10.0 (15:50)	4.4 (24:00)	6.3	10.2 (15:40)	3.4 (24:00)	6.6	10.7 (15:40)	3.9 (24:00)	6.0	11.1 (15:40)	3.3 (24:00)
4	5.0	9.8 (17:00)	1.9 (3:10)	4.5	9.9 (16:40)	1.0 (2:10)	4.9	10.3 (16:50)	1.6 (2:10)	4.6	11.1 (15:10)	0.6 (24:00)
5	4.2	7.2 (15:30)	0.1 (5:00)	3.5	7.2 (15:30)	-0.8 (5:00)	4.0	7.8 (15:10)	-0.3 (4:00)	3.3	8.5 (15:10)	-2.0 (3:50)
6	4.2	8.7 (16:30)	-0.4 (7:50)	3.6	8.8 (16:30)	-1.3 (8:10)	3.9	9.3 (16:30)	-0.5 (8:00)	3.3	9.3 (16:40)	-1.1 (7:00)
7	3.5	7.4 (16:30)	-0.3 (6:30)	2.8	7.3 (15:20)	-1.3 (6:30)	3.3	8.1 (15:20)	-0.8 (6:20)	2.6	8.3 (15:20)	-2.1 (7:20)
8	4.4	9.1 (16:20)	0.4 (9:20)	3.8	9.2 (16:10)	-1.0 (7:20)	4.2	9.7 (16:10)	-0.7 (7:00)	3.7	10.4 (14:50)	-2.3 (7:50)
9	4.4	7.5 (16:20)	1.9 (6:20)	3.9	7.5 (15:50)	1.1 (6:30)	4.4	8.1 (15:50)	1.7 (6:30)	3.9	8.5 (15:50)	1.0 (7:20)
10	3.8	5.8 (17:20)	1.5 (5:00)	3.2	5.6 (17:10)	0.4 (4:30)	3.6	6.2 (17:10)	0.7 (4:40)	2.7	6.0 (16:50)	-0.4 (4:50)
11	6.7	11.7 (15:20)	3.3 (1:20)	6.2	12.0 (15:10)	2.0 (1:30)	6.3	12.5 (15:10)	1.7 (2:00)	5.4	13.3 (14:40)	-0.1 (2:00)
12	7.1	15.0 (23:30)	-0.0 (7:10)	6.2	14.7 (23:20)	-3.0 (8:10)	6.5	14.4 (23:30)	-2.2 (8:10)	5.6	13.6 (23:40)	-2.8 (6:50)
13	13.7	17.7 (10:30)	5.5 (24:00)	13.7	18.0 (10:30)	5.1 (24:00)	13.9	18.1 (10:30)	5.7 (24:00)	13.5	17.9 (10:30)	5.4 (24:00)
14	5.9	10.2 (16:10)	3.7 (7:00)	5.5	10.3 (16:00)	2.9 (23:50)	6.1	10.8 (16:00)	2.6 (24:00)	5.8	11.3 (14:30)	1.6 (24:00)
15	0.9	4.3 (0:10)	-3.1 (23:50)	0.1	3.0 (0:30)	-4.0 (23:40)	0.8	2.9 (0:40)	-3.1 (23:40)	0.1	2.6 (14:40)	-4.0 (23:40)
16	-4.2	-2.1 (15:20)	-6.4 (7:40)	-5.1	-2.6 (14:40)	-7.6 (7:40)	-4.1	-1.3 (14:40)	-6.6 (7:40)	-4.8	-1.2 (14:50)	-8.1 (6:40)
17	-3.8	0.7 (16:30)	-7.8 (8:10)	-4.6	0.2 (16:30)	-9.8 (7:30)	-3.9	1.0 (16:20)	-9.0 (7:20)	-4.8	1.2 (15:20)	-10.9 (7:40)
18	-1.4	2.4 (15:30)	-4.2 (6:30)	-2.3	2.1 (15:30)	-5.9 (7:50)	-1.6	3.0 (15:40)	-5.7 (7:40)	-2.6	3.1 (15:30)	-7.5 (7:10)
19	0.1	3.7 (15:20)	-2.4 (7:00)	-0.7	3.4 (15:20)	-3.4 (6:50)	0.1	4.1 (15:20)	-2.8 (6:30)	-0.5	3.8 (15:20)	-3.8 (2:30)
20	-0.3	2.1 (11:20)	-4.6 (23:50)	-1.1	1.8 (11:20)	-5.7 (24:00)	-0.3	2.5 (11:20)	-4.8 (23:50)	-0.9	2.7 (11:20)	-6.5 (24:00)
21	-1.2	4.1 (16:50)	-6.7 (8:20)	-2.1	4.1 (16:30)	-8.0 (7:10)	-1.6	4.9 (16:30)	-7.5 (7:40)	-2.5	5.7 (15:10)	-9.5 (7:30)
22	1.6	4.3 (19:20)	-1.5 (5:10)	0.6	3.4 (17:30)	-3.0 (5:20)	1.1	4.1 (17:20)	-2.4 (5:10)	0.0	3.5 (17:20)	-3.9 (4:30)
23	5.9	10.5 (15:20)	0.7 (7:30)	5.4	10.8 (14:20)	-0.8 (7:50)	5.9	11.6 (14:10)	-0.4 (7:40)	5.3	12.4 (14:20)	-1.4 (7:50)
24	8.6	11.1 (15:50)	5.9 (6:30)	8.3	11.3 (16:00)	4.8 (7:40)	8.7	11.8 (16:20)	5.1 (7:40)	8.3	12.3 (13:00)	3.8 (5:30)
25	4.6	8.1 (0:10)	0.1 (24:00)	4.1	7.6 (0:10)	-1.3 (23:50)	4.7	8.2 (14:10)	-1.4 (23:50)	4.3	8.6 (13:20)	-2.8 (24:00)
26	2.5	7.0 (16:30)	-1.2 (7:40)	2.0	6.9 (15:30)	-2.5 (7:40)	2.6	7.6 (15:10)	-2.3 (7:10)	2.1	8.0 (15:30)	-3.8 (7:40)
27	4.1	8.3 (16:40)	1.4 (8:20)	3.7	8.3 (16:40)	0.8 (7:50)	4.2	9.0 (15:50)	1.0 (23:40)	3.9	9.3 (15:50)	-0.8 (24:00)
28	4.2	9.6 (15:50)	-1.3 (8:00)	3.6	9.7 (15:50)	-2.6 (7:20)	3.9	10.4 (14:50)	-2.0 (7:20)	3.2	10.9 (15:00)	-3.5 (7:00)
월	3.7	17.7 (2/13)	-7.8 (2/17)	3.1	18.0 (2/13)	-9.8 (2/17)	3.6	18.1 (2/13)	-9.0 (2/17)	2.9	17.9 (2/13)	-10.9 (2/17)

표 5. 계속 (Continued: 2009년 3월)

높이	67 m			27 m			10 m			1.5 m		
	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)
1	4.5	10.7 (15:40)	0.2 (8:00)	3.8	10.9 (15:40)	-1.9 (7:50)	4.1	11.4 (15:20)	-1.9 (7:30)	3.4	12.3 (14:50)	-3.8 (7:30)
2	3.0	7.6 (15:00)	-2.5 (7:50)	2.5	7.7 (15:00)	-3.9 (7:50)	3.1	8.7 (15:00)	-3.8 (7:20)	2.6	9.9 (15:00)	-5.5 (7:30)
3	1.8	4.4 (0:30)	0.8 (8:20)	1.1	3.9 (0:10)	-0.1 (8:20)	1.7	4.6 (0:10)	0.6 (8:20)	1.4	4.4 (0:10)	0.2 (6:50)
4	4.1	7.7 (17:10)	1.1 (7:50)	3.5	7.7 (16:40)	0.2 (7:00)	3.9	8.3 (15:20)	0.8 (5:10)	3.3	9.0 (15:10)	-0.2 (5:00)
5	5.5	9.6 (14:20)	1.3 (6:10)	4.6	9.4 (14:30)	0.2 (4:10)	5.0	9.9 (14:00)	0.6 (4:10)	4.4	9.9 (14:10)	-0.7 (3:40)
6	3.3	6.4 (13:20)	-1.1 (24:00)	2.8	6.7 (13:20)	-2.1 (23:50)	3.5	7.4 (13:00)	-1.5 (23:50)	3.0	8.0 (14:00)	-2.8 (24:00)
7	2.4	7.5 (15:40)	-3.0 (6:20)	1.7	7.8 (15:20)	-4.3 (7:00)	2.2	8.4 (15:20)	-3.8 (6:10)	1.4	9.3 (15:30)	-5.9 (7:10)
8	6.2	12.2 (15:40)	0.4 (7:10)	5.7	12.6 (15:30)	-0.7 (7:10)	6.0	13.2 (15:10)	-0.0 (7:10)	5.3	14.1 (15:10)	-1.6 (7:10)
9	6.5	13.4 (17:00)	2.1 (8:20)	6.0	13.8 (16:50)	0.8 (8:20)	6.3	14.1 (16:40)	1.0 (6:20)	5.8	14.9 (15:30)	-0.5 (7:20)
10	4.7	9.0 (15:50)	1.1 (7:20)	4.3	9.2 (16:00)	0.1 (7:10)	4.8	9.9 (16:00)	0.0 (7:20)	4.2	10.4 (14:40)	-1.7 (7:30)
11	4.7	9.3 (16:50)	0.6 (7:40)	3.9	9.6 (16:40)	-0.6 (6:40)	4.2	10.1 (16:40)	-0.5 (6:40)	3.1	10.7 (16:40)	-2.2 (7:30)
12	7.9	13.7 (16:40)	0.3 (7:00)	7.3	14.2 (14:40)	-0.8 (7:20)	7.6	14.7 (14:40)	-0.9 (6:40)	7.0	15.7 (14:00)	-2.2 (6:40)
13	4.5	6.9 (0:10)	-1.4 (23:50)	4.0	6.5 (0:10)	-2.2 (23:50)	4.6	6.9 (0:10)	-1.3 (23:50)	4.1	6.6 (0:10)	-1.9 (24:00)
14	0.8	4.7 (15:10)	-2.2 (6:10)	0.2	4.7 (15:10)	-3.3 (6:10)	1.0	5.7 (15:10)	-2.6 (6:10)	0.5	6.4 (15:20)	-3.8 (6:20)
15	5.2	10.4 (15:10)	-0.6 (7:50)	4.8	10.7 (15:10)	-2.5 (5:00)	5.2	11.3 (15:10)	-2.1 (4:40)	4.5	11.9 (15:10)	-4.1 (5:50)
16	10.4	15.3 (15:10)	7.6 (24:00)	10.4	15.8 (15:10)	7.0 (23:50)	10.8	16.2 (15:10)	7.2 (24:00)	10.7	16.9 (15:10)	5.7 (24:00)
17	12.8	21.1 (15:40)	3.6 (8:00)	12.6	22.1 (15:40)	2.1 (7:30)	12.6	22.2 (15:40)	2.5 (7:20)	12.3	23.2 (15:40)	1.9 (7:20)
18	17.8	20.4 (15:10)	15.2 (0:10)	18.2	21.3 (15:10)	15.0 (0:10)	18.3	21.4 (15:10)	14.9 (0:10)	18.3	22.0 (15:10)	14.3 (0:20)
19	17.6	22.1 (15:10)	11.3 (24:00)	18.0	23.4 (15:10)	11.3 (24:00)	18.0	23.5 (15:10)	11.8 (24:00)	18.0	24.5 (15:20)	11.8 (24:00)
20	12.8	18.0 (17:50)	9.3 (6:50)	12.9	18.7 (17:20)	8.9 (6:50)	13.1	18.6 (17:20)	9.2 (6:10)	13.2	19.9 (15:30)	8.8 (6:10)
21	13.4	20.5 (15:30)	7.5 (7:50)	13.5	21.3 (15:30)	7.1 (7:20)	13.8	21.4 (15:30)	7.4 (7:10)	13.8	22.4 (14:30)	5.8 (6:50)
22	10.5	14.2 (1:40)	4.6 (24:00)	10.3	14.1 (1:50)	3.9 (24:00)	10.8	14.4 (1:50)	4.4 (24:00)	10.9	15.2 (15:40)	3.6 (24:00)
23	5.3	9.9 (15:20)	1.9 (7:00)	4.9	10.2 (15:00)	0.8 (7:00)	5.4	10.9 (15:00)	1.2 (6:10)	5.0	11.7 (15:00)	-0.6 (7:00)
24	3.2	7.3 (15:40)	-0.2 (22:50)	2.8	7.4 (15:40)	-1.0 (22:50)	3.6	8.1 (15:10)	-0.1 (23:50)	3.3	8.8 (15:40)	-0.9 (7:00)
25	2.7	6.5 (14:20)	-0.8 (4:30)	2.2	6.7 (14:40)	-2.0 (7:30)	2.9	7.6 (14:40)	-2.2 (6:30)	2.5	8.4 (14:50)	-3.4 (6:40)
26	5.4	8.5 (17:40)	2.5 (4:10)	5.0	8.4 (13:00)	1.5 (4:20)	5.6	9.0 (13:00)	2.0 (4:30)	5.0	9.2 (12:10)	0.4 (4:40)
27	4.3	7.7 (15:30)	1.7 (7:10)	3.9	7.8 (14:20)	0.5 (7:10)	4.5	8.7 (14:20)	1.0 (5:00)	4.0	9.7 (14:20)	-0.7 (5:00)
28	5.3	11.3 (16:40)	0.5 (7:30)	4.9	11.6 (16:40)	-0.7 (6:30)	5.4	12.1 (16:40)	-0.4 (7:00)	4.9	12.6 (16:40)	-2.0 (7:00)
29	6.2	11.6 (17:10)	0.7 (6:50)	5.8	11.8 (17:10)	-0.9 (7:00)	6.3	12.3 (15:50)	-0.4 (6:10)	5.9	13.3 (14:10)	-1.8 (6:20)
30	7.7	11.6 (15:30)	3.4 (24:00)	7.5	12.1 (14:10)	2.9 (24:00)	8.1	12.9 (14:10)	3.6 (24:00)	7.9	13.9 (14:20)	2.2 (6:50)
31	4.8	9.3 (15:30)	1.8 (3:30)	4.4	9.5 (15:30)	0.9 (7:00)	5.0	10.2 (15:20)	1.6 (6:50)	4.9	10.7 (15:20)	1.1 (6:50)
월	6.6	22.1 (3/19)	-3.0 (3/ 7)	6.2	23.4 (3/19)	-4.3 (3/ 7)	6.7	23.5 (3/19)	-3.8 (3/ 7)	6.3	24.5 (3/19)	-5.9 (3/ 7)

표 5. 계속 (Continued: 2009년 4월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	4.8	8.3 (16:20)	2.2 (5:50)	4.3	8.5 (16:20)	0.8 (6:00)	4.9	9.1 (16:20)	1.4 (6:40)	4.3	9.3 (16:20)	0.0 (5:30)
2	6.8	13.5 (16:30)	1.3 (6:20)	6.4	14.1 (16:30)	-0.0 (6:50)	6.8	14.4 (16:30)	-0.3 (6:20)	6.3	15.4 (16:00)	-2.0 (6:40)
3	7.9	13.0 (14:50)	4.3 (5:40)	7.7	13.6 (14:40)	3.4 (5:40)	8.2	14.3 (14:50)	3.6 (5:50)	8.0	15.0 (14:50)	2.7 (6:10)
4	8.5	11.8 (16:20)	5.7 (7:20)	8.4	12.2 (15:40)	5.0 (6:40)	8.8	12.8 (15:40)	5.5 (6:40)	8.5	13.3 (15:40)	4.8 (6:30)
5	9.9	15.1 (15:40)	4.1 (7:30)	9.5	15.6 (15:20)	2.8 (6:50)	9.8	16.0 (15:20)	3.3 (6:30)	9.2	16.6 (15:20)	1.6 (6:40)
6	10.4	17.0 (16:20)	3.4 (7:20)	10.3	17.7 (16:20)	2.7 (7:20)	10.5	17.9 (15:40)	2.7 (6:20)	10.2	19.2 (15:50)	1.5 (6:30)
7	14.7	21.3 (17:10)	9.3 (5:20)	14.8	22.1 (17:10)	7.9 (6:20)	14.7	22.1 (17:00)	7.2 (6:20)	14.3	23.3 (14:00)	5.3 (6:30)
8	16.2	22.3 (16:40)	9.0 (7:50)	16.1	23.3 (16:30)	8.4 (7:10)	16.0	23.2 (15:50)	8.3 (7:10)	15.6	24.3 (14:50)	7.0 (6:50)
9	17.0	24.0 (16:50)	9.1 (7:40)	16.9	25.2 (16:20)	8.1 (7:20)	16.7	25.0 (16:50)	7.8 (7:10)	16.6	26.3 (15:50)	6.4 (6:50)
10	17.2	23.5 (16:10)	10.0 (7:30)	17.2	24.7 (15:30)	8.5 (7:10)	16.9	24.7 (15:30)	8.3 (6:40)	16.5	25.9 (15:20)	7.2 (6:40)
11	17.4	24.4 (16:40)	9.4 (7:50)	17.3	25.7 (14:50)	8.1 (7:00)	17.1	25.8 (14:50)	7.9 (6:50)	16.9	27.3 (14:20)	6.6 (6:50)
12	16.4	21.4 (16:00)	11.3 (7:00)	16.6	22.4 (15:40)	10.7 (6:30)	16.5	22.6 (14:50)	10.6 (6:40)	16.6	24.4 (15:10)	9.8 (6:50)
13	15.9	21.0 (15:10)	10.8 (6:50)	16.0	22.2 (15:10)	9.8 (6:50)	16.0	22.3 (15:10)	9.7 (6:40)	15.9	23.7 (15:10)	8.5 (6:20)
14	14.5	17.6 (18:10)	11.7 (24:00)	14.7	18.2 (18:10)	11.5 (24:00)	14.7	18.2 (16:10)	11.6 (23:50)	14.6	19.1 (16:40)	10.6 (24:00)
15	9.6	13.6 (12:50)	7.5 (20:30)	9.4	13.9 (12:50)	7.1 (20:40)	9.8	14.2 (12:50)	7.5 (20:40)	9.7	14.5 (12:30)	7.2 (20:40)
16	10.5	15.2 (16:50)	7.9 (6:50)	10.5	15.5 (16:40)	7.4 (7:00)	10.8	15.8 (17:10)	7.8 (4:50)	10.7	16.5 (15:20)	7.1 (4:50)
17	11.9	18.5 (17:30)	5.5 (7:30)	11.7	19.2 (17:00)	4.7 (6:10)	11.8	19.2 (16:20)	4.8 (5:20)	11.5	20.2 (16:50)	3.4 (6:00)
18	14.9	22.5 (17:00)	6.9 (5:50)	14.8	23.5 (17:00)	5.8 (6:00)	14.7	23.5 (16:20)	5.5 (6:40)	14.3	24.4 (16:20)	3.9 (6:30)
19	18.5	25.7 (17:00)	9.8 (5:30)	18.4	27.0 (17:00)	8.5 (6:50)	18.3	26.8 (15:00)	8.2 (6:10)	18.1	28.3 (15:50)	6.7 (6:30)
20	14.3	17.8 (0:10)	10.6 (24:00)	14.2	17.2 (0:10)	10.3 (24:00)	14.2	16.9 (0:40)	10.8 (24:00)	13.8	16.1 (0:10)	10.6 (24:00)
21	10.5	12.2 (15:00)	9.2 (10:00)	10.2	12.3 (15:00)	8.9 (5:10)	10.7	12.8 (15:00)	9.5 (5:10)	10.4	12.8 (15:00)	8.3 (24:00)
22	11.4	16.0 (13:40)	7.4 (23:00)	11.4	16.7 (13:40)	6.8 (23:10)	11.7	17.4 (13:40)	7.1 (23:10)	11.6	18.6 (13:20)	5.6 (5:50)
23	11.5	17.9 (17:00)	5.4 (7:00)	11.4	18.6 (17:00)	4.6 (4:20)	11.6	18.6 (17:00)	4.4 (4:00)	11.4	19.5 (16:00)	3.2 (4:30)
24	12.2	13.5 (18:10)	10.8 (6:40)	12.1	13.6 (11:50)	10.8 (6:40)	12.5	14.2 (11:50)	11.1 (6:40)	12.4	14.6 (11:50)	10.8 (6:40)
25	8.9	11.1 (0:10)	6.9 (20:20)	8.7	10.9 (0:10)	6.4 (20:20)	9.2	11.2 (0:20)	6.9 (20:20)	9.1	11.2 (0:20)	6.5 (21:10)
26	9.2	12.8 (13:50)	6.3 (6:10)	9.2	13.3 (13:40)	5.9 (6:20)	9.7	13.8 (13:40)	6.3 (6:10)	9.8	14.7 (13:40)	6.0 (6:20)
27	10.9	16.1 (16:20)	6.6 (6:40)	10.8	16.6 (16:20)	6.0 (5:50)	11.2	16.9 (15:10)	6.1 (6:10)	11.1	17.4 (15:10)	5.3 (6:20)
28	13.0	19.4 (15:20)	6.3 (7:20)	12.7	20.4 (15:20)	4.9 (6:30)	12.6	20.6 (15:20)	4.9 (6:30)	12.2	21.2 (15:20)	3.6 (6:10)
29	14.7	21.2 (17:00)	7.0 (6:40)	14.4	22.2 (16:50)	6.0 (5:00)	14.3	22.1 (15:50)	5.9 (6:30)	13.9	23.4 (15:50)	4.4 (6:00)
30	15.7	20.9 (15:10)	9.2 (7:40)	15.5	21.9 (15:00)	7.2 (6:10)	15.3	22.3 (14:40)	7.0 (6:00)	14.8	23.9 (15:00)	5.6 (6:10)
월	12.5	25.7 (4/19)	1.3 (4/ 2)	12.4	27.0 (4/19)	-0.0 (4/ 2)	12.5	26.8 (4/19)	-0.3 (4/ 2)	12.3	28.3 (4/19)	-2.0 (4/ 2)

표 5. 계속 (Continued: 2009년 5월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	16.4	22.4 (16:30)	9.8 (6:10)	16.4	23.4 (16:30)	8.8 (6:10)	16.2	23.3 (16:20)	8.6 (6:50)	16.0	24.6 (16:10)	7.1 (6:10)
2	16.1	20.4 (13:20)	12.6 (6:50)	16.2	21.3 (13:20)	12.5 (6:30)	16.2	21.5 (13:10)	11.9 (6:00)	16.1	22.4 (13:20)	11.1 (6:20)
3	17.1	21.4 (16:30)	14.2 (7:10)	17.3	22.5 (16:40)	14.0 (5:40)	17.3	22.4 (16:30)	14.2 (5:40)	17.7	23.9 (16:00)	13.3 (24:00)
4	17.2	23.7 (15:20)	12.8 (4:30)	17.4	24.9 (15:20)	12.4 (3:20)	17.4	24.7 (15:20)	12.4 (2:30)	17.5	25.4 (15:20)	11.8 (2:40)
5	16.5	24.4 (16:20)	8.5 (6:10)	16.5	25.5 (16:20)	7.8 (5:50)	16.5	25.2 (16:20)	8.3 (5:50)	16.5	26.1 (16:00)	8.0 (5:50)
6	20.5	27.0 (16:00)	13.0 (6:40)	20.7	28.4 (15:10)	12.5 (6:30)	20.2	28.1 (15:00)	12.2 (6:30)	20.0	29.4 (14:40)	11.4 (6:20)
7	20.0	25.6 (14:30)	13.5 (6:50)	20.0	26.9 (14:30)	12.0 (6:10)	19.6	26.9 (14:30)	11.3 (6:10)	19.3	28.0 (15:00)	9.9 (6:20)
8	19.6	25.1 (16:50)	13.6 (7:00)	19.8	26.5 (14:50)	13.0 (5:40)	19.3	26.5 (14:30)	11.9 (6:20)	19.1	28.0 (14:30)	10.7 (6:00)
9	21.2	26.2 (15:30)	15.5 (6:50)	21.3	27.5 (15:20)	13.9 (6:20)	20.7	27.4 (14:10)	13.3 (6:00)	20.3	28.7 (15:30)	11.9 (6:00)
10	20.5	26.6 (16:10)	13.8 (5:50)	20.4	27.9 (16:10)	12.1 (5:30)	19.9	27.6 (16:10)	11.8 (5:40)	19.7	29.3 (15:30)	10.1 (5:40)
11	20.2	26.4 (15:00)	14.4 (7:00)	20.5	27.8 (15:00)	13.6 (5:40)	20.2	27.7 (15:00)	13.2 (5:50)	20.4	29.4 (15:00)	12.0 (6:00)
12	16.8	18.6 (0:10)	15.8 (22:30)	16.8	18.5 (0:10)	15.4 (23:10)	16.8	18.2 (0:10)	15.2 (22:40)	16.9	18.3 (18:10)	14.2 (23:10)
13	17.2	21.1 (16:40)	12.4 (6:40)	16.9	22.1 (15:10)	10.4 (6:50)	16.6	22.3 (14:30)	9.8 (6:20)	16.1	23.3 (14:30)	8.5 (6:10)
14	17.9	23.9 (17:10)	10.3 (6:20)	17.8	24.9 (16:00)	9.0 (6:30)	17.4	24.7 (16:00)	8.6 (6:10)	17.1	25.9 (15:00)	7.3 (6:10)
15	17.2	19.8 (13:40)	13.7 (24:00)	17.1	20.4 (15:00)	13.1 (23:50)	16.8	20.3 (15:00)	12.1 (24:00)	16.7	20.9 (13:50)	11.9 (24:00)
16	12.4	14.0 (22:20)	11.3 (6:00)	12.1	13.4 (24:00)	11.1 (6:20)	12.5	14.2 (24:00)	11.6 (6:30)	12.2	13.5 (24:00)	11.4 (5:40)
17	13.7	15.7 (3:00)	10.2 (24:00)	13.4	15.1 (3:20)	9.0 (24:00)	13.7	15.8 (3:20)	9.3 (23:50)	13.3	15.0 (3:30)	8.1 (24:00)
18	15.4	20.8 (14:10)	10.0 (5:50)	15.5	21.7 (14:10)	9.0 (5:20)	15.3	22.0 (14:10)	8.7 (4:50)	14.8	23.2 (14:10)	7.1 (5:20)
19	18.7	23.8 (16:00)	12.9 (5:10)	18.7	25.0 (16:00)	11.3 (6:20)	18.3	24.9 (16:00)	10.7 (6:00)	17.9	26.4 (14:30)	9.1 (6:10)
20	18.3	25.3 (18:10)	13.8 (7:00)	17.8	24.7 (18:00)	13.1 (6:20)	17.3	24.0 (18:00)	12.8 (5:50)	16.6	23.0 (18:00)	12.2 (5:30)
21	15.0	18.4 (0:10)	13.8 (7:00)	14.9	18.1 (0:10)	13.6 (7:00)	15.1	17.8 (0:10)	13.9 (7:00)	14.8	17.2 (0:10)	13.5 (7:10)
22	17.9	21.9 (16:30)	15.0 (3:20)	18.0	22.5 (14:50)	14.8 (3:20)	18.2	22.8 (14:50)	15.0 (5:40)	18.3	24.0 (14:50)	14.5 (5:50)
23	16.1	18.5 (15:10)	14.2 (24:00)	16.0	19.0 (15:10)	13.1 (24:00)	16.3	19.6 (15:10)	13.1 (24:00)	16.4	20.3 (15:10)	12.8 (24:00)
24	16.6	21.5 (19:40)	11.8 (6:10)	16.5	21.9 (17:10)	10.9 (5:30)	16.5	21.8 (17:10)	11.2 (5:20)	16.2	22.3 (15:30)	10.6 (5:20)
25	20.1	25.6 (17:10)	13.4 (6:50)	19.5	26.4 (16:40)	12.9 (6:30)	19.4	26.3 (16:20)	13.1 (5:40)	19.7	27.4 (15:30)	12.4 (5:50)
26	21.6	26.5 (16:20)	16.2 (6:40)	21.5	27.2 (16:20)	15.9 (6:40)	21.2	27.0 (16:20)	15.7 (6:10)	20.8	28.1 (15:20)	14.8 (6:00)
27	21.0	26.2 (16:50)	14.3 (5:50)	20.8	27.0 (16:50)	13.8 (5:00)	20.7	26.8 (16:50)	13.4 (5:20)	20.2	27.7 (14:30)	12.5 (5:30)
28	21.4	27.4 (16:50)	14.9 (6:40)	21.2	28.2 (16:50)	14.0 (6:30)	20.9	27.8 (17:00)	13.5 (5:20)	20.3	28.1 (15:40)	12.4 (5:50)
29	20.8	24.5 (15:20)	15.3 (5:40)	20.4	25.3 (15:20)	13.9 (5:30)	20.1	25.5 (15:10)	13.7 (6:10)	19.5	26.4 (14:30)	12.5 (6:00)
30	18.9	22.5 (15:20)	15.8 (7:00)	18.9	23.1 (15:20)	15.4 (6:40)	19.0	23.4 (14:20)	15.5 (5:50)	18.9	24.9 (14:30)	14.8 (6:00)
31	18.1	22.9 (15:40)	12.8 (5:30)	17.9	23.5 (15:10)	11.3 (5:30)	17.9	24.0 (15:00)	10.9 (5:20)	17.6	25.4 (15:00)	9.2 (5:30)
월	18.1	27.4 (5/28)	8.5 (5/ 5)	18.0	28.4 (5/ 6)	7.8 (5/ 5)	17.9	28.1 (5/ 6)	8.3 (5/ 5)	17.7	29.4 (5/ 6)	7.1 (5/18)

