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남극 세종기지 기상관측 자료의 통계
분석을 통한 자료집 작성과
특징연구(1988~1993)

Characteristics and compilation of the meteorological
data obtained from King Sejong Station,
Antarctica(1988~1993)

1996. 3.

한 국 해 양 연 구 소

제 출 문

한국해양연구소 소장 귀하

본 보고서를 '남극 세종기지 기상관측 자료의 통계 분석을 통한 자료
집 작성과 특징연구(1988~1993)' 과제의 최종보고서로 제출합니다.

1996년 3월

연구책임자 : 이방용

요 약 문

I. 제 목

남극 세종기지 기상관측 자료의 통계 분석을 통한 자료집 작성과
특징연구(1988~1993)

II. 연구 목적 및 중요성

우리나라가 남극지역에서 자체적인 관측소를 설치하고 기상현상을 관측하기 시작한 것은, 만 8년전인 1988년 2월 남극 킹조지섬에 세종기지를 개설한 후부터이다. 이후 현재까지 매년 단편적으로 세종기지의 기상자료를 정리, 분석하여 보고서로 발간하고는 있지만 좀더 체계적인 형태의 자료집을 만들고 이와 아울러 세종기지의 기상특징을 파악하는 것이 이 연구의 중요한 목적이라 할 수 있다.

여기서 작성된 자료집은, 기상분야는 물론 세종기지 주변을 연구 대상 지역으로 하는 타 분야에 대한 기초자료로서 그 활용성이 클 것으로 기대되며, 나아가 향후 연구수행과 야외조사의 설계에도 제 몫을 할 것으로 사료된다.

III. 연구 내용 및 범위

이 연구에서는 남극 세종기지에서 관측한 기상자료를 통계 처리하여 누구나 쉽게 활용할 수 있고 이해할 수 있도록 하는 자료집의 발간과 아울러 그동안 세종기지에서 나타난 기상현상을 체계적으로 정리하여 향후 관련분야 연구에 기본적인 참고자료로서의 역할을 수행할 수 있도록 하는 것이 근본 목표이다. 이를 위하여 1988년부터 1993년까지 6년간의 세종기지 기상관측 자료를 수집, 정리하여 통계 처리를 통한 기본 작업과 이의 분석과 각종 기상현상을 세밀히 파악하여 체계적인 자료집을 작성하였다.

이 연구에서 수행한 내용은 다음과 같다.

- 1) 세종기지의 기상관측 자료의 수집 및 정밀화 작업
- 2) 통계 프로그램을 이용한 일별, 월별, 년별 자료의 평균값, 극값의 생성
- 3) 각종 기상현상(자동관측 및 목측 자료 이용)의 발생일수 표현

IV. 연구 결과 및 제언

남극 세종기지에서는 1988년 2월부터 현재까지 기상관측 자료를 매 10분 간격으로 출력해 내고 있다. 이러한 자료들은 현지기압(hPa), 기온(°C), 풍향·풍속(16방위·m/s), 상대습도(%), 눈점온도(°C), 강수량(mm), 구름(octas), 적설량(cm), 수평면 일사량(MJ/m²), blizzard와 그리고 각 기상현상의 관측 항목들로 구성되어 있으며, 항목별로 평균값, 극값, 극값 발

생시간, 누적값 등으로 계산되고 있다. 자료들은 구름, 적설량, blizzard와 기상현상 등의 목적 항목을 제외하고는 관측 노장에 설치된 각 센서로부터 보내진 신호를 data logger에서 받아 각 항목별로 단위 생산을 위해 프로그램된 계산 방식에 따라 터미널과 프린터에 출력되고 있는 바, 관측자에 의해 일차적인 raw data의 수정작업(간혹 센서와 logger를 거치는 동안 자료가 손실되거나 이상값이 출력됨)을 거쳐야만 사용가능한 이차 raw data가 생산된다.

따라서 이 연구에서는 그동안 세종기지에서 획득된 이러한 이차 raw data를 수집, 점검하여 최종적인 시간별 자료를 구하여, 처리 프로그램에 입력 자료로서 활용하였다. 이후 프로그램 처리과정을 거쳐 나온 자료를 토대로 일별, 월별, 년별 자료를 작성하며, 자동관측이 아닌 목적 자료는 해당 일의 관측 일지를 참고하여 재 편집하였다. 또한 일정에 따른 각 기상현상(안개, 눈, 비, 진눈깨비, 박무, 유빙, blizzard 등)을 발생일수 및 이의 누계값별로 정리하였다. 이러한 결과는 매년 매월단위로 표로써 자세히 나타내었다.

SUMMARY

I. Title

Characteristics and compilation of the meteorological data obtained from King Sejong Station, Antarctica(1988~1993)

II. Significance and Objectives of the Study

Meteorological observation at King Sejong Station was carried out from February in 1988. Since then, some meteorological data reports which are observed and analyzed at the Station are published through an annual report. Those reports, however, are so fragmentary as to not represent and/or understand annual data simultaneously. Therefore, goals of this study are to arrange those scraps systematically, and to understand characteristics of meteorological phenomena at the Station.

III. Scope of the Study

- Detailed investigation of the meteorological data at King

Sejong Station from 1988 to 1993

- Production of average and extreme values of daily, monthly, annual data using a statistic program
- Presentation of the number of days of the weather phenomenon

IV. Results and Further Suggestions of the Study

At King Sejong meteorological observatory, the surface meteorological data are being acquired using the automatic system and the visual observations are also carried out since February in 1988. Data are automatically displayed, printed and saved to PC at every 10 minutes. Visual observations are performed every hour or on demand.

Automatical observation elements are composed of wind, air temperature, station level air pressure, dewpoint temperature, horizontal global solar radiation, precipitation, UV radiation and IR radiation. These data are calculated as type of average, maximum, minimum, occurrence time of daily data. Elements of visual observations are consisted of meteorological phenomena of visibility, snow, fog, rain, cloud, blizzard, etc.

All raw data including physical or mechanical errors from each sensors to data logger are copied and saved to data storage system

simultaneously. Therefore, observer must check the accuracy of data, and discard and/or correct those data containing error.

In this study, meteorological data during the period from 1988 to 1993 are collected and checked. And analyzed data are produced daily, monthly and annually as type of tables presented in this study using the computing program.

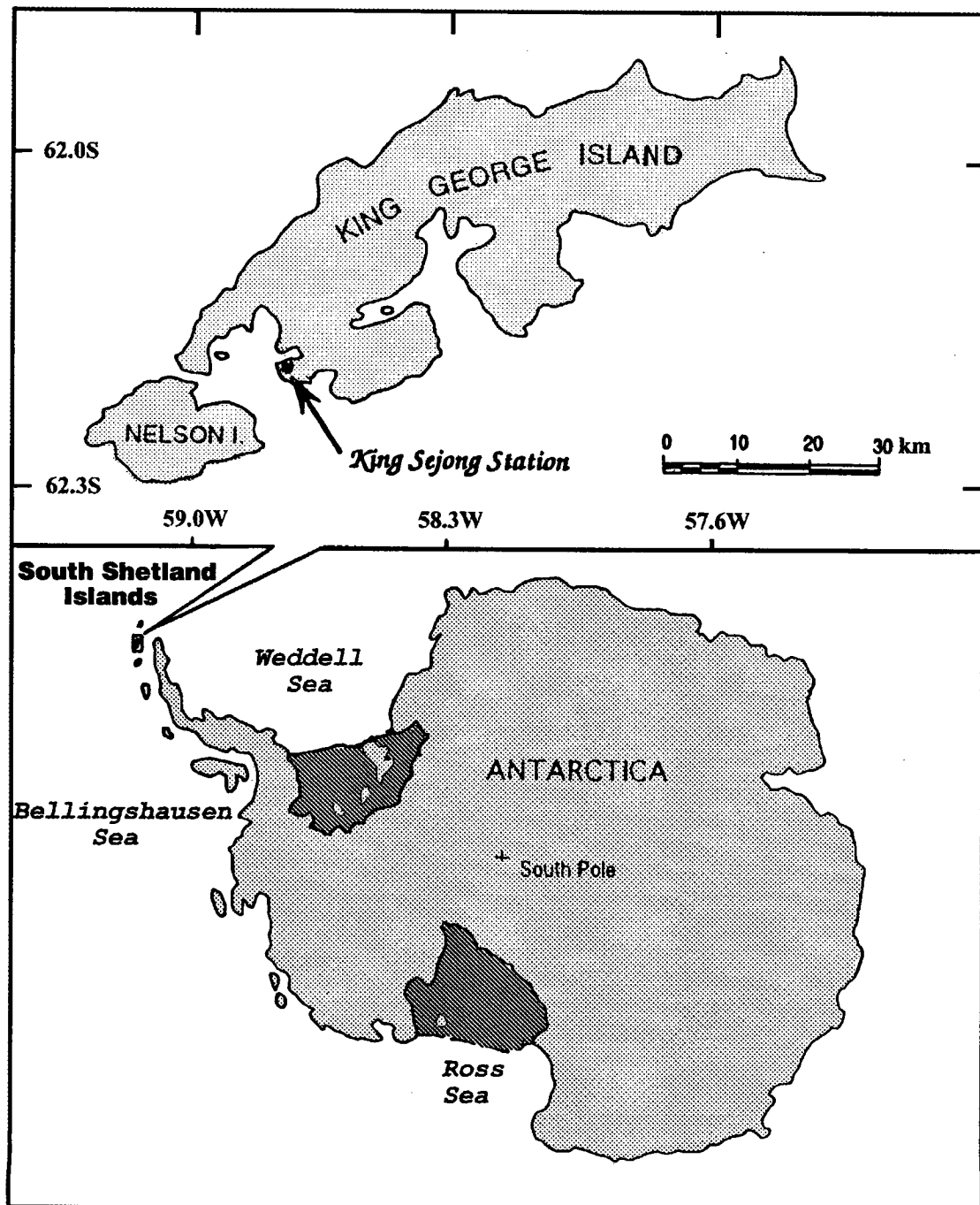
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STATION MAP



REGULAR OBSERVATIONS AND LONG-TERM MONITORING

KING SEJONG STATION (WMO INDEX No. 89251)
ELEVATION: 9.85M / COORDINATES: 62 ° 13'S, 58 ° 47'W

A. BRIEF METEOROLOGICAL ACTIVITIES AT KING SEJONG STATION

1. AUTOMATIC OBSERVATION: EVERY 30 MINUTES OUTPUT INTERVAL BY AUTOMATIC METEOROLOGICAL OBSERVATION SYSTEM (AMOS)

2. DATA TRANSMISSION: THREE TIMES PER EVERY DAY

- 00 UTC
- 12 UTC
- 18 UTC

→ TO CHILEAN ANTARCTIC FREI BASE [USB3100kHz, VOICE]

3. OBSERVATION AND RECORDING TYPE OF EACH ELEMENTS

- AUTOMATIC OBSERVATION

- WIND SPEED(m/s) : Ave., Max., Max. Time
- WIND DIRECTION(deg) : Resultant Vector
- TEMPERATURE(°C) : Ave., Max., Max. Time
Min., Min. Time
- RELATIVE HUMIDITY(%) : Ave., Min., Min. Time
- DEW POINT TEMPERATURE(°C): Ave.
- PRESSURE(hPa) : Ave., Max., Max. Time
Min., Min. Time
- PRECIPITATION (mm) : Accumulated Total
- HORIZONTAL GLOBAL SOLAR RADIATION(ly/min) : Ave.

- VISUAL OBSERVATION (ACCORDING TO WMO REFERENCE)

- CLOUDS : Amount(octas), Type, Height
- VISIBILITY : Visible Distance(km)
- STATE OF SEA AND GROUND
- FLOATING ICES : Marian Cove and Maxwell Bay
- ACCUMULATED SNOW(cm)
- METEOROLOGICAL PHENOMENA AND ETC.

4. WEATHER CHART RECEIVING

- TWO TIMES PER EVERY DAY (11 UTC, 23 UTC) FROM CHILE
- FREQUENCY : 4767.0kHz, 8677.0kHz (DURING WINTER TIME)
12741.0kHz, 17146.4kHz (DURING SUMMER TIME)
- REGION : LAT. 10~80 ° S, LONG. 0~140 °W

5. DATA HANDLING

- MICROCASSETTE TAPES, HARD AND SOFT COPIES
- DAILY, TEN DAYS AND MONTHLY DATA PROCESSING
- TEN DAYS DATA TRANSMIT TO KORDI, KOREA (FAX)
- DATA TRANSMIT TO FREI BASE AS THREE TIMES/DAY (VOICE)
- MONTHLY AND ANNUAL REPORT PRODUCTION

B. SYNOPTIC OBSERVATIONS

1. SURFACE WEATHER OBSERVATIONS

- ☞ AUTOMATIC METEOROLOGICAL OBSERVATION SYSTEM (AMOS):
MACRO 20 REMOTE DATA ACQUISITION SYSTEM (M1160) BY QUALIMETRICS
20 SENSOR (16 ANALOG, 4 DIGITAL), PROGRAMMABLE INPUT TYPES
RS232-COMPATIBLE TELEMETRY OUTPUT TYPES

- ☞ 30 MINUTES OUTPUT INTERVAL (1988~1992)
- ※ OUTPUT INTERVAL OF ALL OBSERVATION ELEMENTS EXCEPT PRECIPITATION IS CHANGED FROM 30 INTO 10 MINUTES SINCE JANUARY OF 1993.

- ☞ AIR TEMPERATURE
 - TEMPERATURE PROBE (ACCURACY $\pm 0.10^{\circ}\text{C}$)
 - 3-ELEMENTS COMPOSITE LINEAR THERMISTOR ($-50^{\circ}\text{C} \sim 50^{\circ}\text{C}$)

- ☞ RELATIVE HUMIDITY
 - RH PROBE (ACCURACY ± 2 TO $\pm 3\%$)
 - THIN FILM CAPACITOR (0~100%)

- ☞ STATION LEVEL AIR PRESSURE
 - PRECISION ANALOG OUTPUT BAROMETER (ACCURACY $\pm 0.3\text{hPa}$)
 - VARIABLE CAPACITANCE CERAMIC CYLINDER (600~1100hPa)

- ☞ WIND SPEED AND DIRECTION
 - SKYVANE SYSTEM WITH 4 DE-ICING LAMPS (ACCURACY $\pm 0.4\text{m/s}$, $\pm 2^{\circ}$)
 - 4-BLADE PROPELLER, DC GENERATOR (0~90m/s)
 - COUNTERBALANCED TAIL (0~360 °)

- ☞ PRECIPITATION
 - ELECTRICALLY HEATED RAIN/SNOW GAUGE (ACCURACY 0.5% AT 0.5"/HR)
 - TIPPING BUCKET TYPE (UNLIMITED)

- ☞ DEWPOINT TEMPERATURE
 - DEWCELL PROBE (ACCURACY $\pm 1.0^{\circ}\text{C}$)
 - THERMISTOR COMPOSITE ($-40^{\circ}\text{C} \sim 50^{\circ}\text{C}$)

- ☞ VISIBILITY, CLOUDS, STATE OF SEA AND GROUND
 - VISUAL OBSERVATION: HOURLY AND/OR ON DEMANDS

- ☞ WEATHER SURFACE CHART ANALYSIS (ALDEN M9519)
 - ANALOG/DIGITAL WEATHER GRAPHIC CHART RECORDER:
 - CHART RECEIVE FROM METEOROLOGICAL SERVICE OF CHILE
 - FREQUENCY RANGE (80kHz TO 29,999MHz)
 - RECEPTION SELECT MODE (USB, LSB, AM DOUBLE SIDEBAND)

2. RADIATION ENERGY MEASUREMENTS

☛ GLOBAL SOLAR RADIATION ON A HORIZONTAL SURFACE

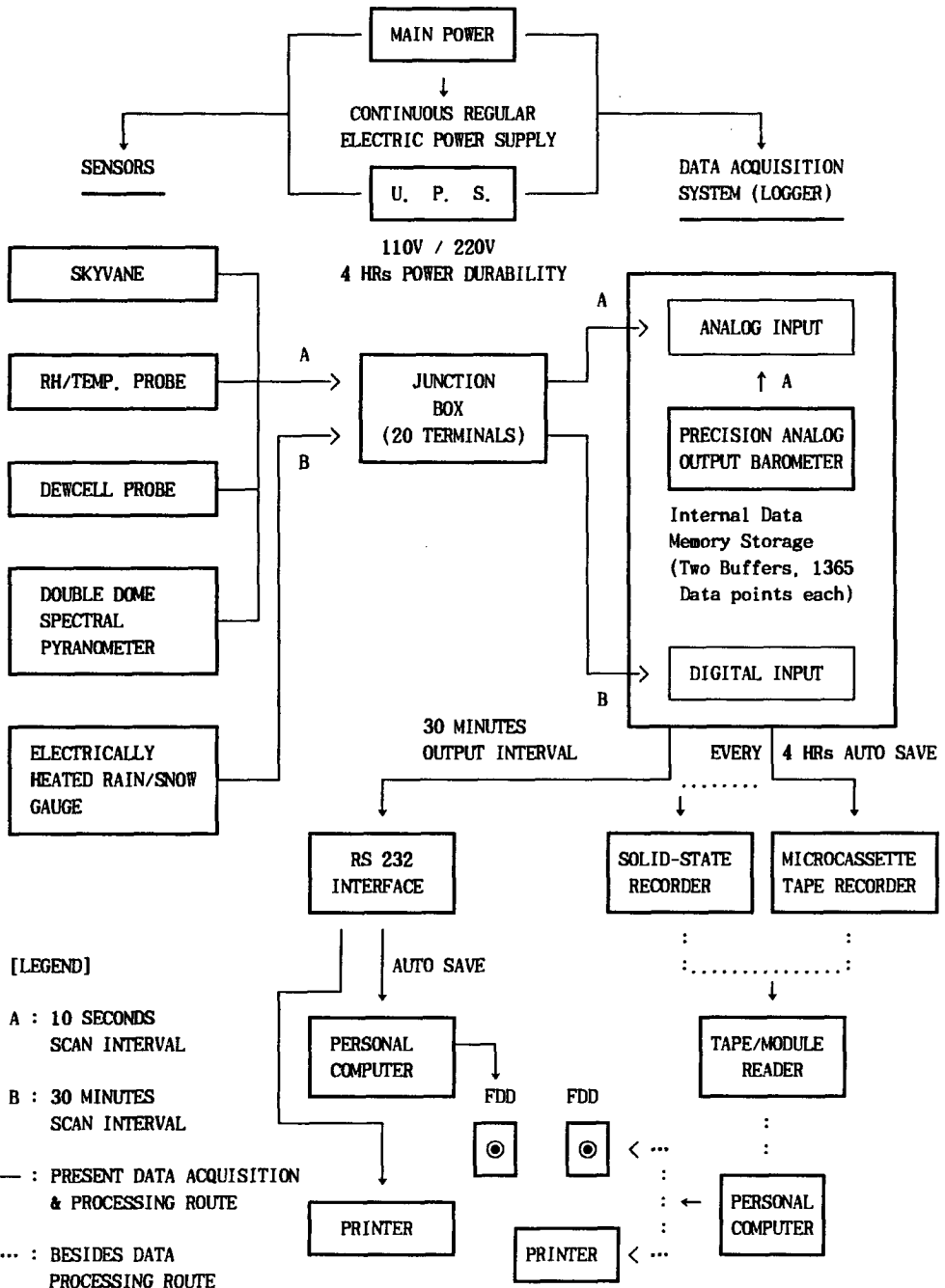
30 MINUTES OUTPUT INTERVAL (AVERAGE VALUE):

EPPLEY TYPE DOUBLE SPECTRAL PYRANOMETER (ACCURACY 6mv/ly/min)

MULTIJUNCTION COPPER-CONSTANTAN, CIRCULAR TYPE (0.285~3 μ m)

SCHOTT OPTICAL GLASS (WG7)

AUTOMATIC METEOROLOGICAL OBSERVATION SYSTEM



I. 서 언

우리나라의 남극 세종기지는 지난 1988년 2월 17일, 남극반도 북부 킹 조지섬의 바튼반도에 건설되었다. 이와 때를 같이하여 세종기지 주변의 기상현상을 관측하기 시작하였다. 세종기지에서의 기상관측은 10미터 높이의 관측탑 최상단에 설치한 풍향·풍속계를 비롯하여 온/습도계, 눈점 온도계, 강수량계, 기압계와 그리고 수평면 전천일사량계 등의 센서로부터 10초마다 scanning하여 10분마다 data logger에 저장되는 자동관측 방식으로 수행되고 있다. 이외에 구름, 시정, blizzard, 바다의 상태 등 수시로 발생하는 기상현상에 대해서는 관측자가 목측으로 매시간 또는 수시로 관찰, 기록하고 있다.

세종기지의 기상관측소($62^{\circ} 13'S$, $58^{\circ} 47'W$)는 1989년 1월에 세계기상기구(WMO)의 정규 지상관측소로 등록(WMO Index No. 89251)되었다.

남극 세종기지에서의 기상관측 업무 및 이에 대한 연구조사를 수행하고 있는 목적은, 비록 지상의 기상현상에 대해서만 관측하고 있지만, 일반 기상관서에서 수행하고 있는 기상관측 목적과 마찬가지로 지상에 있어서 시시각각으로 변화하는 기상요소와 기상현상에 관하여 목측 또는 측기를 사용하여 관측한 기상관측값을 서로 비교 분석하기 위하여 일정한 시각에 기상요소를 관측하고 국제 기상통보식에 따라 국제적으로 자료를 교환하여 현재의 기상실황을 파악함에 있다. 또한 이와 동시에 다시 이것을 분석하여 기후조사를 위한 통계자료나 기상학을 연구하는데 필요한 자료

를 얻기 위함이다. 특히 남극 세종기지의 지역적, 환경적 특수한 상황에 비추어 볼 때, 기지에서 의 기상관측 자료는 타 연구분야에 중요한 참고자료로서 활용 가능하며, 기지 대원들의 실생활이나 야외업무를 수행하는데 일종 지표로서 활용될 수 있다는데에 더욱 가치가 있다고 생각된다.

이러한 목적을 구체화시키기 위하여 지난 1988년 2월부터 1993년 12월 까지 매년 단편적으로 정리, 보고된 자료를 포함한 이외에 자료를 보다 체계적으로 정리, 분석하여 기상년보를 발간하기에 이르렀다. 연보는 그 동안에 확보된 raw data를 체계있게 정리하고, 매일의 관측일지를 참고하여 각 기상요소에 대한 평균값과 극값, 발생시간과 목적항목에 대한 현상일수 등에 대해 표로써 일별, 월별로 매년 나타내었다.

한편, 자료의 신뢰성을 높이기 위하여, 센서의 고장 또는 기계적인 오작동으로 발생한 error data는 삭제와 교정장비에 의한 자체 보정 및 수동 관측으로 비교측정한 이후의 정확한 자료만을 사용, 분석하였으며, 제시한 표에서 이러한 자료를 보다 알기쉽게 파악할 수 있도록 본 단락 뒤에 별도의 '일러두기'를 두었다. 또한 불분명한 자료나 손실자료는 '관측 못함(*)'으로, 현상 자체가 발생하지 않았을 때는 '현상없음(-)'으로 별도 표시하였다.

다만, 강수량은, 기지에서 비나 눈의 강수 현상이 있을 때는 대부분 강한 바람과 함께 발생하기 때문에 강우현상이 있거나 신적설 현상이 있었다 하더라도 그 양이 제대로 기록되지 않는 문제점이 있어, 강수량계로 기록된 자료중 믿을만한 것만 선택, 정리하였으므로 다소 오차가 있을 수 있음을 밝혀둔다.

신적설은 어떤 특정한 기간동안에 새로 내려 쌓인 눈의 깊이를 말하는

데, 기지주변의 약 15개 지점에서 눈이 내릴때마다 측정하여 평균한 값으로 나타내었으며, blizzard 발생시에 지면에 쌓인 눈에 대해서는 대부분 다른 지역의 지면에서 날린 눈이 기지로 날려와 쌓인 것으로 판단되어 그 양 자체를 신적설량으로 표현하지는 않았다. 이러한 현지의 특수한 상황으로 인해 강수량과 신적설량 누적값에 다소 오차가 있을 수는 있지만, 전반적인 추세 파악에는 커다란 장애가 없을 것으로 판단된다.

기상현상에 대해서는 각 현상이 발생한 날에 대해서 'v'로 표시하고 각 현상의 전체 일수를 매월 나타내었으나, 각 현상의 발생과 소멸시간은 별도 표시하지 않았으며 짧은 시간동안이라도 현상이 관측되었으면 해당 일에 그 현상이 있었음을 표시하였다.

이 보고에서 사용한 표현 방식은 대부분 기상청에서 발행되는 연, 월보를 참고로 하였으나, 세종기지만의 기상자료 취급과 현지 관측업무 형편에 따른 목적의 제한성 등의 몇몇 요인을 고려한 결과, 그 방식을 그대로 따르지는 못하고 나름대로의 항목을 필요성에 따라 가감하여 표현하였다. 이외에 월별 바람장미, 연별 기상개요 등 몇가지 항목이 누락되었으나 이는 정리되는대로 추후 삽입하여 보완편을 재발행할 계획이다.

혹시 자료를 참고하는데 있어서 의문이나 오자 발견시 지체없는 연락을 기다리며, 미흡하나마 세종기지의 기상자료집을 펼쳐나가기로 한다.

일 러 두 기

INTRODUCTORY NOTE

1. 이 자료집에 표시된 시각은 칠레 표준시(60° W 자오선 기준)에 따른 것으로서, 칠레 표준시는 GMT-4시간에 해당한다. 일계는 1일 24시간제에서 00시를 기준으로 하였다. 단, 1993년 1월 30일부터 12월 21일까지는 GMT 관측 자료로 표시되었다.

In this report, the time stated is Chilean Local Standard Time(60° W, GMT-4hours) given in a 24 hour system beginning at midnight. But, the time observed during the period from the 30th January to the 21st December of 1993 is GMT.

2. 현지기압, 기온, 풍속, 상대습도, 눈점온도 등의 일 평균값은 10초마다 자동 관측된 값의 전체 평균값이며, 풍향은 0° ~ 360° 의 방향에 대한 일 벡터 합성값의 16방향이다.

Daily averages for station level air pressure(hPa), air temperature (°C), wind speed(m/s), relative humidity(%) and dewpoint temperature (°C) are derived from observation measured at every 10 seconds scanning interval by Automatic Meteorological Observation System(AMOS). Daily wind direction, given in 16 directions, is a vector summation of each measurements.

3. 현지기압은 세종기지 연구실내에 설치된 아나로그 바로미터로 측정되며 단위는 hPa이고, 평균 해수면 고도 9.85m의 높이에서의 값이다.

Station level air pressure is measured by Precision Analog Output Barometer and given in hPa at 9.85m above mean sea level in the laboratory.

4. 기온과 상대습도는 관측탑의 지상 약 2m되는 높이에 설치된 RH/Temperature Probe로 측정되며, 0℃ 이하의 값은 음의 부호로써 표시하였다. 늦점온도는 백엽상안 지상 약 2m되는 높이에 설치된 Dewcell Probe로 측정되며, 0℃ 이하의 값은 음의 부호로써 표시하였다.

Air temperature and relative humidity are measured by RH/Temperature Probe at about 2m above the ground level on the meteorological tower, and the values below 0℃ are shown with negative sign. Dewpoint temperature is measured by Dewcell Probe at about 2m above the ground level in the shelter, and the values below 0℃ are shown with negative sign.

5. 강수량의 단위는 밀리미터(mm)이며, 00~24시의 강수량 합계를 1일부터 해당 월 말일까지의 합계로 표시하였다.

Precipitation is given in millimeters(mm). The 00~24h total is the value measured from the first day to the last day every month.

6. 바람은 지상 약 10m되는 높이의 관측탑 상단에 설치된 프로펠러식 Skyvane으로 풍향과 풍속을 측정한다. 풍향은 16방향, 풍속은 초당 미터(m/s)로 표시하고, 순간최대풍속은 어느 임의의 한순간에 나타난 풍속중 최대값이며 이때 풍향을 16방향으로 나타내었다.

Wind direction and speed are measured by Skyvane with propeller and tail at about 10m above the ground level on the meteorological tower.

Wind directions are given in 16 directions. Wind speeds are given in meters per second(m/s). The greatest gust is the greatest instantaneous wind speed recorded.

7. 운량은 하늘 전체를 8로 하여 구름으로 덮여 있는 부분을 하늘 전체에 대한 8분수로 표시하였고, 관측이 불가능한 경우에는 9로 표시하였다.

Cloud cover is the proportion of the sky obscured by cloud and measured in octas. When cloud cover can not be observed, number 9 is assigned to it.

8. 수평면 일사량은 에프리 일사계에 의한 것이다.

The global solar radiation on a horizontal surface is measured by Eppley double dome spectral pyranometer.

9. 적설은 지표면의 반 이상에 쌓인 눈의 깊이를, 신적설은 하루동안(00~24시) 새로 쌓인 눈의 깊이를 각각 센티미터(cm) 단위로 표시했으며, 신적설의 합계는 일별 신적설 최심값의 합계이다.

The depth of snow covered and snow fall represent the depth of each accumulated snow covered on a half or more area on the ground. The values are given in centimeters(cm) and snow fall is accumulated the fresh depth in a day. The total shows the sum of daily maximum snow fall.

10. 현상일수는 각 기상현상이 나타났던 일수이다. 폭풍설은 시정악화(약 150m 이하)와 풍속 14m/s 이상의 강한 바람이 눈보라와 함께 불었던 때의 시작과 끝난 시간(예: 0645는 6시 45분임) 및 지속시간(예: 2030은 20시간 30

분임)으로 표시하였다.

The phenomena on days represent the number of days when each weather phenomenon was occurred. Blizzards are strong winds exceeding 14m/s with much snow and bad visibility, and are given in hour and minute for start, end and duration time (Example, 0645 → 06:45).

11. 관측이 제대로 수행되지 않았거나 해당 현상이 없을 경우에는 각각 '*' 또는 '-'로써 표시하였다.

If there are no data available (including data missing) or no occurrence of phenomena at any date, those data are shown with signs of '*' or '-', respectively.

12. 풍향별 최대풍속(m/s) 및 풍향별 관측횟수의 백분율(0.1%)은 30분마다 출력된 값으로부터 얻어진 값을 방향별(16방향)로 구분해서 산출한 값이며, 풍속 0.2m/s 이하인 경우에는 '정온'으로 처리하였다.

The maximum wind speed(m/s) and the percentage(0.1%) of the number of frequency for each direction are derived from values of 30 minutes interval output. When wind speed is less than 0.2m/s, it is given as 'calm'.

남극 세종기지 기상년보

ANNUAL WEATHER REPORT ANTARCTIC KING SEJONG STATION



1988

한국해양연구소 극지연구센터
POLAR RESEARCH CENTER, KORDI

89251 남극 세종과학기지(King Sejong Station)

1988년 2월

요소 Element	일 Date												월 Month				
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	30
기압 평균 Ave. Station	992	1003	1000	996	992	1000	990	995	991	991	999	998	992	985	982		990
최고 Highest	985	981	992	1000	983	979	982	986	974	977	988	997	991	986			1005
압 (hPa)	996	1005	1003	998	995	1001	996	998	997	995	1001	1000	997	991	984		2일
나타난 시간 Time	987	985	997	1002	992	985	983	989	975	980	993	998	996	990			
	관측못함(NO DATA AVAILABLE)																
최저 Lowest	989	1000	998	993	990	999	987	991	988	989	996	994	990	981	980		973
Air Press.	982	980	988	998	976	975	981	980	973	975	982	995	987	983			24일
	관측못함(NO DATA AVAILABLE)																
기온 평균 Average	1.8	1.0	1.8	1.8	1.1	1.6	1.8	2.2	2.9	3.2	2.0	3.1	3.4	2.9	2.7		2.3
평균최고 Ave. Maximum	2.4	2.4	1.6	2.4	3.5	3.9	3.0	2.9	3.4	2.0	2.1	2.0	1.9	0.3			4.0
평균최저 Ave. Minimum																	1.0
온도	3.6	2.8	2.7	2.7	3.0	3.9	4.2	5.5	4.0	4.7	4.5	3.8	4.8	4.0	4.1		5.8
(℃)	4.6	3.9	2.9	4.2	5.2	5.8	4.9	4.6	4.6	3.6	4.1	4.0	3.2	1.4			21일
	관측못함(NO DATA AVAILABLE)																
최저 Lowest	0.3	-0.1	0.7	0.9	0.1	-0.3	0.4	-0.5	1.2	2.5	0.2	2.2	2.1	2.1	1.9		-0.9
Air Temp.	1.1	1.1	1.0	-0.3	1.6	2.0	2.2	1.3	3.0	1.1	1.2	0.5	0.7	-0.9			29일
	관측못함(NO DATA AVAILABLE)																
평균습점온도(℃)	관측못함(NO DATA AVAILABLE)																
Average Dewpoint Temperature	관측못함(NO DATA AVAILABLE)																

1988년 2월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.0	0.0	0.0	0.0	-	0.0	5.5	-	0.2	-	1.2	1.2	6.0	3.2	0.0	63.6	
Total Precipitation	1.9	1.0	0.0	3.2	7.0	10.0	1.7	12.0	6.0	1.5	-	-	0.0	0.0			
평 균 Average	93.	91.	86.	95.	88.	80.	89.	77.	93.	87.	90.	97.	97.	97.	96.	88.	
대 소 Lowest	87.	92.	93.	89.	90.	88.	87.	89.	88.	85.	86.	81.	85.	60.	93.	45.	
도 (1%) 나타난 시간 Time	89.	83.	83.	93.	83.	76.	85.	65.	84.	84.	81.	97.	95.	97.	93.	29일	
R. H.	84.	90.	92.	86.	88.	82.	83.	86.	81.	82.	80.	78.	82.	45.			
관측못함(NO DATA AVAILABLE)																	
평 균 24 hour ave.	5.4	4.7	3.8	2.9	7.7	3.4	4.6	3.3	5.7	8.4	6.4	5.7	6.4	6.6	4.3	5.7	
합 성 풍 향 Direction	4.5	4.0	2.9	5.4	9.3	9.8	5.5	5.9	8.3	4.2	4.3	5.0	7.0	9.8	W/NW	W/NW	
순 간 최 대 Greatest Gust	ESE	E	NW	NW	ESE	W	W	W	W	WSW	N	WNW	WNW	NW	WNW	W/NW	
(m/s) 풍 향 Direction	NNW	NNW	ESE	N	NNE	NW	WNW	NNW	NW	NW	WNW	W	W	SW	W	12.8	
Wind	7.7	7.7	5.1	4.6	10.7	4.1	7.7	5.1	7.7	9.7	8.2	6.6	7.1	7.1	6.6	20일	
나타난 시간 Time	6.1	5.6	4.6	8.2	12.8	12.2	6.6	6.6	12.2	6.1	7.1	6.6	9.2	10.2			
관측못함(NO DATA AVAILABLE)																	
구름(1/8)	7.8	7.5	8.0	8.0	5.5	7.3	8.0	3.0	8.0	5.5	6.0	8.0	7.8	7.8	7.8	6.8	
Average Amount of Cloud	7.3	8.0	7.5	4.8	7.3	6.0	6.3	7.0	6.3	7.5	4.5	4.0	7.5	5.8			
폭풍설 시작 시간 Start Time																	
Blizzard																	
계속 시간 Duration of Blizzard																	
현상없음(NO OCCURRENCE)																	

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month

관측못함(NO DATA AVAILABLE)

수평면일사량(0.001MJ/㎡)
Hor. Global Solar Rad.

분	적 설 최 심 Max. Depth Snow Cover	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Snow	신적설 합 계 Total	0.0	0.0	-	-	0.0	0.0	-	-	-	-	-	-	-	-	-	-
(cm)	최 심 Max. Depth Fall 나타난 날 Date	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
기	맑 음 Clear																0
상	개 림 Partly Cloudy				v			v		v	v	v	v	v	v	v	9
현	흐 름 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	20
상	눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	4
	비 Rain								v	v	v	v	v	v	v	v	21
	진 눈 깨 비 Sleet	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	1
Meteo. Phenomena	안 개 Fog								v	v	v	v	v	v	v	v	4
	박 무 Mist	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	7
	유 빙 Drift Ice (Marian Cove/Maxwell Bay)																

관측못함(NO DATA AVAILABLE)

89251 남극 세종과학기지(King Sejong Station)

1988년 3월

요소 Element	일 Date																															월 Month							
	16	17	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31																				
기압 평균 Ave. Station	980	980	974	975	974	985	990	987	985	973	975	988	994	989	985	986																							
최고 Highest	972	982	990	989	983	984	986	997	996	982	984	990	999	998	1001	1010																							
압박 나타난 시간 Time	*	*	975	*	*	*	995	994	988	975	984	993	995	992	995	1012																							
(hPa)	976	983	992	993	985	986	987	997	996	989	988	992	1002	1002	1005	1012	31일																						
최저 Lowest	*	*	974	*	*	*	982	983	976	970	969	983	994	985	981	968																							
Air Press. 나타난 시간 Time	968	979	986	984	982	982	985	996	996	979	980	988	992	996	997	1005	16일																						
(hPa)																																							
기온 평균 Average	0.6	2.8	1.9	-1.3	-2.4	0.6	2.7	4.4	2.6	2.2	1.8	1.1	1.9	2.7	4.2	-0.1																							
평균 최고 Ave. Maximum	3.4	1.9	1.2	-3.3	-3.2	-4.5	-4.3	-3.8	-0.8	-4.7	-4.5	0.3	-0.8	-0.4	-2.0	-2.2																							
평균 최저 Ave. Minimum																																							
기온 최고 Highest	0.6	3.6	2.3	-0.2	-2.0	0.8	2.8	5.7	3.8	3.1	2.7	1.8	2.6	3.8	5.8	5.8																							
(℃) 나타난 시간 Time	4.7	2.6	1.8	-1.5	-3.0	-3.6	-4.2	-3.4	1.3	-1.1	-0.8	1.4	1.0	3.7	-0.4	-0.5	15일																						
(℃)																																							
Air Temp. 최저 Lowest	0.5	1.9	1.5	-2.3	-2.8	0.3	2.4	3.0	1.9	1.8	0.7	0.4	1.7	2.1	0.4	-6.8																							
나타난 시간 Time	2.6	1.0	0.5	-4.3	-3.5	-5.2	-4.5	-4.2	-1.5	-6.7	-6.8	-0.9	-2.6	-4.5	-3.5	-3.9	26일																						
(hPa)																																							
평균슬결온도(℃)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Average Dewpoint Temperature	-0.4	-0.1	0.1	-4.9	-6.3	-7.1	-7.9	-9.7	-3.9	-6.6	-6.5	-2.2	-2.9	-4.1	-6.1	-6.0																							

1988년 3월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	-	0.0	0.0	3.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.2	-	24.9
Total Precipitation	0.0	0.1	0.0	10.0	-	0.0	-	-	0.0	11.5	0.0	0.0	-	-	-	-	-
평 균 Average	*	*	*	*	*	*	89.	90.	80.	80.	74.	79.	83.	80.	80.	80.	?
최 소 Lowest	74.	82.	96.	90.	87.	86.	83.	70.	81.	91.	87.	87.	91.	80.	82.	83.	?
도 (1*)	69.	76.	94.	85.	84.	81.	81.	68.	71.	90.	78.	77.	87.	67.	76.	72.	?

관측못함(NO DATA AVAILABLE)

평 균 24 hour ave.	7.8	12.7	5.1	1.1	4.0	11.8	7.4	12.8	10.6	11.1	15.1	8.8	9.1	12.4	15.0	9.2
합 성 풍 향 Direction	16.2	9.6	5.2	17.9	10.9	10.8	7.0	6.7	2.4	17.5	9.7	8.1	3.1	4.9	7.1	4.5
순 간 최 대 Greatest Gust	10.0	18.0	10.0	2.0	10.0	14.0	10.1	20.0	18.0	21.0	22.4	13.4	11.9	23.1	23.0	31.9
풍 향 Direction	21.5	13.8	8.8	31.9	17.1	15.1	14.9	11.7	4.7	31.1	24.3	10.6	12.4	14.7	11.8	12.1
관측못함(NO DATA AVAILABLE)																
Wind 나타난 시간 Time																

구름(1/8)	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Average Amount of Cloud	8.0	8.0	8.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.6
폭풍설 시작 시간 Start Time																	
Blizzard																	
계속 시간 Duration of Blizzard																	4340

1988년 3월

요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month
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수평면일사량(0.001MJ/㎡)
Hor. Global Solar Rad.

관측못함(NO DATA AVAILABLE)

눈 Snow (cm)	적설최심 Max. Depth Snow Cover		1.0 0.0		20.0 10.0		6.0 0.0		0.0 10.0		0.0							
	신적설 합계 Total	최심 Max. Depth Fall	최심 Max. Depth	나타난 날 Date	합계 Total	최심 Max. Depth	나타난 날 Date	합계 Total	최심 Max. Depth	나타난 날 Date	합계 Total	최심 Max. Depth	나타난 날 Date	합계 Total	최심 Max. Depth	나타난 날 Date	합계 Total	최심 Max. Depth
맑음 Clear	-	-	0.0	3.0	-	-	-	-	-	-	0.0	0.0	-	-	-	-	-	69.0
개임 Partly Cloudy	-	-	-	35.0	-	0.0	-	-	0.5	30.0	0.5	-	-	-	-	-	-	35.0
흐림 Cloudy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19일
눈 Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
비 Rain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
진눈깨비 Sleet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
안개 Fog	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
박 Mist	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
유빙 Drift Ice (Marian Cove/Maxwell Bay)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

89251 남극 세종과학기지(King Sejong Station)

1988년 4월

요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
기압 평균 Ave. Station	1004	994	992	981	983	990	982	964	978	989	990	994	1006	1006	997	991	987	991	989	991	992	992	999	1009	1008	1003	1011	1011	1011	1011	991	
최고 Highest	1011	995	994	992	990	992	988	975	985	993	992	999	1009	1008	1003	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	1011	
압력 나타난 시간 Time (hPa)	0001	1408	0001	0001	*	*	*	*	*	2130	0030	2400	1530	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001		
기압 최저 Lowest	994	991	989	974	974	989	977	957	964	985	986	990	999	1003	992	997	979	980	987	987	985	985	977	979	980	987	987	987	987	987		
기압 나타난 시간 Time	2400	0523	0633	*	*	*	*	*	*	*	*	0900	1000	0030	2300	*	*	*	*	*	*	2400	2030	2130	0030	0900	0730	0730	0730	0730		
기온 평균 Average	0.1	0.5	0.3	0.2	-3.6	-0.5	1.4	-0.3	-5.7	-4.8	-1.3	-0.2	-1.3	-1.8	-0.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1		
기온 평균 최고 Ave. Maximum	2.1	2.2	2.2	0.3	0.2	-1.4	-2.9	-4.4	-6.4	-4.2	-3.7	-0.2	-0.4	0.8	0.7	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6		
기온 평균 최저 Ave. Minimum	0.7	2.5	1.3	0.7	0.3	0.5	1.9	0.4	-4.2	-2.4	0.6	1.6	0.2	-0.8	2.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4		
온도 나타난 시간 Time (°C)	1357	1217	0946	0940	*	*	*	*	*	1030	1530	1430	0130	0230	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
기온 최고 Highest	1130	1430	0300	1130	1000	1600	0500	1200	1430	2400	1030	2230	0230	0900	0930	0930	0930	0930	0930	0930	0930	0930	0930	0930	0930	0930	0930	0930	0930	0930		
기온 최저 Lowest	-1.9	-1.0	-0.8	-0.3	-7.1	-2.5	0.6	-1.1	-7.2	-6.2	-5.2	-2.5	-3.1	-2.6	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3		
기온 나타난 시간 Time	0001	2219	0001	0353	*	*	*	*	*	*	0030	0400	0830	1630	0130	0130	0130	0130	0130	0130	0130	0130	0130	0130	0130	0130	0130	0130	0130	0130		
평균습점온도 (°C)	-3.4	-1.9	-3.7	-1.7	-7.1	-4.7	-1.3	-3.6	-10.9	-10.2	-5.9	-3.9	-7.3	-5.0	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6		
Average Dewpoint Temperature	0.5	0.3	0.0	-1.2	-3.1	-5.4	-6.5	-10.2	-7.8	-7.0	-2.2	-3.2	-1.6	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0		

1988년 4월

요소 Element	일 Date																															월 Month		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31																	
강수량(mm)	0.6	1.5	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0	3.7				
Total Precipitation	83.	91.	82.	79.	87.	83.	75.	75.	77.	82.	71.	86.	91.	85.	88.	83.	84.	85.	90.	87.	89.	87.	88.	83.	84.	85.	90.	87.	89.	87.	88.			
평균 Average	91.	82.	71.	78.	71.	69.	81.	77.	59.	63.	69.	65.	56.	69.	89.	90.	83.	84.	85.	90.	87.	89.	87.	88.	83.	84.	85.	90.	87.	89.	87.			
최소 Lowest	90.	85.	81.	87.	87.	86.	87.	72.	77.	73.	83.	73.	76.	78.	76.	77.	73.	77.	73.	83.	73.	76.	78.	76.	77.	73.	83.	73.	76.	78.	76.			
나타난 시간 Time	1020	0704	1452	0004	1300	0600	*	*	0930	1530	2300	1100	0100	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300				
(1%) R. H.	1100	1300	1500	1330	1100	1000	1400	1200	1430	1130	1830	1630	0630	2130	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300				
바	8.5	5.4	10.5	7.3	9.5	9.2	12.9	7.2	7.5	3.5	4.5	7.0	6.2	6.3	8.6	7.3	7.2	7.5	3.5	4.5	7.0	6.2	6.3	8.6	7.3	7.2	7.5	3.5	4.5	7.0	6.2	6.3	8.6	
합성 풍향 Direction	11.8	10.8	11.5	0.9	5.8	4.0	7.0	4.6	2.0	4.3	9.7	7.1	8.8	10.6	4.9	7.3	7.2	7.5	3.5	4.5	7.0	6.2	6.3	8.6	7.3	7.2	7.5	3.5	4.5	7.0	6.2	6.3	8.6	
순간 최대 Greatest Gust	12.8	14.4	22.0	13.7	15.5	17.4	18.5	14.0	28.5	10.3	13.8	17.9	13.4	11.3	14.1	14.1	14.4	14.0	10.3	13.8	17.9	13.4	11.3	14.1	14.1	14.4	14.0	10.3	13.8	17.9	13.4	11.3	14.1	
(m/s) 풍향 Direction	21.4	28.4	28.7	4.7	15.2	12.0	16.7	14.0	5.1	10.3	16.4	23.8	21.1	25.1	12.7	12.7	21.4	14.0	5.1	10.3	16.4	23.8	21.1	25.1	12.7	12.7	21.4	14.0	5.1	10.3	16.4	23.8	21.1	25.1
Wind	1602	0234	1459	0159	0200	2000	1500	1000	*	1500	0930	1830	0100	2400	*	1930	2330	0030	2130	2100	0030	0930	2400	1700	2100	0230	1100	1130	1100	1130	1100	1130		
구름(1/8)	8.0	8.0	6.4	8.0	6.8	4.5	6.1	8.0	8.0	3.3	3.9	6.0	3.0	8.0	8.0	6.9	8.0	8.0	8.0	3.3	3.9	6.0	3.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	
Average Amount of Cloud	9.0	8.0	8.0	8.0	8.0	8.0	8.0	4.0	4.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	4.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	
폭풍설 시작 시간 Start Time																																		
Blizzard																																		
계속 시간 Duration of Blizzard																																		

현상없음(NO OCCURRENCE)

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month

수평면일사량(0.001MJ/㎡)
Hor. Global Solar Rad.

눈	적설최심 Max. Depth Snow Cover	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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신적설합계 Total	5.0	0.5	-	3.0	-	-	-	-	-	-	-	-	-	-	-
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눈최심나타날날 Date	0.3	0.5	3.0	-	2.0	-	-	-	-	-	-	-	-	-	-
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기상현상	맑음 Clear	0
개	일 Partly Cloudy	8
흐림 Cloudy		22
눈 Snow		9
비 Rain		7
진눈깨비 Sleet		0
안개 Fog		14
박雾 Mist		0

관측못함(NO DATA AVAILABLE)

유빙 Drift Ice (Marian Cove/Maxwell Bay)	관측못함(NO DATA AVAILABLE)
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89251 남극 세종과학기지(King Sejong Station)

1988년 5월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 31 Month
기압 평균 Ave. Station	998	987	998	994	986	993	984	988	1002	998	994	994	996	998	997	997
기최 고 Highest	994	985	984	979	989	991	999	1009	1017	1014	1014	1017	1012	1006	999	991
압최 저 Lowest	999	996	1003	999	992	1000	992	994	1008	1007	996	996	998	999	997	1018
나타난 시간 Time (hPa)	996	992	988	984	992	992	1005	1016	1018	1016	1016	1018	1015	1012	1000	996
기압최 고 Highest	1130	0030	1700	0030	0030	1400	0030	1900	1800	0030	1700	0200	2130	0500	0030	27일
기압최 저 Lowest	0030	0030	0030	2300	2130	0030	2030	2300	0500	0030	2230	0730	0030	0030	0530	0030
Air Press. 나타난 시간 Time	995	983	988	992	978	980	981	982	993	994	991	992	995	997	996	977
기압최 고 Highest	991	979	981	977	984	990	991	1005	1016	1012	1013	1015	1009	999	996	988
기압최 저 Lowest	0030	1130	0030	0830	2230	0030	1700	0030	0030	1630	0500	1100	0030	1500	2200	19일
기압 나타난 시간 Time	1530	1130	2330	0500	0030	0600	0030	0030	0030	1830	0030	2300	1600	2330	2300	1600
기온 평균 Average	-1.6	-0.5	-0.6	0.3	0.4	-0.3	-1.5	-5.7	-6.4	-1.5	0.3	-0.5	-2.4	-3.4	-2.7	-1.9
기온 평균최고 Ave. Maximum	0.4	1.4	2.6	-3.4	-5.8	-3.1	-3.3	-3.8	-4.3	-2.5	-0.8	-1.1	0.0	-0.7	-2.3	-5.1
기온 평균최저 Ave. Minimum																
온도최고 Highest	0.0	0.6	1.2	1.8	1.1	0.5	1.1	-4.5	-3.9	0.1	1.5	0.3	-0.9	-1.3	0.0	5.1
온도최저 Lowest	1.5	3.6	5.1	3.5	-5.1	-0.9	-2.1	-0.9	-2.2	-0.9	1.8	0.2	0.5	0.1	-1.1	-3.5
온도 나타난 시간 Time (°C)	0030	0830	1300	0330	0330	0100	0400	2100	2400	1300	1630	1900	0030	2030	1200	18일
Air Temp. 나타난 시간 Time	1600	1130	0630	0030	2330	1100	2400	1130	1730	2400	1100	1930	0430	0930	0430	2400
기온 나타난 시간 Time	-2.6	-1.9	-1.8	-0.7	-0.2	-1.8	-6.5	-7.4	-8.5	-4.0	-0.9	-1.5	-4.8	-5.4	-4.1	-8.5
기온 나타난 시간 Time	-1.1	-0.1	0.9	-7.0	-6.8	-5.6	-4.8	-6.2	-7.1	-3.4	-3.5	-2.6	-0.8	-2.4	-5.8	9일
평균습점온도(Average Dewpoint Temperature) (°C)	0030	0030	1500	2030	1830	0500	2330	0230	0900	0030	0030	2330	2300	0200	1730	0130
평균습점온도(Average Dewpoint Temperature) (°C)	-4.4	-3.6	-4.5	-1.4	-0.9	-4.6	-4.4	-10.3	-12.8	-5.3	-3.2	-4.0	-6.4	-7.2	-6.2	-5.3
평균습점온도(Average Dewpoint Temperature) (°C)	-2.8	-0.7	-0.2	-6.1	-9.0	-6.4	-5.3	-7.1	-8.1	-5.3	-10.4	-3.8	-1.8	-3.7	-4.7	-8.3

1988년 5월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	-	0.0	0.0	-	0.2	0.1	-	0.1	0.0	-	-	-	-	-	-	-	0.4
Total Precipitation	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0
상대 습도	88.	86.	83.	92.	92.	80.	86.	78.	70.	84.	84.	86.	82.	83.	85.	85.	85.
최소	86.	90.	87.	89.	88.	87.	91.	86.	86.	89.	54.	90.	92.	86.	90.	88.	88.
최대	83.	78.	71.	89.	90.	67.	66.	64.	61.	76.	78.	74.	76.	71.	71.	33.	33.
도	80.	77.	78.	77.	84.	77.	84.	80.	73.	75.	33.	75.	80.	73.	85.	81.	26일
(1%)	1830	1930	0630	0330	2400	0930	2100	0600	2200	0230	1630	1900	1230	1100	1200		
R.H.	0830	0130	2330	0030	0330	1100	2400	0200	1130	2400	1330	0100	2300	0900	1800	0330	
바	3.4	10.3	7.1	9.7	9.9	11.0	11.8	10.5	7.1	7.9	9.9	8.5	3.2	3.3	1.6		7.0
합성 풍향	8.7	11.4	8.3	10.7	7.6	5.0	2.9	4.4	4.5	8.0	4.2	6.3	9.1	6.0	2.5		2.5
Direction	N	SW	N	NNW	WNW	N	WSW	SSW	WSW	W	NW	WNW	ENE	ENE	ENE	NNW	NNW
람	8.8	21.4	17.9	16.4	17.5	18.0	21.0	17.8	14.6	21.2	23.3	17.7	7.4	9.5	6.3		29.5
순간 최대	20.1	29.5	18.6	22.8	15.6	14.3	8.0	14.7	12.9	13.2	10.4	13.5	19.3	19.3	7.4		17일
풍	N	N	N	NNW	NW	W	W	SW	E	SSW	SW	W	NE	NNW	NNE		S
(m/s)	N	S	NNE	ESE	E	ENE	ESE	ENE	NNW	NNW	NNW	NNW	NW	WNW	ENE		E
Wind	2100	0700	2400	0330	0200	0230	0530	0500	0630	1700	0900	0330	1930	1830	2000		
나타난 시간	1600	1030	2100	1430	0030	1100	0030	1900	2230	1700	0130	2300	2230	0430	2200	0200	
구름(1/8)	8.0	8.0	1.9	8.0	8.0	5.9	8.0	7.0	7.1	8.0	6.8	2.0	8.0	7.9	0.7		6.7
Average Amount of Cloud	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	4.1	6.2	0.2	8.0	8.0	5.1	8.0		8.0
폭풍설 시작 시간	0630																
Blizzard	0600																
끝난 시간	2330																
계속 시간	2330																
Duration of Blizzard	2330																

1988년 5월

요 소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	1537 1078	860 400	2385 609	1265 373	812 704	1963 727	628 658	1452 483	1535 1326	699 818	1406 1016	1093 517	1017 340	1311 678	1771 384	369	30214
눈 Snow	적 설 최 심 Max. Depth Snow Cover																
	합 계 Total																
(cm)	최 심 Max. Depth Snow Fall																
	나타난 날 Date																
기 상 현 상 Meteo. Phenomena	맑 음 Clear																
	개 임 Partly Cloudy																
	흐 름 Cloudy																
	눈 은 Snow																
비 Rain																	
진 눈 깨 비 Sleet																	
안 개 Fog																	
박 무 Mist																	
유 빙 Drift Ice (Marian Cove/Maxwell Bay)																	
MC MC MC MC MC MC MC MC MC MC MC MC MC MC MC MC MC MC MC																	

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1988년 5월

요소 일 Date	북 N	북북동 NNE	북동 ENE	동 E	동남동 ESE	남동 SSE	남 S	남남서 SSW	남서 WSW	서 W	서북서 WNW	북북서 NNW			
1	8.8	0.0	0.0	2.2	0.0	2.4	0.0	0.0	1.7	0.0	2.5	3.6	2.3	0.0	8.7
2	21.4	20.2	0.0	0.0	0.0	0.0	0.0	0.0	17.3	18.8	14.7	15.5	11.0	10.4	11.8
3	17.9	8.7	3.5	4.2	0.0	0.0	0.0	5.6	14.1	15.4	12.9	4.5	0.0	0.0	10.2
4	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	16.4
5	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	13.6	17.5	16.9
6	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	17.8	18.0	16.2	17.3	16.9	
7	18.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	13.2	17.4	21.0	20.8	17.6	17.6	
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	17.8	16.8	15.8	0.0	0.0	0.0	
9	0.0	0.0	12.3	14.6	12.2	12.5	10.0	9.8	9.9	13.7	8.9	8.4	8.0	0.0	0.0
10	5.5	2.5	3.8	4.6	1.8	0.0	0.0	2.4	0.0	21.2	18.3	14.1	17.5	19.3	4.7
11	11.2	0.0	0.0	0.0	0.0	0.0	0.0	14.2	21.3	23.3	20.8	20.5	16.6	14.8	12.4
12	11.7	11.9	0.0	6.5	6.0	0.0	0.0	7.9	5.8	0.0	5.2	17.7	17.6	14.4	11.2
13	0.0	4.6	7.4	7.2	3.6	3.2	4.1	5.9	3.1	5.7	0.0	0.0	5.6	6.5	2.3
14	8.3	5.9	9.1	8.4	6.3	4.6	1.8	4.3	3.6	0.0	3.2	0.0	0.0	0.0	9.5
15	3.4	6.3	3.3	5.9	5.6	5.1	5.3	2.7	2.1	2.5	0.0	0.0	0.0	0.0	3.1
16	20.1	18.0	15.6	11.9	11.1	10.6	9.6	6.5	6.0	0.0	0.0	0.0	0.0	0.0	10.1
17	28.3	26.1	20.3	0.0	0.0	0.0	0.0	29.5	0.0	0.0	0.0	0.0	0.0	0.0	16.8
18	17.5	18.6	15.9	12.7	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	12.6
19	0.0	0.0	13.3	15.0	21.6	22.8	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	9.4	13.8	15.6	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	8.9	11.3	14.3	11.5	12.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	4.5	5.4	8.0	6.9	7.5	7.3	6.4	6.1	0.0	0.0	0.0	0.0
23	5.5	10.5	12.5	14.7	10.8	9.3	8.9	9.1	0.0	6.4	8.2	9.7	0.0	2.9	2.8
24	12.5	0.0	5.0	8.7	8.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	12.9
25	12.2	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	13.2
26	10.0	8.1	5.6	6.4	5.0	0.0	0.0	3.4	0.0	3.5	0.0	3.8	0.0	7.8	10.4
27	8.4	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	12.4
28	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	19.1	19.3
29	8.7	1.7	0.0	2.7	2.8	0.0	0.0	0.0	0.0	0.0	14.4	10.9	19.3	9.1	9.7
30	5.8	5.8	6.8	7.4	6.5	0.0	3.9	0.0	5.8	3.3	4.1	6.0	3.3	5.9	6.4
31	2.8	6.5	7.9	5.1	7.9	5.3	6.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0

월 Month	28.3	26.1	20.3	15.0	21.6	22.8	19.3	10.0	29.5	21.3	23.3	20.8	21.0	20.8	19.3	17.6
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풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1988년 5월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NNW	북북서 CLM		
1	419	0	0	32	32	0	32	0	32	0	32	32	32	0	323	32	
2	106	106	0	0	0	0	0	0	21	213	191	149	21	21	170	0	
3	250	42	21	42	0	0	0	21	125	271	63	21	0	0	146	0	
4	333	0	0	0	0	0	0	0	0	0	0	0	0	146	521	0	
5	21	0	0	0	0	0	0	0	0	0	0	63	104	271	542	0	
6	21	0	0	0	0	0	0	0	21	208	292	146	146	146	167	0	
7	42	0	0	0	0	0	0	0	63	146	250	21	333	63	83	0	
8	0	0	0	0	0	0	0	0	42	417	521	21	0	0	0	0	
9	0	0	0	21	167	42	146	42	63	167	83	83	21	0	0	0	
10	21	21	21	42	21	0	21	0	125	125	146	375	42	21	21	0	
11	21	0	0	0	0	0	0	42	188	167	167	146	167	83	21	0	
12	63	21	0	21	21	0	42	42	21	0	21	333	313	104	42	0	
13	0	42	229	354	42	21	83	63	21	21	0	83	21	21	0	0	
14	104	104	208	167	188	21	21	42	83	0	21	0	0	0	42	0	
15	83	104	42	229	125	125	104	42	21	21	0	0	0	42	0	63	
16	229	208	229	21	83	42	104	21	42	0	0	0	0	0	21	0	
17	396	292	125	0	0	0	0	21	0	0	0	0	0	0	167	0	
18	417	333	125	63	0	0	0	0	21	0	0	0	0	0	42	0	
19	0	0	125	83	333	333	125	0	0	0	0	0	0	0	0	0	
20	0	0	63	271	583	83	0	0	0	0	0	0	0	0	0	0	
21	0	21	250	271	188	146	125	0	0	0	0	0	0	0	0	0	
22	0	0	0	63	83	42	167	375	146	42	42	0	0	0	0	42	
23	63	42	104	188	83	146	63	63	0	21	42	104	0	21	21	42	
24	146	0	42	250	208	21	0	0	0	0	0	0	0	21	229	83	
25	271	21	0	0	0	0	0	0	0	0	0	0	0	146	563	0	
26	250	167	63	104	21	0	21	0	21	0	42	0	63	0	250	0	
27	229	21	0	0	0	0	0	0	0	0	0	0	42	146	563	0	
28	42	0	0	0	0	0	0	0	0	0	0	21	250	354	333	0	
29	63	21	0	21	42	0	0	0	0	0	83	104	438	104	125	0	
30	146	63	104	42	42	0	42	0	104	21	42	83	42	146	104	21	
31	21	21	83	167	271	104	208	21	0	0	0	0	0	0	0	104	
월 Month	118	54	60	80	82	37	39	23	16	33	54	63	59	67	61	144	11

89251 남극 세종과학기지(King Sejong Station)

1988년 6월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 31 Month
기압 평균 Ave. Station	987	983	984	976	1002	1010	1008	1004	1004	999	992	995	985	987	981	994
기압 최고 Highest	985	987	989	998	1006	1011	1012	1011	1002	998	986	985	987	985	992	1015
기압 나타난 시간 Time (hPa)	987	989	992	1003	1009	1013	1013	1013	1008	1003	991	987	988	988	998	6일/ 7일
기압 최저 Lowest	0030	0030	0830	2400	1930	2030	0030	1730	1900	0030	0030	0930	2400	0200	2330	
Air Press. 나타난 시간 Time	0330	2400	2300	2200	1930	2230	0030	0030	0030	0600	0030	2130	0700	1900	2330	
기온 평균 Average	984	981	968	966	990	1007	1003	1003	1002	995	988	988	978	980	978	966
기온 최고 고 Ave. Maximum	983	985	987	992	1003	1009	1011	1006	997	990	981	983	984	983	987	966
기온 최저 저 Ave. Minimum	1230	2230	2400	0200	0030	0530	1930	0030	0530	1730	2200	2330	0630	1530	0330	4일
기온 나타난 시간 Time	0930	0030	0700	0030	0030	0030	1730	2400	1000	2230	1800	0030	2330	0230	0030	
기온 평균 Average	-0.3	-0.4	-2.6	-12.3	-16.5	-10.8	-4.3	-2.3	-1.3	0.5	-8.0	-8.3	-0.3	0.1	-2.6	-7.3
기온 최고 고 Ave. Maximum	-9.2	-12.4	-14.2	-15.1	-15.0	-14.3	-8.8	-4.6	-0.6	-0.4	-9.5	-11.5	-10.2	-12.4	-11.4	-4.2
기온 최저 저 Ave. Minimum																-9.9
온도 최고 Highest	0.9	0.5	0.3	0.7	-12.8	-7.8	-1.9	-1.5	-0.6	2.3	-1.5	2.0	1.6	2.4	3.1	3.1
온도 나타난 시간 Time (°C)	-4.7	-11.4	-12.0	-13.6	-13.7	-12.0	-5.4	-1.9	1.3	1.8	-4.7	-10.1	-7.8	-9.2	-10.5	15일
온도 최저 Lowest	1730	0030	2400	0130	2400	0800	1930	1130	0800	1700	0030	2330	0100	2300	0200	
온도 나타난 시간 Time	0500	0100	1500	2200	1300	2330	2100	2230	1730	0230	0030	0030	1730	0400	1500	
Air Temp. 나타난 시간 Time	-3.5	-2.6	-4.6	-15.7	-19.0	-13.2	-12.7	-3.0	-2.6	-2.3	-11.5	-12.5	-2.1	-2.1	-7.8	-19.0
	-12.4	-13.7	-16.4	-17.2	-16.3	-16.9	-12.9	-7.2	-2.3	-4.8	-11.2	-12.1	-12.0	-13.9	-13.1	5일
평균습점온도(°C)	0030	2400	0330	0900	1230	2300	0030	1700	0030	2330	1930	0630	2230	0530	2030	
Average Dewpoint Temperature	1900	2300	2330	0730	2200	0300	0100	0630	0030	2400	1400	0900	0200	1900	0030	
평균습점온도(°C)	-2.4	-2.4	-5.4	-14.9	-20.3	-16.5	-8.5	-5.1	-2.7	-2.3	-10.2	-10.6	-2.3	-2.0	-5.1	-10.4
Average Dewpoint Temperature	-12.0	-15.3	-18.2	-19.2	-20.9	-19.5	-12.9	-8.8	-2.5	-2.6	-11.9	-14.4	-13.5	-15.8	-14.3	

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.7	1.0	
Total Precipitation	0.3	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
상대 습도	91.	90.	89.	90.	86.	74.	81.	89.	93.	85.	91.	90.	90.	89.	89.	88.	
최소	90.	90.	87.	87.	78.	82.	83.	81.	90.	90.	91.	91.	89.	90.	91.	91.	
최대	89.	79.	81.	77.	74.	53.	49.	83.	91.	76.	87.	83.	85.	76.	77.	49.	
도	86.	88.	81.	75.	67.	76.	75.	68.	83.	85.	91.	89.	86.	86.	90.	7일	
(1%) 나타난 시간 Time	0030	1930	1730	0130	2030	2400	0100	0030	0030	1700	1330	2330	0100	2300	0200	0200	
R.H.	0030	2400	0730	0830	1130	1400	2330	1100	0230	1130	1400	2130	2130	0400	0030		
평 균 24 hour ave.	8.9	4.3	9.0	14.6	10.4	6.1	7.1	6.9	4.7	4.4	16.4	8.6	10.4	8.2	4.7	10.3	
합성 풍 향 Direction	15.7	14.2	10.8	8.0	6.2	4.6	4.6	9.7	18.0	15.5	18.9	17.4	9.1	14.3	16.4	E	
순 간 최 대 Greatest Gust	17.4	12.4	23.0	31.8	25.0	18.4	14.1	14.0	9.8	15.8	32.0	24.9	26.8	25.6	12.6	36.3	
(m/s) 풍 향 Direction	31.6	24.2	22.1	21.5	18.6	16.1	13.1	23.9	36.3	31.0	30.1	30.6	21.6	31.4	26.1	24일	
Wind	N	E	NNE	ESE	ESE	SE	WNW	NW	NW	ESE	ESE	E	NNE	NNE	E	NNE	
나타난 시간 Time	E	ESE	E	E	ENE	E	NNE	NNE	NNE	NE	ESE	E	E	E	E	E	
구름(1/8)	1000	2400	2000	0530	0730	1500	0800	2030	0230	1000	2200	0030	0530	1530	0030		
Average Amount of Cloud	1100	0030	2400	0030	2030	0100	2400	2400	1030	1600	1500	0800	0030	1430	1000		
폭풍설 시작 시간 Start Time	8.0	8.0	8.0	9.0	2.1	1.6	8.0	8.0	8.0	8.0	9.0	8.0	6.2	7.9	8.0	7.2	
Blizzard	9.0	9.0	7.9	6.9	0.2	2.5	7.3	6.5	8.0	7.6	9.0	9.0	8.0	8.0	9.0		
계속 시간 Duration of Blizzard	0700	1600	1800	1330	4530	7030	0530	0530	4530	1800	0030	1030	0530	0430(7/1)	4230	25200	

1988년 6월

요 소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	333	394	384	231	626	724	399	363	324	275	213	313	271	287	290	641	296	560	350	501	436	380	847	382	526	254	364	521	513	372	12370	
눈 Snow (cm)	적 설 최 심 Max. Depth Snow Cover																															50.0
	합 계 Total																															120.0 150.0 160.0 180.0
기상 현상 Meteo. Phenom ena	신적설 Snow Fall																															232.7
	최 심 Max. Depth 나타난 날 Date																															70.0 26일
기상 현상 Meteo. Phenom ena	태 음 Clear																															2
	개 일 Partly Cloudy																															2
기상 현상 Meteo. Phenom ena	흐 림 Cloudy																															26
	눈 Snow																															21
기상 현상 Meteo. Phenom ena	비 Rain																															1
	진 눈 개 비 Sleet																															0
기상 현상 Meteo. Phenom ena	안 개 Fog																															6
	박 무 Mist																															1
기상 현상 Meteo. Phenom ena	유 빙 Drift Ice (Marian Cove/Maxwell Bay)																															MC MC MC결빙 MC개진

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1988년 6월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	
1	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	16.8	15.9
2	7.3	7.0	5.0	8.8	12.4	9.6	0.0	0.0	2.4	0.0	0.0	0.0	0.0	11.6	12.0	9.9
3	19.9	23.0	22.6	11.4	9.2	11.6	4.9	2.9	0.0	3.2	0.0	0.0	0.0	0.0	0.0	12.4
4	0.0	0.0	0.0	12.5	28.7	31.8	25.4	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	14.7	23.9	25.0	19.3	0.0	12.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0
6	6.6	6.1	0.0	17.8	17.5	18.1	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	7.2
7	6.2	4.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	12.9	14.1	13.8	9.6	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	8.0	7.3	12.1	12.7	14.0	0.0	0.0
9	8.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	9.0	9.8	9.4	0.0
10	0.0	14.5	15.4	14.7	15.1	15.8	14.0	7.2	11.3	7.6	0.0	0.0	3.8	0.0	0.0	1.8
11	0.0	19.0	17.3	24.5	30.0	32.0	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	22.7	16.7	0.0	9.3	24.9	23.6	20.5	1.7	6.9	3.7	0.0	0.0	0.0	0.0	0.0	0.0
13	25.8	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.5	18.6	11.3	8.1	0.0
14	21.2	25.6	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	8.7	8.9	9.7	0.0
15	12.6	11.9	12.3	11.5	12.6	12.1	11.3	5.1	4.9	2.7	8.3	0.0	6.9	0.0	0.0	7.1
16	0.0	0.0	20.5	29.1	31.6	27.1	23.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	22.2	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	18.1	22.1	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	9.8	8.7	18.1	21.5	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	9.7	18.6	14.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	3.9	11.5	15.6	16.1	13.0	6.9	5.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	13.1	10.4	6.7	6.7	6.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	23.4	23.9	15.9	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	28.1	36.3	33.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	23.0	30.7	31.0	26.3	25.0	22.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	29.1	30.1	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	30.6	29.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	11.5	17.7	21.6	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	15.9	25.2	31.4	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	26.1	26.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
월 Month	28.1	36.3	33.9	29.1	31.6	32.0	25.4	16.4	12.0	7.6	8.0	11.2	19.5	18.6	16.8	15.9

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1988년 6월

요소 일 Date	Element N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1	167	0	0	0	0	0	0	0	0	0	0	0	0	42	604	188	0
2	167	83	63	42	63	42	0	0	0	21	0	0	0	63	146	313	0
3	292	167	125	104	63	42	42	21	0	21	0	0	0	0	0	104	21
4	0	0	0	42	167	521	250	21	0	0	0	0	0	0	0	0	0
5	0	0	0	83	313	333	167	0	63	42	0	0	0	0	0	0	0
6	42	83	0	146	292	292	63	0	0	0	0	0	0	0	21	63	0
7	63	21	42	0	0	0	0	0	0	0	0	42	375	292	125	42	0
8	0	0	0	0	0	0	0	0	0	21	21	42	104	313	500	0	0
9	125	21	0	0	0	0	0	0	0	0	0	0	21	83	271	479	0
10	0	167	167	83	83	167	167	21	42	21	0	0	21	0	0	21	42
11	0	21	21	63	458	417	21	0	0	0	0	0	0	0	0	0	0
12	63	21	0	42	167	354	42	21	146	42	0	0	0	0	0	0	104
13	146	167	0	0	0	0	0	0	0	0	0	0	0	125	333	167	63
14	500	146	42	0	0	0	0	0	0	0	0	0	21	63	104	125	0
15	146	21	83	83	83	229	104	42	42	21	21	21	0	42	0	21	63
16	0	0	21	354	438	125	63	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	313	688	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	167	625	208	0	0	0	0	0	0	0	0	0	0	0
19	0	21	42	563	333	42	0	0	0	0	0	0	0	0	0	0	0
20	0	0	106	213	553	128	0	0	0	0	0	0	0	0	0	0	0
21	0	21	104	229	292	229	83	21	21	0	0	0	0	0	0	0	0
22	0	250	229	104	146	250	21	0	0	0	0	0	0	0	0	0	0
23	104	604	271	21	0	0	0	0	0	0	0	0	0	0	0	0	0
24	417	438	146	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	146	229	438	104	63	21	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	208	750	42	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	813	188	0	0	0	0	0	0	0	0	0	0	0
28	0	0	42	104	563	292	0	0	0	0	0	0	0	0	0	0	0
29	0	0	21	208	563	208	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	188	646	167	0	0	0	0	0	0	0	0	0	0
월 Month	79	83	65	92	225	206	41	5	10	6	1	3	22	41	65	47	8

89251 남극 세종과학기지(King Sejong Station)

1988년 7월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	월
일 Date																	
기압 평균 Ave. Station	1001	1001	1003	1006	989	987	1002	1005	996	993	1004	995	1003	1005	992		990
기최고 Highest	982	986	981	983	973	982	979	961	989	1010	993	979	988	972	976	982	982
기압 낮아진 시간 Time (hPa)	984	995	995	987	984	990	991	978	999	1014	1011	983	991	981	982	984	25일
기압 최저 Lowest	0830	0100	1930	0730	0030	2400	2230	0230	0030	2400	1700	0030	2030	0030	0030		990
Air Press. 나타난 시간 Time	1800	2200	0030	1130	0100	2230	0200	2330	2400	1830	0030	1930	1000	0030	1830	0900	952
기압 최저 Lowest	997	1001	1001	1000	981	981	998	1003	989	991	1000	989	990	1001	983		952
Air Press. 나타난 시간 Time	981	979	971	974	966	970	956	952	978	999	979	976	980	968	970	981	23일
기압 최저 Lowest	0200	0030	0030	2330	2300	0030	0030	2300	1730	0100	0030	2000	0030	2000	2330		952
기압 최저 Lowest	0230	0730	2230	0130	1400	0030	2330	0300	0030	0030	2200	0500	0030	2030	0730	0030	952
기온 평균 Average	-12.8	-11.3	-8.5	-10.0	-3.1	-11.5	-9.9	-6.0	-2.1	-4.0	-7.3	0.2	-5.9	-2.1	0.1		-4.8
평균 최고 Ave. Maximum	-1.2	-1.7	-0.9	-4.7	-2.6	-8.2	-6.3	-8.3	-5.4	-3.3	0.1	-0.7	-1.0	-0.4	-2.5		-1.4
평균 최저 Ave. Minimum																	-8.7
온도 최고 Highest	-10.6	-5.0	-3.6	-5.9	-1.6	-3.8	-5.1	-3.1	-0.3	-0.6	-0.8	1.9	-0.5	1.6	1.0		2.4
(°C) 나타난 시간 Time	0.1	-0.6	0.4	-2.5	-0.8	-5.3	0.7	0.4	-1.3	-1.5	1.5	1.2	0.3	2.4	0.3		29일
Air Temp. 최저 Lowest	0030	2400	0500	2400	0930	0100	1900	0830	1730	0030	2400	1030	0030	1930	0530		0030
나타난 시간 Time	0030	0700	0600	2100	1500	0230	2330	0030	1330	1030	1030	0300	0100	1830	0030	0030	0030
Air Temp. 최저 Lowest	-15.5	-17.1	-13.8	-16.1	-6.2	-15.0	-17.5	-11.1	-6.8	-14.3	-14.9	-1.7	-8.6	-8.0	-2.3		-17.5
나타난 시간 Time	-2.3	-3.7	-6.1	-7.1	-6.3	-12.0	-8.9	-13.3	-9.7	-5.7	-2.5	-3.0	-3.4	-2.3	-5.9		7일
나타난 시간 Time	1830	0930	1800	1130	0030	2300	0500	0630	0230	2230	0130	0200	1330	0030	0030		0030
나타난 시간 Time	1300	1400	2400	0100	2400	1130	0200	1500	0130	0800	0300	1430	0630	0700	1830	1430	1430
평균 눈점온도 (°C)	-15.7	-13.5	-11.1	-13.4	-5.0	-14.6	-13.0	-9.0	-5.0	-6.8	-10.0	-2.1	-8.1	-4.1	-1.7		-7.5
Average Dewpoint Temperature	-2.8	-4.5	-2.8	-9.2	-4.7	-12.1	-9.7	-10.7	-8.4	-7.5	-1.9	-2.5	-4.7	-3.3	-6.0		-9.2