표 5. 계속 (Continued: 2009년 6월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	20.2	26.9 (15:40)	13.2 (5:30)	20.3	27.6 (15:40)	12.4 (5:30)	20.3	27.6 (15:10)	12.1 (5:00)	20.2	28.9 (15:10)	11.0 (5:50)
2	21.7	24.6 (14:40)	19.3 (24:00)	21.8	25.2 (14:40)	19.1 (5:30)	21.7	25.4 (14:40)	18.7 (5:30)	21.4	26.0 (15:30)	16.9 (4:10)
3	17.8	19.3 (9:00)	16.5 (11:00)	17.8	19.4 (8:40)	16.2 (10:10)	18.0	19.8 (8:30)	16.1 (24:00)	18.0	20.2 (8:30)	15.8 (24:00)
4	19.2	23.6 (16:40)	15.6 (5:50)	19.2	24.2 (16:10)	15.4 (6:10)	19.1	24.3 (15:50)	15.7 (6:10)	18.9	24.9 (16:00)	15.5 (0:50)
5	20.5	25.3 (16:30)	14.5 (6:50)	20.5	26.1 (16:30)	13.6 (5:50)	20.3	26.2 (14:40)	13.5 (5:50)	20.1	27.8 (15:00)	12.8 (5:50)
6	20.2	24.6 (16:10)	16.6 (5:00)	20.4	25.3 (16:10)	15.9 (5:00)	20.5	25.4 (16:00)	15.6 (5:00)	20.6	26.8 (16:00)	14.5 (5:20)
7	18.0	20.0 (16:40)	16.6 (6:50)	18.0	20.4 (16:10)	16.2 (5:10)	18.2	20.7 (16:10)	16.0 (3:40)	18.0	21.2 (15:40)	15.5 (4:10)
8	19.4	22.6 (15:40)	14.5 (6:40)	19.4	23.3 (15:20)	14.2 (6:50)	19.3	23.4 (15:20)	13.9 (6:00)	19.2	24.2 (15:20)	13.2 (5:40)
9	20.1	23.9 (16:30)	17.6 (23:30)	20.1	24.3 (16:30)	17.5 (23:10)	20.1	24.3 (16:00)	17.7 (22:40)	20.2	25.4 (16:00)	17.8 (5:20)
10	18.6	22.2 (16:10)	16.9 (3:10)	18.6	22.7 (16:20)	16.6 (3:30)	19.0	23.1 (16:20)	17.0 (24:00)	19.3	23.7 (16:20)	16.9 (24:00)
11	20.1	24.2 (14:20)	16.0 (3:50)	20.2	24.8 (14:20)	15.5 (3:40)	20.4	25.2 (14:20)	15.5 (3:40)	20.4	26.4 (14:20)	14.0 (5:10)
12	20.6	24.4 (16:10)	17.4 (7:30)	20.6	25.0 (15:40)	16.0 (24:00)	20.6	25.2 (15:20)	15.0 (23:50)	20.6	26.9 (15:20)	13.3 (24:00)
13	18.8	22.9 (15:10)	12.8 (4:40)	18.6	23.6 (14:50)	12.1 (5:20)	18.8	23.9 (14:50)	11.3 (5:20)	18.5	25.4 (15:00)	10.4 (5:30)
14	19.6	22.8 (17:00)	15.9 (5:40)	19.7	23.5 (16:50)	15.0 (5:40)	19.6	24.1 (13:00)	14.8 (5:30)	19.8	24.8 (15:00)	14.2 (5:40)
15	20.7	24.7 (17:00)	17.0 (7:00)	20.8	25.4 (16:50)	16.4 (6:00)	20.7	25.4 (15:10)	16.5 (5:40)	20.9	26.8 (15:00)	16.3 (6:00)
16	21.3	25.1 (17:20)	16.3 (6:00)	21.4	25.7 (17:20)	15.5 (6:10)	21.2	25.8 (15:10)	15.3 (6:10)	21.1	27.4 (15:10)	14.5 (5:50)
17	22.3	26.3 (16:20)	17.8 (7:00)	22.4	27.1 (13:50)	17.0 (6:40)	22.1	27.2 (13:50)	16.3 (5:40)	22.0	28.3 (13:50)	15.5 (5:40)
18	24.5	29.1 (17:10)	19.9 (6:10)	24.9	30.1 (17:30)	19.6 (5:40)	24.6	29.9 (15:40)	18.8 (5:30)	24.7	31.3 (14:50)	18.3 (5:50)
19	25.1	29.6 (16:00)	20.3 (6:10)	25.4	30.6 (15:30)	20.2 (6:30)	25.1	30.5 (15:20)	19.5 (5:10)	25.4	32.0 (14:40)	18.8 (5:10)
20	22.4	24.6 (11:20)	20.9 (15:30)	22.6	25.1 (11:30)	21.0 (15:30)	22.6	25.0 (11:20)	21.2 (22:30)	22.6	25.2 (11:30)	21.3 (1:20)
21	23.4	27.8 (15:40)	21.4 (0:40)	23.8	28.8 (15:40)	21.3 (0:10)	24.0	28.6 (15:40)	21.5 (0:10)	24.3	29.5 (15:40)	21.6 (0:10)
22	22.2	25.2 (16:10)	19.5 (11:00)	22.5	25.8 (16:10)	19.4 (24:00)	22.6	25.7 (16:00)	19.2 (24:00)	23.2	27.0 (15:50)	19.0 (24:00)
23	22.1	26.4 (15:30)	17.7 (7:00)	22.2	27.2 (15:30)	17.2 (5:00)	22.1	27.5 (15:20)	16.9 (5:10)	22.3	29.0 (15:20)	16.3 (5:20)
24	22.9	27.9 (15:30)	18.0 (6:10)	23.0	28.9 (14:40)	17.6 (6:00)	22.7	28.9 (14:40)	16.8 (4:10)	22.6	30.7 (14:50)	15.8 (4:40)
25	23.5	28.9 (16:40)	16.9 (5:10)	23.5	29.6 (16:40)	16.0 (5:50)	23.1	29.4 (16:30)	16.0 (5:50)	22.8	30.6 (15:30)	15.0 (5:40)
26	24.1	29.0 (16:30)	18.4 (6:00)	24.2	29.8 (16:10)	17.6 (6:10)	24.0	29.8 (16:10)	17.3 (5:20)	23.8	31.2 (15:40)	16.3 (5:50)
27	24.3	29.2 (15:20)	20.1 (6:40)	24.7	30.2 (15:20)	19.7 (5:30)	24.5	30.1 (15:20)	19.4 (5:20)	24.9	31.9 (15:20)	18.9 (5:30)
28	24.9	28.2 (14:00)	21.6 (6:50)	25.3	29.4 (14:00)	21.5 (6:10)	25.1	29.6 (14:00)	20.7 (5:20)	25.5	31.4 (14:00)	20.0 (5:40)
29	23.8	28.2 (17:50)	20.6 (7:10)	24.1	28.8 (17:50)	20.7 (7:00)	24.0	28.4 (17:50)	20.9 (5:40)	24.3	29.3 (14:00)	20.9 (6:20)
30	23.1	25.0 (15:30)	20.4 (24:00)	23.2	25.4 (15:20)	19.8 (22:50)	23.0	25.4 (15:20)	19.4 (21:50)	23.1	25.4 (11:40)	19.0 (24:00)
월	21.5	29.6 (6/19)	12.8 (6/13)	21.6	30.6 (6/19)	12.1 (6/13)	21.5	30.5 (6/19)	11.3 (6/13)	21.5	32.0 (6/19)	10.4 (6/13)

표 5. 계속 (Continued: 2009년 7월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	22.0	25.3 (15:00)	18.3 (5:30)	22.1	26.0 (15:10)	17.8 (6:30)	22.0	26.2 (15:00)	17.8 (6:30)	22.1	27.4 (15:40)	17.3 (6:00)
2	20.7	24.3 (14:40)	19.1 (16:20)	20.8	25.1 (14:40)	19.0 (23:40)	21.0	25.4 (14:20)	18.7 (23:30)	21.3	26.7 (14:20)	18.8 (2:20)
3	20.9	24.4 (15:20)	18.1 (6:30)	21.0	25.1 (15:20)	17.8 (6:30)	21.1	25.3 (15:20)	17.5 (3:50)	21.5	26.8 (15:50)	17.1 (4:30)
4	21.9	25.7 (16:50)	18.6 (6:30)	22.0	26.3 (16:50)	18.0 (5:40)	21.9	26.2 (16:30)	17.9 (5:30)	21.9	26.9 (16:30)	17.4 (5:50)
5	23.3	27.1 (18:40)	19.4 (7:00)	23.5	27.9 (17:50)	19.4 (3:50)	23.4	27.5 (17:10)	19.1 (3:50)	23.6	28.7 (16:20)	18.8 (3:30)
6	24.1	27.4 (16:40)	20.4 (6:10)	24.4	28.2 (16:30)	19.9 (6:00)	24.2	28.1 (16:10)	19.9 (4:50)	24.5	29.2 (14:40)	19.4 (5:40)
7	20.5	23.5 (0:50)	18.5 (9:10)	20.5	23.3 (0:10)	18.4 (9:10)	20.6	22.9 (0:10)	18.6 (9:10)	20.6	22.9 (0:10)	18.7 (10:30)
8	23.9	28.0 (17:50)	20.4 (0:30)	24.3	28.9 (17:00)	20.3 (5:00)	24.3	28.9 (17:00)	20.5 (4:50)	24.7	29.8 (17:00)	20.5 (5:00)
9	22.1	25.4 (14:10)	20.0 (5:30)	22.2	25.6 (14:10)	19.9 (5:30)	22.3	25.4 (14:10)	19.6 (24:00)	22.3	25.3 (14:10)	19.5 (24:00)
10	22.6	27.1 (17:10)	19.2 (4:50)	22.7	27.7 (16:20)	19.0 (4:10)	22.6	27.5 (15:50)	18.4 (5:00)	22.5	28.7 (15:40)	17.9 (5:30)
11	22.9	27.5 (12:20)	20.0 (7:00)	22.9	28.3 (12:20)	19.8 (5:20)	22.7	28.0 (12:20)	19.8 (5:50)	22.8	28.7 (11:40)	19.4 (5:40)
12	22.3	24.4 (14:40)	19.4 (2:20)	22.4	24.7 (14:50)	19.4 (1:40)	22.4	24.8 (14:40)	19.7 (3:10)	22.4	24.8 (14:50)	19.7 (2:20)
13	22.8	26.1 (12:50)	20.7 (21:50)	23.0	26.6 (12:30)	20.5 (21:50)	23.1	26.7 (12:30)	20.6 (22:00)	23.3	27.4 (12:30)	20.9 (6:00)
14	24.0	27.8 (15:50)	21.3 (0:20)	24.0	28.3 (15:50)	20.9 (1:00)	23.9	28.1 (15:50)	21.0 (0:50)	23.8	28.1 (15:50)	21.0 (0:10)
15	21.7	24.7 (17:40)	19.7 (5:50)	21.7	25.0 (17:30)	19.6 (6:00)	21.7	24.9 (17:30)	19.8 (6:00)	21.8	25.4 (15:40)	19.7 (24:00)
16	21.6	24.0 (15:40)	19.7 (6:40)	21.7	24.5 (15:30)	19.5 (3:10)	21.7	24.4 (15:30)	19.7 (3:10)	21.9	25.1 (15:30)	19.4 (2:40)
17	23.6	25.2 (24:00)	22.0 (3:00)	23.7	25.2 (24:00)	22.0 (4:20)	23.7	24.9 (23:30)	21.9 (3:30)	23.7	25.1 (12:50)	21.9 (4:20)
18	26.2	27.9 (12:40)	24.5 (22:40)	26.5	28.3 (16:20)	24.8 (22:40)	26.4	28.2 (16:20)	24.8 (22:50)	26.4	28.4 (12:40)	24.5 (0:10)
19	25.4	28.4 (14:40)	22.9 (7:10)	25.7	29.4 (14:40)	22.8 (7:10)	25.6	29.4 (14:40)	22.9 (6:40)	26.1	31.0 (14:20)	22.8 (6:50)
20	25.5	28.4 (14:30)	23.2 (6:40)	25.9	29.0 (15:40)	23.4 (6:10)	25.8	28.9 (15:40)	23.0 (0:10)	26.3	30.1 (15:40)	23.0 (0:10)
21	24.2	26.6 (15:40)	21.2 (24:00)	24.4	27.3 (15:10)	20.7 (24:00)	24.3	27.3 (15:10)	20.8 (24:00)	24.7	28.7 (15:10)	20.9 (24:00)
22	22.6	25.9 (17:10)	19.3 (8:00)	22.6	26.7 (17:00)	19.1 (7:10)	22.4	26.6 (16:20)	19.0 (5:00)	22.4	27.4 (16:10)	18.7 (6:00)
23	23.5	27.5 (14:50)	20.0 (6:40)	23.6	28.1 (15:00)	19.6 (6:30)	23.4	28.3 (14:30)	19.5 (5:40)	23.7	29.6 (14:30)	19.3 (5:50)
24	21.4	22.4 (18:00)	20.0 (13:00)	21.5	22.8 (18:00)	20.1 (13:00)	21.6	22.8 (18:00)	20.4 (13:10)	21.5	22.4 (0:10)	20.4 (13:10)
25	20.5	21.7 (18:00)	18.9 (6:50)	20.6	21.9 (17:20)	18.9 (6:10)	20.8	22.1 (16:20)	19.2 (6:20)	21.0	22.3 (16:30)	19.2 (6:20)
26	22.7	26.2 (16:40)	19.8 (6:40)	23.0	27.0 (16:40)	20.0 (6:40)	23.0	27.0 (15:20)	20.3 (6:20)	23.2	28.2 (15:10)	20.2 (6:20)
27	23.0	26.9 (16:10)	20.4 (6:50)	23.3	27.8 (16:00)	20.4 (6:40)	23.3	27.7 (14:40)	20.6 (6:30)	23.7	29.1 (14:40)	20.3 (6:10)
28	21.4	22.9 (14:50)	19.9 (24:00)	21.4	23.4 (14:50)	19.8 (24:00)	21.4	23.4 (14:50)	19.6 (24:00)	21.4	23.6 (15:10)	19.5 (24:00)
29	22.9	26.5 (18:20)	19.3 (6:40)	23.1	27.3 (16:00)	19.0 (6:40)	22.9	27.3 (15:10)	19.0 (6:10)	23.0	28.4 (15:10)	18.9 (6:40)
30	24.4	27.9 (16:50)	20.5 (6:20)	24.5	28.8 (16:50)	20.0 (4:20)	24.3	28.5 (16:10)	19.8 (4:20)	24.5	30.2 (14:50)	19.5 (4:10)
31	24.3	27.2 (16:30)	21.7 (6:30)	24.5	28.0 (16:40)	21.8 (6:20)	24.4	27.8 (14:10)	21.6 (6:20)	24.8	29.0 (13:30)	21.4 (6:20)
월	22.9	28.4 (7/20)	18.1 (7/ 3)	23.0	29.4 (7/19)	17.8 (7/ 3)	23.0	29.4 (7/19)	17.5 (7/ 3)	23.1	31.0 (7/19)	17.1 (7/ 3)

표 5. 계속 (Continued: 2009년 8월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	24.2	27.2 (17:20)	20.5 (6:10)	24.4	28.0 (17:20)	20.3 (6:30)	24.3	27.9 (14:30)	20.3 (5:50)	24.5	29.4 (14:30)	20.1 (6:00)
2	24.0	27.5 (14:50)	21.5 (6:20)	24.3	28.3 (16:40)	21.6 (6:20)	24.2	28.2 (15:50)	21.3 (4:10)	24.4	29.7 (15:50)	21.1 (4:30)
3	21.8	23.3 (0:10)	20.5 (24:00)	21.8	23.4 (13:40)	20.3 (23:10)	21.7	23.6 (13:20)	19.5 (22:30)	21.6	24.0 (13:10)	18.4 (23:50)
4	23.1	27.6 (16:30)	19.0 (5:40)	23.3	28.3 (16:30)	18.5 (4:30)	23.1	28.0 (16:30)	18.0 (5:30)	23.0	28.7 (15:40)	17.4 (6:00)
5	23.9	26.4 (16:10)	21.1 (5:30)	24.3	27.2 (16:30)	21.0 (6:00)	24.3	27.2 (15:30)	21.0 (5:40)	24.4	28.3 (15:30)	20.4 (6:00)
6	22.5	25.5 (13:20)	20.9 (5:50)	22.8	26.4 (13:20)	20.9 (5:50)	22.9	26.6 (13:20)	20.9 (6:20)	23.2	27.4 (13:20)	20.6 (6:30)
7	23.3	26.7 (13:20)	21.4 (6:20)	23.6	27.5 (13:50)	21.4 (3:40)	23.5	27.7 (13:50)	21.0 (2:30)	23.7	28.6 (14:10)	21.0 (4:10)
8	25.0	28.3 (16:30)	22.8 (5:20)	25.4	29.2 (16:30)	22.7 (2:00)	25.2	29.0 (16:30)	22.7 (2:10)	25.2	29.6 (15:40)	22.7 (3:10)
9	24.9	27.3 (14:30)	22.6 (7:20)	25.4	28.1 (16:00)	22.9 (4:40)	25.4	28.4 (14:30)	22.8 (4:40)	25.6	29.4 (14:30)	22.6 (4:50)
10	25.1	27.6 (16:20)	22.0 (6:50)	25.5	28.3 (16:20)	22.1 (6:40)	25.4	28.1 (15:00)	21.9 (6:30)	25.6	29.4 (12:00)	21.8 (6:30)
11	24.0	25.1 (0:10)	22.5 (11:20)	24.2	25.5 (0:10)	22.7 (11:20)	24.2	25.5 (0:10)	22.9 (11:20)	24.2	25.4 (0:10)	23.2 (11:30)
12	24.2	25.1 (17:20)	22.4 (24:00)	24.4	25.5 (17:10)	22.5 (24:00)	24.4	25.5 (17:10)	22.8 (24:00)	24.5	25.8 (17:20)	22.8 (24:00)
13	24.4	28.2 (16:00)	21.9 (3:20)	24.7	28.9 (15:20)	21.9 (3:00)	24.6	28.8 (15:20)	22.1 (3:40)	25.1	30.1 (15:20)	22.0 (24:00)
14	25.3	28.7 (17:30)	22.4 (5:10)	25.5	29.5 (16:00)	22.1 (2:40)	25.2	29.2 (15:00)	21.8 (2:40)	25.2	30.8 (15:20)	21.4 (2:50)
15	25.9	30.2 (17:50)	21.1 (7:00)	26.0	30.9 (17:10)	20.9 (7:10)	25.4	30.1 (14:40)	20.4 (6:20)	25.4	31.8 (14:30)	19.9 (6:10)
16	25.2	27.5 (13:10)	22.3 (7:40)	25.5	28.3 (13:10)	22.3 (6:40)	25.2	28.2 (12:10)	21.7 (4:20)	25.0	29.0 (14:30)	20.4 (6:20)
17	24.8	27.0 (14:40)	22.8 (6:40)	25.2	27.8 (14:40)	22.6 (6:40)	25.1	28.0 (14:40)	22.4 (6:30)	25.2	28.8 (11:50)	22.2 (6:20)
18	25.2	27.5 (14:00)	22.7 (6:20)	25.5	28.4 (14:00)	22.5 (5:50)	25.1	28.5 (14:00)	21.9 (5:20)	25.3	29.8 (14:00)	21.6 (6:00)
19	26.4	29.7 (16:10)	23.5 (7:00)	26.8	30.4 (16:10)	23.5 (6:50)	26.6	30.4 (14:20)	23.4 (2:00)	27.2	32.1 (15:00)	23.2 (2:20)
20	25.0	26.5 (11:30)	22.7 (24:00)	25.1	26.9 (10:00)	22.4 (23:50)	25.0	26.8 (10:00)	22.1 (23:50)	25.2	27.2 (10:00)	22.0 (24:00)
21	23.7	27.2 (17:40)	19.8 (8:40)	23.7	28.0 (16:40)	19.4 (6:10)	23.2	27.8 (14:30)	19.5 (6:20)	23.2	29.2 (14:50)	19.2 (24:00)
22	23.0	26.5 (13:10)	19.8 (7:20)	22.8	27.2 (13:10)	18.7 (4:00)	22.4	27.3 (13:10)	18.3 (4:50)	22.2	28.5 (13:30)	17.9 (5:50)
23	23.9	28.0 (15:30)	20.4 (7:40)	24.0	28.7 (15:30)	19.9 (7:00)	23.6	28.5 (15:20)	19.5 (5:10)	23.6	29.9 (15:50)	18.8 (6:30)
24	23.1	27.2 (14:40)	19.0 (5:20)	23.1	27.8 (15:10)	18.3 (4:40)	22.9	27.9 (14:30)	18.2 (4:30)	23.1	30.1 (14:30)	17.4 (4:10)
25	23.2	26.3 (15:50)	20.6 (7:20)	23.4	26.9 (14:20)	20.3 (6:50)	23.1	27.2 (14:20)	19.4 (6:10)	23.1	28.9 (14:20)	18.9 (6:10)
26	23.3	26.8 (16:00)	19.9 (6:50)	23.3	27.4 (16:10)	19.3 (6:00)	23.2	27.3 (16:10)	19.4 (6:00)	23.3	28.5 (14:20)	18.9 (5:40)
27	23.7	26.6 (16:40)	21.4 (7:30)	23.7	26.9 (16:40)	21.2 (7:40)	23.5	26.7 (16:40)	21.1 (6:10)	23.3	27.2 (16:40)	20.8 (7:20)
28	23.2	27.3 (14:50)	20.0 (23:20)	23.3	27.9 (15:10)	19.5 (24:00)	23.3	28.0 (13:50)	18.7 (24:00)	23.6	29.9 (13:50)	18.4 (24:00)
29	21.3	25.4 (14:10)	16.6 (7:00)	21.4	26.1 (14:10)	16.2 (6:20)	21.3	26.3 (14:20)	15.9 (6:10)	21.3	27.0 (14:30)	15.4 (6:20)
30	19.8	21.1 (0:10)	18.0 (7:50)	19.6	21.2 (0:10)	17.9 (7:50)	19.6	21.3 (0:10)	18.3 (7:50)	19.3	21.2 (0:30)	17.8 (23:40)
31	21.5	24.1 (16:00)	18.6 (5:30)	21.4	24.6 (16:00)	17.4 (5:10)	21.2	24.7 (14:10)	16.7 (5:10)	20.8	25.5 (16:00)	15.6 (6:20)
월	23.8	30.2 (8/15)	16.6 (8/29)	24.0	30.9 (8/15)	16.2 (8/29)	23.8	30.4 (8/19)	15.9 (8/29)	23.9	32.1 (8/19)	15.4 (8/29)

표 5. 계속 (Continued: 2009년 9월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	20.9	24.2 (15:00)	17.6 (6:30)	20.9	24.9 (15:00)	16.5 (6:20)	20.7	25.2 (15:00)	15.7 (5:40)	20.3	26.3 (14:50)	14.6 (6:20)
2	21.5	25.1 (16:50)	18.5 (5:00)	21.5	25.7 (16:40)	17.7 (6:00)	21.3	25.6 (15:10)	17.3 (5:20)	20.9	26.6 (15:50)	15.8 (6:10)
3	21.6	25.6 (16:40)	18.0 (5:50)	21.5	26.2 (16:40)	17.6 (5:50)	21.3	25.9 (15:40)	17.1 (5:10)	20.8	27.3 (15:40)	15.5 (6:10)
4	22.3	25.8 (16:00)	18.3 (6:40)	22.4	26.5 (14:10)	18.1 (6:40)	22.1	26.8 (14:10)	17.9 (6:00)	22.2	28.2 (15:50)	17.2 (6:20)
5	23.4	27.2 (14:50)	20.2 (6:30)	23.6	27.9 (14:50)	19.7 (6:40)	23.3	27.8 (14:30)	19.2 (6:30)	23.6	29.8 (14:40)	19.0 (6:50)
6	23.4	27.5 (15:10)	19.4 (7:10)	23.6	28.4 (16:00)	19.3 (7:00)	23.3	28.3 (14:40)	19.2 (5:30)	23.6	29.8 (14:00)	18.9 (6:20)
7	22.7	25.6 (15:20)	19.8 (4:40)	22.8	26.3 (15:20)	19.5 (4:40)	22.8	26.4 (15:20)	19.7 (4:50)	23.0	27.3 (15:20)	19.4 (4:30)
8	22.5	26.1 (15:50)	20.0 (7:30)	22.7	26.9 (15:50)	19.7 (6:30)	22.7	26.9 (14:30)	19.2 (23:20)	23.3	28.6 (14:10)	19.2 (23:50)
9	21.7	25.7 (15:20)	19.2 (24:00)	21.8	26.3 (15:30)	18.1 (24:00)	21.6	26.5 (14:30)	16.7 (24:00)	21.8	28.4 (14:30)	15.8 (24:00)
10	20.5	25.0 (15:20)	15.8 (4:40)	20.3	25.7 (15:30)	14.3 (6:10)	20.2	25.9 (15:20)	14.1 (6:40)	20.2	27.6 (15:20)	13.4 (6:50)
11	19.7	21.5 (16:10)	17.3 (7:30)	19.5	21.7 (16:10)	16.6 (6:30)	19.4	21.8 (16:10)	16.0 (6:30)	19.2	22.3 (14:40)	15.3 (6:30)
12	18.7	22.3 (14:10)	16.1 (5:00)	18.6	22.7 (14:10)	15.8 (5:00)	18.8	23.1 (14:10)	16.2 (5:00)	19.1	24.2 (14:10)	15.6 (24:00)
13	19.5	23.4 (15:10)	15.6 (6:30)	19.3	24.0 (16:10)	14.6 (6:30)	19.1	24.3 (15:10)	14.3 (5:10)	19.0	25.8 (15:40)	13.5 (6:00)
14	18.3	21.6 (14:00)	16.0 (24:00)	18.0	22.1 (14:00)	14.9 (24:00)	18.1	22.4 (14:00)	15.2 (24:00)	18.1	23.3 (13:50)	15.2 (24:00)
15	18.2	22.5 (17:00)	14.5 (7:10)	17.9	22.9 (17:00)	14.1 (7:10)	17.9	23.0 (15:10)	14.2 (2:20)	17.8	24.4 (15:00)	13.7 (3:20)
16	19.6	23.3 (16:20)	16.4 (7:30)	19.4	23.8 (15:50)	15.9 (6:00)	19.2	23.9 (15:20)	15.5 (6:10)	19.1	25.6 (15:20)	14.8 (6:20)
17	19.6	24.1 (16:10)	15.4 (6:40)	19.4	24.6 (16:10)	14.4 (6:30)	19.3	24.6 (16:10)	14.3 (6:10)	19.1	25.4 (12:40)	13.5 (6:40)
18	20.2	25.7 (15:30)	15.1 (7:40)	20.1	26.4 (15:30)	14.6 (7:30)	20.0	26.3 (15:20)	14.5 (6:40)	20.0	27.8 (15:00)	13.9 (6:50)
19	20.4	23.6 (16:40)	16.6 (6:30)	20.2	24.1 (16:00)	15.6 (6:30)	19.9	24.3 (14:50)	14.9 (6:10)	19.4	25.0 (14:50)	13.4 (6:50)
20	20.0	23.6 (14:40)	15.9 (7:10)	20.0	24.4 (14:30)	15.4 (6:50)	19.8	24.7 (14:30)	14.5 (6:50)	19.8	26.9 (14:40)	13.1 (6:30)
21	18.9	20.0 (14:40)	17.8 (8:30)	18.7	20.2 (14:40)	17.5 (8:20)	18.8	20.5 (14:40)	17.6 (8:00)	18.8	20.9 (14:40)	17.2 (23:10)
22	18.9	21.7 (15:20)	15.3 (7:30)	18.7	22.1 (15:20)	15.2 (7:20)	18.7	22.3 (15:20)	15.7 (7:30)	18.8	23.4 (15:10)	15.7 (7:20)
23	21.0	25.4 (15:30)	18.1 (0:50)	20.9	25.8 (15:40)	17.0 (1:30)	20.7	25.8 (15:00)	16.5 (1:30)	20.7	27.7 (15:00)	15.7 (1:40)
24	19.9	24.5 (18:20)	14.6 (7:20)	19.5	24.6 (15:40)	14.1 (7:30)	19.2	24.7 (13:40)	14.2 (6:40)	18.9	26.1 (13:30)	13.3 (6:50)
25	19.4	21.8 (16:30)	17.0 (6:30)	19.1	22.0 (14:20)	16.7 (6:10)	19.1	22.1 (13:50)	16.7 (5:10)	18.8	22.5 (13:50)	16.2 (24:00)
26	20.8	25.4 (15:10)	16.3 (3:20)	20.8	26.1 (15:10)	15.6 (4:20)	20.8	26.2 (15:10)	15.8 (3:20)	20.6	26.7 (13:00)	15.1 (3:20)
27	19.5	21.7 (0:10)	17.7 (23:50)	19.3	21.8 (0:10)	17.5 (24:00)	19.3	21.8 (0:10)	17.8 (18:40)	19.0	21.0 (0:10)	17.7 (24:00)
28	19.0	21.8 (16:20)	16.9 (7:30)	18.8	22.1 (16:50)	16.7 (7:20)	18.9	22.2 (14:50)	17.1 (7:20)	18.8	23.0 (16:20)	16.9 (6:20)
29	19.5	22.2 (16:00)	16.9 (8:30)	19.4	22.6 (16:30)	16.8 (3:20)	19.4	22.7 (16:00)	17.0 (1:40)	19.2	22.8 (16:00)	16.6 (2:20)
30	20.0	22.3 (16:40)	18.0 (7:40)	19.9	22.8 (16:30)	17.5 (7:30)	19.7	23.0 (16:00)	16.9 (7:00)	19.3	24.2 (16:30)	16.3 (7:10)
월	20.4	27.5 (9/ 6)	14.5 (9/15)	20.3	28.4 (9/ 6)	14.1 (9/24)	20.2	28.3 (9/ 6)	14.1 (9/10)	20.1	29.8 (9/ 6)	13.1 (9/20)

표 5. 계속 (Continued: 2009년 10월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	20.5	24.7 (14:30)	16.3 (6:10)	20.3	25.5 (14:30)	15.9 (6:10)	20.1	25.6 (14:30)	15.6 (4:50)	19.9	27.4 (14:40)	14.7 (6:10)
2	19.1	22.9 (14:30)	16.3 (23:50)	19.0	23.6 (14:30)	15.5 (7:30)	19.0	23.8 (14:10)	15.3 (6:50)	18.9	25.0 (14:30)	14.3 (23:50)
3	17.1	21.3 (16:20)	12.6 (6:20)	16.6	21.6 (15:20)	10.1 (6:20)	16.5	21.8 (15:10)	9.9 (6:20)	16.0	23.4 (15:40)	8.6 (6:50)
4	16.9	19.4 (17:00)	14.2 (23:10)	16.5	19.5 (17:00)	12.0 (24:00)	16.5	19.7 (15:20)	11.6 (24:00)	16.1	21.2 (12:10)	10.2 (24:00)
5	15.7	20.8 (15:20)	10.0 (6:30)	15.1	21.1 (15:10)	8.5 (7:30)	14.9	21.4 (14:10)	8.8 (7:20)	14.6	23.1 (14:00)	7.6 (6:30)
6	17.0	22.0 (16:10)	11.8 (7:30)	16.4	22.5 (16:00)	11.0 (6:40)	16.2	22.5 (16:00)	11.1 (5:50)	15.8	23.7 (14:30)	10.1 (6:30)
7	16.8	19.9 (15:40)	13.1 (7:30)	16.2	20.1 (15:30)	11.2 (6:40)	16.4	20.4 (14:30)	11.4 (6:50)	15.9	20.7 (14:30)	10.3 (7:00)
8	15.0	19.2 (15:40)	11.4 (4:50)	14.6	19.4 (15:40)	10.0 (4:50)	14.6	19.8 (14:00)	9.6 (6:20)	14.2	20.6 (14:00)	8.4 (6:40)
9	15.1	19.0 (15:30)	10.4 (7:30)	14.6	19.2 (15:20)	9.2 (5:50)	14.5	19.5 (15:30)	8.9 (6:50)	14.2	20.6 (13:50)	7.8 (7:10)
10	15.1	19.2 (15:00)	11.0 (8:10)	14.4	19.4 (15:00)	9.3 (7:00)	14.4	19.7 (14:50)	9.2 (6:50)	13.8	20.7 (14:50)	8.3 (6:50)
11	15.1	19.6 (15:40)	9.6 (7:10)	14.3	20.0 (14:00)	8.6 (7:10)	14.2	20.5 (14:00)	8.6 (6:50)	13.8	21.9 (14:00)	7.2 (7:00)
12	15.5	18.9 (15:00)	11.8 (5:40)	14.9	19.1 (15:00)	10.7 (5:00)	14.9	19.8 (13:30)	10.7 (7:20)	14.6	21.2 (13:30)	9.8 (7:30)
13	13.6	19.3 (15:20)	11.0 (5:40)	12.9	19.4 (15:20)	8.9 (7:00)	13.1	19.9 (14:50)	9.0 (7:00)	12.8	21.0 (14:30)	7.9 (6:00)
14	13.2	16.2 (15:50)	10.6 (7:40)	12.6	16.2 (15:50)	10.0 (4:10)	12.8	16.6 (15:30)	10.1 (23:50)	12.4	17.4 (15:50)	9.2 (24:00)
15	14.4	19.3 (15:20)	9.4 (8:00)	13.7	19.7 (15:20)	8.2 (6:30)	13.6	20.0 (15:10)	8.3 (6:30)	13.2	21.3 (15:10)	7.1 (6:50)
16	15.4	19.9 (14:50)	11.0 (7:10)	14.7	20.2 (14:50)	8.9 (6:50)	14.6	20.6 (14:50)	9.1 (6:40)	13.9	21.7 (14:20)	8.0 (7:00)
17	14.0	17.3 (15:20)	10.8 (3:10)	13.5	17.4 (15:20)	10.2 (3:10)	13.9	17.9 (15:20)	10.8 (5:30)	13.4	18.5 (15:10)	10.1 (23:50)
18	14.0	17.6 (15:30)	10.1 (6:40)	13.3	17.7 (14:30)	8.1 (6:10)	13.4	18.3 (14:30)	8.3 (6:40)	12.8	19.6 (14:40)	7.4 (7:20)
19	13.7	16.8 (6:40)	10.4 (23:20)	13.2	16.5 (13:00)	9.6 (23:20)	13.4	17.2 (13:00)	9.7 (23:30)	12.8	18.0 (13:00)	8.5 (24:00)
20	11.5	14.9 (15:40)	8.3 (7:30)	11.0	15.0 (15:40)	7.6 (7:10)	11.3	15.5 (15:40)	8.1 (7:10)	10.7	16.9 (15:40)	7.0 (24:00)
21	13.7	19.1 (14:50)	9.6 (7:20)	13.1	19.3 (14:50)	8.8 (6:50)	13.1	19.7 (14:30)	8.3 (2:00)	12.4	21.2 (13:50)	6.3 (2:20)
22	13.4	19.6 (16:20)	7.8 (7:00)	12.5	19.5 (15:40)	6.3 (6:50)	12.4	19.7 (15:20)	6.6 (6:30)	11.7	21.1 (14:50)	5.3 (5:30)
23	15.3	19.8 (17:20)	10.4 (7:10)	14.5	20.1 (15:10)	8.4 (6:30)	14.3	20.4 (15:10)	8.1 (6:40)	13.8	21.7 (13:20)	7.0 (6:40)
24	16.7	20.5 (15:40)	13.8 (6:50)	16.2	20.8 (15:20)	11.7 (4:40)	16.1	21.1 (15:10)	11.2 (5:30)	15.3	21.6 (15:10)	9.6 (5:50)
25	15.9	19.1 (15:50)	13.8 (8:10)	15.4	19.4 (15:40)	12.1 (23:50)	15.4	19.7 (15:00)	11.6 (23:50)	14.7	20.5 (15:00)	10.0 (24:00)
26	14.5	19.5 (15:50)	9.4 (8:30)	13.8	19.7 (15:30)	8.3 (6:50)	13.7	20.0 (15:10)	8.1 (6:20)	13.2	21.1 (14:50)	7.0 (6:50)
27	15.3	19.3 (14:50)	12.6 (7:50)	14.9	19.8 (14:10)	11.5 (8:10)	15.1	20.2 (14:10)	11.9 (8:10)	14.9	20.8 (14:10)	11.3 (7:40)
28	14.5	19.1 (15:50)	10.0 (8:50)	13.8	19.3 (15:10)	9.1 (7:40)	14.0	19.6 (15:00)	9.7 (5:40)	13.5	20.7 (13:40)	8.8 (5:30)
29	16.4	21.7 (15:50)	11.2 (8:30)	15.5	22.0 (15:50)	10.2 (7:20)	15.5	22.2 (15:50)	9.9 (7:20)	14.7	23.0 (15:10)	8.9 (7:30)
30	17.8	22.8 (15:50)	13.3 (6:10)	17.3	23.3 (15:20)	12.5 (5:30)	17.3	23.4 (15:30)	12.5 (4:00)	16.7	24.6 (14:50)	11.7 (4:20)
31	17.8	22.3 (14:10)	13.9 (6:30)	17.5	22.6 (14:10)	12.8 (7:00)	17.6	22.9 (14:10)	12.4 (6:40)	17.2	23.3 (14:10)	11.4 (7:00)
월	15.5	24.7 (10/ 1)	7.8 (10/22)	14.9	25.5 (10/ 1)	6.3 (10/22)	14.9	25.6 (10/ 1)	6.6 (10/22)	14.4	27.4 (10/ 1)	5.3 (10/22)