1988년 7월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	일 Month
강수량(mm)	0.0	-	0.0	-	0.0	0.0	0.0	-	-	0.0	-	0.1	0.1	-	0.0	0.0	0.3
Total Precipitation	0.1	-	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	-	0.0	0.0	-	-
상대 습도 (%)	90.	91.	91.	90.	91.	90.	90.	89.	89.	88.	90.	90.	91.	91.	92.	89.	89.
평균 Average	92.	89.	91.	80.	90.	85.	87.	91.	88.	81.	80.	90.	92.	84.	87.	86.	90.
최소 Lowest	84.	89.	89.	83.	87.	89.	79.	69.	84.	82.	86.	83.	85.	89.	89.	89.	58.
최고 Highest	89.	79.	64.	70.	80.	79.	77.	84.	80.	58.	81.	90.	68.	70.	71.	76.	25일
(1%) 나타난 시간 Time	0630	1230	0530	0900	0800	0100	0500	0830	0830	0530	1000	1030	1230	2000	0530	2000	2400
R.H.	2030	1630	2300	1700	1000	1100	0530	2300	1030	0630	0030	2100	1930	1900	2100	2400	
바	8.7	0.9	2.3	3.8	6.6	11.6	4.1	2.5	6.6	6.3	2.6	7.2	5.2	6.4	9.4	7.4	
평균 24 hour ave.	8.2	9.5	10.6	9.3	4.8	6.5	9.6	12.3	6.8	7.3	17.4	10.4	9.2	11.1	7.7	3.2	
합성 풍향 Direction	S	ENE	SSE	N	ESE	E	SSW	S	WNW	NW	NNW	NW	N	N	NNW	N	N
순간 최대 Greatest Gust	W	NW	W	WNW	SSE	WNW	N	SE	SW	NNW	N	N	ENE	NNW	N	N	N
람 (m/s)	22.2	6.1	7.4	13.5	16.2	22.5	13.7	10.8	20.8	18.0	11.3	13.3	17.6	15.0	17.5	37.1	
풍향 Direction	17.6	20.6	24.7	22.9	17.1	22.7	36.9	29.6	24.5	19.0	30.0	26.5	20.3	37.1	21.2	11.1	29일
(m/s)	ESE	N	SSE	N	N	ESE	N	N	W	E	N	NNW	ESE	NNW	N	NNE	
Wind	WNW	W	W	WSW	WNW	SW	ENE	ENE	SW	SW	N	N	NNW	NNE	NNW	N	
나타난 시간 Time	0300	0030	1200	2330	0600	0800	1030	1000	1530	2130	0730	2030	0530	2100	0600	0200	
	2330	1630	2300	0130	0100	0430	1800	1230	2330	0030	2100	0030	0200	2100	1200	0200	
구름(1/8)	4.6	2.3	6.6	4.8	8.0	8.0	8.0	7.4	8.0	8.0	8.0	8.0	5.5	8.0	8.0	6.8	
Average Amount of Cloud	8.0	4.1	7.1	4.8	8.0	8.0	8.0	9.0	7.3	4.5	8.0	8.0	3.9	7.0	4.6	8.0	
폭풍설 시작 시간 Start Time																	
Blizzard																	
끝난 시간 End Time																	
계속 시간 Duration of Blizzard																	4800

0330 1230
2330 1630
2000 2800

1988년 7월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month						
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31					
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	673	1152	417	539	507	565	688	506	512	645	743	589	886	732	802	24819						
	616	747	35	707	630	825	648	847	1225	1332	963	825	1429	1258	1478	1298						
적 설 최 심 Max. Depth Snow Cover	180.0															150.0	175.0	159.0				
신적설 합 계 Total	0.0	-	1.5	-	0.7	0.0	0.0	-	-	0.7	-	-	0.0	-	0.0	52.7						
눈 최 심 Max. Depth Fall 나타날 날 Date	-	-	3.5	-	5.2	-	10.5	25.4	0.0	-	-	-	-	2.0	3.2	25.4 23일						
기상 현상 Meteo. Phenomena	맑음 Clear	개임 Partly Cloudy	흐림 Cloudy	눈 Snow	비 Rain	진눈깨비 Sleet	안개 Fog	박무 Mist	유빙 Drift Ice (Marian Cove/Maxwell Bay)	MC살얼음 MC결빙	MC동결	MB해빙	MC동결	MB유빙	0	9	22	15	2	2	8	0

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1988년 7월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	W	WNW	W	NNW	NNW	
1		0.0	0.0	0.0	11.0	15.8	22.2	17.2	14.3	6.4	0.0	7.1	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2		6.1	3.8	4.1	3.5	0.0	0.0	0.0	3.2	5.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.1	0.0
3		6.7	0.0	4.3	3.1	3.4	6.8	6.7	7.4	7.1	4.6	0.0	1.8	0.0	2.7	7.0	6.0	9.2	10.9	0.0	0.0
4		13.5	7.6	7.8	8.8	8.7	9.6	7.8	0.0	2.3	4.8	2.4	0.0	0.0	6.0	9.2	10.9	0.0	0.0	0.0	0.0
5		16.2	0.0	1.7	0.0	0.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	9.4	13.1	0.0	0.0	0.0	0.0
6		0.0	0.0	0.0	0.0	18.9	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7		13.7	5.8	0.0	5.8	10.0	12.5	11.5	5.7	2.5	8.9	4.1	5.0	4.0	4.3	6.8	11.2	0.0	0.0	0.0	0.0
8		10.8	0.0	4.0	4.5	5.0	0.0	7.6	10.3	1.2	8.2	7.4	9.6	2.2	7.7	9.6	8.5	0.0	0.0	0.0	0.0
9		3.1	2.3	0.0	0.0	6.1	0.0	5.8	15.4	5.4	16.2	14.2	17.6	20.8	17.6	14.6	10.4	0.0	0.0	0.0	0.0
10		0.0	0.0	10.2	16.2	18.0	17.5	16.7	6.9	8.6	13.7	14.1	11.0	9.7	6.0	11.7	4.5	0.0	0.0	0.0	0.0
11		11.3	2.6	0.0	0.0	0.0	0.0	0.0	4.9	2.4	7.6	4.4	6.2	0.0	4.6	10.9	10.3	0.0	0.0	0.0	0.0
12		12.6	11.9	0.0	0.0	0.0	0.0	0.0	5.5	0.0	7.4	9.7	0.0	0.0	0.0	12.2	13.3	0.0	0.0	0.0	0.0
13		6.2	3.6	11.3	14.3	16.8	17.6	12.5	0.0	2.5	3.3	0.0	1.9	2.8	0.0	9.7	2.5	0.0	0.0	0.0	0.0
14		11.6	1.6	3.0	6.4	0.0	0.0	1.5	0.0	4.5	3.2	0.0	0.0	0.0	6.9	7.9	15.0	0.0	0.0	0.0	0.0
15		17.5	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	0.0
16		15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	0.0
17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	17.6	13.5	14.1	0.0	0.0	0.0	0.0
18		23.1	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	20.6	16.1	14.6	11.7	0.0	0.0	0.0	0.0
19		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	0.0	24.7	10.3	14.2	19.3	0.0	0.0	0.0	0.0
20		6.3	12.2	7.4	8.2	0.0	7.4	10.0	9.0	0.0	5.4	2.6	9.9	0.0	17.1	11.3	10.7	0.0	0.0	0.0	0.0
21		9.1	0.0	12.2	15.5	17.1	12.6	5.3	0.0	0.0	11.7	22.7	17.7	12.9	6.5	9.0	0.0	0.0	0.0	0.0	0.0
22		25.4	22.7	33.7	36.9	14.8	19.9	0.0	0.0	0.0	0.0	0.0	0.0	5.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0
23		19.7	20.7	10.4	29.6	27.8	28.6	3.9	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	0.0	0.0	0.0	0.0
24		2.1	2.2	2.8	5.7	0.0	0.0	0.0	6.3	0.0	0.0	24.5	17.8	19.0	6.1	6.5	6.6	0.0	0.0	0.0	0.0
25		13.5	0.0	10.4	11.3	4.2	0.0	0.0	0.0	4.7	0.0	19.0	17.3	10.6	13.2	13.8	12.3	0.0	0.0	0.0	0.0
26		30.0	26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	0.0	0.0	0.0	0.0
27		26.5	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	10.4	17.5	0.0	0.0	0.0	0.0
28		19.7	17.5	14.4	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	17.7	13.0	20.3	0.0	0.0	0.0	0.0
29		33.6	37.1	7.2	3.9	10.4	0.0	9.2	0.0	0.0	1.5	0.0	0.0	0.0	0.0	2.4	19.6	0.0	0.0	0.0	0.0
30		19.9	16.9	14.4	6.2	7.3	4.9	2.2	0.0	2.1	0.0	0.0	0.0	0.0	21.2	21.2	19.6	0.0	0.0	0.0	0.0
31		11.1	3.4	5.2	5.1	4.8	3.4	5.2	6.3	7.2	7.7	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0
월	Month	33.6	37.1	33.7	36.9	27.8	28.6	17.2	15.4	8.6	16.2	24.5	22.9	24.7	21.2	21.2	20.3				

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1988년 7월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM		
1	0	0	0	42	83	313	375	125	21	0	21	21	0	0	0		
2	104	21	104	146	0	0	0	21	146	42	0	0	0	21	21		
3	63	0	63	21	63	83	83	271	229	21	0	21	0	21	0		
4	208	21	104	83	63	83	21	0	21	83	21	0	42	42	104		
5	354	0	42	0	0	104	0	0	0	0	0	0	21	229	250		
6	0	0	0	0	313	688	0	0	0	0	0	0	0	0	0		
7	83	21	0	83	63	146	42	63	21	104	21	42	42	42	188		
8	83	0	104	125	83	0	63	63	21	104	63	21	21	83	42		
9	21	21	0	0	21	0	42	63	42	21	63	63	229	83	63		
10	0	0	21	42	83	42	21	188	188	146	83	63	21	0	0		
11	146	42	0	0	0	0	42	83	146	42	42	0	63	125	146		
12	271	104	0	0	0	0	21	21	21	0	0	0	146	417	0		
13	125	21	63	83	125	208	42	0	21	83	0	21	0	104	21		
14	104	21	21	83	0	0	21	0	63	21	0	0	83	42	542		
15	625	63	0	0	0	0	0	0	0	0	0	0	0	313	0		
16	21	0	0	0	0	0	0	0	0	0	0	21	208	542	208		
17	0	0	0	0	0	0	0	0	0	21	500	229	188	63	0		
18	324	29	0	0	0	0	0	0	0	29	147	59	176	235	0		
19	0	0	0	0	0	0	0	0	42	188	458	208	83	21	0		
20	21	21	21	42	0	83	104	83	0	21	21	0	188	292	63		
21	104	0	63	125	63	21	42	0	42	125	83	188	83	63	0		
22	125	83	104	375	146	21	0	0	0	0	42	63	0	0	42		
23	188	63	42	146	313	167	21	21	0	0	0	0	0	42	0		
24	42	21	21	42	0	0	63	0	83	167	375	42	83	42	21		
25	63	0	21	21	21	0	0	21	0	146	83	42	146	313	125		
26	688	208	0	0	0	0	0	0	0	0	0	0	0	104	0		
27	458	42	0	0	0	0	0	0	0	0	0	83	146	271	0		
28	500	104	63	146	0	0	0	0	0	0	21	63	63	42	0		
29	354	167	42	21	63	0	104	0	21	0	0	0	21	208	0		
30	250	63	125	21	21	21	21	0	0	0	0	125	146	188	0		
31	229	21	63	104	125	83	63	63	104	63	0	0	0	63	21		
월 Month	178	37	35	57	54	67	35	30	28	26	28	32	72	71	98	123	28

89251 남극 세종과학기지(King Sejong Station)

1988년 8월

요소 Element	일 Date		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 30 31																												월 Month							
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																						
기압 평균 Ave. Station	982	993	1001	997	995	1000	1015	1019	1023	1011	1004	1010	1010	994	985	999																						
최고 Highest	987	985	995	1006	1006	998	992	999	997	991	992	994	999	1006	1001	988																						
나타난 시간 Time (hPa)	982	993	1001	997	995	1000	1015	1019	1023	1011	1004	1010	1010	994	985	999																						
최저 Lowest	979	986	999	994	993	997	1008	1014	1019	1003	1002	1005	1003	986	984																							
나타난 시간 Time	0500	0100	0030	1930	0700	0100	0030	0500	2330	2330	0430	0030	2400	2200	0130																							
기온 평균 Average	-7.3	-13.3	-15.5	-13.6	-16.3	-12.6	-9.9	-2.7	-2.4	0.3	-1.0	-1.2	-1.3	-1.1	-4.5																							
평균 최고 Ave. Maximum	-6.3	-4.8	-9.3	-8.4	-7.0	-6.4	-12.2	-14.6	-12.0	-11.4	-16.0	-14.4	-14.9	-10.1	-8.7																							
평균 최저 Ave. Minimum																																						
온도	-5.6	-8.1	-12.7	-11.3	-14.1	-7.8	-4.8	0.2	0.2	1.7	0.0	-0.3	0.5	0.6	-2.8																							
(℃)	-2.8	-3.4	-3.2	-5.1	-5.3	-4.2	-6.3	-13.5	-8.1	-7.1	-14.5	-9.2	-11.1	-5.2	-4.1																							
나타난 시간 Time	2030	0030	2400	0230	2300	1330	2300	0730	2100	0230	0030	2200	2400	0030	0030																							
Air Temp.	0030	1500	0030	2030	0030	1500	0030	1130	1500	1030	0030	1530	1000	1330	2400																							
최저 Lowest	-9.1	-16.3	-17.7	-17.5	-18.6	-16.0	-16.4	-5.6	-3.8	-0.5	-2.9	-2.0	-2.8	-3.0	-6.2																							
나타난 시간 Time	-10.1	-7.7	-11.8	-12.9	-8.1	-7.7	-14.9	-16.2	-17.5	-15.2	-16.8	-19.3	-19.9	-14.3	-11.3																							
평균습점온도(℃)	0800	0900	0900	2400	0330	2230	0730	0100	0230	0030	1500	1630	1100	2300	1930																							
Average Dewpoint Temperature	1930	0030	0830	0730	2000	2230	2400	2400	0600	2330	1330	2030	0200	0030	0600																							
평균습점온도(℃)	-11.9	-17.9	-21.4	-17.2	-20.2	-17.5	-14.7	-5.9	-5.5	-2.6	-2.8	-3.0	-3.6	-3.7	-8.8																							
Average Dewpoint Temperature	-11.4	-8.6	-15.2	-15.3	-10.9	-9.1	-15.2	-18.2	-15.6	-15.3	-21.6	-18.8	-19.9	-15.2	-12.4																							

1988년 8월

요소 Element	일 Date																															월 Month		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
강수량(mm) Total Precipitation	*	-	-	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
상대 습도 (1%) R.H.	83.	84.	79.	89.	89.	82.	83.	89.	89.	88.	93.	93.	92.	89.	86.	78.	86.	75.	70.	87.	91.	91.	90.	89.	88.	83.	87.	83.	82.	89.	92.			
최소 습도 (1%) R.H.	75.	68.	66.	85.	87.	62.	66.	77.	80.	71.	92.	92.	89.	75.	50.	58.	74.	54.	50.	77.	90.	90.	89.	86.	78.	80.	71.	62.	81.	89.	19일			
나타난 시간 Time	1000	2030	0430	2100	2130	1330	0430	0730	2100	0230	0030	1630	1430	1500	2400	1100	0030	1230	0500	0200	0130	0730	2330	2400	1100	1130	0600	1030	1330	1100	0030			
평 균 24 hour ave.	4.6	7.3	6.6	11.6	11.4	3.4	5.0	5.7	8.2	15.3	7.0	6.8	7.8	9.5	5.5	6.9	4.3	4.4	5.0	5.2	3.5	5.5	12.5	13.1	3.1	6.2	14.8	3.4	3.2	2.6	3.9	8.0		
합성 풍향 Direction	WSW	E	ESE	ESE	ESE	SE	N	NW	N	NNE	NNW	NNW	N	ENE	N	ESE	SSW	ENE	NW	NW	ESE	N	E	E	E	E	S	NE	ENE	WNW	N	ESE		
순간 최대 Greatest Gust (m/s)	14.0	17.0	16.1	21.3	23.7	13.3	12.5	20.4	16.9	28.3	13.6	11.2	15.7	16.5	16.6	29.0	14.0	13.8	17.0	15.5	10.7	11.6	24.9	29.0	12.2	21.0	25.7	12.5	11.8	9.1	11.9	15.7	23일	
풍향 Direction	WSW	ESE	ENE	E	ESE	ESE	WNW	SW	N	NNE	N	NNW	N	NW	WNW	ESE	SW	E	E	WNW	NNW	E	ESE	NE	E	WSW	NE	N	WNW	N	ESE			
Wind 나타난 시간 Time	2400	0630	0230	2030	0700	2100	2030	0500	1800	1700	2300	1100	2030	2000	0330	1700	1200	0430	0230	0200	1130	1300	0500	0100	2400	0400	1430	1100	2000	2330	2400	6.4		
Average Amount of Cloud	5.6	7.8	0.5	7.5	7.2	0.4	5.3	6.3	8.0	8.0	8.0	8.0	6.5	8.0	5.9	7.8	8.0	8.0	1.2	4.6	8.0	7.0	9.0	6.9	7.8	7.7	3.5	5.6	6.8	3.9	7.3	9.0		
폭풍설 시작 시간 Start Time																																		1600
Blizzard 끝난 시간 End Time																																		2230
계속 시간 Duration of Blizzard																																		0630
																																		7030

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	1820	1446	2361	1177	2221	2658	2428	2173	1634	1169	1585	2045	2998	1721	2169	89371	
	2813	2093	4040	4505	2595	3888	2320	2969	2925	4465	4943	3353	4913	5540	4750	3654	
적 설 최 심 Max. Depth Snow Cover	160.0																
	163.0																
Snow 합 계 Total	-	-	-	0.0	0.0	-	-	0.3	-	2.0	-	-	-	0.6	-	-	8.8
(cm) Snow 최 심 Max. Depth Fall 나타날 Date	0.2	-	-	-	0.0	-	0.0	0.0	0.2	-	-	5.5	-	-	-	-	5.5 27일
맑 음 Clear			v			v											3
개 임 Partly Cloudy	v						v										7
흐 립 Cloudy		v		v	v	v	v	v	v	v	v	v	v	v	v		21
눈 눈 Snow					v	v	v	v	v	v							11
비 비 Rain								v	v	v							1
진 눈 깨 비 Sleet																	0
안 개 Fog																	3
박 무 Mist																	0
유 빙 Drift Ice (Marian Cove/Maxwell Bay)																	MB해빙 MB결빙
																	MC/MB결빙
																	MB일부해빙
																	MB해빙

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1988년 8월

요소 일 Date	Element	N	NNE	NE	ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서남서 WNW	북서 NW	북북서 NNW
1		3.9	2.5	8.9	8.6	9.3	8.8	8.8	0.0	0.0	0.0	13.6	14.0	13.4	3.8	0.0	0.0
2		0.0	8.8	10.4	12.3	17.0	17.0	11.4	10.6	3.1	0.0	16.4	16.8	0.0	0.0	0.0	0.0
3		5.8	0.0	9.1	16.1	14.7	10.6	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4		0.0	0.0	0.0	19.4	21.3	20.6	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5		0.0	0.0	0.0	0.0	22.6	23.7	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6		3.3	0.0	7.6	7.0	12.9	13.3	9.2	5.7	0.0	6.3	0.0	2.2	2.8	0.0	0.0	5.3
7		7.4	3.4	4.1	4.0	5.0	4.5	0.0	0.0	5.3	4.4	0.0	0.0	11.1	12.5	11.8	9.2
8		8.3	2.9	0.0	0.0	2.8	3.9	0.0	0.0	0.0	14.9	20.4	18.6	19.6	11.7	11.3	10.1
9		16.9	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	14.2	14.6
10		26.8	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	0.0	0.0	0.0	0.0	0.0
11		13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	11.1	13.3
12		10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	11.2
13		15.7	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	9.6	12.2	15.0	
14		15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	16.5	16.5
15		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	10.8	14.8	16.6	14.1	0.0
16		5.5	2.5	9.6	7.3	9.6	14.0	11.7	2.1	6.4	9.5	0.0	5.3	8.4	7.0	5.9	5.4
17		6.9	2.2	0.0	1.9	0.0	0.0	0.0	0.0	9.1	9.6	13.8	9.9	7.8	8.5	10.5	8.1
18		4.3	3.9	3.0	4.7	17.0	16.1	16.9	6.1	0.0	5.7	0.0	0.0	2.7	2.4	0.0	4.7
19		12.5	10.6	10.6	13.7	15.5	15.1	0.0	0.0	0.0	0.0	0.0	1.8	0.0	6.0	11.6	12.4
20		0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	3.6	3.8	7.0	6.0	8.5	10.7	10.4	0.0
21		10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	9.6	11.6
22		0.0	0.0	0.0	16.9	24.9	24.6	21.7	3.1	0.0	2.1	2.2	6.2	0.0	7.1	8.1	0.0
23		0.0	0.0	0.0	15.7	21.5	29.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24		2.3	0.0	12.2	9.4	9.5	9.8	10.6	11.9	0.0	0.0	2.6	3.7	6.3	6.8	6.7	4.6
25		0.0	0.0	0.0	3.9	21.0	16.1	7.9	7.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26		0.0	0.0	0.0	21.8	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27		8.0	2.6	5.8	8.1	6.8	5.6	7.9	0.0	9.2	0.0	0.0	12.5	0.0	2.6	12.5	7.2
28		0.0	2.1	11.8	10.8	5.9	8.2	4.9	0.0	5.2	1.7	4.3	0.0	0.0	2.7	0.0	0.0
29		9.1	5.5	5.2	4.6	4.4	3.1	4.6	4.7	3.6	0.0	0.0	0.0	0.0	0.0	6.7	7.8
30		6.7	3.6	0.0	4.5	3.3	0.0	4.4	6.7	4.9	5.3	0.0	0.0	0.0	11.9	9.6	8.4
31		15.7	0.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	12.4	11.6
월	Month	26.8	28.3	15.6	21.8	25.7	29.0	29.0	11.9	9.2	14.9	22.8	18.6	19.6	16.6	16.5	16.5

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1988년 8월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NNW	북북서 CLM	
1	43	21	85	340	149	85	64	0	0	0	21	128	43	21	0	0	
2	0	21	125	208	208	271	42	21	21	0	21	63	0	0	0	0	
3	21	0	146	313	396	104	0	21	0	0	0	0	0	0	0	0	
4	0	0	0	125	688	167	21	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	83	833	83	0	0	0	0	0	0	0	0	0	
6	21	0	104	146	146	229	104	83	0	42	0	21	42	0	0	21	
7	63	21	42	42	42	63	0	0	63	21	0	0	63	250	167	125	
8	104	21	0	0	0	0	0	0	0	21	83	63	42	146	188	292	
9	313	21	0	0	0	0	0	0	0	0	0	0	0	167	354	146	
10	604	375	0	0	0	0	0	0	0	21	0	0	0	0	0	0	
11	271	0	0	0	0	0	0	0	0	0	0	0	0	21	208	500	
12	188	0	0	0	0	0	0	0	0	0	0	0	0	42	771	0	
13	271	21	0	0	0	0	0	0	0	0	0	0	42	63	146	458	
14	292	0	0	0	0	0	0	0	0	0	0	0	188	313	208	0	
15	0	0	0	0	0	0	0	0	0	0	42	229	417	229	83	0	
16	21	21	42	42	167	292	42	21	63	42	0	21	21	83	63	42	
17	82	20	0	41	0	0	0	0	61	102	143	20	122	61	224	122	
18	42	42	21	188	125	292	63	21	0	21	0	0	42	21	0	63	
19	271	63	104	229	83	21	0	0	0	0	0	21	0	42	83	63	
20	0	0	24	0	0	0	0	24	24	119	190	190	71	286	238	0	
21	109	0	0	0	0	0	0	0	0	0	0	0	0	22	543	326	
22	0	0	0	42	208	542	42	42	0	21	21	21	0	21	42	0	
23	0	0	0	63	271	521	146	0	0	0	0	0	0	0	0	0	
24	42	0	83	63	125	146	63	0	0	21	42	42	42	125	42	42	
25	0	0	0	21	271	396	229	42	42	0	0	0	0	0	0	0	
26	0	0	0	104	896	0	0	0	0	0	0	0	0	0	0	0	
27	128	21	149	128	43	21	85	0	64	0	0	21	0	43	128	85	
28	0	42	396	188	42	125	21	0	42	21	21	0	0	21	0	83	
29	208	21	104	188	83	42	83	146	42	0	0	0	0	21	21	42	
30	42	21	0	42	42	0	125	125	125	21	0	0	0	63	188	208	
31	188	0	21	0	0	0	0	0	0	0	0	0	0	83	542	167	
월 Month	108	24	47	81	133	135	42	19	18	11	16	26	30	59	118	118	15

89251 남극 세종과학기지(King Sejong Station)

1988년 9월

요소 Element	일 Date																															월 Month		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
기압 평균 Ave. Station	978	996	997	994	1008	1011	997	986	981	973	975	972	991	1002	1013	992																		
최고 Highest	1010	1007	998	1000	1012	1003	987	989	968	963	973	987	983	995	999																			
나타난 시간 Time	985	1003	1003	1001	1013	1013	1006	990	986	978	977	981	997	1008	1015	1016																		
(hPa)	1013	1008	1006	1004	1016	1015	995	995	981	973	976	992	989	1003	1003																			
최저 Lowest	2400	2130	0030	2300	1930	0030	0030	1600	0030	0030	1030	2330	2100	2400	1400																			
Air Press.	0030	0030	0030	0030	1500	0030	2330	0030	0030	0030	2400	2230	1630	0030	2400	0030																		
나타난 시간 Time	975	985	988	989	1001	1005	980	977	978	972	971	969	981	997	1008	958																		
기온 평균 Average	1008	1006	992	994	999	988	982	981	964	958	968	976	979	984	997	25일																		
평균최고 Ave. Maximum	0030	0030	2030	0130	0030	2230	2400	0230	2130	0930	2330	0300	0030	0030	0030																			
평균최저 Ave. Minimum	1000	0230	1330	2000	0030	2400	0430	2300	1500	0800	1600	0030	1200	0030	0930																			
온도	-3.7	-5.9	-1.2	-0.3	-1.3	-0.9	0.3	-0.1	0.1	-1.0	-5.5	-5.7	-3.4	-5.4	-4.3	-3.2																		
(℃)	-0.1	-3.1	-3.7	-5.1	-7.8	-1.0	-0.3	0.0	-1.8	-5.8	-5.2	-7.5	-5.8	-9.5	-0.9																			
최고 Highest	-0.6	-2.3	1.2	1.7	0.0	0.3	1.2	1.5	1.9	3.2	-4.1	-3.9	4.4	-2.4	2.4	4.4																		
나타난 시간 Time	2.4	-0.2	3.7	-0.9	-3.0	0.3	0.5	1.9	1.2	0.0	-0.8	-3.0	-3.0	-6.5	1.9	13일																		
최저 Lowest	0030	1130	1430	1200	1230	2330	2400	0100	0130	1400	0030	2400	1130	1230	1230																			
Air Temp.	1100	1330	1200	1400	1400	1500	1100	1000	1030	1100	1200	1430	0430	2400	1130																			
나타난 시간 Time	-6.7	-10.6	-9.5	-2.7	-2.8	-2.3	-0.5	-4.1	-1.5	-4.2	-6.6	-7.0	-5.5	-6.4	-9.1	-12.5																		
평균추위 온도(℃)	-3.1	-7.0	-8.2	-10.9	-12.5	-3.1	-1.0	-2.2	-7.9	-10.2	-8.9	-10.2	-10.0	-11.6	-6.7																			
Average Dewpoint Temperature	1830	1900	0130	2400	0130	1730	0200	1730	2400	2400	0630	1600	1730	2230	0700																			
평균추위 온도(℃)	-6.9	-10.1	-4.8	-2.6	-3.5	-3.5	-2.3	-3.1	-2.5	-4.2	-8.5	-9.0	-8.1	-8.7	-9.3																			
Average Dewpoint Temperature	-3.1	-6.3	-6.8	-9.2	-12.7	-3.3	-2.4	-2.2	-4.1	-8.9	-8.4	-11.4	-8.7	-12.8	-3.9																			

1988년 9월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month

강수량(mm)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total Precipitation	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
평 균 Average	89.	84.	86.	91.	91.	91.	90.	86.	89.	85.	88.	88.	80.	89.	80.	88.	88.
최 소 Lowest	89.	89.	88.	86.	82.	92.	92.	91.	91.	88.	87.	86.	90.	90.	89.	89.	50.
나타난 시간 Time	81.	69.	62.	84.	89.	86.	85.	64.	80.	66.	81.	74.	53.	76.	50.	80.	15일
(1%) R.H.	79.	81.	73.	73.	60.	90.	90.	88.	89.	77.	73.	65.	81.	84.	80.	1230	1230
	0330	1130	0230	1200	1230	1530	0400	2330	2400	1400	1800	2400	1130	1230	1230	0930	0930
	0030	1430	2300	2200	1130	1430	1130	0930	0130	1230	1030	1430	0400	2400	0930		

평 균 24 hour ave.	7.3	3.0	9.5	5.2	4.0	10.5	14.7	6.5	8.8	10.1	7.9	5.5	3.3	2.5	3.4	8.0
합 성 풍 향 Direction	8.3	4.4	4.4	13.6	5.8	9.6	9.0	10.9	10.7	10.0	9.6	6.3	14.0	12.3	9.5	
순 간 최 대 Greatest Gust	SSW	NNE	N	NNW	NNW	N	NNE	N	NE	E	ENE	SSE	SSW	SE	N	N
(m/s) 풍 향 Direction	NW	ENE	NNW	SW	NNW	N	E	NNW	NE	NE	NE	ENE	E	E	N	
Wind	18.1	11.6	19.6	10.7	9.9	20.3	26.8	17.6	20.2	21.4	20.6	17.2	11.8	7.0	13.5	30.6
	17.7	13.0	16.4	26.6	17.8	16.9	18.2	26.3	21.2	23.5	20.6	18.7	30.6	27.0	23.0	28일
	W	SSW	N	NNW	NNW	N	N	N	N	E	ENE	SSE	SSE	SSE	NNE	ENE
	N	WNW	SW	W	WSW	N	WNW	N	N	E	ESE	E	ENE	E	N	
나타난 시간 Time	0230	0330	1000	0930	2300	2300	0800	2400	0600	2200	0200	2230	0030	2030	2330	
	0230	0230	1830	2000	0030	1500	1630	1400	0800	1600	1900	0400	2200	0130	0930	

구름(1/8)	4.1	0.8	8.0	6.8	7.4	7.6	7.9	3.0	6.6	6.7	7.0	8.0	4.9	7.9	3.7	6.5
Average Amount of Cloud	7.3	3.6	5.4	6.6	3.1	8.0	7.9	7.8	7.8	7.9	7.5	7.8	8.0	8.0	7.8	

폭풍설 시작 시간 Start Time																0600
Blizzard																1200
계속 시간 Duration of Blizzard																3000
																3730

1988년 9월

요소 Element	일 Date																															월 Month																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																				
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	6282	8334	4181	6531	6095	7165	5851	6573	4500	6754	6997	5520	8488	6090	9805	8314	9410	5678	7415	11735	5661	15560	6673	5409	7824	6515	7632	5388	7995	6489	216868																				
적설 최심 Max. Depth Snow Cover	163.0																150.0	160.0																155.0	129.0																126.0
신적설 합계 Total	0.2	-	0.4	-	-	-	-	-	0.7	-	0.3	9.6	-	-	-	-	-	3.6	-	1.2	3.5	-	0.5	0.0	-	-	0.0	0.0	-	-	-	-	20.0																		
눈 Snow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.6																		
최심 Max. Depth 나타난 날 Date	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12일																		
맑음 Clear	v																															I																			
개암 Cloudy	v																															7																			
흐린 Cloudy	v																															22																			
눈 눈 Snow	v																															11																			
비 Rain	v																															0																			
진눈깨비 Sleet	v																															1																			
안개 Fog	v																															6																			
박무 Mist	v																															0																			
Meteo. Phenomena																																																			
유빙 Drift Ice (Marian Cove/Maxwell Bay)																																																			
MB해빙 MC결빙 MB결빙 MB결빙																																MB이남해빙 MB결빙해빙 MC결빙 MC일부해빙 MB해빙																			

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1988년 9월

요소 일 Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	9.0	11.4	18.1	16.3	14.2	0.0
2	9.0	6.4	4.7	6.2	5.4	4.1	0.0	4.4	9.6	11.6	7.4	0.0	0.0	2.4	0.0	7.6
3	19.6	19.2	14.2	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	7.9
4	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	9.4	10.7
5	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	8.0	9.9
6	20.3	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9
7	26.8	22.2	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	17.6	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	6.2	6.1
9	20.2	19.3	8.7	6.9	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	11.6
10	9.0	18.9	18.7	9.7	21.4	21.0	15.1	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0
11	0.0	3.3	0.0	20.6	20.1	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	2.7	10.3	11.7	17.2	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	2.1	2.0	4.7	8.2	9.0	11.8	9.7	7.2	3.0	7.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	2.2	6.6	6.1	7.0	6.5	5.5	6.4	5.3	5.1	4.6	0.0	1.6
15	13.4	13.5	2.2	2.5	1.8	4.9	5.4	0.0	2.0	2.1	0.0	0.0	0.0	0.0	9.9	10.6
16	17.7	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	14.4
17	4.7	0.0	10.9	12.6	11.4	7.5	6.4	0.0	2.1	0.0	0.0	0.0	3.2	13.0	10.7	6.1
18	8.9	0.0	6.0	4.5	0.0	4.3	0.0	9.5	13.2	12.1	16.4	9.0	9.9	8.7	9.8	8.5
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	25.3	26.6	21.1	0.0	0.0	0.0
20	8.1	6.9	5.3	8.2	11.3	11.4	9.6	0.0	0.0	13.9	17.8	9.0	9.6	13.2	9.7	9.7
21	16.9	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	13.3
22	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	18.2	12.1	13.8
23	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	16.8
24	21.2	18.9	13.7	12.8	14.5	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	13.5	17.5	17.8	9.7	23.5	19.4	0.0	0.0	5.2	0.0	0.0	0.0	18.1	4.7	0.0	8.5
26	17.6	20.3	7.8	15.9	18.7	20.6	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	10.6
27	0.0	0.0	9.1	18.7	18.7	16.5	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	30.6	30.0	26.2	22.5	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	9.9	13.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	23.0	21.0	0.0	3.8	0.0	1.7	2.7	0.0	3.6	5.0	0.0	0.0	0.0	0.0	13.7	13.6
월 Month	26.8	22.2	18.7	30.6	30.0	26.2	22.5	20.4	14.5	12.1	18.9	25.3	26.6	21.1	16.2	16.8

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1988년 9월

요소 일 Date	Element	N	NNE	북북동	북동	ENE	동북동	동	E	ESE	동남동	남동	SE	SSE	남남동	남	S	SSW	남서	SW	WSW	서남서	서	W	WNW	북서	북북서	정은
1		21	0	0	0	0	0	0	0	0	0	0	0	0	0	104	63	83	125	229	271	188	0	0	0	0	0	
2		146	83	63	167	146	63	0	0	42	83	83	0	0	0	0	0	0	0	0	0	21	0	21	0	21	0	0
3		619	238	48	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	48	0	24	48	0
4		152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	283	543	0	283	543	0	0
5		104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	354	438	0	354	438	0	0
6		854	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	104	0	0
7		479	500	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		542	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	229	104	0	229	104	0	0
9		583	188	83	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		21	271	229	21	125	208	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	21	0	229	458	271	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	21	188	188	313	208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
13		0	0	0	21	104	167	63	167	167	208	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
14		0	0	0	0	21	63	104	21	146	229	146	83	63	63	63	63	63	63	63	63	63	63	63	63	63	63	42
15		125	104	21	63	21	146	83	0	21	21	0	0	0	0	0	0	0	0	0	0	0	0	63	146	188	0	0
16		646	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	208	0	125	208
17		21	0	63	229	125	21	146	0	21	0	0	0	0	0	0	0	0	0	0	21	104	146	21	83	21	83	21
18		42	0	0	42	21	0	21	0	83	146	146	42	83	42	83	42	83	42	83	42	83	42	83	42	83	42	83
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		21	63	21	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
21		468	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		583	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		458	104	104	83	21	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		104	208	83	83	375	21	0	21	0	0	0	0	0	0	0	0	0	0	0	21	21	0	63	0	63	0	0
26		167	188	21	146	104	125	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	125	0	42	125
27		0	0	167	417	208	125	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
28		0	0	0	104	521	229	104	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	146	208	646	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		458	229	0	21	0	21	21	0	21	42	0	0	0	0	0	0	0	0	0	0	0	0	42	146	0	42	146
월	Month	224	79	38	63	99	65	32	22	29	28	19	22	45	43	79	97	97	17									

89251 남극 세종과학기지(King Sejong Station)

1988년 10월

요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month
기압 평균 Ave. Station	1003	1000	993	994	987	978	979	989	989	1003	1003	987	988	1000	1012		1000
최고 Highest	1016	1016	1015	1013	1006	1003	1002	1007	1012	1024	1017	997	987	990	994	990	990
압 (hPa)	1017	1017	1016	1016	1011	1004	1006	1008	1017	1025	1024	1007	991	995	995	994	1025
나타난 시간 Time	1930	0030	0030	1900	0030	0130	2330	1330	2400	1730	0030	0030	2130	2300	2230		25일
최저 Lowest	1700	0030	1530	0030	0030	0030	2100	2130	0100	*	*	*	0700	2100	0030	0030	1000
Air Press.	1000	998	985	987	976	974	974	986	986	994	994	984	985	993	1008		974
나타난 시간 Time	1015	1013	1013	1011	1004	1002	1000	1005	1008	1022	1007	989	986	985	993	985	6일/7일
기온 평균 Average	-0.7	0.5	2.4	0.0	1.1	0.5	-2.8	-2.8	-0.9	-1.8	0.2	-1.0	-6.5	-9.0	-6.9		-2.6
평균최고 Ave. Maximum	-3.7	-7.3	-7.4	-3.1	-1.1	-2.9	-5.1	-5.9	-5.7	-1.2	-2.8	-2.0	-2.5	-1.3	-1.1	-1.0	0.3
평균최저 Ave. Minimum																	-4.7
온도 (℃)	0.4	1.9	6.1	1.8	2.6	3.2	-1.0	-0.8	0.8	0.0	3.6	4.7	-5.0	-8.4	-3.4		8.4
나타난 시간 Time	-1.5	-5.2	-3.1	8.4	1.8	-1.6	-4.0	-3.9	-1.3	5.0	-3.5	2.6	-1.8	0.3	1.2	1.7	19일
최저 Lowest	0930	2400	1530	0900	0200	1600	1000	2030	1330	1500	2100	0600	0030	0630	1230		1330
Air Temp.	1100	1430	1400	1130	1030	1530	1130	0800	1400	*	*	*	1530	0930	0930	1330	10.4
나타난 시간 Time	-1.4	-0.7	0.0	-0.8	0.0	-2.9	-4.5	-4.7	-1.6	-2.9	-1.9	-5.1	-8.8	-10.0	-10.4		-10.4
평균습점온도(℃)	-5.7	-9.7	-9.4	-9.2	-3.3	-5.6	-5.9	-7.2	-7.7	-5.3	-6.7	-4.8	-3.2	-2.4	-2.8		15일
Average Dewpoint Temperature	2030	0030	2400	1500	1000	2200	1730	0530	0700	0900	0400	2400	2330	1930	0230	0200	
	2400	0600	0600	0100	0030	2400	0030	2400	0100	*	*	*	0600	2130	2200	0200	
평균습점온도(℃)	-2.9	-1.2	0.1	-2.2	-1.6	-2.7	-6.3	-7.1	-3.6	-5.8	-2.8	-3.5	-9.6	-12.7	-12.1		-6.4
Average Dewpoint Temperature	-7.6	-12.2	-14.1	-10.0	-5.5	-7.4	-8.0	-10.2	-10.0	-6.7	-7.1	-7.2	-4.6	-3.5	-4.3		-4.9

1988년 10월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	월
강수량(mm)	0.0	0.0	28.5	-	-	0.5	-	0.0	-	0.0	-	0.0	0.0	0.0	-	-	29.0
Total Precipitation	-	-	-	-	-	0.0	0.0	-	-	-	-	-	0.0	0.0	-	0.0	0.0
평 균 Average	92.	93.	91.	92.	89.	87.	88.	83.	91.	85.	89.	91.	91.	91.	89.	81.	86.
최 소 Lowest	87.	83.	74.	71.	83.	82.	91.	86.	85.	75.	83.	79.	93.	92.	88.	85.	85.
나타난 시간 Time	88.	92.	83.	83.	79.	76.	81.	63.	85.	72.	85.	82.	87.	83.	68.	36.	36.
(1%) 나타난 시간 Time	77.	73.	45.	36.	67.	73.	89.	78.	67.	50.	51.	55.	92.	89.	78.	73.	19일
R.H.	0830	1700	1530	0930	0200	1630	1000	0800	1330	1500	1030	0330	1930	2200	1230	0930	1330
	1130	1730	1200	1130	1030	1130	1900	0830	1500	*	*	*	0730	0930	0930	1330	
평 균 24 hour ave.	7.8	12.6	14.4	10.6	14.2	9.0	8.0	8.8	5.7	5.1	3.2	9.8	13.9	12.9	6.5	6.5	7.9
합성 풍 향 Direction	2.5	7.0	8.7	4.0	5.7	5.5	12.4	7.5	6.3	1.3	2.1	9.9	11.7	9.6	6.6	2.6	2.6
순 간 최 대 Greatest Gust	NW	N	N	NNW	NNE	NE	E	WNW	NW	NE	SSW	ESE	E	ESE	ESE	ESE	E
(m/s) 풍 향 Direction	N	ESE	ESE	ENE	NE	ENE	E	E	E	WNW	NE	E	ESE	ESE	E	ESE	E
Wind	15.3	23.0	28.2	18.0	30.7	21.1	19.1	24.6	13.1	10.1	13.8	23.6	26.9	22.9	18.6	15.6	30.7
	6.6	19.5	22.2	16.4	15.6	13.2	24.8	20.4	11.3	0.0	0.0	20.8	22.0	18.8	15.6	7.4	5일
	N	N	N	N	NNE	N	ENE	W	WNW	SSW	NNE	ESE	E	ESE	E	ESE	NNE
	ESE	ESE	E	NE	NNE	SE	ENE	ENE	ESE	*	*	E	ESE	ESE	E	ESE	E
나타난 시간 Time	1030	1700	2000	0700	2030	0200	0430	1130	0130	0100	2100	2000	0700	1200	0730	0700	1000
	2330	2330	1100	0400	1230	2400	1500	0600	1400	*	*	*	1000	0300	0700	1000	
구름(1/8)	8.0	8.0	8.0	8.0	8.0	7.4	7.5	7.5	7.1	7.5	8.0	7.7	8.0	8.0	6.4	6.4	6.8
Average Amount of Cloud	8.0	1.7	5.4	2.8	7.3	7.9	7.9	7.9	1.1	5.5	4.7	5.4	8.0	7.7	7.2	7.9	7.9
폭풍설 시작 시간 Start Time							0430					1100	2200				
폭풍설 끝 시간 End Time							1530						0200	1330	1300		
계속 시간 Duration of Blizzard							1100						2630	1500			6400
													1130				

1988년 10월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 31	Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	8256 6879	4792 19877	4272 16929	5667 20675	8529 13163	11005 5599	9028 9127	12139 14677	9281 3402	7792 *	7907 *	5757 *	6328 5650	5436 10869	15440 13249	275190 13465	
눈 Max. Depth Snow Cover	125.0																126.0
신적설 합 계 Total	-	-	-	-	-	0.3	-	0.2	-	3.2	-	0.0	0.0	0.0	-	-	4.4
Snow Fall Max. Depth 최 심 나타날 날 Date	-	-	-	-	-	0.0	0.0	-	-	-	-	-	0.0	0.5	-	-	3.2 10일
기상 현상	맑음 Clear	v							v								2
	개임 Partly Cloudy		v	v	v	v	v	v	v	v	v	v	v	v	v	v	5
	흐림 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	24
	눈 Snow	v				v		v		v		v	v	v	v	v	11
	비 Rain					v							v	v	v	v	3
	진눈깨비 Sleet																0
안개 Fog	v			v	v												5
박무 Mist																	0
유빙 Drift Ice (Marian Cove/Maxwell Bay)																	MC유빙

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1988년 10월

요소 일	Element Date	N	NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서남서 WNW	북서 NW	북북서 NNW
1		15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	14.1	14.4
2		23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0
3		28.2	26.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4		18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	17.7
5		21.1	30.7	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6		21.1	15.4	11.1	15.4	18.2	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7		0.0	0.0	0.0	19.1	18.2	18.8	11.3	4.8	6.7	0.0	8.1	8.8	6.3	5.9	3.9	0.0
8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	22.8	24.6	13.3	13.1	11.7
9		6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	11.8	13.1	12.5	8.9	8.0
10		9.7	8.1	9.6	10.0	6.7	5.7	5.0	8.0	7.5	10.1	8.5	0.0	0.0	6.7	6.7	8.0
11		0.0	13.8	11.9	0.0	0.0	0.0	3.2	5.3	5.2	5.1	1.8	1.3	4.3	7.0	6.7	9.6
12		4.4	5.7	0.0	8.2	22.4	23.6	12.0	9.0	6.4	0.0	0.0	5.9	0.0	0.0	0.0	0.0
13		0.0	0.0	0.0	0.0	26.9	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14		0.0	0.0	0.0	0.0	17.0	22.9	18.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15		2.9	0.0	2.0	11.0	18.6	17.5	6.7	7.2	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
16		4.7	2.1	1.9	0.0	5.8	6.6	4.5	2.9	0.0	0.0	2.7	1.9	2.0	1.9	3.7	5.7
17		0.0	0.0	0.0	0.0	12.6	19.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18		0.0	0.0	0.0	0.0	22.2	17.4	8.2	7.6	0.0	0.0	0.0	0.0	5.2	11.7	0.0	4.7
19		3.8	7.6	16.4	14.0	13.3	0.0	7.3	0.0	3.1	4.1	0.0	2.1	2.1	1.4	0.0	0.0
20		7.9	15.6	13.5	4.9	4.2	9.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21		0.0	9.9	8.0	9.0	12.1	13.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22		0.0	0.0	0.0	24.8	23.2	18.2	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23		0.0	0.0	0.0	20.4	14.8	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24		0.0	0.0	0.0	0.0	10.9	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27		0.0	0.0	16.6	15.6	20.8	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28		0.0	0.0	0.0	0.0	0.0	22.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29		0.0	0.0	0.0	0.0	18.2	18.8	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30		0.0	0.0	7.5	7.8	15.6	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31		1.7	2.6	4.1	2.6	3.7	7.4	6.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
월	Month	28.2	30.7	25.6	24.8	26.9	24.0	18.2	9.0	7.5	10.1	15.5	22.8	24.6	13.3	14.1	18.0

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1988년 10월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		83	0	0	0	0	0	0	0	0	0	0	0	0	63	563	292	0
2		625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375	0
3		833	167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		458	0	0	0	0	0	0	0	0	0	0	0	0	0	21	521	0
5		208	458	333	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		83	521	104	125	146	21	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	250	229	125	125	21	42	0	21	63	21	42	21	0	42
8		0	0	0	0	0	0	0	0	0	0	125	188	188	208	146	146	0
9		42	0	0	0	0	0	0	0	0	0	0	21	63	396	333	146	0
10		208	63	313	63	21	42	21	42	21	42	21	0	0	21	21	104	0
11		0	104	42	0	0	21	104	188	83	83	0	21	42	83	83	21	21
12		21	21	0	42	104	583	63	63	83	0	0	21	0	0	0	0	0
13		0	0	0	0	771	229	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	21	938	42	0	0	0	0	0	0	0	0	0	0
15		21	0	21	42	396	167	104	208	0	0	0	0	0	0	42	0	0
16		146	21	21	0	42	125	63	42	0	42	42	42	21	21	83	333	0
17		0	0	0	0	42	813	146	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	396	438	83	21	0	0	0	0	21	21	0	21	0
19		21	21	292	250	83	0	42	0	21	83	0	21	42	21	0	0	104
20		63	438	354	21	63	42	21	0	0	0	0	0	0	0	0	0	0
21		0	42	250	146	333	188	21	0	0	0	0	0	0	0	0	0	21
22		0	0	0	188	563	125	125	0	0	0	0	0	0	0	0	0	0
23		0	0	0	167	479	354	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	524	429	0	0	0	0	0	0	0	0	0	0	48
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000
27		0	0	43	130	652	174	0	0	0	0	0	0	0	0	0	0	0
28		0	0	0	0	750	250	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	208	500	292	0	0	0	0	0	0	0	0	0	0
30		0	0	167	271	375	188	0	0	0	0	0	0	0	0	0	0	0
31		83	42	21	42	104	396	271	21	0	0	0	0	0	0	0	0	21
월	Month	103	68	69	59	175	227	61	19	13	11	10	13	14	31	47	70	10

89251 남극 세종과학기지(King Sejong Station)

1988년 11월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	일	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	983	989	985	971	983	982	971	989	991	984	978	982	986	990	983	982	
최고 Highest	980	981	979	981	983	974	977	979	987	989	984	976	979	986	981	995	
나타난 시간 Time	985	993	993	977	986	984	978	992	995	992	980	985	988	992	992	9일	
최저 Lowest	987	987	981	984	984	980	978	985	988	991	991	978	980	990	986		
(hPa)	0030	1930	0030	2400	1330	0030	0030	1200	1700	0030	1900	2130	2130	2230	0030		
Air Press.	2200	0030	2300	2100	0030	0030	0500	2330	1600	2230	0030	1530	2100	1600	0030		
나타난 시간 Time	982	984	975	968	977	978	966	976	986	977	977	979	984	988	974	966	
	974	977	977	978	980	971	976	975	985	988	977	975	978	980	978	7일	
	0730	0030	2330	1030	0030	2330	1300	0030	0030	1600	0030	0030	0230	0030	1900		
	0030	2130	0030	0230	2330	1200	0030	0130	0030	0030	2330	0300	0030	0030	0930		
기온 평균 Average	-2.5	-1.1	-0.6	0.0	-2.6	-1.7	-1.5	-0.9	-2.1	-0.2	-1.9	-4.9	-4.1	-2.9	-0.7	-1.1	
평균최고 Ave. Maximum	0.5	2.6	0.8	-3.6	-0.8	1.5	-1.1	-2.7	-1.7	-0.9	0.1	0.7	0.7	-0.8	-1.4	1.7	
평균최저 Ave. Minimum																-3.4	
온도	-1.3	3.4	2.0	3.7	-1.1	0.3	0.5	7.9	3.8	2.6	0.2	-3.9	-1.0	-0.8	1.4	7.9	
최고 Highest	1.1	5.6	3.5	-0.8	1.6	6.1	0.3	-1.0	3.6	3.3	3.8	2.1	2.6	1.9	0.8	8일	
(℃)	1400	1130	2400	0900	1530	1730	1130	1330	1330	1800	0500	1130	1430	1130	2130		
나타난 시간 Time	1400	0600	1000	0230	0930	1130	1300	1200	1730	0930	1400	0200	1200	1430	0830		
최저 Lowest	-4.2	-4.0	-2.3	-4.5	-4.4	-3.3	-4.8	-5.2	-4.8	-2.6	-5.3	-5.9	-6.4	-6.1	-3.4	-6.4	
Air Temp.	-0.1	0.4	-1.1	-4.7	-3.5	-1.7	-1.9	-4.5	-4.1	-4.5	-2.7	0.0	-1.2	-2.4	-3.4	13일	
나타난 시간 Time	2230	0230	0030	2130	0030	0630	2400	0300	0530	0030	2400	2400	2400	0030	0230		
	0630	2230	2130	1900	0030	2400	0100	2130	0200	0200	0330	2000	2400	0330	2400		
평균습점온도(℃)	-6.4	-6.0	-5.0	-3.1	-6.6	-6.9	-4.3	-5.6	-7.3	-4.7	-4.4	-8.6	-9.7	-8.8	-4.4	-5.1	
Average Dewpoint Temperature	-1.6	0.1	-1.5	-7.3	-4.5	-2.2	-4.4	-7.8	-9.4	-7.1	-3.7	-1.8	-1.7	-5.0	-4.4		

1988년 11월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.0	-	-	-	-	-	0.0	0.0	-	-	0.0	-	-	-	-	0.0	10.9
Total Precipitation	0.0	1.4	7.4	0.0	-	-	-	-	-	-	1.0	0.8	-	-	-	0.3	
상 평	85.	78.	83.	87.	86.	78.	90.	79.	78.	80.	91.	88.	76.	72.	84.	84.	
대	92.	90.	91.	88.	86.	83.	88.	79.	63.	73.	85.	91.	92.	85.	89.	89.	
습	73.	56.	71.	76.	70.	61.	79.	43.	48.	63.	83.	82.	66.	61.	73.	39.	
도	90.	82.	81.	81.	75.	60.	76.	61.	39.	60.	68.	79.	84.	68.	78.	24일	
(1%)	2030	1130	1100	1430	1600	1130	1830	1330	1330	0800	1100	1130	1300	1030	0830		
R.H.	1030	1400	1130	1900	1030	0200	1400	0430	1700	0700	0600	0030	1200	1430	0230		
평	5.7	1.2	8.3	8.9	6.4	5.6	8.7	5.0	4.2	5.5	9.4	11.8	6.6	2.9	9.6	6.6	
바	7.7	9.3	3.4	9.7	6.7	5.6	4.1	6.3	3.9	6.3	7.5	7.2	5.3	7.1	8.0		
합성	E	ESE	NNE	E	NW	WNW	NW	WNW	NNE	NNE	E	E	E	WNW	NNE	E	
풍	NNW	N	ESE	E	NNW	E	WNW	E	NNE	E	NNE	NNW	N	ENE	ESE		
향	13.9	7.7	24.5	18.1	13.6	10.5	28.6	26.9	14.7	21.9	19.5	21.4	19.5	8.1	25.8	28.6	
대	14.4	19.0	13.0	20.1	15.7	13.2	10.7	14.3	12.0	16.6	21.2	15.4	13.5	17.7	19.6	7일	
최대	E	E	NE	ESE	WNW	NNW	SE	SE	ESE	NE	E	E	E	NNW	NE	SE	
풍	NNW	N	N	E	N	ESE	W	E	N	E	NE	NW	ESE	E	SE		
향	1600	0130	1830	1630	1700	1330	2300	0030	0430	1530	2130	0400	0330	2330	1500		
시간	2130	0930	0200	0600	0300	1830	1530	1100	1400	1900	1130	1400	2400	0430	2400		
시간	7.3	7.6	7.0	7.7	7.4	5.1	7.9	3.8	5.3	8.0	8.0	8.0	5.4	8.0	7.8	7.1	
평균	7.9	8.0	8.0	8.0	7.1	7.3	7.6	5.5	3.5	6.9	8.0	8.0	8.0	7.1	8.0		
구름(1/8)	2030																
Average Amount of Cloud	1600																
폭풍	1900																
시	0300																
작	0700																
시	0300																
간	1000																
시	0300																
간	1000																
End Time	0300																
Duration of Blizzard	1000																

1988년 11월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
수평면일사량(0.001MJ/m ²)	11567	11449	14769	11401	9671	18251	10746	24890	23879	12040	8954	15237	21667	13073	8434	443521
Hor. Global Solar Rad.	7234	9228	9434	12150	14238	16546	11526	23876	35326	25024	11843	8702	9498	22622	10247	
눈 Max. Depth Snow Cover	128.0															
신적설 합 계 Total	132.0															
눈 (cm)	3.6	-	-	-	-	-	6.2	0.0	-	-	1.5	-	-	-	0.0	16.0
최 심 Max. Depth Fall	1.6	-	0.0	0.0	-	-	-	-	-	-	0.9	0.0	-	-	2.2	6.2
날 Date																7일
맑 음 Clear																0
개 임 Partly Cloudy						v		v	v				v			6
흐 름 Cloudy	v	v	v	v	v	v	v	v		v	v	v	v	v	v	24
눈 Snow	v	v	v	v	v	v	v	v		v	v	v	v	v	v	11
비 Rain																4
진 눈 개 비 Sleet		v									v	v				2
안 개 Fog	v				v											3
박 무 Mist																0
유 빙 Drift Ice (Marian Cove/Maxwell Bay)																MC
																MC/MB
																MB
																MC/MB

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1988년 11월

일	Date	북	NNE	북동	북동	ENE	동	E	동남동	동남동	ESE	남동	남동	SSE	남	S	남남서	남서	SSW	SW	서남서	서	WSW	서	서북서	북서	북북서		
1		0.0	0.0	8.2	10.3	13.9	12.8	6.8	0.0	0.0	0.0	1.7	1.9	2.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2		0.0	1.6	0.0	4.9	7.7	5.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3		12.4	23.9	24.5	16.2	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4		0.0	15.4	16.9	13.6	0.0	18.1	15.3	0.0	2.7	0.0	2.7	0.0	2.7	0.0	2.1	13.4	13.6	11.8	9.9									
5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7		14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8		8.7	0.0	3.3	0.0	9.3	23.0	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9		5.0	3.5	0.0	0.0	13.1	14.7	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10		11.6	21.7	21.9	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11		9.6	0.0	0.0	9.9	19.5	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12		0.0	0.0	0.0	0.0	21.4	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13		0.0	0.0	0.0	0.0	19.5	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14		0.0	0.0	0.0	0.0	6.0	4.7	4.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15		17.5	22.0	25.8	15.1	8.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16		11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17		19.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18		13.0	0.0	0.0	6.2	8.6	11.0	7.6	6.1	5.1	5.1	6.1	4.0	5.2	4.0	5.2	4.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19		9.7	0.0	0.0	10.0	20.1	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20		15.7	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21		12.4	11.4	7.8	5.8	9.8	13.2	10.2	5.3	3.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22		7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23		3.7	5.6	7.8	7.7	14.3	14.0	2.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24		12.0	10.0	5.4	3.6	5.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25		0.0	0.0	6.9	12.6	16.6	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26		14.0	18.5	21.2	14.2	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27		13.3	11.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28		9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29		0.0	5.4	7.1	9.1	17.7	14.4	2.3	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
30		0.0	7.0	6.8	6.5	14.6	19.3	19.6	6.7	0.0	4.1	3.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
월	Month	19.0	23.9	25.8	16.2	21.4	23.0	28.6	22.0	17.1	13.3	11.5	10.2	13.4	13.6	15.4	14.4												

풍향별 관측횟수의 배분율 Rate of frequency for wind direction (unit : 0.1%)

1988년 11월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		0	63	167	542	208	21	0	0	0	0	0	0	0	0	0	0	0
2		0	21	0	42	146	42	21	0	125	21	21	21	0	63	21	104	354
3		250	146	375	104	0	0	0	0	0	0	0	0	0	0	0	42	83
4		0	125	292	125	0	208	188	0	63	0	0	0	0	0	0	0	0
5		0	0	0	63	167	21	42	21	0	21	0	21	208	167	208	63	0
6		0	0	0	0	0	0	0	0	0	0	0	63	396	229	125	188	0
7		250	0	0	0	0	0	83	42	42	125	83	0	21	125	188	0	0
8		63	0	21	0	42	146	104	0	0	146	21	83	146	83	146	0	0
9		146	83	0	0	125	250	0	21	0	0	0	42	21	104	21	83	0
10		229	104	417	83	0	0	0	0	0	0	0	0	0	21	0	125	21
11		63	0	0	21	313	417	0	0	0	0	0	0	0	42	146	0	0
12		0	0	0	0	0	917	83	0	0	0	0	0	0	0	0	0	0
13		0	0	0	0	833	167	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	42	83	104	21	0	42	21	63	146	188	125	167	0
15		313	104	458	42	21	21	0	0	0	0	0	0	0	0	0	42	0
16		208	0	0	0	0	0	0	0	0	0	0	0	42	479	271	0	0
17		875	42	0	0	0	0	0	0	0	0	0	0	0	0	83	0	0
18		208	0	0	42	42	250	125	42	42	104	42	21	21	0	0	21	0
19		63	0	0	63	354	458	0	0	0	0	0	0	0	21	42	0	0
20		313	63	0	0	0	0	0	0	0	0	0	0	229	188	208	0	0
21		21	167	83	21	83	438	83	42	21	42	0	0	0	0	0	0	0
22		21	0	0	0	0	0	42	63	42	0	0	0	63	438	188	63	83
23		21	21	83	146	104	521	21	63	0	0	0	0	0	0	21	0	0
24		563	104	21	83	83	42	0	0	63	42	0	0	0	0	0	0	0
25		0	0	21	417	521	42	0	0	0	0	0	0	0	0	0	0	0
26		438	125	208	208	0	21	0	0	0	0	0	0	0	0	0	0	0
27		63	83	83	0	0	0	0	0	0	0	0	0	0	479	292	0	0
28		250	0	0	0	0	146	0	21	0	21	0	0	0	83	458	0	0
29		0	42	42	83	563	83	21	0	21	0	0	0	21	83	42	0	0
30		0	21	21	21	208	458	167	42	0	21	21	0	0	0	0	0	0
월	Month	145	42	73	58	170	137	34	13	14	10	15	13	31	56	78	90	22

89251 남극 세종과학기지(King Sejong Station)

1988년 12월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	982	982	989	991	994	997	988	985	979	978	970	969	965	966	977	983	
최고 Highest	976	972	981	981	984	978	986	987	989	993	989	986	991	991	984	984	
압 (hPa)	981	980	982	984	986	982	987	987	991	993	992	989	993	994	993	988	
나타난 시간 Time	0530	2130	2330	1800	2230	0330	0030	0030	2100	0030	0030	0130	0030	2130	2330		
최저 Lowest	0030	2330	0400	2330	0600	2230	1330	0030	2030	0500	0030	2000	1000	1700	0030	1000	
Air Press.	977	977	987	990	992	993	987	978	976	976	965	967	963	963	971	963	
나타난 시간 Time	967	968	979	979	981	976	982	986	986	991	985	984	988	987	972	977	
	2100	0030	0030	0030	0030	2330	1200	2400	0600	1530	1630	1430	2130	0030	0030	13일/14일	
	2100	0030	2330	0030	2300	0630	0030	2000	0100	0030	2100	0130	2230	0330	1900	0030	
기온 평균 Average	-3.0	-3.9	-0.6	-0.4	0.1	0.4	-0.9	0.4	1.4	1.2	1.0	0.1	-1.4	0.2	0.0	0.5	
평균최고 Ave. Maximum	1.7	2.6	1.5	0.5	-0.2	1.1	0.1	-0.5	-1.0	0.4	1.0	-1.0	1.5	3.0	6.5	4.5	
평균최저 Ave. Minimum																	
온도 (°C)																	
최고 Highest	-1.2	-1.6	4.7	2.1	3.9	7.0	1.4	2.0	4.0	3.0	3.8	10.4	-0.3	7.8	1.1	10.4	
나타난 시간 Time	4.6	4.8	5.6	1.5	1.1	4.5	1.7	0.3	0.6	3.5	5.5	0.6	4.1	5.9	8.8	8.8	
Air Temp.	1230	1300	0900	0900	1130	0830	1100	1400	1430	1200	1130	1730	2230	0330	1430	2230	
최저 Lowest	-4.0	-5.2	-5.0	-1.4	-1.5	-2.6	-2.8	-2.8	-0.6	-0.5	-1.3	-2.4	-2.6	-2.6	-1.4	-5.2	
나타난 시간 Time	-0.4	-0.2	-0.3	-0.3	-1.6	-1.3	-0.9	-1.7	-1.9	-1.2	-1.2	-2.4	-0.1	1.7	4.4	2.0	
	0630	0500	0200	2230	0100	2330	2330	0030	2230	0030	2000	2230	0100	0030	2100	0800	
	0030	2400	0100	0300	1900	0030	0030	2400	0300	0030	2030	0930	0100	0830	2100	0800	
평균습점온도(°C)	-6.1	-8.6	-6.9	-4.9	-4.1	-3.6	-5.2	-3.7	-2.5	-1.7	-0.9	-1.7	-5.3	-4.1	-3.6	-3.3	
Average Dewpoint Temperature	-1.7	-0.1	-2.4	-2.9	-3.9	-1.8	-4.0	-5.8	-4.9	-4.4	-4.2	-4.0	-2.0	0.6	0.7	-0.1	

1988년 12월

요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31															
강수량(mm)	0.0	0.0	-	0.0	-	-	-	-	-	1.6	19.5	6.0	0.5	1.1	0.0	0.0	41.1															
Total Precipitation	0.7	2.6	-	-	-	1.4	0.2	-	0.0	-	0.3	2.2	0.1	4.5	0.4	0.0																
평 균 Average	91.	82.	70.	81.	82.	83.	82.	83.	82.	89.	92.	90.	84.	82.	87.	84.																
최 소 Lowest	86.	90.	83.	87.	88.	89.	85.	78.	87.	79.	77.	90.	88.	92.	72.	80.																
(1%) 나타난 시간 Time	84.	68.	51.	63.	61.	55.	70.	70.	70.	81.	89.	52.	75.	51.	77.	48.																
R.H.	65.	84.	68.	80.	81.	78.	75.	71.	80.	64.	55.	79.	80.	86.	48.	51.																
	1300	1200	1200	1000	1400	1100	1000	0930	1400	0930	0730	1400	1500	0830	1300	2030																
	1330	0930	0900	1330	1130	0830	2400	0730	0030	1400	1130	1830	0900	0330	1430	2030																
평 균 24 hour ave.	13.3	13.0	1.9	2.9	4.9	3.2	3.5	4.6	5.1	7.6	6.5	4.0	5.0	4.3	7.6	7.0																
합 성 풍 향 Direction	6.1	7.9	3.7	2.6	5.1	5.2	7.5	11.7	9.3	3.0	5.9	8.2	7.6	7.7	21.4	15.7																
순 간 최 대 Greatest Gust	ESE	ESE	SSE	NW	W	NW	SE	NNW	NE	N	E	ENE	WNW	WNW	WNW	N																
(m/s) 풍 향 Direction	N	N	SE	NW	NNW	ESE	ENE	E	ESE	S	ENE	SSE	NW	N	NNE	N																
Wind	24.7	25.9	11.9	9.5	13.5	9.3	9.9	17.8	18.4	14.2	15.5	12.9	10.8	13.0	12.9	43.3																
	13.6	17.9	10.8	7.0	10.5	14.7	14.0	22.0	19.3	8.9	17.7	19.0	18.1	22.1	43.3	36.4																
	ESE	ESE	E	N	SW	SW	ESE	ESE	NNE	NNE	N	ESE	WNW	WNW	WNW	NNE																
	N	N	ESE	NW	NNW	E	E	E	E	ESE	E	SSE	NNE	N	NNE	NNE																
	2130	0100	0230	1430	2330	0030	1300	2400	0100	1530	0200	1530	1700	2330	0030	0030																
	2200	1030	1530	1200	2000	2330	0100	2200	0500	0030	2100	1130	2300	2400	1900	2400																
구름(1/8)	7.0	7.3	7.6	7.8	6.9	4.8	7.7	6.2	5.9	7.8	8.0	7.8	7.7	7.0	8.0	7.2																
Average Amount of Cloud	7.7	8.0	7.0	7.5	5.8	7.8	8.0	7.2	7.4	6.9	6.7	7.3	7.3	7.6	7.0	6.2																

폭풍설 시작 시간 Start Time
 Bliz- 끝난 시간 End Time
 zard
 계속 시간 Duration of Blizzard

현상없음(NO OCCURRENCE)

1988년 12월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	월
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수평면일사량(0.001MJ/㎡)	21633	20454	20668	12157	20817	24486	15375	18999	20445	15969	8145	12590	11528	16885	14987	530449	
Hor. Global Solar Rad.	17169	11304	25179	18714	18635	8973	12813	14012	13437	23113	19820	20684	19623	8268	22631	20936	

눈 Max. Depth Snow Cover	125.0															
최 설 Max. Depth Snow Cover	94.0															
최 심 Max. Depth Snow Cover	10.0															

신적설 합 계 Total	0.0	0.0	-	0.0	-	-	-	-	-	-	-	13.0	5.5	0.4	0.6	0.0	24.8
눈 Snow Fall	0.3	-	-	-	-	0.3	0.0	-	-	-	-	2.5	2.2	-	-	-	13.0
최 심 Max. Depth Snow Cover	-	-	-	-	-	0.3	0.0	-	-	-	-	2.5	2.2	-	-	-	11일

맑 음 Clear																	0
개 임 Partly Cloudy					v												3
흐 림 Cloudy																	28
눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	13
비 Rain																	10
진 눈 Sleet																	0
안 개 Fog																	0
박 무 Mist																	0
유 빙 Drift Ice (Marian Cove/Maxwell Bay)																	MC
																	MC/MB
																	MC

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1988년 12월

요소 일 Date	북 N	북북동 NNE	북동 ENE	동 E	동남동 ESE	남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NNW			
1	0.0	0.0	0.0	21.6	24.7	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
2	0.0	0.0	0.0	10.8	25.9	23.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
3	0.0	0.0	0.0	5.0	11.9	11.0	0.0	1.0	1.8	2.9	0.0	3.4	2.9			
4	9.5	0.0	2.3	0.0	0.0	0.0	2.7	7.9	7.2	6.3	2.2	4.5	0.0			
5	0.0	3.2	0.0	0.0	0.0	0.0	0.0	9.3	13.5	11.5	10.9	11.2	3.8			
6	6.4	0.0	0.0	3.3	0.0	0.0	2.7	0.0	9.3	9.1	9.0	7.1	7.8			
7	0.0	0.0	2.6	4.0	0.0	9.9	8.1	7.3	1.4	0.0	2.3	2.4	2.2			
8	13.0	17.8	0.0	2.1	1.8	1.7	0.0	0.0	0.0	0.0	0.0	4.7	8.9			
9	0.0	18.4	17.1	11.2	15.0	8.7	0.0	1.4	0.0	2.7	0.0	4.1	4.5			
10	14.2	6.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
11	15.5	0.0	0.0	5.3	7.2	15.1	10.2	8.1	3.5	2.9	0.0	2.4	0.0			
12	6.5	2.5	0.0	0.0	6.6	12.9	9.1	0.0	4.0	1.4	0.0	1.5	1.7			
13	0.0	0.0	1.9	0.0	0.0	5.1	0.0	0.0	0.0	0.0	10.7	10.8	6.8			
14	6.6	5.3	0.0	1.8	0.0	0.0	0.0	2.0	4.4	8.4	12.4	13.0	7.4			
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	11.5			
16	13.6	12.9	10.4	9.7	8.7	11.5	9.7	0.0	0.0	0.0	0.0	9.5	9.5			
17	17.9	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	8.1			
18	5.4	0.0	2.4	2.3	9.4	10.8	6.5	5.6	6.0	0.0	0.0	4.8	6.6			
19	4.8	2.9	0.0	0.0	1.3	0.0	0.0	3.1	0.0	2.5	0.0	4.5	3.5			
20	8.6	9.1	9.3	4.3	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9			
21	0.0	7.2	7.1	9.3	14.7	14.5	8.1	5.6	3.8	4.6	3.3	3.9	0.0			
22	0.0	0.0	10.2	12.3	14.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
23	0.0	0.0	0.0	12.2	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
24	0.0	0.0	0.0	0.0	19.3	18.2	9.9	0.0	0.0	0.0	0.0	0.0	0.0			
25	5.7	0.0	0.0	0.0	8.9	8.8	6.1	5.7	5.8	0.0	1.6	2.5	3.2			
26	6.7	9.1	10.3	14.2	17.7	14.6	6.8	0.0	5.1	0.0	0.0	0.0	0.0			
27	0.0	0.0	0.0	0.0	0.0	14.9	18.2	19.0	8.0	4.2	3.0	0.0	6.9			
28	16.4	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	9.2	7.3			
29	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7			
30	26.8	43.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
31	36.2	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6			
월 Month	36.2	43.3	17.1	14.2	22.0	25.9	23.2	19.0	8.1	9.3	13.5	11.5	12.4	13.0	11.5	18.6

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1988년 12월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	경은 CLM
1	0	0	0	0	333	458	208	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	42	792	167	0	0	0	0	0	0	0	0	0	0
3	0	0	0	104	167	83	0	21	21	83	0	83	42	21	104	42	229
4	229	0	42	0	0	0	0	42	63	42	104	21	63	0	83	229	83
5	0	21	0	0	0	0	0	0	0	42	146	125	333	208	63	63	0
6	83	0	0	83	0	0	0	0	21	0	42	42	83	229	229	188	0
7	0	0	21	104	0	292	104	21	21	0	21	42	42	0	0	0	63
8	104	83	0	42	63	21	0	0	0	0	0	63	271	146	167	42	0
9	0	63	417	146	146	63	0	21	0	0	21	0	21	104	0	0	0
10	917	21	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	333	0	0	0	21	42	292	125	21	21	21	0	21	0	21	83	0
12	271	21	0	0	42	229	125	0	21	42	0	0	42	0	0	42	146
13	0	0	21	0	0	64	0	0	0	0	0	0	213	489	64	85	64
14	104	21	0	42	0	0	0	0	0	21	42	42	208	208	125	42	146
15	0	0	0	0	0	0	0	0	0	0	0	0	0	688	313	0	0
16	271	167	83	21	42	42	63	0	0	0	0	0	0	42	188	83	0
17	604	104	0	0	0	0	0	0	0	0	0	0	0	63	83	146	0
18	63	0	21	21	63	167	63	83	208	125	0	0	21	21	0	146	0
19	104	21	0	0	21	0	0	0	63	0	42	0	21	21	438	167	104
20	63	63	42	21	21	0	0	0	0	0	0	0	0	0	229	500	63
21	0	21	21	104	83	417	83	21	21	83	42	21	0	21	21	42	0
22	0	0	0	63	938	42	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	167	792	42	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	167	792	42	0	0	0	0	0	0	0	0	0	0
25	104	0	0	0	167	63	83	104	292	0	0	0	21	42	63	0	63
26	167	146	104	250	188	104	21	0	21	0	0	0	63	83	0	0	0
27	0	0	0	0	0	104	333	313	42	42	21	0	229	167	83	83	0
28	292	146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	438	0
30	333	667	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	729	208	0	0	0	0	0	0	0	0	0	0	0	0	0	63	0
월 Month	172	57	30	48	87	125	56	26	20	26	16	13	48	86	73	84	32

남극 세종기지 기상년보

ANNUAL WEATHER REPORT ANTARCTIC KING SEJONG STATION



1989

한국해양연구소 극지연구센터
POLAR RESEARCH CENTER, KORDI

89251 남극 세종과학기지(King Sejong Station)

1989년 1월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	월	
기압 평균 Ave. Station	977	979	983	983	991	1000	996	991	993	991	987	979	975	984	987		991	
최고 Highest	980	993	994	994	997	999	997	994	995	998	1001	1003	998	995	993		990	
압 나타난 시간 Time (hPa)	991	994	994	996	998	1000	999	995	997	1000	1003	1003	1002	996	994		993	26일/ 27일
최저 Lowest	0030	2200	1730	2300	2330	0900	0030	0600	1800	0030	0730	0030	2230	1930	1800		0030	0030
Air Press.	1700	1500	0030	2100	1830	1400	0030	0030	1730	1800	2130	0030	0030	1100	0030		0030	0030
기온 평균 Average	3.8	1.2	1.3	1.8	1.6	1.5	3.3	3.2	1.5	3.9	2.6	2.6	1.9	2.3	3.7		1.5	
평균 최고 평 균 최저	2.7	0.8	-0.1	0.1	0.0	0.0	-0.1	-0.6	-0.6	1.1	1.2	1.3	-0.3	-0.4	2.1		3.1	
온도 (°C)	6.9	1.9	2.6	3.7	5.5	3.9	4.7	5.8	3.4	6.5	3.9	4.1	2.7	4.1	8.1		8.1	
최고 Highest	6.0	2.6	1.7	1.7	2.0	2.4	1.2	1.8	1.5	4.4	3.1	5.7	1.6	0.9	4.0		7.1	15일
나타난 시간 Time	0030	0030	1530	1500	1900	1330	1830	1300	1500	1400	1100	0700	1830	1600	1800			
Air Temp.	1100	0030	1500	1600	1600	1530	0830	1430	1130	1600	1930	1230	1430	2400	1100		1230	
최저 Lowest	1.6	0.1	-0.3	0.5	-0.3	-1.3	1.7	2.2	-0.9	-0.9	1.3	1.5	0.7	0.8	0.5		0.5	-3.3
나타난 시간 Time	-0.5	-0.8	-1.2	-0.9	-1.2	-1.3	-2.0	-2.5	-2.3	-1.0	-1.5	-2.0	-2.5	-3.3	0.6		1.6	29일
평균습점온도 (°C)	0.2	-0.9	-1.5	-2.2	-2.5	-1.5	0.4	0.7	-0.6	1.4	0.0	0.3	0.0	0.0	0.8		0.8	-2.4
Average Dewpoint Temperature	0.0	-2.4	-5.3	-5.9	-5.9	-5.5	-5.1	-7.4	-7.8	-3.2	-3.0	-4.2	-6.5	-5.9	-0.6		0.9	