표 5. 계속 (Continued: 2008년 11월)

높이	67 m			27 m			10 m			1.5 m		
	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)
1	11.8	14.6 (0:10)	8.1 (24:00)	11.3	14.2 (0:10)	7.0 (24:00)	11.9	14.7 (13:50)	7.6 (24:00)	11.6	15.3 (13:50)	7.0 (24:00)
2	3.3	8.0 (0:10)	-0.8 (24:00)	2.4	7.0 (0:50)	-2.2 (24:00)	3.4	7.8 (1:00)	-1.8 (24:00)	2.8	6.8 (0:10)	-2.9 (24:00)
3	4.1	9.2 (16:40)	-1.5 (3:40)	3.2	8.7 (16:40)	-3.4 (7:10)	3.8	9.8 (14:00)	-3.2 (6:20)	3.0	10.8 (14:00)	-4.8 (4:30)
4	10.8	13.5 (16:10)	6.7 (1:30)	10.1	13.3 (14:40)	5.4 (2:50)	10.7	14.1 (14:40)	5.2 (1:10)	9.9	14.1 (14:40)	3.3 (1:20)
5	15.4	18.4 (15:20)	13.4 (0:30)	14.9	18.7 (15:20)	11.8 (23:10)	15.1	19.2 (15:20)	11.1 (23:00)	14.4	20.3 (13:30)	9.7 (23:50)
6	15.1	19.8 (15:40)	10.9 (5:40)	14.3	20.2 (14:20)	8.8 (6:20)	14.3	20.8 (14:30)	8.7 (6:00)	13.6	21.9 (14:30)	7.7 (5:50)
7	16.3	21.2 (15:50)	11.2 (8:00)	15.6	21.5 (15:50)	9.4 (6:50)	15.7	21.9 (15:50)	9.8 (6:50)	15.1	22.2 (15:50)	9.0 (6:40)
8	17.0	18.9 (2:00)	15.8 (12:30)	16.5	18.0 (4:20)	15.5 (12:30)	16.5	17.5 (4:20)	15.8 (7:30)	16.0	17.1 (14:50)	15.0 (7:30)
9	17.1	19.9 (16:30)	15.0 (9:10)	17.0	20.1 (16:30)	15.1 (8:30)	17.2	20.4 (16:10)	15.5 (8:40)	16.8	20.2 (14:50)	15.1 (8:40)
10	15.2	16.8 (0:10)	12.6 (24:00)	15.0	16.6 (0:10)	12.0 (23:50)	15.5	16.9 (0:10)	12.5 (23:50)	15.1	17.0 (12:10)	11.9 (24:00)
11	10.4	13.4 (12:50)	7.8 (23:50)	9.9	13.6 (12:50)	6.9 (7:20)	10.7	14.8 (12:40)	7.6 (7:20)	10.5	15.7 (12:40)	7.0 (7:20)
12	9.4	10.6 (16:00)	7.7 (0:30)	8.8	10.2 (16:00)	7.0 (0:30)	9.7	11.4 (11:10)	7.8 (0:30)	9.4	12.1 (11:20)	7.0 (0:30)
13	10.1	10.7 (11:50)	9.6 (2:00)	9.5	10.1 (11:40)	8.8 (1:10)	10.2	10.9 (11:40)	9.3 (1:10)	9.8	10.7 (11:40)	8.6 (1:20)
14	7.5	9.9 (0:10)	2.9 (23:10)	6.9	9.4 (0:10)	2.0 (23:10)	7.7	10.2 (0:10)	3.1 (23:10)	7.3	10.0 (10:20)	2.5 (23:20)
15	1.8	3.4 (14:50)	0.4 (21:50)	0.8	2.8 (14:50)	-1.1 (20:20)	1.8	3.9 (14:20)	-0.6 (20:00)	1.1	3.8 (14:50)	-1.8 (21:30)
16	0.0	2.2 (15:00)	-1.6 (8:10)	-0.9	1.5 (15:00)	-2.8 (8:00)	0.3	2.8 (15:00)	-1.6 (7:50)	-0.3	2.4 (14:40)	-2.5 (7:50)
17	0.5	3.0 (15:30)	-1.1 (7:20)	-0.5	2.5 (14:50)	-2.2 (7:30)	0.6	3.8 (14:50)	-1.5 (23:40)	-0.1	4.1 (14:50)	-3.8 (24:00)
18	0.1	3.2 (15:40)	-3.6 (8:20)	-1.1	2.5 (15:30)	-5.4 (7:30)	-0.3	3.7 (15:30)	-5.2 (7:40)	-1.6	3.8 (15:30)	-6.8 (7:50)
19	2.5	5.3 (12:20)	0.3 (1:40)	1.3	5.0 (12:20)	-1.5 (3:30)	2.2	6.2 (12:20)	-0.8 (2:20)	1.1	6.2 (12:20)	-2.4 (0:20)
20	2.3	5.7 (15:10)	-1.1 (7:00)	1.0	5.1 (15:10)	-3.0 (4:50)	1.8	6.2 (15:10)	-2.4 (4:50)	0.8	6.5 (14:50)	-3.9 (5:20)
21	1.5	3.7 (16:10)	-1.0 (24:00)	0.2	2.8 (15:30)	-3.0 (23:30)	1.4	4.1 (14:50)	-2.2 (23:20)	0.6	4.4 (14:50)	-4.2 (24:00)
22	2.8	8.0 (16:20)	-2.8 (7:10)	1.3	7.3 (15:40)	-5.2 (7:00)	2.2	8.5 (14:50)	-4.6 (7:50)	1.0	9.7 (14:50)	-6.1 (7:30)
23	7.8	12.3 (13:40)	3.8 (4:30)	6.5	12.2 (13:40)	1.9 (5:20)	7.1	13.3 (13:40)	2.4 (5:30)	6.2	14.4 (13:30)	0.7 (6:40)
24	7.2	12.5 (15:30)	1.8 (9:30)	5.6	12.1 (15:10)	-0.6 (8:20)	6.2	13.1 (15:00)	0.5 (8:20)	5.1	13.5 (14:50)	-0.9 (7:40)
25	5.2	7.1 (18:40)	2.5 (7:30)	3.5	5.9 (16:20)	0.2 (7:20)	4.2	7.0 (16:10)	0.8 (7:20)	3.0	6.6 (16:20)	-0.8 (7:40)
26	6.1	10.8 (17:20)	3.3 (9:20)	4.8	9.6 (18:10)	2.1 (9:20)	5.5	9.6 (17:10)	3.4 (9:20)	4.7	9.4 (17:10)	3.2 (9:20)
27	7.2	9.5 (13:50)	5.1 (24:00)	6.4	9.3 (13:50)	4.0 (24:00)	6.7	10.0 (14:00)	4.1 (22:50)	6.1	10.0 (14:00)	2.7 (23:10)
28	5.5	8.2 (15:40)	3.2 (6:50)	4.7	8.0 (14:50)	2.1 (6:00)	5.2	8.7 (14:50)	2.4 (6:00)	4.7	9.5 (14:50)	1.6 (6:10)
29	5.0	6.5 (5:10)	3.6 (24:00)	3.9	5.3 (5:20)	2.8 (24:00)	4.3	5.1 (5:20)	3.3 (2:50)	3.9	5.1 (16:20)	2.5 (2:00)
30	4.6	7.4 (16:00)	2.2 (9:10)	3.7	7.0 (14:40)	1.3 (8:10)	4.1	7.7 (14:40)	1.8 (23:30)	3.6	7.8 (15:00)	0.5 (23:40)
월	7.5	21.2 (11/ 7)	-3.6 (11/18)	6.6	21.5 (11/ 7)	-5.4 (11/18)	7.2	21.9 (11/ 7)	-5.2 (11/18)	6.5	22.2 (11/ 7)	-6.8 (11/18)

표 5. 계속 (Continued: 2009년 12월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	5.6	8.8 (16:10)	2.8 (3:00)	4.6	8.5 (16:10)	1.3 (0:20)	4.9	9.1 (14:30)	1.5 (0:10)	4.2	9.3 (14:40)	0.3 (0:30)
2	4.3	8.0 (15:00)	0.3 (8:10)	3.0	7.5 (15:00)	-1.2 (5:50)	3.4	8.4 (15:00)	-0.7 (6:20)	2.9	8.6 (14:50)	-1.2 (6:30)
3	4.2	5.6 (16:00)	2.2 (8:00)	3.2	5.0 (16:00)	0.8 (24:00)	3.6	5.8 (15:50)	0.7 (24:00)	2.9	5.9 (13:20)	-0.9 (24:00)
4	2.9	6.4 (16:30)	-1.2 (4:40)	1.4	6.0 (15:50)	-3.2 (6:00)	1.8	6.6 (15:50)	-2.9 (5:50)	1.0	7.4 (13:50)	-3.9 (7:30)
5	1.8	5.6 (4:20)	-2.5 (23:50)	0.8	4.8 (4:20)	-3.8 (24:00)	1.6	5.5 (4:20)	-3.0 (24:00)	1.0	5.0 (4:30)	-4.3 (24:00)
6	-1.9	1.4 (15:50)	-4.6 (8:30)	-3.1	0.7 (15:50)	-6.0 (6:30)	-2.4	1.6 (15:40)	-5.8 (7:50)	-3.4	1.8 (14:40)	-7.5 (7:20)
7	-0.3	4.1 (16:10)	-4.7 (7:30)	-1.7	3.5 (16:10)	-6.9 (7:40)	-1.3	4.3 (15:50)	-6.4 (7:40)	-2.4	4.8 (14:30)	-8.3 (8:00)
8	0.8	4.7 (15:20)	-2.9 (6:40)	-0.5	4.2 (15:20)	-4.8 (5:00)	0.1	5.0 (15:20)	-4.2 (6:20)	-0.8	4.8 (15:20)	-5.8 (6:30)
9	4.5	8.0 (14:30)	0.6 (5:50)	3.5	7.6 (14:30)	-0.9 (3:50)	4.1	8.3 (14:30)	-0.7 (3:30)	3.4	8.5 (14:10)	-2.1 (3:30)
10	8.1	9.0 (17:20)	6.2 (0:10)	7.5	8.5 (15:10)	4.9 (0:40)	7.9	8.9 (15:00)	5.2 (0:40)	7.3	8.5 (15:10)	4.7 (1:20)
11	8.2	9.0 (13:50)	7.6 (7:40)	7.6	8.8 (13:50)	7.0 (23:00)	8.1	9.3 (13:50)	7.4 (23:00)	7.9	9.4 (13:30)	6.9 (23:10)
12	6.4	8.6 (15:00)	2.8 (23:30)	5.8	8.5 (15:00)	1.8 (24:00)	6.3	9.1 (15:00)	2.1 (24:00)	6.1	9.8 (15:00)	1.5 (24:00)
13	3.3	6.3 (15:50)	1.7 (23:50)	2.2	5.9 (15:50)	-0.3 (23:50)	2.7	6.6 (15:20)	-0.2 (23:30)	1.8	6.7 (13:40)	-2.6 (24:00)
14	1.0	3.5 (15:30)	-0.8 (5:20)	-0.3	3.0 (15:00)	-3.2 (7:30)	0.2	3.8 (15:00)	-2.9 (6:10)	-0.8	4.3 (15:00)	-5.1 (7:20)
15	-2.1	-0.1 (0:10)	-4.4 (24:00)	-3.1	-1.5 (15:30)	-5.7 (24:00)	-2.2	-0.4 (14:20)	-4.6 (23:50)	-2.8	-0.5 (14:40)	-6.0 (23:40)
16	-5.0	-1.8 (15:10)	-7.9 (8:30)	-6.2	-2.6 (15:10)	-9.4 (8:20)	-5.2	-1.5 (15:10)	-8.8 (7:50)	-6.0	-1.3 (15:00)	-10.6 (8:20)
17	-5.2	-2.5 (15:10)	-7.2 (6:50)	-6.4	-3.4 (15:10)	-8.9 (7:00)	-5.4	-2.2 (15:10)	-8.3 (6:50)	-6.1	-2.1 (15:10)	-9.7 (6:00)
18	-7.1	-4.7 (13:50)	-10.1 (8:50)	-8.4	-5.4 (13:50)	-12.2 (7:40)	-7.4	-4.1 (13:50)	-11.9 (7:40)	-8.3	-4.3 (13:50)	-13.7 (8:00)
19	-5.1	-2.3 (16:40)	-7.9 (7:50)	-6.3	-3.3 (16:20)	-9.5 (7:50)	-5.2	-2.3 (16:20)	-8.8 (8:00)	-5.8	-2.9 (16:20)	-10.0 (8:10)
20	-3.6	-0.0 (15:00)	-6.3 (5:50)	-4.8	-0.8 (15:00)	-8.1 (6:10)	-3.9	0.2 (15:00)	-7.6 (6:00)	-4.7	0.1 (15:00)	-9.1 (6:00)
21	-3.2	0.7 (15:40)	-6.9 (9:00)	-4.5	0.0 (15:40)	-9.3 (7:50)	-3.8	1.0 (15:30)	-9.0 (7:30)	-4.9	1.7 (15:00)	-11.2 (8:00)
22	3.0	7.1 (15:00)	-2.2 (3:10)	1.6	6.7 (15:00)	-4.2 (3:10)	1.9	7.4 (14:30)	-3.9 (2:10)	0.9	7.7 (13:50)	-5.3 (2:20)
23	5.7	8.8 (15:00)	3.0 (23:10)	4.6	8.6 (15:20)	1.6 (23:50)	4.9	9.3 (15:10)	1.5 (23:40)	4.1	9.8 (15:20)	0.7 (24:00)
24	2.5	6.2 (15:30)	-1.1 (7:50)	1.2	5.9 (15:30)	-2.2 (6:10)	1.6	6.6 (15:30)	-1.8 (6:10)	0.7	6.8 (15:00)	-2.9 (6:10)
25	1.3	4.3 (13:50)	-1.4 (24:00)	-0.1	3.5 (13:40)	-3.2 (3:10)	0.6	4.4 (13:40)	-2.8 (3:50)	0.1	4.3 (13:40)	-3.5 (3:50)
26	-4.7	-1.6 (0:10)	-6.8 (23:40)	-5.8	-2.6 (0:10)	-8.5 (23:50)	-4.7	-1.6 (0:10)	-7.6 (23:50)	-5.2	-2.0 (0:10)	-9.0 (23:40)
27	-6.1	-2.5 (14:20)	-8.6 (8:50)	-7.6	-3.4 (14:20)	-10.3 (8:30)	-6.6	-2.2 (14:20)	-9.3 (8:10)	-7.6	-2.5 (13:40)	-11.2 (7:10)
28	-6.1	-3.6 (15:10)	-7.7 (9:00)	-7.7	-4.5 (14:50)	-9.9 (7:20)	-6.9	-3.3 (14:50)	-9.7 (8:20)	-8.1	-3.3 (14:10)	-11.4 (8:10)
29	-2.3	5.3 (22:30)	-9.8 (8:20)	-3.7	4.6 (22:30)	-11.7 (8:00)	-2.9	5.2 (22:30)	-10.8 (8:10)	-4.0	4.5 (23:50)	-12.6 (7:50)
30	-0.1	5.6 (0:30)	-5.3 (24:00)	-1.0	4.8 (0:40)	-6.6 (24:00)	-0.1	5.5 (0:40)	-5.6 (24:00)	-0.7	4.7 (0:40)	-6.4 (24:00)
31	-7.2	-5.3 (0:10)	-8.6 (24:00)	-8.5	-6.6 (0:20)	-10.7 (24:00)	-7.5	-5.6 (0:40)	-10.4 (23:40)	-8.3	-6.0 (13:10)	-12.2 (24:00)
월	0.1	9.0 (12/11)	-10.1 (12/18)	-1.1	8.8 (12/11)	-12.2 (12/18)	-0.4	9.3 (12/11)	-11.9 (12/18)	-1.1	9.8 (12/12)	-13.7 (12/18)

표 6. 상대습도의 월간 통계값 (Monthly statistics of relative humidity: 2009년 1월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	60	76 (0:10)	44 (16:30)	57	73 (0:10)	41 (16:30)	55	72 (0:10)	38 (16:30)	67	85 (0:10)	47 (15:10)
2	62	80 (9:30)	44 (16:10)	62	83 (8:40)	42 (16:10)	60	82 (8:40)	39 (15:40)	73	97 (9:10)	48 (15:30)
3	57	85 (9:40)	27 (15:10)	57	86 (8:50)	24 (15:20)	55	84 (9:00)	19 (15:30)	67	98 (9:10)	33 (15:10)
4	55	75 (7:30)	31 (18:20)	54	77 (9:00)	30 (18:30)	53	75 (9:00)	30 (19:00)	66	89 (8:40)	45 (19:00)
5	68	78 (8:10)	48 (0:10)	67	79 (8:00)	49 (0:10)	65	79 (7:50)	44 (16:30)	77	95 (9:10)	59 (16:20)
6	67	93 (9:10)	35 (16:50)	65	92 (9:10)	31 (16:50)	63	89 (8:40)	31 (16:50)	74	100 (9:10)	41 (16:50)
7	57	84 (9:40)	34 (18:50)	56	85 (8:00)	33 (16:20)	54	81 (8:30)	29 (17:30)	66	96 (9:10)	40 (16:00)
8	53	86 (8:50)	28 (17:00)	53	82 (7:20)	27 (17:10)	51	76 (8:00)	23 (17:40)	64	92 (8:50)	36 (17:10)
9	61	70 (8:50)	47 (0:20)	61	74 (9:00)	45 (0:20)	58	72 (9:00)	47 (1:00)	71	88 (9:00)	57 (13:40)
10	67	89 (7:00)	43 (15:40)	64	85 (7:10)	41 (15:40)	61	84 (7:20)	38 (16:30)	72	91 (7:20)	46 (15:40)
11	63	74 (9:20)	47 (14:30)	61	76 (9:10)	45 (14:30)	58	74 (5:20)	41 (14:30)	70	88 (7:20)	48 (14:30)
12	73	86 (9:50)	53 (16:00)	70	84 (9:30)	47 (16:00)	67	82 (8:30)	47 (16:00)	77	92 (9:30)	58 (16:00)
13	60	85 (0:10)	39 (15:20)	58	81 (0:10)	36 (14:30)	56	78 (0:20)	30 (14:30)	69	91 (8:50)	41 (15:20)
14	63	94 (5:00)	39 (15:10)	60	91 (4:10)	37 (15:10)	57	86 (5:20)	34 (14:50)	69	97 (5:20)	43 (15:10)
15	49	72 (8:40)	33 (20:20)	47	70 (8:50)	32 (17:00)	45	68 (8:50)	25 (17:00)	59	84 (8:40)	41 (17:10)
16	75	94 (23:10)	52 (0:10)	72	91 (23:40)	49 (0:20)	70	92 (24:00)	47 (0:10)	81	100 (22:10)	61 (0:20)
17	84	100 (12:30)	57 (16:10)	82	100 (11:50)	52 (15:40)	80	100 (12:20)	51 (16:00)	89	100 (0:10)	60 (15:40)
18	82	99 (11:40)	64 (16:40)	83	100 (11:40)	61 (15:50)	85	100 (13:30)	68 (17:40)	92	100 (5:40)	73 (15:50)
19	58	75 (8:30)	40 (18:50)	56	76 (8:30)	41 (19:00)	55	76 (8:40)	38 (19:30)	68	91 (7:50)	52 (15:10)
20	46	72 (7:10)	27 (16:00)	46	71 (9:00)	22 (16:00)	43	67 (8:50)	23 (15:50)	57	83 (9:00)	33 (16:00)
21	53	71 (6:50)	36 (1:10)	52	72 (7:10)	34 (1:10)	51	67 (7:10)	32 (16:10)	63	80 (7:30)	45 (15:50)
22	66	84 (6:30)	50 (14:40)	65	84 (6:30)	46 (14:40)	63	80 (6:30)	41 (14:40)	75	93 (6:40)	50 (14:40)
23	67	86 (5:40)	52 (11:40)	64	84 (5:50)	48 (12:10)	60	78 (5:50)	42 (12:10)	70	88 (5:50)	54 (12:20)
24	73	88 (9:50)	55 (13:20)	70	85 (9:50)	51 (13:20)	69	82 (9:50)	50 (13:20)	80	93 (9:50)	61 (13:20)
25	73	93 (24:00)	42 (17:10)	71	90 (24:00)	41 (17:10)	69	86 (3:50)	36 (17:30)	79	98 (24:00)	51 (17:10)
26	74	94 (0:20)	56 (3:30)	75	91 (0:30)	57 (3:20)	73	89 (0:40)	57 (14:20)	86	100 (1:20)	68 (14:20)
27	61	88 (8:30)	35 (16:50)	60	89 (8:40)	33 (17:10)	59	86 (8:50)	28 (16:50)	71	100 (9:10)	43 (15:40)
28	55	85 (9:10)	27 (15:30)	56	88 (6:50)	23 (15:10)	54	85 (6:50)	20 (15:20)	67	98 (9:10)	32 (15:20)
29	59	82 (8:10)	44 (16:10)	60	80 (8:30)	42 (16:00)	59	77 (8:30)	39 (16:00)	71	89 (8:40)	49 (14:50)
30	63	82 (9:30)	50 (5:20)	62	78 (9:20)	54 (5:10)	60	77 (8:50)	48 (14:20)	72	90 (9:30)	62 (14:20)
31	64	82 (7:00)	42 (16:20)	63	88 (8:30)	37 (16:00)	61	88 (8:10)	37 (16:10)	73	98 (8:50)	47 (16:00)
월	63	100 (1/17)	27 (1/ 3)	62	100 (1/17)	22 (1/20)	60	100 (1/18)	19 (1/ 3)	72	100 (1/ 6)	32 (1/28)

표 6. 계속 (Continued: 2009년 2월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	58	72 (6:50)	44 (16:20)	57	71 (6:00)	41 (16:40)	56	76 (8:10)	38 (12:30)	69	91 (8:50)	46 (14:40)
2	74	85 (6:50)	62 (15:10)	73	85 (6:40)	59 (15:10)	72	86 (6:00)	55 (15:10)	84	97 (6:40)	66 (15:10)
3	84	98 (10:40)	56 (18:10)	82	98 (10:30)	56 (18:20)	81	94 (10:10)	58 (18:20)	91	100 (6:50)	71 (15:50)
4	72	99 (8:00)	22 (18:10)	70	98 (5:40)	26 (18:10)	68	96 (7:30)	27 (18:10)	77	100 (2:40)	42 (18:10)
5	69	83 (22:10)	48 (0:10)	67	79 (22:20)	52 (12:10)	66	78 (22:20)	50 (12:10)	77	87 (22:50)	61 (12:10)
6	79	99 (11:20)	49 (17:10)	77	100 (10:10)	46 (17:10)	76	100 (9:50)	41 (17:00)	85	100 (7:10)	55 (17:20)
7	83	97 (8:40)	64 (15:40)	81	97 (8:30)	61 (15:40)	80	96 (8:40)	59 (15:40)	89	100 (3:00)	68 (15:40)
8	67	94 (8:20)	30 (17:30)	65	93 (8:50)	27 (17:50)	64	93 (8:50)	25 (17:20)	74	100 (8:20)	38 (17:20)
9	57	75 (22:40)	31 (12:00)	55	72 (22:50)	27 (12:00)	54	71 (22:50)	27 (12:00)	65	81 (23:10)	36 (12:00)
10	73	86 (5:00)	63 (17:30)	70	84 (5:00)	60 (17:30)	69	83 (5:20)	56 (18:50)	81	95 (5:30)	67 (17:20)
11	71	85 (24:00)	44 (16:40)	69	84 (23:50)	41 (16:50)	68	85 (24:00)	39 (16:40)	82	96 (4:20)	50 (16:40)
12	65	98 (7:30)	30 (17:50)	65	100 (9:30)	28 (18:00)	63	100 (10:00)	26 (16:50)	73	100 (4:10)	39 (18:00)
13	83	94 (16:50)	66 (3:10)	81	91 (16:20)	64 (3:50)	80	92 (19:40)	62 (3:40)	93	100 (7:10)	77 (3:50)
14	78	90 (23:40)	50 (16:10)	75	89 (23:50)	47 (16:10)	74	89 (24:00)	46 (16:10)	84	100 (23:30)	56 (16:10)
15	75	99 (7:40)	49 (15:20)	73	99 (8:30)	45 (16:30)	71	99 (8:00)	40 (16:30)	80	100 (0:20)	53 (15:20)
16	44	61 (6:10)	19 (12:30)	41	59 (6:10)	17 (12:30)	38	55 (23:30)	13 (12:20)	49	70 (6:10)	23 (12:30)
17	42	60 (1:40)	16 (16:00)	40	60 (8:10)	14 (15:50)	37	60 (8:10)	12 (16:10)	50	75 (8:20)	21 (16:10)
18	56	76 (24:00)	35 (10:50)	53	72 (24:00)	32 (10:50)	50	71 (24:00)	26 (10:50)	63	82 (8:20)	39 (10:50)
19	76	98 (21:50)	44 (15:20)	73	97 (22:20)	39 (15:20)	72	97 (22:10)	40 (15:30)	81	100 (18:50)	51 (15:30)
20	76	98 (2:30)	48 (16:00)	74	99 (2:40)	45 (15:40)	73	98 (3:00)	43 (15:30)	83	100 (0:10)	56 (15:50)
21	59	89 (8:20)	24 (16:30)	57	86 (8:10)	22 (16:30)	55	84 (8:30)	20 (17:10)	67	98 (8:50)	31 (16:40)
22	75	85 (23:40)	62 (0:10)	75	89 (24:00)	61 (0:20)	74	88 (24:00)	59 (0:10)	86	97 (24:00)	75 (0:10)
23	71	86 (2:00)	51 (15:10)	69	91 (8:10)	48 (14:30)	68	90 (0:20)	45 (14:30)	80	99 (1:40)	55 (14:30)
24	70	81 (6:30)	56 (16:30)	67	82 (8:10)	53 (16:30)	66	82 (7:40)	51 (18:00)	78	93 (6:00)	61 (16:30)
25	66	93 (2:00)	30 (15:20)	64	93 (2:10)	28 (15:20)	63	92 (1:40)	25 (15:40)	75	100 (1:10)	37 (15:20)
26	46	67 (7:40)	20 (14:50)	44	66 (7:40)	19 (14:50)	43	67 (7:10)	17 (14:50)	55	83 (8:00)	25 (14:50)
27	43	67 (8:30)	14 (16:30)	41	64 (7:50)	13 (16:20)	39	63 (7:50)	9 (16:30)	50	74 (8:10)	21 (16:20)
28	43	75 (7:50)	21 (17:40)	42	75 (8:00)	18 (17:10)	40	73 (8:10)	13 (17:10)	52	85 (8:20)	27 (14:20)
월	66	99 (2/ 6)	14 (2/27)	64	100 (2/ 6)	13 (2/27)	63	100 (2/ 6)	9 (2/27)	74	100 (2/ 3)	21 (2/17)

표 6. 계속 (Continued: 2009년 3월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	39	58 (8:10)	15 (14:20)	38	63 (8:20)	13 (14:20)	36	63 (7:40)	11 (17:30)	48	80 (8:20)	21 (14:20)
2	53	72 (24:00)	48 (13:50)	50	69 (24:00)	43 (15:10)	48	67 (24:00)	38 (14:10)	61	77 (24:00)	49 (15:10)
3	93	99 (11:00)	70 (0:30)	92	100 (11:50)	68 (0:30)	92	100 (10:50)	67 (0:50)	98	100 (3:00)	79 (0:10)
4	71	91 (0:20)	49 (16:50)	69	90 (0:30)	45 (16:50)	69	92 (0:40)	44 (16:50)	81	100 (0:10)	53 (16:50)
5	83	97 (22:20)	63 (0:10)	83	97 (21:50)	64 (14:20)	83	97 (16:50)	64 (13:30)	93	100 (7:50)	74 (13:30)
6	63	93 (0:40)	23 (14:20)	61	93 (0:10)	18 (14:30)	60	93 (4:10)	18 (14:20)	72	100 (0:10)	29 (14:30)
7	50	79 (6:40)	28 (14:50)	48	77 (6:50)	24 (14:30)	47	77 (7:00)	22 (14:40)	59	91 (7:50)	33 (14:50)
8	45	75 (7:00)	11 (16:10)	43	75 (7:10)	10 (16:10)	42	72 (7:20)	9 (16:10)	54	88 (8:10)	18 (16:10)
9	54	85 (24:00)	32 (3:30)	54	84 (23:50)	34 (15:50)	53	86 (23:50)	30 (14:50)	64	95 (24:00)	42 (16:20)
10	46	87 (0:30)	18 (15:00)	44	86 (5:10)	15 (14:20)	42	88 (5:10)	10 (13:20)	55	97 (0:40)	23 (13:20)
11	36	59 (9:10)	17 (15:20)	35	56 (7:00)	15 (15:30)	34	55 (7:00)	12 (15:30)	47	67 (7:20)	24 (16:10)
12	41	89 (24:00)	17 (13:30)	42	85 (23:20)	15 (12:40)	41	89 (24:00)	13 (12:30)	53	100 (24:00)	24 (13:30)
13	82	98 (11:40)	41 (19:30)	81	97 (11:00)	39 (19:30)	80	97 (11:50)	38 (20:00)	89	100 (0:20)	51 (19:30)
14	48	64 (8:30)	34 (16:40)	44	60 (8:30)	30 (16:40)	43	59 (8:30)	25 (15:20)	54	71 (24:00)	39 (15:20)
15	57	76 (7:20)	42 (15:20)	54	75 (5:20)	37 (15:40)	54	77 (7:00)	35 (15:00)	66	93 (7:20)	47 (15:20)
16	70	89 (23:50)	50 (15:30)	67	87 (24:00)	46 (15:30)	65	88 (24:00)	42 (15:40)	76	97 (23:50)	55 (15:30)
17	58	99 (9:00)	13 (15:30)	58	100 (8:20)	11 (15:20)	57	100 (9:00)	9 (14:00)	67	100 (1:10)	22 (15:30)
18	68	75 (7:50)	57 (0:10)	64	72 (8:20)	54 (0:10)	64	72 (8:20)	52 (0:10)	75	83 (7:20)	65 (0:10)
19	74	92 (24:00)	58 (15:20)	71	88 (24:00)	55 (15:20)	71	87 (24:00)	54 (15:20)	82	97 (24:00)	63 (15:20)
20	62	96 (2:10)	26 (17:50)	59	93 (2:10)	24 (18:20)	58	91 (2:10)	22 (18:00)	69	100 (1:40)	34 (16:50)
21	65	97 (24:00)	26 (14:20)	63	98 (24:00)	22 (14:40)	63	98 (24:00)	21 (14:20)	75	100 (3:50)	34 (14:20)
22	83	99 (9:30)	59 (16:30)	81	100 (1:20)	56 (15:50)	81	100 (1:10)	55 (15:50)	88	100 (0:10)	63 (16:30)
23	58	86 (6:50)	39 (18:10)	56	83 (7:00)	37 (16:20)	55	83 (7:30)	35 (22:10)	66	99 (7:30)	45 (12:50)
24	48	96 (23:40)	22 (13:00)	45	94 (23:50)	19 (12:30)	43	94 (23:40)	16 (12:30)	54	98 (23:50)	26 (13:10)
25	54	94 (0:10)	19 (14:00)	52	93 (0:10)	16 (13:00)	52	93 (0:10)	14 (13:00)	63	98 (0:50)	24 (14:00)
26	60	77 (15:40)	30 (21:30)	57	75 (15:40)	27 (21:40)	55	75 (15:40)	21 (21:30)	67	85 (15:40)	39 (21:30)
27	42	58 (7:20)	18 (13:20)	39	58 (7:20)	16 (13:00)	38	58 (7:10)	12 (13:50)	49	71 (7:20)	23 (13:20)
28	46	73 (7:30)	21 (17:10)	44	74 (7:40)	19 (17:10)	43	72 (7:10)	19 (17:50)	55	86 (7:40)	28 (17:10)
29	48	66 (23:50)	28 (16:20)	46	67 (5:30)	26 (15:40)	44	64 (7:30)	24 (17:40)	56	78 (7:20)	34 (16:30)
30	62	92 (23:10)	42 (15:50)	59	91 (24:00)	39 (14:10)	57	91 (24:00)	36 (14:10)	69	100 (24:00)	46 (14:10)
31	72	97 (6:20)	39 (15:50)	69	95 (7:10)	35 (15:50)	69	97 (7:40)	35 (15:50)	78	100 (0:10)	46 (16:00)
월	59	99 (3/ 3)	11 (3/ 8)	57	100 (3/17)	10 (3/ 8)	56	100 (3/17)	9 (3/17)	67	100 (3/ 3)	18 (3/ 8)

표 6. 계속 (Continued: 2009년 4월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	63	79 (7:30)	43 (17:00)	60	77 (7:30)	40 (15:50)	58	76 (7:40)	37 (17:30)	70	91 (7:50)	48 (15:50)
2	58	84 (7:10)	31 (16:30)	55	84 (6:50)	29 (15:50)	55	88 (6:50)	27 (17:50)	66	100 (7:10)	37 (16:20)
3	48	75 (7:50)	25 (19:20)	46	72 (5:10)	22 (19:30)	44	71 (5:10)	21 (19:20)	56	84 (7:30)	32 (19:20)
4	55	72 (24:00)	35 (4:00)	52	69 (24:00)	34 (4:10)	50	72 (23:40)	36 (4:10)	62	82 (24:00)	50 (4:20)
5	58	88 (7:30)	24 (18:00)	56	90 (7:20)	22 (18:10)	56	89 (7:30)	19 (18:00)	68	100 (7:20)	32 (18:00)
6	58	93 (6:50)	25 (17:30)	55	91 (5:50)	21 (17:30)	54	93 (6:40)	19 (17:30)	66	100 (6:40)	33 (16:10)
7	46	65 (8:20)	21 (17:10)	43	62 (8:20)	19 (17:10)	44	66 (7:30)	18 (17:10)	58	84 (7:30)	29 (14:00)
8	40	73 (8:00)	17 (15:10)	38	74 (7:30)	14 (18:00)	39	73 (7:50)	11 (18:10)	51	87 (7:50)	26 (15:30)
9	41	69 (7:40)	13 (15:50)	39	71 (7:30)	10 (15:50)	40	71 (7:40)	9 (16:00)	53	86 (7:40)	22 (16:00)
10	38	67 (8:00)	18 (17:50)	37	77 (7:10)	15 (20:10)	38	74 (7:40)	14 (18:00)	51	88 (7:20)	27 (13:40)
11	35	64 (8:10)	15 (17:40)	34	64 (7:20)	13 (17:20)	34	67 (7:00)	12 (14:30)	47	79 (7:10)	25 (14:30)
12	44	70 (7:00)	27 (14:50)	42	67 (7:10)	23 (18:10)	42	67 (7:30)	23 (17:50)	55	81 (7:30)	34 (14:50)
13	48	63 (6:50)	34 (15:10)	46	64 (7:00)	31 (15:10)	47	65 (8:20)	28 (15:10)	59	81 (7:30)	41 (15:10)
14	69	93 (7:10)	51 (17:40)	66	92 (7:00)	50 (17:30)	67	91 (7:00)	48 (14:30)	78	100 (6:50)	59 (16:40)
15	87	97 (24:00)	64 (12:30)	85	97 (23:30)	61 (12:30)	86	98 (22:40)	61 (12:30)	95	100 (2:40)	70 (12:30)
16	79	97 (0:20)	58 (17:30)	77	97 (0:10)	55 (17:40)	77	98 (5:10)	55 (17:40)	86	100 (0:10)	67 (17:20)
17	57	96 (7:50)	23 (14:10)	55	96 (7:40)	20 (14:10)	56	97 (7:30)	21 (14:10)	67	100 (2:40)	32 (14:10)
18	36	70 (5:40)	17 (15:30)	36	71 (6:10)	15 (18:00)	36	72 (6:20)	13 (14:40)	50	86 (6:30)	27 (15:30)
19	38	67 (5:30)	23 (15:30)	38	71 (7:20)	20 (15:50)	38	70 (7:00)	19 (15:50)	52	85 (7:20)	33 (16:10)
20	78	97 (21:00)	37 (0:10)	77	97 (21:10)	37 (0:10)	78	96 (23:00)	40 (3:40)	89	100 (9:10)	54 (0:10)
21	76	96 (0:20)	56 (14:30)	74	95 (0:10)	54 (14:30)	74	95 (5:10)	54 (17:10)	85	100 (0:10)	66 (15:30)
22	58	79 (23:00)	35 (13:10)	56	77 (23:10)	31 (13:00)	56	79 (5:40)	31 (12:40)	64	96 (5:50)	34 (13:00)
23	64	92 (7:00)	36 (16:10)	62	90 (7:10)	33 (16:10)	63	93 (6:20)	33 (16:10)	68	100 (6:50)	35 (15:20)
24	73	97 (24:00)	63 (11:50)	70	97 (23:50)	60 (11:50)	71	97 (23:20)	59 (11:50)	77	98 (24:00)	64 (11:50)
25	86	99 (4:30)	71 (14:50)	84	98 (4:20)	69 (14:50)	85	99 (5:00)	69 (14:50)	89	100 (5:00)	73 (14:50)
26	72	92 (5:40)	47 (14:10)	69	90 (5:40)	45 (13:50)	69	90 (5:40)	44 (13:50)	75	96 (1:50)	48 (13:50)
27	64	95 (4:40)	26 (15:50)	62	96 (5:10)	24 (15:30)	62	95 (6:30)	23 (15:50)	67	100 (7:00)	27 (15:50)
28	54	88 (7:00)	22 (15:10)	53	91 (6:40)	18 (15:10)	54	92 (7:00)	19 (15:10)	61	100 (7:10)	22 (15:10)
29	46	86 (6:50)	17 (15:30)	46	85 (7:10)	15 (15:30)	46	85 (7:00)	13 (15:30)	54	96 (7:20)	17 (15:30)
30	35	65 (8:00)	17 (13:50)	35	70 (7:20)	16 (14:00)	36	70 (7:20)	13 (14:20)	45	82 (6:40)	17 (14:00)
월	57	99 (4/25)	13 (4/ 9)	55	98 (4/25)	10 (4/ 9)	55	99 (4/25)	9 (4/ 9)	65	100 (4/ 2)	17 (4/30)

표 6. 계속 (Continued: 2009년 5월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	47	72 (24:00)	27 (0:10)	45	71 (24:00)	27 (14:50)	46	76 (24:00)	28 (14:10)	52	81 (7:10)	28 (15:30)
2	73	98 (23:30)	49 (13:50)	71	98 (23:30)	47 (14:20)	72	97 (23:50)	46 (14:50)	76	99 (23:40)	48 (13:50)
3	78	98 (2:10)	46 (15:30)	76	98 (7:20)	43 (15:30)	77	99 (8:40)	42 (15:20)	79	100 (7:20)	43 (15:20)
4	63	96 (3:30)	16 (15:20)	62	100 (4:40)	16 (15:20)	64	100 (4:40)	17 (15:20)	66	100 (3:40)	19 (15:30)
5	66	99 (7:10)	29 (21:20)	65	100 (7:10)	27 (15:30)	65	99 (7:10)	25 (15:30)	69	100 (6:30)	31 (15:30)
6	50	88 (6:40)	22 (15:20)	48	85 (6:30)	21 (14:20)	50	87 (6:40)	22 (15:20)	54	94 (7:10)	20 (15:30)
7	40	67 (5:10)	16 (15:10)	39	72 (6:50)	15 (16:10)	40	75 (6:30)	16 (16:10)	41	79 (6:50)	15 (15:10)
8	47	70 (7:40)	26 (14:30)	46	70 (7:20)	25 (14:30)	48	74 (6:20)	25 (14:30)	49	77 (7:10)	24 (14:40)
9	36	64 (8:10)	10 (17:30)	36	69 (6:30)	10 (17:30)	38	75 (7:10)	10 (17:30)	40	81 (7:20)	10 (17:30)
10	42	65 (6:00)	21 (14:40)	42	70 (5:30)	19 (14:40)	45	73 (7:00)	19 (10:50)	45	77 (7:10)	18 (11:30)
11	57	83 (24:00)	29 (12:00)	56	83 (24:00)	28 (11:50)	58	83 (5:50)	27 (11:50)	57	83 (7:00)	26 (13:20)
12	94	100 (8:00)	84 (0:10)	95	100 (6:10)	84 (0:10)	96	100 (6:10)	87 (17:50)	90	97 (8:30)	83 (18:10)
13	43	90 (0:10)	21 (17:20)	46	94 (7:00)	20 (18:00)	50	97 (0:10)	19 (20:30)	52	96 (7:30)	22 (18:10)
14	45	71 (6:20)	24 (14:20)	46	74 (6:50)	22 (14:20)	48	74 (6:50)	21 (14:20)	50	79 (7:00)	23 (14:20)
15	67	91 (21:40)	50 (16:00)	68	94 (21:00)	47 (14:10)	72	97 (18:50)	51 (13:20)	72	92 (20:30)	50 (13:20)
16	96	100 (24:00)	70 (0:10)	97	100 (9:00)	74 (0:10)	99	100 (10:40)	85 (0:10)	95	98 (15:40)	90 (0:40)
17	89	100 (2:30)	70 (21:40)	89	100 (0:10)	71 (19:10)	90	100 (0:10)	73 (21:50)	86	99 (3:00)	71 (19:00)
18	61	93 (4:30)	32 (17:00)	61	95 (5:30)	31 (16:00)	87	100 (6:30)	0 (11:20)	63	99 (7:20)	29 (16:00)
19	54	75 (22:50)	45 (14:20)	54	74 (23:00)	43 (14:20)	47	100 (0:10)	- (4:10)	59	82 (6:50)	42 (14:20)
20	71	95 (7:00)	30 (18:00)	92	100 (18:00)	67 (0:10)	29	93 (7:50)	- (0:10)	75	95 (6:50)	47 (19:30)
21	84	92 (20:20)	50 (0:10)	8	100 (0:10)	- (1:30)	3	43 (24:00)	- (0:10)	92	94 (21:40)	65 (0:10)
22	69	88 (3:20)	50 (13:10)	41	100 (12:20)	- (0:50)	12	73 (1:20)	0 (10:20)	77	94 (1:50)	54 (13:20)
23	70	87 (6:10)	51 (16:20)	29	100 (15:10)	- (0:10)	1	10 (6:40)	- (12:30)	78	94 (6:20)	58 (15:30)
24	67	83 (6:20)	48 (17:40)	34	100 (13:50)	- (0:10)	2	11 (5:40)	0 (11:50)	78	95 (6:50)	56 (15:50)
25	63	93 (8:30)	38 (14:30)	22	66 (22:40)	- (0:10)	31	100 (7:40)	- (13:30)	74	100 (7:50)	47 (14:30)
26	49	78 (6:40)	26 (20:10)	56	87 (6:50)	32 (20:10)	53	80 (6:50)	28 (20:00)	66	92 (7:00)	41 (19:40)
27	45	77 (5:50)	22 (15:20)	53	86 (6:20)	26 (15:20)	48	79 (6:20)	23 (15:20)	61	93 (6:30)	34 (15:10)
28	40	63 (7:20)	21 (17:30)	48	78 (6:50)	24 (17:30)	44	70 (7:00)	23 (17:40)	59	86 (7:10)	34 (17:40)
29	37	63 (24:00)	26 (1:20)	47	70 (23:50)	31 (15:00)	42	62 (23:50)	26 (14:00)	58	81 (7:10)	38 (14:40)
30	54	66 (4:50)	24 (23:50)	62	77 (6:50)	35 (23:40)	56	68 (7:10)	27 (23:40)	70	85 (6:50)	43 (22:10)
31	44	71 (24:00)	24 (13:40)	53	80 (24:00)	30 (13:40)	45	74 (24:00)	22 (13:40)	60	93 (6:50)	35 (13:40)
월	59	100 (5/17)	10 (5/ 9)	54	100 (5/12)	- (5/21)	50	100 (5/12)	- (5/19)	66	100 (5/ 3)	10 (5/ 9)

표 6. 계속 (Continued: 2009년 6월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	55	83 (5:40)	23 (13:50)	62	93 (6:10)	27 (13:50)	57	91 (6:00)	22 (13:50)	68	100 (6:40)	34 (13:50)
2	53	79 (18:40)	40 (9:00)	60	85 (18:40)	46 (9:00)	56	83 (18:50)	41 (8:40)	71	93 (18:50)	53 (9:10)
3	77	88 (12:10)	63 (9:00)	83	94 (23:50)	70 (8:30)	78	93 (23:30)	63 (8:30)	89	100 (22:40)	75 (8:40)
4	66	91 (4:10)	36 (17:30)	72	96 (4:00)	41 (17:20)	70	95 (4:20)	38 (17:30)	82	100 (1:10)	51 (16:00)
5	57	87 (7:20)	35 (14:10)	64	94 (5:30)	39 (14:30)	60	88 (7:00)	34 (14:10)	74	100 (6:50)	46 (14:30)
6	62	74 (23:40)	46 (16:20)	68	83 (23:10)	49 (15:50)	63	83 (23:30)	46 (14:50)	76	95 (6:20)	56 (16:00)
7	66	74 (6:50)	50 (16:30)	74	83 (0:10)	57 (16:30)	68	82 (0:10)	53 (16:30)	82	94 (0:30)	64 (16:40)
8	64	90 (7:30)	50 (19:00)	71	96 (7:10)	56 (14:40)	67	91 (7:30)	51 (12:20)	80	100 (7:00)	62 (12:20)
9	68	92 (24:00)	42 (17:50)	74	96 (24:00)	48 (17:50)	71	93 (24:00)	44 (17:50)	83	100 (6:50)	55 (17:50)
10	83	95 (10:10)	62 (16:10)	88	98 (8:00)	67 (16:10)	86	100 (7:00)	63 (16:10)	93	100 (4:30)	74 (16:40)
11	51	80 (0:50)	32 (18:50)	58	88 (0:50)	39 (18:50)	53	87 (0:50)	33 (18:50)	67	97 (0:30)	45 (18:40)
12	42	66 (7:40)	23 (20:00)	49	73 (7:40)	31 (20:00)	44	66 (7:00)	23 (20:00)	57	83 (7:00)	36 (19:50)
13	51	65 (4:50)	34 (1:10)	60	75 (4:50)	45 (0:10)	53	70 (5:20)	36 (0:10)	68	87 (6:30)	53 (15:00)
14	66	83 (6:10)	49 (13:20)	72	91 (5:50)	54 (13:20)	68	89 (23:40)	47 (13:20)	78	99 (6:50)	59 (12:40)
15	65	86 (3:40)	46 (15:10)	71	93 (6:10)	49 (15:10)	68	93 (6:20)	45 (15:10)	79	100 (7:00)	55 (15:10)
16	58	84 (4:30)	42 (14:50)	64	87 (5:20)	46 (14:50)	60	85 (5:00)	43 (14:50)	73	97 (6:20)	52 (14:00)
17	56	73 (6:30)	42 (14:00)	63	86 (6:50)	44 (14:00)	60	78 (7:00)	42 (13:30)	73	94 (7:10)	52 (13:20)
18	56	83 (7:00)	36 (14:20)	60	86 (7:00)	38 (14:40)	57	82 (6:40)	36 (15:00)	69	96 (6:50)	44 (14:50)
19	56	69 (24:00)	44 (15:50)	61	76 (24:00)	45 (16:00)	59	76 (24:00)	46 (14:50)	69	87 (6:40)	52 (14:50)
20	77	94 (24:00)	62 (11:10)	81	97 (24:00)	66 (11:20)	79	100 (23:30)	64 (11:20)	89	100 (18:20)	75 (11:20)
21	85	96 (8:10)	60 (15:40)	86	97 (1:40)	61 (15:40)	88	100 (0:10)	61 (15:40)	92	100 (0:10)	71 (15:40)
22	68	82 (10:10)	51 (15:30)	73	88 (10:10)	55 (15:30)	70	88 (10:10)	52 (15:30)	79	96 (10:10)	63 (16:10)
23	63	88 (6:00)	41 (20:40)	68	95 (6:10)	47 (13:10)	66	94 (6:50)	44 (21:20)	75	100 (6:40)	52 (13:10)
24	54	81 (6:00)	34 (13:00)	59	87 (6:10)	36 (13:00)	57	85 (3:30)	35 (18:30)	69	99 (6:40)	43 (12:50)
25	48	78 (5:20)	25 (16:30)	54	88 (5:50)	27 (16:40)	52	83 (5:50)	28 (16:20)	65	95 (6:20)	36 (16:20)
26	57	81 (6:10)	37 (16:40)	62	90 (6:30)	39 (16:40)	60	86 (6:20)	39 (16:40)	71	99 (6:50)	47 (15:50)
27	67	82 (6:50)	47 (15:50)	70	87 (7:20)	49 (15:50)	69	86 (5:30)	47 (13:30)	77	96 (7:00)	55 (14:30)
28	68	81 (6:50)	55 (14:00)	72	84 (6:40)	56 (14:00)	70	83 (6:00)	54 (14:00)	79	95 (6:40)	60 (14:10)
29	80	93 (7:20)	55 (14:00)	83	96 (7:20)	58 (14:00)	83	99 (8:30)	56 (14:00)	90	100 (6:20)	64 (14:00)
30	78	87 (2:20)	62 (22:20)	82	89 (2:20)	71 (15:20)	83	90 (19:40)	71 (15:20)	92	99 (23:30)	80 (15:20)
월	63	96 (6/21)	23 (6/12)	68	98 (6/10)	27 (6/ 1)	65	100 (6/10)	22 (6/ 1)	77	100 (6/ 1)	34 (6/ 1)

표 6. 계속 (Continued: 2009년 7월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	66	82 (5:30)	53 (18:30)	71	88 (6:40)	58 (15:20)	69	88 (6:40)	55 (11:20)	80	99 (7:10)	63 (12:20)
2	77	87 (23:20)	55 (14:10)	82	92 (23:50)	60 (14:20)	79	93 (23:50)	55 (14:10)	87	98 (22:50)	64 (14:10)
3	74	92 (7:30)	50 (14:10)	78	96 (3:20)	53 (14:20)	76	97 (6:50)	50 (14:20)	82	100 (5:10)	58 (14:20)
4	72	88 (5:50)	56 (16:40)	77	94 (5:50)	59 (16:40)	75	94 (6:30)	58 (15:00)	83	100 (7:00)	65 (12:10)
5	69	88 (6:50)	48 (18:50)	73	92 (4:00)	51 (18:20)	72	91 (4:00)	51 (18:40)	80	99 (4:50)	60 (12:50)
6	71	89 (6:20)	57 (17:00)	74	93 (6:10)	59 (17:00)	74	92 (6:30)	59 (16:10)	81	100 (6:50)	65 (11:40)
7	84	94 (24:00)	62 (0:40)	88	96 (24:00)	71 (1:00)	88	97 (24:00)	70 (1:00)	96	100 (6:50)	82 (0:20)
8	81	94 (0:20)	64 (17:20)	82	96 (0:20)	66 (16:50)	83	97 (0:10)	67 (17:10)	89	100 (5:30)	72 (16:50)
9	89	95 (7:50)	76 (0:10)	91	97 (7:30)	79 (0:10)	93	100 (6:50)	77 (0:10)	98	100 (5:00)	85 (0:10)
10	73	89 (5:00)	50 (16:20)	78	93 (4:10)	54 (16:20)	79	96 (6:00)	55 (16:20)	87	100 (5:50)	63 (15:30)
11	77	93 (21:20)	39 (12:10)	81	95 (21:20)	41 (12:10)	83	97 (23:10)	42 (12:10)	90	100 (6:30)	54 (12:10)
12	91	95 (16:10)	81 (23:40)	92	96 (5:50)	84 (23:50)	95	100 (9:10)	84 (23:50)	99	100 (2:00)	93 (23:50)
13	85	92 (19:40)	75 (11:00)	88	95 (23:40)	77 (11:10)	89	99 (24:00)	77 (10:50)	95	100 (4:30)	82 (11:00)
14	88	94 (19:20)	71 (15:50)	91	96 (5:00)	73 (15:50)	94	100 (1:40)	76 (15:50)	98	100 (0:10)	83 (15:50)
15	81	93 (7:10)	64 (17:30)	86	97 (6:10)	69 (17:30)	88	100 (8:20)	70 (17:40)	93	100 (2:20)	78 (17:20)
16	89	96 (10:20)	76 (15:30)	92	97 (8:40)	79 (15:30)	95	100 (7:40)	81 (14:50)	97	100 (0:50)	88 (15:30)
17	94	97 (15:40)	90 (24:00)	95	97 (15:50)	91 (19:30)	100	100 (7:00)	97 (0:10)	100	100 (0:10)	100 (0:10)
18	78	93 (23:00)	69 (16:30)	80	93 (23:00)	72 (16:20)	84	100 (0:10)	75 (16:30)	88	100 (0:10)	79 (16:40)
19	79	94 (2:00)	57 (14:50)	81	93 (3:10)	60 (14:10)	85	98 (2:00)	63 (14:20)	89	100 (0:20)	65 (14:20)
20	83	95 (7:10)	64 (13:30)	84	95 (7:00)	68 (13:30)	88	99 (7:10)	72 (13:40)	91	100 (0:50)	75 (13:40)
21	82	95 (3:30)	67 (16:20)	85	96 (7:40)	71 (16:20)	89	100 (2:40)	75 (16:20)	92	100 (1:00)	76 (15:30)
22	77	94 (8:20)	56 (17:00)	82	98 (7:40)	59 (16:00)	84	100 (7:30)	61 (18:10)	88	100 (6:20)	67 (15:40)
23	74	93 (6:40)	49 (15:20)	79	97 (6:40)	53 (15:20)	81	100 (7:10)	55 (15:20)	86	100 (6:20)	63 (15:10)
24	77	92 (5:00)	66 (18:30)	82	95 (5:10)	71 (18:10)	81	97 (5:10)	68 (20:10)	87	100 (5:30)	79 (19:00)
25	84	92 (22:20)	72 (0:10)	88	94 (22:20)	80 (0:10)	86	97 (22:00)	77 (0:20)	92	99 (24:00)	85 (0:10)
26	75	91 (0:10)	58 (15:40)	80	94 (2:20)	61 (15:40)	79	96 (0:10)	62 (14:50)	85	99 (3:40)	67 (15:40)
27	76	93 (24:00)	54 (15:50)	81	96 (24:00)	57 (15:50)	80	98 (24:00)	60 (14:20)	86	99 (22:20)	63 (14:00)
28	79	94 (0:40)	67 (11:10)	86	97 (0:20)	74 (11:10)	87	100 (3:00)	72 (11:20)	92	100 (5:00)	79 (13:40)
29	71	88 (1:00)	55 (18:20)	77	94 (6:50)	59 (18:20)	78	96 (1:30)	61 (18:40)	85	100 (0:20)	66 (14:50)
30	71	88 (7:40)	54 (16:50)	77	92 (6:30)	57 (16:50)	76	90 (6:20)	58 (16:50)	83	99 (7:10)	64 (14:40)
31	75	87 (4:40)	60 (11:40)	80	92 (4:40)	65 (11:40)	79	91 (5:00)	62 (11:40)	84	98 (6:50)	66 (11:40)
월	79	97 (7/17)	39 (7/11)	83	98 (7/22)	41 (7/11)	83	100 (7/ 9)	42 (7/11)	89	100 (7/ 3)	54 (7/11)

표 6. 계속 (Continued: 2009년 8월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	75	95 (7:10)	48 (14:10)	79	98 (7:10)	51 (14:10)	80	100 (7:20)	52 (14:10)	84	100 (6:40)	58 (14:30)
2	75	92 (6:00)	59 (17:00)	80	95 (6:00)	62 (16:50)	79	95 (5:20)	62 (16:50)	84	99 (5:40)	66 (15:50)
3	70	78 (24:00)	63 (14:00)	78	87 (22:20)	70 (14:00)	75	86 (22:30)	67 (13:20)	84	96 (24:00)	73 (13:10)
4	69	91 (4:40)	48 (16:50)	75	97 (5:20)	49 (16:50)	74	97 (6:40)	51 (16:50)	80	100 (6:30)	57 (17:00)
5	63	72 (0:40)	55 (16:50)	69	80 (6:30)	59 (16:40)	65	76 (0:30)	57 (16:50)	73	85 (0:30)	62 (15:30)
6	74	92 (18:40)	60 (0:10)	80	96 (18:40)	67 (0:10)	76	95 (21:20)	61 (0:10)	82	100 (23:10)	70 (0:10)
7	86	97 (22:50)	70 (14:30)	89	98 (22:40)	74 (14:30)	91	100 (22:50)	74 (14:30)	94	100 (4:20)	77 (14:30)
8	82	96 (5:30)	66 (16:20)	85	96 (3:30)	68 (16:10)	88	100 (0:10)	71 (16:10)	91	100 (0:10)	75 (16:10)
9	72	81 (1:40)	63 (15:00)	77	86 (4:40)	67 (15:00)	76	86 (4:40)	67 (15:10)	81	91 (5:00)	70 (15:10)
10	69	79 (7:00)	62 (12:50)	74	85 (7:00)	66 (12:50)	73	84 (7:00)	65 (12:50)	79	91 (7:00)	68 (12:10)
11	84	96 (22:30)	74 (2:20)	88	97 (22:20)	78 (2:20)	89	100 (17:50)	76 (2:20)	93	100 (11:40)	82 (0:50)
12	97	100 (20:00)	92 (3:50)	97	99 (23:40)	93 (0:30)	100	100 (0:10)	99 (1:40)	100	100 (0:10)	100 (0:10)
13	86	98 (0:10)	69 (15:00)	88	99 (0:10)	72 (15:00)	92	100 (0:10)	77 (15:20)	92	100 (0:10)	77 (13:20)
14	77	96 (5:20)	58 (21:40)	81	97 (5:30)	63 (16:10)	85	100 (1:10)	67 (16:00)	88	100 (3:20)	69 (16:00)
15	69	93 (6:50)	43 (17:10)	74	96 (7:00)	44 (17:10)	76	100 (7:00)	49 (17:40)	82	100 (7:20)	58 (17:10)
16	66	86 (0:20)	51 (11:30)	72	91 (1:40)	55 (11:30)	73	95 (2:20)	54 (11:30)	80	97 (2:30)	60 (11:30)
17	70	79 (23:40)	64 (0:30)	76	87 (23:50)	69 (0:50)	74	88 (24:00)	67 (0:50)	81	95 (24:00)	73 (12:00)
18	76	87 (5:00)	65 (13:50)	81	91 (5:50)	68 (14:00)	82	95 (5:30)	68 (13:10)	88	100 (7:20)	69 (13:50)
19	79	97 (7:40)	63 (15:10)	83	98 (7:40)	67 (14:30)	84	100 (5:30)	67 (15:10)	87	100 (3:20)	69 (15:10)
20	85	95 (15:50)	74 (9:50)	89	98 (23:50)	79 (10:00)	90	100 (20:40)	78 (9:50)	93	100 (15:40)	82 (10:00)
21	71	98 (9:10)	43 (17:50)	76	100 (6:30)	46 (17:50)	78	100 (0:10)	47 (18:00)	84	100 (0:10)	58 (15:10)
22	64	89 (3:30)	44 (20:10)	71	95 (4:10)	52 (20:00)	71	95 (4:30)	49 (19:20)	80	100 (7:10)	60 (12:10)
23	57	79 (7:50)	35 (17:20)	64	86 (7:50)	39 (17:20)	62	81 (7:10)	40 (17:20)	72	93 (7:20)	45 (16:00)
24	67	88 (7:30)	49 (14:40)	74	96 (7:10)	51 (15:20)	72	95 (5:20)	50 (15:30)	79	99 (7:20)	55 (14:40)
25	68	80 (23:50)	56 (15:50)	76	88 (24:00)	62 (15:50)	74	88 (23:10)	58 (15:50)	81	94 (7:00)	64 (14:20)
26	73	90 (6:30)	53 (16:30)	80	98 (6:10)	59 (16:30)	78	97 (7:30)	56 (16:30)	83	100 (7:10)	61 (16:30)
27	81	95 (11:30)	67 (4:50)	87	99 (9:30)	75 (4:50)	88	100 (9:30)	71 (4:30)	93	100 (8:00)	80 (4:50)
28	77	98 (8:10)	52 (17:00)	83	100 (4:50)	59 (17:00)	81	100 (1:20)	57 (14:40)	84	100 (1:10)	61 (14:40)
29	70	92 (7:20)	53 (13:40)	79	97 (7:10)	60 (13:40)	74	95 (6:50)	55 (14:30)	81	100 (7:30)	62 (14:30)
30	73	92 (7:40)	63 (24:00)	85	99 (7:40)	75 (13:00)	81	95 (10:10)	68 (0:10)	90	100 (9:30)	77 (0:30)
31	62	70 (7:10)	55 (14:50)	72	85 (5:10)	62 (14:50)	68	85 (7:10)	56 (14:20)	79	98 (7:30)	64 (14:20)
월	74	100 (8/12)	35 (8/23)	79	100 (8/21)	39 (8/23)	79	100 (8/ 1)	40 (8/23)	85	100 (8/ 1)	45 (8/23)