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요소 Element	일 Date																															월 Month			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
강수량(mm)	0.2	-	-	-	-	-	0.9	0.1	0.2	4.6	0.5	2.0	5.1	1.6	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.1		
Total Precipitation	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7		
상대 습도 (%)	93	90	84	84	90	84	90	90	91	93	91	93	93	93	88	85	90	80	76	84	80	70	81	89	88	84	76	72	77	91	92	85	85		
최소 시간 Time	0030	1930	1730	1830	1900	1200	0700	1300	1430	0700	1100	0630	1900	1630	1800	1700	1800	1500	1600	1530	2200	1500	1230	1600	1930	1330	1600	0630	0130	1400	1400	1400	1400		
평 균 Average	12.2	6.5	8.4	8.7	2.7	3.7	8.1	7.8	4.6	4.6	9.5	7.8	6.7	4.5	4.7	3.4	6.3	1.3	8.5	11.3	8.8	8.9	4.5	4.0	6.4	4.3	3.8	3.8	6.1	5.0	8.9	7.6	6.3		
합성 풍향 Direction	N	NW	WNW	W	SSW	NNW	N	N	NNW	N	NW	NNW	NW	N	N	N	N	W	ESE	ESE	ESE	E	SE	WNE	W	ENE	E	ENE	E	N	N	NNW	N		
람 순간 최대 Greatest Gust (m/s)	38.0	12.8	14.6	20.6	6.7	8.5	18.8	15.6	9.0	20.7	16.2	13.9	12.5	9.6	10.7	38.0	5.5	19.3	20.9	16.7	18.2	15.0	10.3	14.1	11.6	9.5	7.5	7.7	16.7	10.2	18.5	13.7	1일		
풍향 Direction	NNE	WNW	W	WSW	SSE	NW	N	NNE	WNW	N	NW	N	WNW	N	N	NNE	SSW	ESE	SE	SE	E	ESE	E	ESE	E	ESE	E	E	E	NNW	N	N	NNE		
Wind 나타난 시간 Time	0100	2400	1300	1800	1230	2100	2000	1530	2400	1700	0600	0600	1530	1830	1300	1030	2330	2330	1230	0230	1030	1130	1500	1130	0430	0330	0400	2130	1330	2230	0730	0430	0430		
구름(1/8)	7.6	7.7	2.6	1.5	5.8	5.6	7.6	7.2	5.8	7.3	7.9	8.0	7.9	7.7	6.3	6.4	7.3	7.3	6.8	6.9	6.1	6.9	6.8	7.9	4.9	7.6	6.1	5.5	4.3	1.1	7.6	7.9	7.8		
Average Amount of Cloud	7.3	6.8	6.9	6.1	6.9	6.8	7.9	4.9	7.6	6.1	5.5	4.3	1.1	7.6	7.9	7.8	6.4	7.3	6.8	6.9	6.1	6.9	6.8	7.9	4.9	7.6	6.1	5.5	4.3	1.1	7.6	7.9	7.8		
폭풍설 시작 시간 Start Time																																			
Blizzard 끝 시간 End Time																																			
Blizzard 계속 시간 Duration of Blizzard																																			

현상없음(NO OCCURRENCE)

1989년 1월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
수평면일사량(0.001MJ/㎡)	17654	8546	29658	30715	26146	24795	15551	17440	17632	11150	13510	7301	9195	13079	23010	23010	530987
Hor. Global Solar Rad.	18773	8505	15478	17621	18972	16973	9356	21116	15976	20543	9425	25192	27320	16174	12430	11751	
눈 Snow (cm)	0																0
적설최심 Max. Depth Snow Cover																	
신적설합계 Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
눈최심 Max. Depth Fall 나타난 날 Date	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
기상현상	맑음 Clear			v									v				2
	개일 Partly Cloudy		v		v			v				v					7
	흐림 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	22
	눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	0
	비 Rain		v			v		v		v		v		v			12
	진눈깨비 Sleet		v														0
안개 Fog		v									v			v			6
박무 Mist		v													v		0
유빙 Drift Ice (Marian Cove/Maxwell Bay)	MC	MB	MB	MC				MC								MC	MC

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 1월

요소 일 Date	Element N	북 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	NNW
1	33.7	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	10.8	10.9
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	13.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	19.1	12.1	10.1	0.0	0.0
5	4.3	0.0	3.0	3.7	0.0	0.0	6.1	6.7	6.7	5.8	3.0	4.7	2.2	6.5	5.1	6.3
6	6.1	4.8	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	6.1	8.5	7.9
7	18.8	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.6	7.2	13.7
8	12.4	15.6	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3
9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	8.7	7.2
10	20.7	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	5.1	0.0	16.5
11	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	16.2	13.8
12	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	4.5	0.0	0.0	12.9	12.1
13	4.2	0.0	3.5	0.0	3.7	0.0	0.0	4.5	4.9	0.0	0.0	2.4	9.4	12.5	9.0	7.3
14	9.6	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
15	10.7	4.9	3.4	3.8	0.0	0.0	0.0	0.0	0.0	3.5	2.1	3.7	0.0	3.3	6.3	9.3
16	3.8	3.0	0.0	4.5	4.0	0.0	0.0	5.2	4.1	5.5	2.7	4.3	2.8	3.9	3.4	3.3
17	0.0	0.0	0.0	9.3	13.6	19.3	11.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	18.3	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	10.2	16.7	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	18.2	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	4.2	3.5	3.1	0.0	15.0	12.2	3.2	7.3	0.0	6.2	0.0	0.0	3.3	1.8	2.8	3.3
22	4.2	0.0	7.4	7.9	9.2	10.3	0.0	0.0	0.0	0.0	7.1	1.3	0.0	2.2	2.0	4.7
23	0.0	0.0	0.0	0.0	14.1	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	9.5	11.6	10.9	8.1	7.2	0.0	2.3	0.0	1.7	0.0	4.7	5.3
25	9.5	2.9	0.0	2.4	0.0	0.0	0.0	0.0	3.1	6.1	4.9	4.1	5.1	5.5	7.4	9.4
26	0.0	0.0	0.0	5.7	4.2	3.2	3.5	3.2	2.9	3.7	4.3	5.6	7.5	6.2	0.0	4.6
27	0.0	0.0	7.3	7.2	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	16.7	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	9.6	0.0	4.5	6.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	10.2
30	18.5	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	13.0
31	13.7	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	11.2	11.1
월 Month	33.7	38.0	9.2	9.3	16.7	19.3	20.9	15.0	7.2	6.2	7.1	20.6	19.1	13.0	16.2	16.5

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1969년 1월

요소 일 Date	북 N	북북동 NNE	북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM
1	521	167	0	0	0	0	0	0	0	0	0	0	0	313	0
2	0	0	0	0	0	0	0	0	0	0	0	250	542	208	0
3	0	0	0	0	0	0	0	0	0	0	354	646	0	0	0
4	0	0	0	0	0	0	0	0	104	375	438	83	0	0	0
5	63	0	21	63	0	83	250	167	63	42	21	42	42	42	21
6	63	21	0	42	0	0	0	0	0	0	21	146	313	375	21
7	313	354	0	0	0	0	0	0	0	0	63	63	21	188	0
8	542	229	21	0	0	0	0	0	0	0	0	0	0	208	0
9	188	0	0	0	0	0	0	0	0	0	0	83	271	458	0
10	708	21	0	0	0	0	0	0	0	0	21	21	0	229	0
11	21	0	0	0	0	0	0	0	0	0	0	146	542	292	0
12	292	0	0	0	0	0	0	0	0	21	0	0	271	396	0
13	42	0	42	0	0	21	42	0	0	21	21	354	313	104	21
14	438	0	42	0	0	0	0	0	0	0	0	0	0	521	0
15	375	42	63	83	0	0	0	63	21	42	42	42	229	0	0
16	42	21	0	42	21	83	63	167	21	125	42	104	42	104	125
17	0	0	0	20	224	714	20	0	0	0	0	0	0	0	0
18	0	0	0	0	167	833	0	0	0	0	0	0	0	0	0
19	0	0	0	0	42	813	146	0	0	0	0	0	0	0	0
20	0	0	0	0	875	125	0	0	0	0	0	0	0	0	0
21	21	21	42	0	250	375	21	42	0	63	0	42	21	42	21
22	83	0	83	125	313	125	0	0	42	21	0	63	21	104	21
23	0	0	0	0	660	340	0	0	0	0	0	0	0	0	0
24	0	0	0	0	83	333	146	63	167	0	21	0	83	83	0
25	188	42	0	21	0	0	83	125	63	21	42	167	104	146	0
26	0	0	0	104	21	21	42	42	83	479	104	0	21	0	0
27	0	0	375	313	208	104	0	0	0	0	0	0	0	0	0
28	0	0	0	0	604	396	0	0	0	0	0	0	0	0	0
29	229	0	42	83	83	0	0	0	0	0	0	229	333	0	0
30	438	42	0	0	0	0	0	0	0	0	0	42	479	0	0
31	583	63	0	0	0	0	0	0	0	0	104	146	104	104	0

월 Month 166 33 24 29 80 114 67 15 20 21 9 15 48 90 101 161 7

89251 남극 세종과학기지(King Sejong Station)

1989년 2월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	31	월 Month
기압 평균 Ave. Station	990	991	989	981	994	1001	1004	995	981	974	974	977	982	981	976		986
최고 Highest	981	983	991	987	986	989	993	993	995	982	982	983	985	985	980		1005
나타난 시간 Time	983	986	994	993	989	996	997	996	999	998	989	988	990	984	980		6일/7일
(hPa)	1830	0030	0430	2330	2200	2200	0030	0030	0030	0030	2400	0300	1430	0030	*		
최저 Lowest	0500	2330	1700	0030	1300	2130	0200	1100	1930	0030	1600	0030	2200				
Air Press.	988	989	984	977	985	998	1001	984	973	970	970	973	977	975	974		966
나타난 시간 Time	978	979	986	983	981	982	986	988	990	968	966	980	979				26일
	0830	0830	1930	1130	0100	0030	0630	2330	2130	2230	1000	1300	0030	2030	*		
	1530	1300	0030	1030	0130	0730	2030	0030	0230	2230	0200	1200	1130				
기온 평균 Average	0.5	0.0	-0.5	1.1	0.8	2.7	2.1	2.5	3.6	3.1	1.6	1.4	0.9	2.4	2.4		2.4
평균최고 Ave. Maximum	3.3	3.0	2.4	3.8	0.9	3.3	3.3	3.2	2.7	5.2	3.6	4.3	3.0				4.4
평균최저 Ave. Minimum																	0.6
온도 (℃)	3.4	3.2	0.4	3.7	3.5	6.3	4.9	6.1	5.1	4.6	3.0	2.6	2.4	3.1	4.1		7.5
최고 Highest	5.5	4.3	4.2	6.7	3.7	5.2	4.6	4.8	3.7	7.5	5.5	6.9	4.0				25일
나타난 시간 Time	0700	1500	1630	1300	1530	1900	1230	1300	1330	0630	1600	0800	2200	1330	*		
최저 Lowest	1230	1130	1430	1730	1900	0800	1330	1430	0330	1530	2230	1030	0630				
Air Temp.	-1.4	-2.1	-1.8	-1.2	-1.2	-0.2	-0.7	0.2	1.7	1.6	0.4	-0.6	-0.8	1.1	1.3		-2.1
나타난 시간 Time	1.6	1.4	0.0	0.3	-0.9	2.1	1.9	2.4	1.5	1.6	2.4	2.6	2.3				2일
	1900	2330	0230	2400	0030	0030	0300	0200	0400	0900	0930	2330	0130	2230	*		
	0030	2030	0400	2400	0700	2100	0530	0130	2400	0030	0430	2200	2100				
평균습윤도(℃)	-1.3	-4.9	-5.8	-3.9	-4.0	-2.3	-2.4	-1.5	0.3	0.4	-1.3	-1.6	-2.2	0.2	0.3		-0.9
Average Dewpoint Temperature	0.5	0.2	-1.1	0.2	-1.3	0.1	0.5	0.7	0.6	2.8	0.4	1.5	0.0				

1989년 2월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	19.9	-	-	0.0	-	-	-	0.8	0.8	3.5	0.0	2.8	0.8	0.0	0.9	68.8	
Total Precipitation	3.4	7.2	-	2.4	0.1	3.6	4.4	17.6	-	0.6	-	-	-	-	-	-	
상 평	94.	80.	79.	79.	81.	79.	81.	87.	90.	91.	91.	92.	91.	95.	94.	89.	
대	92.	93.	90.	88.	94.	92.	93.	94.	95.	93.	91.	92.	92.	94.	92.	89.	
습	88.	71.	73.	73.	72.	62.	67.	74.	82.	89.	82.	88.	82.	94.	92.	62.	
도	80.	83.	76.	63.	90.	89.	87.	93.	95.	87.	81.	89.	90.	90.	92.	6일	
(1%) 나타난 시간 Time	1800	1300	2130	1230	1030	1900	1400	1300	1700	0530	1600	0100	1130	1400	*		
R.H.	0930	2400	0100	0330	1800	1300	1630	0500	0030	0630	0800	0830	1600				
평	6.2	6.2	3.3	6.9	3.1	3.0	1.7	6.2	7.8	6.8	3.5	4.5	4.5	5.2	3.1	7.1	
합성 풍	7.4	6.6	4.2	11.5	10.1	10.1	9.8	9.8	7.5	15.8	10.9	13.5	10.9	NNW	NNW	N/	
향	E	E	NNE	E	NNE	S	W	NNE	NNE	N	SSSE	NNW	N	NNW	NNW	NNW	
Direction	N	N	NNW	NNE	E	NNW	N	NNW	NW	N	NNW	N	NW	N	NW	NNW	
람	18.4	12.2	8.9	15.9	10.6	14.4	6.8	26.1	23.6	17.1	12.7	13.1	10.7	10.6	10.3	33.7	
순간 최대 Greatest Gust	17.7	13.0	9.6	26.0	26.9	26.4	26.2	19.8	16.1	33.7	21.5	26.5	22.9	10.6	10.3	25일	
(m/s) 풍	ESE	E	N	E	E	SW	SW	NNE	NNE	NNE	ESE	ESE	E	NW	NNW	NNE	
향	N	N	N	NNE	ESE	NNE	NNE	N	N	NNE	N	N	NW	NW	NNW	NNW	
Direction	1330	1630	1730	1700	0100	0600	0600	2330	0030	0600	1030	2100	0030	0430	*		
나타난 시간 Time	1530	0830	2100	1030	0400	0830	2030	1430	0330	1030	2330	1230	1300				
Average Amount of Cloud	7.9	5.3	7.9	7.1	4.1	0.9	2.4	8.0	6.6	8.0	7.4	7.6	7.0	8.0	7.7	6.5	
구름(1/8)	7.5	5.8	1.5	8.0	6.3	4.5	7.7	8.0	8.0	8.0	5.4	8.0	8.0	7.7			
Average Amount of Cloud	현상없음(NO OCCURRENCE)																
폭풍설 시작 시간 Start Time																	
Blizzard																	
End Time																	
Duration of Blizzard																	

1989년 2월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	6623	20791	8392	13187	15198	17453	19918	9283	9279	9573	9199	7334	8349	3408	8134	290418
	12085	9795	19934	9476	11589	12008	5709	5438	5341	4689	15768	6262	6203			
적 설 최 심 Max. Depth Snow Cover	0															
신적설 합 계 Total	4.4	-	-	0.0	-	-	-	-	-	-	0.0	-	0.0	-	-	4.4
눈 Snow (cm)	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	4.4
최 심 날 Date																1일
관	울 Clear															
개		v			v		v									2
흐	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	6
눈	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	20
비	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	5
진 눈 개 비 Sleet	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	18
안	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	1
탁	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	15
유 빙 Drift Ice (Marian Cove/Maxwell Bay)	MB	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	0

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 2월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		5.5	2.7	4.0	12.2	16.4	18.4	3.5	0.0	0.0	0.0	0.0	3.3	0.0	0.0	6.4	7.1
2		0.0	0.0	0.0	11.4	12.2	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3		8.9	7.4	7.1	5.5	6.2	4.8	3.3	0.0	0.0	2.3	3.3	3.5	0.0	4.7	5.4	6.4
4		0.0	8.8	9.8	15.1	15.9	15.1	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5		2.4	1.7	2.3	2.2	10.6	9.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	6.1
6		4.5	0.0	0.0	2.4	3.7	5.8	3.3	3.8	8.2	11.2	14.4	0.0	2.3	3.1	7.0	0.0
7		6.8	4.3	2.6	2.6	4.0	0.0	0.0	0.0	0.0	2.9	6.8	5.2	5.4	2.2	3.6	6.3
8		13.0	26.1	3.4	7.8	0.0	0.0	0.0	0.0	1.9	0.0	2.1	0.0	0.0	0.0	4.4	7.0
9		14.2	23.6	13.9	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0
10		17.0	17.1	2.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	10.8	10.6
11		3.6	0.0	2.4	7.6	9.7	12.7	11.7	4.3	7.2	1.9	2.7	6.9	8.7	4.4	4.9	5.4
12		7.3	0.0	0.0	0.0	12.4	13.1	0.0	0.0	3.5	0.0	0.0	0.0	8.7	3.9	6.4	8.2
13		6.8	0.0	5.0	9.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	9.2	9.5
14		8.8	2.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	10.3	10.6	10.6
15		* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *	* * *
16		17.7	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	6.4	7.6
17		13.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	5.5	6.6	0.0	0.0	7.9	0.0	0.0	4.4
18		9.6	3.8	3.3	2.1	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	6.3	7.9	7.0	7.9
19		19.5	26.0	8.4	11.0	10.1	20.3	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20		14.5	10.1	10.1	16.1	19.4	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21		21.3	26.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	12.6	9.4
22		23.2	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	10.9
23		19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	13.3
24		16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	12.1	14.4
25		32.7	33.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5
26		21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1	16.8	16.8	12.5
27		26.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1
28		20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	22.9	20.1	18.9
월	Month	32.7	33.7	13.9	16.1	19.4	26.9	11.7	6.4	8.2	11.2	14.4	6.9	15.1	22.9	20.1	18.9

풍향별 간축횡수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1989년 2월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM
1	83	42	42	167	229	229	21	0	0	0	0	21	0	0	42	104	21
2	0	0	0	208	604	188	0	0	0	0	0	0	0	0	0	0	0
3	229	63	125	21	104	83	21	0	0	21	83	63	0	63	21	104	0
4	0	42	104	250	438	125	42	0	0	0	0	0	0	0	0	0	0
5	63	21	42	42	83	146	104	0	0	0	0	0	0	0	63	417	21
6	47	0	0	47	23	116	23	47	209	186	163	0	23	23	23	0	70
7	83	42	63	63	42	0	0	0	0	63	229	104	83	21	42	63	104
8	125	458	21	104	0	0	0	0	21	0	21	0	0	0	21	83	146
9	292	271	354	21	0	0	0	0	0	0	0	0	0	0	43	213	0
10	447	191	64	21	0	0	0	0	0	0	0	0	21	42	63	42	21
11	21	0	21	63	42	188	83	42	104	21	42	83	125	42	63	42	21
12	83	0	0	0	104	83	0	0	42	0	0	0	125	21	83	396	63
13	22	0	87	174	65	0	0	0	0	0	0	0	0	109	174	370	0
14	79	16	0	16	0	0	0	0	0	0	0	0	16	95	238	429	111
15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16	667	167	0	0	0	0	0	0	0	0	0	0	0	104	21	42	0
17	809	0	0	0	0	0	0	43	64	43	0	0	21	0	0	21	0
18	292	63	83	21	0	0	0	0	0	21	0	0	63	104	188	167	0
19	167	542	42	83	42	104	21	0	0	0	0	0	0	0	0	0	0
20	63	83	104	83	167	500	0	0	0	0	0	0	0	0	0	0	0
21	83	292	0	0	0	0	0	0	0	0	0	0	0	83	458	83	0
22	750	104	0	0	0	0	0	0	0	0	0	0	0	0	42	104	0
23	583	0	0	0	0	0	0	0	0	0	0	0	0	0	21	396	0
24	188	0	0	0	0	0	0	0	0	0	0	0	0	63	500	250	0
25	771	188	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0
26	354	0	0	0	0	0	0	0	0	0	0	0	42	229	188	188	0
27	583	83	0	0	0	0	0	0	0	0	0	0	0	0	0	333	0
28	250	0	0	0	0	0	0	0	0	0	0	0	21	271	229	229	0
월 Month	263	98	42	51	71	65	12	5	15	12	19	10	19	47	93	157	22

89251 남극 세종과학기지(King Sejong Station)

1989년 3월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	989	990	989	1002	990	991	986	979	982	984	986	987	982	967	971	988	
최고 Highest	966	977	977	991	988	980	995	1006	1008	1009	999	981	983	986	995	999	
나타난 시간 Time	991	992	1001	1005	997	991	991	981	984	987	991	991	987	982	997	1010	
최저 Lowest	968	985	982	997	989	987	1001	1009	1010	1010	1006	987	986	992	997	1001	
(hPa)	0030	1530	2330	1030	0030	0500	0030	0030	2000	0900	2330	0030	1300	0030	1930	25일/25일	
Air Press.	1730	1300	0030	1100	1130	2330	2330	2230	1830	0100	0030	0030	1230	2200	1800	2400	
나타난 시간 Time	986	986	981	997	984	988	980	977	979	977	977	975	974	959	966	959	
	964	962	972	979	986	975	987	1000	1006	1006	986	978	979	981	992	997	
	0900	0330	0700	2130	1900	0030	1930	1400	0030	2230	0030	2400	0100	1200	2400	0030	
	0230	0130	1730	0030	2230	1400	0030	0030	0300	2230	2300	0530	0430	0230	0030	0030	
기온 평균 Average	3.2	2.4	2.3	3.2	5.3	4.0	3.4	2.6	0.6	1.7	-0.6	2.1	2.1	3.1	1.5	2.3	
평균최고 Ave. Maximum	3.0	2.7	4.5	3.2	2.5	0.2	-0.7	1.4	1.8	1.6	3.9	2.8	2.6	2.6	1.1	1.3	
평균최저 Ave. Minimum																	
온도	4.5	3.3	5.1	5.1	7.7	5.2	4.6	6.6	1.4	3.2	1.9	4.0	3.9	5.8	3.3	8.9	
(℃)	3.8	4.0	8.9	6.5	4.0	4.2	1.6	4.0	2.2	3.9	5.9	4.6	3.7	5.3	3.5	18일	
나타난 시간 Time	1400	0200	1430	1230	1630	1330	0700	1430	2130	1300	1930	1700	0930	1200	2400	2.2	
최저 Lowest	0030	1930	1000	2130	2100	0800	1600	1130	1200	2330	2100	0030	2400	1300	1700	1130	
Air Temp.	2.3	1.4	0.1	1.4	3.1	2.3	2.2	-0.8	-0.9	-0.3	-3.3	0.7	1.0	0.6	0.2	-3.6	
나타난 시간 Time	1.7	1.5	2.4	2.0	1.3	-3.6	-3.6	0.0	0.3	0.5	1.6	1.8	1.9	0.4	-0.4	0.4	
	2230	1100	0800	0600	2400	2200	0230	2330	0200	2400	0430	0730	0830	2300	2200	22일/22일	
	1930	0200	0030	0730	0600	2300	0500	0230	1600	1100	0130	1100	0530	2400	0330	2130	
평균습윤도(℃)	0.3	-0.3	-0.4	-0.7	1.8	1.0	0.0	-0.1	-1.9	-2.8	-3.9	-1.0	-1.2	-0.5	-2.1	-1.1	
Average Dewpoint Temperature	-0.2	-1.0	0.3	-1.7	-1.1	-3.3	-4.7	-3.1	-0.7	-0.8	0.3	0.0	-0.5	-0.2	-3.0	-2.0	

1989년 3월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	-	0.0	0.0	-	0.0	-	0.0	0.0	4.5	0.2	10.8	26.5	0.6	0.0	0.1	-	49.2
Total Precipitation	0.1	0.2	-	2.0	-	0.0	-	-	-	0.2	1.7	-	0.7	1.1	-	0.5	
상 평 균 Average	93.	93.	92.	89.	91.	93.	91.	94.	94.	86.	92.	92.	92.	90.	91.	91.	91.
대 습 소 Lowest	92.	90.	87.	83.	90.	91.	87.	86.	94.	95.	92.	94.	93.	93.	89.	92.	92.
도 (1%)	85.	74.	72.	71.	69.	73.	74.	71.	92.	90.	88.	90.	88.	85.	78.	82.	20일
나타난 시간 Time	1400	1600	1430	1730	2030	0600	0700	1500	2400	1900	1130	1200	1030	0300	1600	1600	1600
R.H.	2230	0930	1200	1800	1800	0800	1600	1130	0800	2400	0900	0230	1730	1200	1700	0400	
평 균 24 hour ave.	9.4	6.3	4.8	9.4	13.6	7.8	9.6	7.8	6.0	7.3	8.0	7.6	6.9	14.0	8.3	9.1	9.1
바 합성 풍 향 Direction	NW	NNW	W	N	NNE	N	NNE	ENE	W	WNW	ENE	NW	NW	NNW	NW	NW	N
람 순간 최대 Greatest Gust	17.8	13.2	14.6	28.1	31.9	12.3	22.2	20.8	15.1	17.1	22.9	20.1	15.2	35.1	19.7	38.9	38.9
(m/s) 풍 향 Direction	21.8	26.9	34.7	24.8	13.7	33.4	18.4	17.7	20.4	14.8	38.9	35.6	19.0	23.0	12.2	15.3	26일
Wind	NNW	NNW	SW	NNE	NNE	N	NE	ESE	W	ESE	ESE	N	N	NNE	NNE	N	N
나타난 시간 Time	N	NNW	NNW	N	NNE	SE	SW	WSW	W	N	N	N	NNW	N	SW	SSW	SSW
구름(1/8)	1230	0030	1200	2130	0700	0600	1400	2030	0100	2400	0130	1630	2230	0500	2400	2400	2400
Average Amount of Cloud	2330	0500	1930	1530	2330	1800	2330	0400	0330	2230	2400	0030	0430	0300	0630	1430	1430
폭풍설 시작 시간 Start Time	4.9	6.4	5.1	4.2	6.3	7.6	7.3	7.1	8.0	3.8	7.1	4.4	7.0	6.3	5.3	6.4	6.4
Blizzard	7.7	6.0	8.0	6.2	4.1	7.3	5.2	5.8	8.0	7.9	5.9	8.0	8.0	7.4	4.2	7.4	7.4
계속 시간 Duration of Blizzard																	
																	0650

1989년 3월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	10499 6234	8697 8905	9323 3338	13383 6953	5222 9622	7162 2373	6784 5797	4363 8054	4671 3902	11523 3517	6703 6211	8322 2978	7622 2764	3815 5054	8713 5149	2523	200176
적 설 최 심 Max. Depth Snow Cover	20.0																15.0
신적설 합 계 Total	-	-	1.0	-	-	-	-	1.0	18.0	0.0	3.0	-	-	-	0.0	-	38.0
Snow Fall Date	-	-	-	-	-	15.0	-	-	-	-	-	-	-	-	-	0.0	18.0 9일
기 상 현 상	맑	운 Clear															0
	개	임 Partly Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	11
	흐	림 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	20
	눈	Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	8
	비	Rain	v	v	v	v	v	v	v	v	v	v	v	v	v	v	15
	진 눈	깨 비 Sleet	v	v	v	v	v	v	v	v	v	v	v	v	v	v	0
Meteo. Phenomena	안	개 Fog	v	v	v	v	v	v	v	v	v	v	v	v	v	v	21
	박	무 Mist	v	v	v	v	v	v	v	v	v	v	v	v	v	v	1
유	빙 Drift Ice	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MB
	(Marian Cove/Maxwell Bay)						세종호 결빙										

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 3월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
1		15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	17.3	15.7	
2		10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	13.2
3		5.2	0.0	0.0	0.0	9.2	9.3	10.3	9.4	13.5	11.4	14.6	0.0	9.5	8.4	5.8	6.8	
4		25.6	28.1	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	9.3	
5		29.0	31.9	22.6	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6		12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	
7		15.3	18.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8		13.2	11.5	8.5	3.9	8.3	20.8	19.2	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9		4.1	1.9	1.4	0.0	2.4	0.0	14.6	15.1	12.6	0.0	0.0	0.0	12.2	5.0	0.0	4.5	
10		9.0	8.4	7.4	12.7	13.2	17.1	0.0	0.0	0.0	0.0	0.0	11.6	12.3	11.5	8.4	7.8	
11		14.1	13.3	0.0	8.0	10.1	22.9	20.7	0.0	0.0	0.0	7.7	8.1	4.0	8.1	11.4	14.2	
12		20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	13.0	12.3	14.5	
13		15.2	0.0	4.7	5.2	2.8	0.0	7.9	0.0	0.0	7.0	7.6	0.0	3.9	14.4	13.4	13.6	
14		28.6	35.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	17.4	17.0	15.9	
15		11.0	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	13.6	12.6	
16		21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	
17		23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.6	26.9	21.0	25.7	
18		29.2	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	34.7	
19		24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8	23.6	16.8	
20		10.9	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	13.1	
21		0.0	15.7	14.8	20.1	20.3	27.6	33.4	0.0	0.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0	
22		4.8	0.0	0.0	0.0	11.0	13.2	15.2	3.1	2.2	0.0	18.4	17.6	9.9	0.0	8.3	8.6	
23		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	15.7	17.7	11.1	10.3	7.9	
24		8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	17.1	11.6	9.8	
25		14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	14.1	
26		38.9	33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	9.2	11.9	
27		35.6	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	
28		17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	
29		23.0	21.0	3.7	3.8	2.5	6.4	4.8	6.9	7.8	5.4	3.6	0.0	4.0	0.0	2.7	7.3	
30		0.0	0.0	0.0	2.3	3.9	4.7	1.9	1.6	7.3	11.3	12.2	11.7	10.5	6.7	5.0	6.6	
31		0.0	0.0	1.8	2.1	1.7	0.0	2.4	3.1	4.4	15.3	12.2	9.9	8.4	10.6	8.8	7.9	
월	Month	38.9	35.1	22.6	20.1	20.3	27.6	33.4	15.1	13.5	16.9	18.4	17.7	25.6	26.9	30.0	34.7	

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1989년 3월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1	부	125	0	0	0	0	0	0	0	0	0	0	0	0	125	500	250	0
2	북	85	0	0	0	0	0	0	0	0	0	0	0	0	0	362	553	0
3	북	63	0	0	0	21	83	42	21	188	42	63	0	125	104	42	188	21
4	북	396	333	42	0	0	0	0	0	0	0	0	0	0	0	83	146	0
5	북	167	646	167	0	0	21	0	0	0	0	0	0	0	0	0	0	0
6	북	917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
7	북	521	313	167	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	북	277	85	85	21	64	255	149	64	0	0	0	0	0	0	0	0	0
9	북	63	21	21	0	21	0	63	104	83	0	0	0	563	42	0	21	0
10	북	83	42	42	21	83	104	0	0	0	0	0	63	375	83	63	42	0
11	북	125	42	0	42	63	208	146	0	0	0	63	63	21	63	63	104	0
12	북	208	0	0	0	0	0	0	0	0	0	0	0	83	250	188	271	0
13	북	167	0	21	42	21	0	21	0	0	21	42	0	21	250	125	271	0
14	북	333	188	0	0	0	0	0	0	0	0	0	0	21	375	63	21	0
15	북	64	64	0	0	0	0	0	0	0	0	0	0	0	85	553	234	0
16	북	313	0	0	0	0	0	0	0	0	0	0	0	0	0	0	688	0
17	북	375	0	0	0	0	0	0	0	0	0	0	0	21	313	104	188	0
18	북	583	83	0	0	0	0	0	0	0	0	0	0	0	0	146	188	0
19	북	458	0	0	0	0	0	0	0	0	0	0	0	0	313	125	104	0
20	북	333	125	0	0	0	0	0	0	0	0	0	0	0	0	83	458	0
21	북	0	191	43	85	43	191	426	0	0	21	0	0	0	0	0	0	0
22	북	21	0	0	21	21	167	63	42	21	0	313	167	63	0	21	83	0
23	북	0	0	0	0	0	0	0	0	0	63	167	188	313	229	42	0	0
24	북	42	0	0	0	0	0	0	0	0	0	0	0	167	542	188	63	0
25	북	167	0	0	0	0	0	0	0	0	0	0	0	0	208	625	0	0
26	북	583	271	0	0	0	0	0	0	0	0	0	0	0	21	21	104	0
27	북	625	208	0	0	0	0	0	0	0	0	0	0	0	0	0	167	0
28	북	583	0	0	0	0	0	0	0	0	0	0	0	0	0	21	396	0
29	북	208	125	42	42	21	83	104	146	83	21	21	0	21	0	21	42	21
30	북	0	0	0	42	63	21	21	42	83	125	63	125	208	42	63	104	0
31	북	0	0	21	63	21	0	21	42	21	104	125	104	104	229	83	21	42
월	Month	255	88	21	12	14	36	34	15	15	13	28	23	68	99	102	175	3

89251 남극 세종과학기지(King Sejong Station)

1989년 4월

요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
기압 평균 Ave. Station	999	993	996	999	996	993	990	990	998	986	986	988	998	1001	993	991	993	996	999	996	993	990	990	990	988	998	1001	993	991			
기압 최고 Highest	986	988	993	995	996	985	980	987	986	987	986	987	979	993	987	986	988	993	996	996	991	988	986	987	987	979	993	987	986			
기압 나타난 시간 Time (hPa)	1000	995	997	1000	999	996	991	993	1001	1000	991	995	1002	1003	998	1003	995	997	997	998	993	987	992	995	992	985	997	992	1003			
기압 최저 Lowest	989	989	997	997	998	993	987	992	987	982	982	992	985	997	992	992	989	989	998	998	993	987	982	992	992	985	997	992	1003			
Air Press. 나타난 시간 Time	0030	0030	1630	1600	0030	1630	0030	2230	1700	0030	0030	1930	1930	0100	0030	0030	0030	0030	0030	1100	0030	0800	1530	2400	0030	2400	1400	0030	0030			
기온 평균 Average	995	991	995	997	991	991	988	986	993	991	981	979	993	997	986	986	983	987	988	993	992	980	976	980	979	976	985	980	976			
기온 최고 Highest	983	987	988	993	992	980	976	980	984	985	992	979	976	985	980	980	983	987	988	993	992	980	976	980	979	976	985	980	976			
기온 최저 Lowest	2230	1200	0030	0030	2030	0030	2300	1430	0030	2130	2300	0230	0030	2300	2130	0230	0030	0030	0030	2030	0030	1000	1830	0030	0030	0030	2300	2130	0030			
기온 나타난 시간 Time	1130	0330	0030	1200	2400	2330	1000	1830	0030	0030	0030	2400	0630	0030	2330	0030	0030	0030	0030	1100	0030	1000	1830	0030	2400	0630	0030	2330	0030			
평균최고 Ave. Maximum	-1.6	-4.2	-5.3	-4.3	-0.5	-1.4	-6.3	-5.5	-4.2	-2.0	-0.8	-6.5	-6.8	-4.4	0.8	-4.8	-4.2	-9.0	-9.8	-12.0	0.0	-6.1	-8.7	-7.4	-9.1	-7.7	-1.4	-3.0	-9.2	-0.3		
평균최저 Ave. Minimum	-1.5	-4.8	-9.0	-9.8	-12.0	0.0	-6.1	-8.7	-7.4	-9.1	-7.7	-1.4	-3.0	-9.2	-0.3	-1.5	-4.2	-9.0	-9.8	-12.0	0.0	-6.1	-8.7	-7.4	-9.1	-7.7	-1.4	-3.0	-9.2	-0.3		
은최고 Highest	0.8	-2.9	-3.7	-1.5	0.8	0.1	-0.4	-1.7	-2.5	-0.7	0.2	0.4	-3.7	-0.4	3.8	4.4	-2.6	-7.3	-8.5	-8.5	5.4	3.3	-6.7	-4.2	-6.2	-3.4	0.0	-0.1	-1.0	0.7		
은최저 Lowest	0030	0030	1330	1400	1230	1500	0130	1400	1330	1030	2330	0200	0500	2330	2130	1100	1600	0030	1500	2400	1330	0300	1030	1200	0030	0030	2300	2330	2330			
은 나타난 시간 Time	-3.9	-5.5	-7.1	-6.9	-2.3	-3.8	-8.5	-8.0	-6.1	-3.0	-2.0	-10.2	-8.4	-7.8	-0.6	-5.9	-7.5	-10.4	-11.0	-13.7	-8.8	-10.8	-11.4	-10.2	-9.9	-3.5	-10.4	-13.8	-1.6			
Air Temp. 나타난 시간 Time	1830	2130	2300	0630	0030	1230	1300	0200	0100	0030	0030	1100	1700	0100	0330	2330	2400	2100	2100	1400	0030	2130	2400	0130	1700	0100	0030	0630	0230			
평균습온도(℃)	-5.8	-10.2	-11.8	-11.9	-6.2	-7.4	-11.9	-12.6	-10.8	-6.7	-6.4	-10.8	-12.9	-9.8	-3.2	-4.6	-9.0	-12.6	-13.9	-16.0	-3.0	-9.5	-12.6	-10.8	-13.2	-11.7	-5.5	-6.6	-9.2	-5.1		
Average Dewpoint Temperature	-4.6	-9.0	-12.6	-13.9	-16.0	-3.0	-9.5	-12.6	-10.8	-13.2	-11.7	-5.5	-6.6	-9.2	-5.1	-8.5	-10.2	-11.8	-11.9	-6.2	-7.4	-11.9	-12.6	-10.8	-6.7	-6.4	-10.8	-12.9	-9.8	-3.2		

1989년 4월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.2	0.0	-	-	-	0.1	0.0	0.0	-	0.8	0.1	9.7	-	0.3	0.3	-	18.9
Total Precipitation	3.4	0.1	0.0	0.0	0.0	3.4	0.5	0.0	0.0	0.0	-	-	0.0	-	-	-	
상 평 균 Average	89.	81.	78.	70.	80.	80.	84.	73.	77.	86.	81.	90.	80.	84.	88.	88.	86.
대 습 최 소 Lowest	93.	90.	93.	92.	92.	91.	93.	92.	92.	92.	91.	89.	92.	90.	86.	86.	57.
도 나타난 시간 Time	73.	74.	71.	61.	72.	58.	75.	57.	70.	76.	66.	79.	69.	76.	76.	76.	8일
(1%) R.H.	88.	87.	90.	89.	90.	74.	76.	89.	90.	90.	88.	81.	90.	82.	76.	82.	76.
	2300	0030	2400	2330	0030	1530	1830	1500	0700	2100	1400	2200	1230	0930	1300	1300	1800
	2400	1600	2400	0730	1300	1200	0300	1530	1230	1430	1730	1100	2030	2300	1800	1800	
평 균 24 hour ave.	7.2	10.3	6.4	4.1	5.2	5.9	9.7	4.9	6.7	3.4	9.0	10.7	8.0	8.4	7.2	8.5	
바 합성 풍 향 Direction	7.4	9.9	11.0	11.8	13.5	6.1	13.1	10.8	9.9	14.0	8.8	7.5	7.2	9.6	8.1		E
람 순간 최대 Greatest Gust	E	E	E	SE	E	W	E	ESE	ESE	NE	WNW	ENE	ENE	NE	NNE		E
(m/s) 풍 향 Direction	20.6	18.6	12.7	12.1	14.5	14.3	22.3	16.5	16.5	8.2	17.3	24.1	19.7	21.4	16.9	29.4	
Wind 나타난 시간 Time	20.1	19.9	21.4	25.9	29.4	17.1	26.4	28.2	21.0	28.9	21.4	14.7	18.8	18.1	19.2	20일	
	E	E	E	E	W	ESE	E	SSE	E	SE	WNW	ESE	N	NNE	N	E	
	E	E	E	E	E	SSE	E	E	ESE	E	SE	NW	ESE	ESE	NNE		
	2030	1530	1130	0030	2330	1100	0800	2330	0200	1430	2300	0800	0030	1430	0830		
	1100	0930	0700	2000	0100	0230	1630	1830	0100	1900	0700	2330	2200	0500	2130		
구름(1/8)	7.8	6.0	6.0	3.4	6.6	4.8	8.0	2.8	3.4	7.8	6.0	8.0	7.9	6.9	7.4	6.8	
Average Amount of Cloud	8.0	7.9	8.0	7.7	8.0	6.8	8.0	7.6	7.9	8.0	5.2	7.2	7.4	5.7	7.1		
폭풍설 시작 시간 Start Time				1100			0730	1420		1800		1030					
Blizzard					2200			0130	0200	2330		1310					
계속 시간 Duration of Blizzard					3500			1800	1140	0530		0240					7250

1989년 4월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	2389	6848	4942	6628	5080	4170	2945	6995	5540	2128	2971	2081	2448	2767	3596	94925
	964	1273	1549	2314	2068	4396	2720	1980	1552	2360	3633	1543	1938	2336	1771	
관측못함(NO DATA AVAILABLE)																
눈 Max. Depth Snow Cover																
신적설 합 계 Total	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	-	1.5	20.0	-	0.0	-	218.0
Snow Fall	1.0	0.0	20.0	70.0	50.0	-	25.0	20.0	-	10.0	-	-	0.0	-	-	70.0
최 심 Max. Depth 나타난 날 Date																
맑 울 Clear																
개 일 Partly Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	0
흐 림 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	9
눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	21
비 Rain	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	18
진 눈 깨 비 Sleet	v															4
안 개 Fog	v															0
박 무 Mist	v		v													10
유 빙 Drift Ice (Marian Cove/Maxwell Bay)																2
																MC

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 4월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북북서 NNW	
1	4.9	0.0	0.0	18.2	20.6	13.7	10.5	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.6
2	0.0	0.0	0.0	0.0	18.6	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	11.9	12.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	5.1	6.8	12.1	8.1	3.3	0.0	6.1	8.7	7.8	3.0	5.9	5.7	6.7
5	3.2	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	6.7	5.8	6.1	14.5	11.0	7.4
6	11.6	0.0	3.8	11.4	12.5	14.3	12.3	8.1	9.5	9.7	10.4	2.3	11.2	9.0	2.7
7	0.0	0.0	0.0	14.8	22.3	18.0	0.0	0.0	0.0	12.2	6.3	9.3	0.0	0.0	0.0
8	0.0	0.0	9.4	7.4	9.8	11.1	11.2	16.5	13.0	0.0	0.0	0.0	0.0	0.0	0.0
9	5.5	0.0	3.3	6.5	13.8	14.7	16.5	16.2	0.0	0.0	0.0	0.0	0.0	3.2	3.0
10	7.8	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.8	0.0	0.0	1.9	6.0	7.6	8.2
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	17.3	0.0
12	0.0	16.9	11.2	12.8	21.5	24.1	0.0	0.0	0.0	0.0	0.0	0.0	15.6	18.9	0.0
13	19.7	19.3	0.0	11.0	14.1	9.1	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	17.1	21.4	5.6	6.8	4.6	2.9	2.3	0.0	0.0	6.5	0.0	0.0	5.0	0.0	8.1
15	16.9	16.3	14.4	11.3	9.1	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	20.1	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1
17	0.0	0.0	0.0	19.8	19.9	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	21.4	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	25.9	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	21.3	29.4	21.4	22.8	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	12.1	10.9	11.1	10.8	13.5	15.3	15.2	17.1	11.7	0.0	0.0	0.0	0.0	0.0	0.0
22	11.0	15.1	0.0	0.0	26.4	24.2	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7
23	0.0	0.0	0.0	22.7	28.2	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	17.9	18.0	15.5	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	21.6	23.9	28.9	28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	3.1	12.7	20.9	21.4	4.8	2.8	0.0	0.0	0.0	0.0	4.4	5.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	13.5	13.4	14.7
28	0.0	0.0	0.0	13.1	16.4	18.8	0.0	0.0	0.0	12.8	0.0	9.7	11.2	11.3	0.0
29	16.9	0.0	0.0	10.0	17.2	18.1	0.0	0.0	3.0	0.0	0.0	8.5	11.4	12.3	15.8
30	17.5	19.2	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	11.3	9.6	8.3
월 Month	19.7	21.4	21.6	23.9	29.4	28.6	22.8	20.3	13.0	9.7	12.8	6.3	15.6	18.9	14.7

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1989년 4월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	경은 CLM
1	208	0	0	83	458	83	63	0	0	0	0	0	0	0	21	21	63
2	0	0	0	0	830	170	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	83	896	21	0	0	0	0	0	0	0	0	0	0	0
4	0	0	21	42	354	125	21	0	42	271	21	21	21	42	0	0	0
5	21	0	0	0	21	0	0	0	0	21	63	42	458	167	146	63	0
6	21	0	21	104	104	125	42	21	21	63	42	21	125	21	21	250	0
7	0	0	0	271	563	21	0	0	0	0	21	21	104	0	0	0	0
8	0	0	21	250	354	63	42	229	42	0	0	0	0	0	0	0	0
9	63	0	21	188	188	167	146	188	0	0	0	0	0	0	21	21	0
10	292	0	0	0	0	0	0	83	83	0	0	21	83	104	125	188	21
11	0	0	0	0	0	0	0	0	0	0	0	0	250	750	0	0	0
12	0	83	125	208	208	208	0	0	0	0	0	0	83	167	0	0	0
13	104	104	0	208	500	42	42	0	0	0	0	0	0	0	0	0	0
14	208	375	63	188	104	21	21	0	0	0	0	0	0	0	0	21	0
15	292	229	167	83	83	0	21	0	0	21	0	0	21	0	0	83	0
16	0	0	0	0	667	333	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	340	596	64	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	292	708	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	938	63	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	21	771	104	83	21	0	0	0	0	0	0	0	0	0
21	396	42	42	63	63	167	104	83	42	0	0	0	0	0	0	0	0
22	64	43	0	0	383	383	85	0	0	0	0	0	0	0	0	43	0
23	0	0	0	417	438	146	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	542	271	83	104	0	0	0	0	0	0	0	0	0	0
25	0	0	83	271	375	271	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	21	83	375	333	63	42	0	0	0	0	21	42	0	21
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	104	83	229	0	0	0	21	0	21	271	188	0	0	0
29	229	0	0	21	313	208	0	0	0	42	0	0	21	83	21	63	0
30	208	208	63	0	0	0	0	0	0	0	0	146	125	104	146	0	0
월 Month	71	37	40	107	319	137	34	23	9	14	6	6	58	72	34	30	4

89251 남극 세종과학기지(King Sejong Station)

1989년 5월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	988	1006	1001	998	988	983	988	981	972	980	989	998	999	1007	1012	985	
최고 Highest	1001	987	986	988	991	989	982	985	989	970	965	963	963	964	968	965	
나타난 시간 Time	997	1011	1011	1002	993	992	991	987	977	982	995	1006	1010	1014	1012	1014	
(hPa)	993	989	989	992	993	991	987	990	991	986	969	970	968	968	978	977	
최저 Lowest	2230	1800	0030	0600	2000	0030	1130	0030	2000	0830	2130	2230	2200	1100	0100	0030	
Air Press.	0400	2230	0030	1230	1230	0030	0030	2200	0200	0030	1230	2200	0030	1030	2130	0030	
나타난 시간 Time	980	997	996	987	983	977	983	972	968	976	980	995	1003	1009	989	954	
기온 평균 Average	983	985	981	984	987	987	977	982	984	956	961	954	957	955	958	959	
평균최고 Ave. Maximum	0030	0030	1900	2400	1300	1530	0030	2330	0430	0030	0030	0030	1330	0030	2330	27일	
평균최저 Ave. Minimum	1200	1900	1900	0030	0030	0830	1600	0030	2100	1330	0500	0830	0400	2000	0430	2400	
온도	-0.9	-2.0	0.3	0.2	0.5	0.9	1.3	1.8	-5.2	-8.2	-12.2	-3.3	0.2	0.3	0.9	-0.9	
(℃)	1.6	0.2	-0.5	-0.4	0.0	0.5	0.5	-1.1	0.0	0.2	-1.1	0.0	-0.1	-1.6	-1.3	0.2	
최고 Highest	1.2	-0.3	1.9	3.8	2.4	3.2	2.8	4.5	0.6	-1.8	-9.1	-1.4	1.5	1.2	3.1	4.9	
나타난 시간 Time	4.9	1.3	0.2	0.9	0.6	1.0	1.5	-0.1	0.8	1.9	1.6	1.6	1.3	0.0	-0.1	1.4	
최저 Lowest	0300	1130	2400	0800	0030	1100	2230	1200	0030	1930	2400	1900	1900	0030	2000	0730	
Air Temp.	1030	0030	2130	2130	0030	2130	1400	1000	2230	1400	2100	0600	0330	0030	0300	0730	
나타난 시간 Time	-4.1	-3.8	-0.9	-2.0	-0.2	-0.7	0.6	0.4	-9.8	-11.0	-15.4	-9.3	-2.1	-0.4	-0.4	-15.4	
평균녹점온도(℃)	-0.2	-1.2	-0.9	-1.1	-0.9	-0.1	-0.9	-2.4	-1.8	-2.7	-3.4	-2.2	-2.1	-4.1	-3.1	-1.5	
Average Dewpoint Temperature	2230	0030	0430	1500	1930	0830	1530	0700	1800	0900	0500	0030	0030	2400	0030	0130	
	0630	2200	0030	0700	2130	0030	2100	2130	0030	2330	0900	1300	1800	1100	1600	0130	
	-4.0	-6.3	-2.0	-4.3	-3.2	-2.7	-1.5	-1.2	-9.1	-12.1	-16.4	-8.4	-3.4	-2.9	-1.9	-4.6	
	-1.4	-3.3	-4.5	-5.0	-3.1	-2.0	-1.9	-5.8	-3.6	-2.9	-5.9	-4.1	-4.1	-6.2	-6.8	-3.3	

1989년 5월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	-	0.0	0.0	0.0	0.6	2.8	0.6	1.0	-	0.2	0.0	-	-	0.0	0.3	-	15.2
Total Precipitation	1.1	0.3	0.0	0.0	-	0.3	2.2	-	0.2	0.1	4.5	0.8	0.0	0.2	-	0.0	
평 균 Average	92.	88.	95.	86.	90.	91.	94.	93.	92.	91.	91.	86.	91.	93.	94.	94.	90.
최 소 Lowest	89.	77.	89.	40.	77.	80.	92.	82.	87.	82.	89.	74.	79.	90.	81.	83.	91.
도	69.	82.	81.	74.	89.	95.	80.	76.	82.	68.	64.	71.	72.	72.	69.	79.	40.
(1%) 나타난 시간 Time	2330	1930	0030	0730	1730	0030	0030	1200	2300	1930	1100	1700	0200	0800	2000		4일
R.H.	0900	2300	2300	1330	0830	0430	2400	1630	0030	2230	1300	1600	1500	0930	1400	0030	
평 균 24 hour ave.	3.1	1.9	8.7	7.0	9.4	9.3	9.0	8.8	7.1	9.7	6.5	6.6	11.0	10.8	9.4	8.8	
합 성 풍 향 Direction	8.0	7.1	8.3	7.9	6.2	7.3	7.2	4.7	7.4	10.0	12.5	15.0	13.7	11.5	11.5	15.6	
순 간 최 대 Greatest Gust	17.8	7.7	23.7	20.1	20.3	22.1	16.0	23.2	16.7	22.6	22.2	16.3	24.6	22.0	20.2	32.5	
(m/s) 풍 향 Direction	19.5	13.9	14.3	14.6	13.2	13.4	14.1	10.6	14.8	26.5	23.5	25.8	32.5	24.2	22.5	29.1	
Wind 나타난 시간 Time	0200	2400	1000	2330	1230	1100	0630	1330	1730	1930	0430	2100	1530	0530	2400		
	1030	1900	1000	2200	0430	0830	1500	1800	1800	1300	1300	0830	0400	2030	0400	0330	
구름(1/8)	7.0	6.6	8.0	6.0	5.5	8.0	8.0	7.5	7.6	7.9	8.0	4.4	8.0	8.0	8.0	6.4	
Average Amount of Cloud	7.0	4.8	5.4	2.7	6.0	8.0	8.0	5.7	7.3	8.0	4.9	5.1	5.0	3.6	2.7	6.7	
폭풍설 시작 시간 Start Time																	1930
Blizzard 끝 시간 End Time																	2030
계속 시간 Duration of Blizzard																	0100

1989년 5월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	16 31	일 Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	1279 393	1593 625	748 914	1553 811	1363 540	781 0	808 0	1141 559	1106 456	1077 0	1063 731	1540 560	512 587	290 544	329 490	490	22285
눈 Snow	관측못함(NO DATA AVAILABLE)																
최 심 Max. Depth	-	-	-	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-	-	-	11.5
합 계 Total	-	-	0.0	1.0	-	-	0.0	-	0.5	-	1.5	2.0	1.5	5.0	-	0.0	2.0
최 심 Max. Depth Fall	-	-	0.0	1.0	-	-	0.0	-	0.5	-	1.5	2.0	1.5	5.0	-	0.0	2.0
날 Date																	27일
관측 Observation																	0
맑음 Clear																	0
개임 Partly Cloudy				v	v							v	v	v	v	v	13
흐림 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	18
눈 Snow				v	v	v	v	v	v	v	v	v	v	v	v	v	13
비 Rain				v	v	v	v	v	v	v	v	v	v	v	v	v	v(우박)
진눈깨비 Sleet	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	14
안개 Fog																	3
무 Mist																	18
빙 Drift Ice (Marian Cove/Maxwell Bay)																	2

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 5월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		7.2	14.9	17.8	3.8	0.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	3.3	6.3	6.1
2		1.9	2.2	3.5	3.6	0.0	0.0	0.0	0.0	0.0	2.1	4.5	4.6	6.2	7.7	4.5	6.2
3		23.7	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	7.6	11.0	21.4
4		20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	14.2	15.3	8.8	11.4	11.1
5		16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	19.7	20.3	16.5	14.7
6		17.0	22.1	19.7	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	2.7	11.1	17.0	19.0	16.6
7		11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	16.0	13.0	15.0
8		23.2	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	3.0	0.0	4.2	0.0	4.6	7.5	12.9
9		0.0	0.0	13.8	15.6	16.7	16.0	0.0	0.0	0.0	0.0	5.5	5.4	4.5	0.0	0.0	0.0
10		0.0	0.0	22.6	15.7	19.3	21.1	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11		0.0	0.0	3.2	19.0	21.1	22.2	5.3	5.0	5.5	3.5	0.0	6.5	5.0	0.0	0.0	0.0
12		4.9	0.0	3.1	4.2	3.8	0.0	3.5	0.0	3.7	0.0	16.3	12.8	13.4	7.5	9.2	8.7
13		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	23.1	24.6	21.7	12.2	0.0
14		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	22.0	16.9	12.5
15		20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6
16		18.0	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.7	14.4
17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	13.2	13.9	10.3
18		11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	13.0	13.0	14.3	10.8
19		14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	13.6	14.6	11.5	13.2
20		7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	13.2	9.5	8.8
21		9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	12.4
22		14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	8.6	5.6	6.6	8.1	11.8
23		9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	10.6	7.9	8.4	5.2	8.8
24		14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	9.0	11.6	13.2	13.1
25		19.8	26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	10.9	11.6	12.6	
26		20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3	19.3	23.5	22.5	20.4
27		25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	23.1	23.2	25.5
28		32.5	24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	25.8	28.4
29		18.0	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	20.6	20.6
30		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	22.0	20.2	22.5
31		29.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	27.6
월	Month	32.5	26.5	22.6	19.0	21.1	22.2	17.5	5.0	5.5	3.5	16.3	23.1	24.6	23.5	28.0	28.4

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1989년 5월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM	
1	43	128	149	170	0	43	0	0	0	21	0	0	21	170	85	170	
2	21	42	83	229	0	0	0	0	21	21	104	146	63	104	83	83	
3	125	21	0	0	0	0	0	0	0	0	0	21	21	146	667	0	
4	188	0	0	0	0	0	0	0	63	83	125	21	21	208	313	0	
5	63	0	0	0	0	0	0	0	0	21	313	208	229	167	0	0	
6	125	21	63	0	0	0	0	0	0	21	21	250	167	313	0	0	
7	125	0	0	0	0	0	0	0	0	42	292	125	417	0	0	0	
8	688	0	0	0	0	0	0	0	21	0	21	0	21	21	208	0	
9	0	0	125	354	188	167	0	0	0	21	21	21	0	0	0	104	
10	0	0	417	375	125	63	21	0	0	0	0	0	0	0	0	0	
11	0	0	21	146	167	375	83	42	21	21	21	21	0	0	0	83	
12	21	0	42	21	21	0	21	0	167	146	375	42	42	42	63	21	
13	0	0	0	0	0	0	0	0	21	104	417	438	21	0	0	0	
14	0	0	0	0	0	0	0	0	0	104	417	396	83	0	0	0	
15	708	0	0	0	0	0	0	0	0	0	0	0	0	292	0	0	
16	313	83	0	0	0	0	0	0	0	0	0	21	21	563	0	0	
17	0	0	0	0	0	0	0	0	0	83	125	188	604	0	0	0	
18	63	0	0	0	0	0	0	0	0	83	63	250	479	63	0	0	
19	104	0	0	0	0	0	0	0	0	208	375	188	63	63	0	0	
20	42	0	0	0	0	0	0	0	0	0	21	458	375	104	0	0	
21	42	0	0	0	0	0	0	0	0	0	0	0	354	604	0	0	
22	271	0	0	0	0	0	0	0	21	125	42	63	21	458	0	0	
23	83	0	0	0	0	0	0	0	42	354	188	104	21	208	0	0	
24	42	0	0	0	0	0	0	0	0	21	42	292	438	167	0	0	
25	313	146	0	0	0	0	0	0	0	167	104	83	188	0	0	0	
26	63	0	0	0	0	0	0	0	0	42	208	208	229	250	0	0	
27	104	0	0	0	0	0	0	0	0	42	125	333	396	0	0	0	
28	375	21	0	0	0	0	0	0	0	167	167	271	0	0	0	0	
29	63	83	0	0	0	0	0	0	0	0	0	229	563	63	0	0	
30	0	0	0	0	0	0	0	0	0	333	333	208	125	0	0	0	
31	167	0	0	0	0	0	0	0	0	0	0	0	354	479	0	0	
월 Month	134	17	29	42	16	21	5	1	1	2	12	44	102	144	178	235	15

89251 남극 세종과학기지(King Sejong Station)

1989년 6월

요소 Element	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31	월 Month
기압 평균 Ave. Station	966	965	968	968	969	995	993	990	1007	1011	1006	1002	1018	1018	1001	984	984	983	983
최고 Highest	974	971	974	989	982	971	968	978	980	982	976	964	976	964	961	977	992	992	1024
나타난 시간 Time	980	972	977	984	981	973	980	984	985	987	975	979	976	966	966	991	991	991	12일
(hPa)	0800	2100	0730	2400	0900	0030	2400	1300	1130	0130	2330	1930	0030	0030	0030	0030	0030	0030	0030
최저 Lowest	0030	0030	2300	1430	0030	2330	1000	1230	0700	1630	2230	1400	0030	2400	2400	2400	2400	2400	952
Air Press.	958	960	957	960	969	992	987	987	996	1010	999	997	1008	1010	992	979	979	966	26일
나타난 시간 Time	972	969	970	977	967	965	973	974	971	962	952	970	958	959	966	966	966	966	26일
	0100	0030	1830	0030	0030	1730	1230	0030	0030	0030	2300	0700	0030	2330	2300	2400	2400	2400	2400
	2230	1330	0030	0030	1430	1030	0030	0030	0030	2330	0600	1430	0430	2100	0530	0030	0030	0030	0030
기온 평균 Average	0.0	-1.8	-2.9	-4.4	-6.1	-4.2	-2.4	-2.4	-4.3	-2.2	-0.2	-2.1	-5.2	-1.9	0.9	1.2	1.2	1.2	-2.0
평균최고 Ave. Maximum	-0.1	1.5	-1.8	-2.8	1.1	-1.5	-0.3	-1.1	0.4	-2.4	-0.8	-0.2	-3.5	-6.2	-6.2	-6.5	-6.5	-6.5	0.4
평균최저 Ave. Minimum																			-4.1
온도	1.7	0.4	-0.3	-0.6	-3.8	-2.6	-1.3	-1.7	0.2	2.6	-0.1	-2.1	0.4	3.8	4.4	4.4	4.4	4.4	4.4
(℃)	1.4	3.6	1.0	-1.0	3.0	4.3	0.6	0.6	0.9	0.6	0.8	1.1	0.7	-4.4	-3.2	-3.2	-3.2	-3.2	15일
나타난 시간 Time	1930	0030	2100	0030	1730	2400	0800	1900	2400	0200	0130	0130	2000	2400	0400	0400	0400	0400	0400
최저 Lowest	2200	1530	0030	2400	1030	0100	1400	2100	0300	0230	0130	2300	0030	2130	2330	2330	2330	2330	2330
Air Temp.	-2.4	-4.7	-5.6	-7.5	-7.5	-6.5	-4.6	-6.7	-4.1	-1.1	-3.0	-7.6	-5.4	-0.6	-0.8	-0.8	-0.8	-0.8	-8.4
나타난 시간 Time	-0.8	0.0	-3.8	-3.8	-1.4	-4.6	-1.7	-3.5	0.0	-4.4	-3.8	-2.7	-8.3	-7.6	-8.4	-8.4	-8.4	-8.4	30일
	0500	2230	0630	2230	0100	1430	2330	1100	1530	0730	0900	1730	0030	1100	2330	2330	2330	2330	2330
	0030	0030	2200	0930	0030	1730	0130	0500	1800	1200	1800	0030	2100	0030	1700	1700	1700	1700	1700
평균습점온도(℃)	-4.3	-8.3	-8.6	-8.0	-10.4	-9.3	-6.7	-10.3	-6.5	-4.2	-8.0	-13.4	-6.8	-2.1	-2.0	-2.0	-2.0	-2.0	-6.2
Average Dewpoint Temperature	-3.3	-2.2	-5.5	-7.1	-2.5	-5.7	-3.7	-5.1	-2.7	-2.4	-4.6	-4.1	-7.5	-9.8	-10.3	-10.3	-10.3	-10.3	-10.3

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.0	-	0.0	0.8	0.0	-	-	-	-	-	-	-	0.2	0.0	0.0	9.1	
Total Precipitation	0.1	0.7	0.0	0.2	2.6	0.1	0.2	0.1	1.3	0.6	0.4	-	0.5	0.9	0.4		
평 균 Average	88.	77.	81.	93.	91.	85.	90.	83.	89.	91.	83.	69.	88.	94.	94.	89.	
최 소 Lowest	95.	90.	91.	90.	91.	90.	93.	92.	94.	84.	91.	92.	91.	94.	94.	93.	
도 (1%)	66.	64.	64.	84.	86.	77.	80.	66.	75.	71.	62.	50.	68.	89.	87.	50.	
나타난 시간 Time	0700	1100	1030	0300	1000	1330	2030	1300	1400	0200	1300	1600	0100	2400	0400	12일	
R.H.	0530	1030	1800	2100	0100	0100	0230	0600	0400	1700	2330	2400	0230	1930	2400		
평 균 24 hour ave.	14.0	12.6	10.0	10.0	5.5	2.5	6.7	6.3	3.4	10.4	8.2	5.8	10.3	6.2	5.0	8.9	
합 성 풍 향 Direction	7.0	5.3	8.1	6.7	12.7	8.3	7.1	10.1	10.9	12.8	13.0	9.3	10.7	16.5	10.6	NNW	
순 간 최 대 Greatest Gust	NNW	NNE	E	NE	N	ENE	NNW	WNW	NW	WNW	NW	WNW	E	E	ESE	NNW	
(m/s) 풍 향 Direction	28.2	22.0	31.2	26.1	18.8	8.9	13.7	12.2	9.4	23.4	18.8	16.1	17.6	14.1	12.5	33.3	
Wind	14.3	13.1	17.9	15.6	27.0	16.8	15.0	22.2	19.3	26.8	32.8	24.4	24.4	33.3	24.0	29일	
나타난 시간 Time	N	NW	NNE	ESE	ESE	SW	SW	E	N	W	W	E	NW	NNW	NNW	E	
구름(1/8)	N	N	ESE	NNE	NNE	ENE	N	NW	WNW	W	WNW	N	E	E	ESE		
Average Amount of Cloud	0030	0330	1830	2200	0030	0800	1700	0530	2000	2000	0700	1530	1100	0230	0030		
폭풍설 시작 시간 Start Time	2400	1400	1200	2400	0600	1600	1400	1700	0400	0700	1430	0130	1800	1430	0400		
평균 Amount of Cloud	8.0	3.7	5.1	8.0	7.9	5.0	7.9	2.6	1.1	5.9	2.7	0.0	8.0	4.9	7.4	6.2	
폭풍설 시작 시간 Start Time	8.0	8.0	7.1	7.4	7.7	7.7	7.6	7.4	8.0	3.7	8.0	5.0	8.0	8.0	7.0		
Blizzard	1310																
계속 시간 Duration of Blizzard	1130																
폭풍설 시작 시간 Start Time	1000																
Blizzard	2220																
계속 시간 Duration of Blizzard	1220																
폭풍설 시작 시간 Start Time	5840																

1989년 6월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	398 393	328 467	615 421	582 527	374 167	653 355	472 320	565 329	766 0	477 0	1003 373	786 436	397 166	613 242	559 418	13100

구 분	관측못함(NO DATA AVAILABLE)															
	Max. Depth	최	심													
눈 Snow (cm)	합	계	총	합	계	총	합	계	총	합	계	총	합	계	총	합
	신적	최	심	합	계	총	합	계	총	합	계	총	합	계	총	합
	Fall	나	타	날	날	날	날	날	날	날	날	날	날	날	날	날
	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date
담	음	Clear														
개	입	Partly	Cloudy													
흐	림	Cloudy														
눈	눈	Snow														
비	비	Rain														
진	눈	개	비	Sleet												
Meteo. Phenom ena	안	개	Fog													
	박	무	Mist													
유	빙	Drift	Ice													
	(Marian	Cove/Maxwell	Bay)													
	관	측	못	함	(NO	DATA	AVAILABLE)									

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 6월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		28.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.9	23.8	17.3	21.9	23.3
2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	21.9	22.0	18.9
3		17.4	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	17.6	16.0	15.2	12.7
4		0.0	4.8	4.8	4.2	0.0	26.1	23.9	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5		4.6	3.1	0.0	7.4	5.2	18.8	17.3	6.4	5.9	0.0	4.2	0.0	0.0	0.0	5.1	5.4
6		3.1	0.0	3.1	4.1	4.7	2.0	2.7	2.6	0.0	7.2	8.9	5.6	7.5	4.6	6.7	5.7
7		0.0	0.0	0.0	0.0	10.2	11.0	0.0	0.0	10.1	0.0	13.7	11.5	12.3	8.3	8.8	9.2
8		9.3	0.0	4.4	7.6	12.2	12.2	0.0	0.0	0.0	0.0	0.0	8.7	9.0	10.2	9.0	9.1
9		9.4	5.4	4.2	4.6	0.0	0.0	6.4	5.8	4.5	6.3	0.0	7.1	5.8	7.3	8.9	8.9
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0	18.0	23.4	20.1	9.6	7.2
11		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	16.9	18.3	14.3	18.8	15.3	9.1	13.3
12		7.5	4.9	10.7	13.0	16.1	12.0	14.7	6.6	9.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0
13		15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	16.4
14		12.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	8.2	7.9	14.1
15		11.3	9.8	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1	3.9	7.5	12.5
16		14.3	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	11.3
17		13.1	12.1	8.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	3.9	10.9
18		0.0	0.0	0.0	15.5	16.4	17.9	1.5	0.0	1.7	3.5	0.0	0.0	0.0	3.2	5.4	5.0
19		11.2	15.6	8.4	15.6	0.0	0.0	3.9	4.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	8.4
20		21.3	27.0	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21		14.7	13.5	14.6	16.8	14.1	15.2	11.5	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8
22		15.0	6.4	0.0	0.0	0.0	0.0	0.0	6.8	4.5	0.0	0.0	0.0	0.0	11.9	13.8	13.5
23		0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	7.2	17.3	0.0	14.5	20.5	19.8	22.2	16.6
24		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3	17.3	17.8
25		12.1	13.3	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	26.8	20.3	18.7	15.8
26		24.9	30.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	7.6	20.2	23.6	32.8	27.9	25.6	
27		24.4	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	21.1	22.4
28		14.6	13.8	10.9	12.3	24.4	22.2	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29		0.0	0.0	0.0	0.0	33.3	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30		0.0	4.4	0.0	0.0	21.6	24.0	10.5	0.0	6.0	3.3	0.0	0.0	12.4	13.7	6.6	6.3
월 Month		28.2	31.2	25.2	16.8	33.3	26.1	23.9	15.9	11.6	17.3	18.3	26.4	26.8	32.8	27.9	25.6

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1989년 6월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		229	0	0	0	0	0	0	0	0	0	0	42	167	42	250	271	0
2		0	0	0	0	0	0	0	0	0	0	0	0	167	452	357	24	0
3		167	229	0	0	0	0	0	0	0	0	0	21	208	104	42	229	0
4		0	21	42	21	0	271	500	146	0	0	0	0	0	0	0	0	0
5		42	21	0	83	104	438	146	21	21	0	21	0	104	104	42	104	63
6		21	0	0	42	229	63	21	21	0	63	104	146	292	63	42	167	0
7		0	0	0	0	42	167	0	0	21	0	63	146	292	63	42	167	0
8		83	0	21	146	313	104	0	0	0	0	0	21	83	104	63	63	0
9		167	63	42	104	0	0	83	63	42	83	42	42	83	42	42	83	63
10		0	0	0	0	0	0	0	0	21	0	0	125	521	250	21	63	0
11		0	0	0	0	0	0	0	0	21	229	125	63	354	104	21	83	0
12		146	21	63	104	208	271	104	21	42	21	0	0	0	0	0	0	0
13		542	0	0	0	0	0	0	0	0	0	0	0	0	0	63	396	0
14		188	21	0	0	0	0	0	0	0	0	0	0	42	146	83	521	0
15		292	63	0	0	0	0	0	21	0	0	0	0	21	21	250	333	0
16		250	21	0	0	0	0	0	0	0	0	0	0	0	42	104	583	0
17		229	438	83	21	0	0	0	0	0	21	0	0	0	0	21	167	21
18		0	0	0	125	354	333	21	0	21	42	0	0	0	21	42	21	21
19		167	208	63	438	0	0	21	42	42	0	0	0	0	0	0	21	0
20		563	375	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		63	104	188	417	63	63	63	21	0	0	0	0	0	42	125	313	0
22		375	21	0	0	0	0	0	83	42	0	0	42	208	83	333	104	0
23		0	0	0	0	0	0	0	63	63	104	0	42	208	83	333	104	0
24		0	0	0	0	0	0	0	0	0	0	0	0	0	271	438	292	0
25		64	21	64	0	0	0	0	0	0	0	128	383	64	149	128	0	0
26		188	63	0	0	0	0	0	0	21	21	42	188	104	63	313	0	0
27		396	21	0	0	0	0	0	0	0	0	0	0	0	104	250	229	0
28		21	104	21	63	354	354	83	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	771	229	0	0	0	0	0	0	0	0	0	0	0
30		0	42	0	0	63	625	42	0	21	21	0	0	125	21	21	21	0
월	Month	140	62	23	59	78	96	36	17	12	20	12	26	98	70	96	151	5

89251 남극 세종과학기지(King Sejong Station)

1989년 7월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	985	972	976	995	995	990	991	999	1001	994	984	981	983	992	986	995	995
최고 Highest	985	994	999	1006	1000	1002	988	987	1006	1012	1014	1008	1002	999	1003	1008	1015
나타난 시간 Time (hPa)	993	977	985	999	998	994	994	1001	1004	1004	988	987	988	997	997	1015	1015
최저 Lowest	992	995	1005	1007	1006	1006	1002	1000	1010	1013	1015	1014	1004	1002	1006	1009	26일
기압 Air Press.	0300	2330	2330	1800	0730	1030	2400	0830	2230	0030	1600	0030	1930	2200	0030	0030	1100
최저 Lowest	2130	0630	2300	1700	0030	0100	0030	2330	2030	1600	1130	0030	0030	2300	2300	1100	965
나타난 시간 Time	968	965	972	985	991	985	986	993	999	979	979	976	979	987	973	965	965
최저 Lowest	972	992	992	1004	992	999	976	978	1000	1010	1013	1003	1000	997	1001	1006	2일
나타난 시간 Time	2400	0330	1130	0030	2300	2300	0030	0030	0030	2130	0130	1330	0030	0030	0030	0030	2일
최저 Lowest	0100	0030	0230	0030	1300	0900	1930	0030	0030	0030	0030	2400	2200	0500	0030	0030	0030
기온 평균 Average	-0.4	0.3	-1.1	-2.4	0.1	0.4	0.2	-0.1	-1.2	0.0	0.4	1.1	-0.8	-0.9	0.1	-0.7	-0.7
평균최고 Ave. Maximum	0.0	0.8	-1.0	-0.7	-0.9	-0.6	-0.3	-3.4	-2.9	-2.6	-2.0	0.9	1.0	0.2	-2.4	-2.6	0.7
평균최저 Ave. Minimum																	-2.1
온도 (°C)	0.6	1.3	0.2	0.0	0.7	2.3	1.1	0.7	-0.3	1.9	1.8	3.6	0.8	-0.3	2.0	3.6	3.6
최고 Highest	1.4	1.0	1.3	0.0	0.8	0.2	1.3	-1.5	-1.2	-1.9	-0.2	3.6	2.7	1.9	-0.9	-2.1	12일/27일
나타난 시간 Time	2200	0200	0700	2300	1600	1800	2000	0030	0030	0830	1930	0530	0600	0030	1400	1400	1400
최저 Lowest	0100	0130	0200	2330	1100	1630	1130	0030	1300	2230	2400	1300	0030	0230	0300	1400	1400
기온 Air Temp.	-3.4	-0.9	-4.7	-5.5	-0.2	-0.6	-0.5	-0.7	-2.1	-2.3	-0.3	-0.4	-2.9	-2.1	-2.0	-5.5	-5.5
최저 Lowest	-1.3	0.5	-2.5	-1.3	-3.2	-2.0	-1.5	-4.9	-4.8	-3.1	-3.1	-0.6	0.3	-1.1	-3.4	-3.2	4일
나타난 시간 Time	0030	2230	2400	0530	0030	1300	1330	1130	2230	0100	0030	0700	1630	2030	0130	2330	2330
최저 Lowest	0900	0930	1500	0030	1800	0030	0630	1100	0830	1330	0500	1000	1000	2400	1030	2330	2330
평균추진온도(°C)	-4.0	-3.6	-3.9	-6.7	-2.7	-2.6	-3.1	-4.1	-4.7	-3.7	-2.9	-3.1	-5.3	-3.8	-4.6	-4.6	-4.6
Average Dewpoint Temperature	-3.3	-2.8	-5.6	-4.5	-5.9	-5.3	-4.0	-9.1	-7.9	-6.6	-6.4	-3.2	-2.2	-3.2	-6.5	-7.1	-7.1