표 6. 계속 (Continued: 2009년 9월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	60	70 (7:40)	51 (12:10)	70	83 (6:30)	58 (13:00)	64	82 (5:50)	51 (12:40)	75	96 (7:20)	58 (12:30)
2	57	69 (23:50)	40 (14:50)	66	82 (23:40)	44 (14:50)	60	78 (23:40)	41 (14:50)	72	90 (6:10)	48 (14:50)
3	63	74 (7:30)	44 (16:20)	71	85 (7:30)	48 (16:20)	67	79 (6:50)	46 (16:20)	79	97 (7:20)	53 (16:20)
4	69	88 (7:30)	55 (14:10)	76	94 (6:40)	60 (14:10)	73	89 (7:00)	57 (14:10)	81	99 (7:30)	62 (14:20)
5	68	84 (6:20)	33 (14:50)	74	91 (7:30)	36 (14:50)	72	90 (6:40)	37 (14:50)	79	97 (7:30)	47 (14:50)
6	71	96 (8:00)	48 (13:00)	76	99 (7:30)	52 (13:00)	75	99 (7:50)	50 (13:00)	80	100 (7:40)	55 (13:10)
7	77	84 (3:20)	65 (0:10)	86	94 (3:40)	75 (0:10)	80	89 (4:10)	70 (0:20)	85	94 (5:00)	75 (13:50)
8	71	90 (7:30)	44 (15:00)	78	97 (6:40)	49 (15:00)	74	93 (6:50)	48 (15:20)	78	98 (7:10)	53 (15:20)
9	65	82 (8:40)	45 (16:00)	74	89 (2:50)	49 (16:00)	69	85 (1:40)	47 (16:00)	77	95 (7:40)	54 (16:00)
10	60	83 (4:40)	37 (15:20)	70	97 (6:20)	42 (15:20)	64	91 (6:50)	37 (15:20)	73	99 (7:40)	43 (15:20)
11	71	88 (24:00)	53 (1:10)	82	97 (24:00)	67 (0:10)	75	88 (24:00)	64 (1:00)	84	96 (7:30)	74 (16:40)
12	75	93 (1:50)	48 (15:30)	84	100 (1:40)	56 (15:20)	77	97 (6:30)	50 (15:10)	83	99 (7:20)	56 (15:10)
13	67	87 (6:30)	47 (15:20)	78	100 (6:50)	53 (14:50)	72	96 (7:40)	49 (14:50)	80	100 (7:40)	54 (14:50)
14	79	89 (5:50)	64 (13:10)	89	99 (24:00)	73 (13:10)	84	96 (21:00)	66 (13:10)	90	98 (7:20)	70 (13:10)
15	77	97 (10:50)	52 (18:50)	87	100 (1:30)	65 (18:50)	83	100 (2:00)	57 (18:50)	87	100 (4:30)	68 (15:00)
16	66	87 (7:30)	41 (15:50)	77	98 (7:20)	46 (15:50)	72	94 (7:40)	42 (15:10)	80	100 (8:00)	50 (15:10)
17	68	91 (5:30)	43 (18:30)	79	100 (5:00)	50 (18:30)	72	93 (5:10)	45 (18:30)	80	100 (8:00)	57 (12:20)
18	68	94 (8:30)	39 (15:50)	77	100 (5:00)	44 (15:30)	71	100 (8:00)	41 (15:50)	77	100 (8:00)	48 (16:00)
19	55	69 (0:10)	43 (13:40)	66	82 (1:40)	49 (13:40)	61	84 (2:10)	43 (13:40)	72	94 (7:40)	49 (13:40)
20	59	73 (23:30)	44 (14:40)	68	86 (23:50)	49 (14:40)	62	81 (23:20)	44 (14:40)	72	95 (7:30)	49 (14:40)
21	80	92 (11:30)	69 (3:30)	89	98 (10:40)	80 (3:20)	85	95 (10:40)	77 (22:50)	91	98 (10:10)	84 (14:40)
22	67	95 (7:50)	45 (21:00)	78	100 (6:30)	57 (21:00)	72	96 (7:20)	52 (20:50)	80	100 (7:10)	62 (13:10)
23	64	80 (7:40)	51 (17:20)	75	92 (7:20)	60 (17:20)	67	86 (7:30)	52 (17:50)	77	94 (8:10)	58 (15:50)
24	64	95 (9:10)	26 (18:40)	73	100 (7:10)	35 (18:50)	67	100 (8:30)	35 (19:00)	76	100 (8:00)	53 (19:10)
25	75	88 (6:50)	52 (16:30)	85	96 (5:20)	64 (16:30)	79	93 (24:00)	60 (16:30)	86	96 (24:00)	71 (14:10)
26	74	96 (5:30)	52 (15:40)	80	100 (1:30)	57 (15:50)	77	100 (3:40)	52 (15:50)	82	100 (5:10)	59 (15:40)
27	79	95 (24:00)	65 (0:10)	86	99 (23:00)	73 (0:10)	83	100 (23:10)	65 (0:20)	91	100 (21:10)	78 (0:20)
28	86	96 (8:50)	68 (15:00)	92	100 (7:40)	74 (15:00)	91	100 (0:10)	69 (14:40)	95	100 (0:10)	77 (15:00)
29	83	99 (8:30)	64 (13:50)	88	100 (2:40)	70 (14:00)	87	100 (2:10)	67 (14:00)	92	100 (3:00)	74 (15:20)
30	74	84 (8:50)	63 (16:00)	82	91 (7:30)	70 (12:40)	80	92 (7:10)	64 (15:50)	88	100 (8:00)	70 (16:30)
월	70	99 (9/29)	26 (9/24)	79	100 (9/12)	35 (9/24)	74	100 (9/15)	35 (9/24)	81	100 (9/ 6)	43 (9/10)

표 6. 계속 (Continued: 2009년 10월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	67	88 (6:20)	46 (13:50)	77	96 (6:20)	51 (14:30)	74	94 (7:40)	47 (14:30)	82	100 (6:50)	52 (14:30)
2	62	84 (4:50)	40 (16:50)	72	95 (6:30)	48 (16:50)	66	92 (5:10)	42 (16:50)	74	99 (8:30)	49 (16:50)
3	49	68 (8:40)	32 (12:10)	62	88 (6:30)	40 (12:10)	54	80 (6:30)	32 (12:10)	67	96 (7:50)	39 (12:10)
4	53	79 (6:30)	33 (11:40)	64	90 (6:30)	43 (11:40)	56	80 (7:10)	32 (11:40)	68	90 (7:40)	41 (11:50)
5	62	90 (6:20)	37 (12:30)	73	99 (8:10)	46 (12:30)	65	92 (7:40)	36 (12:30)	75	99 (8:30)	44 (12:30)
6	62	91 (8:10)	27 (17:30)	72	100 (8:20)	36 (17:30)	65	95 (8:20)	32 (17:20)	75	100 (8:30)	43 (16:30)
7	58	80 (6:40)	48 (15:40)	70	94 (6:50)	56 (15:40)	62	85 (7:00)	46 (15:50)	72	96 (7:50)	56 (11:10)
8	52	62 (8:30)	37 (15:40)	64	79 (4:50)	46 (15:40)	55	70 (7:30)	38 (15:40)	67	86 (7:50)	46 (15:40)
9	53	80 (8:20)	29 (15:20)	65	93 (5:50)	37 (15:20)	56	85 (7:20)	28 (15:40)	68	97 (8:10)	38 (15:20)
10	55	78 (5:50)	30 (17:10)	68	94 (7:10)	40 (17:00)	59	86 (7:00)	31 (16:20)	70	95 (7:50)	42 (16:20)
11	56	81 (7:00)	35 (18:50)	70	96 (7:20)	46 (13:10)	61	85 (7:40)	36 (13:50)	73	97 (8:10)	44 (13:50)
12	59	81 (5:30)	45 (12:40)	72	92 (5:20)	54 (12:40)	63	85 (7:20)	43 (12:20)	73	94 (8:00)	49 (12:40)
13	71	90 (24:00)	47 (15:00)	85	100 (24:00)	56 (14:40)	77	92 (23:00)	46 (14:40)	84	98 (22:30)	53 (14:40)
14	74	93 (8:30)	53 (15:30)	87	100 (2:10)	64 (15:30)	80	100 (8:00)	53 (15:40)	87	100 (8:40)	62 (15:50)
15	64	84 (8:40)	41 (17:20)	77	100 (4:50)	51 (17:30)	71	95 (8:10)	44 (14:20)	79	100 (8:50)	52 (15:10)
16	61	84 (8:50)	37 (19:00)	74	99 (7:10)	49 (14:20)	67	94 (8:10)	40 (19:10)	77	100 (8:50)	47 (14:30)
17	65	91 (5:30)	42 (12:00)	77	100 (3:20)	53 (12:00)	68	94 (8:50)	44 (12:00)	79	100 (8:50)	53 (12:00)
18	53	75 (8:40)	35 (17:30)	68	94 (6:30)	46 (17:30)	58	87 (6:30)	36 (14:20)	71	96 (8:20)	45 (14:40)
19	54	75 (6:20)	38 (13:40)	67	85 (6:20)	49 (13:40)	56	79 (6:30)	36 (15:30)	69	90 (6:20)	46 (13:40)
20	49	65 (4:50)	32 (17:00)	64	80 (4:50)	44 (16:00)	51	72 (23:40)	32 (16:00)	65	87 (24:00)	40 (15:20)
21	51	75 (8:30)	22 (15:20)	64	88 (8:30)	31 (15:20)	54	75 (2:10)	21 (15:20)	68	91 (2:30)	29 (15:20)
22	51	85 (8:00)	20 (17:00)	65	98 (8:10)	33 (16:30)	55	89 (8:10)	23 (12:00)	67	98 (8:30)	31 (14:30)
23	55	86 (24:00)	40 (11:30)	70	94 (24:00)	50 (11:40)	61	86 (23:10)	38 (11:40)	73	93 (24:00)	47 (11:30)
24	61	87 (0:20)	48 (15:00)	74	97 (1:20)	55 (15:00)	67	92 (1:10)	47 (15:00)	78	96 (7:40)	55 (15:00)
25	54	66 (2:30)	42 (18:20)	67	80 (3:10)	52 (15:10)	58	75 (7:10)	41 (14:20)	70	88 (8:00)	49 (14:40)
26	67	88 (9:00)	51 (15:10)	80	99 (7:10)	60 (15:20)	71	92 (7:10)	50 (15:00)	79	98 (8:40)	56 (14:40)
27	74	94 (9:30)	43 (14:10)	89	100 (8:20)	50 (14:40)	75	97 (8:50)	43 (15:20)	81	100 (9:00)	50 (14:20)
28	70	94 (10:00)	40 (13:30)	80	100 (4:40)	44 (21:00)	73	100 (6:30)	39 (13:30)	80	100 (8:50)	46 (13:30)
29	53	81 (8:40)	32 (15:20)	67	92 (8:30)	39 (15:20)	57	81 (7:30)	31 (15:20)	70	93 (8:40)	38 (15:20)
30	57	77 (6:20)	39 (14:40)	69	90 (6:20)	46 (15:30)	61	79 (6:20)	38 (14:40)	71	88 (6:50)	44 (15:00)
31	67	91 (21:20)	45 (13:40)	77	96 (22:40)	52 (13:40)	69	91 (23:30)	42 (13:40)	78	96 (8:20)	52 (14:30)
월	59	94 (10/28)	20 (10/22)	72	100 (10/14)	31 (10/21)	63	100 (10/14)	21 (10/21)	74	100 (10/ 1)	29 (10/21)

표 6. 계속 (Continued: 2009년 11월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	70	91 (1:40)	50 (15:10)	82	99 (1:40)	62 (14:50)	71	92 (6:10)	47 (14:50)	81	98 (8:00)	58 (14:50)
2	46	66 (1:50)	30 (16:10)	64	85 (0:10)	49 (16:10)	44	70 (0:20)	27 (15:50)	59	81 (0:30)	40 (16:10)
3	46	60 (23:50)	37 (3:20)	64	76 (23:50)	54 (13:00)	46	61 (24:00)	33 (11:10)	63	79 (23:40)	45 (13:10)
4	59	62 (8:50)	57 (13:50)	75	85 (2:50)	70 (13:50)	59	68 (8:10)	52 (11:40)	73	84 (2:30)	63 (12:20)
5	58	69 (8:10)	45 (17:20)	71	83 (8:10)	55 (15:30)	59	72 (23:00)	43 (17:40)	70	85 (24:00)	51 (15:30)
6	65	81 (8:10)	33 (15:50)	78	99 (5:30)	41 (15:50)	68	91 (24:00)	31 (16:10)	77	98 (8:10)	39 (15:50)
7	77	94 (6:20)	61 (15:50)	88	100 (4:30)	71 (15:50)	81	100 (6:10)	60 (16:00)	86	100 (8:50)	67 (15:50)
8	85	97 (22:20)	67 (2:00)	95	100 (11:20)	82 (4:20)	90	100 (21:10)	74 (4:20)	96	100 (12:50)	87 (9:50)
9	83	98 (11:20)	61 (16:50)	90	100 (0:10)	72 (16:30)	85	100 (0:10)	58 (15:20)	90	100 (0:10)	71 (16:30)
10	61	68 (2:30)	55 (13:00)	35	90 (22:50)	- (10:30)	60	70 (1:30)	52 (18:00)	71	79 (1:30)	63 (13:00)
11	53	63 (7:20)	44 (15:30)	83	100 (10:40)	18 (7:40)	52	64 (3:40)	42 (12:40)	63	76 (7:10)	49 (13:50)
12	50	59 (24:00)	46 (10:10)	100	100 (0:10)	100 (0:10)	47	59 (23:50)	42 (9:50)	60	69 (24:00)	51 (10:40)
13	81	93 (17:50)	60 (0:10)	84	100 (0:10)	- (21:10)	80	92 (14:40)	58 (0:20)	88	96 (13:30)	70 (0:20)
14	65	90 (0:10)	40 (17:10)	74	100 (2:00)	- (0:10)	62	86 (0:10)	36 (17:20)	72	93 (3:00)	50 (14:50)
15	66	83 (3:50)	45 (14:50)	84	99 (3:50)	62 (14:50)	63	80 (8:30)	38 (16:40)	76	89 (8:40)	54 (14:50)
16	48	63 (0:30)	29 (15:50)	68	83 (0:20)	48 (15:50)	44	64 (0:20)	25 (16:00)	59	81 (0:20)	39 (16:00)
17	35	43 (20:00)	22 (14:30)	55	65 (20:40)	40 (14:30)	32	47 (20:40)	18 (14:30)	47	63 (24:00)	30 (14:30)
18	37	51 (8:10)	26 (10:00)	58	80 (8:10)	46 (10:00)	36	55 (8:10)	23 (10:00)	54	74 (8:30)	36 (10:20)
19	48	58 (14:50)	41 (6:00)	68	75 (24:00)	61 (16:20)	48	55 (23:10)	40 (10:50)	63	74 (24:00)	53 (16:20)
20	47	67 (24:00)	37 (16:20)	67	83 (7:10)	54 (16:10)	47	64 (24:00)	32 (16:40)	62	81 (7:20)	45 (15:00)
21	41	77 (1:30)	12 (15:00)	59	92 (1:30)	30 (15:00)	38	75 (1:10)	9 (15:00)	53	86 (0:50)	20 (15:00)
22	42	62 (7:10)	29 (14:50)	62	84 (7:20)	45 (14:40)	42	61 (7:50)	25 (14:50)	58	78 (8:10)	33 (14:30)
23	52	73 (23:20)	39 (16:00)	69	87 (23:10)	53 (13:40)	52	72 (24:00)	36 (16:20)	65	83 (23:50)	45 (13:40)
24	62	89 (9:50)	35 (15:30)	78	100 (6:00)	47 (15:30)	64	99 (10:10)	33 (15:30)	74	100 (10:30)	42 (14:20)
25	75	92 (24:00)	57 (1:00)	92	100 (23:00)	80 (10:30)	78	91 (24:00)	62 (10:30)	89	97 (24:00)	74 (10:20)
26	88	92 (3:20)	72 (18:40)	93	100 (0:10)	73 (18:10)	94	100 (2:30)	78 (17:10)	91	99 (2:30)	59 (17:10)
27	85	97 (1:50)	72 (14:20)	85	97 (6:30)	69 (14:20)	88	100 (6:30)	71 (16:20)	83	95 (8:50)	65 (14:20)
28	74	84 (4:50)	64 (14:50)	73	84 (6:00)	61 (14:50)	76	89 (6:10)	62 (14:50)	71	85 (1:10)	54 (14:40)
29	93	100 (9:20)	79 (1:40)	93	100 (24:00)	81 (3:00)	97	100 (7:30)	86 (4:20)	89	96 (9:50)	81 (0:10)
30	86	100 (0:10)	64 (16:40)	86	100 (0:10)	64 (16:40)	89	100 (0:10)	64 (13:10)	84	98 (9:30)	62 (13:10)
월	62	100 (11/29)	12 (11/21)	76	100 (11/ 7)	- (11/10)	63	100 (11/ 7)	9 (11/21)	72	100 (11/ 7)	20 (11/21)

표 6. 계속 (Continued: 2009년 12월)

높이	67 m			27 m			10 m			1.5 m		
	일	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
1	79	92 (23:50)	61 (16:00)	80	94 (6:40)	57 (16:00)	84	96 (3:20)	61 (16:00)	79	93 (2:50)	56 (15:50)
2	87	100 (6:40)	63 (15:00)	88	100 (4:40)	61 (15:00)	91	100 (3:50)	63 (14:50)	83	97 (10:00)	57 (14:50)
3	86	100 (8:30)	69 (20:50)	99	100 (0:40)	71 (1:50)	88	100 (7:20)	75 (20:40)	82	96 (9:20)	69 (18:10)
4	83	100 (10:20)	61 (13:50)	100	100 (0:10)	95 (7:40)	86	100 (3:30)	60 (16:10)	79	97 (9:20)	52 (13:50)
5	75	97 (5:10)	51 (15:20)	100	100 (0:10)	100 (0:10)	77	99 (4:00)	53 (15:20)	73	95 (4:00)	51 (15:20)
6	53	73 (2:00)	38 (16:20)	100	100 (0:10)	100 (0:10)	56	79 (1:10)	36 (16:40)	52	77 (1:40)	30 (17:30)
7	58	78 (24:00)	39 (11:10)	100	100 (0:10)	100 (0:10)	63	84 (7:10)	38 (11:20)	58	81 (8:30)	33 (11:10)
8	72	93 (8:00)	44 (15:10)	100	100 (0:10)	100 (0:10)	75	97 (8:10)	44 (15:10)	68	92 (8:50)	38 (15:10)
9	69	86 (24:00)	54 (13:00)	100	100 (0:10)	100 (0:10)	73	97 (23:30)	51 (13:00)	68	93 (23:50)	49 (13:00)
10	94	100 (23:30)	87 (0:10)	100	100 (0:10)	98 (15:00)	97	100 (16:10)	92 (3:20)	94	99 (19:00)	89 (10:50)
11	98	100 (0:50)	86 (22:30)	100	100 (0:10)	100 (0:10)	99	100 (0:10)	90 (23:40)	94	98 (16:40)	85 (23:30)
12	77	92 (5:50)	47 (13:10)	90	100 (0:10)	51 (12:40)	79	94 (6:00)	47 (13:40)	73	91 (4:50)	41 (13:40)
13	64	85 (9:30)	30 (16:50)	100	100 (0:10)	97 (5:10)	68	87 (9:30)	32 (16:50)	64	85 (9:00)	29 (16:30)
14	45	80 (5:30)	20 (15:40)	100	100 (0:10)	100 (0:10)	50	85 (6:30)	18 (15:10)	47	82 (8:40)	15 (16:00)
15	43	57 (18:40)	28 (11:50)	100	100 (0:10)	100 (0:10)	44	59 (22:40)	26 (11:50)	39	56 (22:40)	22 (11:50)
16	53	82 (24:00)	30 (12:00)	100	100 (0:10)	100 (0:10)	53	83 (24:00)	29 (12:00)	46	73 (24:00)	21 (13:20)
17	67	94 (2:40)	46 (11:20)	100	100 (0:10)	100 (0:10)	68	94 (2:50)	44 (11:20)	61	84 (23:40)	38 (11:20)
18	72	93 (0:10)	57 (16:30)	100	100 (0:10)	100 (0:10)	73	92 (0:10)	56 (14:00)	66	83 (0:40)	45 (14:00)
19	82	95 (24:00)	68 (16:50)	100	100 (0:10)	100 (0:10)	82	95 (23:50)	68 (17:50)	74	84 (8:50)	63 (17:30)
20	83	95 (5:10)	61 (22:40)	100	100 (0:10)	100 (0:10)	85	97 (5:10)	62 (22:40)	76	89 (8:40)	59 (22:50)
21	56	72 (24:00)	41 (14:30)	100	100 (0:10)	100 (0:10)	59	75 (23:40)	41 (15:00)	54	73 (9:00)	34 (15:00)
22	69	77 (4:00)	55 (15:00)	99	100 (0:10)	95 (12:40)	73	85 (8:20)	54 (15:00)	69	82 (8:40)	48 (15:00)
23	78	89 (7:50)	61 (16:10)	72	100 (10:30)	48 (23:40)	82	96 (6:30)	59 (15:20)	77	94 (7:50)	54 (15:20)
24	87	100 (7:30)	71 (1:30)	76	100 (7:40)	43 (6:30)	90	100 (6:40)	71 (15:00)	83	97 (9:10)	62 (16:30)
25	90	100 (5:20)	63 (23:40)	69	100 (7:10)	45 (24:00)	92	100 (1:50)	60 (23:40)	84	97 (9:40)	58 (23:50)
26	66	89 (4:40)	45 (15:20)	74	100 (2:10)	38 (11:10)	66	88 (3:30)	44 (15:20)	58	81 (3:50)	37 (15:20)
27	70	96 (22:50)	26 (14:00)	89	100 (0:10)	37 (11:50)	72	96 (22:30)	27 (14:10)	63	83 (21:30)	19 (14:10)
28	64	96 (2:20)	45 (17:00)	80	100 (17:00)	35 (9:10)	69	97 (2:50)	43 (17:20)	64	88 (4:10)	39 (17:30)
29	71	94 (9:00)	50 (14:40)	67	100 (0:10)	37 (10:40)	71	95 (8:50)	45 (14:40)	64	87 (9:10)	41 (14:40)
30	71	89 (10:40)	49 (16:20)	42	68 (23:50)	37 (21:20)	71	91 (10:40)	48 (15:30)	65	84 (3:00)	42 (16:20)
31	67	91 (5:10)	32 (14:10)	41	100 (8:30)	33 (23:00)	68	92 (5:00)	32 (14:10)	61	81 (2:30)	26 (14:10)
월	72	100 (12/ 2)	20 (12/14)	89	100 (12/ 2)	33 (12/31)	74	100 (12/ 2)	18 (12/14)	68	99 (12/10)	15 (12/14)

표 7. 일사, 기압, 강우, 시정의 월간 통계값 (Monthly statistics of solar radiation, pressure, precipitation and visibility: 1월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	8.1	463.7 (12:50)	1015.4	1016.8 (23:30)	1014.0 (0:50)	-	- (:)	- (:)	14.8	- (:)	10.0 (23:50)	-
2	8.5	486.5 (12:40)	1017.2	1018.1 (9:40)	1016.3 (14:50)	-	- (:)	- (:)	13.7	- (:)	4.8 (9:20)	-
3	8.2	447.2 (13:30)	1017.0	1018.4 (9:40)	1015.7 (15:40)	-	- (:)	- (:)	14.2	- (:)	6.7 (9:20)	-
4	6.9	422.7 (12:30)	1015.6	1016.5 (10:30)	1014.5 (14:50)	-	- (:)	- (:)	16.0	- (:)	8.9 (9:40)	-
5	5.7	445.2 (13:00)	1015.8	1016.7 (24:00)	1014.6 (14:30)	-	- (:)	- (:)	11.3	19.9 (16:20)	7.0 (15:00)	-
6	6.5	422.8 (12:00)	1016.7	1017.8 (10:10)	1015.5 (14:30)	-	- (:)	- (:)	6.8	17.9 (16:50)	2.3 (6:30)	-
7	6.7	392.8 (12:50)	1017.0	1017.8 (10:00)	1016.1 (16:00)	-	- (:)	- (:)	6.9	12.5 (20:10)	2.5 (8:10)	-
8	7.1	459.1 (13:20)	1016.4	1017.5 (9:00)	1015.1 (15:10)	-	- (:)	- (:)	10.9	- (:)	4.2 (7:50)	-
9	5.6	299.3 (12:10)	1013.7	1015.4 (0:20)	1011.9 (15:20)	-	- (:)	- (:)	12.2	- (:)	7.1 (15:50)	-
10	7.4	541.1 (12:40)	1013.3	1014.1 (10:20)	1012.5 (15:40)	-	- (:)	- (:)	13.6	- (:)	0.9 (10:20)	0.3
11	8.3	518.9 (13:20)	1013.4	1014.3 (23:10)	1012.1 (14:10)	-	- (:)	- (:)	16.9	- (:)	10.9 (9:40)	-
12	6.3	415.2 (11:10)	1016.0	1017.4 (24:00)	1014.1 (0:40)	-	- (:)	- (:)	11.2	- (:)	1.0 (24:00)	0.3
13	9.4	510.3 (12:20)	1017.4	1018.5 (10:40)	1016.5 (14:50)	-	- (:)	- (:)	18.5	- (:)	1.7 (0:10)	-
14	8.8	526.1 (12:20)	1016.8	1018.6 (23:40)	1015.4 (4:10)	-	- (:)	- (:)	15.1	- (:)	0.8 (3:40)	0.2
15	9.6	527.4 (12:30)	1018.1	1019.4 (10:20)	1017.0 (15:50)	-	- (:)	- (:)	19.4	- (:)	15.2 (10:10)	-
16	4.1	336.4 (11:10)	1016.2	1017.8 (0:10)	1014.9 (16:10)	-	- (:)	- (:)	10.4	- (:)	0.9 (23:40)	0.7
17	5.9	427.7 (12:40)	1014.7	1016.3 (10:10)	1013.0 (23:10)	-	- (:)	- (:)	2.6	7.6 (16:00)	0.1 (7:40)	10.8
18	3.6	338.5 (13:40)	1010.2	1013.0 (0:10)	1007.8 (14:40)	10.4	0.6 (7:50)	2.6 (8:00)	1.8	5.4 (14:40)	0.1 (11:30)	7.5
19	8.4	524.7 (13:10)	1013.4	1014.8 (23:50)	1011.2 (0:10)	-	- (:)	- (:)	10.7	- (:)	1.9 (0:10)	-
20	8.8	591.5 (12:00)	1014.1	1015.2 (9:50)	1012.5 (17:20)	-	- (:)	- (:)	17.5	- (:)	12.2 (9:20)	-
21	4.6	353.9 (14:50)	1012.3	1013.5 (0:20)	1011.1 (14:30)	-	- (:)	- (:)	12.1	18.8 (20:00)	6.1 (11:10)	-
22	8.2	503.3 (13:20)	1009.6	1011.5 (0:10)	1007.8 (15:00)	-	- (:)	- (:)	8.4	13.4 (10:40)	2.8 (23:10)	-
23	6.9	530.0 (12:20)	1013.0	1016.4 (23:30)	1009.9 (0:10)	-	- (:)	- (:)	14.9	20.0 (16:40)	0.5 (5:30)	0.5
24	5.8	611.0 (13:20)	1012.7	1016.3 (0:10)	1010.7 (16:10)	-	- (:)	- (:)	13.7	- (:)	0.7 (15:30)	0.3
25	6.8	566.8 (13:30)	1012.3	1013.3 (10:00)	1011.0 (14:30)	2.0	0.3 (4:30)	1.1 (5:00)	14.3	- (:)	0.1 (3:20)	1.3
26	6.2	496.2 (13:30)	1014.3	1016.8 (24:00)	1012.8 (4:00)	-	- (:)	- (:)	13.5	- (:)	0.8 (14:40)	0.2
27	11.2	580.5 (13:00)	1017.2	1018.6 (10:30)	1016.3 (17:00)	-	- (:)	- (:)	15.4	- (:)	6.1 (8:10)	-
28	11.4	547.5 (13:30)	1016.3	1017.6 (10:10)	1014.8 (16:40)	-	- (:)	- (:)	14.2	- (:)	5.1 (7:10)	-
29	5.4	355.5 (11:40)	1014.0	1015.5 (1:30)	1012.4 (24:00)	-	- (:)	- (:)	12.3	20.0 (14:10)	6.5 (23:50)	-
30	7.7	434.6 (13:10)	1010.8	1012.3 (0:10)	1009.1 (15:50)	-	- (:)	- (:)	13.8	- (:)	6.7 (3:40)	-
31	10.5	606.6 (13:30)	1013.4	1015.9 (24:00)	1011.2 (0:30)	-	- (:)	- (:)	14.7	- (:)	3.9 (8:00)	-
월	228.8	611.0 (1/24)	1014.6	1019.4 (1/15)	1007.8 (1/22)	12.4	0.6 (1/18)	2.6 (1/18)	12.6	- (/)	0.1 (1/25)	22.2

표 7. 계속 (Continued: 2009년 2월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	10.3	516.6 (12:40)	1016.8	1018.1 (10:30)	1015.9 (14:50)	-	- (:)	- (:)	18.4	- (:)	8.6 (24:00)	-
2	4.8	333.5 (13:20)	1014.7	1016.4 (0:20)	1013.0 (19:20)	-	- (:)	- (:)	7.0	12.9 (14:50)	3.7 (5:50)	-
3	7.7	524.3 (13:10)	1012.1	1013.1 (0:10)	1010.9 (15:40)	-	- (:)	- (:)	3.2	7.5 (15:40)	1.0 (8:00)	-
4	9.8	513.1 (12:10)	1012.2	1013.3 (9:10)	1010.8 (16:40)	-	- (:)	- (:)	3.8	9.3 (18:10)	0.5 (6:50)	6.2
5	5.4	365.6 (14:40)	1012.4	1013.9 (24:00)	1011.8 (5:50)	-	- (:)	- (:)	4.1	7.5 (12:30)	2.1 (23:30)	-
6	8.8	505.4 (12:40)	1013.6	1015.0 (11:00)	1012.4 (17:20)	-	- (:)	- (:)	2.0	5.5 (17:20)	0.0 (8:10)	6.2
7	6.7	457.6 (13:00)	1013.0	1014.0 (10:40)	1011.8 (17:20)	-	- (:)	- (:)	1.8	4.5 (14:10)	0.6 (5:10)	8.2
8	11.6	599.8 (12:50)	1013.6	1015.0 (10:20)	1011.8 (16:00)	-	- (:)	- (:)	2.9	7.6 (17:40)	0.8 (7:50)	1.5
9	9.0	507.4 (11:50)	1010.5	1012.9 (0:20)	1008.9 (16:00)	-	- (:)	- (:)	10.7	- (:)	2.7 (0:10)	-
10	4.6	285.6 (11:50)	1009.5	1010.8 (9:30)	1007.6 (21:10)	-	- (:)	- (:)	9.1	20.0 (6:20)	2.8 (23:50)	-
11	8.2	498.0 (14:00)	1007.1	1008.5 (22:50)	1006.2 (15:10)	-	- (:)	- (:)	2.4	3.6 (5:10)	1.0 (24:00)	-
12	5.7	458.6 (11:00)	1006.9	1009.4 (9:10)	1003.3 (24:00)	-	- (:)	- (:)	3.4	8.9 (21:20)	0.1 (7:10)	9.3
13	0.9	51.4 (14:40)	999.9	1003.9 (24:00)	996.7 (15:00)	11.6	1.1 (16:30)	4.3 (17:00)	8.6	19.3 (20:20)	2.7 (15:30)	-
14	10.8	599.9 (13:20)	1007.5	1009.8 (24:00)	1004.0 (0:10)	-	- (:)	- (:)	5.1	12.0 (16:00)	1.0 (24:00)	-
15	4.5	251.4 (14:30)	1012.1	1014.8 (24:00)	1009.8 (0:10)	-	- (:)	- (:)	10.4	- (:)	0.5 (4:00)	6.0
16	14.6	667.4 (12:30)	1017.3	1018.3 (23:50)	1015.1 (0:10)	-	- (:)	- (:)	20.0	- (:)	19.4 (10:40)	-
17	14.9	671.9 (12:40)	1018.1	1019.6 (10:40)	1016.5 (20:30)	-	- (:)	- (:)	19.9	- (:)	18.8 (10:00)	-
18	11.9	566.4 (12:40)	1016.6	1017.7 (0:50)	1015.5 (15:10)	-	- (:)	- (:)	15.1	- (:)	6.7 (24:00)	-
19	3.7	280.1 (10:00)	1012.6	1016.3 (0:20)	1008.0 (24:00)	3.2	0.2 (23:00)	0.6 (20:00)	4.9	8.6 (14:30)	0.4 (21:00)	5.8
20	8.0	558.4 (11:50)	1009.8	1013.7 (23:40)	1007.5 (6:20)	1.2	0.1 (1:00)	0.5 (1:00)	6.8	19.0 (19:30)	0.3 (1:50)	3.0
21	15.3	690.8 (12:30)	1012.5	1014.5 (7:50)	1010.3 (21:10)	-	- (:)	- (:)	16.3	- (:)	7.3 (9:00)	-
22	2.9	220.0 (13:20)	1009.2	1010.9 (1:20)	1006.9 (17:30)	-	- (:)	- (:)	11.3	17.2 (0:20)	5.0 (24:00)	-
23	12.3	617.1 (13:00)	1010.1	1010.9 (11:00)	1008.4 (0:10)	-	- (:)	- (:)	10.8	- (:)	2.9 (7:30)	-
24	6.4	515.2 (12:00)	1009.5	1010.7 (4:20)	1007.8 (23:20)	0.6	0.4 (24:00)	0.6 (24:00)	11.5	17.9 (16:40)	1.6 (24:00)	-
25	9.6	527.2 (12:40)	1010.9	1013.9 (23:30)	1008.4 (0:30)	4.9	0.6 (1:30)	2.1 (1:00)	8.2	16.9 (22:20)	1.0 (1:50)	0.2
26	12.3	690.4 (13:00)	1013.7	1015.0 (9:30)	1012.3 (15:20)	-	- (:)	- (:)	16.7	20.0 (4:40)	12.7 (19:30)	-
27	12.2	596.3 (12:30)	1012.6	1013.7 (23:40)	1011.5 (16:10)	-	- (:)	- (:)	16.7	- (:)	11.1 (9:40)	-
28	14.0	673.7 (13:00)	1014.1	1015.5 (22:50)	1013.0 (16:30)	-	- (:)	- (:)	14.5	- (:)	7.6 (9:40)	-
월	246.9	690.8 (2/21)	1011.7	1019.6 (2/17)	996.7 (2/13)	21.5	1.1 (2/13)	4.3 (2/13)	9.5	- (/)	0.0 (2/ 6)	46.3

표 7. 계속 (Continued: 2009년 3월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	16.4	723.3 (13:20)	1015.9	1017.2 (9:00)	1014.6 (16:40)	-	- (:)	- (:)	15.6	- (:)	7.7 (19:20)	-
2	13.0	648.4 (13:10)	1015.9	1017.8 (9:30)	1014.2 (20:20)	-	- (:)	- (:)	19.2	- (:)	11.9 (8:40)	-
3	3.2	269.7 (13:30)	1012.6	1014.2 (0:10)	1011.6 (15:10)	10.4	0.4 (10:30)	1.8 (11:00)	3.2	15.3 (0:20)	0.3 (7:40)	6.0
4	14.3	760.0 (13:20)	1012.4	1013.0 (21:00)	1011.3 (14:50)	-	- (:)	- (:)	4.9	9.4 (12:10)	1.2 (4:50)	-
5	5.0	370.5 (12:10)	1009.9	1012.8 (1:00)	1007.3 (18:10)	5.2	0.3 (16:20)	1.4 (16:00)	3.4	10.8 (13:30)	0.8 (21:30)	0.8
6	15.0	795.8 (12:50)	1010.6	1014.7 (24:00)	1008.3 (0:10)	-	- (:)	- (:)	12.1	- (:)	0.6 (4:00)	0.7
7	15.6	746.7 (11:50)	1014.3	1015.8 (10:40)	1012.5 (17:50)	-	- (:)	- (:)	19.3	- (:)	12.7 (7:10)	-
8	14.1	678.8 (13:10)	1012.1	1013.8 (1:00)	1010.3 (17:10)	-	- (:)	- (:)	16.4	- (:)	6.8 (7:30)	-
9	14.9	728.5 (13:20)	1011.3	1012.4 (2:30)	1009.6 (15:10)	-	- (:)	- (:)	13.9	- (:)	2.2 (23:40)	-
10	17.4	789.2 (13:00)	1013.1	1014.2 (9:30)	1012.2 (15:20)	-	- (:)	- (:)	15.4	- (:)	1.5 (5:10)	-
11	13.9	646.2 (13:10)	1015.2	1016.6 (23:00)	1013.8 (0:30)	-	- (:)	- (:)	18.5	- (:)	11.8 (23:00)	-
12	12.9	689.0 (12:20)	1014.5	1016.9 (7:10)	1012.0 (24:00)	1.5	0.2 (23:10)	0.7 (24:00)	15.9	- (:)	8.6 (23:10)	-
13	3.3	161.3 (17:20)	1007.5	1011.9 (0:10)	1004.9 (10:00)	14.9	1.0 (4:40)	3.6 (5:00)	10.3	- (:)	2.3 (7:50)	-
14	18.2	801.6 (13:20)	1011.8	1013.0 (22:10)	1010.8 (0:40)	-	- (:)	- (:)	18.7	- (:)	15.0 (5:30)	-
15	15.7	745.3 (12:20)	1010.3	1013.1 (1:20)	1007.5 (20:00)	-	- (:)	- (:)	16.2	- (:)	11.2 (14:50)	-
16	13.4	589.0 (13:40)	1007.5	1008.9 (23:50)	1006.3 (16:00)	-	- (:)	- (:)	6.4	12.6 (0:10)	1.3 (24:00)	-
17	17.0	741.8 (12:50)	1007.5	1009.3 (7:50)	1005.8 (16:50)	-	- (:)	- (:)	5.1	11.5 (24:00)	0.0 (7:10)	8.3
18	7.8	524.3 (13:20)	1006.7	1007.4 (22:30)	1006.0 (16:40)	-	- (:)	- (:)	19.3	- (:)	11.3 (0:10)	-
19	10.4	620.1 (13:10)	1005.7	1006.9 (0:10)	1003.9 (17:30)	-	- (:)	- (:)	15.4	- (:)	2.8 (24:00)	-
20	18.5	813.6 (12:40)	1009.4	1011.2 (10:30)	1006.9 (0:10)	-	- (:)	- (:)	14.6	- (:)	2.1 (0:20)	-
21	16.3	792.1 (12:30)	1006.0	1010.7 (1:40)	998.6 (24:00)	13.1	1.4 (23:00)	4.7 (23:00)	9.7	19.8 (14:10)	0.8 (23:50)	0.8
22	11.1	867.9 (13:00)	1001.5	1008.1 (24:00)	997.5 (3:10)	9.5	1.3 (0:30)	5.4 (1:00)	9.0	- (:)	0.7 (0:30)	0.5
23	17.9	815.0 (12:30)	1010.4	1011.8 (24:00)	1008.1 (0:20)	-	- (:)	- (:)	15.2	- (:)	6.3 (7:10)	-
24	15.1	733.9 (12:20)	1011.5	1012.6 (8:20)	1009.7 (16:50)	0.3	0.1 (22:50)	0.2 (23:00)	17.8	- (:)	0.9 (22:10)	0.2
25	21.1	852.2 (12:50)	1010.8	1011.8 (9:40)	1009.6 (16:40)	-	- (:)	- (:)	15.9	- (:)	3.6 (0:10)	-
26	11.1	699.6 (10:30)	1010.9	1013.6 (23:50)	1009.9 (16:20)	-	- (:)	- (:)	15.5	- (:)	5.3 (15:40)	-
27	21.1	864.8 (13:00)	1014.1	1015.3 (9:50)	1013.4 (15:30)	-	- (:)	- (:)	19.6	- (:)	16.5 (9:50)	-
28	21.1	849.3 (13:00)	1013.2	1014.5 (2:00)	1011.3 (16:40)	-	- (:)	- (:)	19.2	- (:)	14.8 (19:10)	-
29	18.5	789.6 (12:30)	1013.7	1015.3 (22:50)	1012.4 (16:40)	-	- (:)	- (:)	17.7	- (:)	12.2 (9:00)	-
30	13.9	754.0 (11:10)	1014.7	1015.8 (7:40)	1013.2 (15:30)	0.8	0.3 (24:00)	0.7 (24:00)	15.0	- (:)	1.7 (24:00)	-
31	11.7	846.1 (11:30)	1013.7	1014.6 (8:20)	1012.3 (15:20)	4.9	0.4 (0:10)	1.9 (2:00)	8.0	19.4 (12:20)	0.6 (6:30)	1.3
월	438.7	867.9 (3/22)	1011.1	1017.8 (3/ 2)	997.5 (3/22)	60.6	1.4 (3/21)	5.4 (3/22)	13.8	- (/)	0.0 (3/17)	18.7

표 7. 계속 (Continued: 2009년 4월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	12.6	796.6 (13:20)	1013.6	1015.1 (23:30)	1012.6 (15:10)	-	- (:)	- (:)	7.3	12.4 (17:10)	4.0 (5:40)	-
2	21.0	862.1 (12:40)	1015.1	1016.4 (9:00)	1013.3 (16:20)	-	- (:)	- (:)	9.0	14.2 (15:30)	1.8 (6:30)	-
3	13.3	843.3 (12:50)	1013.2	1015.3 (0:10)	1011.4 (15:10)	-	- (:)	- (:)	13.7	19.6 (17:30)	7.3 (8:40)	-
4	12.6	690.0 (11:50)	1011.5	1012.4 (7:40)	1010.1 (19:40)	-	- (:)	- (:)	12.1	- (:)	4.5 (24:00)	-
5	17.7	790.3 (12:50)	1009.9	1011.3 (8:40)	1008.3 (16:30)	-	- (:)	- (:)	5.5	16.6 (18:10)	1.5 (6:20)	-
6	20.1	815.3 (13:30)	1008.3	1009.5 (0:20)	1006.5 (16:40)	-	- (:)	- (:)	5.8	15.8 (18:30)	0.7 (5:50)	1.7
7	20.6	865.4 (12:50)	1009.2	1010.5 (22:50)	1008.2 (17:00)	-	- (:)	- (:)	6.3	12.8 (17:40)	3.0 (1:40)	-
8	20.0	793.3 (13:10)	1011.1	1012.3 (24:00)	1009.7 (16:40)	-	- (:)	- (:)	7.5	14.4 (11:50)	3.3 (6:30)	-
9	20.5	817.4 (12:20)	1012.2	1013.4 (9:10)	1010.5 (17:50)	-	- (:)	- (:)	6.4	12.7 (16:10)	0.7 (7:00)	0.2
10	20.3	814.5 (12:20)	1012.0	1013.3 (9:20)	1010.6 (16:20)	-	- (:)	- (:)	7.2	17.0 (21:10)	2.0 (7:40)	-
11	21.1	850.7 (12:30)	1010.5	1012.1 (7:40)	1008.1 (17:20)	-	- (:)	- (:)	8.3	11.5 (1:40)	4.8 (8:40)	-
12	20.0	895.9 (12:40)	1008.6	1010.1 (0:50)	1006.7 (17:00)	-	- (:)	- (:)	6.9	11.6 (15:20)	2.7 (7:30)	-
13	14.1	704.1 (11:40)	1005.1	1007.7 (0:10)	1003.0 (16:50)	-	- (:)	- (:)	9.2	13.8 (15:00)	5.6 (8:20)	-
14	14.0	829.1 (13:00)	1003.4	1004.5 (24:00)	1002.8 (1:50)	-	- (:)	- (:)	9.4	18.5 (13:10)	2.1 (7:10)	-
15	7.2	440.1 (10:50)	1004.8	1006.5 (23:20)	1004.0 (18:20)	5.5	1.3 (15:00)	2.7 (15:00)	3.7	10.6 (16:00)	1.3 (15:00)	-
16	10.9	659.6 (15:00)	1006.4	1007.6 (24:00)	1005.0 (16:40)	-	- (:)	- (:)	7.4	14.0 (12:40)	1.0 (4:40)	-
17	23.5	931.6 (12:20)	1008.3	1009.5 (8:50)	1006.8 (17:00)	-	- (:)	- (:)	12.0	- (:)	0.8 (6:30)	0.8
18	22.6	910.1 (12:40)	1009.1	1009.9 (7:50)	1008.2 (16:50)	-	- (:)	- (:)	17.6	- (:)	10.0 (8:40)	-
19	20.0	832.6 (11:00)	1007.6	1009.9 (0:20)	1005.4 (17:10)	-	- (:)	- (:)	15.2	19.8 (0:50)	11.8 (22:00)	-
20	3.4	213.1 (11:20)	1000.7	1005.9 (0:10)	995.9 (18:00)	21.9	1.2 (16:10)	3.5 (15:00)	7.7	20.0 (22:10)	1.8 (15:00)	-
21	6.2	605.3 (10:10)	1002.0	1005.6 (24:00)	997.8 (0:10)	0.6	0.1 (3:20)	0.2 (1:00)	14.6	- (:)	4.9 (0:30)	-
22	24.1	947.8 (12:50)	1007.3	1010.2 (24:00)	1005.6 (0:10)	-	- (:)	- (:)	16.4	- (:)	7.7 (5:30)	-
23	21.7	918.7 (12:00)	1010.7	1012.4 (7:50)	1009.1 (18:50)	-	- (:)	- (:)	11.1	19.8 (24:00)	1.4 (6:20)	-
24	7.4	425.9 (11:30)	1009.0	1011.3 (7:20)	1006.0 (24:00)	4.5	0.4 (22:20)	1.5 (23:00)	15.2	19.8 (5:30)	0.6 (23:50)	1.2
25	7.0	1066.1 (11:30)	1004.6	1005.9 (0:10)	1003.9 (6:50)	1.9	0.2 (1:10)	0.8 (1:00)	8.0	16.0 (17:10)	0.6 (0:50)	2.5
26	15.5	920.5 (11:20)	1006.4	1007.8 (23:40)	1005.4 (0:10)	0.1	0.1 (0:50)	0.1 (1:00)	14.2	- (:)	4.2 (0:50)	-
27	16.9	927.9 (12:10)	1008.0	1009.7 (24:00)	1006.7 (16:00)	-	- (:)	- (:)	9.8	15.2 (18:10)	1.7 (4:30)	-
28	20.8	902.8 (12:20)	1011.2	1013.4 (23:30)	1009.7 (0:10)	-	- (:)	- (:)	10.1	18.0 (15:30)	1.3 (6:20)	-
29	23.2	916.8 (12:30)	1013.5	1014.9 (8:20)	1012.0 (17:40)	-	- (:)	- (:)	11.4	16.5 (23:50)	4.8 (5:50)	-
30	19.8	883.7 (13:50)	1013.7	1014.8 (8:20)	1012.2 (15:50)	-	- (:)	- (:)	14.2	18.0 (19:20)	10.0 (8:20)	-
월	498.2	1066.1 (4/25)	1008.9	1016.4 (4/ 2)	995.9 (4/20)	34.5	1.3 (4/15)	3.5 (4/20)	10.1	- (/)	0.6 (4/25)	6.3

표 7. 계속 (Continued: 2009년 5월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	21.6	847.7 (12:50)	1013.5	1014.9 (6:50)	1011.9 (15:20)	-	- (:)	- (:)	14.1	17.5 (0:40)	8.8 (24:00)	-
2	12.4	862.8 (11:10)	1011.2	1013.0 (0:10)	1009.9 (15:50)	8.8	2.3 (22:10)	4.9 (23:00)	9.4	19.4 (16:00)	1.5 (21:30)	-
3	21.0	1060.3 (13:20)	1010.8	1011.8 (7:40)	1009.4 (17:00)	1.9	0.6 (3:40)	0.9 (4:00)	9.9	18.4 (15:20)	0.9 (2:40)	0.3
4	23.8	916.0 (12:30)	1010.0	1011.3 (8:00)	1008.1 (17:00)	-	- (:)	- (:)	9.3	15.7 (18:30)	1.4 (2:40)	-
5	20.8	887.4 (12:40)	1009.2	1010.7 (9:30)	1007.4 (16:40)	-	- (:)	- (:)	5.7	11.0 (0:10)	1.2 (6:10)	-
6	22.6	898.6 (12:20)	1008.2	1009.6 (8:30)	1006.6 (16:40)	-	- (:)	- (:)	8.2	13.9 (21:40)	2.3 (5:00)	-
7	23.8	928.1 (12:00)	1006.0	1007.4 (8:00)	1004.3 (18:10)	-	- (:)	- (:)	11.0	13.0 (1:20)	6.4 (6:00)	-
8	21.1	826.1 (12:20)	1005.8	1006.8 (9:00)	1004.8 (16:50)	-	- (:)	- (:)	9.6	12.3 (14:10)	5.7 (6:20)	-
9	21.4	914.6 (11:50)	1006.1	1007.0 (23:20)	1005.2 (16:20)	-	- (:)	- (:)	12.4	19.4 (19:50)	5.8 (6:10)	-
10	23.8	964.8 (12:10)	1006.9	1007.9 (8:10)	1005.3 (17:10)	-	- (:)	- (:)	14.9	18.5 (11:50)	9.1 (6:00)	-
11	21.3	978.7 (12:50)	1006.2	1007.4 (6:50)	1004.5 (16:50)	0.5	0.3 (24:00)	0.5 (24:00)	11.3	17.7 (11:00)	2.1 (24:00)	-
12	4.4	356.5 (14:10)	1004.9	1006.4 (23:40)	1004.1 (7:50)	17.7	1.7 (1:10)	5.3 (2:00)	3.5	12.6 (10:20)	0.5 (6:00)	5.5
13	24.5	982.5 (12:10)	1007.7	1008.6 (9:50)	1006.4 (0:10)	-	- (:)	- (:)	11.8	17.9 (22:20)	0.8 (0:10)	0.3
14	22.4	938.5 (12:10)	1008.6	1009.7 (23:00)	1007.6 (16:00)	-	- (:)	- (:)	13.1	16.2 (0:10)	7.9 (23:10)	-
15	7.9	458.3 (9:20)	1010.4	1011.3 (8:40)	1009.6 (0:10)	1.9	0.1 (17:40)	0.4 (18:00)	6.8	12.5 (13:30)	0.5 (21:00)	3.3
16	1.8	80.1 (12:10)	1006.3	1010.3 (0:10)	1002.3 (23:40)	51.7	1.7 (13:20)	6.6 (13:00)	2.2	5.8 (0:10)	0.6 (23:00)	0.8
17	5.3	402.2 (15:30)	1003.7	1007.4 (24:00)	1001.4 (3:00)	4.1	0.7 (1:10)	2.0 (1:00)	7.2	15.7 (9:00)	0.4 (1:30)	0.3
18	24.7	955.7 (12:30)	1006.8	1007.8 (6:50)	1005.6 (18:20)	0.1	0.1 (6:50)	0.1 (7:00)	9.9	15.7 (20:40)	1.1 (5:40)	-
19	22.8	881.5 (12:10)	1006.7	1008.0 (24:00)	1005.5 (16:20)	-	- (:)	- (:)	9.1	14.5 (1:00)	3.4 (23:40)	-
20	4.2	519.5 (9:50)	1008.0	1008.7 (8:00)	1006.7 (19:40)	0.3	0.1 (23:30)	0.3 (24:00)	4.7	12.3 (18:50)	0.5 (5:10)	3.5
21	3.2	204.3 (12:00)	1003.5	1008.5 (0:10)	1001.2 (18:10)	39.1	3.2 (6:40)	11.0 (7:00)	4.6	16.1 (12:10)	0.7 (23:00)	0.3
22	21.4	930.8 (12:10)	1005.6	1006.8 (23:30)	1003.0 (0:10)	0.1	0.1 (1:10)	0.1 (2:00)	10.4	18.2 (9:40)	1.5 (0:10)	-
23	10.3	948.6 (13:30)	1005.5	1006.8 (0:10)	1004.1 (17:50)	0.4	0.1 (3:10)	0.1 (4:00)	6.2	13.4 (16:00)	0.7 (6:10)	1.8
24	17.3	1013.5 (12:30)	1006.9	1008.9 (23:30)	1005.6 (2:00)	-	- (:)	- (:)	5.3	9.8 (15:30)	1.2 (4:40)	-
25	22.6	897.7 (12:00)	1009.1	1010.5 (7:50)	1007.9 (17:50)	-	- (:)	- (:)	5.5	12.1 (14:20)	0.1 (7:10)	5.0
26	19.8	866.9 (12:40)	1008.4	1009.5 (6:30)	1006.8 (17:30)	-	- (:)	- (:)	10.4	18.5 (19:50)	4.3 (6:50)	-
27	20.6	940.9 (12:50)	1007.9	1008.9 (8:00)	1006.5 (16:40)	-	- (:)	- (:)	12.5	18.1 (0:10)	6.5 (6:00)	-
28	23.7	897.3 (12:40)	1008.2	1009.6 (6:50)	1006.6 (17:20)	-	- (:)	- (:)	13.6	17.4 (17:40)	8.3 (7:30)	-
29	22.6	859.8 (13:00)	1006.6	1008.4 (5:10)	1004.8 (23:50)	-	- (:)	- (:)	12.2	16.3 (0:10)	10.0 (24:00)	-
30	18.3	918.2 (12:30)	1003.8	1004.8 (7:10)	1002.3 (17:40)	-	- (:)	- (:)	8.9	17.7 (23:30)	4.1 (18:10)	-
31	25.0	961.4 (12:30)	1002.9	1004.1 (6:50)	1001.2 (17:10)	-	- (:)	- (:)	13.2	18.1 (0:50)	5.7 (24:00)	-
월	556.6	1060.3 (5/ 3)	1007.3	1014.9 (5/ 1)	1001.2 (5/31)	126.6	3.2 (5/21)	11.0 (5/21)	9.3	19.4 (5/ 2)	0.1 (5/25)	21.3

표 7. 계속 (Continued: 2009년 6월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	24.4	926.7 (12:30)	1002.5	1003.8 (7:20)	1000.8 (17:10)	-	- (:)	- (:)	5.1	12.8 (10:20)	1.1 (5:30)	-
2	14.5	699.6 (11:20)	1001.8	1002.9 (5:30)	1000.0 (16:30)	1.3	0.8 (18:20)	0.8 (19:00)	5.7	9.5 (10:10)	2.2 (18:40)	-
3	5.4	330.0 (8:20)	1001.1	1002.1 (23:10)	1000.2 (15:30)	11.1	2.7 (9:50)	6.4 (10:00)	3.9	7.6 (8:40)	0.4 (24:00)	4.5
4	20.1	984.9 (11:50)	1001.8	1002.8 (8:20)	1000.9 (17:40)	-	- (:)	- (:)	5.7	13.0 (16:50)	0.3 (0:20)	5.3
5	24.7	941.2 (13:00)	1001.5	1002.3 (6:50)	1000.1 (18:00)	-	- (:)	- (:)	6.2	12.1 (23:10)	0.8 (5:10)	0.8
6	23.7	916.8 (12:40)	1003.2	1004.9 (24:00)	1002.1 (15:50)	0.3	0.2 (20:10)	0.3 (21:00)	10.3	14.8 (13:30)	3.1 (23:50)	-
7	10.8	563.6 (11:50)	1006.2	1007.4 (24:00)	1004.9 (1:10)	-	- (:)	- (:)	5.2	10.3 (17:00)	2.6 (0:10)	-
8	17.0	723.8 (10:20)	1008.0	1008.9 (8:30)	1007.1 (0:40)	-	- (:)	- (:)	5.2	9.5 (12:10)	0.6 (5:10)	3.0
9	11.1	859.7 (14:40)	1005.7	1007.7 (5:00)	1002.1 (24:00)	4.3	0.6 (22:00)	1.3 (23:00)	5.6	14.7 (19:40)	0.6 (5:40)	2.0
10	11.4	761.2 (11:00)	999.7	1002.0 (0:10)	998.9 (16:20)	12.7	1.3 (0:30)	4.1 (1:00)	4.8	12.7 (14:20)	0.6 (6:30)	1.8
11	25.5	989.6 (12:20)	1000.6	1001.4 (9:20)	999.6 (24:00)	0.1	0.1 (3:20)	0.1 (4:00)	12.9	18.4 (14:50)	1.2 (0:40)	-
12	23.7	1000.3 (12:10)	1000.4	1001.5 (23:20)	999.3 (14:40)	-	- (:)	- (:)	14.3	19.3 (21:30)	8.3 (9:10)	-
13	24.3	1011.5 (12:40)	1002.5	1003.9 (23:50)	1001.6 (0:10)	-	- (:)	- (:)	14.2	18.9 (0:20)	8.5 (19:40)	-
14	18.6	1069.3 (12:50)	1004.7	1005.9 (23:30)	1003.9 (0:10)	0.3	0.1 (21:40)	0.3 (22:00)	7.1	13.3 (13:30)	0.9 (23:40)	0.2
15	18.9	985.9 (12:30)	1006.6	1007.6 (23:30)	1005.5 (17:50)	0.1	0.1 (6:10)	0.1 (7:00)	6.8	12.9 (18:30)	0.6 (3:00)	6.7
16	23.9	909.5 (12:20)	1007.6	1008.5 (8:30)	1006.4 (16:40)	-	- (:)	- (:)	10.1	16.7 (13:00)	1.4 (5:00)	-
17	18.4	801.8 (11:00)	1007.4	1008.3 (3:40)	1006.4 (15:40)	-	- (:)	- (:)	8.7	13.0 (13:40)	2.8 (2:30)	-
18	23.5	917.5 (12:30)	1006.2	1007.7 (6:10)	1004.5 (17:00)	-	- (:)	- (:)	8.6	15.5 (14:00)	1.7 (5:30)	-
19	22.2	991.8 (12:50)	1004.6	1006.2 (5:50)	1002.8 (17:00)	-	- (:)	- (:)	8.9	11.6 (13:20)	6.4 (6:40)	-
20	4.4	229.9 (11:00)	1001.9	1004.1 (0:50)	1000.3 (18:10)	24.4	2.2 (14:20)	10.3 (15:00)	7.7	15.5 (10:10)	0.3 (23:40)	2.2
21	17.6	1047.6 (13:10)	1000.6	1001.4 (8:30)	999.3 (15:30)	0.8	0.2 (0:10)	0.5 (1:00)	9.2	16.4 (13:20)	0.6 (0:10)	0.2
22	15.6	1020.8 (12:30)	999.3	1001.3 (23:30)	997.8 (15:20)	0.1	0.1 (14:00)	0.1 (14:00)	10.0	15.5 (13:10)	4.0 (22:20)	-
23	25.3	983.5 (13:10)	1001.5	1002.4 (23:40)	1000.5 (16:20)	-	- (:)	- (:)	9.4	17.3 (21:10)	1.3 (5:10)	-
24	25.4	962.1 (12:40)	1003.1	1004.4 (22:50)	1002.3 (0:10)	-	- (:)	- (:)	10.7	18.4 (18:30)	1.3 (5:50)	-
25	22.3	1009.4 (14:30)	1004.5	1005.5 (8:40)	1003.4 (15:20)	-	- (:)	- (:)	12.6	19.8 (17:40)	2.0 (5:40)	-
26	23.8	915.1 (12:20)	1005.8	1006.7 (8:50)	1004.8 (17:50)	-	- (:)	- (:)	10.1	16.7 (16:20)	2.5 (5:10)	-
27	22.8	932.1 (13:10)	1004.2	1005.8 (8:40)	1002.6 (16:30)	-	- (:)	- (:)	8.8	18.4 (16:10)	3.1 (4:40)	-
28	18.6	987.1 (13:30)	1002.5	1003.8 (6:20)	1001.3 (19:20)	-	- (:)	- (:)	14.1	18.6 (13:50)	7.3 (24:00)	-
29	9.6	1011.3 (12:40)	1001.0	1002.4 (23:20)	1000.2 (13:40)	29.8	5.7 (5:30)	14.0 (6:00)	6.6	14.7 (17:50)	0.4 (5:30)	4.2
30	6.0	295.0 (13:10)	1002.4	1002.9 (9:00)	1001.5 (18:10)	1.4	0.2 (17:50)	0.6 (18:00)	5.3	9.8 (11:30)	1.9 (3:30)	-
월	553.6	1069.3 (6/14)	1003.4	1008.9 (6/ 8)	997.8 (6/22)	86.7	5.7 (6/29)	14.0 (6/29)	8.4	19.8 (6/25)	0.3 (6/20)	30.8

표 7. 계속 (Continued: 2009년 7월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	20.1	997.7 (13:10)	1002.3	1003.1 (23:50)	1001.5 (17:40)	-	- (:)	- (:)	10.2	17.5 (19:00)	3.1 (5:40)	-
2	16.8	932.9 (12:20)	1002.2	1003.0 (0:30)	1001.2 (15:00)	0.8	0.2 (15:30)	0.3 (16:00)	6.6	14.0 (14:20)	1.1 (23:20)	-
3	20.3	1002.0 (13:10)	1002.5	1003.7 (22:30)	1001.4 (15:40)	0.1	0.1 (6:10)	0.1 (7:00)	5.8	14.6 (16:40)	0.4 (4:10)	6.8
4	15.6	890.1 (11:30)	1004.8	1007.0 (23:30)	1003.5 (0:10)	-	- (:)	- (:)	4.7	8.5 (14:50)	0.9 (5:40)	0.8
5	20.2	959.9 (11:50)	1007.2	1008.0 (9:10)	1006.5 (17:40)	-	- (:)	- (:)	6.7	13.3 (17:40)	1.1 (3:40)	-
6	18.1	838.5 (10:40)	1007.0	1008.0 (7:00)	1005.4 (18:20)	-	- (:)	- (:)	5.1	9.8 (19:40)	0.8 (4:50)	1.2
7	5.9	619.6 (14:20)	1004.2	1006.7 (0:10)	1002.6 (16:50)	39.0	4.5 (7:40)	19.1 (8:00)	6.7	19.9 (15:20)	0.2 (6:10)	3.8
8	16.9	909.1 (10:40)	1003.4	1004.4 (6:00)	1002.0 (17:10)	-	- (:)	- (:)	10.5	19.3 (10:00)	1.9 (0:30)	-
9	2.4	207.8 (9:50)	999.8	1002.8 (0:30)	996.4 (15:50)	76.4	6.6 (16:30)	18.2 (17:00)	6.4	- (:)	0.4 (4:20)	1.8
10	19.0	940.4 (13:30)	1003.8	1005.7 (23:50)	1002.0 (0:40)	0.1	0.1 (4:20)	0.1 (5:00)	6.7	15.4 (17:40)	1.6 (5:20)	-
11	13.1	944.7 (11:10)	1005.7	1006.5 (8:40)	1004.9 (18:20)	4.0	0.6 (23:00)	1.6 (24:00)	5.8	19.8 (12:20)	0.5 (22:30)	6.2
12	2.4	121.7 (10:50)	1002.7	1005.0 (0:10)	1000.9 (14:50)	67.2	8.9 (12:30)	16.5 (16:00)	5.7	14.8 (9:50)	0.8 (1:40)	0.3
13	9.1	756.2 (10:10)	1006.4	1007.5 (19:40)	1004.9 (0:10)	11.7	3.9 (21:30)	6.2 (22:00)	6.3	11.1 (14:10)	0.8 (21:40)	0.3
14	4.2	431.2 (15:30)	1003.2	1006.3 (0:10)	1000.8 (22:50)	55.7	6.3 (23:00)	17.0 (24:00)	7.7	- (:)	0.9 (23:10)	0.2
15	11.4	631.6 (12:50)	1004.0	1005.8 (22:10)	1001.6 (0:10)	5.9	0.8 (2:10)	2.9 (1:00)	4.1	10.5 (17:40)	0.5 (7:30)	2.0
16	9.0	552.1 (11:50)	1004.0	1005.5 (0:50)	1003.1 (18:10)	8.2	2.1 (6:10)	4.2 (7:00)	9.5	- (:)	0.4 (6:30)	5.5
17	3.4	264.4 (11:50)	1003.7	1004.1 (10:20)	1003.2 (3:20)	13.9	3.1 (14:40)	8.5 (15:00)	4.4	14.5 (19:20)	0.4 (15:10)	2.7
18	6.4	342.4 (12:10)	1002.3	1003.7 (0:50)	1001.0 (20:40)	7.8	1.3 (20:30)	2.2 (23:00)	16.4	- (:)	2.5 (0:10)	-
19	19.7	962.6 (13:50)	1002.9	1004.3 (22:00)	1001.2 (0:30)	8.2	1.8 (0:30)	5.8 (1:00)	10.4	19.9 (3:50)	1.4 (22:30)	-
20	14.6	907.3 (11:20)	1002.8	1003.9 (0:10)	1001.4 (24:00)	0.9	0.7 (23:10)	0.9 (24:00)	6.7	13.8 (14:40)	0.8 (23:40)	0.3
21	12.7	776.1 (14:10)	1000.2	1001.4 (0:10)	999.2 (15:40)	69.7	13.5 (1:50)	37.7 (2:00)	4.3	10.4 (11:30)	0.2 (1:40)	1.8
22	17.7	1007.0 (12:20)	1001.2	1002.6 (22:30)	1000.6 (1:50)	-	- (:)	- (:)	6.0	16.2 (17:10)	0.6 (3:30)	6.3
23	18.4	896.0 (14:10)	1002.6	1003.3 (7:50)	1001.6 (17:40)	0.1	0.1 (23:30)	0.1 (24:00)	7.7	18.1 (15:10)	0.9 (4:30)	1.0
24	6.7	271.7 (11:00)	1001.6	1002.7 (0:10)	1000.8 (18:00)	0.1	0.1 (10:20)	0.1 (11:00)	13.0	- (:)	0.9 (4:40)	0.2
25	6.8	373.6 (9:30)	1003.3	1004.8 (22:20)	1002.0 (0:20)	0.1	0.1 (4:10)	0.1 (5:00)	13.9	- (:)	3.8 (9:20)	-
26	20.4	988.5 (11:40)	1003.9	1004.9 (7:50)	1002.8 (16:10)	0.1	0.1 (12:20)	0.1 (13:00)	17.5	- (:)	8.6 (0:10)	-
27	20.1	913.4 (11:30)	1003.8	1004.5 (7:50)	1002.8 (16:10)	2.3	0.5 (20:10)	1.3 (21:00)	13.9	- (:)	1.2 (20:50)	-
28	8.8	349.6 (11:40)	1003.8	1004.4 (9:40)	1003.3 (23:50)	0.2	0.2 (23:50)	0.2 (24:00)	11.5	- (:)	1.0 (3:30)	-
29	19.8	965.0 (13:00)	1003.9	1005.6 (23:20)	1002.9 (3:50)	0.3	0.1 (0:20)	0.1 (1:00)	14.9	- (:)	3.4 (1:20)	-
30	20.2	954.1 (12:10)	1005.8	1006.6 (9:20)	1004.7 (17:20)	-	- (:)	- (:)	13.6	- (:)	4.7 (24:00)	-
31	19.2	873.3 (11:50)	1005.6	1006.5 (8:00)	1004.5 (18:00)	-	- (:)	- (:)	11.0	- (:)	3.1 (22:00)	-
월	419.4	1007.0 (7/22)	1003.6	1008.0 (7/ 5)	996.4 (7/ 9)	372.8	13.5 (7/21)	37.7 (7/21)	8.8	- (/)	0.2 (7/21)	41.3