1989년 7월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.1	0.0	4.9	-	2.7	1.6	0.0	0.0	-	2.3	0.2	0.2	0.1	-	1.2	16.5	
Total Precipitation	0.4	0.0	0.6	0.0	0.0	-	0.1	0.8	-	0.0	-	0.0	1.0	0.2	-	0.1	
평 균 Average	93.	91.	96.	91.	97.	96.	94.	92.	95.	93.	93.	91.	91.	90.	92.	92.	
대 소 Lowest	93.	93.	90.	94.	87.	89.	93.	86.	89.	93.	92.	92.	96.	95.	93.	92.	
습 도 (1%)	81.	71.	93.	79.	95.	89.	88.	88.	92.	84.	89.	75.	78.	80.	77.	68.	
(1%) 나타난 시간 Time	88.	92.	80.	90.	68.	73.	88.	72.	75.	90.	89.	84.	91.	90.	89.	88.	
R.H.	0130	1000	2400	1100	0030	1830	2130	0730	0600	0830	1930	0600	1730	2100	0730		
	1400	0500	1330	0330	2300	0030	0900	0400	0100	1700	0800	1300	0030	0530	2400	0330	
평 균 24 hour ave.	12.9	14.2	6.7	7.3	9.0	10.2	9.5	7.8	6.8	13.4	10.3	12.2	9.5	8.0	15.4	9.6	
바 합성 풍 향 Direction	9.7	13.0	8.9	8.5	13.7	13.0	11.9	13.6	2.8	7.3	8.3	5.7	8.7	8.3	6.5	5.8	
람 순 간 최대 Greatest Gust	NW	NW	N	W	NW	NNW	NW	NW	NW	N	NNW	N	NW	NW	N	NNW	
(m/s) 풍 향 Direction	NW	NNW	WNW	NNW	NW	WNW	NNW	WSW	NNE	NNW	NNW	NNW	NNW	NNW	WNW	WNW	
Wind	30.8	27.7	15.7	18.4	16.5	22.5	18.9	17.8	12.2	32.8	18.8	22.1	17.1	18.6	33.4	33.4	
	24.6	20.8	22.4	16.8	27.7	29.4	21.8	32.3	9.6	13.8	15.1	13.9	17.4	15.4	13.8	11.5	
	N	N	SSE	WSW	NNW	NW	WNW	WNW	NNW	NNE	N	N	WNW	WNW	N	N	
	N	NNW	N	NNW	N	W	N	WSW	S	NNW	NNW	NNW	NNW	N	W	NNW	
나타난 시간 Time	2300	0030	1730	1430	1430	0430	2330	0300	0100	1800	1930	0730	1500	0100	1700		
	0100	1630	0300	2000	0500	0400	1430	0930	1100	2230	0600	2400	0730	0800	1800	2330	
구름(1/8)	8.0	7.6	7.9	3.3	8.0	8.0	7.6	7.6	7.6	7.0	5.9	7.1	3.4	5.4	7.7	6.2	
Average Amount of Cloud	2.9	7.7	1.0	7.0	8.0	8.0	8.0	5.6	3.3	7.3	1.0	3.6	8.0	8.0	4.1	6.9	
폭풍설 시작 시간 Start Time																	
Blizzard																	
계속 시간 Duration of Blizzard																	

현상없음(NO OCCURRENCE)

1989년 7월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	333	587	614	721	330	343	340	372	652	367	422	172	711	424	394	20201
	806	551	835	654	208	449	559	559	1126	911	1727	1756	526	480	1240	1032

관측못함(NO DATA AVAILABLE)

눈 Snow (cm)	적 설 최 심 Max. Depth Snow Cover		관측못함(NO DATA AVAILABLE)														2
	신적설 합 계 Total	최 심 Max. Depth Fall	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	0.0	0.0	8.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	2.0	-	15.5
	1.0	0.0	1.0	0.0	0.0	-	1.0	1.5	-	0.0	-	-	-	0.0	-	1.0	8.0
기 상 현 상																	3일
맑음 Clear			v									v					2
개 운 Partly Cloudy				v								v			v		9
흐 름 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	20
눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	29
비 Rain	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	9
진 눈 캐 비 Sleet												v					2
안 개 Fog	v																15
박 무 Mist																	2
유 빙 Drift Ice (Marian Cove/Maxwell Bay)	v	v															

관측못함(NO DATA AVAILABLE)

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 7월

요소 일 Date	Element N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
1	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	12.4	17.5
2	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	24.1	25.4
3	10.5	0.0	0.0	0.0	0.0	11.3	0.0	15.7	14.8	15.2	0.0	2.5	0.0	5.2	5.8	10.4	
4	0.0	0.0	0.0	0.0	10.0	11.9	0.0	2.4	0.0	0.0	8.1	18.4	16.8	14.4	16.1	14.4	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	15.0	13.7
6	16.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	22.5	17.5
7	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	18.9	17.7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	17.8	11.5
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	12.2	11.5
10	20.8	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4
11	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3
12	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2
13	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	17.1	14.8
14	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	18.6	12.5
15	33.4	31.8	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
16	24.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	12.9	14.7	15.6	17.9	
17	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8
18	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	11.5	13.7	13.6	13.5	17.5	17.5	
19	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8
20	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	20.2	19.1	17.4	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	27.8	20.5	0.0	
22	21.8	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	16.9	19.1	19.8	
23	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	14.4	29.8	32.3	25.0	14.1	14.9	0.0	
24	7.6	4.7	0.0	5.6	4.2	0.0	0.0	0.0	9.6	8.6	6.3	3.2	6.8	4.9	7.8	7.7	
25	10.6	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	13.8
26	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1
27	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	7.6	8.7	13.9	
28	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4
29	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	13.1
30	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	13.8	11.7	9.7	8.2	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	8.2	10.7	10.9	11.5	
월 Month	33.4	32.8	19.2	5.6	10.0	11.9	0.0	15.7	14.8	15.2	29.8	32.3	29.4	27.8	24.1	25.4	

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1989년 7월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	CLM
1	500	0	0	0	0	0	0	0	0	0	0	0	0	42	104	354	0
2	104	0	0	0	0	0	0	0	0	0	0	0	0	167	479	250	0
3	354	0	0	0	0	167	0	104	21	83	0	21	0	42	42	167	0
4	0	0	0	0	42	125	0	21	0	0	42	104	271	42	271	42	42
5	0	0	0	0	0	0	0	0	0	0	0	0	21	271	188	521	0
6	167	21	0	0	0	0	0	0	0	0	0	0	0	146	146	521	0
7	42	0	0	0	0	0	0	0	0	0	0	0	21	229	396	313	0
8	0	0	0	0	0	0	0	0	0	0	0	0	42	396	438	125	0
9	0	0	0	0	0	0	0	0	0	0	0	0	42	417	313	229	0
10	188	604	0	0	0	0	0	0	0	0	0	0	0	250	438	0	208
11	313	0	0	0	0	0	0	0	0	0	0	0	0	83	167	0	0
12	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	21	0	0	0	0	0	0	0	0	0	0	0	21	333	271	354	0
14	21	0	0	0	0	0	0	0	0	0	0	0	146	375	188	271	0
15	500	438	21	0	0	0	0	0	0	0	0	0	0	0	0	42	0
16	146	0	0	0	0	0	0	0	0	0	0	21	104	63	208	458	0
17	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	979	0
18	208	0	0	0	0	0	0	0	0	21	21	271	292	146	42	0	0
19	146	0	0	0	0	0	0	0	0	0	0	0	0	375	479	0	0
20	542	0	0	0	0	0	0	0	0	0	83	333	21	21	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	104	625	271	0	0	0
22	271	42	0	0	0	0	0	0	0	0	0	21	83	292	292	0	0
23	0	0	0	21	0	0	0	0	0	42	208	208	396	83	42	0	0
24	104	21	0	292	83	0	0	0	42	42	42	21	83	63	63	125	21
25	104	0	42	0	0	0	0	0	0	0	0	0	0	292	563	0	0
26	417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	583	0
27	167	0	0	0	0	0	0	0	0	0	0	0	63	83	229	458	0
28	333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	667	0
29	313	0	0	0	0	0	0	0	0	0	0	0	0	0	21	667	0
30	21	0	0	0	0	0	0	0	0	0	42	375	229	250	83	0	0
31	0	0	0	0	0	0	0	0	0	0	125	63	188	521	104	0	0
월 Month	186	36	2	10	4	9	0	4	2	5	10	21	77	135	190	306	2

89251 남극 세종과학기지(King Sejong Station)

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요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 Month
기압 평균 Ave. Station	999	997	1000	1000	984	984	1003	1011	1001	1005	1015	1006	995	990	993	998
최고 Highest	989	985	988	991	997	1002	1010	1012	1003	994	999	1003	993	989	994	996
나타난 시간 Time	1008	999	1002	1002	996	993	1016	1017	1006	1014	1016	1013	998	993	995	1017
(hPa)	994	987	994	997	1002	1006	1013	1013	1010	997	1004	1005	999	990	999	1000
최저 Lowest	0030	1630	0700	0930	0030	2330	2400	0200	0030	2400	0930	0030	0030	0030	1830	0300
Air Press.	0030	2200	2330	0400	1900	2330	2100	0030	0030	0030	2230	0130	0030	0700	2400	0300
나타난 시간 Time	992	993	999	996	977	977	993	1005	999	998	1013	998	991	988	990	977
기온 평균 Average	984	984	985	985	991	999	1004	1009	997	992	993	999	989	988	990	989
평균 최고 Ave. Maximum	2000	0030	0030	2400	2030	0030	0030	2400	2130	0030	2300	2400	0530	1030	0030	5일/6일
평균 최저 Ave. Minimum	2230	0030	1100	1430	1200	0500	0030	2330	2230	1300	0030	2300	2230	0300	0030	2030
온도 (°C)	-1.9	-1.3	0.0	1.0	0.4	-2.2	-0.5	0.4	0.3	-4.7	-4.5	-3.1	1.1	1.9	0.4	-2.1
최고 Highest	-3.9	-7.5	-4.1	-3.4	-2.2	-0.1	0.1	1.1	-1.4	-1.1	-2.2	-3.4	-4.5	-6.8	-6.7	-6.2
나타난 시간 Time	0.0	0.2	1.6	3.8	3.4	-0.4	0.1	3.0	2.3	0.0	-3.5	-0.2	2.6	4.2	1.5	4.2
최저 Lowest	0.2	-5.9	-1.8	-0.6	-0.8	0.2	0.8	2.1	0.4	0.0	-0.6	-2.3	-3.5	-5.3	-5.5	-3.9
Air Temp.	1830	2000	1700	1700	0100	2300	0930	1100	0330	0030	0730	2400	2400	0700	0030	14일
나타난 시간 Time	0030	1830	1400	1530	1200	1600	2400	0530	0100	1100	0030	1200	1100	0030	1430	2130
최저 Lowest	-3.6	-2.5	-0.8	-0.8	-5.3	-5.4	-1.4	-2.6	-0.3	-7.6	-6.7	-6.5	-0.6	0.6	-0.6	-9.3
나타난 시간 Time	-8.5	-9.0	-8.7	-9.3	-4.2	-1.4	-0.4	-0.1	-3.0	-3.1	-3.7	-5.1	-5.5	-7.8	-8.8	-8.4
평균습점온도(°C)	0730	1500	2330	0030	2400	0100	2400	0230	1530	2230	0030	0430	0030	1830	2000	19일
Average Dewpoint Temperature	2400	0430	2400	0030	0030	2100	2330	1830	0030	1530	2400	0230	1030	1800	0330	0330
습점온도(°C)	-5.8	-6.3	-3.3	-2.7	-3.6	-6.0	-4.2	-3.8	-3.1	-9.2	-9.5	-8.7	-3.4	-3.2	-4.2	-6.7
Average Dewpoint Temperature	-8.0	-11.9	-9.5	-9.2	-8.6	-4.4	-3.9	-4.9	-6.7	-6.1	-6.4	-7.6	-9.2	-11.5	-11.8	-10.7

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요소 Element	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month															
강수량(mm)	0.0	0.1	0.0	-	1.9	0.6	0.0	1.8	0.1	0.0	-	-	-	-	-	-	0.9	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	2.9	11.0			
Total Precipitation	0.3	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	2.9				
평 균 Average	95.	90.	97.	94.	92.	93.	94.	92.	95.	92.	93.	94.	92.	95.	92.	90.	92.	95.	92.	90.	86.	90.	86.	90.	87.	90.	87.	90.	90.	91.		
상 대 습 도 (1%)	93.	92.	88.	87.	84.	93.	94.	83.	88.	90.	93.	94.	83.	88.	90.	92.	92.	88.	90.	92.	92.	92.	92.	92.	92.	92.	92.	91.	94.	94.		
최 소 Lowest	92.	80.	94.	86.	84.	90.	91.	71.	89.	85.	90.	91.	71.	89.	85.	84.	84.	89.	84.	84.	67.	77.	77.	64.	72.	64.	72.	64.	72.	64.		
도 (1%)	73.	89.	76.	73.	71.	91.	73.	69.	77.	84.	89.	73.	69.	77.	84.	89.	90.	90.	84.	90.	90.	90.	90.	84.	77.	84.	77.	89.	89.	14일		
나타난 시간 Time	2130	1330	0030	2400	0030	1400	1900	0630	1230	2400	0030	1600	2230	0030	1600	0030	0130	1200	1730	0130	1200	1200	1200	1200	1730	1600	1600	0030	0030	0030		
R.H.	2030	2230	1800	2300	0200	0700	2230	2230	0100	1200	1200	0130	0130	1200	1730	1600	0030	0130	1200	1730	1600	0030	0130	1200	1730	1600	0030	0030	0030	0030		
평 균 24 hour ave.	11.4	6.9	9.6	7.6	8.2	8.6	7.0	10.0	8.2	8.3	8.6	7.0	10.0	8.2	8.3	4.1	5.2	8.3	4.1	5.2	12.7	12.7	7.5	7.5	6.3	6.3	6.3	6.3	6.3	8.2		
바 람 합성 풍 향 Direction	9.1	7.0	8.6	9.5	10.1	11.1	7.6	9.3	4.3	4.2	7.0	7.6	9.3	4.3	4.2	7.0	6.0	7.0	7.0	7.0	6.0	7.3	10.9	4.6	16.6	16.6	16.6	16.6	16.6	E		
순 간 최대 Greatest Gust	21.8	14.4	15.9	16.7	20.4	18.0	16.0	20.4	16.4	18.2	16.4	16.4	20.4	16.4	18.2	9.3	20.8	9.3	20.8	27.4	27.4	27.4	18.5	19.6	19.6	19.6	19.6	19.6	33.9	33.9		
(m/s) 풍 향 Direction	23.5	15.2	19.8	17.0	23.1	20.1	17.9	18.1	10.5	11.3	14.4	10.1	17.0	10.1	11.3	14.4	10.1	17.0	10.1	17.0	17.0	20.0	20.0	12.0	12.0	12.0	12.0	12.0	31일	E		
Wind 나타난 시간 Time	1430	2000	1800	0300	0900	2330	1130	1100	0700	0900	2030	1500	1000	1500	1000	1500	0530	2330	1730	0430	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800		
구름(1/8)	7.8	1.4	8.0	8.0	8.0	5.0	6.9	7.9	8.0	6.6	8.0	1.0	5.4	3.1	7.3	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5		
Average Amount of Cloud	7.1	6.8	6.6	7.4	5.0	6.8	7.7	4.0	7.6	8.0	8.0	7.9	7.9	7.4	5.1	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.4	5.1	8.0	8.0	8.0	8.0	8.0		
폭풍설 시작 시간 Start Time																															0930	
Bliz-zard 끝난 시간 End Time																															2240	
계속 시간 Duration of Blizzard																															1310	
																															1310	

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요 소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31															
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	940	1877	1039	885	581	1609	965	1141	699	1622	1139	2706	1682	3504	1879	3334	3886	62438														
적 설 최 심 Max. Depth Snow Cover	2287	2108	1837	1767	2582	3253	1911	3305	2728	1341	2609	2826	2002	2394	3334	3886																
관측못함(NO DATA AVAILABLE)																																
신적설 합 계 Total	0.0	0.0	-	-	5.0	2.0	0.0	-	0.0	0.0	-	-	-	-	-	-	-	90.0														
Snow Fall	1.0	1.0	-	-	-	-	-	-	-	4.0	0.0	0.0	0.0	2.0	10.0	65.0	65.0															
최 심 Max. Depth 나타난 날 Date																		31일														
맑 음 Clear		v																2														
개 임 Partly Cloudy					v								v	v				6														
흐 름 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	23														
눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	16														
비 Rain	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	5														
진 눈 개 비 Sleet	v																	1														
안 개 Fog	v																	9														
박 무 Mist	v																	5														
유 빙 Drift Ice (Marian Cove/Maxwell Bay)																																
관측못함(NO DATA AVAILABLE)																																

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

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요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9	17.9	21.8
2	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	13.4	12.5	13.5	
3	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	15.5	
4	12.7	5.7	10.7	0.0	7.6	0.0	6.4	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	16.7	
5	0.0	0.0	20.4	15.8	11.9	18.7	13.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	5.0	0.0	4.8	14.0	13.0	0.0	0.0	0.0	0.0	16.4	18.0	15.5	6.5	7.1	
7	0.0	2.9	0.0	0.0	0.0	0.0	0.0	3.1	3.8	13.6	14.5	9.3	15.1	16.0	12.2	10.1	
8	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	17.4	
9	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	16.4	
10	7.9	5.6	0.0	8.5	18.2	18.1	0.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	
11	9.3	9.0	3.4	4.5	5.3	5.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	6.4	8.0	8.4	
12	0.0	0.0	20.8	20.1	17.5	11.2	10.2	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	
13	15.4	25.5	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	8.3	18.5	16.1	12.4	10.9	7.1	8.5	4.3	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	
15	11.9	19.6	18.5	7.4	5.7	9.8	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	2.9	
16	0.0	9.5	0.0	0.0	17.8	23.5	6.5	4.2	4.4	0.0	0.0	0.0	0.0	0.0	6.2	0.0	
17	0.0	0.0	5.7	8.7	14.6	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	10.6	3.2	0.0	0.0	0.0	12.5	0.0	0.0	0.0	18.4	19.8	19.5	18.5	6.8	0.0	11.7	
19	12.7	0.0	0.0	9.3	9.7	7.8	0.0	0.0	0.0	0.0	0.0	16.2	16.0	17.0	16.8	15.7	
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	18.8	23.1	12.7	10.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	18.8	0.0	
22	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	6.5	
23	18.1	13.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24	9.4	10.0	7.9	10.5	10.0	8.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	0.0	0.0	0.0	9.9	10.2	11.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	0.0	0.0	0.0	8.1	12.7	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	9.5	10.1	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	0.0	0.0	0.0	0.0	13.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	0.0	0.0	0.0	0.0	12.7	20.0	14.6	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
30	0.0	0.0	0.0	11.9	9.7	9.2	10.2	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
31	0.0	0.0	0.0	29.8	33.9	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
월 Month	18.1	25.5	27.4	29.8	33.9	25.4	14.6	12.0	4.4	18.4	19.8	19.5	18.8	23.1	18.8	21.8	

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

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일 Date	요소 Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		0	0	0	0	0	0	0	0	0	0	0	0	0	106	234	660	0
2		104	0	0	0	0	0	0	0	0	0	0	0	167	375	63	292	0
3		271	0	0	0	0	0	0	0	0	0	0	0	0	0	63	667	0
4		188	21	63	0	21	0	42	0	21	0	0	0	0	0	0	646	0
5		0	0	313	229	83	292	63	21	0	0	0	0	0	0	0	0	0
6		0	0	21	0	21	42	167	0	0	0	0	42	542	63	21	83	0
7		0	21	0	0	0	0	0	21	104	83	42	63	396	167	83	0	0
8		417	208	0	0	0	0	0	0	0	0	0	0	0	21	354	0	0
9		208	0	0	0	0	0	0	0	0	0	0	0	0	21	771	0	0
10		42	42	0	83	563	167	0	21	0	0	0	0	0	0	0	83	0
11		229	104	21	63	42	63	21	0	0	0	0	0	0	21	208	188	42
12		0	0	146	250	146	188	0	0	0	21	0	0	0	0	0	0	0
13		313	396	292	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		21	292	354	167	83	21	21	21	0	21	0	0	0	0	0	0	0
15		188	271	333	63	21	83	0	0	0	21	0	0	0	0	0	21	0
16		0	83	0	0	83	604	125	42	42	0	0	0	0	0	21	0	0
17		0	0	21	468	170	340	0	0	0	0	0	0	0	0	0	0	0
18		125	21	0	0	0	104	0	0	0	21	104	208	313	21	0	63	21
19		83	0	0	42	42	21	0	0	0	0	0	188	208	146	146	125	0
20		0	0	0	0	0	0	0	0	0	0	0	146	521	271	42	21	0
21		0	0	0	0	0	0	0	0	0	0	0	0	0	333	667	0	0
22		333	0	0	0	0	0	0	0	0	0	0	0	0	0	542	125	0
23		688	188	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		83	208	146	250	167	83	21	0	0	0	0	0	0	0	0	0	42
25		0	0	0	128	404	340	128	0	0	0	0	0	0	0	0	0	0
26		0	0	0	63	458	479	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	83	896	21	0	0	0	0	0	0	0	0	0	0
28		0	0	0	0	479	521	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	21	917	42	21	0	0	0	0	0	0	0	0	0
30		0	0	0	104	208	229	250	208	0	0	0	0	0	0	0	0	0
31		0	0	0	42	854	104	0	0	0	0	0	0	0	0	0	0	0
월 Month		106	60	59	63	131	176	35	11	3	6	6	20	59	56	71	135	3

89251 남극 세종과학기지(King Sejong Station)

1989년 9월

일	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월									
요소 Element																																Month									
기압 평균 Ave. Station	992	989	983	981	981	979	985	994	1001	998	990	969	977	991	992	990	990	985	983	985	988	979	987	1015	1016	1017	1011	999	1002	1002	990	990									
최고 Highest	1001	988	979	978	979	971	978	1005	1010	1002	1014	1003	997	1001	997	1001	997	995	995	995	995	999	999	999	999	999	999	999	999	999	999	999	1017	1017							
나타난 시간 Time (hPa)	0900	0030	0030	0030	1300	2400	2230	2300	0830	0030	0030	0030	2200	1500	2300	1500	2300	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	26일	26일					
최저 Lowest (Air Press.)	986	985	981	980	980	976	981	990	999	999	995	978	963	969	985	986	986	975	973	964	965	970	987	1000	991	1010	998	996	998	998	992	992	992	992	992	992	963	963			
나타난 시간 Time	1400	2230	1500	1600	0030	1030	0030	0030	0030	0030	0030	2400	1400	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	12일	12일			
기온 평균 Average	-5.1	-9.2	-8.2	-8.0	-9.5	-10.2	-10.1	-8.6	-6.0	-1.7	-0.2	0.1	-1.3	0.1	0.2	0.2	0.2	0.1	0.1	-1.3	-1.5	-3.3	-3.3	-0.9	-3.3	-1.1	0.4	0.1	-0.5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-3.0	-3.0			
평균최고 Ave. Maximum	0.2	2.1	0.1	-1.3	-1.1	-2.2	-1.5	-3.3	-0.9	-3.3	-1.1	0.4	0.1	-0.5	-0.2	-0.2	-0.2	-0.2	-0.2	-1.3	-1.5	-3.3	-3.3	-0.9	-3.3	-1.1	0.4	0.1	-0.5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-1.2	-1.2			
평균최저 Ave. Minimum																																						-4.9	-4.9		
온도	-1.2	-7.8	-7.1	-6.8	-8.3	-9.1	-9.0	-6.7	-2.6	-0.6	0.2	0.8	0.6	1.2	1.1	1.1	1.1	0.4	0.0	0.2	1.6	1.9	2.8	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.1	6.1			
(℃)	1230	0030	1130	1230	0130	0900	2230	1400	1030	2300	0900	0330	1600	2330	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	0030	17일	17일		
나타난 시간 Time	2330	1430	0930	0300	1430	0030	0800	1130	1200	0300	2000	1030	1430	1430	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400		
최저 Lowest (Air Temp.)	-7.8	-10.4	-9.6	-9.2	-10.6	-11.2	-11.2	-10.2	-9.4	-4.5	-0.7	-2.3	-3.8	-0.2	-1.4	-1.4	-1.4	-1.6	-2.7	-3.4	-6.5	-6.6	-3.0	-5.5	-4.1	-0.3	-1.2	-2.4	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-11.2	-11.2	
나타난 시간 Time	2200	0430	2330	0030	1200	2100	0730	0100	0200	0030	0030	2330	0500	1730	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	6일/7일	6일/7일
평균눈점온도(℃)	-9.1	-14.0	-13.9	-13.0	-14.4	-14.7	-14.4	-14.7	-12.7	-6.2	-3.6	-3.4	-6.8	-3.2	-3.3	-3.3	-3.3	-3.4	-5.4	-8.7	-6.2	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-7.6	-7.6
Average Dewpoint Temperature	-3.4	-1.4	-3.7	-5.6	-5.7	-8.2	-6.4	-10.1	-5.4	-8.7	-6.2	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.4	-5.4	-8.7	-6.2	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	

1989년 9월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.2	0.5	-	0.0	*	*	*	*	-	-	0.0	0.3	0.2	0.1	0.0	12.0	
Total Precipitation	4.2	-	-	-	5.0	6.0	7.0	-	4.0	-	0.0	-	1.0	-	0.0		
상대 평균 Average	94.	93.	90.	91.	92.	93.	93.	86.	83.	92.	96.	95.	86.	96.	96.	92.	
습도 소 Lowest	95.	94.	94.	93.	93.	85.	91.	80.	93.	90.	92.	96.	96.	91.	91.	91.	
도 (1*) 나타난 시간 Time	91.	89.	86.	88.	89.	91.	91.	74.	62.	85.	94.	79.	67.	94.	93.	57.	
R.H.	91.	86.	91.	89.	88.	67.	58.	57.	89.	81.	80.	63.	89.	77.	64.	23일	
	2400	2330	0600	1300	1030	0300	2300	1300	1030	0030	1200	2400	0200	1500	0900		
	0730	1430	1000	0330	1400	1700	1200	1200	0030	2230	0100	1930	2330	1430	1500		
바 평 균 24 hour ave.	13.0	11.7	9.9	12.9	14.5	14.3	14.2	6.2	3.1	6.9	10.4	12.7	13.9	10.9	9.9	10.0	
합성 풍 향 Direction	8.7	10.6	8.4	5.3	11.7	11.1	11.0	2.9	9.4	11.8	10.9	13.0	7.6	4.0	8.2	N/	
람 순간 최대 Greatest Gust	E	E	ENE	E	E	ESE	SE	SE	NNE	WNW	NNW	NNW	WNW	NW	NNW	NNW	
(m/s) 풍 향 Direction	NNW	N	N	WNW	NW	W	W	SSW	NW	W	WNW	N	N	NNW	N	NNW	
Wind 나타난 시간 Time	26.0	21.0	23.0	21.0	23.8	23.0	25.7	17.5	11.6	15.5	19.7	23.0	25.8	25.3	24.2	27.9	
	20.8	20.2	19.1	13.6	27.9	19.5	23.3	11.3	18.6	24.3	22.5	20.9	18.5	11.6	19.0	20일	
	ESE	ESE	E	E	E	E	ESE	SE	SE	W	WNW	N	W	N	N	NNE	
	N	NNE	N	W	NNE	W	SW	SE	NNW	WSW	NW	N	N	SSW	NNE		
	0100	0400	2300	0030	1630	0300	0600	0100	2330	2330	2330	0430	0300	2400	0030		
	1000	1930	1030	2400	1300	2200	1100	0030	2130	1230	1300	1400	0300	0330	1400		
구름(1/8)	6.9	6.8	7.7	8.0	8.0	9.0	9.0	1.1	0.6	7.4	8.0	8.0	6.7	8.0	8.0	6.6	
Average Amount of Cloud	8.0	7.7	7.3	5.4	8.0	4.4	5.3	1.4	7.6	5.9	8.0	8.0	7.5	2.4	7.4		
폭풍설 시작 시간 Start Time	0750																
Blizzard	1900																
계속 시간 Duration of Blizzard	3510																

1989년 9월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	4686	3964	4419	3930	2179	3249	2143	8840	8555	4022	2443	2130	5201	3063	3217	155750
	2685	4122	3753	4995	4847	9158	7449	10617	7297	6319	5109	3275	5761	11123	7199	
관측못함(NO DATA AVAILABLE)																
눈 Snow	Max. Depth Snow Cover															
	합	계	총													
(cm)	20.0	35.0	-	10.0	30.0	40.0	35.0	-	-	-	1.0	1.0	1.0	0.0	1.5	197.5
				5.0	5.0	6.0	7.0	-	4.0	-	0.0	-	1.0	-	0.0	40.0
	최	심	날	Date												6일
기상 현상	맑음	맑음	맑음	맑음	맑음	맑음	맑음	맑음	맑음	맑음	맑음	맑음	맑음	맑음	맑음	3
	개	일	부분	흐린	흐린	흐린	흐린	흐린	흐린	흐린	흐린	흐린	흐린	흐린	흐린	5
																22
																18
																5
																3
																2
																3
유빙	관측못함(NO DATA AVAILABLE)															
(Marian Cove/Maxwell Bay)																

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 9월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		0.0	0.0	22.4	24.9	23.4	26.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2		0.0	0.0	0.0	18.9	20.9	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3		0.0	0.0	17.2	18.1	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4		0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5		0.0	0.0	0.0	22.3	23.8	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6		0.0	0.0	0.0	0.0	23.0	22.3	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7		0.0	0.0	0.0	0.0	0.0	25.7	24.2	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8		0.0	0.0	0.0	0.0	0.0	12.4	17.5	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9		7.8	4.8	4.5	5.5	3.7	0.0	2.2	0.0	0.0	0.0	6.3	11.6	10.0	0.0	8.1	0.0
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	15.5	14.3	0.0	0.0
11		19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	15.3	19.2	0.0
12		23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	21.5	18.2	20.4	0.0
13		22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	22.8	24.6	18.0	0.0
14		25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	16.9	15.4	0.0
15		24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	15.7	16.2	0.0
16		20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	13.6	16.2	0.0
17		18.4	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5
18		19.1	0.0	0.0	2.7	2.5	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	13.7	13.3
19		10.5	1.6	4.8	2.1	0.0	2.3	0.0	2.0	0.0	0.0	7.3	9.4	13.6	11.3	5.9	10.1
20		25.7	27.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	15.0	13.7	16.4
21		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	18.4	19.5	15.6	0.0	0.0
22		0.0	0.0	0.0	0.0	0.0	12.1	13.6	0.0	0.0	0.0	23.3	16.5	19.3	21.2	13.1	0.0
23		0.0	0.0	2.3	6.1	5.7	8.7	11.3	2.9	0.0	0.0	5.7	6.9	6.9	5.5	4.5	7.0
24		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	13.4	14.7	18.6
25		6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	23.3	24.3	16.0	14.5	18.1	18.5
26		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	18.7	21.9	22.5	18.1
27		20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7
28		18.5	0.0	0.0	0.0	0.0	13.8	11.7	10.0	4.6	4.3	0.0	0.0	5.0	0.0	7.1	15.4
29		7.3	4.0	0.0	0.0	0.0	7.0	6.3	11.2	11.6	2.5	0.0	0.0	6.9	5.1	8.5	0.0
30		18.7	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8
월	Month	25.7	27.9	22.4	24.9	23.8	26.0	24.2	15.6	11.2	13.4	23.3	24.3	25.8	22.8	24.6	20.4

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1989년 9월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	경은 CLM
1	0	0	63	354	250	313	21	0	0	0	0	0	0	0	0	0	0
2	0	0	0	167	667	167	0	0	0	0	0	0	0	0	0	0	0
3	0	0	125	667	208	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1000	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	104	875	21	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	354	417	229	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	667	250	83	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	146	583	271	0	0	0	0	0	0	0	0	0
9	83	63	42	333	21	0	21	0	0	63	125	125	0	0	104	21	0
10	0	0	0	0	0	0	0	0	0	0	271	583	146	0	0	0	0
11	188	0	0	0	0	0	0	0	0	0	0	167	333	313	0	0	0
12	458	0	0	0	0	0	0	0	0	0	21	104	208	208	0	0	0
13	21	0	0	0	0	0	0	0	0	0	438	375	146	21	0	0	0
14	229	0	0	0	0	0	0	0	0	0	0	167	396	208	0	0	0
15	250	0	0	0	0	0	0	0	0	0	0	146	208	396	0	0	0
16	521	0	0	0	0	0	0	0	0	0	0	42	104	333	0	0	0
17	729	229	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0
18	521	0	0	42	21	0	0	0	0	0	83	438	21	104	167	21	0
19	417	21	0	0	0	0	0	0	0	21	83	292	83	104	83	0	0
20	0	0	0	0	0	0	0	0	0	0	188	708	83	0	0	0	0
21	0	0	0	0	0	21	0	0	0	21	188	167	271	333	63	0	0
22	0	0	0	0	0	21	21	0	0	0	125	167	83	42	42	21	0
23	0	0	42	42	63	104	208	21	0	0	188	333	250	229	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	188	333	250	229	0	0
25	21	0	0	0	0	0	0	21	354	229	104	21	63	188	0	0	0
26	0	0	0	0	0	0	0	0	0	21	292	208	271	0	0	0	0
27	417	0	0	0	0	0	0	0	0	0	0	0	0	583	0	0	0
28	375	0	0	0	104	125	63	42	63	0	21	0	21	188	0	0	0
29	292	21	0	0	0	21	42	104	63	42	0	0	42	83	292	0	0
30	521	229	0	0	0	0	0	0	0	0	0	0	0	0	250	0	0
월 Month	169	19	10	58	115	66	49	17	5	6	20	29	111	97	88	139	2

89251 남극 세종과학기지(King Sejong Station)

1989년 10월

요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
기압 평균 Ave. Station	989	981	979	988	970	977	979	979	982	992	999	977	986	989	971	983	983															
최고 Highest	974	985	979	984	982	980	1001	1007	996	985	979	977	986	990	970	971	971															
나타난 시간 Time (hPa)	983	988	982	971	974	986	987	987	988	1003	1007	982	994	996	983	1010	1010															
최저 Lowest	0030	0030	0930	0030	2300	2400	0100	2130	0100	2300	0800	0030	2300	0400	0330	2230	2230															
Air Press.	987	975	970	963	964	973	972	968	977	981	982	974	979	978	957	957	957															
나타난 시간 Time	1400	2030	2400	2130	0030	1400	2200	0300	1530	0030	2400	0730	0030	2030	2100	960	15일															
기온 평균 Average	-0.1	0.5	0.4	0.5	0.3	0.0	0.2	0.4	-0.5	-1.3	-1.0	-0.5	-0.9	-0.1	-0.8	-0.6	-0.6															
평균 최고 평 균 최저	-2.5	-1.9	0.4	-0.8	-0.1	-4.0	-2.4	-0.8	1.1	0.9	-2.5	-1.9	-1.2	-0.4	0.6	-0.5	1.1															
온도 (℃)	2.5	1.4	2.0	1.5	1.7	0.8	1.2	1.3	1.1	2.8	0.9	1.1	0.0	2.0	0.7	2.8	2.8															
나타난 시간 Time	0030	0500	2030	0930	1030	0830	1600	0330	1130	1130	1830	0230	1000	1200	1500	0030	0.0															
Air Temp.	1230	2400	0030	0930	1400	0600	1030	2330	1130	1930	0030	1430	1100	1530	0800	0030	0030															
나타난 시간 Time	-1.2	-0.7	-0.6	-0.9	-0.3	-0.8	-0.9	-0.5	-2.0	-2.6	-2.6	-1.2	-2.6	-3.5	-6.2	-6.3	-6.3															
평균추위점온도(℃)	-6.2	-3.7	-0.1	-2.7	-2.1	-6.3	-3.9	-2.9	0.2	0.0	-3.7	-3.6	-2.4	-1.8	-0.2	-1.4	21일															
Average Despoint Temperature	1900	0030	0430	1600	0330	2200	0100	2300	2200	2100	0430	0800	2400	0130	2330	2400	2400															
	0030	0030	2330	2100	0100	1530	0030	0100	0030	0800	1130	0030	0130	0030	0200	2400	2400															
	-3.8	-3.6	-4.2	-3.7	-4.3	-4.9	-3.9	-4.0	-4.5	-7.3	-7.2	-5.1	-7.4	-5.3	-5.2	-5.7	-5.7															
	-8.2	-9.3	-3.5	-6.8	-5.1	-8.8	-8.5	-6.6	-3.7	-4.3	-6.1	-8.2	-6.8	-5.4	-3.5	-6.6	-6.6															

1989년 10월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month

강수량(mm)	0.3	0.0	4.2	0.3	-	-	4.8	2.3	0.4	-	0.4	0.0	-	0.3	0.6	17.2
Total Precipitation	0.0	0.1	0.3	-	0.1	0.0	-	0.0	-	-	1.5	-	0.0	-	1.6	-

상대 습도	96.	93.	91.	92.	93.	92.	94.	92.	93.	86.	86.	93.	84.	89.	92.	90.
평균	87.	77.	94.	85.	91.	92.	86.	88.	92.	89.	96.	84.	88.	92.	95.	88.
최소	90.	79.	85.	78.	87.	86.	87.	83.	84.	67.	73.	83.	76.	68.	85.	61.
도	76.	61.	86.	70.	79.	81.	79.	79.	86.	77.	92.	63.	73.	89.	85.	82.
나타난 시간 Time	0030	1800	0500	1830	2030	1730	0130	1600	0830	1130	1500	2200	0900	0900	0500	0500
R. H.	1300	1130	0030	1800	0100	2300	1400	0800	1230	0400	0030	2300	0030	0930	2330	1630

바람	8.4	13.1	12.0	11.7	11.9	12.3	12.5	12.7	5.5	5.5	5.8	11.6	9.0	8.7	12.9	10.9
평균 24 hour ave.	10.5	7.6	9.6	8.4	10.8	8.1	6.7	10.1	15.5	13.2	16.8	11.9	7.7	9.5	16.2	16.1
합성 풍향 Direction	N	N	N	N	NNW	NNW	NNW	NW	NW	WSW	NW	NW	W	N	NNW	NW
순간 최대 Gust	WSW	WNW	NW	W	NNW	ENE	WNW	NW	N	NE	SE	SE	NW	WNW	NW	WSW
(m/s) 풍향 Direction	14.4	26.6	28.1	27.6	28.1	22.9	23.5	26.0	14.2	16.1	28.0	24.9	23.4	28.0	32.5	36.0
Wind	20.1	24.6	19.2	14.8	24.7	22.5	14.4	20.6	28.8	32.5	35.9	36.0	12.7	17.6	31.6	30.0
나타난 시간 Time	N	N	NNE	NNE	NNE	WNW	NNE	WNW	NW	WSW	N	NNE	W	NW	NNE	SSE
	ESE	NNE	WNW	W	NNE	ESE	WSW	N	N	N	SSE	SSE	W	W	WNW	W
	0030	2030	2200	2100	1200	1730	0830	0400	0200	2300	1930	0230	0230	2200	1430	0030
	0100	2330	1530	1900	1400	1200	2130	2000	1500	0400	2400	0030	2200	1630	1830	0030

구름(1/8)	7.8	6.0	5.2	7.2	4.4	7.0	8.0	1.6	7.7	2.2	7.6	7.8	1.1	7.9	7.5	6.4
Average Amount of Cloud	2.6	6.6	8.0	5.8	8.0	7.2	6.5	8.0	8.0	6.6	8.0	7.1	8.0	5.7	8.0	6.4

폭풍설 시작 시간 Start Time	0530
Blizzard	2310
종료 시간 End Time	1740
계속 시간 Duration of Blizzard	1740

1989년 10월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month

수평면일사량(0.001MJ/㎡)	5688	6102	10961	7870	9156	7799	4259	12859	7892	13760	8268	6351	17208	7782	10556	315956
Hor. Global Solar Rad.	15756	12926	5390	14493	7787	12799	12381	13475	9975	11066	6209	10110	11863	15329	4419	15467

관측못함(NO DATA AVAILABLE)

눈	최	심	관측못함(NO DATA AVAILABLE)														
Max. Depth Snow Cover	Max. Depth Snow Cover	Max. Depth Snow Cover															
신적설 합 계 Total	-	0.0	-	0.0	-	-	1.0	0.0	0.0	2.0	-	2.0	0.0	-	0.0	5.0	44.0
Snow Fall	0.0	3.0	1.0	-	0.0	0.0	-	0.0	-	-	30.0	-	0.0	-	0.0	-	30.0
최 심 Max. Depth Fall																	26일
날 Date																	

기	상	현	상	관측못함(NO DATA AVAILABLE)														
Meteo. Phenomena	Meteo. Phenomena	Meteo. Phenomena	Meteo. Phenomena															
맑	맑	맑	맑															2
개	개	개	개															7
흐	흐	흐	흐															22
눈	눈	눈	눈															18
비	비	비	비															2
진 눈	진 눈	진 눈	진 눈															2
개	개	개	개															2
안	안	안	안															13
박	박	박	박															4
유	유	유	유															4
(Marian Cove/Maxwell Bay)	(Marian Cove/Maxwell Bay)	(Marian Cove/Maxwell Bay)	(Marian Cove/Maxwell Bay)	관측못함(NO DATA AVAILABLE)														

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 10월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8
2		26.6	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9
3		11.8	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	19.7	19.2
4		26.2	27.6	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	13.4	18.2
5		26.7	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	18.5	19.3
6		21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	17.0	15.7
7		20.9	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	10.5	19.7
8		21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	21.9	24.0
9		10.4	0.0	0.0	0.0	0.0	8.1	9.0	8.1	6.5	8.1	5.8	7.6	3.7	0.0	14.2	12.4
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	16.1	11.3	0.0	3.5	0.0
11		28.0	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	12.9	7.4	10.1	10.5
12		19.5	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	18.5	17.4	14.3
13		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	23.4	18.1	0.0	0.0
14		24.5	21.1	15.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	28.0	7.8
15		23.7	32.5	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	21.7	13.4
16		0.0	0.0	0.0	0.0	0.0	20.1	19.0	17.7	10.6	8.8	18.5	19.2	11.9	12.3	5.4	0.0
17		16.0	24.6	20.7	10.3	4.2	0.0	0.0	0.0	0.0	0.0	16.5	14.6	10.5	7.0	4.7	4.0
18		18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	17.2	14.6
19		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	14.8	13.7	12.5	0.0
20		20.4	24.7	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	15.3	18.3	19.2
21		5.3	0.0	7.8	0.0	18.9	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	9.0	5.1
22		9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	14.4	13.4	7.9	3.7	7.8
23		20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	13.7	16.0
24		28.8	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25		32.5	32.2	14.3	10.7	10.3	13.7	7.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26		0.0	0.0	0.0	0.0	10.9	29.9	30.4	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27		0.0	0.0	0.0	12.8	11.9	11.7	18.9	36.0	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28		12.1	0.0	9.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	12.3	11.2	12.2
29		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	17.3	16.0	14.2
30		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8	31.6	25.8	20.1
31		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.9	30.0	0.0	0.0	0.0
월	Month	32.5	32.5	20.7	12.8	18.9	29.9	30.4	36.0	20.4	8.8	18.5	28.9	30.0	31.6	28.0	24.0

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1989년 10월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		875	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	0
2		896	63	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0
3		167	354	0	0	0	0	0	0	0	0	0	0	0	42	229	208	0
4		229	417	83	0	0	0	0	0	0	0	0	0	0	104	63	104	0
5		292	21	0	0	0	0	0	0	0	0	0	0	0	21	375	292	0
6		333	0	0	0	0	0	0	0	0	0	0	0	0	354	63	250	0
7		417	83	0	0	0	0	0	0	0	0	0	0	0	83	42	375	0
8		42	0	0	0	0	0	0	0	0	0	0	0	0	146	708	104	0
9		229	0	0	0	0	104	42	63	42	104	42	42	21	0	104	208	0
10		0	0	0	0	0	0	0	0	0	0	83	417	458	0	42	0	0
11		208	271	0	0	0	0	0	0	0	0	0	292	104	21	63	42	0
12		104	104	0	0	0	0	0	0	0	0	0	188	292	208	104	0	0
13		0	0	0	0	0	0	0	0	0	0	0	167	708	125	0	0	0
14		188	333	104	104	0	0	0	0	0	0	0	0	21	0	146	104	0
15		292	146	0	0	0	83	0	0	0	0	0	0	0	208	125	146	0
16		125	146	42	42	21	42	21	42	42	21	83	667	42	21	21	0	0
17		63	0	0	0	0	0	0	0	0	0	0	104	417	313	167	0	0
18		0	0	0	0	0	0	0	0	0	0	0	0	42	146	250	83	0
19		167	229	83	0	0	250	0	0	0	0	0	83	479	21	146	83	0
20		42	0	21	0	438	0	0	0	0	0	63	83	271	125	125	229	0
21		167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		646	354	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		271	354	104	63	42	125	21	146	0	0	0	0	0	0	0	0	0
25		0	0	0	104	63	104	271	438	21	0	0	0	0	0	0	0	0
26		64	0	43	21	0	0	0	0	0	0	0	0	149	128	191	404	0
27		0	0	0	0	0	0	0	0	0	0	0	0	417	438	104	42	0
28		0	0	0	0	0	0	0	0	0	0	0	0	208	271	354	167	0
29		0	0	0	0	0	0	0	0	0	0	0	0	354	0	0	0	0
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
월	Month	196	93	15	11	19	42	20	23	3	4	13	87	127	106	130	112	0

89251 남극 세종과학기지(King Sejong Station)

1989년 11월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
기압 평균 Ave. Station	970	953	970	973	1002	998	996	1003	1004	996	991	987	977	974	977	983
최고 Highest	980	972	970	969	968	971	978	981	985	991	1003	997	992	987	985	
압	981	963	973	993	1006	1004	1000	1005	1005	1003	993	993	979	976	979	1006
나타난 시간 Time	981	976	973	973	971	975	981	987	987	998	1005	1004	994	990	990	5일
(hPa)	0030	2400	1100	2330	2000	0030	2200	1900	0030	0030	1800	0030	1630	0030	1900	
최저 Lowest	1100	0030	2130	0030	2130	2330	1200	1730	0030	2300	1930	0030	0030	1630	2330	
Air	951	946	962	962	993	993	993	1000	1002	990	989	977	975	971	975	946
Press.	976	969	967	966	965	968	975	974	981	985	998	992	986	983	982	2일
나타난 시간 Time	2400	0400	0030	0600	0030	2400	0030	0030	1230	2100	0030	2330	0200	0900	0030	
	2330	2300	1000	1500	0930	2400	0030	0100	1300	0030	0030	1930	2400	0200	0630	
기온 평균 Average	0.0	0.0	-0.2	-3.8	-1.8	0.7	0.5	0.0	0.0	-1.0	0.3	0.7	1.2	2.0	0.2	0.2
평균최고 Ave. Maximum	-0.8	0.7	0.0	-0.1	0.0	0.0	0.1	0.7	0.0	-0.7	-0.6	1.4	3.0	2.5	2.4	
평균최저 Ave. Minimum																
온	1.1	1.5	1.3	0.7	1.0	2.3	4.2	1.7	1.6	2.9	4.8	5.1	3.6	3.4	2.2	5.6
(℃)	0.4	1.9	1.5	1.2	1.2	4.3	1.6	4.5	3.5	4.1	0.9	3.5	5.6	5.3	4.3	28일
나타난 시간 Time	1900	1530	1300	0600	1000	0930	0100	1130	1000	1430	1630	2000	0100	2000	0900	
Air	2300	0500	0730	1330	1530	1300	1200	1600	0830	1400	1100	1030	2200	0100	0330	
최저 Lowest	-1.5	-3.3	-2.8	-7.4	-6.9	-1.5	-1.0	-2.0	-2.5	-2.6	-1.0	-1.9	0.1	0.3	-1.3	-7.4
Temp.	-1.9	-0.2	-1.4	-1.4	-0.8	-2.3	-2.4	-0.5	-2.8	-3.0	-3.1	-0.7	1.0	1.4	0.5	4일
나타난 시간 Time	0030	2200	0030	1200	0100	0130	2300	2300	2300	0030	0530	0500	0730	2400	2300	
	0700	1830	2230	0200	0430	2300	0100	0630	2400	0200	0300	0330	0230	0430	2030	
평균습점온도(℃)	-4.4	-3.8	-5.4	-7.8	-7.5	-3.7	-3.5	-4.3	-4.8	-4.4	-4.1	-3.8	-2.7	-2.5	-3.6	-4.4
Average Dewpoint Temperature	-6.9	-3.7	-4.5	-5.7	-4.8	-4.9	-5.4	-4.8	-4.4	-7.3	-6.5	-3.0	-0.8	-1.6	-1.9	

1989년 11월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	1.4	2.2	2.0	2.5	-	3.3	-	-	-	1.3	-	-	2.4	-	0.9	25.3	
Total Precipitation	-	0.7	1.2	-	-	0.0	-	-	2.3	-	-	2.5	1.9	0.7	-	-	
상대 습도	93.	95.	89.	95.	88.	93.	95.	93.	96.	94.	92.	93.	95.	92.	94.	92.	
최소	87.	92.	92.	89.	92.	91.	88.	89.	92.	80.	87.	93.	94.	93.	93.	93.	
도	83.	91.	73.	86.	77.	90.	89.	89.	91.	82.	75.	90.	79.	84.	90.	61.	
(1%) 나타난 시간	81.	83.	81.	80.	85.	75.	64.	74.	77.	61.	78.	79.	90.	84.	85.	25일	
R.H.	0100	1430	0600	2130	1100	0930	0100	1230	1230	0830	1630	1730	2300	2000	2400		
	1430	0200	2300	0200	2400	1300	1800	1630	0800	1400	1100	0530	2400	2300	0200		
바	8.9	10.4	9.4	9.6	6.4	9.9	4.7	5.8	2.0	2.6	3.9	9.8	8.0	7.1	2.7	6.4	
합성 풍향	5.6	5.6	7.3	4.9	6.3	3.2	5.3	7.9	5.6	4.2	4.6	7.8	4.8	8.4	9.3		
Direction	NNW	NNW	NW	E	NNW	N	NNW	NW	W	S	NNW	NNW	NNW	N	WSW	NW	
순간 최대	16.6	21.2	17.2	25.4	14.5	18.4	14.6	14.5	7.4	9.2	9.6	21.5	15.0	16.2	8.4	25.6	
Gust	16.7	15.1	17.1	9.2	10.5	10.0	14.6	17.8	14.4	14.5	9.4	19.8	21.3	25.6	22.2	29일	
(m/s) 풍향	N	NW	NNE	ESE	NNW	N	NW	NW	NNW	SE	NNW	N	N	NNE	NNW	NNE	
Direction	NNE	NNE	SE	NNW	NNW	SE	NE	WSW	ESE	E	NW	NNE	N	NNE	NE	NE	
Wind	1000	0630	1900	1000	2200	0930	2330	0100	0030	1000	1000	1630	2200	0400	2400		
나타난 시간	2400	0030	1700	0730	1000	1630	2330	1000	1700	0800	2000	0900	2200	0100	0630		
구름(1/8)	8.0	8.0	7.2	7.6	6.5	8.0	7.3	5.5	8.0	7.9	5.1	7.0	8.0	6.3	7.8	6.9	
Average Amount of Cloud	7.6	8.0	7.7	4.0	5.9	5.3	5.1	1.9	7.9	7.5	6.2	8.0	8.0	7.8	7.3		
폭풍설 시작 시간	0800																
Start Time	1300																
Blizzard	0500																
End Time	0500																
계속 시간	0500																
Duration of Blizzard	0500																

1989년 11월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
수평면일사량(0.001MJ/㎡)	7335	10201	17091	7916	17767	10350	8429	18884	14351	5646	18063	17326	7523	16589	10080	417065	
Hor. Global Solar Rad.	10966	11416	8545	19849	18438	17020	23269	26048	11538	18580	18501	9515	10287	12339	13203		

관측못함(NO DATA AVAILABLE)

눈 Snow (cm)	적 설 최 심 Max. Depth Snow Cover																			
	신적설 합	최 심 나타난 날	계 Total	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	1.0	8.0	10.0	0.0	-	0.0	-	-	0.0	-	-	-	0.0	-	-	0.0	-	0.0	26.5	
	-	1.0	0.0	-	-	0.0	-	-	1.0	-	-	-	-	-	-	-	-	-	10.0	
기상 현상	맑음 Clear	개 일 Partly Cloudy	흐 림 Cloudy	눈 Snow	비 Rain	진 눈 깨 비 Sleet	안 개 Fog	박 무 Mist	유 빙 Drift Ice (Marian Cove/Maxwell Bay)											1
																				6
																				23
																				11
																				6
																				1
																				10
																				1

관측못함(NO DATA AVAILABLE)

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 11월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북북서 NNW		
1	16.6	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	16.2	14.4	15.1	10.9	
2	16.2	14.8	0.0	0.0	0.0	0.0	5.3	11.0	15.9	16.1	0.0	0.0	9.9	19.9	21.2	18.0
3	17.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	12.8	12.9	15.3	14.1	
4	18.3	0.0	0.0	18.3	9.2	25.4	19.2	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	9.1	0.0	5.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	14.5	
6	18.4	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	11.8	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	7.5	3.6	4.8	3.8	3.7	14.6	11.5	
8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	9.2	14.5	8.4	
9	4.1	0.0	0.0	0.0	4.7	2.3	4.5	5.6	3.9	2.8	0.0	4.3	5.5	5.4	7.4	
10	6.9	3.4	0.0	5.2	3.1	0.0	9.2	5.6	8.4	7.5	0.0	7.8	6.7	0.0	6.5	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	5.7	6.6	9.3	9.6	7.9	6.3	
12	21.5	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	11.7	
13	15.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	7.0
14	13.2	16.2	14.9	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	3.1	7.0
15	1.9	0.0	0.0	3.0	2.0	0.0	0.0	7.0	6.7	7.3	5.0	8.0	8.4	2.1	1.7	1.7
16	13.9	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	8.6	4.8	6.7	6.7
17	10.6	15.1	7.2	7.2	5.6	0.0	0.0	3.7	0.0	7.6	0.0	0.0	0.0	0.0	8.7	10.6
18	9.6	8.2	7.6	10.6	13.4	14.9	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	6.8	0.0	0.0	5.8	0.0	4.6	0.0	1.5	0.0	5.0	0.0	0.0	0.0	9.2	8.5	8.6
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	10.2	0.0
21	4.6	0.0	2.9	3.3	2.2	0.0	10.0	8.2	7.0	3.3	6.6	0.0	0.0	2.0	7.9	6.0
22	12.3	12.7	14.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	8.8	7.4	8.2	8.2
23	12.9	17.1	15.2	0.0	0.0	0.0	0.0	7.2	8.9	15.0	17.8	17.8	0.0	15.5	7.9	7.9
24	4.1	2.6	6.6	6.8	8.4	14.4	13.9	0.0	0.0	0.0	0.0	0.0	5.5	8.0	6.4	6.4
25	0.0	0.0	0.0	2.9	14.5	13.0	11.9	2.9	3.1	3.1	2.0	1.9	0.0	0.0	2.0	0.0
26	0.0	2.9	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	9.0	9.4	8.9	8.9
27	14.9	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	11.1	11.1
28	21.3	20.0	0.0	0.0	0.0	10.1	0.0	4.3	5.1	4.3	3.7	0.0	0.0	8.2	8.5	8.5
29	16.3	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	10.3	10.3
30	18.4	20.6	22.2	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	13.3	12.1	8.9	8.9
월 Month	21.5	25.6	22.2	18.3	14.5	25.4	19.2	11.0	15.9	16.1	15.0	17.8	17.8	19.9	21.2	18.0

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1989년 11월

요소 일 Date	Element N	북 NNE	북북동 NE	북동 ENE	동 E	동남동 ESE	남동 SSE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	CLM
1	667	21	0	0	0	0	0	0	0	0	0	21	63	104	63	63	0
2	298	43	0	0	0	21	128	64	21	0	0	0	21	64	234	106	0
3	292	63	0	0	0	0	0	0	0	0	0	21	167	125	146	188	0
4	271	0	0	42	83	375	104	125	0	0	0	0	0	0	0	0	0
5	167	0	21	146	0	0	0	0	0	0	0	0	0	0	375	292	0
6	563	42	0	0	0	0	0	0	0	0	0	0	0	0	21	375	0
7	0	0	0	0	0	0	0	83	83	21	167	63	21	229	458	271	0
8	21	0	0	0	0	0	0	0	0	0	0	0	21	104	146	125	83
9	63	0	0	0	21	63	104	104	63	83	0	21	42	0	83	0	21
10	21	21	0	21	21	0	146	229	146	0	21	42	21	229	208	146	42
11	0	0	0	0	0	0	0	0	0	0	0	0	21	125	250	125	0
12	396	83	0	0	0	0	0	0	0	0	0	0	0	0	63	500	0
13	375	63	0	0	0	0	0	0	0	0	0	0	0	0	21	42	0
14	563	208	104	0	0	0	0	0	63	0	0	0	0	0	21	42	0
15	21	0	0	21	21	0	0	125	188	83	42	125	63	42	104	167	0
16	104	125	0	0	0	0	0	0	0	0	0	188	500	42	42	0	0
17	458	125	42	21	21	0	0	0	21	0	0	0	0	0	63	167	63
18	104	42	21	63	250	500	21	0	0	0	0	0	0	0	0	0	0
19	21	0	0	21	0	42	0	21	0	21	0	0	0	250	229	396	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	521	479	0	0
21	63	0	42	42	21	0	83	104	146	42	21	0	0	21	271	146	0
22	125	63	167	21	0	0	0	0	0	0	0	0	42	229	167	188	0
23	83	83	42	0	0	0	0	21	42	42	104	271	0	167	125	21	0
24	42	21	104	104	63	354	83	0	0	0	0	0	0	21	63	146	0
25	0	0	0	83	63	438	63	21	104	146	21	21	0	21	0	21	0
26	0	21	0	191	0	0	0	0	0	0	0	191	298	234	64	0	0
27	208	188	0	0	0	0	0	0	0	0	0	0	0	125	479	0	0
28	208	146	0	0	0	42	0	83	63	167	42	0	0	63	188	0	0
29	340	213	0	0	0	0	0	0	0	0	0	0	0	149	298	0	0
30	229	292	104	21	0	0	0	0	0	0	0	21	83	83	167	0	0
월 Month	190	62	22	26	19	58	21	25	32	31	16	15	49	102	150	168	14

89251 남극 세종과학기지(King Sejong Station)

1989년 12월

요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month
기압 평균 Ave. Station	995	995	992	990	993	1000	1003	995	992	992	980	985	991	997	998		991
최고 Highest	991	989	987	974	968	982	988	986	988	985	994	997	995	995	996		993
압 (hPa)	998	998	992	992	997	1003	1004	1001	995	996	985	989	993	1000	1000		1004
나타난 시간 Time	994	989	989	983	978	986	990	987	989	988	997	997	996	996	997		995
최저 Lowest	2130	0030	0030	0030	2300	2100	0330	0030	2100	0430	0030	2100	2230	2100	0030		0030
Air Press.	0030	0030	0030	0030	2300	2300	1130	0030	2230	0030	1600	0030	0030	1730	0930		0030
나타난 시간 Time	990	992	991	988	988	997	1001	991	990	985	977	980	989	993	994		962
기온 평균 Average	989	987	982	965	962	978	986	985	987	983	988	995	993	994	994		992
최고 Ave. Maximum	0030	2030	0630	1630	0030	0030	2330	2000	0500	2230	1400	0030	0030	0030	2400		20일
최저 Ave. Minimum	1900	1700	2330	2230	0230	0030	0030	0230	0030	1330	0030	1600	1600	0030	2400		0930
기온 평균 Average	1.5	2.9	-0.4	-0.1	0.3	0.6	1.2	1.1	0.2	-0.8	-2.0	-1.0	0.5	0.6	0.6		1.4
평균최고 고 Ave. Maximum	0.3	0.8	1.4	3.2	1.2	0.9	2.5	2.2	3.3	1.6	2.1	2.4	2.9	4.0	4.0		4.2
평균최저 저 Ave. Minimum																	3.2
온도																	-0.1
최고 Highest	2.5	5.1	1.1	0.6	1.9	2.0	2.0	3.7	1.1	0.5	-1.4	0.0	2.6	2.0	3.2		6.6
(℃)	1.9	4.2	2.8	5.6	2.6	2.0	6.2	3.7	6.6	4.0	5.4	4.0	5.4	5.4	6.2		31일
나타난 시간 Time	1230	0730	0030	1500	1330	1530	1100	0930	1230	1400	1500	1500	0900	1330	1300		1300
최저 Lowest	1330	1530	1300	1630	0630	1300	1430	1300	1200	0500	1530	1630	1330	1530	2330		1300
Air Temp.	0.9	0.9	-2.3	-1.9	-0.9	-1.2	0.1	0.2	-0.9	-1.7	-2.7	-1.9	-1.5	-0.7	-1.0		-2.7
나타난 시간 Time	-0.4	-0.5	-0.5	1.4	0.4	0.0	0.1	1.0	1.3	-0.1	-0.1	1.2	1.5	2.7	2.0		2.9
11일	1500	0030	2400	0030	0300	0430	0030	1900	2230	2400	0500	0030	0030	2300	0330		0330
2400	2000	0100	0130	0100	2200	1900	0330	0330	0030	2200	0100	0230	0600	0400	2130		2400
평균추위점온도(℃)	-2.3	-1.6	-5.6	-5.0	-5.7	-4.3	-4.6	-5.0	-5.1	-6.8	-5.2	-4.0	-4.0	-5.3	-6.4		-3.6
Average Depoint Temperature	-5.7	-5.7	-3.8	-1.3	-3.1	-5.4	-3.6	-2.4	-0.4	-2.5	-2.6	-1.7	-1.4	-0.7	-0.4		-0.8

요소 Element	일 Date												월 Month				
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	30
강수량(mm)	0.5	0.6	-	0.4	0.2	1.0	0.0	0.0	0.0	1.2	6.1	0.7	-	-	-	-	13.9
Total Precipitation	-	-	0.2	0.3	0.4	0.0	-	1.0	-	0.9	-	0.1	0.0	-	0.2	0.1	
상대 습도	95.	92.	91.	92.	85.	90.	88.	85.	90.	87.	97.	96.	91.	87.	78.	90.	
최소	85.	83.	90.	91.	92.	84.	84.	91.	93.	93.	91.	93.	92.	91.	93.	90.	
최대	92.	81.	83.	90.	75.	87.	79.	70.	84.	78.	97.	93.	81.	78.	64.	64.	
도	77.	71.	78.	81.	77.	70.	66.	85.	75.	90.	81.	90.	83.	89.	75.	82.	15일
(1%) 나타난 시간 Time	1400	0730	2000	0330	1500	0100	2300	0930	2100	0900	0600	2230	1030	1300	1300	1300	
R.H.	0930	1530	0300	1630	2400	1600	1500	0030	1430	0500	1530	1600	1530	1600	2330	0200	
평 균 24 hour ave.	6.0	3.6	6.6	5.3	6.0	3.3	7.4	9.1	9.4	11.5	15.8	8.5	5.6	7.1	2.5	6.2	
바	2.7	3.4	6.8	8.3	6.9	8.8	3.2	6.2	1.6	7.3	3.5	1.6	2.3	5.2	7.9	8.1	
합성 풍 향 Direction	NNW	N	E	NW	E	WSW	NNW	ENE	ESE	ESE	SE	ESE	WNW	W	NNW	NNW	
람	SE	SSW	NW	NNE	SW	WNW	NNW	E	NNW	ESE	SSE	SW	WNW	NNW	N	N	
순 간 최대 Greatest Gust	10.3	11.1	18.0	12.3	14.6	10.0	20.4	22.5	21.6	24.9	28.9	20.6	13.1	12.4	7.4	28.9	
(m/s)	7.2	10.3	16.8	18.6	16.5	15.5	9.2	18.5	7.0	18.3	10.0	5.8	8.0	10.2	15.6	15.5	11일
풍 향 Direction	NW	NNE	E	NW	ESE	SW	N	N	E	ESE	SE	SE	W	W	WNW	SE	
Wind	ESE	SW	N	N	SW	W	NE	E	SE	E	ESE	S	N	N	N	N	
나타난 시간 Time	0200	1530	0900	0900	1200	1200	2400	0130	1230	1900	1730	0030	2400	1500	0130	0600	
	1030	2130	2400	0930	1700	0130	2230	0230	2200	1330	0300	0830	2300	2400	1630	0600	
구름(1/8)	7.2	7.1	3.4	8.0	2.3	7.5	7.7	7.6	7.6	7.7	8.0	8.0	5.8	5.1	8.0	6.8	
Average Amount of Cloud	7.6	7.6	7.5	6.2	7.1	5.4	3.0	7.9	7.2	8.0	6.7	8.0	8.0	5.9	5.8	7.8	
폭풍설 시작 시간 Start Time	0420																
Bliz-zard	2230																
끝 난 시간 End Time	1810																
계 속 시간 Duration of Blizzard	1810																

1989년 12월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
수평면일사량(0.001MJ/㎡)	16261	16064	19798	8299	31005	10837	12959	18031	9670	10320	4610	13195	19701	18428	14362	489832	
Hor. Global Solar Rad.	15282	12587	19155	23276	11248	23235	29761	10867	18441	5408	16410	15948	9625	20423	17087	17539	
관측못함(NO DATA AVAILABLE)																	
눈	Max. Depth Snow Cover																
Snow	합 계 Total																
(cm)	최 심 Max. Depth																
	날 Date																
맑	울 Clear																
개	임 Partly Cloudy																
흐	림 Cloudy																
눈	눈 Snow																
비	비 Rain																
상	진 눈 개 비 Sleet																
Meteo. Phenom ena	안 개 Fog																
	박 무 Mist																
유	빙 Drift Ice																
	(Marian Cove/Maxwell Bay)																

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1989년 12월

요소 Element	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북북서 NNW	
1	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	9.4
2	9.6	11.1	0.0	0.0	4.7	4.2	7.3	5.0	0.0	0.0	3.7	4.3	4.7	4.0	0.0	7.3
3	0.0	0.0	3.5	3.3	18.0	14.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	4.1	4.1	3.0	0.0	3.2	0.0	1.2	0.0	7.5	10.6	12.3	5.7
5	0.0	0.0	4.8	4.5	13.5	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	3.0	0.0	2.7	2.8	3.0	0.0	0.0	0.0	0.0	8.4	10.0	4.2	4.6	6.2	0.0	2.0
7	20.4	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.2	8.0
8	22.5	17.6	10.8	15.8	14.5	13.6	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	7.1	0.0	10.3	0.0	21.6	18.0	0.0	11.6	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	14.6	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	27.0	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	10.1	17.1	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	3.8	3.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	7.7	13.1	11.2	8.3	3.7
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	12.4	9.6	0.0	0.0
15	4.0	5.4	6.2	3.5	2.4	3.6	0.0	0.0	0.0	0.0	0.0	6.2	4.4	7.4	5.0	4.5
16	1.7	0.0	1.6	6.0	5.7	7.2	5.5	5.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	4.8	4.5	5.3	5.0	3.2	9.9	10.3	10.1	0.0	2.1	1.5	0.0
18	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	7.5	7.0	7.2	7.5	15.1
19	18.6	16.8	8.9	7.4	11.5	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	12.5	14.4	14.3	0.0	1.8	11.1	12.6	16.5	11.5	15.0	8.4	8.3	8.3
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	14.9	10.6	9.2
22	7.0	0.0	9.2	7.6	8.0	6.9	5.0	0.0	0.0	5.5	0.0	0.0	6.9	6.8	6.4	5.8
23	0.0	0.0	0.0	14.0	18.5	15.4	13.1	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
24	6.3	3.3	6.0	6.4	5.7	3.3	7.0	5.2	5.1	4.1	2.7	4.2	0.0	3.6	3.8	4.7
25	0.0	0.0	11.2	10.7	18.3	16.4	12.7	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	7.2	7.5	9.2	10.0	0.0	1.9	5.9	5.8	0.0	0.0	0.0	0.0	0.0	7.7
27	3.0	0.0	4.4	3.6	0.0	0.0	0.0	5.3	5.8	4.6	3.0	2.1	1.6	2.0	1.7	2.9
28	8.0	2.0	3.0	0.0	3.2	0.0	4.9	0.0	5.8	5.3	2.3	0.0	3.6	4.7	6.2	6.5
29	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
30	15.6	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5
31	15.5	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	12.6
월 Month	22.5	17.6	11.2	15.8	21.6	27.0	28.9	13.7	11.1	12.6	16.5	12.2	15.5	14.9	12.3	15.1

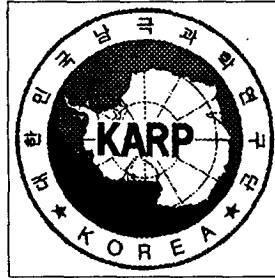
풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1989년 12월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	경은 CLM
1	63	0	0	0	0	0	0	0	0	0	0	0	0	0	271	667	0
2	250	125	0	0	42	42	125	42	0	0	21	63	21	42	0	229	0
3	0	0	21	42	417	500	21	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	42	42	42	0	21	0	21	0	104	208	479	83	0
5	0	0	21	83	396	500	0	0	0	0	0	0	0	0	0	0	0
6	21	0	21	167	21	0	0	0	0	21	375	63	63	167	0	21	63
7	542	42	0	0	0	0	0	0	0	0	0	0	0	0	63	83	0
8	83	271	83	188	146	167	63	0	42	0	0	0	0	0	0	0	0
9	21	0	21	0	292	583	0	42	42	0	0	0	0	0	0	0	0
10	0	0	0	0	63	938	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	375	625	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	83	479	438	0	0	0	0	0	0	0	0	0	0
13	42	21	0	0	63	0	0	0	0	0	21	458	250	125	21	0	0
14	0	0	0	0	0	0	0	0	0	0	271	708	21	0	0	0	0
15	83	42	42	63	42	63	0	0	0	0	63	83	188	104	229	0	0
16	21	0	21	83	63	250	21	125	354	0	0	0	0	0	0	63	0
17	0	0	0	0	83	21	104	125	42	188	208	63	0	42	21	0	104
18	271	0	0	0	0	0	0	0	0	0	83	83	63	63	146	333	0
19	396	250	21	63	229	42	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	21	83	104	0	21	42	146	104	63	292	21	63	42	0
21	0	0	0	0	0	0	0	0	0	0	0	0	271	521	167	42	0
22	104	0	104	104	42	63	21	0	0	21	0	0	21	188	250	83	0
23	0	0	313	479	125	21	0	0	0	21	0	0	0	0	0	42	0
24	43	64	21	64	64	21	64	21	64	64	43	43	0	64	149	106	106
25	0	0	83	104	250	354	42	167	0	0	0	0	0	0	0	0	0
26	0	0	63	83	104	42	0	21	208	292	0	0	0	0	0	188	0
27	63	0	83	83	0	0	0	63	83	167	125	63	21	63	21	83	83
28	125	21	21	0	42	0	42	0	63	208	42	0	63	63	104	104	104
29	479	0	0	0	0	0	0	0	0	0	0	0	0	21	500	0	0
30	750	63	0	0	0	0	0	0	0	0	0	0	0	0	188	0	0
31	667	103	0	0	0	0	0	0	0	0	0	0	0	0	26	205	0
월 Month	127	32	20	47	97	153	53	20	30	36	32	26	71	70	65	103	18

남극 세종기지 기상년보

ANNUAL WEATHER REPORT ANTARCTIC KING SEJONG STATION



1990

한국해양연구소 극지연구센터
POLAR RESEARCH CENTER, KORDI

89251 남극 세종과학기지(King Sejong Station)

1990년 1월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	993	985	980	989	993	992	996	997	984	971	979	989	997	995	989	989	
최고 Highest	980	992	997	998	997	993	988	992	990	986	991	994	991	985	984	981	
압 (hPa)	994	991	983	993	994	996	997	998	995	974	983	994	999	998	992	999	
나타난 시간 Time	986	997	998	999	999	997	991	993	992	989	994	995	994	987	985	985	
최저 Lowest	1600	0030	2400	2300	1700	2200	0730	0130	0030	2130	2200	2130	1900	0030	0030	20일	
Air Press.	2400	2130	0400	1700	0030	0030	1900	1930	0030	2300	2230	0730	0030	0030	0600	2330	
나타난 시간 Time	991	982	977	983	992	990	995	995	971	968	974	983	994	992	982	968	
기온 평균 Average	973	985	995	996	995	986	985	991	986	984	989	993	987	984	983	979	
평균최고 Ave. Maximum	2400	1500	1330	0030	0030	0600	1230	2130	2330	0830	0030	0030	0030	1430	2330	10일	
평균최저 Ave. Minimum	1030	0030	1700	0030	1000	2400	0200	0030	2100	0330	0030	0100	2330	1130	0030	1130	
온도	1.7	3.5	3.7	2.2	1.8	2.9	1.8	2.6	4.8	3.3	0.1	-0.3	1.0	1.7	2.8	2.3	
(°C)	0.2	3.1	4.1	4.8	4.2	4.3	4.0	2.8	2.8	3.5	3.4	1.1	0.2	2.0	2.0	2.0	
최고 Highest	3.4	5.4	5.8	5.2	3.5	6.1	2.9	4.4	7.4	5.6	0.9	0.0	3.3	3.3	5.5	8.6	
나타난 시간 Time	0.9	7.6	8.6	6.9	6.6	5.7	6.7	3.4	4.5	5.8	7.1	3.5	1.5	3.4	3.4	4.3	
최저 Lowest	1400	0830	1630	1230	1700	1330	1800	1330	1030	0130	0030	0030	1430	1400	1400	18일	
Air Temp.	0030	1230	1500	1630	1500	0630	1230	0030	0930	1430	1330	1030	1400	1230	1500	1230	
나타난 시간 Time	0.8	1.2	0.2	0.1	0.6	0.9	0.6	1.4	2.6	0.8	-0.4	-1.2	-0.9	-0.2	0.7	-1.2	
평균습점온도(Ave. Dewpoint Temperature)	-0.4	0.0	0.2	2.9	2.3	3.1	2.7	2.1	1.4	1.1	1.5	-0.8	-1.1	1.1	1.3	0.2	
	1930	0030	2400	0100	0700	2130	0230	0030	0130	2330	2300	1330	2230	0030	2230	12일	
	-3.1	-0.4	-0.3	-2.6	-3.6	-2.8	-4.0	-2.1	0.4	-0.4	-3.7	-4.7	-5.2	-5.0	-2.4	-2.4	
	-3.5	-3.5	-2.4	0.2	0.0	-0.4	-1.0	-2.6	-3.0	-1.2	-0.7	-3.2	-4.0	-3.1	-3.0	-2.3	

1990년 1월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month

강수량(mm)	-	3.8	3.5	1.2	-	-	-	-	0.0	0.3	0.2	-	-	-	-	28.3
Total Precipitation	2.0	-	2.0	0.0	0.0	-	-	-	0.0	0.1	1.2	1.2	5.8	-	-	7.0

상 평	93.	93.	93.	90.	89.	86.	88.	92.	93.	94.	95.	94.	85.	84.	92.	91.
대	96.	82.	81.	91.	94.	92.	91.	90.	88.	91.	93.	94.	95.	91.	91.	94.
습	80.	89.	80.	76.	46.	66.	73.	87.	80.	88.	93.	92.	71.	70.	84.	63.
도	94.	63.	63.	84.	90.	87.	81.	81.	77.	87.	89.	88.	92.	83.	84.	91.
(1%)	2030	0430	2030	1300	0830	2030	0830	1000	1030	0130	2400	0800	1200	0630	1430	189일
R.H.	0600	1230	1100	1600	1030	1900	1230	2230	1000	1600	1400	1030	2200	0300	1500	2130

평	6.4	6.3	8.8	4.7	4.1	3.9	4.9	5.0	10.1	4.7	12.0	12.4	4.8	6.0	9.5	6.3
군 24 hour ave.	15.5	3.7	4.1	*	2.2	3.0	8.4	4.9	8.8	5.4	1.2	8.5	5.9	5.4	4.1	4.1

합성 풍	SE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	ENE	E	E
향 Direction	WNW	N	NE	SE	W	ESE	WSW	NW	N	ENE	SE	SE	E	ENE	E	E
람	11.7	13.9	17.9	16.2	9.6	9.9	15.1	10.3	23.4	14.3	24.8	24.6	12.7	16.1	22.2	32.0
순 간 최대 Greatest Gust	32.0	17.0	5.4	*	8.0	11.2	19.7	13.3	21.9	16.5	5.8	15.6	15.6	10.4	11.1	16일

(m/s)	NW	NNW	N	ESE	W	E	SW	NW	N	SE	SE	SE	SE	E	E	SSE
풍	SSE	SSE	E	*	ESE	ESE	N	ENE	E	ESE	S	ESE	ESE	W	WSW	ESE
향 Direction	1900	1230	1100	0300	1630	1530	1830	2230	1100	2400	2130	0300	0030	2400	1830	1830
순 간 최대 Greatest Gust	1930	0200	0300	*	2330	2400	0130	2330	1900	0300	0300	1900	0130	0130	0430	1800

구름(1/8)	7.1	8.0	8.0	7.5	6.8	5.0	7.5	7.9	7.6	7.4	8.0	7.5	2.3	6.5	6.8	6.9
Average Amount of Cloud	8.0	0.6	6.5	8.0	7.4	7.5	6.3	8.0	3.6	6.3	6.7	8.0	8.0	6.9	7.9	8.0