표 7. 계속 (Continued: 2009년 8월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	20.1	956.5 (11:40)	1004.3	1005.2 (0:40)	1003.1 (17:50)	-	- (:)	- (:)	8.6	- (:)	0.6 (6:50)	0.8
2	14.3	944.5 (13:00)	1004.1	1004.9 (8:30)	1003.0 (17:00)	-	- (:)	- (:)	10.6	19.9 (18:20)	1.3 (4:10)	-
3	9.8	659.3 (11:50)	1005.3	1006.1 (23:50)	1004.6 (3:00)	-	- (:)	- (:)	17.7	- (:)	7.1 (23:10)	-
4	22.3	979.4 (12:00)	1005.3	1006.0 (0:10)	1004.1 (18:30)	-	- (:)	- (:)	14.9	- (:)	2.2 (5:10)	-
5	22.0	1030.7 (12:40)	1005.3	1006.0 (8:00)	1004.4 (16:10)	-	- (:)	- (:)	20.0	- (:)	19.0 (22:00)	-
6	17.1	917.5 (11:50)	1006.1	1006.7 (22:10)	1005.6 (1:00)	4.3	1.3 (17:40)	2.4 (18:00)	16.7	- (:)	2.3 (18:20)	-
7	13.5	727.2 (13:50)	1006.2	1006.6 (0:30)	1005.5 (14:40)	7.8	0.8 (17:00)	2.6 (17:00)	11.4	- (:)	1.5 (20:10)	-
8	18.5	977.2 (13:30)	1005.3	1006.1 (9:20)	1004.0 (18:10)	0.7	0.2 (8:00)	0.5 (8:00)	15.2	- (:)	3.5 (6:00)	-
9	23.4	932.3 (12:30)	1004.2	1005.0 (8:40)	1003.4 (18:00)	-	- (:)	- (:)	20.0	- (:)	19.4 (14:10)	-
10	17.3	1017.9 (12:00)	1004.5	1005.1 (22:00)	1003.8 (16:20)	-	- (:)	- (:)	20.0	- (:)	19.7 (5:20)	-
11	5.0	399.6 (14:10)	1003.6	1005.0 (0:10)	1001.5 (24:00)	26.4	3.2 (21:50)	7.7 (11:00)	11.0	- (:)	0.7 (10:50)	0.3
12	3.0	125.8 (13:20)	999.8	1001.5 (0:10)	998.9 (17:00)	23.7	2.0 (7:00)	7.9 (7:00)	4.6	14.6 (7:50)	0.9 (19:10)	1.0
13	15.8	930.0 (11:30)	1002.7	1004.9 (24:00)	1000.6 (0:10)	3.7	1.3 (2:50)	2.7 (3:00)	10.2	- (:)	0.6 (23:50)	1.3
14	17.4	881.6 (13:30)	1005.4	1006.3 (9:30)	1004.6 (17:30)	-	- (:)	- (:)	3.7	8.8 (22:20)	0.3 (3:10)	7.5
15	22.0	884.0 (12:20)	1006.2	1007.2 (24:00)	1005.4 (16:00)	-	- (:)	- (:)	6.6	15.5 (17:00)	1.2 (7:00)	-
16	18.4	1003.5 (12:00)	1008.1	1008.8 (23:50)	1007.3 (0:50)	-	- (:)	- (:)	13.2	19.9 (15:00)	1.2 (2:00)	-
17	17.5	897.1 (14:30)	1008.7	1009.4 (8:30)	1007.7 (18:30)	-	- (:)	- (:)	14.9	20.0 (0:50)	4.3 (24:00)	-
18	14.4	797.9 (13:20)	1008.1	1008.6 (7:40)	1007.4 (18:40)	-	- (:)	- (:)	7.0	13.6 (14:00)	2.1 (5:10)	-
19	17.7	896.7 (14:10)	1006.9	1008.4 (0:10)	1005.3 (18:20)	0.4	0.1 (3:40)	0.2 (5:00)	7.3	14.9 (13:00)	0.8 (6:30)	1.3
20	3.6	279.4 (8:30)	1004.0	1005.7 (0:20)	1002.3 (15:20)	28.1	4.8 (15:10)	13.5 (16:00)	5.9	14.3 (9:50)	0.7 (21:50)	3.7
21	19.2	972.8 (12:10)	1004.5	1005.3 (9:50)	1003.9 (16:30)	0.2	0.1 (0:30)	0.1 (1:00)	11.6	- (:)	0.2 (6:40)	6.0
22	15.8	898.5 (11:30)	1005.0	1005.8 (23:00)	1004.4 (14:00)	-	- (:)	- (:)	15.9	- (:)	3.9 (4:30)	-
23	21.4	891.1 (12:30)	1006.2	1007.2 (24:00)	1005.5 (17:40)	-	- (:)	- (:)	19.3	- (:)	13.2 (23:50)	-
24	21.4	885.5 (12:30)	1007.3	1008.1 (9:00)	1006.4 (15:50)	-	- (:)	- (:)	14.0	- (:)	2.9 (4:50)	-
25	14.5	839.8 (13:50)	1007.2	1008.1 (9:10)	1006.1 (16:50)	-	- (:)	- (:)	15.5	- (:)	5.0 (24:00)	-
26	16.4	867.1 (13:10)	1005.5	1006.9 (0:10)	1003.5 (24:00)	-	- (:)	- (:)	12.6	- (:)	1.1 (5:50)	-
27	4.2	371.6 (14:50)	1002.6	1003.8 (24:00)	1001.8 (12:30)	11.5	2.1 (7:50)	4.1 (8:00)	8.3	20.0 (4:40)	1.1 (9:00)	-
28	19.0	917.5 (12:40)	1004.7	1006.8 (23:30)	1003.4 (2:20)	-	- (:)	- (:)	10.5	- (:)	0.6 (5:30)	0.2
29	18.6	904.5 (12:00)	1007.5	1008.8 (24:00)	1006.5 (14:10)	-	- (:)	- (:)	14.2	- (:)	3.3 (5:10)	-
30	5.9	310.1 (12:30)	1009.3	1010.0 (21:30)	1008.7 (4:00)	3.1	0.3 (6:50)	0.7 (8:00)	15.3	- (:)	1.6 (7:10)	-
31	15.7	901.1 (12:40)	1009.6	1010.3 (24:00)	1009.0 (15:50)	-	- (:)	- (:)	20.0	- (:)	18.2 (20:00)	-
월	485.2	1030.7 (8/ 5)	1005.6	1010.3 (8/31)	998.9 (8/12)	109.9	4.8 (8/20)	13.5 (8/20)	12.8	- (/)	0.2 (8/21)	22.2

표 7. 계속 (Continued: 2009년 9월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	21.3	896.6 (12:40)	1010.6	1011.6 (7:40)	1009.6 (18:40)	-	- (:)	- (:)	20.0	- (:)	19.0 (6:00)	-
2	21.2	889.9 (12:40)	1010.4	1011.4 (9:30)	1009.1 (16:30)	0.1	0.1 (13:50)	0.1 (14:00)	20.0	- (:)	19.3 (3:10)	-
3	18.3	898.7 (11:50)	1009.4	1010.6 (8:30)	1008.0 (18:10)	-	- (:)	- (:)	20.0	- (:)	18.2 (19:50)	-
4	18.9	890.5 (13:00)	1007.3	1008.7 (0:20)	1005.8 (18:30)	-	- (:)	- (:)	18.1	- (:)	7.4 (6:40)	-
5	19.7	907.0 (12:20)	1005.6	1006.6 (9:20)	1004.2 (17:30)	-	- (:)	- (:)	14.1	- (:)	5.4 (24:00)	-
6	18.2	808.4 (12:50)	1004.8	1005.5 (7:30)	1003.8 (16:30)	-	- (:)	- (:)	9.3	- (:)	0.7 (6:20)	1.8
7	9.0	538.8 (12:10)	1004.4	1005.2 (9:50)	1003.3 (16:30)	-	- (:)	- (:)	10.9	19.9 (22:00)	6.3 (3:50)	-
8	19.1	957.2 (11:40)	1004.1	1005.0 (22:40)	1003.1 (15:40)	-	- (:)	- (:)	15.6	- (:)	4.4 (6:10)	-
9	17.8	927.5 (12:50)	1005.4	1006.5 (24:00)	1004.6 (15:10)	-	- (:)	- (:)	18.7	- (:)	11.8 (8:40)	-
10	20.6	886.1 (13:00)	1006.4	1007.3 (8:40)	1005.5 (19:20)	-	- (:)	- (:)	17.2	- (:)	7.2 (5:20)	-
11	7.3	358.2 (10:00)	1006.1	1006.8 (8:00)	1005.3 (24:00)	0.5	0.1 (24:00)	0.4 (24:00)	13.4	- (:)	3.3 (23:50)	-
12	13.7	794.6 (14:00)	1004.6	1007.1 (24:00)	1002.9 (12:50)	3.4	2.1 (4:20)	2.2 (5:00)	12.5	- (:)	1.3 (4:20)	-
13	19.1	920.8 (11:30)	1008.8	1009.9 (9:50)	1007.1 (0:10)	-	- (:)	- (:)	11.8	19.9 (17:10)	1.6 (5:50)	-
14	7.7	445.0 (12:50)	1008.8	1009.7 (1:20)	1007.5 (15:50)	3.9	1.4 (17:50)	2.5 (18:00)	5.4	13.0 (13:50)	0.7 (22:40)	0.7
15	15.2	834.2 (11:30)	1007.9	1008.7 (9:30)	1006.6 (15:30)	0.1	0.1 (0:40)	0.1 (1:00)	4.9	18.7 (12:30)	0.1 (6:00)	8.8
16	18.2	838.2 (12:00)	1008.6	1009.4 (10:10)	1007.7 (16:20)	-	- (:)	- (:)	7.1	17.9 (16:00)	0.7 (6:30)	2.5
17	14.6	792.5 (12:20)	1008.8	1009.6 (7:40)	1007.5 (15:10)	-	- (:)	- (:)	7.2	16.7 (18:50)	1.0 (5:50)	-
18	18.1	804.4 (12:20)	1008.7	1009.7 (8:20)	1007.4 (16:30)	-	- (:)	- (:)	5.8	17.6 (15:30)	0.2 (8:00)	4.3
19	19.3	837.4 (12:00)	1008.9	1009.8 (9:40)	1007.6 (16:30)	-	- (:)	- (:)	16.0	- (:)	3.9 (0:10)	-
20	17.9	822.9 (12:30)	1008.9	1009.8 (7:40)	1008.0 (15:40)	-	- (:)	- (:)	18.6	- (:)	9.2 (24:00)	-
21	4.9	265.0 (12:50)	1008.6	1009.7 (22:10)	1007.9 (2:30)	1.4	0.2 (9:40)	0.4 (10:00)	8.1	17.4 (23:50)	2.4 (7:30)	-
22	13.7	851.7 (12:50)	1010.3	1011.2 (9:40)	1009.6 (16:10)	-	- (:)	- (:)	11.1	17.6 (21:00)	1.1 (6:50)	-
23	13.9	830.2 (12:10)	1010.5	1011.3 (24:00)	1009.5 (17:10)	-	- (:)	- (:)	14.6	- (:)	9.9 (2:00)	-
24	15.7	800.4 (12:40)	1011.1	1012.0 (9:30)	1010.0 (16:40)	-	- (:)	- (:)	11.3	- (:)	0.5 (7:40)	0.2
25	6.6	370.1 (10:00)	1010.1	1010.9 (9:40)	1009.4 (16:40)	-	- (:)	- (:)	7.0	14.8 (16:40)	0.9 (23:50)	0.2
26	14.3	810.2 (12:50)	1010.3	1011.2 (10:10)	1009.3 (16:10)	-	- (:)	- (:)	10.8	- (:)	0.5 (2:10)	6.5
27	3.7	331.1 (12:10)	1010.0	1010.9 (9:50)	1008.9 (24:00)	17.7	1.1 (22:40)	3.8 (24:00)	8.9	19.9 (1:20)	0.5 (21:40)	3.2
28	8.8	532.0 (13:10)	1009.4	1011.2 (23:20)	1008.2 (4:10)	20.3	1.4 (1:50)	6.0 (1:00)	7.6	- (:)	1.0 (6:50)	0.2
29	9.6	460.7 (13:10)	1011.7	1012.5 (10:10)	1011.0 (0:10)	-	- (:)	- (:)	11.3	- (:)	0.2 (3:30)	6.7
30	11.4	741.2 (13:40)	1012.2	1013.2 (9:50)	1011.4 (16:20)	-	- (:)	- (:)	10.5	19.9 (14:40)	3.1 (7:00)	-
월	437.6	957.2 (9/ 8)	1008.4	1013.2 (9/30)	1002.9 (9/12)	47.4	2.1 (9/12)	6.0 (9/28)	12.2	- (/)	0.1 (9/15)	35.0

표 7. 계속 (Continued: 2009년 10월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	15.1	761.6 (12:20)	1009.9	1011.9 (1:00)	1007.6 (24:00)	-	- (:)	- (:)	13.0	- (:)	2.4 (4:10)	-
2	12.9	698.6 (13:00)	1006.2	1007.8 (23:50)	1004.7 (14:30)	-	- (:)	- (:)	11.2	- (:)	1.6 (5:10)	-
3	16.5	765.8 (11:50)	1008.7	1009.5 (22:20)	1007.7 (0:10)	-	- (:)	- (:)	19.6	- (:)	15.5 (6:10)	-
4	12.9	719.1 (11:40)	1010.3	1011.8 (22:50)	1009.2 (4:20)	-	- (:)	- (:)	19.7	- (:)	15.4 (7:30)	-
5	16.3	757.8 (12:20)	1011.2	1012.1 (8:00)	1009.8 (17:00)	-	- (:)	- (:)	16.2	- (:)	5.5 (6:30)	-
6	15.2	752.3 (12:30)	1011.1	1011.9 (8:50)	1010.1 (15:00)	-	- (:)	- (:)	13.0	- (:)	2.0 (5:40)	-
7	11.1	702.8 (11:10)	1009.8	1011.0 (1:50)	1008.4 (17:20)	-	- (:)	- (:)	16.7	- (:)	2.2 (6:50)	-
8	14.0	746.7 (13:20)	1007.8	1008.6 (22:40)	1007.0 (14:30)	-	- (:)	- (:)	19.9	- (:)	17.5 (8:40)	-
9	15.8	743.5 (12:10)	1008.8	1009.8 (24:00)	1008.0 (15:40)	-	- (:)	- (:)	18.3	- (:)	3.2 (6:50)	-
10	12.3	720.5 (11:50)	1011.2	1013.1 (23:10)	1009.8 (0:10)	-	- (:)	- (:)	18.3	- (:)	9.2 (7:00)	-
11	13.8	699.7 (12:00)	1012.9	1014.0 (9:10)	1012.0 (17:20)	-	- (:)	- (:)	14.1	- (:)	5.6 (7:00)	-
12	13.1	756.0 (12:20)	1011.1	1012.6 (1:20)	1009.4 (16:00)	-	- (:)	- (:)	14.2	- (:)	3.8 (6:00)	-
13	10.6	633.2 (12:30)	1009.9	1011.0 (9:10)	1008.6 (15:10)	10.1	3.0 (21:20)	7.0 (22:00)	7.4	18.2 (0:20)	0.8 (21:00)	0.8
14	9.1	639.8 (12:50)	1010.4	1012.0 (23:50)	1009.0 (3:40)	0.2	0.1 (1:00)	0.1 (1:00)	6.1	18.8 (10:30)	0.4 (7:50)	5.2
15	14.1	718.9 (12:20)	1011.5	1012.7 (8:10)	1010.1 (17:10)	-	- (:)	- (:)	10.5	- (:)	0.7 (5:40)	4.2
16	11.6	707.0 (12:40)	1008.2	1010.8 (0:10)	1004.8 (24:00)	-	- (:)	- (:)	10.0	18.9 (19:50)	1.7 (6:00)	-
17	11.3	670.8 (11:20)	1004.1	1005.6 (22:20)	1003.0 (7:30)	8.4	1.6 (1:50)	4.0 (3:00)	13.4	- (:)	1.1 (3:10)	-
18	12.2	728.3 (11:30)	1005.9	1007.1 (9:00)	1004.7 (24:00)	-	- (:)	- (:)	17.6	- (:)	7.4 (6:10)	-
19	9.7	789.1 (12:50)	1005.3	1008.9 (24:00)	1001.9 (6:00)	0.5	0.2 (6:10)	0.3 (7:00)	17.6	- (:)	6.1 (6:50)	-
20	14.2	672.0 (12:00)	1010.7	1012.0 (24:00)	1009.0 (0:10)	-	- (:)	- (:)	18.3	- (:)	12.9 (9:10)	-
21	13.7	687.6 (12:00)	1012.6	1013.6 (22:00)	1011.8 (5:00)	-	- (:)	- (:)	17.3	- (:)	12.8 (10:30)	-
22	12.2	585.7 (10:40)	1012.6	1013.9 (8:40)	1011.0 (17:10)	-	- (:)	- (:)	12.7	19.9 (17:00)	2.8 (7:00)	-
23	10.8	497.7 (12:30)	1011.3	1012.0 (8:50)	1010.2 (15:00)	-	- (:)	- (:)	10.3	15.3 (11:30)	1.5 (24:00)	-
24	12.0	579.8 (12:20)	1011.6	1012.5 (9:30)	1010.7 (15:40)	-	- (:)	- (:)	7.5	13.8 (12:30)	0.8 (1:40)	1.2
25	11.4	595.1 (12:20)	1012.1	1013.3 (9:30)	1011.0 (15:00)	-	- (:)	- (:)	15.1	- (:)	6.4 (3:50)	-
26	11.1	546.9 (12:40)	1010.2	1011.6 (2:20)	1008.9 (15:30)	-	- (:)	- (:)	7.0	19.9 (0:20)	1.2 (24:00)	-
27	9.7	626.0 (12:20)	1011.0	1013.6 (24:00)	1009.4 (4:10)	-	- (:)	- (:)	3.6	11.0 (15:30)	0.6 (7:20)	4.5
28	10.3	536.3 (12:40)	1013.8	1014.9 (9:40)	1012.9 (14:50)	-	- (:)	- (:)	4.1	9.0 (19:20)	0.1 (6:50)	6.0
29	8.1	550.0 (13:10)	1013.1	1014.1 (8:30)	1011.9 (16:20)	-	- (:)	- (:)	10.7	19.4 (15:50)	3.9 (6:30)	-
30	11.0	570.4 (12:20)	1013.7	1015.0 (9:40)	1012.6 (16:00)	-	- (:)	- (:)	8.9	14.1 (15:00)	5.8 (2:30)	-
31	7.2	470.2 (10:40)	1010.5	1013.9 (0:10)	1008.0 (20:00)	7.3	1.1 (22:00)	3.8 (22:00)	6.6	14.7 (14:40)	1.5 (21:10)	-
월	379.2	789.1 (10/19)	1010.2	1015.0 (10/30)	1001.9 (10/19)	26.5	3.0 (10/13)	7.0 (10/13)	12.9	- (/)	0.1 (10/28)	21.8

표 7. 계속 (Continued: 2009년 11월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	8.2	694.6 (12:50)	1010.8	1012.8 (24:00)	1009.5 (0:10)	8.7	0.9 (1:30)	2.9 (1:00)	9.0	15.5 (18:20)	1.3 (6:10)	-
2	9.4	621.4 (11:40)	1016.5	1020.0 (23:50)	1012.8 (0:10)	-	- (:)	- (:)	18.7	- (:)	9.1 (2:00)	-
3	9.3	654.2 (13:10)	1019.4	1020.7 (8:30)	1018.1 (24:00)	-	- (:)	- (:)	19.6	- (:)	15.5 (23:00)	-
4	5.9	616.2 (11:30)	1016.6	1018.3 (1:50)	1015.0 (24:00)	-	- (:)	- (:)	18.7	- (:)	11.1 (8:40)	-
5	9.4	535.5 (13:10)	1013.7	1015.0 (0:10)	1012.6 (24:00)	-	- (:)	- (:)	12.7	- (:)	3.1 (23:50)	-
6	9.1	552.1 (12:00)	1011.1	1012.6 (1:10)	1009.8 (17:00)	-	- (:)	- (:)	6.7	19.0 (15:10)	0.8 (6:40)	1.5
7	6.7	410.8 (11:50)	1010.6	1011.5 (9:40)	1009.8 (17:00)	-	- (:)	- (:)	9.7	- (:)	0.1 (8:10)	7.3
8	2.2	151.6 (14:00)	1009.1	1010.2 (0:20)	1008.1 (14:50)	29.2	4.4 (11:40)	16.3 (12:00)	7.3	18.5 (7:40)	0.7 (10:40)	2.2
9	6.2	537.5 (13:10)	1008.6	1009.5 (9:00)	1007.6 (16:10)	0.1	0.1 (4:30)	0.1 (5:00)	10.2	- (:)	0.3 (6:10)	5.3
10	4.9	301.3 (12:00)	1007.9	1008.8 (10:10)	1006.8 (17:00)	-	- (:)	- (:)	20.0	- (:)	18.3 (12:40)	-
11	9.9	779.4 (12:40)	1011.9	1016.5 (24:00)	1008.6 (0:10)	-	- (:)	- (:)	19.9	- (:)	17.9 (7:00)	-
12	6.1	432.3 (10:30)	1016.1	1017.5 (7:30)	1014.0 (24:00)	-	- (:)	- (:)	20.0	- (:)	18.9 (12:50)	-
13	2.7	131.9 (13:20)	1010.3	1014.0 (0:10)	1008.4 (19:40)	1.3	0.1 (10:20)	0.3 (14:00)	10.2	- (:)	1.4 (14:10)	-
14	5.6	430.2 (10:10)	1009.5	1011.4 (24:00)	1008.0 (4:30)	0.1	0.1 (5:40)	0.1 (6:00)	13.8	- (:)	4.5 (0:10)	-
15	5.1	367.0 (14:40)	1014.2	1017.2 (23:40)	1011.4 (0:10)	0.4	0.1 (0:30)	0.1 (1:00)	15.0	- (:)	3.1 (8:30)	-
16	5.7	303.5 (13:50)	1017.4	1018.6 (9:10)	1016.5 (17:00)	-	- (:)	- (:)	19.0	- (:)	15.6 (13:20)	-
17	10.0	572.0 (12:10)	1015.6	1017.1 (0:20)	1014.1 (14:50)	-	- (:)	- (:)	20.0	- (:)	19.1 (13:50)	-
18	9.7	523.8 (11:30)	1016.9	1017.9 (10:20)	1015.9 (0:10)	-	- (:)	- (:)	19.9	- (:)	18.8 (8:30)	-
19	5.8	528.2 (12:10)	1017.7	1018.7 (23:50)	1017.1 (4:50)	-	- (:)	- (:)	15.0	- (:)	8.0 (18:40)	-
20	9.5	603.3 (12:20)	1017.1	1018.8 (1:50)	1015.5 (15:10)	-	- (:)	- (:)	15.6	- (:)	8.2 (7:50)	-
21	10.6	555.2 (12:20)	1017.2	1019.2 (9:20)	1015.8 (0:10)	0.1	0.1 (1:20)	0.1 (2:00)	16.2	- (:)	7.1 (2:40)	-
22	10.0	543.8 (12:30)	1015.3	1016.9 (0:10)	1014.0 (14:50)	-	- (:)	- (:)	19.1	- (:)	14.3 (7:20)	-
23	8.7	469.6 (13:00)	1015.2	1016.2 (8:40)	1014.6 (18:20)	-	- (:)	- (:)	13.1	19.9 (3:50)	3.7 (24:00)	-
24	8.6	454.2 (12:00)	1013.0	1015.3 (0:40)	1010.9 (15:30)	-	- (:)	- (:)	5.0	12.4 (15:30)	0.1 (8:20)	5.0
25	3.2	295.1 (10:00)	1012.0	1013.4 (22:50)	1011.3 (15:20)	0.6	0.1 (12:00)	0.4 (12:00)	2.4	5.7 (9:10)	0.2 (24:00)	2.5
26	1.0	175.0 (10:30)	1013.9	1015.2 (9:50)	1013.2 (17:20)	-	- (:)	- (:)	1.3	4.2 (18:20)	0.1 (5:00)	9.2
27	3.2	186.2 (13:10)	1014.3	1015.6 (23:50)	1013.3 (4:40)	-	- (:)	- (:)	2.4	5.2 (13:20)	1.0 (5:30)	-
28	7.4	395.6 (11:20)	1015.2	1016.2 (10:00)	1014.2 (17:40)	-	- (:)	- (:)	3.0	4.4 (14:10)	1.8 (23:20)	-
29	1.7	120.2 (11:30)	1014.1	1014.7 (0:10)	1013.5 (14:30)	9.3	0.4 (9:00)	1.7 (9:00)	1.3	3.7 (14:40)	0.2 (9:00)	11.5
30	6.2	453.8 (12:00)	1014.3	1015.2 (10:00)	1013.6 (1:30)	-	- (:)	- (:)	2.4	6.4 (12:40)	0.1 (3:20)	9.3
월	202.2	779.4 (11/11)	1013.8	1020.7 (11/ 3)	1006.8 (11/10)	49.8	4.4 (11/ 8)	16.3 (11/ 8)	12.3	- (/)	0.1 (11/24)	53.8

표 7. 계속 (Continued: 2009년 12월)

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 우 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
1	5.8	385.3 (11:50)	1015.2	1016.1 (23:40)	1014.5 (15:00)	-	- (:)	- (:)	2.8	5.1 (16:00)	1.1 (24:00)	-
2	6.4	476.6 (12:30)	1014.7	1016.5 (8:50)	1012.8 (24:00)	-	- (:)	- (:)	1.4	4.3 (15:00)	0.1 (5:20)	10.5
3	3.0	231.2 (13:00)	1012.5	1014.1 (23:30)	1011.2 (6:30)	-	- (:)	- (:)	2.7	6.1 (18:00)	0.4 (8:10)	7.0
4	7.3	451.7 (12:00)	1012.7	1014.5 (7:50)	1009.4 (23:50)	-	- (:)	- (:)	2.7	6.2 (13:50)	0.1 (5:50)	4.8
5	5.5	498.6 (12:30)	1009.6	1013.4 (24:00)	1005.8 (4:50)	9.6	1.0 (3:30)	4.0 (4:00)	12.5	- (:)	0.9 (3:20)	0.2
6	8.5	494.8 (12:40)	1015.5	1017.3 (23:40)	1013.4 (0:20)	-	- (:)	- (:)	20.0	- (:)	19.5 (11:30)	-
7	8.0	459.0 (12:20)	1017.6	1018.6 (10:00)	1016.8 (15:20)	-	- (:)	- (:)	15.0	- (:)	6.8 (24:00)	-
8	5.3	336.8 (11:40)	1016.2	1017.6 (0:10)	1015.1 (15:30)	-	- (:)	- (:)	6.3	14.5 (15:10)	1.8 (7:00)	-
9	5.0	448.9 (12:10)	1014.0	1015.4 (9:30)	1012.7 (16:30)	1.7	0.3 (22:20)	0.9 (23:00)	10.7	- (:)	1.1 (23:40)	-
10	1.1	56.7 (11:40)	1010.7	1012.8 (0:20)	1009.5 (14:40)	21.1	0.7 (18:40)	2.4 (19:00)	5.5	19.8 (9:40)	0.6 (22:50)	2.2
11	2.0	197.5 (11:40)	1010.5	1012.3 (23:50)	1009.4 (1:40)	0.4	0.1 (0:30)	0.2 (1:00)	3.0	14.6 (23:40)	0.4 (1:50)	3.3
12	7.8	461.5 (13:00)	1012.7	1013.5 (22:20)	1011.8 (5:10)	-	- (:)	- (:)	9.5	15.6 (13:40)	5.3 (22:20)	-
13	6.0	418.5 (12:50)	1013.0	1014.1 (24:00)	1011.6 (14:40)	-	- (:)	- (:)	10.5	- (:)	3.7 (6:20)	-
14	8.3	489.8 (12:40)	1016.0	1017.0 (11:00)	1014.1 (0:20)	-	- (:)	- (:)	18.0	- (:)	9.5 (3:50)	-
15	5.7	419.6 (11:20)	1016.9	1018.3 (10:20)	1015.9 (16:20)	-	- (:)	- (:)	18.8	- (:)	14.7 (10:50)	-
16	8.1	476.8 (12:30)	1016.5	1017.7 (10:10)	1015.2 (15:20)	-	- (:)	- (:)	19.1	- (:)	6.2 (23:30)	-
17	7.8	461.5 (12:30)	1014.6	1015.7 (10:00)	1013.0 (14:30)	-	- (:)	- (:)	15.3	- (:)	1.1 (22:40)	-
18	7.8	490.5 (13:20)	1015.5	1016.0 (9:50)	1014.6 (0:10)	-	- (:)	- (:)	15.1	- (:)	1.8 (1:00)	-
19	6.1	459.4 (12:40)	1015.4	1016.6 (10:10)	1014.2 (24:00)	-	- (:)	- (:)	9.1	19.8 (19:00)	0.7 (13:50)	0.7
20	3.7	268.8 (13:50)	1012.9	1014.5 (24:00)	1010.9 (15:00)	-	- (:)	- (:)	9.7	19.8 (23:00)	1.6 (16:20)	-
21	8.0	472.0 (12:40)	1015.5	1016.8 (10:10)	1014.6 (0:10)	-	- (:)	- (:)	17.7	- (:)	13.6 (9:50)	-
22	5.9	462.7 (12:20)	1013.4	1014.8 (0:10)	1012.1 (24:00)	-	- (:)	- (:)	11.5	15.4 (15:10)	6.6 (22:50)	-
23	3.8	313.1 (11:30)	1012.0	1013.3 (21:50)	1011.2 (3:50)	0.1	0.1 (4:10)	0.1 (5:00)	3.8	9.7 (3:00)	1.6 (7:00)	-
24	4.8	358.3 (12:10)	1012.2	1013.6 (10:20)	1010.9 (16:00)	-	- (:)	- (:)	1.5	3.2 (14:50)	0.1 (6:50)	8.0
25	2.8	266.1 (11:20)	1009.9	1011.6 (24:00)	1008.2 (14:00)	0.4	0.1 (14:10)	0.3 (15:00)	1.4	4.3 (24:00)	0.0 (2:50)	12.2
26	8.0	463.6 (13:00)	1013.7	1015.1 (24:00)	1011.7 (0:10)	-	- (:)	- (:)	14.6	20.0 (17:10)	0.7 (3:10)	0.3
27	5.9	371.6 (11:40)	1013.3	1015.2 (0:30)	1011.9 (12:10)	-	- (:)	- (:)	9.7	- (:)	1.0 (16:50)	0.2
28	7.9	476.8 (12:40)	1013.3	1014.3 (10:20)	1012.3 (1:50)	-	- (:)	- (:)	10.3	20.0 (22:00)	3.1 (2:30)	-
29	7.0	409.1 (11:50)	1011.0	1013.5 (3:10)	1008.7 (22:10)	-	- (:)	- (:)	10.3	15.9 (16:00)	4.3 (6:40)	-
30	5.3	375.8 (12:00)	1009.3	1010.9 (23:50)	1007.9 (2:00)	0.2	0.1 (2:30)	0.1 (3:00)	9.8	- (:)	0.3 (10:30)	0.2
31	7.1	483.2 (12:50)	1013.1	1014.4 (21:30)	1010.9 (0:40)	-	- (:)	- (:)	12.7	- (:)	0.8 (1:30)	0.8
월	185.8	498.6 (12/ 5)	1013.5	1018.6 (12/ 7)	1005.8 (12/ 5)	33.5	1.0 (12/ 5)	4.0 (12/ 5)	10.0	- (/)	0.0 (12/25)	50.3