폭풍설 시작 시간 Start Time	1300
Blizzard	1600
계속 시간 Duration of Blizzard	0300

0300

1990년 1월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31	월 Month		
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	5221	10055	12000	16643	13270	22730	9469	17536	11462	9333	6603	10912	24852	12774	9758	9288	7242	372532	
관측못함(NO DATA AVAILABLE)																			
눈 Max. Depth Snow Cover																			
신적설 합 계 Total	-	-	-	0.0	-	-	-	-	-	-	3.0	-	-	-	-	-	-	9.0	
Snow Fall 최 심 날 Date	3.0	-	-	-	-	-	-	-	-	-	-	3.0	-	-	-	-	-	3.0	
기상 현상	맑음 Clear	V				V			V	V	V	V	V	V	V	V	V	V	1
	개임 Partly Cloudy				V			V	V	V	V	V	V	V	V	V	V	V	3
	흐림 Cloudy	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	27
	눈 Snow	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	4
	비 Rain	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	11
	긴눈깨비 Sleet				V					V									2
Meteo. Phenomena	안개 Fog							V											1
	박무 Mist	V			V														3
	유빙 Drift Ice (Marian Cove/Maxwell Bay)					MC		MB	MC	MC/MB	MB			MC				MB	V

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 1월

일 Date	요소 Element	N	NNE	NE	ENE	E	ESE	동남동 ESE	동남동 SE	남남동 SSE	남남동 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	
1		6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	11.7	9.5
2		12.2	9.8	0.0	6.8	7.8	4.7	0.0	5.7	4.4	4.1	2.9	0.0	0.0	0.0	0.0	0.0	0.0	13.9
3		17.9	13.8	12.2	0.0	16.7	16.3	10.2	7.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4		2.3	2.0	0.0	0.0	9.7	16.2	0.0	0.0	5.0	4.8	3.3	2.2	3.0	2.8	0.0	2.8	0.0	1.6
5		4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	8.0	8.3	9.6	7.4	5.8	4.4	4.4	4.4
6		0.0	0.0	0.0	5.1	9.9	9.3	9.0	0.0	3.1	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.5
7		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	15.1	11.7	8.1	4.8	4.3	0.0	0.0	0.0
8		7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	5.0	6.6	4.4	10.3	9.5	9.5	9.5
9		23.4	22.0	12.7	4.5	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	11.4
10		12.2	10.5	1.7	2.9	0.0	12.4	14.3	0.0	5.8	5.5	4.9	5.0	2.2	0.0	7.5	7.2	7.2	7.2
11		0.0	0.0	0.0	0.0	0.0	14.9	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12		0.0	0.0	0.0	0.0	0.0	21.5	24.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13		0.0	0.0	6.7	5.9	10.4	11.4	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14		0.0	6.8	8.0	14.3	16.1	12.9	10.3	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15		0.0	0.0	18.0	17.8	22.2	21.4	12.9	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16		0.0	0.0	0.0	0.0	0.0	29.4	30.7	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17		3.6	2.7	3.5	3.2	3.3	2.0	15.5	17.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.6	3.6
18		0.0	0.0	0.0	4.7	5.4	4.2	4.5	2.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20		0.0	0.0	6.4	0.0	0.0	8.0	0.0	5.3	5.4	3.7	5.5	2.4	4.3	3.2	0.0	0.0	0.0	0.0
21		8.0	3.6	10.3	10.3	10.7	11.2	7.0	3.5	7.3	4.2	2.9	0.0	0.0	0.0	4.8	4.1	5.1	5.1
22		19.7	19.7	15.7	12.8	6.0	0.0	6.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23		0.0	6.2	0.0	13.3	12.4	8.7	6.0	0.0	7.5	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0
24		0.0	0.0	6.5	16.1	21.9	21.6	7.9	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25		0.0	0.0	10.5	10.5	15.5	16.5	10.7	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26		0.0	0.0	0.0	4.8	2.6	3.3	2.4	4.7	5.8	5.7	1.7	0.0	1.7	0.0	2.4	0.0	0.0	0.0
27		0.0	0.0	0.0	13.8	15.1	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28		0.0	0.0	2.6	4.6	7.9	15.6	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	6.1	6.8	6.8
29		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	10.4	9.8	5.7	0.0	0.0	0.0
30		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	11.2	8.7	8.5	7.4	0.0	0.0	0.0
31		6.4	0.0	0.0	9.7	10.5	11.1	2.2	0.0	0.0	3.7	2.3	0.0	0.0	0.0	1.9	0.0	0.0	7.5
월 Month		23.4	22.0	18.0	17.8	22.2	29.4	30.7	32.0	7.5	9.2	15.1	11.7	10.4	11.0	11.7	13.9	13.9	13.9

동향별 관측횟수의 배분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 1월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM	
1	105	0	0	0	0	0	0	0	0	0	0	0	368	421	105	0	
2	500	21	0	63	63	21	0	21	21	21	0	0	0	0	250	0	
3	438	229	21	0	125	125	21	21	0	21	0	0	0	0	0	0	
4	21	21	0	0	83	438	0	63	167	83	21	63	21	0	21	0	
5	21	0	0	0	0	0	0	0	42	167	146	313	83	104	104	21	
6	0	0	0	83	229	458	146	0	0	0	21	0	0	0	21	0	
7	0	0	0	0	0	0	0	0	104	271	333	229	21	42	0	0	
8	21	0	0	0	0	0	0	0	0	83	21	42	42	229	563	0	
9	583	146	83	21	0	0	0	0	0	21	0	0	0	0	146	0	
10	188	63	21	21	0	313	42	42	83	21	42	42	0	42	63	21	
11	0	0	0	0	0	21	979	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	125	875	0	0	0	0	0	0	0	0	0	
13	0	0	125	146	271	396	63	0	0	0	0	0	0	0	0	0	
14	0	42	104	479	250	63	42	21	0	0	0	0	0	0	0	0	
15	0	0	42	167	375	354	42	21	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	313	479	208	0	0	0	0	0	0	0	0	
17	21	42	83	42	63	21	125	333	42	0	0	0	0	63	146	21	
18	0	0	0	21	85	85	64	43	21	0	0	0	0	0	0	681	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1000	
20	0	0	83	0	0	21	0	21	42	83	21	21	21	0	0	646	
21	21	125	188	125	83	42	42	83	83	42	0	0	63	21	21	42	
22	63	354	333	146	42	0	42	0	21	0	0	0	0	0	0	0	
23	0	21	0	354	396	83	63	0	63	0	0	21	0	0	0	0	
24	0	0	21	313	500	104	42	0	21	0	0	0	0	0	0	0	
25	0	0	213	255	213	234	43	0	43	0	0	0	0	0	0	0	
26	0	0	0	42	42	21	42	63	250	167	63	0	21	0	42	250	
27	0	0	0	42	292	646	0	0	0	0	0	0	0	0	0	21	
28	0	0	21	21	63	396	42	0	0	0	0	0	292	63	104	0	
29	0	0	0	0	0	0	0	0	0	0	42	646	271	42	0	0	
30	0	0	0	0	0	0	0	0	63	188	333	229	188	0	0	0	
31	63	0	0	188	208	104	21	0	42	42	0	0	63	229	42	42	
합 Month	65	32	42	85	113	146	106	26	23	27	32	27	57	39	35	56	90

89251 남극 세종과학기지(King Sejong Station)

1990년 2월

요소 Element	일 Date																															월 Month
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																
기압 평균 Ave. Station	982	987	997	999	993	983	980	991	991	991	991	995	996	1002	987	991																
최고 Highest	983	995	997	984	991	988	983	985	985	999	999	1000	985	981	1005																	
나타난 시간 Time (hPa)	986	994	999	1002	998	991	992	994	993	994	997	998	1000	1005	998	1005																
최저 Lowest	990	999	999	989	994	994	984	991	1003	1001	1002	999	984	0100																		
Air Press.	0130	2300	1130	1400	0030	0030	2300	2100	0030	2330	0330	1630	2400	0700	0100	0100																
기온 평균 Average	2400	2100	0030	0030	1830	0030	1500	2330	1600	0030	1800	0030	0500	974																		
최고 Highest	976	977	994	993	990	970	971	987	989	987	992	992	993	997	974	970																
나타난 시간 Time	978	990	989	980	987	981	982	981	991	998	999	971	977	6일																		
기온 평균 Average	1900	0030	0030	0030	1100	1930	0030	1000	1730	1330	2230	0030	0200	2230	1900	970																
평균최고 Ave. Maximum	0030	0030	2400	0930	0030	2000	0030	1030	0030	0630	0330	2100	0030	2.7																		
평균최저 Ave. Minimum	1.4	-0.6	1.7	3.6	3.4	3.1	2.7	3.3	2.6	3.1	3.2	3.9	3.3	3.0	2.6	4.5																
온도	2.3	2.0	2.0	3.2	1.5	1.7	3.5	2.6	2.0	3.8	2.5	4.7	2.8	1.2																		
최고 Highest	5.0	1.4	4.3	5.2	4.6	5.0	4.7	4.6	3.2	4.1	4.3	4.8	4.2	4.7	3.5	8.1																
나타난 시간 Time (°C)	3.8	3.5	2.7	5.0	3.3	6.3	5.5	6.7	4.3	5.6	3.7	8.1	4.6	27일																		
최저 Lowest	1100	1530	2400	1930	1600	1930	1500	1530	1200	1630	2230	1600	0200	1200	1030	2.2																
Air Temp.	1100	1430	1300	1330	1530	2330	0030	1100	2400	0100	2400	1300	1500	2일																		
나타난 시간 Time	-0.6	-2.2	-0.9	2.7	2.3	2.2	1.0	2.0	2.0	2.0	2.3	2.9	2.3	1.7	1.2	2.2																
평균습점온도 (°C)	0.7	1.1	0.7	2.0	-0.7	-1.8	1.8	0.0	0.5	2.4	1.6	2.2	1.5	2.2																		
Average Dewpoint Temperature	2400	0430	0030	0400	2130	0230	0930	0430	2300	0300	0930	2230	2200	0430	2300	2.2																
기온	0100	0500	0100	2400	2330	0300	2400	2130	0030	1800	1500	2100	2400	2.2																		
습점온도 (°C)	-3.1	-5.6	-3.6	-0.3	0.0	-0.9	-2.0	-0.7	-0.7	-0.8	-0.8	-0.4	-1.7	-1.9	-1.6	-1.9																
Average Dewpoint Temperature	-3.2	-4.3	-2.1	-1.7	-4.4	-4.2	-0.2	-1.6	-3.7	-0.4	-1.0	0.3	-1.5	-1.5																		

1990년 2월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	1.9	1.1	-	0.5	0.3	4.5	3.2	-	0.5	1.4	-	0.5	-	-	5.1	34.8	
Total Precipitation	0.0	-	2.0	3.0	-	0.2	-	0.6	-	0.2	0.6	7.0	2.2				
상대 습도	92.	88.	88.	95.	97.	95.	92.	95.	97.	95.	96.	94.	92.	91.	94.	92.	
최소	90.	85.	94.	91.	87.	88.	94.	93.	88.	94.	97.	93.	94.	81.	90.	74.	
도	81.	76.	74.	93.	96.	90.	77.	93.	94.	93.	94.	91.	86.	81.	90.	3일	
(1%)	84.	74.	88.	78.	76.	80.	91.	85.	74.	87.	95.	90.	91.				
나타난 시간 Time	1400	1600	0800	0900	2230	1830	1500	1600	2400	2130	0030	1630	2000	1300	1930		
R.H.	1100	1430	0030	1730	1600	0630	0030	1100	1830	0100	2400	0930	1400				
평	6.8	7.9	6.2	8.0	9.2	10.0	7.1	8.5	5.8	9.1	7.8	10.4	11.0	8.2	8.4	7.7	
합성 풍향 Direction	8.5	6.8	5.6	8.5	4.1	8.8	3.5	4.8	6.2	8.8	7.0	10.4	7.5	NW	NNW	NW	
순간 최대 Greatest Gust	ESE	E	N	NNW	NNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NW	NNW	NW	
(m/s)	SW	SW	NW	WNW	NE	NE	NW	E	N	N	NW	NNE	NNW				
풍향 Direction	25.4	25.3	14.3	16.4	17.7	19.5	18.0	17.8	11.8	18.1	18.5	18.3	19.8	17.2	18.7	28.2	
Wind	18.7	15.5	12.3	19.4	12.2	27.1	8.3	16.4	20.1	18.7	13.3	28.2	19.0			27일	
구름(1/8)	ESE	ESE	N	N	N	NNE	ESE	WNW	WNW	WNW	NNW	NNW	NNW	W	N	N	
Average Amount of Cloud	SW	SW	N	SW	SW	NNE	NNW	ESE	NNE	N	NW	N	NNW				
폭풍설 시작 시간 Start Time	2200	0130	1730	0100	0500	1830	0830	1400	0200	1600	2300	1500	0230	0030	1630		
Blizzard	0200	2100	2400	2130	0300	1930	2030	1930	2230	0200	1130	1730	0030				
계속 시간 Duration of Blizzard	7.2	3.1	2.6	7.6	8.0	5.9	5.2	8.0	7.5	8.0	7.4	6.1	4.0	2.9	8.0	6.1	
현상없음(NO OCCURRENCE)	3.7	3.0	7.1	4.4	4.8	5.5	4.9	7.2	5.9	7.4	6.7	8.0	8.2				

현상없음(NO OCCURRENCE)

폭풍설 시작 시간 Start Time

Blizzard 끝난 시간 End Time

계속 시간 Duration of Blizzard

1990년 2월

요 소 Element	일 Date												월 Month			
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	8235	16976	19240	11161	6437	11521	14317	7660	7172	4942	7339	10723	7843	15230	6274	261019
	11454	12030	5678	11825	8571	10892	8013	7745	9538	6509	6734	2517	4443			
관측못함(NO DATA AVAILABLE)																
눈 Max. Depth Snow Cover	적 설 최 심															
Snow (cm)	Max. Depth Snow Cover															
신적설 합 계 Total	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0
Snow Fall	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0
최 심 Max. Depth 나타난 날 Date																1일
맑 음 Clear																0
개 일 Partly Cloudy		v	v			v	v						v	v		13
흐 림 Cloudy	v	v		v	v				v							15
눈 Snow	v		v					v	v	v	v	v	v			2
비 Rain	v							v		v	v	v				18
진 눈 개 비 Sleet			v	v	v	v	v	v	v	v	v	v	v	v		0
안 개 Fog			v	v	v	v	v	v	v	v	v	v				12
박 무 Mist																5
유 빙 Drift Ice (Marian Cove/Maxwell Bay)				v	MC	MC	MC/MB	MC		MC	MC	MC		v		

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 2월

요소 일 Date	Element N	북 NNE	북북동 NE	북동 ENE	동 E	동남동 ESE	남남동 SSE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북북서 NNW
1	0.0	0.0	7.0	11.1	20.6	25.4	11.3	0.0	5.3	3.4	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	9.0	17.4	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	14.3	0.0	1.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3
4	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	11.8
5	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	17.5
6	18.3	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	15.1
7	0.0	0.0	0.0	0.0	11.2	18.0	0.0	0.0	5.5	0.0	2.1	15.0	17.7	10.7	11.6
8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	17.8	16.0
9	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	9.7	11.8
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	18.1	17.1
11	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	12.1
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	18.3
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6	18.9	19.8
14	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	11.1	13.8
15	18.7	18.6	0.0	7.8	0.0	0.0	6.4	14.6	16.2	0.0	0.0	0.0	0.0	12.1	16.4
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	18.7	15.9	12.4	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	15.2	15.5	12.0	0.0	0.0	0.0
18	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	9.6	6.3	7.9
19	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	18.4	0.0	0.0	5.7
20	0.0	6.4	9.6	9.0	0.0	5.2	0.0	0.0	6.0	11.5	12.2	8.3	9.2	4.7	0.0
21	18.7	27.1	23.7	5.5	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	7.6	1.6	0.0	3.2	0.0	0.0	0.0	0.0	0.0	2.8	3.9	5.9	0.0	5.5	7.3
23	2.3	0.0	2.6	13.6	15.8	16.4	2.0	2.6	2.1	2.2	2.1	0.0	0.0	0.0	3.1
24	19.3	20.1	0.0	11.7	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	8.3
25	18.7	18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	13.3
27	28.2	25.1	8.9	10.6	5.6	0.0	4.3	0.0	9.8	0.0	0.0	0.0	0.0	23.7	22.0
28	13.1	14.1	12.9	0.0	0.0	9.4	5.5	4.6	0.0	0.0	0.0	4.3	0.0	19.0	9.8
월 Month	28.2	27.1	23.7	13.6	20.6	25.4	11.3	6.4	14.6	17.6	19.4	18.4	18.6	23.7	22.0

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 2월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	경은 CLM
1	0	0	137	157	196	216	39	0	118	137	0	0	0	0	0	0	0
2	0	0	0	375	229	396	0	0	0	0	0	0	0	0	0	0	0
3	646	0	21	146	0	0	0	0	0	0	0	0	0	0	0	188	0
4	167	0	0	0	0	0	0	0	0	0	0	0	167	229	438	0	0
5	313	0	0	0	0	0	0	0	0	0	0	0	0	292	396	0	0
6	125	63	0	0	0	0	0	0	0	0	0	0	417	250	146	0	0
7	0	0	0	0	63	271	0	0	21	0	42	104	83	188	208	0	0
8	42	0	0	0	0	0	0	0	0	0	42	375	354	188	0	0	0
9	21	0	0	0	0	0	0	0	0	0	83	83	479	333	0	0	0
10	0	0	0	0	0	0	0	0	0	0	125	396	375	104	0	0	0
11	128	0	0	0	0	0	0	0	0	0	0	128	319	426	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	375	625	0	0	0
13	0	0	0	0	0	0	0	0	0	0	480	280	240	0	0	0	0
14	21	0	0	0	0	0	0	0	0	0	250	271	167	292	0	0	0
15	146	104	0	21	0	0	0	21	104	63	0	0	83	250	208	0	0
16	0	0	0	0	0	0	0	0	167	333	458	42	0	0	0	0	0
17	0	0	0	0	0	0	0	0	42	146	667	146	0	0	0	0	0
18	125	0	0	0	0	0	0	0	0	0	21	104	104	83	563	0	0
19	313	0	0	0	0	0	0	0	167	396	0	0	21	104	0	0	0
20	0	21	458	146	0	21	0	0	42	42	125	42	83	21	0	0	0
21	104	354	333	188	21	0	0	0	0	0	0	0	0	0	0	0	0
22	83	21	0	42	0	0	0	0	21	63	42	0	83	250	396	0	0
23	21	0	21	188	250	271	21	21	21	21	0	0	0	21	0	125	0
24	188	125	0	188	21	0	0	0	0	0	0	0	21	271	188	0	0
25	438	21	0	0	0	0	0	0	0	0	0	0	0	0	542	0	0
26	83	0	0	0	0	0	0	0	0	0	0	146	417	354	0	0	0
27	333	146	42	146	42	0	42	0	21	0	0	0	104	21	104	0	0
28	271	63	104	0	0	21	21	21	0	0	21	0	250	42	188	0	0
월 Month	127	33	40	57	30	43	4	2	13	22	50	42	47	108	165	213	4

89251 남극 세종과학기지(King Sejong Station)

1990년 3월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 31 Month
기압 평균 Ave. Station	987	987	982	992	985	973	973	981	991	992	970	990	1005	1009	1009	984
최고 Highest	995	994	989	982	977	975	974	977	984	989	979	967	979	967	970	984
나타난 시간 Time (hPa)	1005	999	999	992	981	978	976	982	985	992	991	971	984	982	976	993
최저 Lowest	2130	0030	2000	1000	0030	1400	2400	0300	2300	0230	0030	2400	1400	2030	0030	2300
Air Press.	982	975	974	989	976	966	977	979	981	983	966	964	971	959	961	958
나타난 시간 Time	990	989	991	979	974	972	972	973	981	983	966	964	971	959	961	976
기온 평균 Average	0030	2130	0030	0030	2400	2330	0030	1630	0030	2330	1600	0030	0030	0030	2230	0030
평균최고 Ave. Maximum	1500	0200	2400	1300	1230	1500	0030	0100	0030	0030	2400	0330	0030	1830	0030	0030
평균최저 Ave. Minimum	-0.2	1.9	0.7	1.5	2.8	3.0	1.2	2.0	1.6	2.2	2.3	-0.6	-1.3	0.6	1.2	1.1
온도 (°C)	2.4	2.0	1.9	3.0	2.8	0.8	-1.3	-1.2	0.2	-1.4	0.7	1.9	2.6	0.0	0.1	0.7
최고 Highest	1.8	4.3	2.9	2.6	4.0	4.6	3.4	3.9	2.6	5.3	6.8	1.6	0.8	1.5	2.7	6.8
나타난 시간 Time	3.5	2.9	2.9	3.6	4.7	3.1	-0.5	0.7	0.8	-0.2	3.4	2.6	4.4	5.0	1.3	1.5
최저 Lowest	0030	1900	0030	1400	2400	0300	0030	1030	0130	1230	0500	1300	2200	1230	2400	1300
Air Temp.	1100	1600	1130	0530	0900	1300	2400	0430	0100	1930	0400	2100	0030	1130	1300	1300
나타난 시간 Time	-1.1	-0.4	-0.7	-0.6	2.3	1.8	-1.3	-0.2	0.9	-0.3	-3.0	-3.6	-3.8	-0.5	0.0	-3.8
평균추진온도(°C)	1.1	1.3	1.4	1.9	1.5	-1.9	-1.9	-2.4	-1.2	-2.4	-1.4	1.4	1.5	-2.9	-2.2	-0.1
Average Dewpoint Temperature	1600	0030	1900	0030	0130	2100	1530	0030	2400	0930	2030	2400	0030	0530	0100	1100
Average Dewpoint Temperature	2130	1100	1830	0030	2100	2330	0600	0830	2400	0630	0200	0700	0230	2030	0030	1100
평균추진온도(°C)	-5.0	-3.1	-4.3	-3.7	-1.0	-1.6	-3.6	-3.1	-3.3	-2.1	-2.4	-6.6	-8.2	-5.0	-3.7	-3.8
Average Dewpoint Temperature	-1.3	-3.4	-3.2	-1.2	-1.1	-3.9	-6.6	-6.7	-6.3	-7.9	-4.9	-2.2	-2.0	-3.9	-3.4	-4.5

1990년 3월

일 Date	1990년 3월																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	5.8	-	-	4.3	2.0	0.1	0.3	-	-	-	-	1.4	3.0	-	7.2	3.2	-
Total Precipitation	4.5	-	-	4.3	2.0	0.1	0.3	-	-	-	-	1.4	3.0	-	7.2	3.2	-
평 균 Average	92.	92.	90.	90.	96.	93.	91.	91.	91.	91.	93.	91.	88.	84.	90.	93.	92.
최 소 Lowest	95.	89.	92.	94.	95.	93.	91.	91.	86.	87.	87.	90.	95.	92.	94.	97.	93.
도	89.	87.	79.	83.	95.	87.	80.	85.	84.	89.	81.	78.	76.	78.	88.	88.	68.
(1%) 나타난 시간 Time	95.	73.	83.	88.	91.	86.	90.	84.	77.	79.	80.	94.	77.	68.	95.	89.	29일
R.H.	1400	0700	1230	0430	0030	1100	2230	0630	2000	0800	1230	1130	2330	0030	0030	2400	2330
	0030	1430	1300	0030	1400	1130	1030	1530	1500	1100	0900	1330	2400	0030	0030	2400	2330
평 균 24 hour ave.	8.8	8.6	6.6	6.8	10.5	12.7	7.9	11.3	10.6	10.1	15.7	5.7	5.3	4.2	8.5	8.5	8.5
합성 풍 향 Direction	9.9	9.9	8.7	14.4	9.2	7.4	6.9	6.6	4.1	5.4	9.5	8.4	6.2	12.5	6.6	5.1	NNW
순 간 최 대 Greatest Gust	ESE	NNW	E	WNW	NNW	NNW	NNE	NNW	W	NNW	NNW	E	NNE	WNW	N	WNW	NNW
(m/s) 풍 향 Direction	NNW	W	WNW	N	NNW	NE	ENE	ESE	ESE	WSW	E	N	NNW	N	ESE	N	WNW
Wind	19.6	28.9	17.0	14.6	21.7	25.7	18.0	28.5	22.2	33.4	45.2	21.0	12.6	8.6	15.5	45.2	45.2
	21.3	20.2	22.0	30.7	19.6	16.3	16.7	14.1	11.2	13.2	28.0	14.3	13.8	30.5	16.9	11.3	11일
	ESE	NNE	ESE	NW	WNW	WNW	ESE	NNE	W	NNE	NNE	WSW	NNW	W	NNW	NNE	NNE
	N	WSW	WNW	NNE	N	E	E	E	W	ESE	NNE	N	N	ESE	SE	WNW	WNW
나타난 시간 Time	0430	1700	1200	2230	0900	0830	1600	0930	0600	1100	0700	0230	1900	0800	1700	1700	1700
	0300	1230	0200	0730	0530	1930	0700	0200	0030	0300	1430	0330	1500	0900	0100	2000	2000
구름(1/8)	6.6	7.4	5.8	5.8	8.4	5.2	6.6	6.5	6.2	6.4	5.5	6.3	7.3	6.0	4.8	6.0	6.0
Average Amount of Cloud	6.5	1.6	2.5	6.3	6.5	5.3	6.8	5.3	6.0	4.5	6.0	7.0	4.8	7.3	7.5	6.8	6.8
폭풍설 시작 시간 Start Time																	1700
Bliz-zard																	2430
계 속 시간 Duration of Blizzard																	0730

1990년 3월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
수평면일사량(0.001MJ/㎡)	8350	8118	12092	8613	4562	7949	5890	4235	3495	4426	5267	5085	3817	4133	7848	176819
Hor. Global Solar Rad.	2462	10286	7664	4956	4144	6732	4721	7268	2990	7814	6108	3463	5271	3087	2508	3465

관측못함(NO DATA AVAILABLE)

는 Snow (cm)	적 설 최 심 Max. Depth Snow Cover																		
	합 Total	최 심 Max. Depth Fall	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	31	29일
	0.5	-	0.5	-	-	-	-	0.0	-	0.0	0.5	0.7	-	-	0.2	-	-	34.4	
합	-	-	-	-	-	0.0	1.0	-	0.0	-	-	-	-	-	23.0	8.0	-	23.0	
개 기상	음 Clear	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	1
상	일 Partly Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	11
현	림 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	19
상	눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	11
	비 Rain	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	11
	진 눈 개 비 Sleet	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	0
Meteo. Phenom ena	안 개 Fog	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	12
	박 무 Mist	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	8
	유 빙 Drift Ice (Marian Cove/Maxwell Bay)	MB	MB	v	v	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 3월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	동남동	남동	SE	SSE	남	S	SSW	남서	SW	WSW	서	서북서	북서	NNW	
1		0.0	0.0	0.0	0.0	19.1	19.6	3.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.3
2		22.2	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	9.6	10.3
3		6.5	1.7	0.0	6.3	15.9	17.0	16.8	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	6.6	10.2	
4		11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	10.9	10.1	11.4	12.2	14.6	13.2	0.0	0.0	21.7	17.7
5		19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7	19.5	17.3	
6		22.8	0.0	0.0	0.0	6.8	12.6	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	14.5	
7		14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	14.5
8		23.6	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	20.0	18.9	
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	0.0
10		26.1	33.4	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	8.1	7.6	15.1
11		31.4	45.2	0.0	0.0	0.0	0.0	0.0	14.8	23.7	0.0	0.0	21.6	16.3	22.1	23.0	28.1	0.0	0.0	0.0	23.0	28.1
12		1.8	3.5	2.8	13.2	13.1	0.0	9.9	6.0	2.3	2.8	10.7	21.0	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
13		12.2	9.5	9.7	10.4	11.5	3.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	12.6
14		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	8.3	6.9	5.8
15		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	14.4	15.5
16		21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	16.6
17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	0.0
18		18.0	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	10.4
19		24.5	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	
20		19.6	16.2	0.0	0.0	16.3	16.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	6.8
21		8.1	6.0	4.7	6.1	12.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	9.7
22		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24		0.0	0.0	0.0	0.0	6.3	7.9	13.2	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25		5.1	0.0	0.0	0.0	0.0	0.0	7.8	7.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26		20.2	28.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27		14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28		13.8	0.0	5.6	5.1	6.0	9.1	7.4	3.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29		0.0	0.0	0.0	0.0	23.0	30.5	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30		13.1	0.0	3.8	0.0	0.0	16.5	16.9	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31		0.0	0.0	3.4	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
월	Month	31.4	45.2	26.3	13.2	23.0	30.5	27.2	14.8	23.7	9.1	15.5	21.6	22.2	25.7	23.0	28.1					

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 3월

요소 일 Date	Element	N	NNE	북 NE	북동 ENE	동 E	동남동 ESE	남동 SSE	남 S	남남동 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM
1	0	0	0	0	0	333	521	42	21	0	0	0	0	0	21	21	42
2	333	125	0	0	0	0	0	0	0	0	0	0	0	83	229	229	0
3	63	21	0	63	104	479	21	0	21	0	0	0	0	21	42	146	21
4	21	0	0	0	0	0	0	0	21	104	146	250	146	229	83	0	0
5	146	0	0	0	0	0	0	0	0	0	0	0	0	167	688	0	0
6	396	0	0	0	0	0	0	0	0	0	0	0	0	188	271	146	0
7	167	0	0	42	125	229	0	0	0	0	0	0	0	125	313	0	0
8	188	167	0	0	0	0	0	0	0	0	0	0	0	146	417	83	0
9	0	0	0	0	0	0	0	0	0	42	167	646	83	63	0	0	0
10	271	125	42	0	0	0	0	0	0	0	0	21	125	42	375	0	0
11	292	125	0	0	0	0	0	63	21	0	21	42	63	42	333	0	0
12	21	42	21	292	146	0	104	42	42	21	104	104	0	0	21	0	0
13	292	21	83	146	42	21	83	0	0	0	0	42	104	63	63	42	0
14	0	0	0	0	0	0	0	0	0	0	0	229	625	83	63	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	21	583	396	0
16	458	0	0	0	0	0	0	0	0	0	0	0	0	0	333	208	0
17	0	0	0	0	0	0	0	0	0	0	167	417	333	83	0	0	0
18	208	21	0	0	0	0	0	0	0	0	21	354	250	104	42	0	0
19	667	250	0	0	0	0	0	0	0	0	0	0	0	0	83	0	0
20	583	83	0	0	0	0	0	0	0	0	0	0	0	42	229	63	0
21	63	21	21	42	63	292	83	0	0	0	0	0	0	292	125	0	0
22	0	0	42	479	479	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	104	542	0	21	21	21	21	146	104	0	0	0	0
24	0	0	0	0	0	208	63	21	0	0	21	438	167	42	0	42	0
25	83	0	0	83	42	521	125	0	0	0	0	0	0	21	104	0	0
26	375	354	21	0	0	0	0	0	0	0	0	0	0	21	63	167	0
27	667	0	0	0	0	0	0	0	0	0	0	0	0	83	42	208	0
28	688	0	42	42	63	42	42	21	21	0	0	0	0	0	0	42	0
29	0	0	0	0	0	42	667	292	0	0	0	0	0	0	0	0	0
30	125	0	21	0	0	104	83	104	0	0	21	21	0	63	458	0	0
31	0	0	21	0	0	21	0	0	0	21	21	354	479	63	21	0	0
월 Month	197	44	10	38	50	118	30	9	4	3	7	23	94	101	123	144	5

89251 남극 세종과학기지(King Sejong Station)

1990년 4월

요소 Element	일 Date																															월 Month		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
기압 평균 Ave. Station	1002	1009	1006	1003	1002	1000	993	985	990	1000	1000	1006	1004	994	987	985	990	993	982	972	972	982	987	983	987	993	1004	999	988	982	978	985		
최고 Highest	991	993	981	986	974	972	962	986	976	975	981	980	977	987	987	986	993	987	1002	1002	997	987	993	1005	1007	1000	990	992	990	992	1010			
압하 시간 Time (hPa)	996	995	993	991	988	976	986	987	984	981	982	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	2일			
최저 Lowest	2030	0830	0030	0030	0030	0030	0030	0030	2230	2200	0700	0030	0030	0030	0400	2000	1600	0030	1730	0030	1700	1830	1100	0030	2030	1700	1700	0030	2200	1400				
Air Press.	993	1008	1004	1002	1001	997	987	983	987	983	987	993	1004	999	988	978	983	990	975	976	965	967	976	984	968	969	979	975	978	994	965			
나타난 시간 Time	0030	0030	2300	1230	0530	2130	2400	1030	0030	0030	0030	0030	2400	2200	0530	0030	0030	0030	2300	2400	2130	2400	1030	0030	0030	2400	2200	2230	0530	20일				
기온 평균 Average	0.0	-0.2	-0.7	0.4	-0.2	-6.2	-6.7	-5.1	-3.8	-5.6	-8.2	-2.1	-0.1	-0.1	-0.4	-8.9	-10.9	-1.6	-0.8	-4.2	-0.1	-4.4	-6.9	-7.5	-5.6	-13.7	-16.2	-13.5	-4.4	-2.9	-5.1	-4.9		
평균최고 Ave. Maximum																																		
평균최저 Ave. Minimum																																		
온도 최고 Highest (°C)	1.5	1.5	0.3	1.5	1.7	-3.5	-6.1	-3.6	-2.9	-3.4	-6.2	-0.6	0.9	0.1	-0.7	-2.6	0.7	1.1	-0.9	1.6	-0.5	-2.2	-6.0	-3.5	-8.0	-14.4	-8.7	-2.3	-0.5	-3.0	1.7			
나타난 시간 Time	1400	1130	2400	1330	1300	0030	2330	2300	1500	1030	2400	1930	1500	0030	0330	2330	1230	1330	2400	1300	0700	0330	1100	1730	0030	0630	2400	2330	1230	1200	1200			
Air Temp.	-2.4	-1.3	-2.3	-0.1	-3.5	-7.3	-7.5	-6.2	-4.8	-9.3	-9.3	-6.2	-1.4	-1.7	-12.8	-15.4	-3.6	-6.2	-7.0	-1.9	-8.2	-9.1	-8.8	-8.2	-15.3	-18.3	-18.0	-9.7	-6.3	-6.4	-18.3			
나타난 시간 Time	2000	0500	1200	1930	2400	2100	1700	0200	0530	2200	1430	0030	0830	2400	1500	0930	2030	2400	0530	2030	1000	1630	1430	0100	1700	2000	0030	0100	2400	2030	26일			
평균습윤도(°C)	-6.4	-5.6	-7.5	-6.1	-6.6	-10.5	-11.1	-9.3	-9.8	-10.8	-13.7	-8.4	-5.5	-6.4	-14.0	-17.1	-9.1	-5.4	-10.4	-5.2	-9.7	-12.6	-13.8	-12.3	-19.0	-22.3	-19.5	-11.9	-9.1	-11.4	-10.7			
Average Dewpoint Temperature																																		

1990년 4월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	-	-	-	-	0.0	4.5	3.7	4.0	-	1.2	2.1	-	0.0	0.0	1.0	31.1	
Total Precipitation	2.5	-	1.0	2.5	-	-	1.5	2.5	0.7	3.5	0.4	-	-	-	-	-	
평 균 Average	88.	90.	88.	89.	89.	95.	95.	96.	89.	92.	92.	89.	92.	90.	93.	90.	
대 습 소 Lowest	91.	82.	94.	88.	92.	91.	91.	90.	89.	94.	93.	91.	84.	87.	88.	89.	
도 (1*)	77.	87.	85.	82.	71.	93.	94.	93.	78.	89.	90.	83.	90.	85.	89.	69.	
R.H.	81.	69.	88.	75.	84.	78.	86.	88.	83.	93.	92.	89.	70.	76.	82.	17일	
나타난 시간 Time	1530	2030	2300	0830	1330	0200	0830	2230	2200	1430	1700	1330	0600	2100	0130		
R.H.	2330	1300	1330	1300	1930	0130	0330	1130	1200	1630	2330	2030	0630	2030	0100		
평 균 24 hour ave.	4.6	2.1	5.5	5.7	5.8	12.5	12.2	11.9	7.4	9.4	8.1	6.2	9.5	7.7	10.9	8.3	
합성 풍 향 Direction	10.8	6.6	8.5	5.0	13.3	7.7	7.8	5.2	9.5	18.3	12.0	5.1	7.9	5.2	6.9	ESE	
순 간 최 대 Greatest Gust	ESE	S	NW	ENE	NNW	NNE	ENE	E	ENE	ESE	ESE	E	W	WSW	ESE		
(m/s) 풍 향 Direction	10.2	7.8	10.8	13.1	16.5	22.0	22.8	23.4	19.4	23.0	18.7	13.3	17.7	14.9	27.1	33.4	
Wind	27.6	25.5	18.7	18.0	27.8	25.4	16.8	13.6	25.1	33.4	21.6	17.7	15.7	14.6	16.0	25일	
구름(1/8)	E	NNE	N	NNE	ESE	SE	SE	SE	ESE	ESE	E	WNW	WNW	W	ESE	E	
Average Amount of Cloud	ESE	SW	E	E	NNE	ESE	E	ESE	ESE	E	E	ESE	WSW	W	ESE		
폭풍설 시작 시간 Start Time	1030	2300	1730	1300	2330	2130	1130	1800	0100	1600	0400	2400	1030	1800	0830		
Blizzard	0800	0130	2330	0030	1400	0900	0600	1430	2400	0700	0100	0030	1700	0400	1930		
계속 시간 Duration of Blizzard	1.8	5.5	6.8	4.3	3.8	8.0	7.5	8.0	3.8	7.5	7.8	6.5	6.0	4.5	9.0	5.8	
	6.8	0.5	5.5	4.3	8.3	3.8	8.0	6.3	6.0	8.0	6.5	5.8	5.5	3.5	3.8		
폭풍설 시작 시간 Start Time	0500					0730			2400						0700		
Blizzard	1200						1800			1800					1730		
계속 시간 Duration of Blizzard	0700						5830			1800					1030		
									1800							9400	

1990년 4월

요 소 Element	일 Date																															월 Month	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																	
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	8650	4621	2193	6966	4802	2090	1612	2191	3991	2739	2207	1862	2177	2475	2528	91518																	
	3270	5528	1837	4082	1336	4228	1973	2267	2352	1749	2236	2256	1347	2733	3220																		
관측못함(NO DATA AVAILABLE)																																	
눈 Snow	적 설 최 심 Max. Depth Snow Cover																																
신적설 합 계 Total	-	-	-	-	2.0	25.0	17.0	20.0	-	7.0	10.0	-	-	-	1.0	7.0	149.0																
눈 최 심 Max. Depth Fall	10.0	-	5.0	10.0	-	-	5.0	7.0	5.0	15.0	3.0	-	-	-	-	-	25.0																
날 Date																	6일																
맑 Clear	v																																
개 Partly Cloudy		v			v				v								2																
흐 Cloudy			v	v		v	v	v		v	v	v	v	v	v	v	12																
눈 Snow					v	v	v	v	v	v	v	v	v	v	v	v	16																
비 Rain					v	v	v	v	v	v	v	v	v	v	v	v	16																
진 눈 개 비 Sleet												v					1																
안 개 Fog																	0																
박 무 Mist																	5																
유 빙 Drift Ice (Marian Cove/Maxwell Bay)																	3																
																	세종호 결빙																

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 4월

일	Date	북	NNE	NE	ENE	동	E	ESE	SE	SSE	남	S	SSW	SW	서남서	서	WSW	WNW	북서	NW	북북서	NNW	
1		0.0	0.0	7.5	10.2	10.2	8.6	6.0	0.0	4.5	0.0	0.0	0.0	0.0	3.3	8.9	9.8	0.0	0.0	0.0	0.0	0.0	
2		4.9	7.8	5.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.8	0.0	
3		10.8	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4		10.0	13.1	12.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5		0.0	0.0	7.5	9.6	9.4	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6		0.0	0.0	0.0	0.0	0.0	19.3	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7		0.0	0.0	0.0	0.0	0.0	21.2	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8		0.0	0.0	0.0	0.0	0.0	19.4	18.7	11.1	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9		0.0	0.0	0.0	0.0	19.7	23.0	13.3	16.9	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10		0.0	0.0	0.0	0.0	10.0	18.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11		0.0	0.0	1.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	13.3	8.0	7.9	0.0	0.0	0.0	
12		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	17.7	14.7	14.4	0.0	0.0	0.0	
13		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	14.1	0.0	0.0	0.0	0.0	0.0	
14		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	9.9	9.8	4.7	0.0	0.0	0.0	
15		0.0	0.0	6.7	8.9	23.2	27.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16		0.0	16.4	0.0	17.5	27.4	27.6	0.0	15.3	15.4	21.7	15.2	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17		0.0	7.1	4.7	5.1	5.0	2.9	3.4	8.2	16.1	23.5	25.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	
18		11.2	0.0	0.0	0.0	18.7	17.5	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	13.5	15.1	10.0	11.7	0.0	0.0	0.0	
19		14.9	12.4	4.1	5.0	18.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	
20		23.9	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.3	18.0	15.7	14.9	0.0	0.0	0.0	
21		10.8	6.5	8.1	10.3	22.5	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	15.0	15.0	15.0	0.0	
22		0.0	0.0	0.0	11.8	16.8	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	5.0	0.0	0.0	6.4	0.0	0.0	0.0	
23		0.0	0.0	10.7	11.1	12.2	13.6	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24		0.0	19.9	22.4	22.0	24.5	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25		0.0	0.0	0.0	0.0	33.4	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26		0.0	0.0	0.0	0.0	21.6	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27		0.0	3.8	4.1	8.4	12.7	17.7	3.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	
28		0.0	0.0	0.0	5.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	14.5	3.9	0.0	0.0	0.0	0.0	0.0	
29		0.0	0.0	0.0	5.9	6.6	6.7	4.7	5.2	7.4	8.2	7.4	10.2	14.6	3.8	0.0	3.0	0.0	0.0	0.0	0.0	0.0	
30		0.0	0.0	0.0	4.6	15.1	16.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
월	Month	23.9	27.8	22.4	22.0	33.4	32.6	23.4	16.9	16.1	23.5	25.5	15.7	18.3	18.0	15.7	15.0						

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 4월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		0	0	42	375	229	21	21	0	21	0	0	21	63	208	0	0	0
2		167	292	42	42	0	0	0	0	0	0	0	0	0	0	42	208	208
3		563	438	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		83	438	375	104	0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	63	521	125	292	0	0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	229	771	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	417	583	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	604	396	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	604	104	271	21	0	0	0	0	0	0	0	0
10		0	0	0	0	313	167	208	271	42	0	0	0	0	0	0	0	0
11		0	0	0	188	667	146	0	0	0	0	0	0	0	0	0	0	0
12		0	0	21	21	0	0	0	0	0	0	0	0	271	333	146	208	0
13		0	0	0	0	0	0	0	0	0	0	0	0	500	333	125	42	0
14		0	0	0	0	0	0	0	0	0	0	0	0	583	417	0	0	0
15		0	0	21	42	188	521	0	0	0	0	0	0	21	125	63	21	0
16		0	125	0	63	188	250	0	83	42	104	104	42	0	0	0	0	0
17		0	21	63	42	83	21	21	167	250	146	167	0	0	0	0	21	0
18		49	0	0	0	146	24	0	0	0	24	0	0	171	293	24	268	0
19		104	63	21	313	333	125	0	0	0	0	0	0	0	0	0	42	0
20		417	125	0	0	0	0	0	0	0	0	0	0	21	271	63	104	0
21		125	83	21	125	104	188	0	0	0	0	0	0	0	63	83	208	0
22		0	0	0	271	500	83	0	0	0	0	0	21	21	0	0	104	0
23		0	0	146	479	188	146	42	0	0	0	0	0	0	0	0	0	0
24		0	63	292	458	146	42	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	167	833	0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	333	667	0	0	0	0	0	0	0	0	0	0	0
27		0	42	42	229	292	292	42	42	0	0	0	0	0	0	21	0	0
28		0	0	0	63	21	0	0	0	0	0	0	458	438	21	0	0	0
29		0	0	0	83	83	83	21	21	42	42	83	104	396	21	0	21	0
30		0	0	0	42	188	625	146	0	0	0	0	0	0	0	0	0	0
월	Month	50	57	38	116	143	214	79	29	14	10	12	22	82	68	19	40	7

89251 남극 세종과학기지(King Sejong Station)

1990년 5월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	1002	1011	1023	1022	1018	1018	1022	1021	1025	1026	1025	1026	1021	1019	1010	1003	
최고 Highest	1006	999	985	985	994	985	963	966	982	992	997	1002	997	986	976	971	
나타난 시간 Time	1008	1017	1025	1024	1020	1021	1023	1024	1027	1027	1027	1027	1025	1021	1015	1027	
최저 Lowest	1008	1005	988	989	998	997	968	973	990	994	1000	1003	1002	991	980	977	
(hPa)	2200	2130	2030	0930	0930	0930	0430	2330	1830	1530	0930	0300	0030	0030	0030	0030	
Air Press.	999	1007	1017	1020	1016	1015	1019	1018	1024	1025	1022	1025	1019	1015	1008	960	
나타난 시간 Time	1004	987	982	982	988	968	960	960	973	990	994	999	991	980	974	967	
기온 평균 Average	0030	0030	0030	2330	2000	0200	1430	0930	0030	0700	1000	2130	1600	2200	1800	22일/23일	
평균최고 Ave. Maximum	2230	2400	2330	0030	0030	2330	1930	0030	0030	0030	0030	0030	2030	2400	0500	1400	
평균최저 Ave. Minimum	-5.3	-5.6	-6.4	-4.8	-4.7	-9.9	-8.7	-8.4	-9.3	-5.0	-3.1	-3.4	-3.2	-6.5	-0.9	-4.9	
온도 (℃)	-0.1	-0.1	1.0	-0.1	-8.1	-6.9	-7.9	-1.5	-9.4	-9.8	-8.3	-9.9	-5.6	-0.1	1.0	0.3	
최고 Highest	-2.7	-4.3	-5.3	-2.6	-3.0	-5.5	-4.6	-5.1	-6.9	-2.4	-2.6	-2.6	0.1	-2.0	-0.2	3.9	
나타난 시간 Time	1.1	2.4	3.0	3.9	-5.1	-1.5	-0.1	0.1	-1.2	-8.3	-7.1	-7.9	-1.0	1.7	3.3	2.4	
최저 Lowest	1400	0030	0200	1330	0230	0100	1500	0430	1400	1230	0800	2400	1130	2400	2000	19일	
Air Temp.	0900	1830	2230	0400	0030	1230	2400	0100	0100	1330	1130	2400	2130	2230	0330	0230	
나타난 시간 Time	-7.5	-6.4	-7.6	-6.4	-6.2	-12.8	-13.1	-12.2	-12.2	-7.9	-4.0	-3.8	-8.2	-9.0	-2.2	-13.7	
평균북점온도(℃)	-0.9	-2.2	-0.4	-5.3	-10.0	-11.1	-11.4	-3.7	-13.7	-12.8	-9.8	-12.0	-9.7	-1.6	-0.3	-4.3	
Average Dewpoint Temperature	0530	0800	1930	0230	1900	1800	2130	0100	0030	0230	0530	0230	0130	0130	0030	24일	
평균북점온도(℃)	0030	1230	1030	2330	0900	2200	0530	0500	2030	0030	2330	0600	0800	2130	1400	2330	
Average Dewpoint Temperature	-13.0	-11.7	-11.8	-9.9	-10.5	-15.3	-15.1	-16.0	-15.7	-11.4	-10.0	-9.7	-8.2	-12.1	-5.7	-10.4	
기온	-4.6	-4.3	-3.7	-4.7	-13.2	-12.1	-12.5	-6.3	-15.5	-15.2	-13.6	-14.8	-11.7	-5.6	-3.1	-4.4	

1990년 5월

일 Date	1990년 5월																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month														
강수량(mm)	-	-	-	-	-	1.1	2.0	-	-	-	-	-	1.0	-	-	27.1															
Total Precipitation	2.0	1.0	0.2	3.0	-	4.0	5.0	-	-	0.8	-	-	-	-	-	5.0	2.0														
상 평 균 Average	81.	90.	92.	91.	91.	93.	89.	84.	89.	90.	89.	89.	92.	91.	95.	92.															
하 소 Lowest	69.	78.	90.	89.	88.	89.	82.	66.	83.	85.	88.	88.	89.	83.	91.	93.															
도 (1%)	97.	93.	87.	89.	89.	90.	91.	91.	89.	90.	90.	91.	84.	87.	90.	89.															
(1%) R.H.	1400	0100	1700	2300	1430	2400	1200	1330	0030	1200	1800	1130	1130	0600	0030	0030															
	1630	1600	2030	1230	1930	0030	1900	1200	1900	1130	0930	0030	1700	2300	0030	1430															
평 균 24 hour ave.	4.3	13.9	8.9	5.5	4.5	8.8	4.2	5.6	2.9	0.8	3.6	1.9	6.2	4.6	5.0	6.4															
합성 풍 향 Direction	ESE	ESE	ESE	ESE	E	ESE	SE	E	ESE	NE	W	WNW	NE	NNE	NNW	ESE															
순 간 최 대 Greatest Gust	15.8	25.7	22.1	15.5	11.5	17.3	11.3	15.2	6.4	6.1	9.6	7.2	16.9	15.1	12.2	37.7															
(m/s) 풍 향 Direction	ESE	ESE	ESE	E	ESE	ESE	NNW	E	E	NNW	W	NNW	ESE	ENE	N	ESE															
Wind	2400	0800	0030	0230	2400	1300	1430	1330	1930	0200	1030	2200	1730	0330	0400	0330															
	2200	2400	2330	0730	1000	2330	0230	0100	0900	2130	0030	0100	2130	1400	0530	0330															
구름(1/8)	2.0	3.3	3.2	4.0	7.0	7.0	6.5	2.0	2.5	4.5	7.3	7.3	7.8	3.8	7.8	5.8															
Average Amount of Cloud	7.8	6.0	7.5	4.3	5.5	8.0	7.8	6.5	1.8	7.5	6.8	7.0	6.0	5.3	7.0	7.5															
폭풍설 시작 시간 Start Time	1630																														
Blizzard	1000																														
계속 시간 Duration of Blizzard	1730																														

1990년 5월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
수평면일사량(0.001MJ/㎡)	2981	517	2084	1847	1248	1922	1216	2022	2160	1216	777	764	780	1124	980	33786	
Hor. Global Solar Rad.	947	1019	664	1186	732	443	581	713	1334	584	672	477	908	532	394	962	

관측못함(NO DATA AVAILABLE)

날	적 설 최 심 Max. Depth Snow Cover		합 계 Total		최 심 Max. Depth		날 Date		관측못함(NO DATA AVAILABLE)	3						
	합	최 심	합	최 심	날	Date										
맑음 Clear	0.0	-	0.0	-	5.0	8.0	-	-	-	5.0	-	0.0	-	3.0	-	69.0
개임 Partly Cloudy	-	-	-	-	0.0	18.0	25.0	0.0	0.0	5.0	-	-	-	-	-	25.0
흐림 Cloudy	0.0	-	0.0	-	0.0	8.0	0.0	0.0	0.0	5.0	-	-	-	-	-	22일
눈 Snow	0.0	-	0.0	-	0.0	8.0	0.0	0.0	0.0	5.0	-	-	-	-	-	22일
비 Rain	0.0	-	0.0	-	0.0	8.0	0.0	0.0	0.0	5.0	-	-	-	-	-	22일
진눈깨비 Sleet	0.0	-	0.0	-	0.0	8.0	0.0	0.0	0.0	5.0	-	-	-	-	-	22일
안개 Fog	0.0	-	0.0	-	0.0	8.0	0.0	0.0	0.0	5.0	-	-	-	-	-	22일
박무 Mist	0.0	-	0.0	-	0.0	8.0	0.0	0.0	0.0	5.0	-	-	-	-	-	22일
유빙 Drift Ice (Marian Cove Maxwell Bay)	0.0	-	0.0	-	0.0	8.0	0.0	0.0	0.0	5.0	-	-	-	-	-	22일

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 5월

요소 일 Date	Element N	북 NNE	북북동 NE	북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북북서 NNW
1	0.0	0.0	0.0	2.9	5.3	15.8	11.7	8.7	0.0	0.0	4.6	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	17.9	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	16.3	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	4.2	15.5	10.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	7.1	9.1	11.5	2.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	15.7	17.3	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	10.2	5.1	0.0	7.9	8.3	9.9	6.0	10.1	10.6	9.3	6.0	0.0	0.0	5.3	9.1
8	0.0	0.0	12.1	14.9	15.2	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	3.4	0.0	6.0	2.7	6.4	6.2	4.6	2.7	2.2	0.0	0.0	0.0	4.9	0.0	0.0
10	5.3	2.7	3.2	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.8
11	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.9	6.5	6.0	6.7	6.2	9.6	4.6	5.3
12	6.9	0.0	3.2	3.6	0.0	0.0	0.0	0.0	0.0	2.9	0.0	3.4	5.7	5.9	5.8
13	11.4	10.0	11.8	12.0	11.5	16.9	6.1	5.2	0.0	0.0	0.0	0.0	0.0	0.0	3.8
14	11.1	3.9	13.5	15.1	11.8	6.5	6.5	0.0	0.0	0.0	2.0	0.0	0.0	9.0	7.7
15	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1
16	6.4	2.8	0.0	3.8	0.0	0.0	0.0	0.0	4.5	2.5	5.5	7.1	4.7	8.3	9.5
17	12.9	14.1	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5
18	19.3	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
19	16.8	16.2	0.0	11.9	12.4	14.5	9.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7
20	6.3	4.6	9.3	15.0	15.2	16.9	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
21	6.8	0.0	15.5	5.4	31.2	35.7	17.2	4.1	2.8	4.0	0.0	0.0	0.0	0.0	6.5
22	0.0	16.8	19.2	19.3	33.8	37.7	33.7	0.0	0.0	10.3	0.0	0.0	0.0	0.0	14.2
23	16.6	17.0	0.0	0.0	0.0	0.0	0.0	16.1	13.4	7.0	8.0	9.7	11.2	0.0	16.0
24	0.0	0.0	0.0	18.5	16.2	18.6	14.2	0.0	5.7	0.0	0.0	0.0	6.1	11.8	13.8
25	0.0	0.0	16.4	13.9	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	13.0	12.4	11.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	6.3	6.5	3.9	11.4	8.8	4.5	8.7	7.7	3.7	0.0	0.0	0.0	0.0	0.0	6.8
28	5.7	19.0	14.3	12.8	9.7	3.0	5.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	17.4	16.2	13.3	8.0	6.7	0.0	0.0	0.0	4.8	4.5	0.0	0.0	4.7	3.5	9.3
30	24.8	22.0	20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9
31	16.9	21.0	19.9	16.6	11.9	15.7	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
월 Month	24.8	22.0	20.8	19.3	33.8	37.7	33.7	16.1	13.4	10.3	8.0	9.7	11.2	11.8	14.2

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 5월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		0	0	0	42	208	458	188	83	0	0	21	0	0	0	0	0	0
2		0	0	0	0	103	897	0	0	0	0	0	0	0	0	0	0	0
3		0	0	0	0	417	583	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	42	458	438	63	0	0	0	0	0	0	0	0	0	0
5		0	0	0	188	458	313	21	21	0	0	0	0	0	0	0	0	0
6		0	0	0	0	188	792	21	0	0	0	0	0	0	0	0	0	0
7		85	21	0	43	43	298	128	128	64	43	21	0	0	21	43	43	21
8		0	0	63	396	292	250	0	0	0	0	0	0	42	0	0	0	0
9		21	0	21	21	125	542	167	21	21	0	0	0	0	0	0	21	0
10		83	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		21	0	0	0	0	0	0	21	21	21	63	208	521	42	42	63	438
12		63	0	63	21	0	0	0	0	0	21	0	42	208	292	104	42	146
13		313	63	63	42	21	250	83	63	0	0	0	0	0	0	21	83	0
14		63	63	42	63	208	21	21	0	0	0	0	0	0	63	83	292	63
15		229	0	0	0	0	0	0	0	0	0	0	0	0	0	125	646	0
16		63	21	0	21	0	0	0	0	63	21	42	21	42	83	146	438	42
17		125	250	42	0	0	0	0	0	0	0	0	0	0	0	167	417	0
18		333	208	0	0	0	0	0	0	0	0	0	0	0	0	42	417	0
19		354	125	0	63	83	250	42	42	0	0	0	0	0	0	0	21	21
20		42	21	42	271	208	271	83	0	0	0	0	0	0	0	21	42	0
21		42	0	83	21	292	313	104	42	21	42	0	0	0	0	0	21	21
22		0	42	125	167	146	417	63	0	0	21	0	0	0	0	21	0	0
23		229	42	0	0	0	0	0	21	42	21	63	21	63	0	0	500	0
24		0	0	0	229	83	375	63	0	21	0	0	42	104	63	21	0	0
25		0	0	167	625	208	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	479	354	125	42	0	0	0	0	0	0	0	0	0	0	0
27		146	21	21	42	63	458	104	42	42	0	0	0	0	0	0	42	0
28		63	167	167	208	167	42	104	63	0	0	0	0	0	0	0	0	21
29		292	208	229	21	63	0	0	0	42	63	0	0	21	21	21	21	0
30		667	104	21	0	0	0	0	0	0	0	0	0	0	0	63	146	0
31		83	125	208	125	42	354	63	0	0	0	0	0	0	0	0	0	0
월	Month	108	49	62	106	130	221	54	20	11	8	7	9	30	21	32	108	25

89251 남극 세종과학기거(King Sejong Station)

1990년 6월

요소 Element	일 Date																															월 Month				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
기압 평균 Ave. Station	978	977	985	995	996	998	1001	1009	1009	992	982	997	995	994	997	984																				
최고 Highest	984	982	987	987	978	973	966	968	969	964	957	961	972	971	983																					
압 (hPa)	981	980	993	996	998	1000	1007	1011	1012	1003	995	999	997	995	1000																					
나타난 시간 Time	998	983	990	990	987	975	971	973	976	965	964	971	976	981	989																					
최저 Lowest	1730	0030	2130	0830	2030	1100	2200	2000	0230	0030	2400	0900	0030	0730	1630																					
Air Press.	0030	0830	2030	0030	0030	0030	0030	2230	0600	1000	0030	2400	1000	2300	2000																					
나타난 시간 Time	972	974	978	993	995	996	997	1007	1003	978	975	994	992	993	993																					
기온 평균 Average	966	976	983	982	973	969	963	958	961	962	953	954	967	965	975																					
최고 Ave. Maximum	0030	0830	0030	0030	0030	2130	0030	0030	2330	2400	0530	0030	2200	0030	0030																					
평균최저 Ave. Minimum	2000	0030	0030	1730	1330	1930	1900	0930	2000	0030	0030	0030	2030	0830	0530																					
온도	-3.2	-10.7	-8.9	-8.1	-3.1	-3.7	-7.3	-7.6	-3.1	-1.1	-2.2	-7.1	-3.6	-1.3	-1.7																					
최고 Highest	-0.3	-2.1	-3.7	-1.5	-0.5	-0.7	-0.9	-4.9	-2.7	-3.2	-10.4	-11.0	-4.6	-4.1	-2.2																					
나타난 시간 Time	-0.2	-7.3	-7.2	-3.3	-2.4	-3.1	-3.7	-5.6	-1.2	0.2	0.6	-5.3	0.0	0.2	-0.9																					
최저 Lowest	0.5	0.0	-2.0	0.1	0.3	0.6	0.6	-1.0	0.2	-0.8	-8.8	-8.8	-0.4	-1.8	-0.1																					
Air Temp.	1430	2330	0130	2330	0830	0030	0030	1400	2400	0200	1730	2100	0130	2200																						
나타난 시간 Time	1800	0300	1900	1800	1100	1630	1000	0830	2000	0100	0030	0030	2030	1700	0630																					
평균습점온도(Average Dewpoint Temperature)	-7.6	-13.2	-11.0	-11.0	-4.0	-4.5	-10.5	-9.5	-6.8	-2.6	-6.8	-8.5	-7.8	-2.5	-2.5																					
나타난 시간 Time	-1.6	-5.0	-5.8	-4.4	-2.1	-1.9	-4.3	-7.3	-7.2	-8.8	-12.2	-13.0	-12.0	-7.0	-4.8																					
기온습점온도(°C)	2400	1030	1830	0130	0030	1130	1600	0800	0030	0400	2400	1430	0130	1600	0400																					
나타난 시간 Time	0030	2000	0900	0030	0430	1430	2400	1630	0100	2400	0530	1000	0030	1000	1800																					
평균습점온도(°C)	-8.0	-16.1	-15.1	-14.7	-9.3	-10.2	-13.2	-12.5	-8.6	-6.2	-6.3	-11.7	-8.5	-6.3	-6.4																					
Average Dewpoint Temperature	-5.0	-7.0	-9.3	-7.6	-6.2	-5.5	-5.6	-12.2	-9.4	-9.4	-15.9	-17.1	-10.7	-10.4	-8.2																					

1990년 6월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month
강수량(mm)	0.3	2.0	0.7	-	-	0.2	-	-	-	0.5	2.0	-	-	0.0	-	-	3.9
Total Precipitation	-	-	0.0	-	0.0	-	0.0	-	-	-	0.0	0.0	-	0.0	-	-	-
평 균 Average	94.	93.	91.	89.	90.	88.	91.	93.	94.	94.	95.	94.	94.	94.	94.	95.	93.
대 소 Lowest	94.	95.	92.	93.	96.	97.	97.	86.	90.	94.	96.	92.	93.	91.	91.	91.	91.
최 소	90.	91.	89.	86.	85.	80.	86.	92.	92.	92.	90.	90.	90.	90.	90.	92.	66.
도	91.	89.	88.	89.	89.	91.	92.	66.	72.	90.	94.	86.	85.	75.	88.	88.	23일
(1%) 나타난 시간 Time	1430	0330	1900	1230	2330	0430	0430	1130	1400	2400	0230	1700	2330	0200	2200	2200	2200
R.H.	0530	1630	2200	0100	0230	1400	2130	1600	0530	1930	2200	2330	0200	2200	1430	1430	1430
평 균 24 hour ave.	4.9	14.8	13.6	7.2	7.3	7.2	6.1	1.8	5.2	7.8	11.0	4.6	3.3	7.7	5.0	5.0	8.4
바	16.4	5.0	3.6	10.5	12.3	8.9	12.7	13.4	13.5	6.9	13.9	4.4	7.6	7.9	9.0	9.0	NNW
합성 풍 향 Direction	E	E	ESE	ENE	NW	NNE	ESE	SSE	NW	N	ESE	E	ENE	NNW	NNW	NNW	NNW
람	NNE	NNW	NW	WNW	NW	N	NNW	WNW	NW	N	SSE	SE	NW	W	NW	NW	NW
(m/s) 풍	18.8	31.7	24.2	18.3	12.7	16.3	14.9	5.9	13.2	15.7	24.1	14.9	19.3	19.9	12.2	12.2	46.6
Wind	46.6	14.3	13.8	22.5	22.8	18.7	26.3	28.7	27.0	18.9	30.8	11.3	19.4	23.5	25.1	25.1	16일
나타난 시간 Time	ENE	E	ESE	N	NW	N	ESE	WSW	NW	NE	E	E	NNE	N	N	N	NNE
향 Direction	NNE	NNW	WSW	WNW	NNW	N	W	NW	NNW	ESE	SSE	ESE	WNW	W	NNW	NNW	NNW
Amount of Cloud	2330	0900	0800	2130	0400	2200	1500	0700	2000	1630	0700	0130	2230	0230	2130	2130	2130
폭풍설 시작 시간 Start Time	2000	0100	2330	1800	0930	1830	2300	0930	1200	2400	1100	0930	1200	2030	0630	0630	0630
평균(1/8)	7.0	7.5	5.5	5.8	6.3	7.5	4.3	4.8	4.3	6.5	6.3	1.3	4.5	6.5	4.5	4.5	5.9
Average Amount of Cloud	6.3	4.0	2.8	4.8	6.5	6.8	7.5	6.3	6.3	7.0	8.0	4.5	7.8	6.0	6.3	6.3	6.3
폭풍설 시작 시간 Start Time	1230																
Blizzard	1530																
Duration of Blizzard	0300																0800

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 6월

요소 일 Date	Element N	NNE	북 NE	북동 ENE	동 E	동남동 ESE	남동 SSE	남남동 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	
1	0.0	0.0	18.8	18.8	15.2	14.8	5.3	4.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	19.7	31.7	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	24.1	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	18.3	11.4	0.0	15.5	17.4	8.8	7.1	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	
5	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	12.7	11.2	
6	16.3	16.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	13.9	13.7	5.8	9.3	5.5	14.9	12.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	4.4	0.0	5.4	3.2	3.5	3.9	4.4	3.4	1.9	5.9	5.2	4.4	4.4	5.5	
9	3.7	3.4	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	4.8	8.1	11.8	13.2	9.6	
10	11.9	14.9	15.7	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	11.0	10.4	
11	0.0	0.0	0.0	19.0	24.1	21.9	0.0	6.1	8.3	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	2.9	9.6	12.8	14.9	14.7	12.6	9.0	3.3	0.0	0.0	0.0	0.0	2.6	4.7	
13	17.9	19.3	10.3	9.8	6.1	8.7	8.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	4.0	
14	19.9	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	9.8	
15	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	10.4	
16	24.5	46.6	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	
17	4.4	0.0	3.8	3.9	1.8	0.0	0.0	0.0	0.0	3.7	0.0	0.0	11.7	14.3	14.3	
18	3.9	3.7	3.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	13.8	13.2	8.1	7.2	4.7	
19	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	17.8	20.2	22.5	16.2	14.3	
20	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	11.7	22.5	22.8	
21	18.7	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	16.4	
22	24.0	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3	21.1	20.5	18.3		
23	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	26.2	28.7	25.5		
24	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	16.5	23.6	27.0		
25	13.4	5.6	0.0	4.9	13.7	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	16.0	
26	0.0	0.0	0.0	0.0	0.0	24.2	28.3	30.8	15.1	10.9	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	5.5	11.3	9.4	8.7	11.2	8.3	5.0	2.6	0.0	0.0	0.0	
28	5.6	0.0	3.6	5.0	3.9	0.0	0.0	0.0	0.0	9.5	0.0	16.5	19.4	16.9	19.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	4.9	5.8	5.7	7.1	6.1	23.5	19.6	13.3	0.0	
30	23.2	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	15.1	24.3	25.1		
월 Month	27.5	46.6	35.9	19.7	31.7	28.4	28.3	30.8	15.1	10.9	13.7	17.8	27.4	26.2	28.7	27.0

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 6월

요소 일 Date	북 N	북북동 NNE	북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정온 CLM	
1	0	0	167	333	188	146	63	63	42	0	0	0	0	0	0	0	
2	0	0	0	104	542	354	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	500	500	500	0	0	0	0	0	0	0	0	0	0	
4	313	21	0	104	354	63	42	0	21	0	0	0	0	0	0	83	
5	125	0	0	0	0	0	0	0	0	0	0	0	42	521	313	0	
6	333	646	21	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	21	104	21	146	63	417	125	104	0	0	0	0	0	0	0	0	
8	0	42	0	167	42	63	42	125	83	42	21	63	63	42	63	63	
9	21	42	0	63	0	0	0	0	0	0	0	188	229	354	83	0	
10	83	104	354	63	0	0	0	0	0	0	0	83	83	229	0	0	
11	0	0	0	125	188	604	0	21	63	0	0	0	0	0	0	0	
12	0	42	42	250	292	188	63	21	42	0	0	0	0	42	21	0	
13	83	125	125	146	188	104	42	125	0	0	0	0	0	0	21	42	
14	396	21	0	0	0	0	0	0	0	0	0	0	0	167	417	0	
15	271	0	0	0	0	0	0	0	0	0	0	0	0	63	667	0	
16	146	542	250	0	0	0	0	0	0	0	0	0	0	0	63	0	
17	21	0	21	42	21	0	0	0	42	0	0	0	104	458	292	0	
18	63	63	42	104	0	0	0	0	0	63	125	188	292	42	42	21	
19	21	0	0	0	0	0	0	0	0	21	104	292	333	188	42	0	
20	21	0	0	0	0	0	0	0	0	0	0	63	42	292	583	0	
21	646	83	0	0	0	0	0	0	0	0	0	83	21	146	125	0	
22	375	167	0	0	0	0	0	0	0	0	0	83	21	146	208	0	
23	83	0	0	0	0	0	0	0	0	0	0	729	83	63	42	0	
24	354	0	0	0	0	0	0	0	0	0	0	271	42	104	229	0	
25	125	21	0	83	63	167	0	0	0	0	0	0	188	354	0	0	
26	0	0	0	0	0	170	234	340	213	43	0	0	0	0	0	0	
27	0	0	0	0	21	479	292	21	63	21	63	42	0	0	0	0	
28	42	0	21	208	21	0	0	0	0	21	0	146	208	167	167	0	
29	0	0	0	0	0	63	125	21	42	42	42	417	146	104	0	0	
30	167	63	0	0	0	0	0	0	0	0	83	271	125	292	0	0	
월 Month	124	69	35	65	83	108	32	31	18	5	7	11	82	61	119	142	7

89251 남극 세종과학기지(King Sejong Station)

1990년 7월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	983	996	1003	994	982	976	992	990	980	971	973	984	996	1001	993		992
최고 Highest	992	1001	1009	1008	1008	992	994	1005	1001	998	996	997	997	986	978		980
압 (hPa)	988	1005	1007	1001	1001	992	996	993	986	974	979	994	999	1003	1001		1010
나타난 시간 Time	996	1007	1010	1010	1009	1008	1006	1007	1002	1000	1000	1000	1001	992	979		982
최저 Lowest	0030	2400	0800	0030	0200	2400	0530	1030	0030	0030	2300	2400	2330	1500	0030		2200
Air Press. 나타난 시간 Time	2330	2130	1500	0030	1700	0030	2330	0200	0030	2330	0130	2200	0400	0030	0630		2200
기온 평균 Average	981	982	998	989	956	956	988	985	973	970	970	978	994	998	987		956
최고 Highest	990	995	1007	1006	1006	976	978	1001	999	997	992	995	991	978	977		976
최저 Lowest	2130	0030	1700	1200	2200	0030	1930	2400	2400	0530	0030	0030	0030	0030	1600		5일
평균최고 Ave. Maximum	0030	0030	0030	2400	0030	2100	0030	2400	2330	0430	1100	0030	1930	2300	0130		0130
평균최저 Ave. Minimum	0.1	-3.7	-3.7	0.6	-0.1	-2.4	-1.7	-1.0	1.0	-9.9	-11.1	-6.1	-9.8	-10.8	-4.7		-5.4
온도 (°C)	-11.0	-12.7	-9.4	-5.5	-3.9	-3.5	-14.7	-10.5	-11.4	-3.2	-0.9	-2.3	-1.1	-1.2	-4.3		-7.0
최고 Highest	1.9	-0.5	1.4	2.7	1.1	-0.5	0.5	3.4	4.5	-6.6	-9.2	-4.3	-5.3	-4.6	-2.1		4.5
최저 Lowest	-8.9	-10.7	-5.4	-2.9	-1.6	0.0	-12.4	-6.2	-5.5	-2.2	1.0	-0.9	-0.1	-0.3	-1.3		-3.5
나타난 시간 Time	1000	0030	2330	0900	1200	0030	2000	2400	0400	0130	2400	1900	0330	2400	0630		2200
기온 (°C)	0630	2400	2330	2400	1300	1030	0800	2400	2400	2230	1330	0200	1700	0900	0230		2200
최저 Lowest	-1.4	-8.2	-10.1	-0.9	-1.7	-4.1	-3.3	-4.0	-6.9	-11.0	-12.2	-9.2	-13.5	-13.2	-10.7		-17.3
나타난 시간 Time	-12.6	-14.0	-11.6	-8.2	-7.8	-12.9	-17.3	-15.2	-14.4	-5.4	-2.5	-3.3	-2.8	-1.7	-9.2		-12.0
Air Temp.	0030	2400	0600	2400	1730	0330	0330	0800	2400	0900	1130	0030	2200	0230	2400		2400
평균습점온도 (°C)	2400	0930	0030	0130	2300	2400	2130	0300	1230	0030	0030	2000	0030	2330	2400		0630
Average Dewpoint Temperature	-4.7	-10.5	-10.4	-3.9	-6.0	-8.8	-7.6	-6.5	-4.4	-15.4	-17.6	-12.1	-15.8	-18.2	-9.7		-11.3
	-16.4	-19.3	-17.2	-11.9	-9.0	-9.1	-21.1	-17.5	-18.1	-9.6	-6.6	-7.5	-6.1	-6.7	-9.6		-12.4

1990년 7월

요소 Element	일 Date																															월 Month		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
강수량(mm)	0.0	-	-	-	0.0	0.0	-	0.0	5.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	
Total Precipitation	0.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
상 평 균 Average	96.	91.	92.	97.	91.	91.	90.	94.	94.	95.	93.	93.	94.	87.	94.	94.	93.	93.	95.	93.	93.	93.	95.	99.	99.	97.	97.	96.	96.	94.	94.	94.	94.	
습 소 Lowest	86.	85.	77.	94.	65.	84.	83.	91.	90.	93.	91.	90.	92.	72.	87.	87.	86.	85.	77.	94.	65.	84.	83.	91.	90.	92.	72.	87.	87.	86.	85.	77.	94.	
도 (1%)	0130	1000	1200	2030	1200	1030	1100	1700	1730	2200	2030	0100	2400	2130	0330	0330	0130	1000	1200	1030	1100	1700	1730	2200	2030	0100	2400	2130	0330	0330	0130	1000		
R.H.	2330	2400	1500	1530	2030	1030	2400	2100	1600	1630	0600	2030	2400	0930	1600	1700	1600	1630	0600	1630	1030	2400	2100	1600	1630	0600	2030	2400	0930	1600	1700	1600		
평 균 24 hour ave.	4.2	6.3	9.8	12.1	9.4	6.1	7.2	7.9	9.5	13.0	9.9	6.8	10.0	5.2	11.8	8.1	16.6	9.2	3.6	3.5	2.3	9.9	11.7	5.4	8.9	10.4	13.3	5.8	7.9	7.9	3.8	3.1	8.1	
바 합성 풍 향 Direction	NNW	W	NE	N	NNE	SW	NNE	E	NE	E	ENE	ENE	E	ENE	E	E	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E		
람 순 간 최 대 Greatest Gust	14.3	17.8	30.9	30.1	25.8	18.9	16.1	17.9	22.7	24.0	20.9	16.5	23.6	14.4	25.2	30.9	29.6	20.3	10.4	9.0	8.3	26.3	24.7	19.5	24.8	30.9	11.2	18.4	19.1	9.5	8.9	30.9		
(m/s) 풍 향 Direction	N	W	NNE	NNE	NE	SSE	E	E	E	ENE	ENE	NE	E	ENE	NE	NNE	N	E	ESE	ENE	NNW	NE	ESE	E	E	ENE	NE	E	ENE	NE	NNE			
Wind	1000	0600	1700	0500	1330	0300	2300	0130	2330	0200	0330	0600	1130	0030	0630	0630	0430	0230	0930	1500	0630	1730	0100	1700	0900	1630	1130	0500	1700	0400	0430	1600		
구름(1/8)	7.8	3.3	3.8	8.0	7.3	6.8	6.3	5.3	7.3	7.3	4.8	7.0	6.5	2.0	7.8	6.2	8.0	7.0	3.0	3.0	4.8	5.8	7.0	7.8	7.3	5.0	7.3	6.5	6.5	7.8	5.5	6.0	5.8	
Average Amount of Cloud	7.8	3.3	3.8	8.0	7.3	6.8	6.3	5.3	7.3	7.3	4.8	7.0	6.5	2.0	7.8	6.2	8.0	7.0	3.0	3.0	4.8	5.8	7.0	7.8	7.3	5.0	7.3	6.5	6.5	7.8	5.5	6.0	5.8	
폭풍설 시작 시간 Start Time																																		
Blizzard	2400																																	
계속 시간 Duration of Blizzard	3730																																	

요소 Element	일 Date												월 Month			
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15
수평면일사량(0.001MJ/㎡)	413	540	449	373	267	498	571	659	551	763	555	515	551	908	418	21355
Hor. Global Solar Rad.	408	525	1022	346	783	525	787	955	1417	948	1054	923	955	741	1059	876

눈 Snow (cm)	적설최심 Max. Depth Snow Cover.												116.0				
	신적설 합계 Total	1.0	-	0.0	-	1.0	7.0	-	1.0	-	10.0	-		2.0	5.0	-	20.0
최심 Max. Depth Fall	20.0	10.0	-	-	-	5.0	15.0	-	-	-	-	7.0	10.0	2.0	-	-	20.0
날 Date																	15/16일