표 8. 기상요소의 연간 통계값(Annual statistics of meteorological parameters): 바람

높이	67 m				27 m				10 m			
	최다풍향(%)	풍속 (m/sec)			최다풍향(%)	풍속 (m/sec)			최다풍향(%)	풍속 (m/sec)		
		평균	최대: 풍향(시:분)			평균	최대: 풍향(시:분)			평균	최대: 풍향(시:분)	
09_01	N (15.7)	1.9	9.4	W (1/24)	NW (10.3)	1.1	6.8	WSW (1/24)	N (9.8)	0.6	4.0	WSW (1/24)
09_02	N (15.6)	1.3	16.0	WSW (2/13)	NNW (11.5)	1.2	11.2	SW (2/13)	N (14.1)	0.6	7.0	SSW (2/13)
09_03	W (9.4)	2.3	11.4	WSW (3/26)	SW (12.5)	1.9	8.3	SW (3/26)	SW (9.3)	1.1	5.1	SW (3/26)
1/4분기	N (12.7)	1.9	16.0	WSW (2/13)	SW (9.6)	1.4	11.2	SW (2/13)	N (10.3)	0.8	7.0	SSW (2/13)
09_04	W (11.3)	2.0	12.6	WSW (4/20)	WSW (15.2)	1.5	8.5	SW (4/20)	WSW (11.3)	0.8	5.0	SW (4/20)
09_05	WSW (13.5)	1.9	9.2	W (5/ 2)	SW (12.9)	1.3	6.8	WSW (5/ 2)	SW (9.9)	0.6	4.2	SW (5/18)
09_06	SW (14.4)	1.7	11.6	WSW (6/ 2)	SW (17.8)	1.4	7.4	SW (6/ 2)	SW (13.6)	0.5	4.7	SSW (6/ 2)
2/4분기	WSW (11.3)	1.9	12.6	WSW (4/20)	SW (13.4)	1.4	8.5	SW (4/20)	SW (10.0)	0.6	5.0	SW (4/20)
09_07	WSW (12.6)	2.0	14.5	SW (7/14)	SW (14.2)	1.5	10.3	SW (7/14)	SW (7.1)	0.3	5.5	SSW (7/14)
09_08	ESE (17.9)	2.0	8.4	SW (8/20)	E (13.3)	1.4	6.4	SW (8/20)	ENE (3.5)	0.1	2.7	E (8/31)
09_09	N (12.4)	1.4	8.5	WNW (9/12)	NNW (11.7)	1.0	7.2	W (9/12)	N (5.8)	0.3	3.4	WSW (9/12)
3/4분기	ESE (9.9)	1.8	14.5	SW (7/14)	SW (8.5)	1.3	10.3	SW (7/14)	ENE (3.4)	0.2	5.5	SSW (7/14)
09_10	WSW (11.8)	1.6	11.3	WSW (10/19)	WSW (11.5)	1.2	7.2	NNW (10/13)	SW (6.0)	0.4	4.3	SW (10/31)
09_11	N (15.5)	2.1	9.7	N (11/25)	NNW (13.3)	1.4	7.1	NNW (11/25)	N (8.7)	0.6	4.2	ENE (11/12)
09_12	N (17.9)	1.8	10.2	W (12/ 5)	NNW (14.2)	1.3	7.9	W (12/ 5)	N (13.6)	0.6	4.0	W (12/ 5)
4/4분기	N (14.1)	1.8	11.3	WSW (10/19)	NNW (11.8)	1.3	7.9	W (12/ 5)	N (9.4)	0.6	4.3	SW (10/31)
년	N (10.6)	1.8	16.0	WSW (09_02)	SW (9.8)	1.4	11.2	SW (09_02)	N (6.7)	0.5	7.0	SSW (09_02)

표 8. 계속 (Continued): 기온의 연간 통계값

높이	67 m			27 m			10 m			1.5 m		
	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)
09_01	-0.9	10.5 (1/30)	-10.2 (1/24)	-1.9	10.5 (1/30)	-12.1 (1/15)	-1.4	11.0 (1/30)	-11.6 (1/15)	-2.4	11.1 (1/30)	-13.9 (1/15)
09_02	3.7	17.7 (2/13)	-7.8 (2/17)	3.1	18.0 (2/13)	-9.8 (2/17)	3.6	18.1 (2/13)	-9.0 (2/17)	2.9	17.9 (2/13)	-10.9 (2/17)
09_03	6.6	22.1 (3/19)	-3.0 (3/ 7)	6.2	23.4 (3/19)	-4.3 (3/ 7)	6.7	23.5 (3/19)	-3.8 (3/ 7)	6.3	24.5 (3/19)	-5.9 (3/ 7)
1/4분기	3.1	22.1 (3/19)	-10.2 (1/24)	2.5	23.4 (3/19)	-12.1 (1/15)	2.9	23.5 (3/19)	-11.6 (1/15)	2.2	24.5 (3/19)	-13.9 (1/15)
09_04	12.5	25.7 (4/19)	1.3 (4/ 2)	12.4	27.0 (4/19)	-0.0 (4/ 2)	12.5	26.8 (4/19)	-0.3 (4/ 2)	12.3	28.3 (4/19)	-2.0 (4/ 2)
09_05	18.1	27.4 (5/28)	8.5 (5/ 5)	18.0	28.4 (5/ 6)	7.8 (5/ 5)	17.9	28.1 (5/ 6)	8.3 (5/ 5)	17.7	29.4 (5/ 6)	7.1 (5/18)
09_06	21.5	29.6 (6/19)	12.8 (6/13)	21.6	30.6 (6/19)	12.1 (6/13)	21.5	30.5 (6/19)	11.3 (6/13)	21.5	32.0 (6/19)	10.4 (6/13)
2/4분기	17.3	29.6 (6/19)	1.3 (4/ 2)	17.3	30.6 (6/19)	-0.0 (4/ 2)	17.3	30.5 (6/19)	-0.3 (4/ 2)	17.1	32.0 (6/19)	-2.0 (4/ 2)
09_07	22.9	28.4 (7/20)	18.1 (7/ 3)	23.0	29.4 (7/19)	17.8 (7/ 3)	23.0	29.4 (7/19)	17.5 (7/ 3)	23.1	31.0 (7/19)	17.1 (7/ 3)
09_08	23.8	30.2 (8/15)	16.6 (8/29)	24.0	30.9 (8/15)	16.2 (8/29)	23.8	30.4 (8/19)	15.9 (8/29)	23.9	32.1 (8/19)	15.4 (8/29)
09_09	20.4	27.5 (9/ 6)	14.5 (9/15)	20.3	28.4 (9/ 6)	14.1 (9/24)	20.2	28.3 (9/ 6)	14.1 (9/10)	20.1	29.8 (9/ 6)	13.1 (9/20)
3/4분기	22.4	30.2 (8/15)	14.5 (9/15)	22.5	30.9 (8/15)	14.1 (9/24)	22.3	30.4 (8/19)	14.1 (9/10)	22.4	32.1 (8/19)	13.1 (9/20)
09_10	15.5	24.7 (10/ 1)	7.8 (10/22)	14.9	25.5 (10/ 1)	6.3 (10/22)	14.9	25.6 (10/ 1)	6.6 (10/22)	14.4	27.4 (10/ 1)	5.3 (10/22)
09_11	7.5	21.2 (11/ 7)	-3.6 (11/18)	6.6	21.5 (11/ 7)	-5.4 (11/18)	7.2	21.9 (11/ 7)	-5.2 (11/18)	6.5	22.2 (11/ 7)	-6.8 (11/18)
09_12	0.1	9.0 (12/11)	-10.1 (12/18)	-1.1	8.8 (12/11)	-12.2 (12/18)	-0.4	9.3 (12/11)	-11.9 (12/18)	-1.1	9.8 (12/12)	-13.7 (12/18)
4/4분기	7.7	24.7 (10/ 1)	-10.1 (12/18)	6.8	25.5 (10/ 1)	-12.2 (12/18)	7.3	25.6 (10/ 1)	-11.9 (12/18)	6.6	27.4 (10/ 1)	-13.7 (12/18)
년	12.6	30.2 (09_08)	-10.2 (09_01)	12.3	30.9 (09_08)	-12.2 (09_12)	12.5	30.5 (09_06)	-11.9 (09_12)	12.1	32.1 (09_08)	-13.9 (09_01)

표 8. 계속 (Continued): 상대습도의 연간 통계값

높이	67 m			27 m			10 m			1.5 m		
	월	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)	최저(시:분)	평균	최고(시:분)
09_01	63	100 (1/17)	27 (1/ 3)	62	100 (1/17)	22 (1/20)	60	100 (1/18)	19 (1/ 3)	72	100 (1/ 6)	32 (1/28)
09_02	66	99 (2/ 6)	14 (2/27)	64	100 (2/ 6)	13 (2/27)	63	100 (2/ 6)	9 (2/27)	74	100 (2/ 3)	21 (2/17)
09_03	59	99 (3/ 3)	11 (3/ 8)	57	100 (3/17)	10 (3/ 8)	56	100 (3/17)	9 (3/17)	67	100 (3/ 3)	18 (3/ 8)
1/4분기	63	100 (1/17)	11 (3/ 8)	61	100 (1/17)	10 (3/ 8)	60	100 (1/18)	9 (3/17)	71	100 (1/ 6)	18 (3/ 8)
09_04	57	99 (4/25)	13 (4/ 9)	55	98 (4/25)	10 (4/ 9)	55	99 (4/25)	9 (4/ 9)	65	100 (4/ 2)	17 (4/30)
09_05	59	100 (5/17)	10 (5/ 9)	54	100 (5/12)	- (5/21)	50	100 (5/12)	- (5/19)	66	100 (5/ 3)	10 (5/ 9)
09_06	63	96 (6/21)	23 (6/12)	68	98 (6/10)	27 (6/ 1)	65	100 (6/10)	22 (6/ 1)	77	100 (6/ 1)	34 (6/ 1)
2/4분기	60	100 (5/17)	10 (5/ 9)	59	100 (5/12)	- (5/21)	57	100 (5/12)	- (5/19)	69	100 (4/ 2)	10 (5/ 9)
09_07	79	97 (7/17)	39 (7/11)	83	98 (7/22)	41 (7/11)	83	100 (7/ 9)	42 (7/11)	89	100 (7/ 3)	54 (7/11)
09_08	74	100 (8/12)	35 (8/23)	79	100 (8/21)	39 (8/23)	79	100 (8/ 1)	40 (8/23)	85	100 (8/ 1)	45 (8/23)
09_09	70	99 (9/29)	26 (9/24)	79	100 (9/12)	35 (9/24)	74	100 (9/15)	35 (9/24)	81	100 (9/ 6)	43 (9/10)
3/4분기	74	100 (8/12)	26 (9/24)	80	100 (8/21)	35 (9/24)	79	100 (7/ 9)	35 (9/24)	85	100 (7/ 3)	43 (9/10)
09_10	59	94 (10/28)	20 (10/22)	72	100 (10/14)	31 (10/21)	63	100 (10/14)	21 (10/21)	74	100 (10/ 1)	29 (10/21)
09_11	62	100 (11/29)	12 (11/21)	76	100 (11/ 7)	- (11/10)	63	100 (11/ 7)	9 (11/21)	72	100 (11/ 7)	20 (11/21)
09_12	72	100 (12/ 2)	20 (12/14)	89	100 (12/ 2)	33 (12/31)	74	100 (12/ 2)	18 (12/14)	68	99 (12/10)	15 (12/14)
4/4분기	65	100 (11/29)	12 (11/21)	79	100 (10/14)	- (11/10)	67	100 (10/14)	9 (11/21)	71	100 (10/ 1)	15 (12/14)
년	65	100 (09_05)	10 (09_05)	70	100 (09_01)	- (09_05)	66	100 (09_01)	- (09_05)	74	100 (09_01)	10 (09_05)

표 8. 계속 (Continued): 일사, 기압, 강수, 시정의 연간 통계값

월	일사량 (MJ/m ²)	최대일사율 (W/m ²)(시:분)	기 압 (hPa)			강 수 (mm)			시 정 (km)			안개 발생 시간
			평균	최고(시:분)	최저(시:분)	합계	10분최다(시:분)	1시간최다(시:분)	평균	최고(시:분)	최저(시:분)	
09_01	228.8	611.0 (1/24)	1014.6	1019.4 (1/15)	1007.8 (1/22)	12.4	0.6 (1/18)	2.6 (1/18)	12.6	- (/)	0.1 (1/25)	22.2
09_02	246.9	690.8 (2/21)	1011.7	1019.6 (2/17)	996.7 (2/13)	21.5	1.1 (2/13)	4.3 (2/13)	9.5	- (/)	0.0 (2/ 6)	46.3
09_03	438.7	867.9 (3/22)	1011.1	1017.8 (3/ 2)	997.5 (3/22)	60.6	1.4 (3/21)	5.4 (3/22)	13.8	- (/)	0.0 (3/17)	18.7
1/4분기	914.4	867.9 (3/22)	1012.5	1019.6 (2/17)	996.7 (2/13)	94.5	1.4 (3/21)	5.4 (3/22)	12.0	- (/)	0.0 (2/ 6)	87.2
09_04	498.2	1066.1 (4/25)	1008.9	1016.4 (4/ 2)	995.9 (4/20)	34.5	1.3 (4/15)	3.5 (4/20)	10.1	- (/)	0.6 (4/25)	6.3
09_05	556.6	1060.3 (5/ 3)	1007.3	1014.9 (5/ 1)	1001.2 (5/31)	126.6	3.2 (5/21)	11.0 (5/21)	9.3	19.4 (5/ 2)	0.1 (5/25)	21.3
09_06	553.6	1069.3 (6/14)	1003.4	1008.9 (6/ 8)	997.8 (6/22)	86.7	5.7 (6/29)	14.0 (6/29)	8.4	19.8 (6/25)	0.3 (6/20)	30.8
2/4분기	1608.4	1069.3 (6/14)	1006.6	1016.4 (4/ 2)	995.9 (4/20)	247.8	5.7 (6/29)	14.0 (6/29)	9.3	- (/)	0.1 (5/25)	58.5
09_07	419.4	1007.0 (7/22)	1003.6	1008.0 (7/ 5)	996.4 (7/ 9)	372.8	13.5 (7/21)	37.7 (7/21)	8.8	- (/)	0.2 (7/21)	41.3
09_08	485.2	1030.7 (8/ 5)	1005.6	1010.3 (8/31)	998.9 (8/12)	109.9	4.8 (8/20)	13.5 (8/20)	12.8	- (/)	0.2 (8/21)	22.2
09_09	437.6	957.2 (9/ 8)	1008.4	1013.2 (9/30)	1002.9 (9/12)	47.4	2.1 (9/12)	6.0 (9/28)	12.2	- (/)	0.1 (9/15)	35.0
3/4분기	1342.2	1030.7 (8/ 5)	1005.8	1013.2 (9/30)	996.4 (7/ 9)	530.1	13.5 (7/21)	37.7 (7/21)	11.3	- (/)	0.1 (9/15)	98.5
09_10	379.2	789.1 (10/19)	1010.2	1015.0 (10/30)	1001.9 (10/19)	26.5	3.0 (10/13)	7.0 (10/13)	12.9	- (/)	0.1 (10/28)	21.8
09_11	202.2	779.4 (11/11)	1013.8	1020.7 (11/ 3)	1006.8 (11/10)	49.8	4.4 (11/ 8)	16.3 (11/ 8)	12.3	- (/)	0.1 (11/24)	53.8
09_12	185.8	498.6 (12/ 5)	1013.5	1018.6 (12/ 7)	1005.8 (12/ 5)	33.5	1.0 (12/ 5)	4.0 (12/ 5)	10.0	- (/)	0.0 (12/25)	50.3
4/4분기	767.3	789.1 (10/19)	1012.5	1020.7 (11/ 3)	1001.9 (10/19)	109.8	4.4 (11/ 8)	16.3 (11/ 8)	11.7	- (/)	0.0 (12/25)	126.0
년	4632.3	1069.3 (09_06)	1009.4	1020.7 (09_11)	995.9 (09_04)	982.2	13.5 (09_07)	37.7 (09_07)	11.1	- (_)	0.0 (09_12)	370.2

표 9. 풍향, 풍속 및 대기안정도별 발생빈도 (Joint frequency distributions)

통계기간 : 2009/01부터 2009/12까지 관측높이 : 지상 67m 관측횟수 : 52279 (99.47 %) 결측횟수 : 281 (0.53 %) 합 계 : 52560																		
Joint Frequency Distribution of Wind Speed and Direction in Fractions(For Xoqdoq): Atmospheric Stability Class All																		
U (m/s)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total	
Calm																	27.23	
0.22~ 0.50	0.49	0.41	0.25	0.36	0.49	0.48	0.41	0.30	0.16	0.23	0.63	0.77	0.31	0.17	0.19	0.31	5.95	
0.51~ 0.75	0.41	0.33	0.19	0.27	0.35	0.32	0.27	0.17	0.10	0.18	0.43	0.52	0.23	0.13	0.15	0.27	4.31	
0.76~ 1.00	0.44	0.34	0.17	0.26	0.27	0.26	0.26	0.18	0.12	0.14	0.45	0.62	0.24	0.16	0.16	0.25	4.31	
1.01~ 1.50	1.21	0.70	0.32	0.42	0.53	0.51	0.33	0.25	0.20	0.23	0.88	1.43	0.52	0.41	0.41	0.71	9.06	
1.51~ 2.00	1.74	0.70	0.27	0.42	0.53	0.36	0.28	0.20	0.15	0.17	0.86	1.38	0.71	0.55	0.43	0.93	9.67	
2.01~ 3.00	3.35	1.30	0.47	0.50	0.89	1.09	0.49	0.20	0.14	0.20	1.30	1.69	1.39	1.25	0.94	1.78	17.01	
3.01~ 5.00	2.57	0.63	0.24	0.25	0.72	1.45	0.74	0.11	0.04	0.07	1.58	1.48	2.04	1.64	0.84	1.64	16.04	
5.01~ 7.00	0.37	0.02	0.00	0.01	0.06	0.30	0.22	0.01	-	0.00	0.94	0.97	0.88	0.34	0.08	0.44	4.63	
7.01~10.00	0.02	-	-	-	0.00	0.03	0.04	-	-	-	0.41	0.69	0.25	0.04	0.01	0.04	1.52	
10.01~13.00	-	-	-	-	-	-	-	-	-	-	0.09	0.16	0.01	-	-	-	0.25	
13.01~18.00	-	-	-	-	-	-	-	-	-	-	0.01	0.02	-	-	-	-	0.02	
18.00<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	10.59	4.43	1.90	2.49	3.84	4.80	3.03	1.42	0.91	1.22	7.56	9.73	6.58	4.68	3.22	6.36	100.00	
Joint Frequency Distribution of Stability and Direction in Fractions																		
Stab	Calm	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
A	0.65	0.39	0.47	0.31	0.30	0.46	0.51	0.51	0.19	0.03	0.07	0.48	0.69	0.44	0.20	0.13	0.42	6.25
B	0.47	0.28	0.22	0.11	0.10	0.22	0.29	0.28	0.08	0.03	0.05	0.29	0.39	0.26	0.15	0.08	0.26	3.54
C	0.50	0.30	0.24	0.10	0.14	0.17	0.22	0.26	0.11	0.02	0.03	0.24	0.35	0.25	0.10	0.08	0.27	3.39
D	3.36	2.53	1.43	0.35	0.55	0.91	1.33	0.88	0.35	0.17	0.20	2.15	2.26	1.72	1.22	0.71	2.02	22.16
E	10.08	5.13	1.29	0.63	0.75	1.37	2.04	0.96	0.57	0.52	0.55	3.10	3.49	3.09	2.73	1.98	2.92	41.19
F	10.83	1.80	0.70	0.35	0.59	0.64	0.39	0.13	0.10	0.12	0.29	1.16	2.18	0.73	0.24	0.19	0.42	20.86
G	1.33	0.15	0.08	0.06	0.06	0.07	0.01	0.01	0.02	0.01	0.03	0.15	0.37	0.09	0.04	0.05	0.05	2.59
Total	27.23	10.59	4.43	1.90	2.49	3.84	4.80	3.03	1.42	0.91	1.22	7.56	9.73	6.58	4.68	3.22	6.36	100.00

표 9. 계속 (Continued)

통계기간 : 2009/01부터 2009/12까지 관측높이 : 지상 27m 관측횟수 : 52279 (99.47 %) 결측횟수 : 281 (0.53 %) 합 계 : 52560																		
Joint Frequency Distribution of Wind Speed and Direction in Fractions(For Xoqdoq): Atmospheric Stability Class All																		
U (m/s)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total	
Calm																	27.89	
0.22~ 0.50	0.77	0.50	0.36	0.37	0.46	0.58	0.47	0.24	0.24	0.39	0.87	0.88	0.37	0.22	0.36	0.72	7.79	
0.51~ 0.75	0.56	0.34	0.31	0.27	0.35	0.49	0.34	0.14	0.14	0.28	0.79	0.72	0.28	0.22	0.33	0.59	6.16	
0.76~ 1.00	0.60	0.34	0.27	0.28	0.33	0.36	0.23	0.18	0.13	0.31	0.82	0.76	0.36	0.24	0.45	0.66	6.32	
1.01~ 1.50	1.40	0.59	0.46	0.48	0.55	0.47	0.31	0.19	0.18	0.57	1.57	1.76	0.77	0.68	1.14	1.65	12.76	
1.51~ 2.00	1.25	0.59	0.42	0.49	0.54	0.34	0.21	0.13	0.09	0.54	1.50	1.47	0.95	0.76	1.03	1.79	12.10	
2.01~ 3.00	1.34	0.88	0.55	0.66	1.06	0.60	0.29	0.08	0.04	0.69	1.43	1.96	1.43	0.93	1.43	2.31	15.68	
3.01~ 5.00	0.37	0.25	0.26	0.26	0.81	0.55	0.11	0.02	0.02	0.75	1.76	1.37	0.88	0.29	0.81	0.88	9.39	
5.01~ 7.00	0.00	-	0.01	-	0.07	0.08	0.00	-	-	0.12	0.86	0.26	0.13	0.01	0.05	0.05	1.66	
7.01~10.00	-	-	-	-	-	-	-	-	-	0.01	0.21	0.01	0.01	-	-	0.00	0.24	
10.01~13.00	-	-	-	-	-	-	-	-	-	-	0.01	-	-	-	-	-	0.01	
13.01~18.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18.00<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	6.29	3.50	2.64	2.80	4.18	3.49	1.96	0.97	0.85	3.66	9.82	9.18	5.18	3.35	5.60	8.64	100.00	
Joint Frequency Distribution of Stability and Direction in Fractions																		
Stab	Calm	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
A	0.09	0.31	0.46	0.49	0.44	0.55	0.65	0.35	0.12	0.13	0.46	0.73	0.47	0.22	0.15	0.34	0.30	6.25
B	0.09	0.23	0.20	0.20	0.22	0.29	0.33	0.19	0.07	0.07	0.24	0.45	0.30	0.15	0.09	0.20	0.24	3.54
C	0.16	0.25	0.22	0.18	0.20	0.25	0.29	0.18	0.09	0.02	0.20	0.41	0.27	0.15	0.07	0.20	0.25	3.39
D	2.24	1.52	1.11	0.74	0.82	1.38	1.02	0.64	0.27	0.22	1.16	2.99	1.93	1.25	0.72	1.75	2.39	22.16
E	10.69	2.83	0.99	0.71	0.91	1.51	1.08	0.54	0.38	0.36	1.42	3.60	4.14	3.11	2.23	2.71	3.97	41.19
F	12.84	1.02	0.49	0.30	0.19	0.17	0.10	0.05	0.04	0.04	0.17	1.49	1.87	0.27	0.08	0.38	1.35	20.86
G	1.79	0.13	0.04	0.02	0.02	0.01	0.01	0.01	0.00	0.01	0.01	0.14	0.20	0.03	0.01	0.02	0.14	2.59
Total	27.89	6.29	3.50	2.64	2.80	4.18	3.49	1.96	0.97	0.85	3.66	9.82	9.18	5.18	3.35	5.60	8.64	100.00

표 9. 계속 (Continued)

통계기간 : 2009/01부터 2009/12까지 관측높이 : 지상 10m 관측횟수 : 52278 (99.46 %) 결측횟수 : 282 (0.54 %) 합 계 : 52560																		
Joint Frequency Distribution of Wind Speed and Direction in Fractions(For Xoqdoq): Atmospheric Stability Class All																		
U (m/s)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total	
Calm																	53.22	
0.22~ 0.50	1.48	0.69	0.49	0.79	0.62	0.37	0.29	0.21	0.22	0.67	1.28	1.55	0.76	0.61	0.81	1.36	12.18	
0.51~ 0.75	1.12	0.56	0.35	0.46	0.43	0.17	0.11	0.08	0.12	0.50	0.89	0.83	0.48	0.48	0.53	0.90	8.01	
0.76~ 1.00	1.06	0.45	0.29	0.43	0.23	0.10	0.10	0.07	0.06	0.42	0.81	0.68	0.42	0.34	0.39	0.69	6.56	
1.01~ 1.50	1.65	0.77	0.41	0.68	0.27	0.11	0.06	0.07	0.08	0.77	1.14	0.80	0.56	0.52	0.46	1.05	9.40	
1.51~ 2.00	0.86	0.42	0.24	0.39	0.14	0.06	0.02	0.03	0.02	0.55	0.67	0.50	0.33	0.19	0.24	0.51	5.19	
2.01~ 3.00	0.43	0.18	0.11	0.16	0.05	0.03	0.01	0.01	0.00	0.78	0.92	0.51	0.26	0.10	0.15	0.40	4.08	
3.01~ 5.00	0.05	-	0.01	0.03	0.00	-	-	-	-	0.37	0.57	0.16	0.04	0.01	0.01	0.06	1.31	
5.01~ 7.00	-	-	-	-	-	-	-	-	-	0.02	0.03	0.00	-	-	-	-	0.05	
7.01~10.00	-	-	-	-	-	-	-	-	-	0.00	-	-	-	-	-	-	0.00	
10.01~13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13.01~18.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18.00<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	6.65	3.07	1.91	2.95	1.73	0.84	0.58	0.46	0.50	4.09	6.31	5.03	2.85	2.25	2.58	4.97	100.00	
Joint Frequency Distribution of Stability and Direction in Fractions																		
Stab	Calm	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
A	0.85	0.37	0.50	0.53	0.55	0.45	0.25	0.20	0.12	0.13	0.65	0.64	0.35	0.10	0.09	0.17	0.30	6.26
B	0.88	0.28	0.20	0.17	0.27	0.17	0.09	0.09	0.06	0.04	0.32	0.42	0.18	0.06	0.06	0.08	0.19	3.54
C	0.96	0.28	0.22	0.17	0.21	0.16	0.10	0.04	0.05	0.04	0.24	0.36	0.17	0.07	0.04	0.07	0.22	3.39
D	7.11	2.17	1.23	0.60	0.98	0.53	0.23	0.18	0.12	0.13	1.53	2.20	1.37	0.73	0.49	0.73	1.83	22.16
E	22.67	3.03	0.83	0.40	0.91	0.41	0.15	0.07	0.11	0.15	1.30	2.16	2.24	1.83	1.56	1.47	1.91	41.20
F	18.31	0.49	0.08	0.02	0.01	0.02	0.02	0.01	0.00	0.01	0.04	0.50	0.70	0.06	0.01	0.06	0.52	20.86
G	2.44	0.03	0.01	0.01	0.02	0.00	-	-	-	-	-	0.04	0.02	0.00	-	0.00	0.02	2.59
Total	53.22	6.65	3.07	1.91	2.95	1.73	0.84	0.58	0.46	0.50	4.09	6.31	5.03	2.85	2.25	2.58	4.97	100.00

제 3 장 결론 및 건의사항

2009년의 기상관측률은 99.5 %로 매우 안정적인 운영을 기록하였다. 주 풍향, 정온상태의 분포, 평균 풍속, 온도, 습도 등은 모두 전년에 비해 큰 차이가 없는 것으로 나타났다. 백엽상에서 관측된 여름의 최고기온은 전년의 33.2 °C에 비해 32.1 °C로 1.1 °C 낮아지고 겨울 최저기온은 전년의 -13.5 °C에 비해 -13.9 °C로 0.4 °C 낮아졌으며 연평균 기온은 전년의 12.4 °C에 비해 12.1 °C로 0.3 °C 낮아졌다. 강우량은 982.2 mm로 전년의 953.6 mm에 비해 28.6 mm 증가하였다.

다목적연구용 원자로인 하나로, 폐기물 처리시설 및 한국원전연료주식회사가 위치하고 있는 대덕원자력부지는 지형 특성상 보다 많은 양의 기상관측과 분석을 필요로 한다. 다행히 주기상탑과 더불어 한국원전연료주식회사의 보조기상탑에서 관측하는 기상자료가 실시간으로 입력되므로 보다 상세한 기상자료를 얻을 수 있게 되었으나 두 기상탑의 거리가 멀지 않아 이 관측값만으로 복잡한 지형에서의 대기 운동을 분석한다는 것은 무리가 있다.

혼합층의 높이 측정을 위한 Radiosonde와 고층기상관측시스템인 SODAR를 운영하고 이로부터 얻어지는 자료를 함께 분석한다면 보다 정확하게 주변환경에 대한 영향을 파악할 수 있게 될 것이며, 이는 부지내 원자력관련시설들의 운영중 방사선 환경영향평가뿐 아니라 사고에 대비한 비상방재를 위해서도 꼭 필요한 일이다.

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서 지 정 보 양 식					
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비밀여부	공개(√), 대외비(), 급비밀		보고서종류	기술보고서	
연구수행기관	한국원자력연구원		계약 번호		
초록 (300 단어 내외)					
<p>원자력시설주변 환경방사선평가 과제의 일환으로 기상탑을 운영하고 점검 및 보수, 기상관측기기의 교정 및 보수를 실시하였다. 67m, 27m, 10m 높이에서의 풍향, 풍속, 온도, 습도와 지표상에서의 온도, 습도, 기압, 일사량, 강우량, 시정거리 등의 관측자료를 수집하였으며 수집된 자료를 통계처리하여 분석하였다. 연간 바람관측자료를 분석하면 67m에서는 북풍, 27m에서는 북북서풍, 10m에서는 북풍이 탁월풍으로 나타났으나 전반적으로 북풍과 남서풍 계열의 바람이 우세하였다. 연간 정온상태(calm)는 67m에서 27.2%, 27m에서 27.9%, 10m에서 53.27%였다. 수집된 자료는 무선 모뎀을 통하여 기상정보 처리 시스템에 전달되며 이는 정상가동 및 사고시 환경영향평가 시스템과 on-line으로 연결되어 기상자료의 실시간 이용이 가능하다.</p>					
주제명 키워드 (10단어 내외)					
기상탑, 기상정보처리, 기상자료처리, 환경영향평가					

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Abstract (About 300 Words)					
<p>Inspection and repair of tower structure and lift, instrument calibration have been done in the scope of "Environmental Radiation Monitoring Around the Nuclear Facilities" project.</p> <p>Wind direction, wind speed, temperature, humidity at 67m, 27m, and 10m height and temperature, humidity, atmospheric pressure, solar radiation, precipitation, and visibility at surface have been measured and analyzed with statistical methods.</p> <p>At the site, the prevailing wind directions were N at 67m, NNW at 27m, and N at 10m height, but SW were also dominant with N at all heights. The calm distributed 27.2% at 67m, 27.9% at 27m, 53.2% at 10m height.</p> <p>Wireless data transmission to MIPS(Meteorological Information Processing System) has been done after collection in the DAS where environmental assessment can be done by the developed simulation programs in both cases of normal operation and emergency.</p>					
Subject Keywords (About 10 Words)					
<p>meteorological tower, meteorological information processing, meteorological data processing, dose assessment</p>					