관측못함(NO DATA AVAILABLE)

기상 현상 Meteor. Phenomena	관측현상												1				
	맑음 Clear	개임 Partly Cloudy	흐림 Cloudy	눈 Snow	비 Rain	진눈깨비 Sleet	안개 Fog	무 Mist	빙 Drift Ice	유빙 (Marian Cove/Maxwell Bay)	MC결빙	MC결빙		MC			
기상 현상																	
11		v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	1
19																	11
16																	19
4																	16
0																	4
8																	0
0																	0

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 7월

일 일 Date	북 N	북북동 NNE	북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북북서 NNW		
1	14.3	12.2	9.0	9.0	5.7	0.0	6.5	0.0	12.6	0.0	4.1	2.6	4.7	3.7	8.9	
2	0.0	2.9	0.0	3.6	6.0	3.4	5.4	7.5	0.0	13.8	13.6	17.8	14.0	8.1	7.0	
3	0.0	30.9	24.2	16.1	4.8	3.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	17.8	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	14.9	16.6	
5	17.8	25.6	25.8	20.6	25.0	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	
6	5.1	0.0	0.0	0.0	2.0	0.0	18.9	7.3	17.5	13.5	13.9	15.4	0.0	4.8	5.0	
7	12.9	10.1	13.4	11.1	11.6	11.2	0.0	0.0	0.0	13.3	12.8	11.1	9.9	7.3	7.3	
8	0.0	17.5	15.6	14.0	17.9	16.4	8.4	0.0	2.8	4.2	0.0	0.0	0.0	0.0	0.0	
9	18.2	21.0	11.3	11.2	22.7	21.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	24.0	23.4	23.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	13.1	20.9	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	16.5	15.3	16.0	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	12.0	19.7	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	4.2	13.6	14.4	11.7	3.6	2.0	5.8	0.0	4.6	0.0	0.0	0.0	0.0	0.0	
15	0.0	15.1	25.2	21.1	22.1	23.9	16.5	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0	
16	0.0	0.0	0.0	26.7	29.6	29.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	4.9	20.1	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	10.3	10.4	6.4	0.0	0.0	1.6	0.0	0.0	0.0	8.3	8.2	6.8	4.0	
19	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	7.7	5.5	8.1	9.0	6.3	6.9	
20	7.4	5.0	3.6	3.9	0.0	4.5	5.5	3.7	3.0	2.0	0.0	0.0	1.9	2.6	8.3	
21	10.7	23.1	26.3	2.4	2.2	25.7	4.2	3.2	4.3	4.8	4.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	13.8	13.7	22.9	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	12.6	12.1	10.7	9.2	0.0	5.1	0.0	4.3	4.6	0.0	4.4	4.5	0.0	0.0	0.0	
24	7.7	10.0	19.5	17.7	11.9	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	20.2	24.8	16.5	11.6	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	25.9	30.9	25.4	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	11.2	9.4	
29	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	15.3	12.9	10.9	
30	0.0	0.0	6.9	6.9	6.6	5.9	6.5	4.6	5.1	4.3	6.4	8.4	9.5	8.5	8.3	
31	3.8	3.8	0.0	2.1	7.1	6.1	7.8	5.9	0.0	1.7	0.0	8.9	8.8	7.6	2.6	
월 Month	25.9	30.9	26.3	26.7	29.6	29.1	16.5	18.9	7.5	17.5	13.8	13.9	17.8	19.1	14.9	16.6

동향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 7월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	북북 CLM
1	313	125	42	42	0	21	0	21	0	42	0	21	21	63	83	188	21
2	0	21	0	42	63	21	21	63	21	0	63	104	333	146	63	42	0
3	0	458	83	250	104	21	42	0	42	0	0	0	0	0	0	0	0
4	146	438	0	0	0	0	0	0	0	0	0	0	0	21	333	63	0
5	208	313	146	104	104	21	0	0	0	0	0	0	0	0	0	104	0
6	21	0	0	0	21	0	0	104	42	146	229	125	208	0	21	63	21
7	146	21	125	83	167	83	21	0	0	21	0	0	167	63	63	21	0
8	0	42	125	250	458	63	21	0	0	0	0	0	0	0	0	0	0
9	42	333	188	125	83	208	21	0	0	0	0	0	0	0	0	0	0
10	0	0	0	83	875	42	0	0	0	0	0	0	0	0	0	0	0
11	0	0	146	500	354	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	125	479	271	125	0	0	0	0	0	0	0	0	0	0	0
13	0	0	42	375	583	0	0	0	0	0	0	0	0	0	0	0	0
14	0	21	333	333	208	21	21	42	0	21	0	0	0	0	0	0	0
15	0	63	229	125	125	417	21	0	0	0	0	0	21	0	0	0	0
16	0	0	0	63	667	271	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	21	833	146	0	0	0	0	0	0	0	0	0	0	0
18	0	0	146	375	250	0	0	21	0	0	0	0	42	21	21	21	104
19	21	0	0	0	0	0	0	0	0	21	250	21	167	250	125	125	21
20	83	42	125	42	0	104	167	21	83	21	0	0	0	21	21	188	83
21	63	146	354	21	63	146	42	21	63	42	21	0	0	0	0	0	21
22	0	0	21	63	542	375	0	0	0	0	0	0	0	0	0	0	0
23	396	292	63	42	0	21	0	21	42	0	42	21	42	0	0	0	21
24	21	83	500	104	42	250	0	0	0	0	0	0	0	0	0	0	0
25	125	417	354	63	42	0	0	0	0	0	0	0	0	0	0	0	0
26	500	271	208	21	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	83	667	250	0
28	354	0	0	0	0	0	0	0	0	0	0	0	63	146	21	417	0
29	250	0	0	0	0	0	0	0	0	0	0	0	104	313	146	188	0
30	0	0	63	125	208	104	104	21	21	63	21	0	21	146	63	42	0
31	42	42	0	21	42	42	188	21	0	21	0	0	104	271	146	21	42
월 Month	88	101	110	121	197	81	22	11	11	13	20	11	42	50	57	56	11

89251 남극 세종과학기지(King Sejong Station)

1990년 8월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	월
기압 평균 Ave. Station	984	986	997	1005	1004	1001	993	1000	990	963	961	971	973	978	968	986	980
최고 Highest	962	970	957	955	966	994	986	983	986	965	970	974	973	981	992	986	986
압 (hPa)	985	991	1002	1007	1006	1002	998	1003	1003	976	969	978	979	983	973	986	1007
나타난 시간 Time	967	973	972	958	981	1001	1000	993	994	973	972	979	979	989	994	989	4일
최저 Lowest	1530	2400	2300	1200	0030	0630	0030	2030	0030	0030	0430	2230	0030	1500	0930	0030	989
Air Press.	2200	1900	0030	2300	2400	2130	0030	2330	0230	0030	1600	2230	0030	2400	1030	0030	981
나타난 시간 Time	981	982	991	1002	1001	998	989	996	975	954	953	958	965	970	961	984	951
기온 평균 Average	957	965	951	953	958	981	973	974	972	960	967	971	968	975	989	984	18일
평균최고 Ave. Maximum	0030	0400	0030	0030	2230	2230	1100	0130	2400	1430	1430	0030	2000	2400	2400	0830	984
평균최저 Ave. Minimum	0300	0030	1200	0030	0030	0030	2130	0030	2400	1230	0030	0030	1030	0130	0030	0830	18일
기온	-4.3	-3.4	-6.8	-3.3	-2.9	-6.4	-4.6	-0.3	0.9	-2.7	-4.0	-5.1	-1.4	-4.0	-1.1	-5.3	-5.3
(°C)	-3.4	-5.4	-1.3	-2.8	-12.9	-9.8	-1.6	-5.3	-3.8	-0.5	-7.6	-11.1	-4.4	-14.2	-14.0	-17.5	-2.1
최고 Highest	-2.8	-1.3	-4.9	-1.3	-1.4	-4.2	-2.7	0.7	2.5	2.3	-0.4	-2.7	-0.6	-0.8	0.1	2.5	2.5
나타난 시간 Time	-1.9	-3.5	0.6	-1.7	-8.8	-5.0	0.2	-0.7	2.3	2.5	-3.2	-7.2	-0.8	-8.9	-9.6	-10.6	9/
Air Temp.	2330	0630	2000	2130	0030	1130	1000	2400	0530	0130	1500	2400	2000	2400	0230	0030	25일
최저 Lowest	0300	0030	1230	0030	0330	2400	1500	0100	2130	0600	0100	2400	0900	0130	1230	0030	25일
나타난 시간 Time	-5.2	-5.6	-10.4	-5.7	-6.4	-8.1	-7.5	-3.0	0.0	-11.2	-9.3	-10.0	-3.2	-5.4	-2.5	-20.5	-20.5
평균슬점온도 (°C)	-5.6	-9.1	-6.5	-10.5	-15.3	-14.1	-5.2	-8.8	-7.3	-3.6	-9.5	-13.0	-9.2	-17.1	-17.0	-20.5	31일
Average Dewpoint Temperature	0600	2400	0830	0100	2330	1900	0030	0030	0230	2130	2330	0600	2330	0830	2400	2400	12.0
	2100	2300	0130	2400	2030	0200	0030	1530	0030	2300	1430	1000	2400	2200	0030	2130	-12.0
	-10.6	-9.6	-14.2	-10.0	-8.8	-12.8	-10.5	-5.8	-5.1	-7.6	-10.4	-12.0	-7.3	-12.0	-6.8	-24.4	-12.0
	-10.2	-14.0	-7.5	-9.4	-19.2	-17.7	-7.6	-12.5	-10.7	-5.7	-15.8	-19.2	-11.7	-21.3	-21.8	-24.4	-24.4

1990년 8월

요소 Element	일 Date		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		월 Month				
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	8월		31		Month																
강수량(mm)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80.0			
Total Precipitation	7.0	-	8.5	5.0	7.0	-	2.0	-	1.0	3.5	7.0	3.3	5.0	1.0	15.5	-	5.0	-	0.2	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0			
상대 습도	93.	85.	96.	93.	96.	90.	97.	92.	91.	98.	87.	88.	90.	92.	96.	89.	97.	93.	95.	96.	93.	92.	92.	96.	89.	97.	93.	93.	90.	92.	87.	87.	93.	93.	93.		
최소	90.	79.	84.	89.	93.	90.	90.	96.	85.	94.	89.	89.	91.	80.	89.	91.	80.	93.	85.	94.	89.	89.	89.	91.	80.	93.	93.	90.	92.	87.	87.	93.	93.	69.			
도	81.	74.	84.	88.	93.	79.	90.	87.	88.	94.	80.	72.	69.	74.	71.	89.	28일	88.	94.	80.	72.	69.	74.	71.	89.	28일	88.	94.	80.	72.	69.	74.	71.	89.	28일		
(1*) 나타난 시간 Time	0600	2130	0100	0430	2300	1200	0600	0030	0530	0530	1000	1500	0030	0330	1330	1300	2400	1200	1130	0600	1130	0730	1530	0030	1300	2400	1200	1130	0600	1130	0730	1530	0030	1300	2400		
R.H.	2030	1030	0130	1400	2400	1930	0300	1200	1130	0600	1130	0730	1530	0030	1300	2400	1200	1130	0600	1130	0730	1530	0030	1300	2400	1200	1130	0600	1130	0730	1530	0030	1300	2400			
바	5.0	5.8	3.7	6.3	4.3	3.4	5.8	8.0	16.2	8.2	10.0	5.8	10.7	11.0	9.3	9.0	9.0	8.0	16.2	8.2	10.0	5.8	10.7	11.0	9.3	9.0	9.0	8.0	16.2	8.2	10.0	5.8	10.7	11.0	9.3		
합성 풍향	WNW	W	SSW	W	NNW	E	ESE	NNW	N	NE	WNW	W	NNW	WNW	NNW	W	W	N	NE	WNW	W	NNW	WNW	NNW	WNW	NNW	W	W	W	W	W	W	W	W			
Direction	WNW	WNW	N	N	ENE	N	NW	W	N	NNW	W	WSW	W	W	ESE	E	E	N	NNW	W	NNW	W	NNW	WNW	NNW	W	W	W	W	W	W	W	W	W			
순간 최대 Gust	13.7	16.0	13.7	16.1	12.5	9.6	15.4	33.9	20.8	23.2	17.4	22.3	24.3	26.0	36.9	26.0	26.0	26.0	33.9	20.8	23.2	17.4	22.3	24.3	26.0	36.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0			
(m/s) 풍향	22.8	24.1	36.9	22.5	29.2	16.0	25.1	26.6	18.2	23.1	15.1	25.8	20.5	21.6	20.2	20.2	20.2	20.2	23.1	15.1	25.8	20.5	21.6	20.5	21.6	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2			
Direction	NW	SW	SW	WNW	NW	SE	ENE	N	N	NNE	W	W	SW	W	NNE	N	N	N	NNE	N	NNE	W	SW	W	SW	W	NNE	N	N	N	N	N	N	N			
Wind	2400	2100	0130	2230	0230	2230	0530	0400	1130	1300	1700	1130	2200	0500	0130	1300	2400	1500	2400	1000	1400	1900	1000	1100	1000	0130	1300	2400	1500	2400	1000	1400	1900	1000			
나타난 시간 Time	1630	0200	1100	2330	1300	0130	1400	1500	2400	1000	1400	1900	1000	1100	0130	1300	2400	1500	2400	1000	1400	1900	1000	1100	1000	0130	1300	2400	1500	2400	1000	1400	1900	1000			
구름(1/8)	7.5	3.5	5.5	7.0	7.0	1.0	7.5	8.0	7.5	7.8	7.0	3.5	8.0	5.8	4.0	6.0	6.0	8.0	7.5	7.8	7.0	3.5	8.0	5.8	4.0	6.0	6.0	8.0	7.5	7.8	7.0	3.5	8.0	5.8			
Average Amount of Cloud	5.8	3.8	7.5	6.3	8.0	4.5	7.8	4.0	7.0	8.0	3.3	4.8	6.3	5.5	3.5	8.0	8.0	4.0	7.0	8.0	3.3	4.8	6.3	5.5	3.5	8.0	8.0	4.0	7.0	8.0	3.3	4.8	6.3	5.5			
폭풍설 시작 시간 Start Time	1500		0400	2400																																	
Blizzard	1730		1400		2000																																
계속 시간 Duration of Blizzard	0230		1000		2000																																
Start Time																																					
End Time																																					
Duration of Blizzard																																					
Start Time																																					
End Time																																					
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1990년 8월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	92 2420	1319 2534	1249 1061	1204 2578	1301 2674	2424 2509	1533 1924	1383 3816	1146 2197	1628 2639	1734 3324	2288 4283	1617 3079	1837 3829	2586 4961	70937 3768
관측못함(NO DATA AVAILABLE)																
눈 Snow	관측못함(NO DATA AVAILABLE)															
최 깊 설 피 심 Max. Depth Snow Cover	관측못함(NO DATA AVAILABLE)															
신적설 합 계 Total	-	-	-	-	-	-	3.0	-	2.0	-	10.0	5.0	8.0	2.0	20.0	127.0
눈 최 심 Max. Depth Fall	20.0	-	5.0	8.0	20.0	-	2.0	-	-	-	-	-	1.0	5.0	-	10.0
날 Date	관측못함(NO DATA AVAILABLE)															
맑음 Clear																15/16/20일
개 임 Partly Cloudy	v	v										v		v	v	1
흐 립 Cloudy	v	v		v	v		v	v	v	v	v		v	v	v	13
눈 Snow																17
비 Rain	v			v	v		v		v	v	v		v	v	v	16
진 눈 개 비 Sleet																1
안 개 Fog																3
박 무 Mist																9
유 빙 Drift Ice (Marian Cove/Maxwell Bay)																1
Meteo. Phenomena																
유 빙 Drift Ice (Marian Cove/Maxwell Bay)																
MB																
MC																
MC결빙																
MB결빙																
MB/MC완전결빙																

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 8월

요소 일 Date	Element	N	NNE	NE	ENE	E	동 E	동남동 ESE	동남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서남서 WNW	북서 NW	북북서 NNW
1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	7.2	10.2	12.9	13.7	0.0
2		3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	14.2	7.7	11.4	13.3	12.9
3		0.0	3.0	2.1	4.7	0.0	4.0	6.5	5.2	3.7	12.1	13.7	6.8	5.9	7.8	0.0	5.3
4		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	11.2	8.5	8.2	16.1	15.7	0.0
5		0.0	2.7	0.0	4.6	5.4	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	5.7	10.3	12.5
6		0.0	0.0	6.9	8.1	8.6	9.4	9.6	8.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7		0.0	0.0	13.9	15.4	13.7	12.4	10.0	10.2	6.9	7.4	0.0	0.0	0.0	9.4	11.7	8.5
8		15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	15.3
9		33.9	31.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10		17.6	20.8	16.7	5.9	4.2	14.4	18.3	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	10.4
11		13.7	22.1	0.0	0.0	0.0	12.5	11.9	6.8	0.0	0.0	0.0	19.1	23.2	18.7	9.0	9.7
12		3.6	0.0	2.9	6.9	8.2	7.1	6.6	10.1	8.9	0.0	0.0	17.3	17.4	14.0	7.4	4.5
13		19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.3	17.6	17.1	22.2	16.3	17.4
14		13.9	23.1	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	24.3	10.1	8.1	8.1
15		20.5	26.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	13.7	12.9
16		17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	13.9	22.2	22.8	22.2	17.6
17		4.1	7.6	2.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	5.4	8.1	20.6	24.1	4.3	0.0
18		21.9	36.9	28.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3
19		19.8	17.9	8.3	0.0	1.7	22.5	16.5	0.0	0.0	0.0	0.0	6.4	11.3	0.0	10.4	13.6
20		0.0	19.5	29.2	27.4	22.2	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21		6.0	16.0	11.8	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	5.4	2.8	6.2
22		19.9	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	17.7	16.5
23		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	25.3	24.5	0.0	0.0
24		13.9	18.2	17.7	16.4	13.5	0.0	4.7	4.4	0.0	0.0	0.0	11.2	13.2	3.2	0.0	0.0
25		23.1	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	12.4	13.2	12.9
26		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1	15.0	8.9	0.0	0.0
27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	23.5	0.0	0.0	0.0
28		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	19.2	19.0	20.5	17.9
29		0.0	0.0	0.0	0.0	18.3	21.6	17.4	12.6	7.7	7.0	0.0	0.0	6.9	0.0	0.0	0.0
30		0.0	0.0	3.6	8.1	10.4	8.4	13.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31		0.0	0.0	10.1	11.2	19.9	20.2	0.0	5.6	4.3	0.0	4.3	0.0	0.0	0.0	5.2	0.0
월 Month		33.9	36.9	29.2	27.4	22.2	23.4	18.3	13.3	8.9	12.1	22.3	26.6	25.3	24.5	22.2	17.9

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 8월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		0	0	0	0	0	0	0	0	0	0	28	111	444	139	278	0	0
2		21	0	0	0	0	0	0	0	0	0	167	83	188	250	146	146	0
3		0	21	21	167	0	21	63	83	21	167	167	125	63	42	0	21	21
4		0	0	0	0	0	0	0	0	0	42	125	42	146	438	208	0	0
5		0	42	0	188	63	0	0	0	0	0	0	0	42	146	208	313	0
6		0	0	63	208	333	146	125	63	21	0	21	0	0	0	0	0	21
7		0	0	42	188	83	63	167	146	63	21	0	0	0	21	125	83	0
8		188	0	0	0	0	0	0	0	0	0	0	0	0	0	21	792	0
9		813	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		417	125	42	21	21	83	208	0	0	0	0	0	21	0	0	63	0
11		83	125	0	0	83	21	21	21	0	0	0	167	313	83	42	63	0
12		21	0	21	21	42	21	42	21	42	0	0	146	333	229	21	42	0
13		333	0	0	0	0	0	0	0	0	0	21	21	63	63	229	271	0
14		83	125	42	0	0	0	0	0	0	0	0	167	458	21	63	42	0
15		354	104	0	21	0	0	0	0	0	0	0	0	0	146	229	146	0
16		167	0	0	0	0	0	0	0	0	0	21	21	188	375	146	83	0
17		21	42	21	21	0	0	0	0	0	0	21	21	521	313	21	0	0
18		354	417	125	0	0	0	0	0	0	0	0	0	0	0	0	104	0
19		500	63	21	0	21	42	42	0	0	0	0	21	42	0	21	229	0
20		0	229	250	354	63	104	0	0	0	0	0	0	0	0	0	0	0
21		21	188	167	167	0	0	0	0	0	0	0	0	354	42	21	42	0
22		146	125	0	0	0	0	0	0	0	0	0	0	125	104	313	188	0
23		0	0	0	0	0	0	0	0	0	0	0	333	521	146	0	0	0
24		63	333	167	21	21	0	63	42	0	0	0	63	208	21	0	0	0
25		458	146	0	0	0	0	0	0	0	0	0	104	146	63	83	0	0
26		0	0	0	0	0	0	0	0	0	0	0	188	771	42	0	0	0
27		0	0	0	0	0	0	0	0	0	0	0	792	208	0	0	0	0
28		0	0	0	0	0	0	0	0	0	0	0	188	417	104	271	21	0
29		0	0	0	0	21	604	208	83	21	21	0	0	42	0	0	0	0
30		0	0	63	417	167	188	63	83	0	0	0	0	0	0	0	0	21
31		0	0	21	104	542	250	0	21	21	0	21	0	0	0	21	0	0
월	Month	131	74	35	62	45	52	33	18	6	8	19	80	178	92	77	89	2

89251 남극 세종과학기지(King Sejong Station)

1990년 9월

요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
기압 평균 Ave. Station	990	1004	1007	1014	1008	995	992	982	974	977	979	982	991	989	982	992	1004	1007	1014	1008	995	992	982	974	977	979	982	991	989	982	992	
최고 Highest	985	992	1015	1012	1000	996	993	1012	1002	996	987	982	992	977	963	984	1006	1009	1017	1015	1006	994	992	975	981	984	984	996	996	984	1018	
나타난 시간 Time (hPa)	991	1009	1018	1016	1006	1000	1009	1013	1009	999	992	987	995	988	970	2330	2130	2230	1700	0030	0030	1430	0030	0030	1730	2300	0030	1730	0030	1700		
최저 Lowest	2030	2330	1030	0030	0030	0030	2400	0600	0030	0030	0030	2400	1500	0030	0030	986	999	1006	1008	1004	988	989	975	972	973	977	980	982	978	981		
Air Press. 나타난 시간 Time	980	982	1009	1005	998	992	981	1009	998	990	984	978	987	970	956	0600	0030	0030	0130	1300	2330	0030	2100	0030	0030	1300	0030	2100	0030	30일		
기온 평균 Average	0430	0900	0030	2330	0830	2300	0400	0030	2000	2400	2330	1130	0030	2400	2400	-12.4	-7.7	-4.4	-2.6	-0.9	1.2	0.1	-0.3	-2.6	-4.0	-1.4	-0.5	-9.7	-3.9	-3.3		
평균최고 Ave. Maximum	-4.8	-6.8	-4.2	-1.6	-1.6	-3.5	-3.0	-5.6	-0.7	2.8	0.0	-0.5	-0.5	1.1	0.4	-3.2	-0.6	1.1	0.6	0.9	-0.9	-0.8	-3.8	3.8	5.4	1.9	0.0	2.1	3.0	2.7		
평균최저 Ave. Minimum	-7.5	-4.0	0.4	-1.2	0.9	2.9	2.5	0.7	-1.5	-1.1	-0.3	0.5	-5.2	0.8	0.3	2300	1100	1000	0430	0730	2330	0030	0330	2200	0530	1500	1430	0030	2130	1230		
온도(℃) 나타난 시간 Time	1400	1000	1030	2300	0230	1400	0500	0500	2300	1230	0330	0030	1430	1730	1100	-21.6	-12.2	-10.5	-6.1	-6.2	-1.9	-0.2	-3.0	-3.3	-7.5	-3.3	-5.2	-10.8	-9.5	-6.9		
Air Temp. 최저 Lowest	-7.2	-12.8	-9.3	-3.8	-4.6	-5.8	-6.8	-7.8	-6.2	0.6	-1.8	-1.4	-2.5	-0.3	-0.8	0230	0330	0330	2400	0030	0500	2330	1600	1800	0800	2400	0630	0030	2400			
나타난 시간 Time	0130	1830	0030	0100	2400	1930	0230	0200	0030	2400	1900	2200	0230	2400	2400	-20.3	-14.9	-11.6	-8.2	-6.6	-4.2	-5.0	-5.7	-8.8	-10.8	-7.6	-6.2	-17.8	-10.9	-10.2		
평균슬점온도(℃) Average Dewpoint Temperature	-12.8	-13.0	-11.8	-7.9	-7.4	-10.3	-9.4	-13.2	-8.2	-3.3	-5.3	-5.8	-7.2	-4.3	-5.0	-12.8	-13.0	-11.8	-7.9	-7.4	-10.3	-9.4	-13.2	-8.2	-3.3	-5.3	-5.8	-7.2	-4.3	-5.0		

1990년 9월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
강수량(mm)	-	-	-	-	5.0	3.0	-	-	-	-	-	1.0	-	-	1.0	25.6
Total Precipitation	8.0	-	-	-	-	-	3.0	-	-	1.0	0.1	3.0	-	0.5	-	-
상 평	90.	90.	91.	99.	98.	99.	100.	97.	95.	94.	96.	99.	90.	93.	92.	95.
대	89.	96.	91.	96.	98.	94.	93.	90.	88.	95.	98.	100.	93.	96.	96.	96.
습	83.	72.	51.	98.	69.	95.	97.	91.	93.	91.	90.	96.	83.	89.	74.	51.
도	76.	88.	70.	94.	92.	89.	74.	74.	62.	91.	94.	95.	89.	91.	91.	3일
(1%)	2330	0930	1000	1030	0200	0800	0030	1600	1100	1230	0830	2330	1400	0600	1300	
R.H.	1630	2300	1030	0200	1730	2230	2400	0030	0600	1300	0200	2330	0730	0130	1130	
평	5.0	4.0	5.4	6.1	9.1	8.0	7.3	5.2	5.5	8.2	10.4	11.7	7.8	11.6	6.9	8.2
바	10.1	9.5	6.9	9.2	8.0	10.1	9.5	6.4	11.9	11.8	11.1	7.3	7.4	11.5	3.4	
합성 풍향 Direction	S	NNE	NW	NW	NNW	N	NNW	W	W	WNW	WNW	NW	W	N	NNE	N
람	16.3	10.9	17.2	14.8	19.7	22.5	14.2	19.7	11.4	20.1	20.0	22.6	20.7	29.4	17.2	29.4
(m/s)	21.7	26.0	15.0	18.5	20.4	24.1	25.0	12.9	25.0	24.4	24.5	15.3	19.9	26.3	9.4	14일
풍	SW	NW	W	W	N	N	N	SW	WNW	NW	WNW	NW	W	NNE	NW	NNE
Wind	SW	ESE	NW	NW	N	WNW	N	NNW	N	N	N	WSW	NNE	NNE	NNW	NNW
나타난 시간 Time	1030	1400	2130	0130	0630	1230	0030	2130	1500	2400	2000	1300	0400	2130	0030	
	0830	1430	2100	0430	0200	2330	0230	1530	1500	2230	0800	2030	2400	0700	1730	
구름(1/8)	6.5	4.5	4.5	6.3	8.0	7.8	7.0	5.5	5.5	4.0	7.0	7.8	6.0	6.5	4.8	6.2
Average Amount of Cloud	1.0	7.3	6.0	7.8	6.3	7.3	6.5	5.3	5.8	6.5	8.0	8.0	3.3	7.8	6.8	
폭풍설 시작 시간 Start Time																
Blizzard																
계속 시간 Duration of Blizzard																

1100
1700
0600

0600

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 9월

요소 일 Date	Element N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1	3.2	0.0	2.6	6.8	6.3	6.6	11.4	11.3	7.4	14.9	16.3	10.8	9.7	6.9	2.0	0.0
2	7.9	6.9	5.1	4.9	8.7	4.8	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9
3	9.5	4.2	5.5	5.1	0.0	5.6	3.8	7.7	0.0	3.4	2.5	0.0	17.2	14.4	11.3	10.8
4	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	12.8	11.3	10.6
5	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	12.2	15.0
6	22.5	22.0	11.7	0.0	0.0	0.0	0.0	9.4	10.9	2.6	3.7	2.5	0.0	7.1	9.4	12.3
7	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	13.4
8	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	12.6	19.7	14.8	7.7	4.1	5.1	9.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	10.6	11.4	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1	18.1	20.1	0.0
11	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	20.0	18.2	19.8
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	16.8	22.6	14.1
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	13.6	17.4	20.7	10.1	11.3	0.0
14	28.3	29.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	13.8	16.2
15	17.0	13.4	12.1	6.5	4.8	11.7	12.7	0.0	0.0	0.0	0.0	0.0	13.4	0.0	17.2	14.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	17.0	15.2	9.0	6.6	0.0
17	10.4	0.0	12.1	18.1	21.6	26.0	25.4	0.0	4.0	3.9	0.0	5.9	3.5	9.1	8.5	7.9
18	3.6	3.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	13.5	13.2	15.0	12.1
19	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	18.5	15.9
20	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	12.5	12.6	15.3
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.3	24.1	13.3	14.7
22	25.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0	10.2	20.1	17.0	11.5	10.8	13.6	12.5	13.3
23	11.5	4.6	8.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	12.9
24	25.0	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	24.4	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6
26	24.5	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6
27	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	15.2	14.0	14.8	12.8
28	16.6	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	14.8	15.8	12.7
29	18.3	26.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	4.3	5.5	0.0	0.0	0.0	0.0	10.6
30	9.0	8.4	5.2	0.0	0.0	0.0	0.0	3.1	4.9	4.6	4.4	5.8	0.0	6.2	8.4	9.4
월 Month	28.3	29.4	12.1	18.1	21.6	26.0	25.4	11.3	10.9	20.1	21.7	17.4	22.3	24.1	22.6	19.8

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 9월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		21	0	21	146	63	83	42	63	42	146	229	63	42	21	21	0	0
2		104	42	104	250	42	21	63	0	0	0	0	0	0	0	250	104	21
3		21	63	83	104	0	21	21	21	0	21	21	0	208	292	63	63	0
4		21	0	0	0	0	0	0	0	0	0	0	0	104	146	313	417	0
5		479	0	0	0	0	0	0	0	0	0	0	0	0	42	146	333	0
6		396	146	63	0	0	0	0	42	21	21	21	21	0	42	63	167	0
7		104	0	0	0	0	0	0	0	0	0	0	0	0	0	104	792	0
8		125	0	0	0	0	0	0	0	83	63	229	146	21	42	104	188	0
9		0	0	0	0	0	0	0	0	0	0	0	167	438	396	0	0	0
10		0	0	0	0	0	0	0	0	0	0	0	0	229	646	125	0	0
11		42	0	0	0	0	0	0	0	0	0	0	0	104	583	229	42	0
12		0	0	0	0	0	0	0	0	0	0	0	0	83	83	729	104	0
13		0	0	0	0	0	0	0	0	0	21	83	104	438	146	208	0	0
14		250	313	0	0	0	0	0	0	0	0	0	0	0	63	188	188	0
15		146	21	83	63	21	167	125	0	0	0	0	0	83	0	42	250	0
16		0	0	0	0	0	0	0	0	0	0	375	333	229	42	21	0	0
17		125	0	21	104	83	292	21	0	21	21	0	42	21	146	63	42	0
18		63	42	21	0	0	0	0	0	0	0	0	104	104	83	479	104	0
19		292	0	0	0	0	0	0	0	0	0	0	0	0	83	333	292	0
20		313	0	0	0	0	0	0	0	0	0	0	0	42	208	208	229	0
21		0	0	0	0	0	0	0	0	0	0	0	0	229	375	271	125	0
22		104	0	0	0	0	167	0	0	42	250	208	63	21	63	21	63	0
23		229	21	42	104	0	0	0	0	0	0	0	0	0	0	104	500	0
24		604	396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		938	21	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0
26		354	229	0	0	0	0	0	0	0	0	0	0	0	0	63	354	0
27		250	0	0	0	0	0	0	0	0	0	0	21	146	63	146	375	0
28		188	21	0	0	0	0	0	0	0	0	0	0	146	208	125	313	0
29		271	604	21	0	0	0	0	0	0	21	42	0	0	0	0	42	0
30		250	83	21	0	0	0	0	21	42	42	21	63	0	42	250	125	42
월 Month		190	67	16	26	7	25	9	5	8	20	41	38	90	127	156	175	2

89251 남극 세종과학기지(King Sejong Station)

1990년 10월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	31	월 Month
기압 평균 Ave. Station	954	960	967	978	980	982	973	968	969	964	961	965	962	979	970		977
최고 Highest	975	988	971	974	976	981	979	986	991	995	979	981	991	994	991		992
나타난 시간 Time	957	965	975	982	983	984	982	971	973	970	968	968	968	985	982		999
최저 Lowest	987	991	976	976	978	983	983	987	996	999	983	988	995	998	995		994
(hPa)	0030	2000	2300	2000	2400	0330	0030	2130	0730	1830	2400	0030	2330	1830	0030		1230
Air Press.	2330	0500	0030	0930	1330	1100	2300	0700	2100	0630	0030	2400	2400	0630	1500		1230
기온 평균 Average	952	952	962	974	978	979	968	965	960	958	955	963	958	968	965		952
최고 Highest	965	975	967	970	975	977	977	983	986	983	973	974	988	988	986		990
나타난 시간 Time	1800	0030	0530	0030	1500	1300	1330	1130	2300	0130	0430	1200	1100	0030	1600		990
최저 Lowest	0030	2330	2130	0030	0430	0030	0900	0030	0030	2300	1730	0100	0030	2400	0200		0030
평균 Average	-0.2	-2.0	-2.0	-1.8	-4.3	-1.6	0.2	-1.4	-3.6	-2.8	-0.5	-1.1	-7.3	-7.7	-2.3		-1.9
최고 Highest	-4.1	-3.3	0.0	-0.5	-1.1	-2.4	-1.3	-2.4	-2.4	-2.7	1.4	-1.4	-1.0	0.0	0.5		0.9
최저 Lowest																	0.8
평균 최고 Ave. Maximum																	-3.8
평균 최저 Ave. Minimum																	
기온 온도 Temp.	1.4	-0.4	0.2	1.1	1.3	0.6	2.3	-0.3	-1.8	-1.1	0.7	1.9	-2.4	-4.0	-0.3		6.2
최고 Highest	-2.0	0.5	1.8	0.2	0.5	-0.4	3.1	-0.8	4.9	2.9	3.1	-0.2	6.2	2.1	1.4		28일
나타난 시간 Time	0200	1300	0830	1000	1600	1430	0930	0900	2400	2400	1530	1630	0030	2400	1130		2030
최저 Lowest	0030	2400	0230	0930	1430	1300	0830	1400	1200	2400	0030	1700	1100	1530	1230		2030
Air Temp.	-1.9	-3.9	-3.6	-4.3	-5.7	-5.1	-1.2	-3.6	-5.6	-4.7	-1.5	-3.3	-9.6	-10.1	-4.9		-10.1
최저 Lowest	-5.1	-5.4	-0.8	-1.4	-3.7	-5.1	-4.9	-3.1	-6.2	-4.7	-0.3	-2.3	-4.0	-2.3	-0.2		14일
나타난 시간 Time	2400	0300	1800	2400	0730	0030	0030	2100	0730	1800	0030	2030	2330	0500	0200		0600
최저 Lowest	0530	0430	1600	2100	2400	0430	0430	0230	0530	0500	2400	1930	0430	0230	0400		0600
평균 Dewpoint Temperature	-5.8	-7.3	-7.9	-8.6	-12.6	-7.6	-5.0	-6.6	-11.1	-9.9	-6.0	-7.3	-12.4	-13.8	-8.6		-8.2
최저 Lowest	-11.6	-10.5	-5.4	-5.6	-6.4	-8.4	-8.3	-9.6	-10.5	-10.5	-4.5	-8.0	-7.9	-5.8	-5.0		-4.8

1990년 10월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month

강수량(mm)	4.5	1.8	1.0	-	-	3.5	1.0	0.0	-	-	-	-	25.0	3.5	0.6	55.9
Total Precipitation	-	-	3.5	4.0	-	0.5	-	-	-	-	1.0	0.5	-	2.5	-	3.0

상대 습도	97	97	95	93	83	96	99	100	91	92	97	94	98	95	94	94
평균 Average	91	91	98	99	99	96	89	90	85	88	95	94	91	97	98	98
최소 Lowest	91	90	90	85	57	91	94	93	81	80	91	89	93	91	90	53
도	84	88	94	97	95	90	65	88	53	77	92	89	59	94	95	92
(1%) 나타난 시간 Time	0200	1100	0630	1600	1600	0400	0600	2300	1300	1700	0030	1630	0030	1530	1500	1500
R.H.	0430	1830	0230	0430	1530	1300	0900	1230	1200	1530	1530	1700	1130	1100	1530	2030

바람	6.0	6.2	4.7	5.2	5.2	6.3	10.4	7.7	11.1	10.6	10.9	5.9	18.3	8.1	9.5	8.1
평균 24 hour ave.	10.9	8.8	10.4	8.5	6.8	7.1	2.9	7.5	5.1	6.4	13.7	8.6	2.3	7.2	9.9	9.6
합성 풍향 Direction	NNE	NNW	ESE	S	WNW	N	N	NW	WNW	WNW	NNW	N	ESE	E	NW	NNW/N
순간 최대 Greatest Gust	13.4	12.2	13.5	12.9	14.0	19.1	22.2	13.9	26.1	25.2	27.4	18.1	35.1	22.9	27.4	35.1
(m/s) 풍향 Direction	19.2	24.4	22.2	17.3	14.6	14.4	9.6	14.4	11.7	21.2	26.4	16.4	5.8	15.4	21.4	20.6
Wind	N	SE	SE	W	W	NNE	N	NNW	N	W	WNW	N	E	ESE	NNE	E
나타난 시간 Time	1330	0130	1230	2100	0400	1330	1330	0100	2230	1400	1000	0300	1300	0530	0830	0830
	1430	2300	2300	0400	0800	1730	2400	1400	2000	2300	1530	0630	1730	1900	2400	0030

구름(1/8)	7.8	6.0	6.5	6.0	4.3	7.5	7.8	7.5	7.0	5.8	6.3	2.8	8.0	6.3	4.8	6.1
Average Amount of Cloud	7.0	4.5	7.8	7.8	7.0	6.0	3.5	4.5	2.0	6.0	8.0	5.2	6.0	6.5	7.7	5.3

폭풍설 시작 시간 Start Time

Blizzard 끝 시간 End Time

계속 시간 Duration of Blizzard

0100

0730

3030

1990년10월

요 소 Element	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		월 Month			
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31				
수평면일사량(0.001MJ/㎡)	7088	8665	7244	9773	11568	7485	6339	7026	6422	8452	9183	15114	6132	9266	12148	331411																		
Hor. Global Solar Rad.	9609	12153	6998	8461	9347	13089	17695	14080	20502	14944	8581	8890	14962	12478	10423	17394																		
눈 Snow (cm)	적 설 최 심 Max. Depth Snow Cover		관측못함(NO DATA AVAILABLE)																															
	신적설 합 계 Total	10.0	5.0	2.0	-	5.0	-	-	5.0	-	0.0	-	0.0	70.0	10.0	1.0	127.0																	
최 심 Max. Depth Fall	-	-	5.0	10.0	-	2.0	-	-	2.0	-	-	-	-	1.0	1.0	5.0	70.0																	
나타난 날 Date																																		
기상 현상 Meteorological Phenomena	맑음 Clear																																	
	개임 Partly Cloudy	v	v		v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v			
	흐린 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		
	눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		
	비 Rain																																	
진눈깨비 Sleet																																		
안개 Fog	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		
박무 Mist																																		
유빙 Drift Ice (Marian Cove/Maxwell Bay)																																		

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 10월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북북서 NNW
1	13.4	10.7	5.1	0.0	8.9	8.5	10.0	8.2	5.4	0.0	0.0	0.0	0.0	0.0	8.0
2	9.4	0.0	0.0	0.0	3.3	12.0	12.2	0.0	0.0	0.0	0.0	0.0	9.3	8.8	11.9
3	9.5	0.0	8.4	0.0	6.7	11.7	13.5	5.6	4.1	0.0	0.0	0.0	0.0	0.0	4.4
4	0.0	10.4	6.9	6.7	9.7	9.7	7.9	6.4	7.7	6.8	7.2	12.8	12.9	2.6	3.4
5	5.7	0.0	7.9	7.2	4.7	3.9	0.0	0.0	0.0	0.0	0.0	8.7	14.0	7.1	2.2
6	16.7	19.1	0.0	3.2	0.0	0.0	2.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	11.8
7	22.2	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1
8	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	11.8	12.5
9	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9	17.4	16.2
10	21.9	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	25.2	22.1	13.1
11	6.7	26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	24.9	23.2
12	18.1	0.0	7.9	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3
13	0.0	0.0	0.0	25.7	35.1	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	11.7	0.0	0.0	0.0	0.0	22.9	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5
15	21.8	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	13.2	15.1	15.2
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	19.2	15.1	0.0	0.0
17	13.2	24.4	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	12.8	10.5	10.4
18	18.9	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	16.6	13.0
19	14.5	7.6	5.5	0.0	7.8	9.9	9.0	10.2	10.4	0.0	5.1	7.0	6.9	17.3	15.1
20	11.7	0.0	3.3	0.0	12.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	14.6
21	14.4	0.0	0.0	10.0	13.2	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	10.7
22	0.0	0.0	3.6	2.3	2.4	0.0	6.4	5.0	5.5	6.3	6.4	9.6	6.1	6.6	6.6
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	14.4	9.7	0.0	0.0
24	0.0	0.0	0.0	7.7	11.4	4.4	0.0	6.2	0.0	0.0	6.2	3.8	10.4	11.7	6.0
25	8.3	19.8	21.2	14.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0	8.3	8.9	9.2	9.9
26	26.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	15.0	13.9
28	3.7	0.0	0.0	0.0	3.1	5.8	5.8	4.4	3.6	0.0	0.0	1.8	5.6	5.0	5.1
29	15.4	14.1	2.6	0.0	0.0	4.9	4.5	0.0	1.3	0.0	2.9	0.0	0.0	5.6	0.0
30	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	15.4
31	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	17.0
월 Month	26.4	27.4	21.2	25.7	35.1	32.4	13.5	10.2	10.4	6.8	18.9	19.2	25.2	27.4	24.9
															23.2

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 10월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남남동 SSE	남서 SSW	남서남서 SSW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM	
1	542	42	21	0	125	63	83	63	42	0	0	0	0	0	21	0	
2	146	0	0	0	21	188	63	0	0	0	0	21	83	188	292	0	
3	83	0	21	0	83	146	333	83	21	0	0	0	0	63	167	0	
4	0	63	21	42	104	146	21	63	104	42	63	208	21	42	21	0	
5	42	0	42	146	83	42	0	0	0	0	83	479	42	21	21	0	
6	313	125	0	21	0	0	0	42	21	0	0	0	0	125	354	0	
7	292	271	0	0	0	0	0	0	0	0	0	0	0	125	313	0	
8	104	0	0	0	0	0	0	0	0	0	63	292	188	354	0	0	
9	188	0	0	0	0	0	0	0	0	0	396	250	83	83	0	0	
10	146	21	0	0	0	0	0	0	0	63	354	229	63	125	0	0	
11	42	208	0	0	0	0	0	0	0	0	0	83	292	354	21	0	
12	396	0	83	125	0	0	0	0	0	0	0	0	0	333	63	0	
13	0	0	0	83	375	542	0	0	0	0	0	0	0	0	0	0	
14	208	0	0	0	0	479	104	0	0	0	0	0	0	0	42	167	
15	104	104	0	0	0	0	0	0	0	21	229	208	229	104	0	0	
16	0	0	0	0	0	0	0	0	0	250	521	229	0	0	0	0	
17	63	208	63	0	0	0	0	0	0	63	313	63	83	146	0	0	
18	271	63	0	0	0	0	0	0	0	0	0	146	396	125	0	0	
19	83	21	21	0	42	21	21	21	42	21	21	188	188	292	0	0	
20	63	0	21	0	104	83	0	0	0	0	0	83	354	292	0	0	
21	458	0	0	83	83	104	0	0	0	0	0	83	104	83	0	0	
22	0	0	21	21	83	0	125	42	104	83	125	63	42	125	21	63	
23	0	0	0	0	0	0	0	0	0	0	229	646	125	0	0	0	
24	0	0	0	104	271	21	0	21	0	21	42	83	271	63	63	42	
25	104	146	125	42	21	0	0	0	0	42	125	167	188	42	0	0	
26	833	0	0	0	0	0	0	0	0	0	0	0	0	167	0	0	
27	0	0	0	0	0	0	0	0	0	0	396	375	146	83	0	0	
28	21	0	0	0	21	188	125	125	63	0	21	63	42	125	167	42	
29	521	21	21	0	0	21	21	0	21	0	0	21	0	271	63	0	
30	354	0	0	0	0	0	0	0	0	0	0	0	0	354	292	0	
31	417	0	0	0	0	0	0	0	0	0	0	0	0	42	542	0	
월 Month	187	42	15	22	46	66	29	15	13	4	23	53	101	89	112	168	15

89251 남극 세종과학기지(King Sejong Station)

1990년 11월

요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month
기압 평균 Ave. Station	985	987	995	993	974	975	966	970	975	969	967	976	969	963	964		972
최고 Highest	961	961	968	957	964	965	965	969	979	972	975	980	976	971	981		997
압 (hPa)	966	970	973	965	966	971	972	979	982	976	977	986	986	977	983		3일
나타난 시간 Time	0030	2300	2230	0030	0030	1230	2330	0300	0600	0030	2400	1730	0030	0030	1700		
최저 Lowest	0030	2400	0630	2400	0200	2130	0030	2300	0700	2230	0300	2230	0030	2300	2100		954
Air Press.	979	980	993	984	967	964	958	966	970	964	962	972	962	961	960		20/21일
	955	957	956	955	954	954	956	958	971	968	972	972	967	968	977		
나타난 시간 Time	2300	0030	0030	2330	1830	2330	0900	1900	0030	0800	0600	0030	2330	0900	0030		
	1900	0030	2300	0100	0800	0530	1800	0030	2400	0330	1830	0030	2330	0030	0030		
기온 평균 Average	0.8	-1.8	-2.6	-2.7	0.8	-1.8	-0.5	-1.7	-1.3	0.2	0.1	-2.4	0.5	1.6	-0.2		-0.8
평균 최고 Ave. Maximum	-1.6	-1.6	-0.5	0.4	0.4	0.3	-0.3	-1.3	-1.7	-1.3	-1.9	-1.2	0.0	-0.3	-1.3		1.2
평균 최저 Ave. Minimum																	-2.6
온도 (°C)	2.5	-0.2	2.0	-0.2	2.6	0.4	2.3	0.0	0.0	0.8	2.0	-1.5	1.9	2.6	1.7		4.3
최고 Highest	1.0	0.8	1.3	0.8	1.8	3.4	2.0	4.3	-0.8	1.0	-1.2	0.6	2.7	0.7	0.0		23일
나타난 시간 Time	0430	1200	1430	2400	1330	2230	1430	1400	1200	2130	0430	0100	2400	1200	0030		
최저 Lowest	1630	1400	1930	0100	1500	0730	1500	1200	1030	1430	0730	1200	1830	0230	1300		
Air Temp.	-1.1	-3.4	-4.0	-5.0	-2.0	-3.4	-2.3	-3.9	-3.9	-2.6	-1.7	-4.0	-1.9	0.5	-1.3		-5.0
나타난 시간 Time	-4.3	-4.6	-3.0	0.0	-1.1	-1.1	-1.8	-3.2	-2.9	-3.3	-2.5	-2.5	-2.3	-1.6	-2.7		4일
	2400	2330	2200	0630	2400	0800	2300	0500	0600	0030	2400	0700	0030	1930	2100		
	2330	0300	0130	2000	2400	0030	2400	0500	2330	0030	0330	0200	0030	2000	2400		
평균습점온도(°C)	-4.7	-7.5	-9.4	-10.0	-4.2	-8.5	-6.3	-8.3	-7.8	-4.5	-5.5	-10.3	-4.8	-3.8	-6.2		-7.2
Average Dewpoint Temperature	-10.0	-9.3	-7.0	-4.4	-4.9	-5.5	-6.9	-7.2	-10.0	-10.1	-9.8	-9.2	-6.5	-5.8	-8.5		

1990년 11월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
강수량(mm)	-	-	0.5	-	-	-	-	-	-	3.5	-	-	2.0	-	-	16.7
Total Precipitation	-	-	3.0	-	-	-	-	3.0	-	-	-	-	2.5	1.2	1.0	-
상 평	98.	97.	91.	90.	98.	92.	97.	95.	95.	101.	97.	89.	99.	97.	96.	94.
대	82.	88.	94.	100.	98.	96.	94.	96.	87.	79.	89.	88.	94.	99.	93.	93.
습	95.	93.	72.	81.	92.	84.	89.	89.	89.	98.	90.	76.	89.	94.	91.	67.
도	67.	76.	74.	96.	94.	92.	87.	84.	75.	69.	83.	71.	89.	93.	79.	16일
(1*) 나타난 시간 Time	0430	2230	1430	0200	2400	0400	2000	0900	0700	0130	2330	2030	0030	1200	1830	-
R.H.	1630	1030	0700	2330	1300	1500	0730	1230	2200	1630	2100	1200	0400	1100	2300	-
바 평	11.5	6.9	4.1	8.7	17.9	11.7	7.1	8.1	10.5	12.0	10.6	9.9	16.5	12.7	9.1	9.2
합성 풍향 Direction	4.8	4.6	10.9	12.0	10.1	4.0	9.1	10.0	8.6	5.0	6.2	6.6	9.9	8.7	7.6	-
순간 최대 Greatest Gust	N	NNE	SE	NW	N	NW	NW	WNW	NW	N	NNW	WNW	N	N	NW	N
(m/s) 풍향 Direction	W	NNW	NNW	NNW	N	W	NNE	SSW	W	SW	W	W	N	N	W	-
Wind	21.5	18.5	11.0	24.3	33.8	25.2	18.2	14.3	19.8	20.8	19.9	15.9	33.1	26.5	22.0	33.8
나타난 시간 Time	11.5	15.8	21.7	19.0	24.1	14.9	20.3	20.7	18.8	15.6	15.0	12.4	28.1	19.0	13.0	5일
	N	N	ESE	NNE	NNE	NNE	N	NNW	W	N	N	WNW	N	N	NNE	NNE
	WNW	W	N	NW	NNE	W	E	SE	WSW	W	W	WNW	NE	SSE	W	-
구름(1/8)	2300	0030	0830	2330	1700	2330	0030	1330	0500	0700	0400	1400	1300	0100	0100	-
Average Amount of Cloud	0030	2400	2330	2100	0730	2400	1930	0230	0430	2400	0330	2130	1400	2100	1000	-
평균 시 작 시간 Start Time	7.5	7.0	6.8	6.3	7.8	7.0	4.2	7.2	5.5	8.0	4.8	7.0	8.0	4.3	5.0	6.2
평균 시 작 시간 End Time	4.0	4.3	6.7	8.0	6.7	7.0	6.0	6.5	5.0	3.8	7.3	3.5	7.3	7.8	6.8	-

현상없음(NO OCCURRENCE)

Blizzard
 Duration of Blizzard

1990년 11월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
수평면일사량(0.001MJ/㎡)	9618	8369	11319	9543	9140	11669	15624	11310	15330	8724	12848	9918	9027	21565	16176	376798	
Hor. Global Solar Rad.	21550	13913	12254	8411	12101	11397	7429	14070	10690	23020	8864	18955	10482	9396	14086		

관측못함(NO DATA AVAILABLE)

눈	적설 최대 심 Max. Depth Snow Cover	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)	관측못함(NO DATA AVAILABLE)
Snow	신적설 함 계 Total	-	-	2.0	-	-	-	-	-	5.0	-	-	-	-	-	-	-	26.0
(cm)	최 심 Max. Depth Fall 나타난 날 Date	-	-	3.0	-	-	-	5.0	-	-	-	-	3.0	5.0	3.0	-	-	5.0
맑	음 Clear																	0
개	일 Partly Cloudy						v	v	v	v	v	v	v	v	v	v	v	11
흐	림 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	19
눈	Snow			v	v	v	v	v	v	v	v	v	v	v	v	v	v	7
비	Rain																	2
진 눈	깨 비 Sleet																	1
안	개 Fog																	5
박	무 Mist	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	7
유	빙 Drift Ice (Marian Cove/Maxwell Bay)																	

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 11월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
1		21.5	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4
2		18.5	0.0	0.0	8.8	9.6	10.8	9.0	0.0	0.0	0.0	0.0	0.0	6.2	12.2	11.1	10.6	0.0
3		0.0	0.0	0.0	7.5	9.6	11.0	6.5	6.5	4.0	1.9	7.8	7.1	8.1	0.0	0.0	0.0	0.0
4		22.7	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	10.3	8.0	12.6	12.9	0.0
5		30.0	33.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.1	18.6	0.0
6		21.9	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	17.2	13.8	0.0
7		18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	11.3	10.2	14.8	12.6	0.0
8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	13.3	13.5	14.3	0.0
9		17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	16.2	17.6	19.4	0.0
10		20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	0.0
11		19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	13.6	19.2	0.0
12		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	15.9	14.8	0.0	0.0
13		33.1	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0
14		26.5	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15		21.7	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	14.9	11.1	13.5	0.0
16		0.0	0.0	0.0	4.8	0.0	4.0	0.0	0.0	0.0	0.0	3.2	3.0	11.1	11.5	2.7	0.0	0.0
17		6.3	0.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	15.8	8.1	4.5	5.6	0.0
18		21.7	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	17.8	17.8	13.6	15.5	0.0
19		17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	17.8	0.0
20		21.2	24.1	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	15.9	0.0
21		12.3	10.2	7.8	0.0	5.3	4.7	5.2	4.2	4.5	3.2	7.1	0.0	14.9	7.6	5.3	0.0	0.0
22		0.0	0.0	0.0	16.9	20.3	20.2	7.9	0.0	0.0	0.0	0.0	0.0	14.9	11.3	9.1	8.9	0.0
23		0.0	0.0	0.0	0.0	0.0	20.7	20.7	9.4	9.4	8.2	11.5	17.5	17.8	0.0	0.0	0.0	0.0
24		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	18.8	16.2	14.6	7.4	0.0	0.0
25		0.0	0.0	0.0	3.6	0.0	2.1	0.0	0.0	5.9	8.8	7.3	7.4	15.6	11.0	0.0	0.0	0.0
26		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.7	14.8	15.0	11.6	0.0	0.0	0.0
27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	9.9	0.0	11.8	12.4	0.0	0.0	0.0
28		21.2	27.0	28.1	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	9.8	8.6	0.0
29		17.2	15.7	0.0	0.0	4.1	0.0	0.0	19.0	11.4	8.4	8.8	0.0	0.0	0.0	6.9	11.6	0.0
30		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	13.0	12.0	0.0	0.0	0.0
월	Month	33.1	33.8	28.1	17.7	20.3	20.7	20.7	19.0	11.4	8.8	11.5	18.8	19.8	17.8	19.1	19.4	

풍향월 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 11월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		813	104	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0
2		104	0	0	292	42	167	21	0	0	0	0	0	63	208	83	21	0
3		0	0	0	83	63	396	42	21	42	21	167	104	63	0	0	0	0
4		229	42	0	0	0	0	0	0	0	0	0	42	333	63	208	83	0
5		417	500	0	0	0	0	0	0	0	0	0	0	0	0	63	21	0
6		83	125	0	0	0	0	0	0	0	0	0	0	0	583	63	146	0
7		63	0	0	0	0	0	0	0	0	0	0	21	250	146	292	229	0
8		0	0	0	0	0	0	0	0	0	0	0	0	188	417	313	83	0
9		83	0	0	0	0	0	0	0	0	0	0	0	354	167	208	188	0
10		604	0	0	0	0	0	0	0	0	0	0	0	0	0	0	396	0
11		438	0	0	0	0	0	0	0	0	0	0	0	21	813	167	396	0
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0
13		875	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		938	63	0	0	0	0	0	0	0	0	0	0	83	500	21	167	0
15		188	42	0	0	0	0	0	0	0	0	104	21	438	292	42	0	0
16		0	0	0	83	0	21	0	0	0	0	0	28	333	83	28	167	0
17		167	0	56	139	0	0	0	0	0	0	0	42	125	125	125	146	0
18		271	167	0	0	0	0	0	0	0	0	0	0	0	0	167	458	0
19		375	0	0	0	0	0	0	0	0	0	0	0	0	0	104	250	0
20		521	83	42	0	0	63	63	21	42	63	83	0	250	104	125	0	21
21		63	42	21	0	42	205	179	26	0	0	0	0	231	154	51	26	0
22		0	0	0	0	0	0	167	229	21	42	63	313	146	0	0	0	0
23		0	0	0	0	0	0	0	0	0	0	21	354	417	167	42	0	0
24		0	0	0	0	0	21	0	0	21	354	271	42	188	83	0	0	0
25		0	0	0	21	0	0	0	0	21	354	271	42	188	83	0	0	0
26		0	0	0	0	0	0	0	0	0	42	83	146	604	125	0	0	0
27		0	0	0	0	0	0	0	0	125	188	0	375	313	0	0	0	0
28		458	83	146	104	0	0	0	0	0	0	0	0	63	125	21	0	0
29		563	21	0	0	21	0	0	146	42	21	21	0	0	21	146	0	0
30		0	0	0	0	0	0	0	0	0	0	0	42	729	229	0	0	0
월	Month	244	46	8	27	11	33	13	7	6	23	34	39	171	159	78	102	1

89251 남극 세종과학기지(King Sejong Station)

1990년 12월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31	월 Month
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			12월
기압 평균 Ave. Station	983	985	984	978	981	991	995	995	982	975	969	989	988	983	983	983	983	987
최고 Highest	989	1001	1001	995	988	991	989	992	985	985	986	987	986	984	986	986	983	987
압 (hPa)	984	988	988	979	986	994	997	997	990	981	979	995	994	984	985	985	985	1006
나타난 시간 Time	995	1006	1005	996	992	992	990	994	993	989	988	992	992	986	987	987	987	987
최저 Lowest	1430	2100	0030	0030	2300	2400	2100	0030	0030	0430	2400	2100	0030	0030	2100	0030	2100	17일
Air Press.	2400	2200	0030	0030	0130	0330	2200	1600	0030	2030	0030	2030	0030	2200	0530	2400	2400	964
나타난 시간 Time	982	983	979	977	978	986	993	990	979	965	964	979	983	981	980	980	980	964
기온 평균 Average	0030	0030	2300	0400	0030	0030	0030	2330	1630	2330	0030	0030	2230	1600	0700	0700	1030	11일
평균최고 Ave. Maximum	0030	0030	2400	1600	0830	2400	0430	0030	2200	0030	2230	0030	1630	0030	2400	1030	1030	980
평균최저 Ave. Minimum	-0.6	-0.6	-0.3	0.0	-0.3	-0.9	-0.4	0.6	0.0	0.0	0.0	-0.3	-0.1	-0.6	-1.6	0.0	0.0	0.7
온도 (℃)	1.4	0.3	1.9	3.0	2.6	2.3	1.4	0.4	1.1	0.6	2.1	1.3	2.4	1.7	2.2	1.4	1.4	2.7
최고 Highest	2.3	1.4	1.3	2.1	2.5	1.0	2.0	1.3	0.5	0.4	3.1	3.2	0.8	-0.3	1.4	1.4	1.4	5.5
나타난 시간 Time	4.7	1.9	4.9	5.5	5.0	5.2	4.2	1.9	3.1	2.5	4.3	2.7	4.9	2.7	4.6	4.1	4.1	19일
Air Temp.	1030	1330	0800	1430	1500	1430	1300	1500	0030	1900	1330	0900	1200	1200	1600	1600	0400	0400
나타난 시간 Time	1400	1330	1900	1730	0130	1300	1800	0830	1000	1300	1230	1630	1030	1400	1830	0400	0400	0400
최저 Lowest	-2.8	-2.7	-2.1	-1.7	-2.0	-2.5	-3.6	-0.3	-0.7	-0.6	-2.8	-2.8	-1.6	-2.7	-1.8	-1.8	-1.8	-3.6
나타난 시간 Time	-0.2	-1.0	-0.2	1.5	1.0	0.8	0.2	-0.4	-0.3	-0.6	-0.4	0.0	0.4	0.9	1.0	0.0	0.0	7일
평균습점온도 (℃)	0130	0200	2330	0330	2300	0430	0230	0030	0830	1330	2330	0300	0230	0430	0030	0030	2200	2200
Average Dewpoint Temperature	0300	0400	0100	0300	2100	0200	2330	2200	0030	2230	0030	0200	0030	2400	0030	2400	2200	2200
평균습점온도 (℃)	-8.5	-8.3	-6.6	-6.8	-7.3	-8.8	-8.0	-5.8	-6.1	-6.1	-6.7	-9.0	-8.2	-9.6	-8.2	-8.2	-8.2	-6.0
Average Dewpoint Temperature	-5.7	-6.7	-5.4	-2.6	-3.5	-3.3	-4.3	-5.5	-4.5	-4.9	-4.4	-5.5	-3.6	-3.7	-3.4	-3.4	-3.8	-3.8

1990년12월

요 소 Element	일 Date												월 Month			
	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27		13 28	14 29	15 30
수평면일사량(0.001MJ/㎡)	23118	21760	14499	22310	16669	21676	18208	14523	9992	13342	16025	28854	21755	12330	18911	490522
Hor. Global Solar Rad.	21440	14240	13073	18824	7915	17123	13170	14066	10702	8506	13824	15075	10279	15291	14070	8952
눈 Max. Depth Snow Cover	0															
신적설 합 계 Total	-	-	0.0	2.0	1.0	-	-	-	-	2.0	0.0	-	-	-	-	6.0
Snow Fall 최 심 Max. Depth 나타난 날 Date	0.0	1.0	0.0	-	0.0	-	-	-	-	0.0	0.0	-	-	-	-	2.0
기상 현상	0															
맑음 Clear	v															
개임 Partly Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
흐림 Cloudy	v															
눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
비 Rain	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
진눈깨비 Sleet	v															
안개 Fog	v															
박무 Mist	v															
유빙 Drift Ice (Marian Cove/Maxwell Bay)	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC/MB	MC	MC	MC	MC	MC	MC

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1990년 12월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	W	WNW	W	NNW	NW	NNW
1		3.6	0.0	0.0	3.6	0.0	0.0	0.0	0.0	3.8	0.0	5.8	3.6	6.0	7.7	6.0	7.7	3.6	3.6	4.2	
2		0.0	0.0	2.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	5.8	8.9	8.9	8.9	8.9	3.8	3.8	3.2	
3		17.4	17.6	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	8.5	9.1	
4		7.6	3.0	6.0	4.6	2.7	0.0	0.0	2.6	0.0	2.8	2.5	0.0	0.0	0.0	0.0	5.3	6.5	6.7		
5		0.0	0.0	9.5	9.7	9.2	13.6	4.9	5.4	5.7	6.9	4.7	0.0	2.5	3.3	3.8	2.8				
6		1.8	0.0	0.0	0.0	8.8	11.7	0.0	0.0	0.0	0.0	12.4	10.0	11.4	10.3	3.7	0.0				
7		3.5	4.2	3.6	4.4	0.0	0.0	0.0	0.0	0.0	6.3	8.7	9.1	8.9	9.1	4.3	0.0				
8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	8.3	12.9	14.2	14.5				
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	14.6	14.2				
10		20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	18.0	14.1	15.7				
11		0.0	0.0	9.2	0.0	9.2	11.1	11.3	10.8	0.0	7.1	9.7	10.4	17.1	17.0	0.0	0.0				
12		0.0	2.6	7.5	8.7	9.3	7.6	8.9	9.0	9.5	3.7	0.0	0.0	0.0	1.7	0.0	0.0				
13		11.0	0.0	1.5	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	6.4	6.5	6.0	6.6				
14		0.0	0.0	7.8	9.5	8.3	5.3	6.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
15		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	14.3	14.0	0.0	0.0	0.0	0.0	0.0				
16		6.3	3.4	6.6	6.2	0.0	4.4	3.9	3.8	7.7	6.2	0.0	0.0	6.2	3.8	4.6	4.9				
17		2.6	2.0	7.2	9.3	10.8	11.0	0.0	0.0	6.9	0.0	0.0	5.3	6.6	0.0	2.1	0.0				
18		14.5	17.9	14.8	17.0	7.1	4.9	9.0	4.4	8.4	5.6	2.3	0.0	0.0	0.0	0.0	0.0				
19		0.0	0.0	0.0	0.0	0.0	3.5	2.8	4.9	6.2	6.8	5.1	6.8	8.6	6.6	5.1	7.0				
20		15.4	9.5	0.0	4.8	13.7	15.1	10.1	12.4	9.1	0.0	4.1	0.0	8.1	0.0	0.0	13.5				
21		14.0	0.0	0.0	0.0	0.0	0.0	4.8	5.1	5.1	4.5	4.5	4.4	0.0	1.3	2.7	10.7				
22		0.0	0.0	0.0	11.6	8.1	10.6	9.3	0.0	5.9	3.4	3.0	0.0	6.4	5.8	0.0	0.0				
23		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	4.7	5.7	15.3	15.3	6.6				
24		16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	17.4	16.8				
25		5.5	0.0	5.3	5.7	7.2	11.0	7.5	0.0	0.0	8.0	0.0	7.1	8.1	7.7	6.5	6.4				
26		13.2	12.6	3.1	6.4	4.3	7.0	2.9	0.0	4.9	2.2	2.1	0.0	0.0	3.7	0.0	6.6				
27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	12.9	16.5	13.4	10.4					
28		22.8	20.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1	15.7	12.7				
29		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	10.1					
30		14.4	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
31		17.5	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	12.2	10.7				
월	Month	22.8	20.3	14.8	17.0	13.7	15.1	11.3	12.4	12.9	14.3	14.0	11.0	17.1	18.0	17.5	16.8				

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1990년 12월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	북서 NW	북서 NNW	북서 CLM
1		125	0	0	42	0	0	0	0	42	0	21	146	104	292	83	146	0
2		0	0	21	83	0	0	0	0	0	0	21	83	292	208	63	104	125
3		646	83	0	63	0	0	0	0	0	0	0	0	0	0	63	83	63
4		21	21	64	85	43	0	0	21	0	21	21	0	0	85	319	170	128
5		0	0	104	146	83	125	63	125	104	63	21	0	21	42	42	21	42
6		21	0	0	0	104	271	0	0	0	0	229	104	167	83	21	0	0
7		21	21	21	104	0	0	0	0	0	21	63	250	354	104	42	0	0
8		0	0	0	0	0	0	0	0	0	0	0	21	42	146	625	167	0
9		0	0	0	0	0	0	0	0	0	0	0	0	0	250	604	146	0
10		146	0	0	0	0	0	0	0	0	0	0	0	188	479	63	125	0
11		0	0	21	83	188	146	0	42	83	63	313	42	0	0	0	0	0
12		0	21	83	188	83	250	104	125	21	0	0	0	0	21	0	0	21
13		292	0	42	0	0	21	0	0	0	0	0	0	83	292	125	104	42
14		0	0	83	500	229	63	21	104	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	128	404	468	0	0	0	0	0	0
16		63	21	188	42	0	63	63	42	146	21	0	0	63	42	146	104	0
17		21	21	125	229	354	83	0	0	21	0	0	21	104	0	21	0	0
18		83	63	167	42	42	21	42	42	333	42	21	0	0	0	0	0	104
19		0	0	0	0	0	70	47	71	118	119	71	119	190	142	23	23	4
20		478	21	0	21	65	130	86	65	21	0	21	0	43	0	0	43	0
21		313	0	0	0	0	0	0	21	83	167	83	83	0	21	21	83	125
22		0	0	0	125	104	417	125	0	104	21	21	0	42	42	0	0	0
23		0	0	0	0	0	0	0	0	0	21	21	21	21	458	417	63	0
24		167	0	0	0	0	0	0	0	0	0	0	0	21	125	688	0	0
25		42	0	21	21	21	229	63	0	104	0	42	104	125	104	125	0	0
26		292	146	21	83	42	42	42	0	42	42	0	0	21	0	146	42	42
27		0	0	0	0	0	0	0	0	0	188	438	333	21	21	0	0	0
28		354	104	21	0	0	0	0	0	0	0	0	63	292	167	0	0	0
29		0	0	0	0	0	0	0	0	0	0	0	104	458	438	0	0	0
30		604	42	0	0	0	0	0	0	0	0	0	0	0	42	313	0	0
31		292	63	0	0	0	0	0	0	0	0	0	63	417	167	0	0	0
월	Month	128	20	32	57	38	55	32	24	41	35	39	37	83	112	134	111	22

남극 세종기지 기상년보

ANNUAL WEATHER REPORT ANTARCTIC KING SEJONG STATION



1991

한국해양연구소 극지연구센터
POLAR RESEARCH CENTER, KORDI

89251 남극 세종과학기지(King Sejong Station)

1991년 1월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month
기압 평균 Ave. Station	988	989	988	987	992	991	983	983	986	980	973	984	987	997	1000	986	986
기압 최고 Highest	996	990	986	987	976	977	980	984	976	987	1001	996	986	982	978	978	978
기압 최저 Lowest	989	991	991	989	993	993	991	988	991	985	997	995	992	1000	1000	1002	1002
기압 나타난 시간 Time (hPa)	999	994	991	991	977	978	984	988	978	999	1002	1001	990	985	982	982	26일
기압 최저 Lowest	1230	2130	0030	2100	1100	0700	0430	2330	0600	2400	1700	0030	2300	1800	0030	0030	0030
기압 나타난 시간 Time	0030	0030	2400	0030	0007	0819	2200	0657	2327	2330	0800	0001	0025	0028	0003	0722	0722
Air Press.	986	988	984	986	989	987	971	973	979	977	985	976	985	992	998	968	968
Air Press. 나타난 시간 Time	992	985	984	977	975	968	975	974	974	977	999	990	982	979	975	973	21일
기온 평균 Average	0.7	2.3	2.9	2.5	1.6	3.0	2.8	1.3	3.5	3.4	3.1	5.1	2.1	1.0	1.6	2.2	2.2
기온 최고 Highest	1.4	2.6	1.8	2.8	1.3	1.3	1.0	1.8	1.9	1.8	1.6	1.8	2.6	2.2	2.4	1.9	1.9
기온 최저 Lowest	2.1	6.3	4.5	4.1	3.5	5.9	6.4	2.7	6.1	5.7	6.1	8.9	3.6	1.8	3.4	8.9	8.9
기온 나타난 시간 Time (°C)	2.9	4.9	2.5	5.6	3.3	3.4	3.6	6.4	2.7	5.2	2.9	2.7	3.2	3.4	3.5	3.1	12일
Air Temp.	2000	1230	0930	0030	1500	1530	0930	1230	1530	0900	2400	1130	0730	1330	1130	1523	1523
Air Temp. 나타난 시간 Time	1330	1600	0030	1330	0045	1024	1459	1101	1300	1849	1142	1822	1929	1347	1511	1523	1523
Air Temp. 최저 Lowest	-1.0	-0.5	1.2	1.5	-0.3	-0.1	0.1	0.1	1.3	1.9	1.6	1.8	0.5	0.6	-0.2	-1.0	-1.0
Air Temp. 나타난 시간 Time	-0.6	1.0	0.8	1.7	0.0	-0.1	0.0	0.6	0.5	0.5	0.2	0.0	2.3	1.3	1.1	1.0	1.0
평균습점온도(Average Dewpoint Temperature (°C))	-4.6	-4.5	-3.4	-3.1	-3.6	-3.0	-3.4	-4.2	-2.3	-2.5	-2.7	-1.2	-3.1	-5.5	-3.9	-3.1	-3.1
Average Dewpoint Temperature	-4.3	-2.5	-2.6	-2.2	-2.7	-3.4	-3.7	-3.9	-2.3	-3.8	-3.2	-2.4	-2.1	-2.4	-2.2	-2.7	-2.7

1991년 1월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	-	0.8	0.3	-	0.0	26.7	0.6	4.8	1.8	0.0	6.5	0.0	-	0.0	0.0	60.4	
Total Precipitation	0.0	0.2	0.0	-	8.8	0.0	2.8	0.6	4.9	1.6	0.0	0.0	-	0.0	0.0	0.0	
평 균 Average	100.	96.	98.	100.	100.	100.	98.	100.	100.	100.	100.	98.	100.	97.	100.	96.	
최 소 Lowest	99.	82.	94.	100.	100.	91.	90.	100.	99.	95.	98.	88.	100.	90.	94.	67.	
도 나타난 시간 Time	2100	1330	0430	0430	0430	1530	1030	1030	1600	0900	2400	0430	0430	1500	1930	87. 23일	
R. H.	0030	1630	1630	1630	2400	1152	2248	2400	1258	1848	1122	0558	2211	2010	1326	0233	
평 균 24 hour ave.	3.1	4.7	8.1	10.2	6.8	10.1	5.2	10.1	11.6	10.9	8.5	11.7	10.0	7.0	2.2	8.0	
바 합성 풍 향 Direction	7.0	7.4	9.7	5.1	6.7	5.7	3.1	8.4	7.7	6.0	6.0	10.4	11.4	11.7	11.1	9.9	
람 순간 최대 Greatest Gust	NW	N	N	N	NW	N	NE	NNW	N	N	NW	N	NNW	NNW	NW	NNW	
(m/s) 풍 향 Direction	NW	NNW	NW	N	N	E	WSW	NW	NW	E	NW	NNW	NNW	NW	NW	NNW	
Wind 나타난 시간 Time	7.8	14.5	20.2	19.8	14.6	22.7	16.7	17.7	24.2	21.3	18.9	25.0	20.0	13.3	8.7	25.0	
	12.9	15.6	15.4	12.6	14.4	11.7	10.9	19.5	18.1	15.4	12.0	19.3	18.4	20.0	20.9	21.3	
	NW	NNE	N	N	NW	NNE	N	NNW	N	N	NNE	NNE	NNW	N	N	NNE	
	N	N	NW	ESE	N	ESE	SW	NNE	NNW	E	NW	NNW	NNW	N	NNW	N	
Wind 나타난 시간 Time	0330	1300	2330	0130	0530	1830	0100	0200	1830	1400	2400	0100	1200	1430	2300	2300	
	1630	1530	1830	1900	0053	0534	2058	2205	0128	1029	0253	1836	1720	1835	1243	1535	
구름(1/8)	6.4	6.8	6.6	7.6	6.2	7.0	7.8	7.8	7.6	6.8	6.0	8.0	8.0	7.2	8.0	7.3	
Average Amount of Cloud	7.8	6.6	7.6	7.6	8.0	7.6	7.8	7.2	7.8	5.4	7.4	7.8	8.0	7.8	7.2	8.0	
폭풍설 시작 시간 Start Time																	
Bliz- zard 끝난 시간 End Time																	
계 속 시 간 Duration of Blizzard																	

현상없음(NO OCCURRENCE)

1991년 1월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 31 Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	20545 9848	15179 15464	17056 8633	12139 16015	17630 7206	22871 16627	9461 8554	14785 15405	12873 7758	16351 22510	23601 12887	9736 7651	9702 4932	7922 8726	10053 15301	406216 8795
눈 Max. Depth Snow Cover	0															
Snow (cm)	-															
신적설 합 계 Total	-															
눈 최 심 Max. Depth Fall 나타난 날 Date	-															
기 상 현 상	0															
맑 을 Clear	-															
개 임 Partly Cloudy	-															
흐 림 Cloudy	-															
눈 Snow	-															
비 Rain	-															
진 눈 깨 비 Sleet	-															
안 개 Fog	-															
박 무 Mist	-															
유 빙 Drift Ice (Marian Cove/Maxwell Bay)	-															
Meteo. Phenom ena	-															

풍향별 최대풍속 Maximum wind speed for direction (unit : m/s)

1991년 1월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북북서 NNW
1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.8	3.3	3.7	6.4	7.8	7.8
2	14.2	14.5	11.8	2.4	0.0	0.0	0.0	3.0	5.0	5.3	1.7	1.6	2.5	1.9	3.6
3	20.2	19.0	9.5	0.0	0.0	0.0	0.0	5.3	0.0	0.0	5.1	0.0	0.0	12.8	14.7
4	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8
5	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	6.3	14.6
6	20.6	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.8	8.5	10.1
7	16.7	6.5	0.0	7.3	7.4	7.6	4.5	7.5	4.3	4.1	0.0	14.8	10.5	0.0	0.0
8	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	17.7	14.8	14.3
9	24.2	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	13.5
10	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1	13.5
11	17.3	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	13.6	10.2
12	19.4	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0
13	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	13.4	20.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	12.4	8.8	5.5
15	3.0	0.0	2.1	0.0	0.0	0.0	0.0	6.5	5.9	6.4	1.9	8.7	5.0	5.0	6.0
16	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	10.6	12.6
17	15.6	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	5.0	7.9	7.8	10.8
18	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	15.4	13.6
19	8.2	0.0	7.0	8.5	8.7	12.6	6.8	6.7	3.5	4.2	3.5	3.5	0.0	10.8	11.7
20	14.4	6.9	0.0	0.0	0.0	8.8	0.0	0.0	0.0	9.8	0.0	0.0	0.0	13.2	14.2
21	0.0	0.0	0.0	8.7	11.5	11.7	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	3.5	3.5	0.0	5.4	2.9	3.9	5.8	5.4	3.9	3.1	10.9	10.5	8.4	3.0	1.7
23	13.7	19.5	18.2	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	8.2	12.4	13.0	11.4
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1	14.9	12.3
25	4.4	0.0	6.9	14.4	15.4	13.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	7.3	7.4
26	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	12.0	10.2
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9	19.3
28	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	18.4
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	19.7	19.1	19.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	19.2	16.5
31	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	13.3	15.8

월 Month 24.2 25.0 18.2 14.4 15.4 13.3 9.6 7.5 6.5 9.8 10.9 10.5 20.0 20.9 19.2 20.0

풍향별 관측횟수의 백분율 Rate of frequency for wind direction (unit : 0.1%)

1991년 1월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	경 CLM	
1	55	0	0	0	0	0	0	0	20	0	104	145	62	62	312	240	0	
2	104	395	83	41	0	0	0	0	62	83	20	20	20	49	20	41	62	
3	337	229	83	0	0	0	0	0	20	0	0	20	0	0	145	166	0	
4	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	166	0	
5	269	0	0	0	0	0	0	0	0	0	0	0	0	250	104	379	0	
6	482	208	0	0	0	0	0	0	0	0	0	0	41	20	62	187	0	
7	360	20	0	83	83	166	41	62	41	0	41	0	41	62	0	0	0	
8	171	0	0	0	0	0	0	0	0	0	0	0	62	41	208	520	0	
9	585	166	0	0	0	0	0	0	0	0	0	0	0	0	20	229	0	
10	751	0	0	0	0	0	0	0	0	0	0	0	0	0	62	187	0	
11	189	41	0	0	0	0	0	0	0	0	0	0	0	229	479	62	0	
12	287	562	0	0	0	0	0	0	0	0	0	0	0	0	0	151	0	
13	292	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	312	0
14	0	0	0	0	0	0	0	0	0	0	0	0	479	354	41	125	0	
15	81	0	62	0	0	0	0	0	145	187	41	20	125	62	83	132	62	
16	23	0	0	0	0	0	0	0	0	0	0	0	0	148	297	531	0	
17	583	0	20	0	0	0	0	0	0	0	0	20	20	62	83	211	0	
18	43	0	0	0	0	0	0	0	0	0	0	0	0	83	604	270	0	
19	65	0	21	86	43	217	21	21	21	21	21	21	21	0	152	269	0	
20	502	62	0	0	0	62	0	0	0	20	0	0	0	0	250	104	0	
21	0	0	0	125	375	437	62	0	0	0	0	0	0	0	0	0	0	
22	85	21	0	85	21	21	106	85	42	42	63	148	63	21	21	170	0	
23	110	145	62	0	0	0	0	0	20	20	0	41	375	104	62	83	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	62	458	479	0	
25	62	0	24	62	291	229	41	0	0	0	0	0	0	0	125	166	0	
26	62	0	0	0	0	0	0	0	0	0	0	0	187	479	272	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	291	708	0	
28	83	0	0	0	0	0	0	0	0	0	0	0	0	0	458	458	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	41	270	250	437	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	291	583	125	0	
31	250	0	0	0	0	0	0	0	0	0	0	0	0	41	312	395	0	
월 Month	215	60	11	15	26	35	10	5	11	11	9	14	44	80	204	245	4	

89251 남극세종과학기지(KARP)

1991년 2월

요소 Element	일 Date																															월 Month			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
기압 평균 Ave. Station	977	986	987	980	995	1005	1011	1009	1005	1001	994	990	994	992	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991		
최고 Highest	997	992	988	983	985	982	983	979	984	981	984	988	991	995	999	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012		
압력 나타난 시간 Time (hPa)	1001	994	992	986	986	984	987	988	988	987	987	993	992	995	999	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012	1012		
최저 Lowest Air Press. 나타난 시간 Time	2357	2355	0653	2359	2400	2400	1736	0024	0041	1122	0059	2356	0723	1202	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400		
기온 평균 Average	0913	1818	0023	0005	0105	0056	0601	2138	0158	2359	0013	2322	0136	985	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982		
최고 Highest	973	982	977	977	988	1000	1010	1007	1002	997	985	984	989	985	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	
최저 Lowest	988	988	986	980	983	980	977	970	978	975	980	988	988	988	988	988	988	988	988	988	988	988	988	988	988	988	988	988	988	988	988	988	988	988	
평균최고 고 Ave. Maximum	0106	0122	2136	0124	0022	0023	0237	2400	2400	2257	2326	0356	1802	2357	0414	2357	0414	2357	0414	2357	0414	2357	0414	2357	0414	2357	0414	2357	0414	2357	0414	2357	0414	2357	
평균최저 저 Ave. Minimum	2356	0202	2309	1256	1323	1251	2359	0527	2400	0302	2344	0123	1758	0123	0414	0123	0414	0123	0414	0123	0414	0123	0414	0123	0414	0123	0414	0123	0414	0123	0414	0123	0414	0123	
온도 (°C)	2.3	2.0	1.8	-0.3	1.6	0.0	0.7	1.2	2.8	4.4	4.1	2.0	2.3	2.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
최고 Highest	2.3	2.5	1.3	-1.2	-0.1	-0.7	-2.5	-1.5	0.1	-3.0	-2.0	-2.6	1.5	2.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
최저 Lowest	3.3	3.3	5.2	1.0	5.2	1.1	1.6	2.9	5.2	5.5	6.1	3.9	5.4	4.1	2.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
나타난 시간 Time	4.0	3.9	3.1	-0.5	0.6	0.8	-0.9	-0.7	3.5	-1.9	-0.3	-0.9	4.2	2023	1045	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	
최고 Highest	1515	1449	1005	0331	0759	0933	1750	1601	1352	2394	1755	0021	1253	2023	1045	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	
최저 Lowest	1920	1622	0459	1801	1447	1521	1508	1618	1333	1640	1028	1625	1711	2023	1045	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	
나타난 시간 Time	1.6	1.0	0.0	-1.4	-0.7	-1.1	-0.6	-0.3	0.3	3.4	3.0	1.1	0.4	1.9	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
평균습윤도 (°C)	1.0	1.8	-0.8	-2.1	-1.1	-4.4	-4.7	-2.3	-2.7	-3.9	-2.7	-4.1	-1.6	1.9	1.0	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	
Average Dewpoint Temperature	2357	2358	2359	1856	2359	0337	0115	0302	0103	0849	0633	2400	0158	1553	2103	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	
평균습윤도 (°C)	0435	0747	2400	0548	0019	2348	0345	0004	2400	0923	2400	0627	0001	1553	2103	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7	
Average Dewpoint Temperature	-2.8	-3.1	-3.6	-4.3	-5.0	-6.9	-5.5	-4.6	-2.3	-0.4	-0.5	-2.4	-2.1	-2.0	-2.6	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3
Average Dewpoint Temperature	-2.1	-1.7	-2.7	-5.1	-3.9	-5.1	-8.6	-7.0	-5.3	-8.2	-8.3	-9.8	-4.1	-2.0	-2.6	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	-4.3	

1991년 2월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	-	0.0	3.4	8.5	-	0.0	-	-	-	0.0	2.3	1.2	0.4	0.1	1.5	88.6	
Total Precipitation	6.5	15.3	12.4	19.4	2.3	3.6	1.6	3.0	1.2	5.8	0.0	-	0.1				
상 평	84.	85.	84.	102.	75.	73.	77.	79.	84.	88.	89.	95.	95.	93.	96.	89.	
대 습	95.	96.	97.	102.	104.	104.	84.	86.	87.	97.	88.	75.	86.				
소 도	77.	79.	57.	100.	53.	61.	66.	71.	71.	81.	78.	80.	83.	84.	88.	53.	
(1*) 나타난 시간 Time	1521	1451	1002	2400	1603	2356	0021	0917	1651	0025	1756	1559	1249	2016	1830	5일	
R.H.	1920	1627	1420	0819	0249	2355	2319	1826	1333	2354	2332	2224	1129				
평	11.7	10.6	9.7	13.2	3.8	4.8	3.2	3.4	2.4	8.4	15.4	7.8	8.5	9.9	8.0	8.2	
바	9.0	5.2	8.1	10.8	6.7	7.0	6.3	7.9	6.1	14.2	8.9	8.8	9.8				
합성 풍향 Direction	NNW	NW	E	ESE	SE	E	NW	N	ESE	N	NNE	NW	NW	NW	NW	ESE	
람	19.5	17.5	31.2	24.9	15.9	12.4	6.5	9.0	11.7	23.0	27.2	22.8	17.8	18.0	15.7	33.0	
(m/s) 풍	19.8	16.6	25.0	25.6	14.6	16.9	15.4	24.7	26.9	33.0	23.7	25.7	16.4			25일	
향 Direction	NW	NNW	ESE	SE	ESE	ESE	W	N	NNE	NNE	NNE	NNE	NNW	NW	NNW	ESE	
Wind	1205	0936	2024	1750	0022	1542	1425	0917	1709	2239	1749	0001	1400	0445	0254		
나타난 시간 Time	1918	0149	2014	0640	0558	2335	0017	0423	2235	0245	2354	0117	0548				
구름(1/8)	7.0	4.0	6.8	8.0	1.8	7.0	7.6	4.0	7.6	7.4	8.0	8.0	7.8	7.8	7.4	6.9	
Average Amount of Cloud	8.0	7.6	8.0	8.0	7.2	7.4	8.0	4.4	7.6	7.2	7.6	5.2	5.8				
폭풍질 시작 시간 Start Time			1450	1010					0350	1840							
Blizzard			1940						1240	1840	1240						
종료 시간 End Time				0140/1840													
계속 시간				1840													
Duration of Blizzard				1050/0830					0850	1800						6910	
				2300													

1991년 2월

요 소 Element	일 Date												월 Month			
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	16593	21570	15120	5923	23608	10551	10773	20394	13232	9125	7169	6855	7404	7189	6096	304427
	9795	10564	4146	1967	9578	8427	9593	13933	6584	9489	8446	17376	12927			
눈 Snow	적 설 최 심 Max. Depth Snow Cover															
(cm)	3.0 13.0 5.0 58.0 60.0 60.0 32.0 26.0 27.0 27.0 21.0 34.0 29.0 22.0 15.0 0															
신적설 합 계 Total	-															
눈 Snow	-															
최 심 Max. Depth Fall 나타날 날 Date	-															
기상 현상 Meteo. Phenomena	-															
맑음 Clear	v															
개일 Partly Cloudy	v															
흐림 Cloudy	v															
눈 Snow	v															
비 Rain	v															
진눈깨비 Sleet	v															
안개 Fog	v															
박무 Mist	v															
유빙 Drift Ice (Marian Cove/Maxwell Bay)	v															
	MC/MB MC/MB MC/MB MC/MB MC/MB MC/MB MC/MB MC/MB MC/MB MC/MB MC/MB MC/MB MC/MB MC/MB MC/MB															
	1 5 22 8 11 2 4 7															

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 2월

요소 일 Date	Element N	북 NNE	북북동 NE	북동 ENE	동북동 E	동 ESE	동남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.5	19.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	16.9	17.5	
3	5.6	5.7	3.5	12.9	27.9	31.2	0.0	0.0	0.0	1.7	0.0	2.4	0.0	0.0	0.0	7.8	7.6
4	0.0	0.0	0.0	0.0	0.0	24.6	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	4.0	0.0	15.9	13.8	10.0	7.1	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	4.2	9.3	11.6	12.4	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	5.3	0.0	3.3	6.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	5.2	5.5	5.5	5.5
8	9.0	0.0	1.7	2.3	2.0	0.0	3.3	1.7	3.2	0.0	2.7	0.0	0.0	3.4	3.6	6.3	6.3
9	9.4	11.7	7.7	2.6	7.4	6.3	9.2	8.3	5.8	5.6	0.0	8.4	5.6	0.0	0.0	0.0	0.0
10	18.5	23.0	4.6	0.0	0.0	4.1	5.1	6.3	0.0	2.6	0.0	0.0	0.0	3.1	0.0	10.1	10.1
11	25.9	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	17.6	22.8	0.0	0.0	12.0	10.3	11.9	0.0	0.0	7.9	0.0	4.0	11.4	9.1	12.4	14.0	14.0
13	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	14.0	17.8
14	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	18.0	16.9
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	13.5	14.5	14.1	15.7	15.7
16	19.6	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	9.9	10.6	14.8
17	4.1	0.0	2.5	0.0	0.0	9.0	6.9	3.7	0.0	2.3	0.0	2.0	0.0	4.8	6.4	16.6	16.6
18	0.0	0.0	7.8	1.9	25.0	21.4	0.0	3.4	2.5	0.0	0.0	0.0	0.0	1.8	3.6	1.5	1.5
19	0.0	0.0	0.0	0.0	0.0	23.9	25.6	18.6	16.1	13.2	12.8	0.0	0.0	0.0	0.0	0.0	0.0
20	12.3	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	14.6	11.7	11.7
21	13.2	0.0	0.0	0.0	15.8	16.9	0.0	8.7	0.0	0.0	0.0	0.0	8.9	8.5	9.0	11.9	11.9
22	0.0	0.0	10.3	11.7	12.8	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	3.3	22.4	24.7	18.7	22.1	15.3	2.9	0.0	2.9	0.0	3.7	3.1	4.0	0.0	5.1	5.1
24	7.5	4.7	6.1	16.4	23.5	26.9	5.9	0.0	4.2	3.6	3.1	0.0	0.0	0.0	0.0	4.8	4.8
25	0.0	0.0	0.0	10.3	15.2	33.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	12.5	19.5	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	12.5	8.9	9.9	11.7	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	15.1	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	12.3	14.5	14.3	14.3
월 Month	25.9	27.2	22.4	24.7	27.9	33.0	28.5	16.1	13.2	12.8	3.1	8.4	13.5	15.0	19.5	19.0	19.0

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1991년 2월

요소 Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
일 Date																	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	438	563	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	21	375	604	0
3	63	42	21	146	208	375	0	0	0	21	0	21	0	0	42	42	21
4	0	0	0	0	0	875	125	0	0	0	0	0	0	0	0	0	0
5	0	0	0	167	0	146	271	250	146	21	0	0	0	0	0	0	0
6	0	0	42	313	375	208	21	0	0	0	0	0	0	0	0	0	42
7	104	0	21	83	21	0	0	0	0	0	0	0	375	125	104	125	42
8	521	0	21	83	21	0	21	21	21	0	21	0	0	21	63	167	21
9	42	104	21	63	21	42	21	42	146	208	0	21	21	0	0	0	250
10	563	229	42	0	0	21	21	42	0	21	0	0	0	21	0	42	0
11	234	766	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	125	104	0	0	42	42	21	0	0	42	0	21	167	83	229	125	0
13	42	0	0	0	0	0	0	0	0	0	0	0	0	167	271	521	0
14	125	0	0	0	0	0	0	0	0	0	0	0	0	63	396	417	0
15	0	0	0	0	0	0	0	0	0	0	0	21	167	333	250	229	0
16	354	63	0	0	0	0	0	0	0	0	0	0	0	83	333	167	0
17	21	0	21	0	0	63	104	63	0	42	0	21	0	63	146	458	0
18	0	0	21	21	229	438	0	21	21	0	0	0	0	21	63	21	146
19	0	0	0	0	175	275	125	150	200	25	0	0	0	0	0	0	50
20	42	63	0	0	0	0	0	0	0	0	0	0	0	292	292	292	21
21	104	0	0	0	42	188	0	21	0	0	0	0	21	42	333	250	0
22	0	0	128	532	234	106	0	0	0	0	0	0	0	0	0	0	0
23	0	21	42	188	167	375	42	21	0	21	0	21	42	42	0	21	0
24	42	21	63	104	229	188	125	0	63	21	21	0	0	0	0	63	63
25	0	0	0	146	167	583	104	0	0	0	0	0	0	0	0	0	0
26	0	0	0	167	438	396	0	0	0	0	0	0	0	0	0	0	0
27	0	63	63	271	125	479	0	0	0	0	0	0	0	0	0	0	0
28	229	542	0	0	0	0	0	0	0	0	0	21	21	125	63	0	0
월 Month	94	72	18	82	88	171	35	22	20	15	1	4	29	50	124	150	23

89251 남극세종과학기지(KARP)

1991년 3월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31	월 Month
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		월
기압 평균 Ave. Station	987	976	978	974	978	981	977	976	974	982	984	983	987	974	966			989
최고 Highest	980	979	986	990	990	989	994	994	1003	1000	1004	1008	1008	1009	1021	1019		1023
압 (hPa)	991	981	981	978	979	983	981	981	981	989	989	985	992	990	974			30일
나타난 시간 Time	984	983	987	996	995	993	995	1000	1004	1003	1009	1009	1008	1015	1023	1021		30일
최저 Lowest	0742	2359	0324	2353	1121	1452	0007	2357	0001	2348	0133	1924	2115	0020	2359			0021
Air Press.	1751	2359	1144	2238	0038	2359	0914	2359	1840	0007	2116	0218	2158	2400	1526			961
나타난 시간 Time	977	973	974	972	977	978	974	973	971	975	978	978	983	964	961			15일
기온 평균 Average	3.3	2.5	1.3	-3.0	-0.9	0.0	3.1	1.8	0.6	0.0	-0.4	-2.4	-1.5	0.1	-1.7			-0.2
평균최고 Ave. Maximum	-0.5	0.5	0.2	-1.7	1.0	0.8	-0.1	-5.3	-2.1	0.8	0.6	0.9	0.0	-1.8	-0.9			1.5
평균최저 Ave. Minimum																		-2.2
온도 (°C)	5.5	4.6	2.7	0.7	0.9	1.7	3.9	3.4	1.8	1.7	0.4	-1.1	-0.6	2.1	1.8			5.5
나타난 시간 Time	1.2	1.1	1.1	0.3	1.9	2.0	3.0	-4.6	0.8	1.5	1.1	1.8	1.1	0.7	1.2			1일
Air Temp.	1523	0739	1431	0028	1251	2348	1335	0036	1333	1313	1036	0031	0728	1413	0201			2.5
나타난 시간 Time	1344	1252	1151	2400	1711	1344	1347	1513	2400	1728	1112	1204	1428	1104	1125			1106
최저 Lowest	1.4	0.9	0.6	-4.7	-4.0	-1.4	1.3	0.0	-1.9	-2.2	-1.3	-4.2	-2.1	-2.4	-6.0			-6.3
나타난 시간 Time	-5.3	0.0	-0.8	-4.3	0.2	0.1	-5.2	-6.2	-6.3	-0.1	0.0	0.0	-0.7	-4.5	-4.0			24일
평균습점온도(°C)	0019	1734	1002	2049	0005	0534	0244	2219	2352	0030	2324	0817	1834	0235	1824			2041
Average Dewpoint Temperature	0050	0836	2352	0859	2400	0449	2400	0727	0044	0832	0751	2313	2232	1756	0631			2041
습점온도(°C)	-1.6	-2.8	-4.2	-8.5	-6.9	-5.9	-1.9	-2.9	-4.6	-6.4	-6.8	-8.4	-7.6	-5.2	-6.3			-5.7
Average Dewpoint Temperature	-6.6	-4.8	-4.7	-7.7	-3.9	-4.4	-6.0	-10.1	-7.6	-3.9	-5.6	-4.2	-5.0	-7.2	-7.4			-7.3

1991년 3월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	1.7	0.5	1.2	4.7	0.0	-	3.3	1.4	0.4	-	1.3	0.5	0.0	2.2	4.8	48.6	
Total Precipitation	1.7	3.7	1.1	0.2	16.8	0.1	0.5	1.2	0.0	0.0	0.1	-	0.7	0.5	-	-	
평 균 Average	89.	87.	86.	89.	84.	85.	90.	93.	91.	81.	82.	86.	84.	89.	97.	89.	
최 소 Lowest	85.	91.	91.	86.	95.	93.	87.	100.	96.	98.	84.	93.	93.	93.	82.	84.	
도 (1%) 나타난 시간 Time	74.	73.	78.	74.	68.	67.	78.	71.	67.	69.	62.	69.	75.	74.	87.	49.	
R.H.	68.	76.	83.	66.	83.	81.	65.	99.	86.	86.	67.	69.	81.	83.	49.	58.	
	1524	2135	0227	2222	0111	1102	0546	2349	0111	1607	1221	1220	2158	0022	2353	1047	
	1618	1307	0204	1851	0429	1702	1051	2153	2400	0001	1034	1439	1431	1134	0902	1047	
평 균 24 hour ave.	6.5	7.7	6.5	7.6	5.3	8.3	11.1	6.1	9.1	7.1	6.9	5.9	4.0	11.2	9.2	7.5	
바 합성 풍 향 Direction	7.8	9.2	5.1	5.6	10.9	6.9	7.1	13.3	8.0	10.4	9.8	6.4	2.1	7.9	5.5	2.8	
람 순간 최대 Greatest Gust	14.4	20.2	13.9	17.1	16.4	16.8	23.2	19.2	19.9	14.7	18.1	16.5	10.6	31.3	22.9	31.3	
(m/s) 풍 향 Direction	16.8	20.2	13.2	13.8	20.9	16.3	23.4	30.1	15.9	18.1	21.2	15.0	7.8	20.4	18.9	9.5	
Wind 나타난 시간 Time	0703	1027	1609	0909	0536	1729	0645	0026	1809	1922	1909	0035	1035	1249	1620	1604	
	2129	0653	0413	0556	0852	1548	1921	0528	0410	2352	0024	0810	0003	2301	0004	1604	
Average Amount of Cloud	5.8	7.4	7.8	6.8	7.4	6.6	7.6	7.8	8.0	6.2	7.8	7.2	7.4	7.2	8.0	6.6	
폭풍철 시작 시간 Start Time	6.2	6.2	7.4	7.0	8.0	5.4	4.4	8.0	8.0	7.8	4.4	7.2	6.6	7.8	0.4	1.6	
Blizzard							1810								1310		
계속 시간 Duration of Blizzard							1840								1740		
							2430								0430	2900	

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 3월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
1		9.9	9.4	10.0	14.2	10.0	9.7	10.0	11.8	4.4	6.9	0.0	0.0	0.0	0.0	13.5	14.0	14.4
2		16.3	20.2	16.6	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	13.1	13.1	13.0	13.1	
3		12.2	10.6	13.0	13.4	11.5	0.0	10.8	10.6	0.0	0.0	0.0	0.0	0.0	11.8	13.9	13.2	
4		0.0	5.3	0.0	8.6	16.0	17.1	15.6	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	6.1
5		16.4	15.6	0.0	6.6	0.0	0.0	0.0	2.3	5.1	0.0	0.0	4.5	9.7	10.4	13.5	12.4	
6		13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	9.5	13.3	13.3	16.6	16.8	
7		23.2	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3
8		19.2	18.4	3.2	0.0	3.7	8.6	6.3	0.0	0.0	2.5	0.0	14.7	14.1	10.3	9.4	0.0	
9		10.6	19.3	0.0	0.0	0.0	11.0	0.0	10.7	0.0	0.0	0.0	0.0	15.8	19.9	13.9	12.6	
10		0.0	0.0	3.4	7.7	8.3	10.9	0.0	0.0	0.0	0.0	0.0	14.7	14.1	7.7	3.7	4.1	
11		0.0	5.9	8.4	8.5	18.1	17.7	0.0	0.0	0.0	0.0	0.0	3.1	11.7	8.3	0.0	0.0	
12		0.0	0.0	7.4	6.7	7.5	16.5	14.7	0.0	0.0	0.0	0.0	0.0	4.4	5.8	6.4	6.5	
13		7.0	8.5	0.0	6.2	7.5	10.6	0.0	6.4	7.0	0.0	0.0	0.0	6.0	3.6	5.4	6.2	
14		19.0	31.3	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	13.9	17.0	
15		0.0	0.0	0.0	15.8	22.6	22.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	14.7	
16		16.8	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	16.1	15.1	12.7	16.7	
17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	17.5	14.9	6.1	
18		0.0	0.0	0.0	3.7	2.6	6.2	6.0	0.0	0.0	0.0	0.0	2.7	0.0	13.2	12.2	8.4	
19		0.0	0.0	0.0	5.7	10.4	13.8	11.5	0.0	0.0	0.0	0.0	0.0	9.6	8.7	7.7	10.4	
20		20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	13.2	
21		16.3	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	12.8	10.3	
22		8.0	9.0	8.9	6.5	22.6	23.4	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	6.0	
23		0.0	0.0	0.0	0.0	24.9	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24		14.0	12.3	0.0	13.4	14.1	15.9	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0	13.9	
25		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	18.1	14.7	
26		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	20.6	21.2	10.6	0.0	
27		2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	5.3	7.4	13.1	15.0	14.2	11.8	4.9	
28		0.0	0.0	0.0	0.0	3.2	0.0	0.0	5.0	0.0	7.8	5.3	6.2	6.8	5.7	5.1	5.3	
29		0.0	0.0	0.0	0.0	0.0	18.8	20.4	9.3	8.0	8.5	0.0	6.1	7.8	10.4	8.9	5.6	
30		6.6	4.9	11.8	0.0	15.1	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	6.9	
31		4.3	0.0	4.8	3.7	2.0	8.2	9.5	9.2	9.3	2.2	3.6	0.0	0.0	6.0	0.0	0.0	
월 Month		23.2	31.3	19.7	15.8	24.9	30.1	20.4	11.8	9.3	8.5	7.4	18.8	20.6	21.2	18.1	17.0	

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1991년 3월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM	
1	21	63	125	83	63	63	42	63	21	21	0	0	0	63	104	271	0
2	104	313	188	83	0	0	0	0	0	0	63	42	42	104	104	63	0
3	146	167	42	229	63	0	42	21	0	0	0	0	21	125	146	0	0
4	0	21	0	83	333	396	125	0	0	21	0	0	0	0	21	0	0
5	188	42	0	42	0	0	0	21	42	0	42	146	188	146	83	63	63
6	21	0	0	0	0	0	0	0	0	0	0	0	0	188	208	0	0
7	646	313	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0
8	229	125	21	0	104	42	0	0	21	0	63	125	104	83	0	63	0
9	42	83	0	0	0	42	0	21	0	0	167	354	229	63	0	0	0
10	0	0	21	21	42	63	0	0	0	0	250	458	83	42	21	0	0
11	0	42	42	125	229	167	0	0	0	0	21	208	125	0	0	42	0
12	0	0	42	21	63	375	125	0	0	0	0	63	42	146	125	0	0
13	146	42	0	125	104	250	0	21	21	0	0	42	42	42	125	21	0
14	42	333	208	0	0	0	0	0	0	0	0	0	146	250	21	0	0
15	0	0	0	104	125	271	0	0	0	0	0	0	0	167	333	0	0
16	42	0	0	104	0	0	0	0	0	0	42	396	188	63	167	0	0
17	0	0	0	0	0	0	0	0	0	0	0	292	354	333	21	0	0
18	0	0	0	42	42	167	42	0	0	0	21	0	167	333	167	21	0
19	0	0	0	21	83	229	208	0	0	0	0	125	63	125	146	0	0
20	729	0	0	0	0	0	0	0	0	0	0	0	0	42	229	0	0
21	104	167	0	0	0	0	0	0	0	0	0	0	104	354	271	0	0
22	63	42	63	83	188	229	104	0	0	0	0	0	0	42	188	0	0
23	0	0	0	0	625	375	0	0	0	0	0	0	0	0	0	0	0
24	63	83	0	208	167	125	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	21	0	0	333	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	333	542	125	0	0
27	21	0	0	0	0	0	0	0	0	0	313	333	250	104	0	0	0
28	0	0	0	0	0	0	0	21	21	42	63	313	354	146	21	0	0
29	0	0	0	0	21	0	0	0	104	83	42	83	188	167	188	104	0
30	104	83	125	0	167	229	0	0	21	21	42	292	83	21	0	0	0
31	21	0	146	42	42	125	333	146	63	21	21	0	42	0	0	0	0
월 Month	88	62	33	46	77	112	42	11	6	7	6	33	101	120	130	116	10

89251 남극세종과학기지(KAPP)

1991년 4월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	월
일 Date																	
기압 평균 Ave. Station	1014	1011	1004	991	993	986	985	993	999	999	994	996	995	990	995	990	990
기	1002	1003	992	976	979	976	979	984	973	983	987	997	984	981	985	985	985
최고 Highest	1016	1013	1009	998	995	992	989	996	1001	1001	997	997	996	993	996	1000	1016
압	1004	1005	1000	983	981	979	983	989	977	985	993	999	998	984	991	991	1일
나타난 시간 Time (hPa)	0056	0221	0108	0012	1242	0001	2400	2400	2353	0250	2210	1506	0518	0002	2400	2400	
최저 Lowest	2237	0532	0005	0003	1743	2101	2356	0912	2400	1115	2349	1659	0029	1443	2400	2400	
Air	1013	1009	997	985	991	984	983	989	996	995	990	994	993	987	990	967	967
Press.	999	1000	983	973	976	973	977	976	967	977	982	993	972	977	980	980	24일
나타난 시간 Time	2358	2127	2352	0919	2359	1418	0738	0010	0021	2251	0646	2333	2307	1836	0027	0027	
기온 평균 Average	0002	2400	2400	1412	0031	0808	0552	2358	1341	0004	0008	0003	1550	0018	0223	0223	
기	-2.3	-0.9	2.4	2.1	0.8	-1.3	-3.9	-3.3	-2.6	-0.3	1.8	2.8	1.8	-4.1	-5.5	-2.4	-2.4
평	-3.9	-3.8	-5.3	-4.8	-1.5	-4.0	-2.0	-0.8	-6.2	-5.8	-8.4	-8.3	-1.3	-0.3	-1.7	-0.2	-0.2
균																-4.2	-4.2
최																	
온	-1.2	1.5	4.1	5.8	1.4	1.2	-3.0	-1.7	-1.4	1.0	3.2	5.4	4.4	0.0	-3.6	5.8	5.8
(℃)	-3.1	-1.7	-3.8	-3.1	-0.3	-1.6	-0.4	0.0	0.1	-2.5	-3.6	-3.4	0.8	0.2	-0.3	4일	4일
나타난 시간 Time	1620	2357	2400	0138	2024	0626	2317	1303	2316	2400	0646	2047	1322	0010	1154	1154	
기	1202	1227	0946	2400	1701	0004	2400	2400	0032	2207	0102	2400	1447	1457	0018	0018	
최저 Lowest	-3.6	-2.0	1.5	0.6	0.4	-4.4	-4.4	-4.9	-3.8	-1.6	0.9	1.4	-0.7	-6.9	-6.9	-6.9	-11.4
Air	-5.0	-5.9	-7.4	-7.0	-3.1	-6.2	-3.7	-2.2	-9.5	-9.1	-11.0	-11.4	-3.6	-1.1	-5.5	27일	27일
Temp.	0811	1106	0108	1140	0653	2359	0033	2204	0002	0019	0123	1028	2238	2334	0129	0129	
나타난 시간 Time	0012	2359	2334	0008	0003	1635	0047	1753	1756	0015	2301	0559	0157	0437	2400	2400	
평균습윤도(℃)	-7.4	-6.0	-1.8	-2.3	-3.9	-6.2	-10.5	-10.2	-9.4	-6.2	-3.0	-1.7	-2.7	-8.8	-10.8	-7.9	-7.9
Average Dewpoint Temperature	-10.4	-9.5	-10.8	-10.0	-7.6	-9.9	-8.6	-6.9	-11.3	-11.6	-14.2	-15.0	-7.0	-6.3	-7.6	-7.6	-7.6

1991년 4월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.0	2.6	30.7	11.2	0.0	4.0	0.1	-	-	0.0	3.8	1.3	8.2	9.4	2.4	100.9	
Total Precipitation	-	0.0	-	0.0	0.0	0.2	0.1	1.2	11.4	5.6	4.2	0.1	1.6	0.0	2.8		
상 평	99.	97.	103.	98.	97.	97.	85.	81.	81.	89.	96.	98.	98.	102.	99.	93.	
대	91.	93.	94.	96.	87.	89.	85.	87.	99.	94.	96.	91.	93.	89.	89.	89.	
습	92.	91.	99.	89.	80.	83.	73.	75.	76.	80.	64.	90.	91.	91.	64.	64.	
도	83.	87.	82.	88.	79.	77.	74.	77.	86.	89.	90.	80.	75.	70.	72.	15일	
(1%) 나타난 시간 Time	1810	1358	2359	0141	1046	0623	2230	1547	0726	0139	0652	1931	2356	0020	0648		
R. H.	1146	0249	0948	1424	2304	2250	1441	0257	0033	1245	0259	2305	2338	2258	0015		
평	5.8	8.8	11.8	12.2	6.7	10.3	11.6	4.7	2.6	9.2	10.4	9.8	5.8	14.3	12.4	8.3	
바	9.0	4.5	1.9	1.7	5.1	6.5	6.7	8.2	15.8	6.5	10.0	7.4	14.2	9.2	6.2		
합성 풍향 Direction	NW	NW	N	NNW	NW	ESE	ESE	E	NE	N	N	N	E	ESE	E	E	
람	11.2	15.7	23.4	29.0	11.7	23.1	22.2	11.6	7.6	23.8	23.9	19.9	15.9	28.7	26.9	33.2	
(m/s) 풍	20.4	17.9	5.9	6.9	10.6	17.1	16.0	21.0	33.2	22.4	20.8	18.7	32.1	19.9	17.1	24일	
Wind	NW	NW	N	NNE	NNW	ESE	ESE	E	NNW	N	N	N	NNW	E	ESE	ESE	
나타난 시간 Time	ESE	ESE	ENE	ESE	W	ESE	NNW	NNW	ESE	ENE	ENE	E	NNE	NNW	ESE	ESE	
구름(1/8)	2350	2017	0928	0651	0841	1829	0716	0329	2153	2244	0142	2341	0024	1835	0325		
Average Amount of Cloud	1948	0002	0540	1656	1726	1236	2206	0629	1559	2021	0718	0022	1036	0022	2217		
폭풍설 시작 시간 Start Time	7.4	7.6	8.0	8.0	7.6	8.0	4.2	3.2	7.8	7.8	7.8	8.0	8.0	8.0	7.4	7.0	
Bliz-zard	4.6	6.2	7.6	6.6	7.0	7.2	6.0	7.4	8.0	8.0	7.8	6.6	7.4	4.4	4.4	7.2	
계속 시간 Duration of Blizzard																	

1991년 4월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	월
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	6597	3944	1526	2173	2309	3293	5822	6362	3205	2508	2418	3489	1547	1017	4945	86788	
	5951	3092	3360	2610	1932	2509	2587	1526	995	1980	1806	2007	1393	1996	1889		
적 설 최 심 Max. Depth Snow Cover	20.0	18.0	17.0	16.0	14.0	16.0	10.0	6.0	0.0	71.0	83.0	85.0	83.0	78.0	22.0	28.0	
신적설 합 계 Total	-	1.0	-	-	-	12.0	2.0	4.0	-	-	-	-	-	25.0	8.0	159.0	
Snow (cm)						3.0	2.0	4.0	46.0	18.0	23.0	2.0	6.0	-	9.0	46.0	24일
Snow Fall 최 심 Max. Depth 나타난 날 Date																	
담 음 Clear																	0
개 임 Partly Cloudy																	5
흐 림 Cloudy																	25
눈 Snow																	22
비 Rain																	8
상 진 눈개 비 Steet																	1
안 개 Fog																	1
박 무 Mist																	10
유 빙 Drift Ice (Marian Cove/Maxwell Bay)																	

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 4월

요소 일 Date	Element N	북 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW
1	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	8.2	11.2
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	15.7
3	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2
4	28.3	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	16.1
5	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	11.7	11.3	9.9
6	7.3	0.0	0.0	8.1	20.1	23.1	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	17.6	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	5.7	7.0	8.9	11.6	8.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	6.5	7.4	5.5	5.6	5.9	0.0	2.4	3.7	2.8	0.0	0.0	0.0	0.0	0.0	6.2	7.6
10	23.8	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4
11	23.9	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9
12	19.9	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2
13	15.0	0.0	0.0	0.0	15.7	15.3	13.3	6.6	0.0	4.5	3.7	4.3	0.0	5.6	4.5	15.9
14	0.0	0.0	0.0	0.0	0.0	28.7	26.8	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	11.4	19.9	26.8	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	10.9	19.2	20.4	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	6.0	17.9	12.2	9.1	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	2.5	4.6	5.9	4.9	4.1	3.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	3.0	3.5	3.7	2.9	4.6	6.9	4.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	8.0	8.8	10.6	8.1	9.9	6.2
21	13.8	0.0	2.0	10.1	16.8	17.1	0.0	0.0	0.0	0.0	0.0	0.0	6.7	8.4	6.4	0.0
22	15.0	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	13.7	16.0	4.7	11.1
23	6.5	0.0	6.5	13.9	11.3	9.8	9.7	5.1	0.0	0.0	0.0	17.1	17.0	21.0	14.6	8.2
24	0.0	0.0	0.0	13.4	17.9	33.2	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	11.1	22.4	17.9	11.2	7.9	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	18.4	20.8	17.2	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	14.5	11.7	9.9	9.4	18.7	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
28	26.0	32.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	22.3	16.5	14.6
29	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	19.9	15.6	11.0
30	14.3	11.5	0.0	13.1	13.1	17.1	0.0	11.5	7.5	0.0	0.0	0.0	0.0	9.6	10.3	10.2
월 Month	28.3	32.1	11.4	22.4	28.7	33.2	31.8	11.5	7.5	7.8	8.0	17.1	21.4	22.3	16.5	19.2

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1991년 4월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	북서 NW	북서 NNW	북서 NNW	정온 CLM
1		21	0	0	0	0	0	0	0	0	0	0	0	0	104	229	646	0	0
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	938	0	0
3		708	0	0	0	0	0	0	0	0	0	0	0	0	0	0	292	0	0
4		208	229	0	0	0	0	0	0	0	0	0	0	0	0	188	375	0	0
5		91	0	0	0	0	0	0	0	0	0	0	0	23	250	227	409	0	0
6		21	0	0	21	250	604	104	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	229	771	0	0	0	0	0	0	0	0	0	0	0	0
8		0	42	42	83	688	125	21	0	0	0	0	0	0	0	0	0	0	0
9		63	167	104	167	104	0	21	125	42	0	0	0	0	0	63	146	0	0
10		708	188	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	0
11		563	271	0	0	0	0	0	0	0	0	0	0	0	0	0	167	0	0
12		708	83	0	0	0	0	0	0	0	0	0	0	0	0	0	208	0	0
13		83	0	0	0	167	250	146	63	0	42	42	21	0	21	42	125	0	0
14		0	0	0	0	542	438	21	0	0	0	0	0	0	0	0	0	0	0
15		0	0	21	167	563	250	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	208	333	375	83	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	104	271	229	229	167	0	0	0	0	0	0	0	0	0
18		0	21	83	354	417	42	21	21	0	0	0	0	0	0	0	0	21	0
19		21	21	42	42	83	292	167	63	0	0	0	0	0	0	0	0	63	208
20		0	0	0	0	0	0	0	0	0	83	104	167	333	63	208	42	0	0
21		146	0	21	146	292	229	0	0	0	0	0	0	83	42	21	0	21	0
22		250	104	0	0	0	0	0	0	0	0	0	63	271	188	42	83	0	0
23		21	0	42	83	83	83	42	21	0	0	0	21	167	271	125	42	0	0
24		0	0	0	21	250	500	229	0	0	0	0	0	0	0	0	0	0	0
25		0	0	125	458	271	83	42	0	21	0	0	0	0	0	0	0	0	0
26		0	0	0	167	667	125	42	0	0	0	0	0	0	0	0	0	0	0
27		458	42	21	83	333	42	0	0	0	0	0	0	0	0	0	21	0	0
28		438	229	0	0	0	0	0	0	0	0	0	0	21	208	83	21	0	0
29		208	0	0	0	0	0	0	0	0	0	0	0	42	354	313	83	0	0
30		333	63	0	125	104	167	0	21	63	0	0	0	0	21	42	63	0	0
월	Month	169	49	17	71	183	155	39	18	10	4	5	9	31	50	55	127	8	8

89251 남극세종과학기지(KARP)

1991년 5월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
기압 평균 Ave. Station	995	989	983	977	984	981	976	981	1000	1002	1004	998	986	1000	1003	987
최고 Highest	981	976	986	993	994	984	979	986	979	977	993	994	983	980	976	987
나타난 시간 Time (hPa)	997	996	985	981	986	986	979	993	1003	1004	1007	1007	990	1010	1011	1011
최저 Lowest	987	980	*	*	999	988	983	990	989	985	997	997	987	984	980	989
Air Press.	1812	0036	1020	2400	2059	0023	0206	2359	2247	2243	2354	0106	0223	2400	0321	15일
나타난 시간 Time	0003	0012	*	*	1731	0001	0021	1901	0012	2358	2344	0137	0010	0046	2400	2143
기온 평균 Average	991	981	976	973	981	978	971	970	993	1001	1003	989	983	986	987	970
평균최고 Ave. Maximum	978	975	*	*	987	982	977	978	970	970	985	987	981	976	975	980
평균최저 Ave. Minimum	0004	2229	2400	0634	0022	1344	2400	0126	0014	0449	0606	2324	1717	0005	2400	8일
온도	0803	0956	*	*	2400	1105	2033	0007	2342	0052	0014	2359	0845	2340	1629	0007
최고 Highest (°C)	-2.9	-0.5	-2.5	-9.5	-8.7	-5.9	-4.7	-9.1	-6.8	-5.8	-3.2	-0.9	1.7	-2.0	-2.0	-7.2
나타난 시간 Time	-0.5	-0.9	-10.1	-12.9	-9.3	-5.3	-8.7	-12.5	-9.2	-17.1	-16.4	-14.4	-14.4	-8.0	-7.9	-13.5
최저 Lowest	-1.1	-0.1	-1.0	-1.8	-4.6	-3.9	-3.4	-4.9	-3.6	-4.4	-1.3	3.8	3.6	0.9	0.5	3.8
Air Temp.	0.2	0.3	*	*	-4.3	-2.2	-7.2	-9.7	-3.8	-15.1	-15.2	-13.2	-12.9	-4.2	-4.0	-10.8
나타난 시간 Time	2359	2156	2241	0002	1353	1240	1216	0033	1933	1339	1253	1409	1308	0026	1951	12일
최저 Lowest	0057	1358	*	*	2359	1219	0909	0001	1536	0004	2057	1031	2318	2346	0341	2359
나타난 시간 Time	-6.6	-1.9	-3.7	-12.3	-10.9	-8.6	-7.7	-12.2	-8.9	-7.6	-5.8	-5.7	0.6	-4.5	-3.3	-18.5
평균슬점온도(°C)	-1.4	-3.0	*	*	-12.2	-10.1	-10.9	-14.0	-15.6	-18.5	-17.3	-15.8	-15.5	-13.8	-16.2	-16.0
Average Dewpoint Temperature	0046	2400	0554	1403	2322	0001	0201	0507	0934	2040	0050	0320	2323	0900	0907	25일
최저 Lowest	1549	1928	*	*	1733	2144	1840	2304	2359	1106	0845	0033	0829	0020	2332	0025
나타난 시간 Time	-9.4	-5.9	-9.1	-15.2	-15.4	-12.8	-11.7	-16.2	-14.7	-13.0	-9.6	-6.3	-2.5	-7.4	-7.6	-12.4
평균슬점온도(°C)	-5.0	-4.0	*	*	-16.1	-10.8	-14.4	-19.1	-15.7	-23.4	-23.6	-22.5	-22.1	-15.3	-14.2	-21.0

1991년 5월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	-	0.4	0.4	3.1	0.2	3.9	0.0	0.4	0.0	-	*	-	2.3	13.0	-	-	43.8
Total Precipitation	3.1	0.0	6.7	4.4	0.3	4.3	-	0.9	*	*	*	-	-	0.1	0.3	-	-
상대 습도 (%)	85.	95.	85.	96.	87.	84.	82.	84.	77.	81.	86.	96.	100.	96.	93.	78.	78.
최소 습도 (%)	100.	100.	*	*	80.	82.	84.	80.	78.	82.	77.	66.	67.	66.	75.	69.	69.
나타난 시간 Time	71.	85.	64.	90.	77.	65.	68.	62.	63.	74.	74.	80.	101.	85.	86.	42.	42.
(1%) R.H.	99.	94.	*	*	72.	74.	76.	70.	68.	76.	64.	56.	42.	45.	65.	46.	28일
	1216	0056	0729	2349	1354	0744	0543	1924	1317	2315	0137	0849	1426	2152	1038		
	0027	0844				1126	0411	2332	0755	0048	2332	1134	2238	0042	0001	2358	
바람	5.1	11.1	8.7	10.8	5.3	4.9	4.6	7.4	3.9	4.3	2.4	9.5	12.6	6.5	4.3	6.8	6.8
합성 풍향 Direction	3.8	1.5	*	*	5.5	7.3	4.9	11.6	9.1	21.7	14.0	5.9	10.3	3.1	7.3	3.5	3.5
순간 최대 Gust	NW	ESE	W	E	NE	W	SW	E	E	ENE	ESE	NNE	NW	NW	E	E	E
(m/s) 풍향 Direction	14.1	20.9	18.3	22.4	15.8	12.1	15.9	21.4	12.1	13.7	7.3	30.6	24.2	19.7	12.8	36.1	36.1
Wind	12.4	9.4	*	*	17.0	27.4	16.2	24.1	35.1	36.1	33.2	15.2	23.0	9.0	20.8	21.1	25일
나타난 시간 Time	ESE	N	W	E	ESE	W	SW	ESE	E	ENE	NE	NNE	N	NW	N	SE	SE
	NW	ESE	*	*	N	ESE	E	ESE	ENE	SE	E	ENE	ESE	ESE	ESE	SSW	SSW
	0033	1753	0450	1107	1609	1049	1256	0140	0532	0452	0529	1402	1245	0117	0324		
	1210	1545	*	*	2243	1731	2358	0207	2313	1818	0134	1835	0925	0002	2009	0006	
Average Amount of Cloud	6.8	8.0	7.4	7.8	4.4	8.0	7.6	3.0	5.6	2.2	6.0	7.8	8.0	7.2	7.2	7.2	6.3
평균 구름(1/8)	7.6	8.0	7.6	7.4	6.8	8.0	5.6	4.6	7.8	8.0	3.4	0.0	5.2	7.2	7.8	3.2	3.2
폭풍설 시작 시간 Start Time																	
Blizzard			0810			1710			1720								
끝난 시간 End Time				1150													
계속 시간 Duration of Blizzard				0420		2250				0630							
				2740		0540					3710						7450

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 5월

일 Date	요소 Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1	북	5.2	0.0	0.0	6.4	5.1	14.1	3.7	3.6	0.0	2.8	0.0	0.0	13.7	12.3	11.0	6.6
2	북	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	13.8	12.7	16.0
3	북	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	17.8	18.3	10.4	9.5	9.5	9.5
4	북	0.0	0.0	8.8	13.0	22.4	21.7	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	북	14.6	0.0	8.8	13.2	15.8	7.8	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	9.9	5.9
6	북	4.6	4.0	4.7	5.9	5.0	6.4	7.8	0.0	0.0	5.7	11.1	12.0	12.1	7.4	0.0	5.0
7	북	0.0	0.0	0.0	3.9	3.8	3.2	3.0	0.0	4.3	7.8	15.9	11.6	10.8	7.5	0.0	0.0
8	북	6.3	0.0	0.0	16.0	18.5	21.4	7.5	7.3	9.5	11.7	11.0	0.0	10.5	0.0	6.4	5.9
9	북	7.5	0.0	5.7	9.0	12.1	12.0	5.4	0.0	5.6	0.0	6.1	0.0	0.0	0.0	0.0	0.0
10	북	0.0	0.0	11.1	13.7	6.5	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	북	5.6	0.0	7.3	5.0	5.7	6.3	5.5	3.8	4.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
12	북	23.8	30.6	5.0	5.1	2.5	4.9	4.8	0.0	4.3	3.1	0.0	0.0	0.0	0.0	0.0	16.3
13	북	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5
14	북	10.2	8.2	0.0	10.8	10.2	15.0	0.0	0.0	3.6	4.2	2.2	9.7	2.5	17.5	19.7	19.2
15	북	12.8	4.3	0.0	0.0	3.5	6.8	8.2	9.2	5.9	0.0	3.5	2.7	3.9	0.0	0.0	11.5
16	북	5.2	3.2	0.0	0.0	3.6	3.5	2.3	3.9	0.0	0.0	0.0	0.0	0.0	0.0	9.3	10.6
17	북	1.9	2.8	2.5	2.7	5.9	9.4	8.2	1.9	0.0	0.0	0.0	0.0	2.7	1.9	0.0	1.4
18	북																
19	북																
20	북	17.0	3.5	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5
21	북	6.5	5.7	4.7	9.0	25.0	27.4	0.0	0.0	0.0	0.0	0.0	0.0	7.0	7.7	5.3	7.2
22	북	0.0	0.0	14.2	15.3	16.2	13.8	8.2	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	북	0.0	0.0	0.0	0.0	20.8	24.1	22.9	21.3	21.1	20.0	6.6	0.0	0.0	0.0	0.0	0.0
24	북	12.9	11.7	32.8	35.1	33.5	25.8	4.4	0.0	2.9	0.0	0.0	4.4	2.9	0.0	0.0	9.4
25	북	0.0	0.0	35.8	30.9	30.3	34.7	36.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	북	0.0	0.0	0.0	30.3	33.2	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	북	0.0	0.0	8.9	15.2	13.2	9.5	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	북	0.0	0.0	0.0	15.8	20.8	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	북	7.8	6.0	0.0	4.6	7.2	9.0	0.0	0.0	4.0	5.2	6.8	5.2	7.5	7.8	8.3	7.8
30	북	0.0	0.0	0.0	0.0	20.3	20.8	20.0	17.8	20.0	0.0	0.0	7.6	12.0	8.3	0.0	0.0
31	북	0.0	0.0	3.1	4.3	10.0	6.6	3.0	12.6	13.0	21.1	20.2	3.6	1.7	0.0	0.0	0.0
월 Month		24.2	30.6	35.8	35.1	33.5	34.7	36.1	21.3	21.1	21.1	20.2	17.8	18.3	17.5	19.7	22.7

관측못함(NO DATA AVAILABLE)

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1991년 5월

요소 일 Date	Element	N	NNE	NE	ENE	E	동	ESE	동남동	남동	남남동	남	남남서	남서	서남서	서	서북서	북서	북북서	정은
		N	NNE	NE	ENE	E	동	ESE	동남동	남동	남남동	남	남남서	남서	서남서	서	서북서	북서	북북서	정은
1		21	0	0	64	21	128	85	43	0	21	0	0	383	106	64	43	21		
2		563	0	0	0	0	0	0	0	0	0	0	0	63	21	167	188	0		
3		21	0	0	0	0	0	0	0	0	0	21	208	438	125	146	42	0		
4		0	0	21	188	396	354	42	0	0	0	0	0	0	0	0	0	0		
5		250	83	0	313	208	63	0	0	0	0	0	0	21	0	21	42	0		
6		21	21	21	85	128	43	21	0	21	64	128	319	85	0	43	0			
7		0	0	0	42	42	42	21	0	42	63	250	208	125	146	0	0	21		
8		21	0	0	167	292	229	21	42	21	63	21	0	21	0	21	83	0		
9		146	0	0	229	333	125	63	0	42	0	21	0	0	0	0	0	0		
10		0	0	0	604	104	63	0	0	0	0	0	0	0	0	0	0	0		
11		21	0	42	63	125	250	229	167	63	42	0	0	0	0	0	0	0		
12		313	292	21	42	83	21	42	0	21	21	0	0	0	0	0	0	63	83	
13		188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	708	0	
14		208	63	0	42	42	146	0	0	63	42	21	42	21	229	42	42	0		
15		271	21	0	0	42	146	125	104	0	21	21	21	21	0	104	0			
16		42	83	0	0	21	42	21	21	0	0	0	0	0	104	125	438	104		
17		25	215	100	200	75	200	50	50	0	0	0	50	25	0	0	75	0		
18																				
19																				
20		164	73	36	91	73	164	36	18	0	0	0	18	36	0	18	55	218		
21		128	64	21	128	213	128	0	0	0	0	0	0	149	64	43	64	0		
22		0	0	21	128	64	277	255	255	0	0	0	0	0	0	0	0	0		
23		0	0	0	0	83	146	63	42	188	458	21	0	0	0	0	0	0		
24		271	83	83	63	167	104	21	0	21	0	0	83	21	0	0	83	0		
25		0	0	104	83	83	667	83	0	0	0	0	0	0	0	0	0	0		
26		0	0	0	500	479	21	0	0	0	0	0	0	0	0	0	0	0		
27		0	0	104	479	313	63	42	0	0	0	0	0	0	0	0	0	0		
28		0	0	0	83	521	396	0	0	0	0	0	0	0	0	0	0	0		
29		21	42	0	63	63	42	0	0	21	83	125	63	271	63	104	21	21		
30		0	0	0	0	125	146	83	83	63	0	0	83	375	21	0	0	21		
31		0	0	21	42	83	21	42	104	167	42	250	125	21	0	0	0	83		
월	Month	96	30	27	125	146	137	46	32	29	30	29	35	81	34	30	72	22		

관측못함(NO DATA AVAILABLE)

89251 남극 세종과학기지(KARP)

1991년 6월

일	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월		
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	989	988	985	994	989	975	981	972	972	966	993	994	992	996	998	990	
최고 Highest	1004	1011	1010	1009	1003	986	966	972	993	997	1004	993	986	1000	988		
나타난 시간 Time	990	989	988	998	998	980	982	981	976	982	1000	999	995	998	1002	1013	
(hPa)	1007	1013	1012	1010	1008	997	974	981	1001	1001	1006	1004	998	1004	1001	1017	
최저 Lowest	1132	0725	0009	2202	0029	2356	1102	0103	1505	2400	2149	0046	2349	2316	2400		
Air Press.	2400	1716	0058	0142	0018	0001	0012	2359	2351	0015	2033	0038	2307	1710	0027		
나타난 시간 Time	988	985	981	988	979	968	980	958	961	955	982	990	990	994	995	955	
기온 평균 Average	1001	1007	1009	1008	997	973	961	963	981	994	999	986	976	996	970	10일	
평균최고 Ave. Maximum	0241	1302	1343	0005	2400	0709	2137	1817	2400	0400	0013	2125	0007	1345	0749		
평균최저 Ave. Minimum	0033	0026	1641	2353	2358	2356	1855	0024	0010	1358	0024	2333	1144	0146	2219		
온도	-7.6	-1.0	-4.2	-18.0	-11.0	-14.4	-13.6	-8.0	-11.7	-17.8	-15.9	-12.2	-14.4	-14.2	-14.3	-8.8	
(℃)	-13.8	-11.4	-9.1	-5.8	-5.0	-4.2	-3.9	-8.9	-9.2	-5.2	-3.5	0.2	-1.6	-2.5	-2.0	-6.0	
최고 Highest	-2.7	-0.1	-0.1	-15.1	-7.2	-7.9	-7.8	-3.2	-8.3	-14.4	-13.2	-8.7	-11.7	-11.3	-12.1	1.5	
나타난 시간 Time	-11.6	-8.7	-6.8	-4.5	-3.8	-2.6	-1.2	-7.8	-7.8	-2.3	-1.1	1.3	1.5	-0.6	-0.6	28일	
최저 Lowest	2356	1336	0840	0030	1248	0426	2152	1442	2147	0002	2357	1346	1549	1446	0431		
Air Temp.	0839	2328	2216	1857	1346	2321	1146	2035	1811	1514	1913	1653	0928	0304	2056		
나타난 시간 Time	-11.1	-2.9	-15.4	-21.7	-20.6	-18.3	-19.1	-14.0	-14.7	-20.6	-17.9	-15.6	-17.0	-17.7	-17.0	-21.7	
평균습점온도(℃)	-15.6	-14.8	-10.5	-9.1	-6.9	-6.7	-9.0	-9.9	-11.3	-9.2	-7.1	-1.6	-6.6	-4.5	-7.6	4일	
Average Dewpoint Temperature	0044	0010	2359	2308	0052	1859	0809	2332	0159	0755	0045	2400	0418	0257	1459		
	2029	0040	0619	0002	0529	0008	2359	0815	2022	0003	0143	0003	1927	0558	2400		
	-14.9	-6.5	-9.1	-24.3	-17.1	-20.5	-19.9	-14.1	-18.6	-24.1	-23.1	-19.7	-22.4	-22.0	-22.3	-15.0	
	-21.9	-19.8	-15.4	-11.5	-10.3	-9.5	-9.4	-14.1	-14.4	-10.5	-8.8	-4.3	-6.7	-8.8	-6.8		

1991년 6월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	-	-	3.6	3.8	0.1	4.4	0.2	0.5	2.2	7.2	-	0.1	0.5	-	-	-	34.6
Total Precipitation	-	-	-	-	0.0	0.0	*	*	*	0.1	0.0	5.2	4.3	-	-	2.4	
상대 습도	65.	80.	86.	81.	82.	82.	80.	81.	76.	84.	80.	81.	76.	71.	66.	80.	
최소	62.	61.	78.	81.	86.	84.	80.	87.	86.	89.	90.	93.	89.	78.	89.	89.	
최대	46.	69.	78.	70.	71.	75.	72.	69.	65.	75.	76.	71.	62.	45.	44.	44.	
도	45.	47.	67.	72.	75.	70.	65.	83.	82.	82.	84.	85.	70.	55.	69.	69.	
(1%) 나타난 시간	0051	0242	2337	2333	1101	2236	1643	1441	2149	1945	1412	0730	2124	1731	1331	1331	
R.H.	0634	1853	2234	0132	0518	0913	0957	1608	2108	1332	0435	0514	2011	0331	1302	1302	
평 균 24 hour ave.	1.9	12.0	10.2	12.1	3.2	11.1	3.1	9.8	7.8	15.4	3.2	4.1	5.1	2.2	2.2	2.6	7.8
바	1.2	3.0	6.0	4.5	4.8	8.1	12.3	14.4	8.9	7.9	8.4	17.1	12.9	8.5	12.3	12.3	
합성 풍 향 Direction	N	WNW	NNW	SSE	NNW	SE	SSW	W	NE	E	SSE	E	ENE	NE	E	E	NNW
순간 최대 Greatest Gust	9.3	21.9	21.7	24.7	10.7	25.3	11.6	25.1	20.6	35.0	9.9	23.8	22.5	13.6	13.8	35.0	
(m/s) 풍 향 Direction	7.0	11.8	12.0	10.5	11.2	20.3	25.4	29.8	21.2	25.5	16.0	30.5	24.0	19.3	33.6	35.0	
Wind 나타난 시간 Time	2018	1327	2207	1320	0851	1123	0001	1625	0023	0356	1002	2252	0001	1655	1103	10일	
	0632	1424	0310	0638	2317	2316	2225	0426	0733	1200	2007	0916	0617	0308	1520	10일	
구름(1/8)	3.8	7.8	8.0	7.2	6.6	8.0	6.8	8.0	7.8	8.0	4.6	7.8	7.2	5.6	3.0	6.5	
Average Amount of Cloud	2.2	1.8	5.8	6.6	7.2	7.2	7.6	8.0	6.8	7.8	8.0	8.0	8.0	4.8	8.0	8.0	
폭풍설 시작 시간 Start Time				0400		0720					0040						
Blizzard				1420		2040					1350						
계속 시간 Duration of Blizzard				1020		1320		0950			1310						5200
								1510									

1991년 6월

요 소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
수명면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	1442	1139	1129	1248	1356	1205	1437	1166	1191	1049	1485	1111	1165	1068	1103	36111	1179	1220	1048	1155	1102	1243	1262	1547	1283	1124	1129	1043	1038	1341	1103	
눈 Max. Depth Snow Cover	50.0	50.0	50.0	69.0	68.0	76.0	72.0	70.0	67.0	83.0	79.0	76.0	80.0	75.0	71.0	69.0	69.0	68.0	66.0	65.0	63.0	60.0	*	104.0	98.0	93.0	86.0	73.0	66.0	73.0		
Snow (cm)	신적설 합 계 Total																															
	-	-	13.0	20.0	1.0	26.0	2.0	6.0	7.0	26.0	-	2.0	4.0	-	-	118.0	-	-	-	-	-	*	*	*	1.0	-	-	-	-	-	10.0	
	최 심 Max. Depth 나타난 날 Date																															
	없 음 Clear																															
기	개 임 Partly Cloudy																															
상	흐 름 Cloudy																															
현	눈 Snow																															
상	비 Rain																															
	긴 눈 개 비 Sleet																															
Meteo. Phenom ena	안 개 Fog																															
	박 무 Mist																															
	유 빙 Drift Ice																															
	(Marian Cove/Maxwell Bay)																															

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 6월

요소 일 Date	북 북북동		북동		동남동		남남동		남남서		남서		서		서북서		북북서	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1	4.5	3.8	5.7	3.6	3.2	3.0	3.2	4.7	5.8	0.0	3.9	6.1	9.3	9.3	3.3	5.5	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1	19.0	21.9	17.3	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	21.7	21.7	20.9	19.8	0.0	0.0	0.0	11.7	6.5	7.4	18.6	17.1	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	7.4	19.9	24.7	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	10.7	0.0	0.0	0.0	0.0	3.5	5.1	4.0	4.3	2.6	4.4	4.2	4.5	2.9	7.9	10.3	0.0	0.0
6	0.0	0.0	8.3	14.4	23.3	25.3	25.3	23.2	21.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	11.2	7.4	0.0	0.0	0.0	0.0	11.6	9.0	6.9	10.6	7.3	0.0	0.0	0.0	9.9	8.9	0.0	0.0
8	15.4	14.0	19.5	0.0	17.7	11.9	14.8	15.7	22.7	19.4	0.0	16.5	17.2	25.1	10.9	8.5	0.0	0.0
9	15.6	16.1	14.3	16.7	20.6	16.8	5.4	0.0	4.7	5.5	0.0	0.0	0.0	0.0	11.8	10.0	0.0	0.0
10	0.0	0.0	0.0	35.0	32.1	34.1	10.5	10.1	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0
11	0.0	3.1	3.2	4.9	8.0	9.8	8.3	5.0	7.6	5.2	9.9	4.0	2.4	0.0	0.0	0.0	0.0	0.0
12	3.0	4.2	3.6	5.4	23.8	15.7	7.2	3.5	3.3	2.5	0.0	0.0	3.1	3.1	3.6	0.0	0.0	0.0
13	0.0	0.0	4.6	17.1	22.5	9.1	0.0	0.0	0.0	0.0	0.0	2.8	2.6	0.0	0.0	6.2	0.0	0.0
14	4.1	3.4	4.3	11.0	13.6	10.5	5.5	0.0	0.0	0.0	0.0	2.2	0.0	2.2	0.0	2.7	0.0	0.0
15	1.9	3.0	3.2	11.9	13.8	10.5	7.4	3.1	4.0	4.7	3.3	0.0	4.3	4.5	3.5	0.0	0.0	0.0
16	0.0	2.5	5.5	6.1	7.0	6.8	2.7	2.3	4.7	3.1	4.6	1.4	0.0	0.0	0.0	3.8	0.0	0.0
17	7.0	5.9	5.8	3.6	3.7	3.5	7.2	11.8	9.7	6.9	3.4	0.0	0.0	0.0	0.0	9.3	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.1	4.8	0.0	0.0	6.7	7.5	12.0	10.6	0.0	0.0
19	8.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	10.2	10.5	8.0	0.0	0.0
20	9.3	5.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	11.2	0.0	0.0
21	17.6	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	12.1	0.0	0.0
22	0.0	18.9	12.0	13.5	15.3	25.4	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	23.1	29.8	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	2.6	0.0	3.6	0.0	21.2	20.4	12.4	0.0	2.7	5.1	3.2	0.0	0.0	0.0	9.0	3.8	0.0	0.0
25	25.5	23.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	17.1	0.0	0.0
26	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	15.8	0.0	0.0
27	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.3	0.0	0.0
28	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	20.9	19.6	22.8	0.0	0.0
29	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	19.3	18.6	17.1	0.0	0.0
30	33.6	29.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	16.3	22.1	13.4	0.0	17.6	0.0	0.0
월 Month	33.6	29.7	19.5	35.0	32.1	34.1	25.3	24.7	22.7	19.4	17.0	18.1	22.1	25.1	19.6	27.3		

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

		1991년 6월																
요소 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1	64	43	128	106	85	21	21	43	64	0	0	21	64	85	106	85	0	64
2	0	0	0	0	0	0	0	0	0	0	0	0	42	146	708	104	0	0
3	0	0	0	0	146	63	63	21	0	0	0	0	21	21	83	333	250	0
4	0	0	0	0	0	21	313	458	208	0	0	0	0	0	0	0	0	0
5	188	0	0	0	0	21	104	208	42	21	42	21	21	21	21	104	167	42
6	0	0	21	104	104	250	125	188	21	188	21	0	0	0	0	0	0	63
7	125	21	0	0	0	0	42	354	146	63	42	83	0	0	0	0	0	83
8	63	21	42	0	63	21	42	63	21	63	0	104	188	229	63	21	0	0
9	229	63	229	146	125	21	21	0	21	21	0	0	0	0	0	21	104	0
10	0	0	0	333	375	208	42	42	0	0	0	0	0	0	0	0	0	0
11	0	21	21	85	43	149	106	170	85	128	21	21	21	21	21	0	0	0
12	42	21	42	229	250	104	83	21	21	0	0	0	0	21	21	0	0	0
13	0	0	42	396	375	83	0	0	0	0	0	0	21	21	0	0	0	0
14	125	42	167	188	83	63	21	0	0	0	0	0	21	21	0	0	104	0
15	21	42	21	354	83	42	21	21	83	63	42	0	21	0	21	0	21	42
16	0	21	63	167	125	42	42	21	104	63	21	21	21	21	21	104	0	63
17	21	21	63	42	21	21	146	146	271	83	21	0	0	0	0	0	42	271
18	0	0	0	0	0	0	21	21	21	0	0	0	0	0	0	0	63	83
19	271	42	0	0	0	0	0	0	0	0	0	0	0	42	63	333	500	0
20	250	42	42	0	0	0	0	0	0	0	0	0	0	83	63	250	271	21
21	319	319	0	0	0	0	0	0	0	0	0	0	0	0	0	188	479	0
22	0	375	42	83	104	313	83	0	0	0	0	0	0	0	0	128	234	0
23	0	0	0	0	0	42	792	167	0	0	0	0	0	0	0	0	0	0
24	21	0	42	0	42	250	438	83	0	21	42	21	0	0	0	0	0	0
25	250	21	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	208	0	0	0	0	0	0	0	0	0	0	0	0	21	21	0	42	0
27	438	0	0	0	0	0	0	0	0	0	0	0	0	0	167	458	63	63
28	375	0	0	0	0	0	0	0	0	0	0	0	0	0	63	729	0	0
29	83	0	0	0	0	0	0	0	0	0	0	0	0	21	229	146	229	0
30	438	42	0	0	0	0	0	0	0	0	0	21	21	21	250	188	458	0
월	Month	118	38	32	76	76	89	51	44	53	22	12	15	24	62	78	173	38

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1991년 7월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 31	Month
기압 평균 Ave. Station	978	970	991	997	996	1004	1000	1006	1006	1009	996	1007	995	993	1007	991	991
기최	1009	994	991	988	986	988	985	983	986	981	980	988	981	969	988	994	994
압최	982	980	997	998	1006	1006	1009	1010	1010	1012	1005	1009	1005	1002	1010	1012	1012
나타난 시간 Time (hPa)	0545	2359	2312	0703	0403	1833	2400	0529	2400	0352	2359	1806	0001	2400	2314	1001	10일
최저 Lowest	0418	0014	1759	0003	1339	2317	0104	2359	1402	0623	2357	1139	0023	2359	2400	0623	0623
Air Press.	1006	986	986	982	982	986	980	981	984	972	972	987	974	962	977	981	962
나타난 시간 Time	0005	0928	0038	0138	2151	0001	1534	2355	0240	2353	1408	0002	2355	0028	0018	981	29일
기온 평균 Average	-8.8	-2.2	-2.6	-1.8	-1.1	-5.4	-2.7	-5.9	-4.6	-3.9	-4.1	-8.1	-4.4	-5.2	-6.4	-6.5	-6.5
평균최고 Ave. Maximum	-4.6	-0.5	-4.9	-6.8	-10.9	-11.5	-10.6	-7.8	-9.5	-7.6	-6.7	-8.3	-6.7	-13.0	-14.3	-9.5	-9.5
평균최저 Ave. Minimum																	-3.2
온도																	-9.8
최고 Highest	-6.6	0.2	-0.5	-0.7	-0.1	-0.6	-0.7	-4.2	-1.5	-1.5	-2.1	-5.4	-2.2	-4.0	-5.1	1.2	1.2
(℃)	-2.6	1.2	-0.6	-5.2	-8.4	-10.8	-9.0	-0.3	-1.9	-0.6	-0.5	-2.8	-2.3	-4.0	-11.7	-3.9	17일
나타난 시간 Time	1714	0934	2239	0005	2311	0002	1323	1308	0644	0053	1219	2329	1816	0006	2313		
최저 Lowest	2104	0556	0002	1655	0036	1247	0658	2126	0001	2322	0319	1026	1643	0419	1449	2206	2206
Air Temp.	-11.1	-10.2	-4.7	-2.5	-2.3	-8.1	-6.1	-9.4	-8.0	-6.4	-10.2	-10.7	-7.4	-8.3	-9.1	-18.5	-18.5
나타난 시간 Time	-7.2	-4.5	-7.0	-8.8	-11.8	-12.7	-12.2	-12.5	-12.7	-13.0	-12.6	-12.7	-11.8	-18.5	-18.1	-13.5	29일
평균습점온도(℃)	0231	0036	0756	1153	0113	1033	0005	0548	1923	0520	2314	0408	0807	2156	0653	0616	0616
Average Dewpoint Temperature	1026	0036	2350	2333	1709	1952	2355	0140	2356	0151	2241	0130	0240	1907	0212	0616	0616
	-14.3	-7.0	-7.8	-6.5	-5.5	-12.6	-9.0	-12.6	-11.4	-10.3	-9.7	-14.3	-10.5	-12.2	-13.2	-12.2	-12.2
	-10.3	-5.5	-10.2	-12.0	-16.5	-17.7	-16.8	-12.9	-15.0	-13.1	-12.5	-14.2	-11.8	-18.9	-20.2	-15.1	-15.1

1991년 7월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.5	3.3	1.4	-	0.1	-	-	-	-	-	1.8	-	-	-	-	-	10.7
Total Precipitation	0.0	0.4	0.1	*	*	*	*	*	0.7	1.2	0.6	-	0.3	-	-	-	0.3
상대 평균	88.	92.	90.	93.	92.	78.	79.	78.	73.	77.	83.	80.	80.	71.	71.	71.	84.
대습최소	82.	84.	83.	87.	87.	84.	84.	88.	86.	87.	83.	82.	89.	86.	88.	88.	87.
습도	80.	84.	82.	87.	87.	63.	55.	59.	58.	62.	74.	70.	62.	58.	62.	62.	55.
도	73.	65.	74.	77.	81.	76.	77.	81.	81.	75.	75.	63.	72.	78.	82.	80.	7일
(1%) 나타난 시간 Time	0430	0023	0234	1243	0549	2001	1632	0310	1732	0443	0047	0601	1631	2056	1257		
R.H.	0014	0434	2310	0012	2058	2247	0034	0035	0354	0920	2033	1437	1644	0115	2333	0332	
바	7.3	12.3	11.4	8.3	7.1	4.9	6.3	4.5	2.8	4.8	9.9	2.8	9.0	9.4	3.6		8.2
합성 풍향	5.8	8.0	7.6	12.1	14.3	7.3	9.7	10.2	11.6	11.5	10.2	2.1	2.9	15.6	14.7		7.2
Direction	WNW	WNW	WNW	NW	NNW	W	WNW	NNE	E	NNW	WSW	NNE	WNW	SW	N		ENE
람순간최대	23.4	26.9	29.2	16.4	15.4	17.5	23.6	17.1	17.1	19.8	23.0	14.1	26.9	27.1	9.8		37.0
Greatest Gust	14.1	19.4	21.4	29.4	33.7	20.5	28.7	26.5	26.1	29.0	23.1	11.5	12.9	37.0	24.3		29일
(m/s) 풍향	W	WNW	W	WNW	WNW	SSW	SSW	N	SSW	WNW	WSW	E	SW	SW	N		E
Direction	N	N	ENE	E	E	E	E	ENE	ENE	ENE	NNE	ENE	N	E	SSE		N
Wind 나타난 시간 Time	0159	0958	0837	0159	2315	0428	1841	0924	0232	1849	1410	0155	1747	0016	1404		
	2021	0851	2307	2205	0127	0004	1739	1240	2351	0052	0105	0130	1740	1244	0936		1907
구름(1/8)	7.8	7.4	7.6	8.0	8.0	4.4	4.6	4.6	1.6	4.8	7.2	5.2	4.6	2.8	7.6		6.7
Average Amount of Cloud	7.6	8.0	8.0	8.0	8.0	8.0	8.0	8.0	6.8	5.8	8.0	5.0	7.6	8.0	8.0		8.0
폭풍설 시작 시간 Start Time																	0720
Blizzard																	1920
끝 시간 End Time																	
계속 시간 Duration of Blizzard																	3600
																	6800

1991년 7월

요 소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	1172	1190	1177	1213	1306	1549	1220	1150	1462	1781	1290	1505	1538	1437	1342	1324	1196	1410	1293	1351	1780	1392	1937	2017	2808	1835	2093	1824	1575	1737	2236	48140
적 설 최 심 Max. Depth Snow Cover	71.0	81.0	87.0	78.0	77.0	77.0	76.0	74.0	74.0	74.0	78.0	77.0	76.0	70.0	66.0	66.0	66.0	66.0	66.0	117.0	124.0	76.0	151.0	140.0	135.0	128.0	125.0	121.0	70.0	66.0	66.0	
신적설 합 계 Total	5.0	20.0	9.0	-	-	-	-	-	-	-	8.0	-	-	-	-	-	4.0	4.0	4.0	4.0	4.0	7.0	4.0	-	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Snow Fall (cm)	-	4.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
기상현상	맑음 Clear	개임 Partly Cloudy	흐림 Cloudy	눈 Snow	비 Rain	진눈깨비 Sleet	안개 Fog	박무 Mist	유빙 Drift Ice (Marian Cove/Maxwell Bay)																							
Meteo. Phenomena																																

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 7월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW
1	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.4	15.5	8.6	9.0
2	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.1	23.4	26.9	19.7	18.3
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	29.2	26.9	15.7	5.4
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	13.3	12.3
5	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	14.1	13.6
6	4.9	2.8	0.0	4.3	6.0	2.4	5.0	0.0	7.6	17.5	13.3	0.0	16.2	14.9	11.7	7.9
7	9.3	0.0	0.0	5.6	3.5	10.7	5.3	4.9	19.3	23.6	17.0	17.3	18.2	11.8	11.8	8.5
8	17.1	3.8	3.5	10.4	15.3	12.9	6.2	0.0	0.0	2.1	0.0	0.0	0.0	7.3	9.6	10.8
9	4.9	0.0	4.2	6.0	4.0	14.4	8.9	11.1	13.8	17.1	14.3	0.0	0.0	0.0	4.5	5.4
10	10.2	0.0	5.2	5.6	4.7	0.0	0.0	9.7	0.0	0.0	0.0	3.2	0.0	19.8	14.5	8.7
11	0.0	0.0	0.0	0.0	17.6	17.5	17.8	0.0	18.4	0.0	19.7	23.0	17.0	18.2	9.9	8.6
12	5.6	4.1	2.6	11.0	14.1	12.9	0.0	4.2	0.0	0.0	3.1	2.0	0.0	0.0	8.9	8.3
13	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	26.9	9.7	0.0	12.1	12.8	14.0
14	0.0	0.0	2.9	6.9	0.0	9.3	0.0	0.0	0.0	8.0	27.1	11.9	0.0	5.1	0.0	0.0
15	9.8	6.4	4.9	5.1	0.0	0.0	0.0	0.0	0.0	2.8	0.0	4.8	0.0	6.1	6.7	6.6
16	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.5	13.4
17	19.4	17.8	0.0	1.2	0.0	3.1	4.7	2.9	4.4	0.0	0.0	0.0	0.0	5.2	7.1	11.9
18	0.0	2.9	18.5	21.4	13.2	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	22.8	29.4	28.9	19.3	19.8	16.4	13.6	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	33.7	25.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	10.8	14.8	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	11.4	24.3	28.7	8.0	5.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	23.0	26.5	19.6	0.0	8.2	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	24.2	26.1	23.8	23.8	20.9	19.3	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0
25	0.0	26.3	25.4	29.0	16.6	16.4	15.7	14.2	0.0	9.3	6.1	0.0	0.0	0.0	0.0	0.0
26	0.0	23.1	19.3	15.2	20.6	16.8	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	3.4	9.9	11.1	11.5	6.6	3.8	4.3	5.7	5.8	3.6	4.2	2.2	0.0	0.0	3.9	4.2
28	12.9	12.3	0.0	2.5	1.6	0.0	3.1	0.0	0.0	2.8	0.0	2.1	2.2	3.9	7.3	8.9
29	13.4	14.1	0.0	0.0	37.0	24.3	0.0	0.0	24.9	27.5	27.6	31.2	4.7	2.9	6.0	0.0
30	0.0	0.0	0.0	0.0	0.0	21.8	24.2	24.3	22.4	22.7	22.8	23.8	23.1	0.0	0.0	0.0
31	20.9	0.0	4.2	4.9	0.0	0.0	0.0	14.0	11.8	15.8	8.1	4.5	6.9	8.4	11.2	12.7
월 Month	20.9	26.3	25.4	29.0	37.0	28.9	24.2	24.3	24.9	27.5	27.6	31.2	29.2	26.9	19.7	18.3

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1991년 7월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM
1	106	0	0	0	0	0	0	0	0	0	0	0	362	170	149	191	21
2	83	0	0	0	0	0	0	0	0	0	0	63	521	83	146	104	0
3	0	0	0	0	0	0	0	0	0	0	146	333	396	104	21	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	250	458	292	0	0
5	104	0	0	0	0	0	0	0	0	0	0	0	63	125	708	0	0
6	42	21	0	21	63	21	63	0	83	125	21	0	167	271	63	42	0
7	63	0	0	21	125	21	21	21	21	63	42	63	167	167	146	63	0
8	298	21	43	234	128	64	21	0	21	0	0	0	0	64	43	64	0
9	21	0	125	229	21	83	83	104	167	21	21	0	0	21	42	63	0
10	125	0	0	0	42	146	104	0	21	0	63	125	229	229	21	21	0
11	0	0	0	0	42	146	104	0	21	0	63	125	229	229	21	21	0
12	125	42	63	271	63	63	0	21	0	0	21	21	0	0	21	146	146
13	146	0	0	0	0	0	0	0	0	21	271	21	0	104	292	125	21
14	0	0	21	104	0	42	0	0	0	21	688	83	0	21	0	0	21
15	375	63	63	208	0	0	0	0	0	21	0	21	0	21	146	63	21
16	333	0	0	0	0	0	0	0	0	0	0	0	0	21	42	604	0
17	521	125	0	21	0	21	21	21	42	0	0	0	0	42	21	146	21
18	0	21	167	250	83	458	0	0	0	0	0	0	0	0	0	0	21
19	0	0	0	42	146	208	292	229	63	21	0	0	0	0	0	0	0
20	0	0	0	0	875	125	0	0	0	0	0	0	0	0	0	0	0
21	0	0	313	542	146	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	83	271	500	63	42	21	0	0	0	0	0	0	0	0	21
23	0	0	396	396	125	0	21	0	0	42	0	0	21	0	0	0	0
24	0	0	208	417	167	125	63	21	0	0	0	0	0	0	0	0	0
25	0	146	208	271	63	104	146	21	0	21	21	0	0	0	0	0	0
26	0	208	167	208	313	83	0	0	21	0	0	0	0	0	0	0	0
27	83	63	83	146	21	63	42	42	104	21	21	21	0	0	42	104	146
28	208	63	0	42	21	0	21	0	0	42	0	42	21	42	63	188	250
29	104	104	0	0	229	146	0	0	21	42	208	83	21	21	21	0	0
30	0	0	0	0	0	146	333	146	21	63	21	208	63	0	0	0	0
31	146	0	21	42	0	0	42	83	104	42	42	21	42	42	63	354	0
월 Month	93	28	70	123	98	67	41	24	21	21	46	30	63	71	67	112	24

89251 남극세종과학기지(KAPP)

1991년 8월

일	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15	31	월
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month	
기압 평균 Ave. Station	988	978	983	997	1007	1010	1014	1001	996	988	993	1002	984	981	971	987	
최고 Highest	967	962	961	971	988	979	983	1000	992	982	969	966	983	996	1006	993	
나타난 시간 Time (hPa)	971	972	965	981	991	987	999	1002	1000	986	977	973	990	1003	1008	1016	1016
최저 Lowest	2047	0005	2359	2359	1059	2359	0959	0003	0417	0011	2340	0733	0002	0250	0040	0001	0002
Air Press. 나타난 시간 Time	2318	0159	2311	2359	1703	0001	2357	1640	0136	1036	0026	2400	2400	2400	1429	0001	0001
최저 Lowest	980	969	975	990	1006	1008	1009	998	991	986	983	991	980	979	961	961	951
Air Press. 나타난 시간 Time	960	951	953	964	981	976	974	999	982	976	965	963	972	990	1002	986	17일
0251	1135	0025	0007	0008	0119	2358	2243	2340	1453	0509	2352	1851	2340	1619			
0640	2125	0007	0233	0003	2335	0326	0020	2353	1939	1623	0837	0002	0002	2400	1641		
기온 평균 Average	-8.2	-9.6	-20.7	-23.0	-18.4	-13.6	-4.5	-1.6	-0.8	-0.9	-10.0	-4.9	0.8	0.3	-0.5	0.6	-6.6
평균최고 Ave. Maximum	-9.1	-8.5	-4.4	-13.2	-8.4	0.3	-3.0	-1.3	0.0	-1.7	-2.7	-8.6	-11.2	-10.9	-8.1	0.6	-3.2
평균최저 Ave. Minimum																	-10.5
온도	-5.3	-2.4	-17.5	-21.6	-13.7	-10.1	-1.8	-0.2	0.2	0.3	-5.6	0.8	1.7	1.5	1.4	1.5	2.4
최고 Highest	-3.2	1.2	-0.1	-9.7	-1.0	2.4	1.4	0.7	0.9	0.8	-0.6	-3.0	-8.0	-9.4	-1.3	1.5	21일
(°C) 나타난 시간 Time	0304	1303	0001	0005	1940	2400	2007	1520	1924	1356	0009	2249	1009	0517	0301		
0556	2158	0002	0016	2359	2203	0146	1638	2238	0143	1318	0105	1412	0441	2127	1631		
Air Temp. 최	-10.3	-17.7	-21.9	-24.0	-24.4	-16.4	-10.1	-3.8	-3.2	-5.8	-14.6	-12.2	0.0	-0.8	-6.2		-24.4
최저 Lowest	-16.0	-15.8	-10.1	-15.5	-11.2	-1.4	-10.1	-9.4	-1.8	-4.6	-5.6	-11.1	-13.5	-12.9	-13.3	-1.6	5일
나타난 시간 Time	2215	2400	1915	1610	0207	0416	0003	2149	0008	2359	2045	0022	2337	2147	2358		
1858	0453	2342	2011	0329	0018	2153	0002	0735	0958	2327	2357	2110	2350	0519	0001		
평균습점온도(°C)	-13.8	-15.3	-27.3	-29.9	-25.1	-20.3	-10.1	-6.8	-5.7	-5.4	-16.5	-11.1	-3.9	-4.4	-5.8		-12.4
Average Dewpoint Temperature	-15.0	-14.4	-11.1	-19.2	-14.8	-4.9	-9.0	-6.7	-5.1	-6.7	-8.2	-14.4	-18.7	-17.6	-14.1	-4.1	

요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
강수량(mm)	1.7	*	*	*	0.0	-	0.0	1.0	-	0.8	2.4	-	-	1.7	0.7	19.6																
Total Precipitation	2.6	*	0.6	1.4	-	0.4	1.0	0.0	0.1	0.2	0.0	4.2	0.1	0.2	0.0	0.5																
상대 습도	88.	86.	82.	79.	82.	84.	88.	87.	89.	91.	80.	81.	87.	87.	85.	84.																
최소	86.	86.	74.	85.	84.	84.	80.	87.	87.	93.	84.	84.	73.	79.	84.	90.																
최대	80.	79.	75.	73.	72.	77.	78.	77.	81.	87.	63.	67.	76.	73.	69.	40.																
도	73.	70.	52.	79.	69.	74.	46.	68.	64.	85.	71.	40.	60.	64.	65.	81.	27일															
(1%) 나타난 시간 Time	1336	1442	1951	1933	0030	1315	0028	1912	0325	1035	1744	0001	0404	2331	1115																	
R.H.	1532	0901	1317	1431	1558	2203	1848	0135	0633	1810	2231	2205	1157	0001	1147	1831																
바	4.3	11.4	13.8	11.0	4.6	5.8	9.6	12.4	11.7	10.1	7.7	13.3	14.3	9.8	14.3	9.4																
합성 풍향 Direction	ESE	ENE	S	SSE	NW	NW	NNW	NNW	NW	NW	NW	N	N	N	N	N																
순간 최대 Greatest Gust	13.9	27.8	23.5	21.8	11.3	16.4	19.6	26.0	20.8	20.0	19.8	29.0	28.8	17.2	33.9	33.9																
(m/s) 풍향 Direction	21.3	29.6	20.9	22.3	16.7	17.2	15.9	18.4	24.8	22.5	19.8	20.7	22.9	9.5	19.1	28.8	15일															
Wind 나타난 시간 Time	E	ESE	S	SSE	NNW	NNW	N	N	NNW	NW	SSW	NNE	N	N	NNE	NNE																
	SW	E	NE	ESE	W	N	N	NNW	N	N	NNW	E	E	W	NW	NW																
구름(1/8)	0828	1616	1015	0857	1855	2203	2343	0440	2143	1358	0942	1737	0913	0652	1538																	
Average Amount of Cloud	1147	1742	1636	1018	0752	2113	0157	2101	1804	1939	1628	2307	0130	1401	2204	1552																
폭풍설 시작 시간 Start Time	7.8	8.0	8.0	5.0	8.0	4.8	8.0	6.8	8.0	8.0	2.4	6.8	8.0	6.4	7.0	6.7																
끝난 시간 End Time	4.4	8.0	7.4	6.2	4.0	6.4	6.0	8.0	7.8	7.6	4.6	8.0	5.2	7.6	6.8	8.0																
계속 시간 Duration of Blizzard	1510	1350	1950	2340	0220/0340	0600																										
3540																																

1991년 8월

요 소 Element	일 Date												월 Month			
	16	17	18	19	20	21	22	23	24	25	26	27		28	29	30
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	1909	1752	2104	2601	2518	2445	2248	1923	2172	2212	3908	3348	2373	2405	2715	103469
	3645	2532	3666	3270	4746	3113	4110	3251	4387	3878	4906	3757	5618	4637	6823	4497
눈	147.0	*	*	184.0	173.0	168.0	158.0	149.0	146.0	139.0	148.0	137.0	131.0	130.0	122.0	
Max. Depth Snow Cover	140.0	172.0	164.0	166.0	163.0	163.0	162.0	160.0	154.0	150.0	149.0	165.0	166.0	161.0	160.0	160.0
신적설 합 계 Total	11.0	*	*	*	-	-	-	7.0	-	6.0	11.0	-	-	7.0	3.0	140.0
Snow Fall	34.0	*	3.0	11.0	-	2.0	7.0	-	1.0	2.0	-	29.0	2.0	2.0	-	2.0
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Max. Depth Snow Cover				</												

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 8월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		5.4	0.0	9.8	13.4	13.9	11.9	9.1	7.9	6.2	8.6	10.4	0.0	0.0	4.4	4.1	0.0
2		11.4	27.4	25.6	19.3	24.2	27.8	21.8	25.3	23.0	0.0	5.0	5.0	0.0	5.0	0.0	7.3
3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	23.5	23.2	0.0	0.0	0.0	0.0	0.0	0.0
4		0.0	0.0	0.0	0.0	0.0	0.0	10.6	21.8	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5		0.0	2.3	4.3	0.0	0.0	2.5	4.8	4.1	3.6	0.0	0.0	0.0	0.0	11.2	9.7	11.3
6		10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	9.6	10.1	16.4
7		19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	18.6	17.0
8		26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	14.9	18.9
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	20.0	20.8
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	20.0	19.3
11		12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	19.8	16.4	15.5	16.4	12.5	16.0	13.1
12		28.6	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	18.1
13		28.8	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14		17.2	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2
15		28.1	33.9	33.7	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	20.9	19.2
16		14.3	0.0	5.4	0.0	0.0	6.0	12.5	17.7	8.8	0.0	21.3	18.2	17.4	15.7	13.0	13.8
17		19.6	22.6	23.7	24.0	29.6	8.1	0.0	0.0	6.8	4.3	0.0	1.7	0.0	8.6	13.8	13.8
18		17.5	19.2	20.9	8.7	17.5	20.3	13.9	0.0	0.0	4.5	4.4	4.3	0.0	11.1	15.0	17.8
19		0.0	0.0	0.0	18.6	20.5	22.3	0.0	8.9	9.6	0.0	0.0	0.0	5.6	0.0	8.7	8.3
20		12.8	8.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	11.4	16.7	8.7	7.4	9.4
21		17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3
22		15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	13.9	13.1	10.2	10.2	10.0
23		6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	18.4
24		24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0
25		22.5	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	14.7	15.7
26		19.1	19.3	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8
27		8.0	0.0	0.0	0.0	20.7	19.2	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28		4.2	3.6	5.8	4.8	22.9	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
29		7.3	3.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	9.5	6.2	7.0	6.6
30		10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	17.4	19.1	13.0
31		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8	22.5	13.1
월	Month	28.8	33.9	33.7	24.0	29.6	27.8	21.8	25.3	23.5	23.2	21.3	18.2	17.4	28.8	22.5	20.8

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1991년 8월

요소 일 Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1	43	0	149	213	43	43	64	21	213	85	21	0	0	64	43	0	0
2	167	167	104	21	63	208	63	83	21	0	21	21	0	21	0	42	0
3	0	0	0	0	0	0	63	854	83	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	104	750	146	0	0	0	0	0	0	0	0
5	0	21	42	0	0	21	146	125	42	0	0	0	0	146	104	354	0
6	42	0	0	0	0	0	0	0	0	0	0	0	104	188	333	333	0
7	63	0	0	0	0	0	0	0	0	0	0	0	42	313	583	0	0
8	458	0	0	0	0	0	0	0	0	0	0	0	63	250	229	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	21	521	458	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	104	688	208	0
11	42	0	0	0	0	0	0	0	21	83	104	42	188	167	229	125	0
12	532	128	0	0	0	0	0	0	0	0	0	0	0	21	319	0	0
13	896	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	813	42	0	0	0	0	0	0	0	0	0	0	0	0	146	0	0
15	333	188	188	42	0	0	0	0	0	0	0	0	0	125	104	21	0
16	104	0	21	0	0	21	21	63	63	0	42	42	188	188	125	125	0
17	125	42	125	83	313	21	0	0	21	21	0	21	0	21	83	104	21
18	125	63	125	21	21	63	21	0	0	21	21	21	0	83	229	188	0
19	0	0	0	42	479	188	0	63	42	0	0	0	21	0	83	83	0
20	146	42	21	0	0	0	0	0	0	0	21	21	396	104	104	125	21
21	938	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	0
22	417	0	0	0	0	0	0	0	0	0	104	42	42	83	167	146	0
23	21	0	0	0	0	0	0	0	0	0	0	0	0	0	271	708	0
24	875	0	0	0	0	0	0	0	0	0	0	0	0	0	125	0	0
25	521	21	0	0	0	0	0	0	0	0	0	0	0	83	125	250	0
26	542	167	42	0	0	0	0	0	0	0	0	0	0	0	0	250	0
27	83	0	0	0	688	208	0	21	0	0	0	0	0	0	0	0	0
28	42	21	188	167	313	167	0	0	0	0	0	0	0	21	0	0	83
29	83	146	42	0	0	0	0	0	0	21	0	0	292	125	125	167	0
30	375	0	0	0	0	0	0	0	0	0	0	0	21	83	229	292	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	521	438	42	0
월 Month	251	37	34	19	62	30	13	38	46	9	11	7	40	73	148	177	4

89251 남극 세종과학기지(KARP)

1991년 9월

요소 Element	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	31	월 Month
기압 평균 Ave. Station	991	992	1007	999	980	976	981	990	1002	998	966	973	984	970	976			996
기압 최고 Highest	988	1002	1009	1016	1012	1008	1005	1005	1005	1005	997	1005	1019	1018	1006	1009		1023
기압 나타난 시간 Time (hPa)	997	1005	1013	1018	1016	1009	1008	1008	1008	1008	1001	1013	1023	1022	1011	1014		27일
기압 최저 Lowest	0512	2359	2252	0006	2220	0204	2359	2358	2300	0152	0031	2400	0518	0005	1602			
기압 Air Press.	2359	2259	2400	1458	0013	2254	0006	2355	0011	2255	2400	2214	0051	0003	2243			
기압 나타난 시간 Time	988	990	999	979	978	973	974	985	995	981	961	959	981	964	966			959
기압 최저 Lowest	978	997	1005	1013	1008	1007	1002	1002	996	993	1000	1013	1011	1004	1004			12일
기압 나타난 시간 Time	1737	1459	0010	2356	1410	1949	0010	0855	0006	2400	0820	0354	2400	2114	0014			
기압 최저 Lowest	0041	0004	0003	0024	2400	0817	2027	0121	2356	0535	0003	0010	2400	1732	0203			
기온 평균 Average	0.5	-0.9	-3.3	0.6	0.7	-1.7	-4.3	-4.2	-3.2	-0.1	0.2	-3.8	-1.5	-0.5	-3.9			-2.9
기온 평균 최고 Ave. Maximum	-4.1	-5.1	-2.9	-5.9	-4.9	-4.5	-4.7	-5.0	-2.3	1.3	-3.8	-7.6	-5.5	-3.0	-3.2			-0.6
기온 평균 최저 Ave. Minimum																		-5.4
기온 최고 Highest	1.0	0.4	-0.6	2.5	4.0	0.3	-2.5	-1.5	0.2	1.6	1.2	-0.5	-0.1	0.4	-2.2			4.1
기온 (°C)	-1.4	-1.3	0.1	-4.0	-2.9	-2.7	-3.6	-4.1	0.9	4.1	3.5	-6.3	-3.3	-1.5	-0.7			25일
기온 나타난 시간 Time	0359	1405	1320	0603	0914	0030	0916	0916	1059	1143	1046	0007	2326	1050	0104			
기온 최저 Lowest	1432	1413	1150	0041	1326	1322	1433	1410	1624	1608	0156	2309	1259	1431	0913			
기온 Air Temp.	-0.4	-4.5	-5.6	-1.4	-2.7	-3.8	-7.9	-7.4	-6.8	-2.2	-0.9	-5.7	-6.6	-3.0	-5.4			-10.7
기온 나타난 시간 Time	-7.4	-10.7	-5.8	-7.4	-6.7	-5.6	-6.1	-5.8	-7.6	-0.4	-8.7	-8.9	-8.2	-4.2	-5.2			17일
기온 최저 Lowest	2358	2341	0729	0015	2221	2338	0821	0339	1906	0002	2355	1024	0136	2355	0825			
기온 나타난 시간 Time	1851	0440	2238	0618	0301	0834	0429	2222	0501	0331	2252	0512	0603	0538	0457			
평균추진온도(°C)	-4.1	-5.9	-9.3	-4.8	-4.1	-6.4	-10.3	-10.1	-8.6	-5.1	-4.0	-9.7	-6.5	-5.2	-10.2			-8.5
Average Dewpoint Temperature	-10.3	-11.7	-8.8	-13.2	-11.4	-11.0	-11.4	-11.6	-8.5	-4.3	-9.4	-12.9	-10.5	-8.1	-8.8			

1991년 9월

일 Date	1991년 9월																																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
요소 Element	0.2	0.1	-	3.4	1.4	0.4	0.2	0.0	0.2	12.5	11.9	-	0.0	0.3	0.3	31.9	89.	88.	81.	84.	90.	90.	81.	84.	86.	88.	89.	95.	84.	91.	94.	79.	84.
강수량(mm)	-	-	-	-	-	-	0.0	0.0	0.0	0.2	12.5	11.9	-	0.0	0.3	0.3	31.9	80.	76.	80.	70.	75.	78.	78.	77.	79.	86.	92.	94.	94.	92.	84.	
Total Precipitation	-	-	-	-	-	-	0.0	0.0	0.0	0.2	12.5	11.9	-	0.0	0.3	0.3	31.9	83.	74.	62.	57.	64.	70.	63.	70.	64.	77.	81.	68.	80.	77.	56.	49.
평균 Average	0.031	0.2030	0.932	0.557	1.257	0.001	1.056	1.346	1.252	0.558	1.858	1.931	0.132	2.359	1.257	1.549	60.	60.	64.	59.	63.	67.	49.	65.	55.	50.	62.	84.	86.	88.	84.	22일	
최소 Lowest	0.031	0.2030	0.932	0.557	1.257	0.001	1.056	1.346	1.252	0.558	1.858	1.931	0.132	2.359	1.257	1.549	0031	2030	0932	0557	1257	0001	1056	1346	1252	0558	1858	1931	0132	2359	1257	1549	
나타난 시간 Time (1%) R.H.	0.031	0.2030	0.932	0.557	1.257	0.001	1.056	1.346	1.252	0.558	1.858	1.931	0.132	2.359	1.257	1.549	0043	1314	1239	1738	1443	1240	1550	0155	1352	0151	0950	1143	8.1				
평균 24 hour ave.	13.5	8.2	4.9	12.5	10.5	6.7	4.6	6.4	3.1	17.8	23.9	10.3	8.2	13.6	10.7	8.1	5.6	3.7	2.5	5.4	1.8	4.6	7.6	4.7	8.3	13.8	15.4	7.9	2.4	2.8	2.0	NNW	
바 합성 풍향 Direction	NNW	NNW	NNW	NNE	N	N	NW	WNW	W	NE	NNE	E	E	ESE	E	NNW	NNW	NNW	SE	E	NNE	SSE	WSW	W	NE	NNE	E	E	ESE	E	NNW	NNW	
람 순간 최대 Greatest Gust (m/s)	23.6	19.0	12.0	29.1	24.6	22.2	15.2	19.3	13.0	39.2	46.6	31.0	16.4	22.8	23.2	46.6	16.2	12.5	8.5	21.6	8.4	9.4	15.9	14.4	25.8	26.7	38.6	21.0	11.4	11.3	7.0	11일	
풍향 Direction	WNW	WNW	WNW	NNE	NNE	N	W	WNW	N	NNE	NNE	NNE	ESE	SE	N	NNE	WNW	W	WSW	E	SSW	SSE	WSW	WSW	NNE	NNE	E	ESE	SE	N	ESE	NNE	
Wind 나타난 시간 Time	0246	1823	2010	2207	0021	0051	1358	0846	2313	2257	0115	0305	0952	2104	1442	2204	0003	0206	0719	2059	0554	1235	0020	2353	0033	1412	0112	0133	0333	1204	6.2		
구름(1/8)	8.0	8.0	0.0	8.0	5.8	7.8	3.8	3.4	3.8	8.0	7.6	5.4	8.0	8.0	6.8	6.2	4.4	2.6	3.4	4.2	7.8	5.4	7.2	7.6	7.8	7.0	8.0	8.0	6.6	6.4	8.0		
Average Amount of Cloud	8.0	8.0	0.0	8.0	5.8	7.8	3.8	3.4	3.8	8.0	7.6	5.4	8.0	8.0	6.8	6.2	4.4	2.6	3.4	4.2	7.8	5.4	7.2	7.6	7.8	7.0	8.0	8.0	6.6	6.4	8.0		
폭풍설 시작 시간 Start Time																																	
Blizzard																																	
계속 시간 Duration of Blizzard																																	

0750
2010
1220

1991년 9월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	3909	4957	9271	5215	6462	5202	6364	7029	7463	5295	5861	8579	4876	4485	8146	238970
	8391	9759	11741	11765	7538	11361	7861	8510	7892	9415	10590	7485	11113	14898	7537	
적 설 최 심 Max. Depth Snow Cover	151.0	143.0	141.0	140.0	135.0	134.0	131.0	130.0	130.0	128.0	120.0	115.0	115.0	115.0	117.0	
	115.0	115.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	110.0	108.0	131.0	127.0	127.0	127.0	
신적설 합 계 Total	-	-	-	-	6.0	3.0	2.0	1.0	-	-	-	-	-	2.0	3.0	17.0
최 심 Max. Depth Snow Fall	-	-	-	-	-	-	-	-	-	-	*	*	-	-	-	6.0
날 Date																5일
맑 울 Clear			v													1
개 입 Partly Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	10
흐 림 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	19
눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	15
비 Rain	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	7
진 눈 개 비 Sleet				v	v	v	v	v	v	v	v	v	v	v	v	6
안 개 Fog			v			v		v	v	v			v			4
박 무 Mist	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	15
유 빙 Drift Ice (Marian Cove/Maxwell Bay)		MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 9월

요소 일 Date	북 N	북북동 NNE	북동 NE	북북서 ENE	북서 E	동북동 E	동북서 ESE	남북동 SE	남북서 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6	23.0	0.0
2	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	19.0	13.8	14.5
3	10.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	10.3	12.0
4	16.1	29.1	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6
5	23.1	24.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7
6	22.2	0.0	2.7	0.0	7.8	7.4	8.5	10.5	8.2	4.3	0.0	6.1	0.0	9.5	11.4	0.0	0.0
7	6.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	10.1	15.2	15.1	10.8	8.2	0.0
8	4.3	3.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	18.9	19.3	16.1	12.2	0.0
9	13.0	2.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	6.1	6.6	11.0	0.0
10	19.6	39.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	31.2	46.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.1
12	6.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	17.0	12.1	23.6	24.0	31.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	15.9	14.4
14	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.1	22.8	21.8
15	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5	23.2	12.6	10.6	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	16.2	12.4	12.3	9.8	6.2	0.0
17	6.9	8.3	0.0	0.0	0.0	7.4	0.0	0.0	5.6	11.4	11.1	12.5	9.7	7.2	7.6	0.0	0.0
18	0.0	0.0	0.0	0.0	8.0	7.8	5.6	5.9	6.6	0.0	5.9	8.5	0.0	0.0	0.0	0.0	3.9
19	0.0	0.0	1.7	1.5	21.6	11.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
20	2.7	2.5	2.9	2.5	0.0	0.0	0.0	5.5	7.5	8.4	0.0	0.0	0.0	0.0	0.0	0.0	3.1
21	0.0	0.0	0.0	0.0	0.0	6.9	9.3	9.4	9.4	6.2	3.8	0.0	3.9	8.2	0.0	2.7	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	15.9	15.5	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	14.4	14.1	10.0	6.3	7.5	0.0
24	10.2	25.8	23.3	0.0	0.0	0.0	10.1	10.4	6.2	7.2	8.5	6.1	0.0	0.0	0.0	8.1	0.0
25	19.3	26.7	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7
26	0.0	18.5	18.6	0.0	38.6	27.3	16.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	16.2	21.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	3.4	2.4	0.0	1.9	9.4	10.4	11.4	3.8	3.9	4.1	0.0	0.0	0.0	2.7	0.0	3.1	0.0
29	11.3	0.0	0.0	2.6	3.3	5.4	7.7	5.1	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	4.6	5.7	6.4	7.0	4.5	3.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
월 Month	31.2	46.6	25.1	5.7	38.6	27.3	16.2	10.4	10.5	8.4	15.8	17.0	22.5	23.6	24.0	31.0	

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1991년 9월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	CLM	
1	0	0	0	0	0	0	0	0	0	0	0	0	458	542	0	0	
2	42	0	0	0	0	0	0	0	0	0	0	21	125	229	583	0	
3	167	21	0	0	0	0	0	0	0	0	0	83	188	542	0	0	
4	250	438	271	0	0	0	0	0	0	0	0	0	0	0	42	0	
5	729	104	0	0	0	0	0	0	0	0	0	0	0	0	167	0	
6	271	0	21	0	0	83	104	125	63	21	0	42	0	21	208	21	
7	104	21	21	0	0	0	0	0	0	21	104	250	396	83	0	0	
8	21	21	21	0	0	0	0	0	0	0	292	292	229	104	0	0	
9	125	21	21	0	0	0	0	0	0	0	21	42	167	542	63	0	
10	250	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	417	479	0	0	0	0	0	0	0	63	83	396	83	229	0	0	
12	21	42	0	0	0	0	0	0	0	0	0	0	375	354	271	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	104	375	354	0	
14	167	0	0	0	0	0	0	0	0	0	0	0	104	375	354	0	
15	125	0	0	0	0	0	0	0	0	0	0	354	396	63	63	0	
16	0	0	0	0	0	0	0	0	42	125	292	229	208	104	0	0	
17	83	63	0	0	0	21	0	0	83	229	125	104	146	125	0	0	
18	0	0	0	0	229	104	229	250	83	0	42	21	0	0	42	0	
19	0	0	21	21	563	271	63	0	0	0	0	0	0	0	21	42	
20	63	125	271	42	0	0	21	21	167	0	0	0	0	0	208	83	
21	0	0	0	0	63	208	208	333	63	42	0	21	42	0	21	0	
22	0	0	0	0	0	0	0	0	0	42	375	583	0	0	0	0	
23	0	0	0	0	0	0	0	0	63	271	271	208	125	63	0	0	
24	104	42	479	0	0	21	83	104	42	21	21	0	0	83	0	0	
25	229	417	292	0	0	0	0	0	0	0	0	0	0	63	0	0	
26	0	42	42	0	479	292	83	63	0	0	0	0	0	0	0	0	
27	0	0	0	0	521	438	42	0	0	0	0	0	0	0	0	0	
28	63	21	0	104	42	146	188	21	83	21	0	0	21	0	83	208	
29	146	0	0	42	104	83	438	146	0	0	21	0	0	0	0	21	
30	0	0	21	208	188	271	42	42	0	0	0	0	0	0	0	188	
월 Month	113	87	49	14	71	56	47	31	26	13	15	40	74	104	104	137	21

89251 남극 세종과학기지(KARP)

1991년 10월

요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month
일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		10월
기압 평균 Ave. Station	1007	988	977	991	998	991	980	988	976	986	993	999	1001	998	979		985
기최 고 Highest	972	970	982	983	984	971	958	970	968	971	980	999	989	996	993		990
기압 나타난 시간 Time (hPa)	1014	996	984	996	998	998	990	992	981	990	996	1001	1001	1000	991		1014
기압 최 나타난 시간 Time	975	975	986	985	988	978	968	973	971	976	988	1003	1001	1004	1005		996
기압 최 나타난 시간 Time (hPa)	0011	0001	2356	2351	2021	0006	2400	0342	2359	2359	2359	2356	1015	0055	0001		0001
기압 최 나타난 시간 Time (hPa)	0015	2359	1506	2355	0903	0752	2359	0642	2221	2311	2359	2013	0004	2356	0114		1807
기압 최 나타난 시간 Time (hPa)	996	976	973	984	996	978	974	979	972	981	990	996	1000	990	975		955
기압 최 나타난 시간 Time (hPa)	970	967	975	981	976	957	955	967	965	968	975	988	984	985	980		980
기압 최 나타난 시간 Time (hPa)	2358	2359	0231	0011	0004	2353	0622	2329	1212	0002	0253	0052	2400	2400	2358		22일
기압 최 나타난 시간 Time (hPa)	1154	0815	0115	1353	2350	2359	0911	2143	0918	0547	0300	0011	2248	0015	2356		0033
기온 평균 Average	-3.3	-2.2	-6.1	-4.7	-3.3	-0.3	-1.9	-3.7	-5.5	-8.0	-5.6	-4.0	-5.9	-2.4	-1.6		-3.5
기온 평균 최 고 Ave. Maximum	-3.8	-8.1	-8.5	-2.8	-1.1	-1.1	-2.6	-3.4	-1.2	-3.0	-5.3	-4.3	-0.5	-1.7	-0.8		-0.4
기온 평균 최 저 Ave. Minimum																	-5.8
기온 최 고 Highest (°C)	-2.0	-0.6	-2.1	-0.8	0.5	2.2	0.9	0.0	-2.5	-6.0	-2.6	-1.5	-4.3	-0.5	0.4		2.4
기온 최 고 Highest (°C)	-2.1	-3.1	-5.4	-0.1	-0.5	-0.1	-0.4	-0.8	-0.4	2.4	-1.7	-1.2	0.5	0.0	1.0		25일
기온 최 나타난 시간 Time (°C)	2356	1128	0114	1431	1628	1504	0343	1222	0038	2217	1153	1427	1203	1546	0829		
기온 최 나타난 시간 Time (°C)	1047	0818	1636	1543	2119	2245	0005	2050	0957	0905	1055	2358	0452	1443	1427		1028
기온 최 저 Lowest (°C)	-4.2	-3.8	-9.6	-7.7	-7.0	-2.6	-5.0	-6.8	-7.8	-9.2	-7.8	-7.2	-7.0	-5.8	-3.6		-11.3
기온 최 저 Lowest (°C)	-6.4	-11.0	-11.3	-7.5	-1.9	-2.6	-5.9	-6.7	-2.7	-5.5	-6.3	-6.0	-2.7	-4.3	-3.2		18일
기온 최 나타난 시간 Time (°C)	0601	1738	0846	1953	0211	0002	1916	0246	2359	0806	0113	0030	0109	0122	1445		
기온 최 나타난 시간 Time (°C)	1825	2359	0428	0055	0410	0804	2353	0606	2046	2259	1705	0138	2349	0311	0015		0504
평균습점온도 (°C)	-8.9	-8.4	-13.2	-12.9	-9.4	-5.3	-7.3	-9.8	-10.4	-13.8	-11.8	-10.8	-12.7	-8.3	-7.4		-9.5
Average Dewpoint Temperature	-10.8	-13.7	-15.4	-8.7	-6.3	-6.4	-8.1	-9.4	-6.4	-9.4	-12.4	-11.3	-5.5	-8.9	-6.4		-6.0

1991년 10월

요소 Element	일 Date																															월 31 Month
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																
강수량(mm) Total Precipitation	-	-	0.4	-	0.0	0.0	0.5	0.0	1.0	4.3	0.0	0.0	-	-	-	5.8	29.6															
평 대 습 도 (1%) R.H.	93.	85.	74.	61.	80.	89.	85.	78.	94.	88.	90.	85.	81.	84.	83.	83.																
평균 Average	73.	87.	89.	88.	88.	87.	83.	82.	86.	75.	71.	74.	90.	72.	86.	87.																
최 소 시간 R.H.	86.	72.	51.	38.	61.	75.	74.	57.	89.	79.	86.	77.	73.	74.	61.	38.																
나타난 시간 Time	57.	63.	83.	74.	78.	69.	67.	56.	72.	57.	47.	61.	64.	60.	61.	65.																
(1%) R.H.	1235	1131	1813	1353	0845	1652	0145	0955	2211	1344	0758	1231	1533	1355	1756	1725																
1938 0108 0736 1416 0850 0736 1359 0920 2335 0909 1112 1350 2244 1444 0929 1725																																
평 균 24 hour ave.	4.3	8.6	10.9	3.8	2.2	7.7	5.8	7.4	19.5	10.3	3.8	5.7	2.9	6.5	11.7	8.2																
바 합 성 풍 향 Direction	8.0	10.5	6.9	6.3	7.8	11.5	8.3	11.2	6.9	5.0	5.6	8.6	12.6	12.0	9.6	11.0																
합성 풍향 Direction	WNW	WNW	SW	ESE	NW	N	E	E	ESE	E	SW	W	WSW	WNW	WNW	W																
람 순 간 최 대 Greatest Gust	11.4	19.3	23.2	14.7	13.6	18.6	13.7	20.2	33.8	24.4	8.7	11.3	8.1	15.6	22.5	33.8																
(m/s) 풍 향 Direction	16.5	24.2	15.1	17.3	15.8	26.5	16.8	18.9	14.9	12.6	13.5	14.8	27.0	29.7	26.1	24.0																
Wind 나타난 시간 Time	2327	1457	0547	0308	1638	2218	0041	2325	1136	0317	1633	1358	0435	2155	0346	0615																
0854 1303 0421 1353 0826 1758 0802 1104 0119 1909 2206 0938 2334 0615 1301 1156																																
구름(1/8) Average Amount of Cloud	7.0	4.8	7.0	4.6	6.4	8.0	8.0	5.2	8.0	6.0	7.8	3.8	8.0	7.2	7.4	6.9																
평균 시 작 시 간 Start Time	6.8	7.8	7.6	7.6	7.2	7.4	7.8	5.8	7.4	7.6	6.4	7.0	8.0	4.6	7.8	7.0																
폭풍설 시 작 시 간 Start Time																																
Bliz- zard	0910																															
끝 난 시 간 End Time	1710																															
계 속 시 간 Duration of Blizzard	0800																															
3100																																

1991년 10월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	16 31	월 Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	8227 9391	14538 10270	8329 11540	13767 16642	11587 11619	8644 15172	8296 9936	15899 15366	6491 11929	13208 12318	10629 12247	17790 12354	10438 8040	10496 12106	10189 11069	8905	357432
눈 Snow	126.0	126.0	128.0	127.0	125.0	121.0	121.0	120.0	153.0	151.0	146.0	141.0	139.0	139.0	138.0	110.0	110.0
최 심 Max. Depth (cm)	131.0	156.0	147.0	143.0	140.0	137.0	136.0	136.0	134.0	134.0	133.0	132.0	120.0	120.0	118.0	110.0	46.0
신적설 합 계 Total	-	-	4.0	-	-	-	12.0	-	*	-	1.0	-	-	-	5.0	-	46.0
최 심 Max. Depth Fall	-	*	-	-	-	2.0	6.0	1.0	6.0	6.0	3.0	-	-	-	-	-	12.0
날 Date																	7월
기상 현상 Meteo. Phenomena	맑음 Clear																0
개	일 Partly Cloudy	v								v							7
흐림 Cloudy			v		v	v	v	v	v	v	v	v	v	v	v	v	24
눈 Snow		v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	20
비 Rain		v		v	v	v	v	v	v	v	v	v	v	v	v	v	3
진눈깨비 Sleet																	4
안개 Fog																	3
무 Mist																	11
유빙 Drift Ice (Marian Cove/Maxwell Bay)	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MC	MB/MC	MB/MC	MB	MB	MB/MC	MB/MC	MB	MB/MC	MC	

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 10월

일 Date	요소 Element	북 N	북북동 NNE	북동 NE	동 E	동남동 ESE	남동 SSE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	
1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	4.4	4.2	5.7	7.1	10.5	11.4	9.6	
2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	19.3	17.6	17.0	6.6	
3		0.0	0.0	0.0	0.0	0.0	19.1	15.2	16.5	20.8	23.2	18.9	16.6	14.6	0.0	0.0	
4		2.1	0.0	3.4	4.2	7.0	10.4	3.3	0.0	8.8	13.6	14.7	0.0	0.0	0.0	0.0	
5		5.8	2.8	3.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	6.7	5.6	13.6	8.1	7.7	
6		18.6	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	9.5	
7		11.9	13.7	0.0	0.0	*	0.0	*	0.0	0.0	0.0	0.0	8.3	8.2	7.4	10.2	
8		0.0	*	9.9	*	*	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9		0.0	0.0	0.0	0.0	32.8	33.8	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10		9.1	0.0	8.6	16.4	19.3	24.4	0.0	5.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	
11		0.0	0.0	0.0	2.3	0.0	0.0	2.3	4.9	4.5	0.0	8.0	8.7	5.8	0.0	6.5	
12		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	10.8	11.3	8.8	0.0	0.0	
13		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	6.6	8.1	6.6	6.3	6.4	0.0	
14		4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	14.9	15.6	15.0	7.0	
15		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	20.0	22.5	22.5	
16		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	14.1	15.5	16.5	11.6	0.0	
17		2.8	3.7	0.0	0.0	24.2	22.9	0.0	0.0	0.0	0.0	0.0	13.1	9.9	9.2	11.9	
18		0.0	0.0	0.0	13.9	15.1	14.0	7.2	9.1	9.3	7.0	6.6	10.0	8.5	0.0	0.0	
19		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	17.3	16.3	12.2	7.0	5.5	
20		14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	12.0	10.4	13.4	
21		26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	15.7	16.3	16.4	
22		5.2	3.5	0.0	4.6	16.1	14.6	0.0	0.0	0.0	0.0	16.2	12.0	16.8	13.8	9.4	
23		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	18.9	15.5	11.0	0.0	
24		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	14.9	12.0	0.0	
25		3.6	0.0	0.0	2.8	12.3	10.1	0.0	6.4	3.0	0.0	11.5	12.6	12.0	1.4	10.5	
26		8.5	0.0	9.6	9.0	11.9	11.0	2.7	0.0	0.0	2.4	13.5	11.9	10.2	9.6	0.0	
27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	14.8	13.9	12.3	11.4	14.1	0.0	
28		25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	26.9	20.6	16.6	20.0	
29		6.1	5.6	5.6	2.7	0.0	0.0	0.0	0.0	15.8	15.2	29.7	21.2	7.2	0.0	0.0	
30		26.1	22.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	16.7	
31		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	20.4	17.6	13.5	
월 Month		26.5	22.0	9.9	16.4	32.8	33.8	32.8	19.1	15.2	16.5	20.8	29.7	26.9	20.6	22.5	22.5

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1991년 10월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정온 CLM
1	0	0	0	0	0	0	0	0	21	83	42	83	125	292	313	42	0
2	0	0	0	0	0	0	0	0	0	0	0	21	375	438	125	42	0
3	0	0	0	0	0	63	21	188	229	292	167	21	0	0	0	0	0
4	21	0	42	208	83	208	42	0	0	0	0	0	0	0	0	0	125
5	83	21	21	104	0	0	0	0	0	0	21	21	125	167	292	146	0
6	563	42	0	0	0	0	0	0	0	0	0	0	0	0	21	375	0
7	125	167	0	0	21	63	0	333	83	0	0	0	21	42	21	125	0
8	0	42	229	229	208	63	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	208	542	250	0	0	0	0	0	0	0	0	0	0	0
10	104	0	188	125	188	333	0	42	21	0	0	0	0	0	0	0	0
11	0	0	0	42	0	0	21	188	42	0	42	333	146	0	42	104	42
12	0	0	0	0	0	0	0	0	0	0	21	333	583	63	0	0	0
13	0	0	0	0	0	0	0	0	0	42	125	375	229	146	83	0	0
14	21	0	0	0	0	0	0	0	0	0	63	396	188	271	63	0	0
15	0	0	0	0	0	0	0	0	0	0	0	333	292	271	104	0	0
16	0	0	0	0	0	0	0	0	0	0	21	458	250	229	42	0	0
17	21	63	0	0	354	292	0	0	0	0	0	63	63	42	104	0	0
18	0	0	0	21	354	63	21	42	42	21	21	313	104	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	21	125	583	125	104	42	0
20	104	0	0	0	0	0	0	0	0	0	0	313	146	167	271	0	0
21	167	0	0	0	0	0	0	0	0	0	0	250	125	292	167	0	0
22	21	63	0	21	104	83	0	0	0	0	42	21	292	313	42	0	0
23	0	0	0	0	0	0	0	0	0	0	438	188	333	42	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	208	583	208	0	0	0
25	42	0	0	21	83	83	0	21	21	0	125	146	125	21	104	146	63
26	21	0	104	21	83	83	42	0	0	21	63	125	354	63	0	0	21
27	0	0	0	0	0	0	0	0	0	42	375	333	83	83	0	0	0
28	83	0	0	0	0	0	0	0	0	0	83	104	188	188	354	0	0
29	21	42	63	21	0	0	0	0	0	42	146	604	42	21	0	0	0
30	354	167	21	0	0	0	0	0	0	0	0	0	0	0	63	396	0
31	0	0	0	0	0	0	0	0	0	0	0	146	542	188	125	0	0
월 Month	56	19	22	26	55	63	14	22	9	16	45	135	169	142	102	90	13

89251 남극세종과학기지(KARF)

1991년 11월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 31 Month
기압 평균 Ave. Station	986	986	975	971	975	995	991	992	990	996	993	995	982	990	996	988
최고 Highest	986	993	1000	999	985	972	979	986	992	987	984	984	983	988	995	1001
나타난 시간 Time (hPa)	995	995	977	975	988	998	996	995	995	999	995	999	986	995	997	19일
최저 Lowest	0000	0216	2055	0002	2359	1910	0011	1256	2356	0810	0546	1140	2356	0000	0822	
기압 Press.	0007	0000	2247	0718	0004	2359	0000	2359	1103	0008	0156	0922	1226	2359	2333	
최고 Highest	979	975	973	964	965	988	986	987	986	992	991	981	978	986	991	964
나타난 시간 Time	983	989	999	995	972	969	978	980	991	985	981	982	983	983	993	4일
기온 평균 Average	0.1	1.0	0.8	-0.2	-1.1	-0.1	1.0	0.0	0.3	0.1	0.3	0.4	0.0	-0.6	0.4	-0.8
평균최고 Ave. Maximum	0.1	-3.5	-3.0	-1.8	-1.8	-1.6	-1.7	-4.0	-2.9	-1.9	-1.4	-1.3	-1.2	-0.2	0.0	1.2
평균최저 Ave. Minimum																-2.5
은최고 Highest (°C)	2.1	2.5	1.9	1.7	1.5	0.9	4.3	1.1	1.1	1.1	1.9	3.6	1.3	0.3	3.1	4.3
나타난 시간 Time	3.9	-1.8	-1.4	0.7	-0.6	-0.5	-0.1	-2.2	1.0	-0.2	2.6	1.4	0.6	2.3	3.3	7일
Air Temp.	0329	2142	0001	1230	0911	1631	1343	1455	0539	2013	1610	1710	0420	1344	1611	
최저 Lowest	0859	1328	1128	0803	1559	1304	1128	1109	1548	1309	1054	1632	1207	0849	1036	
나타난 시간 Time	-0.9	-0.7	-0.1	-1.6	-3.3	-2.3	-0.3	-1.4	-0.9	-1.1	-0.6	-1.1	-1.9	-1.5	-1.9	-5.7
평균습점온도 (°C)	-3.7	-4.6	-4.6	-3.8	-3.3	-3.3	-3.5	-5.7	-5.7	-2.7	-3.5	-3.5	-3.1	-2.4	-3.0	23/24일
Average Dewpoint Temperature	1603	0613	2352	2013	1020	0104	0055	0830	2357	0442	2304	0121	1857	2340	0119	
	2354	2351	0208	0349	0337	2121	2359	2316	0130	2223	2043	0515	0259	0132	2352	
평균습점온도 (°C)	-5.4	-4.0	-4.1	-5.5	-7.3	-6.0	-3.7	-4.7	-4.5	-5.1	-4.2	-4.6	-5.4	-6.8	-5.5	-6.6
Average Dewpoint Temperature	-5.0	-8.5	-10.0	-9.2	-8.1	-7.3	-8.2	-9.6	-9.2	-8.8	-7.4	-8.9	-8.5	-6.4	-7.3	

1991년 11월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	5.2	1.8	-	0.8	0.4	0.0	1.8	0.4	0.0	0.4	0.8	3.0	3.7	0.2	0.2	56.2	
Total Precipitation	4.2	19.5	-	0.0	4.9	3.6	0.0	2.1	2.3	-	0.9	0.0	-	0.0	-		
평 균 Average	84.	88.	89.	86.	80.	83.	89.	94.	92.	89.	94.	88.	85.	78.	78.	82.	
대 습 소 Lowest	87.	95.	80.	69.	80.	81.	75.	85.	76.	74.	79.	66.	68.	76.	66.	66.	
도 (1%)	58.	74.	75.	67.	66.	66.	71.	82.	84.	78.	77.	64.	69.	65.	58.	36.	
R.H.	64.	88.	60.	45.	64.	64.	61.	70.	55.	60.	59.	36.	53.	64.	51.	27일	
나타난 시간 Time	1827	1115	1253	1221	0900	0254	1400	1945	1640	0312	1603	1711	1025	1346	0943		
	0839	1850	2323	0805	0533	1906	0831	1643	1548	0124	1037	1628	1213	0754	1104		
평 균 24 hour ave.	11.4	14.1	11.7	11.1	11.4	11.3	10.0	10.2	10.2	11.6	9.4	10.0	13.6	8.0	5.5	8.3	
바 합성 풍 향 Direction	9.3	9.6	6.9	4.9	8.7	5.1	4.9	9.2	2.9	6.1	4.9	4.8	3.9	2.7	5.3	NNW	
람 순간 최대 Greatest Gust	25.1	30.2	19.8	28.6	25.5	21.0	19.3	21.7	21.2	21.3	15.7	26.8	29.1	14.3	15.6	30.2	
(m/s) 풍 향 Direction	16.5	17.0	12.6	12.6	14.4	10.5	18.3	20.1	9.2	12.0	13.0	11.8	7.3	8.0	14.7	2일	
Wind 나타난 시간 Time	1637	1849	1155	1343	0949	1007	1322	1938	0348	1909	2133	2357	0037	0702	2354	N	
	0328	0716	0659	2317	0105	1432	2355	0306	2338	0533	1922	0415	0505	1235	2353		
구름(1/8)	6.0	7.8	6.6	6.4	4.8	8.0	8.0	8.0	8.0	6.8	8.0	7.8	6.6	2.4	7.2	6.8	
Average Amount of Cloud	7.8	7.2	7.2	7.0	8.0	7.6	7.8	7.4	6.2	7.8	7.4	5.6	6.0	6.8	1.8		

폭풍설 시작 시간 Start Time
 Bliz- 끝 난 시 간 End Time
 zard
 계속 시간 Duration of Blizzard
 현상없음(NO OCCURRENCE)

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 11월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.7	25.1	16.1	14.4	14.9
2		30.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	21.7
3		19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	19.8
4		28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	17.3	14.3	17.2	
5		22.3	0.0	5.8	0.0	0.0	0.0	0.0	17.0	25.5	19.7	16.6	14.5	0.0	15.6	18.2	
6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.1	21.0	18.1	17.1	
7		16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	19.3
8		21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	12.7	19.4
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	11.4	14.4	21.2
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	11.9	15.7	21.3
11		13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	15.7
12		14.2	26.8	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	14.3	12.9
13		26.6	29.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	19.8	21.9	21.9
14		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	14.3	13.9	14.2
15		15.6	6.7	0.0	0.0	0.0	0.0	3.6	4.7	0.0	7.1	0.0	0.0	0.0	0.0	7.6	10.1
16		16.5	15.4	14.9	13.5	15.5	16.4	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17		0.0	0.0	0.0	10.9	17.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18		0.0	0.0	0.0	12.2	12.6	9.2	9.2	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19		0.0	0.0	0.0	0.0	0.0	0.0	6.0	7.7	7.2	5.1	4.1	10.3	12.6	0.0	6.2	6.7
20		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	14.4	13.8	12.0	0.0
21		0.0	0.0	4.5	9.2	10.5	7.8	6.4	5.7	9.8	9.4	7.4	8.3	7.9	6.1	0.0	0.0
22		12.6	0.0	4.5	3.6	18.3	8.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	8.0	13.0	8.0
23		0.0	0.0	0.0	15.3	20.1	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24		0.0	3.5	5.2	8.5	9.2	2.3	4.3	0.0	4.1	0.0	3.1	9.2	7.1	0.0	6.6	7.0
25		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	8.4	12.0	12.0	0.0	0.0	0.0
26		6.6	0.0	6.8	0.0	7.5	13.0	11.7	3.7	0.0	7.5	6.4	5.3	1.6	5.0	5.5	6.5
27		10.4	4.5	6.6	8.0	8.2	11.4	11.8	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.1	9.4
28		5.7	2.9	0.0	1.9	0.0	2.4	1.9	0.0	0.0	0.0	0.0	7.3	6.2	7.2	6.3	6.9
29		2.7	2.7	3.3	0.0	4.4	4.0	0.0	0.0	1.6	0.0	0.0	0.0	8.0	3.9	5.8	4.2
30		0.0	0.0	11.2	13.9	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
월 Month		30.2	29.1	17.4	15.3	20.1	17.4	15.3	8.7	17.0	25.5	19.7	22.7	25.1	21.0	21.9	21.9

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1991년 11월

요소 Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1	208	0	0	0	0	0	0	0	0	0	0	63	333	104	63	229	0
2	646	0	0	0	0	0	0	0	0	0	0	0	0	0	63	292	0
3	104	0	0	0	0	0	0	0	0	0	0	0	0	0	83	813	0
4	146	0	0	0	0	0	0	0	0	0	0	0	167	42	292	354	0
5	208	0	21	0	0	0	0	0	21	42	42	354	167	0	42	104	0
6	0	0	0	0	0	0	0	0	0	0	0	63	250	167	417	104	0
7	125	0	0	0	0	0	0	0	0	0	0	0	0	0	63	813	0
8	83	0	0	0	0	0	0	0	0	0	0	0	0	104	146	667	0
9	0	0	0	0	0	0	0	0	0	0	0	0	63	104	250	583	0
10	0	0	0	0	0	0	0	0	0	0	0	0	167	83	146	604	0
11	104	0	0	0	0	0	0	0	0	0	0	0	0	0	42	854	0
12	125	229	21	0	0	0	0	0	0	0	0	0	0	229	188	208	0
13	146	42	0	0	0	0	0	0	0	0	0	0	42	250	396	125	0
14	0	0	0	0	0	0	0	0	0	0	0	0	375	354	167	104	0
15	250	21	0	0	0	0	21	21	0	42	0	0	0	0	313	333	0
16	146	83	104	83	63	271	250	0	0	0	0	0	0	0	0	0	0
17	0	0	0	146	417	438	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	104	604	146	42	104	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	42	125	42	63	42	146	354	0	63	83	42
20	0	0	0	0	0	0	0	0	0	0	0	146	604	188	63	0	0
21	0	0	42	63	333	42	21	21	104	83	42	21	188	42	0	0	0
22	313	0	42	21	21	63	83	0	0	0	0	0	0	21	292	104	42
23	0	0	0	42	646	313	0	0	0	0	0	0	0	0	0	0	0
24	0	42	125	229	104	21	21	0	21	0	21	104	42	0	125	63	83
25	0	0	0	0	0	0	0	0	0	292	63	146	500	0	0	0	0
26	83	0	63	0	42	396	42	21	0	42	63	21	21	42	63	104	0
27	63	42	63	63	167	271	42	0	0	0	0	0	0	42	125	63	63
28	42	21	0	21	0	42	21	0	0	125	125	229	188	188	188	188	0
29	21	21	83	0	63	63	0	21	0	0	0	0	375	83	63	83	125
30	0	0	604	313	83	0	0	0	0	0	0	0	0	0	0	0	0
월 Month	94	17	39	36	85	69	19	10	7	19	9	40	126	69	122	229	12

89251 남극세종과학기지(KARP)

1991년 12월

요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month
기압 평균 Ave. Station	999	992	995	1003	998	996	1001	1005	1004	1001	994	984	985	990	992		997
최고 Highest	995	992	994	998	999	998	999	995	994	997	994	997	1003	1007	1005	1005	1008
나타난 시간 Time (hPa)	997	995	997	999	1000	999	999	998	996	998	997	1001	1006	1008	1006	1006	29/30일
최저 Lowest	1903	0016	2400	0655	0025	2256	2356	0358	0705	0015	0010	0133	2306	2400	0959		30일
Air Press. 나타난 시간 Time	1713	0008	2358	2400	1554	2400	1249	0005	2359	1753	0020	2357	2350	1802	0020	2358	
	997	987	989	1002	995	994	997	1003	1003	997	991	978	978	987	983		978
	992	991	991	996	998	997	997	994	993	996	993	993	1001	1005	1004	1004	12/13일
기온 평균 Average	0108	1354	0229	0226	2346	1350	2359	1548	0955	0115	1824	0105	0023	0140	2121	1521	
평균최고 고 Ave. Maximum	-1.7	0.3	0.2	-1.0	-0.9	-1.4	-2.3	-1.3	-0.9	-0.7	0.7	2.7	1.4	2.9	1.2		-0.2
평균최저 저 Ave. Minimum	0.3	-1.5	-2.0	-0.8	0.1	-0.2	0.0	0.1	-0.6	-0.3	-0.6	-0.1	0.2	0.7	0.7		1.6
은최고 Highest	0.3	3.4	3.9	2.4	0.0	-0.8	-1.1	0.3	0.5	0.2	2.0	4.1	3.3	5.0	2.2		6.5
(℃) 나타난 시간 Time	2.0	-0.6	-0.6	1.0	2.3	0.3	1.3	1.4	0.8	2.2	0.3	6.5	1.7	1.9	2.1	0.8	27일
최저 Lowest	1308	1427	0942	1316	1451	0704	1312	1058	1324	2243	2357	1529	0059	1443	1111		
Air Temp. 나타난 시간 Time	0641	0723	1219	1639	1125	1138	1309	1541	1333	1359	1422	1402	1110	1050	1202	1547	
	-3.3	-1.8	-3.2	-3.7	-1.9	-2.6	-2.9	-3.0	-3.1	-1.7	-0.6	0.8	0.6	1.5	0.2		-3.7
	-2.1	-2.1	-2.8	-3.0	-0.6	-0.8	-0.8	-1.0	-2.2	-2.2	-1.7	-1.8	-1.4	-0.4	-0.4	-1.3	4일
평균눈점온도(℃)	0120	0031	2355	0243	0227	2333	2344	2359	0031	0115	1655	0415	1116	2255	1819		
Average Dewpoint Temperature	2208	2229	2102	0028	2246	0545	0514	2400	2128	0203	0122	0340	0209	0155	2248	2026	
	-9.7	-5.6	-4.5	-6.0	-7.0	-5.9	-8.0	-6.2	-6.9	-6.7	-4.3	-2.7	-4.5	-4.1	-4.9		-6.3
	-5.2	-6.6	-7.3	-7.5	-6.1	-6.5	-6.5	-6.6	-7.1	-8.1	-8.2	-7.4	-6.6	-5.5	-5.3		-7.3

1991년 12월

요소 Element	일 Date																															월 Month					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
강수량(mm)	-	0.0	0.2	-	0.0	0.9	-	0.0	0.0	0.9	-	0.0	0.2	3.2	-	-	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.2		
Total Precipitation	0.7	3.2	-	-	-	-	0.0	0.0	0.9	-	0.0	0.0	0.2	3.2	-	-	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
평 균 Average	64.	79.	86.	87.	81.	96.	96.	96.	93.	88.	92.	83.	83.	81.	68.	78.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	
최 소 Lowest	84.	91.	95.	78.	79.	79.	76.	73.	76.	64.	69.	70.	74.	74.	79.	80.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.	78.
도 (1%) 나타난 시간 Time	0931	0126	0949	2224	0742	0931	1432	0138	2326	1152	1322	0933	2336	0850	0033	0327	0022	2349	1350	1128	1135	1253	1001	0911	1245	1144	1749	1253	1357	1308	0017	1308	0017	1308	0017		
R.H.	8.4	9.7	1.8	1.4	14.7	15.0	13.3	2.1	3.3	8.0	8.3	13.9	11.2	7.3	7.2	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	
바 램 (m/s) 풍 향 Direction	8.9	13.3	14.3	5.9	3.2	4.6	4.7	3.0	7.4	4.5	8.5	7.4	2.2	5.3	3.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	
순 간 최대 Greatest Gust	16.4	27.0	5.1	11.1	27.4	27.9	28.9	8.1	9.5	16.7	14.6	26.7	24.1	21.8	21.6	28.9	20.0	23.4	26.0	17.6	7.4	8.2	8.0	8.3	15.5	9.1	16.7	15.7	5.3	8.9	8.2	10.0	10.0	10.0	10.0	10.0	
Wind 나타난 시간 Time	0328	1058	0006	2138	0828	2017	0607	0011	2343	2304	2344	1536	0546	0221	1919	1422	2229	0516	0218	2128	1628	0502	2358	1006	2328	1307	1021	1212	2223	2245	0405	0405	0405	0405	0405		
Average Amount of Cloud	3.8	8.0	4.0	8.0	7.6	8.0	6.2	7.6	7.0	8.0	6.8	7.6	5.8	7.4	7.2	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	
폭풍설 시작 시간 Start Time	7.8	8.0	4.8	6.8	7.4	7.8	7.6	7.6	7.0	7.4	7.2	6.0	7.0	2.2	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	
Blizzard 끝 시간 End Time																																					
계속 시간 Duration of Blizzard																																					

현상없음(NO OCCURRENCE)

1991년 12월

요 소 Element	일 Date												월 Month			
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15
수평면일사량(0.001MJ/㎡)	16968	11515	29128	22643	13074	5654	18675	11846	21296	9759	15798	17156	15857	15450	13388	509239
Hor. Global Solar Rad.	7547	6326	23345	24675	14458	10510	15056	12872	20887	18783	17603	26327	17411	29081	17242	8909
적 설 최 심 Max. Depth Snow Cover	130.0	125.0	121.0	108.0	100.0	103.0	100.0	98.0	94.0	88.0	86.0	83.0	75.0	70.0	62.0	
신적설 합 계 Total	-	-	3.0	-	-	5.0	-	-	-	-	-	-	-	-	4.0	32.0
Snow (cm)	1.0	12.0	-	-	-	-	-	1.0	3.0	-	-	-	3.0	-	-	12.0
최 심 Max. Depth 나타난 날 Date																17일
맑음 Clear																0
개임 Partly Cloudy	v											v	v	v	v	6
흐림 Cloudy		v				v	v	v	v	v	v	v	v	v	v	25
눈 Snow		v	v	v	v	v	v	v	v	v	v	v	v	v	v	16
비 Rain		v	v	v	v	v	v	v	v	v	v	v	v	v	v	8
진눈깨비 Sleet		v														8
안개 Fog		v								v	v					3
박무 Mist		v	v	v	v	v	v	v	v	v	v	v	v	v	v	10
유빙 Drift Ice (Marian Cove/Maxwell Bay)		v														

MB/MC MB/MC

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1991년 12월

요소 일 Date	북 N	북북동 NNE	북동 ENE	동 E	동남동 ESE	남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW		
1	0.0	15.7	14.8	16.4	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2	19.9	27.0	23.6	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	13.6		
3	3.6	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	5.1	4.1		
4	3.1	2.6	11.1	0.0	10.7	0.0	8.6	4.5	3.2	2.9	2.0	2.1	3.5	3.0		
5	0.0	0.0	19.9	27.4	26.6	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6	0.0	0.0	0.0	25.3	27.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7	0.0	0.0	0.0	18.3	28.9	27.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
8	0.0	2.8	0.0	3.9	8.1	5.3	0.0	0.0	5.5	6.8	6.6	3.5	3.8	3.5		
9	0.0	0.0	2.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	5.9	9.1	9.5	8.7		
10	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	10.5	10.5		
11	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	12.0	14.1		
12	22.9	26.7	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6		
13	24.1	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4		
14	21.8	19.5	13.9	9.1	10.4	0.0	4.6	3.3	4.0	0.0	0.0	0.0	0.0	0.0		
15	0.0	5.4	9.5	18.1	21.6	14.1	5.4	3.1	6.3	0.0	0.0	0.0	0.0	0.0		
16	0.0	0.0	13.0	16.8	20.0	19.8	18.4	0.0	7.2	0.0	0.0	7.6	0.0	0.0		
17	0.0	0.0	0.0	0.0	0.0	23.4	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
18	0.0	0.0	0.0	0.0	21.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
19	0.0	0.0	0.0	0.0	0.0	17.6	11.5	9.3	5.2	3.9	0.0	1.8	4.3	0.0		
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.2	3.0	1.1	7.3	7.4		
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	7.1	8.1	8.2	6.3	0.0		
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	8.0	6.3	6.7		
23	3.4	3.2	2.8	2.0	8.3	7.2	6.4	4.7	4.2	0.0	0.0	0.0	0.0	4.7		
24	0.0	0.0	7.7	15.0	15.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
25	0.0	0.0	9.0	9.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
26	0.0	0.0	11.2	16.7	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
27	0.0	0.0	0.0	11.4	15.7	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
28	0.0	3.1	2.0	0.0	4.9	4.6	4.8	2.8	5.3	0.0	0.0	0.0	0.0	2.7		
29	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	8.9	0.0	5.5		
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.2	4.6	4.2		
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	8.5	10.0	9.5	0.0	0.0		
월 Month	24.1	27.0	23.6	27.4	28.9	27.9	22.3	9.3	7.2	7.3	7.6	8.5	10.0	11.5	12.0	18.4

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1991년 12월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1	0	24	405	286	286	0	0	0	0	0	0	0	0	0	0	0	0	0
2	104	250	271	21	0	0	0	0	0	0	0	0	0	0	0	42	313	0
3	125	0	42	0	0	0	0	0	0	0	0	0	0	0	271	271	208	83
4	42	42	125	0	83	0	21	125	42	42	42	42	42	63	146	21	167	0
5	0	0	42	438	438	83	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	208	792	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	167	729	104	0	0	0	0	0	0	0	0	0	0	0	0
8	0	21	0	63	42	83	0	21	104	188	125	83	83	167	167	167	167	167
9	0	0	83	63	0	0	0	0	0	0	104	146	271	167	167	167	167	167
10	271	0	0	0	0	0	0	0	0	0	0	0	0	63	542	125	0	0
11	292	0	0	0	0	0	0	0	0	0	0	0	0	104	250	354	0	0
12	292	583	104	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0
13	542	313	0	0	0	0	0	0	0	0	0	0	0	0	0	146	0	0
14	250	208	271	146	42	0	21	21	0	0	0	0	0	0	0	0	0	21
15	0	21	42	271	438	146	21	42	21	0	0	0	0	0	0	0	0	0
16	0	0	83	167	375	292	42	0	21	0	0	0	21	0	0	0	0	0
17	0	0	0	0	0	875	125	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	125	875	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	271	167	63	63	0	42	42	42	42	0	0	0	83
20	0	0	0	0	0	0	0	83	83	21	21	188	500	63	42	0	0	0
21	0	0	0	0	0	0	0	0	19	96	192	615	77	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	208	438	83	271	0	0	0
23	21	21	42	42	292	292	125	42	21	0	0	0	0	0	0	42	63	63
24	0	0	21	313	625	42	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	729	188	83	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	83	354	563	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	83	729	188	0	0	0	0	0	0	0	0	0	0	0	0
28	0	104	42	0	104	125	146	21	417	0	0	0	0	0	0	0	42	0
29	21	0	0	0	0	0	0	0	0	0	0	583	229	0	167	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	63	833	83	21	0	0	0
31	0	0	0	0	0	0	0	0	80	180	520	220	0	0	0	0	0	0
월 Month	63	51	75	83	165	134	24	10	26	7	9	18	85	101	59	65	24	24

남극 세종기지 기상년보

ANNUAL WEATHER REPORT ANTARCTIC KING SEJONG STATION



1992

한국해양연구소 극지연구센터
POLAR RESEARCH CENTER, KORDI

89251 남극세종과학기지(KARP)

1992년 1월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	1004	987	993	995	987	983	983	990	985	975	986	990	995	996	992	990	
최고 Highest	992	982	985	994	993	984	995	994	995	993	985	985	992	996	988	990	
압	1007	996	997	998	992	985	987	993	992	979	992	992	999	1000	994	1007	
나타난 시간 Time	994	987	991	997	997	992	998	998	999	995	990	988	996	997	996	992	
(hPa)	0051	0003	2400	0531	0651	2041	2352	1835	0005	2357	2359	0527	2331	0458	2347	990	
최저 Lowest	0724	0008	2359	2359	0052	2400	2111	0001	0649	0818	0059	2348	2359	1130	0016	1556	
Air Press.	996	980	988	992	981	981	981	987	976	970	979	988	990	991	991	970	
나타난 시간 Time	987	980	980	991	983	979	992	990	993	990	981	981	988	995	984	987	
	2400	1059	0116	2353	2049	0912	0351	0005	2400	0720	0023	2022	0022	1944	1227	10일	
	2356	2358	0127	0054	2358	0820	0856	0814	2035	2359	2238	0003	0204	2058	1853	0006	
기온 평균 Average	0.0	2.7	2.0	3.6	3.4	2.2	2.2	1.6	2.7	1.5	0.7	0.9	0.6	0.9	1.6	1.8	
평균최고 Ave. Maximum	1.9	2.6	0.4	0.0	1.0	-1.5	2.1	4.9	2.5	2.0	1.9	1.4	1.1	2.4	3.8	2.3	
평균최저 Ave. Minimum																	
온도	2.1	6.2	4.2	7.2	5.4	4.7	3.8	3.8	4.9	4.1	2.1	2.3	1.7	2.3	4.0	11.2	
(℃)	4.5	4.6	1.7	1.5	3.2	-0.3	7.1	11.2	3.3	2.7	3.1	3.2	2.0	2.9	8.0	23일	
나타난 시간 Time	2134	0545	2308	2330	0200	0349	0711	2400	0131	0237	1513	1707	1315	1725	1819		
최저 Lowest	1200	0559	1207	1322	1532	0003	2246	0350	1140	1201	1049	1454	1618	1733	1429	2033	
Air Temp.	-0.6	0.9	0.7	1.6	1.8	1.1	1.0	0.7	2.0	0.0	-0.2	-0.6	-0.3	0.0	-0.3	-2.4	
나타난 시간 Time	-0.8	1.0	-0.7	-1.3	-0.6	-2.4	-1.7	2.2	1.7	1.4	1.1	-0.1	-0.1	0.9	0.9	21일	
	0143	2336	0259	0507	0051	1507	2359	1425	1132	2359	0334	0541	0236	0403	2353		
	0258	0233	2400	0249	0137	1837	0004	2254	0241	0722	2323	2400	0014	0001	2400	0153	
평균추위점도(℃)	-6.3	-2.2	-2.3	-0.9	-1.3	-2.6	-2.7	-3.4	-2.4	-3.7	-4.6	-4.3	-5.1	-5.0	-4.2	-3.4	
Average Dewpoint Temperature	-5.1	-2.4	-5.3	-7.0	-5.8	-6.1	-2.3	-0.4	-1.8	-2.3	-2.3	-3.0	-4.2	-1.9	-1.4	-2.2	

요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
강수량(mm)	1.6	3.8	4.5	1.4	1.0	0.4	0.6	0.0	0.2	1.4	0.2	0.2	0.4	0.2	-	27.3																
Total Precipitation	0.2	1.4	0.4	0.2	1.0	0.2	1.0	2.6	2.4	0.4	0.0	1.8	0.0	0.0	2.2	2.0	0.4															
상대 습도	83.	90.	100.	91.	88.	91.	91.	92.	90.	86.	88.	88.	82.	82.	85.	89.																
최소	74.	89.	83.	77.	71.	98.	99.	86.	99.	98.	95.	96.	94.	91.	93.	90.																
최대	70.	73.	90.	73.	72.	76.	78.	76.	67.	66.	76.	72.	67.	55.	30.	30.																
도	46.	70.	55.	67.	61.	88.	93.	52.	92.	85.	87.	91.	91.	89.	66.	71.	15일															
(1*) 나타난 시간 Time	2034	0004	2230	1612	1900	2320	0003	1719	0054	0240	0200	1200	2321	0611	1805																	
R.H.	1306	0037	1547	1339	1435	0001	0911	0353	0008	2011	0208	1536	1002	1856	0720	2213																
평 균 24 hour ave.	5.5	11.7	7.2	2.3	3.1	5.5	8.6	7.5	9.3	6.3	5.1	4.2	2.7	4.3	4.7	6.7																
합성 풍 향 Direction	WNW	NNW	NW	W	NE	NW	NNW	NW	N	E	WNW	N	WSW	WNW	SSW	NNW																
순 간 최 대 Greatest Gust	11.9	26.6	14.2	14.2	13.0	15.2	17.7	12.4	19.5	17.3	10.7	10.3	7.7	10.1	15.5	26.7																
(m/s) 풍 향 Direction	18.2	12.8	20.3	14.8	23.0	25.1	16.1	26.7	16.4	12.1	11.9	7.2	13.7	15.2	15.4	15.2	23일															
Wind 나타난 시간 Time	N	N	NNW	N	NNE	NNW	N	NNW	NNW	ESE	W	WNW	WNW	NW	SSW	N																
	N	NNW	E	E	E	E	NNW	N	NNW	NW	NNW	NW	W	NNW	N	N																
	2210	0137	0857	1547	2128	2358	0153	2134	0302	1140	2047	0145	1920	1858	1227																	
	1824	0722	0747	1538	2308	1057	1026	0702	1228	0046	1347	0035	1336	1858	0744	2141																
구름(1/8)	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.3	7.7	5.8	7.6																
Average Amount of Cloud	4.2	8.0	8.0	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	4.2	8.0	6.4	8.0																
폭풍설 시작 시간 Start Time																	0700															
Blizzard 끝난 시간 End Time																	0725															
Blizzard 계속 시간 Duration of Blizzard																	0025															
																	0025															

1992년 1월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	월
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	18963 26129	6667 11372	5029 18038	12357 20811	11132 7791	12218 9834	14147 8153	13289 9183	14201 7121	11103 6376	11511 3293	13432 6056	9942 9886	15641 2946	19224 8043	11574	355562
눈 Snow	20.0	18.0	15.0	8.0	7.0	6.0	5.0	5.0	4.0	3.0	2.0						
최 설 심 Max. Depth Snow Cover					2.0	10.0											
신적설 합 계 Total	-	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	-
최 설 심 Snow Fall																	
나타난 날 Date																	
맑 음 Clear																	0
개 임 Partly Cloudy													v		v		3
흐 림 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	28
눈 Snow																	8
비 Rain	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	22
진 눈 깨 비 Sleet	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	7
안 개 Fog																	3
박 무 Mist																	26
유 빙 Drift Ice (Marian Cove/Maxwell Bay)	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 1월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NNW	
1		11.9	10.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	9.0	8.6	9.6	7.7
2		26.6	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	12.6	18.1
3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	9.5	12.2	14.2
4		14.2	11.5	3.6	4.0	4.4	0.0	5.2	6.8	4.6	6.5	11.0	5.8	0.0	10.1	0.0	9.2
5		10.8	13.0	4.8	11.0	0.0	8.0	11.3	5.9	6.5	4.4	7.9	3.1	8.4	2.7	6.6	8.7
6		7.8	0.0	3.6	0.0	0.0	0.0	5.4	2.1	4.3	3.9	2.6	0.0	5.5	0.0	10.1	15.2
7		17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	12.3	15.2
8		11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	11.7	12.4
9		19.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.5
10		0.0	5.3	9.9	14.7	12.1	17.3	13.9	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0
11		0.0	0.0	5.6	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	10.1	3.0	3.3
12		0.0	4.3	5.2	0.0	8.1	7.7	8.3	0.0	0.0	0.0	4.7	0.0	0.0	10.3	8.3	9.8
13		0.0	1.9	0.0	0.0	2.2	0.0	7.2	7.0	4.4	5.0	5.1	5.5	7.4	7.7	4.1	3.0
14		0.0	0.0	2.9	0.0	0.0	0.0	0.0	1.5	7.4	9.1	5.7	4.2	8.3	10.1	10.1	9.9
15		0.0	0.0	0.0	0.0	0.0	0.0	3.7	6.7	9.4	15.5	15.4	8.3	13.3	0.0	0.0	0.0
16		18.2	5.9	3.9	11.9	0.0	0.0	5.5	6.9	5.3	0.0	0.0	0.0	0.0	0.0	5.3	17.6
17		9.7	6.7	6.3	0.0	5.8	11.3	0.0	5.3	5.3	6.5	3.1	0.0	0.0	0.0	3.8	12.8
18		0.0	0.0	0.0	18.8	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19		0.0	0.0	9.6	13.2	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20		0.0	7.1	8.3	12.3	23.0	6.1	10.1	4.1	3.1	2.5	0.0	0.0	0.0	4.2	0.0	0.0
21		0.0	0.0	12.3	16.9	25.1	18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22		15.4	0.0	11.0	0.0	0.0	6.1	0.0	10.8	5.1	2.2	0.0	0.0	0.0	0.0	0.0	16.1
23		26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	14.7	23.6
24		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	14.4	16.4
25		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.1	6.1
26		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	10.6	11.9
27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.5	0.0	3.5	0.0	2.5	3.6	7.2	6.2
28		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	11.9	13.7	7.9	5.3	6.5
29		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0	15.0	15.2
30		15.4	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	7.7	13.2	
31		15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	11.0	13.5	
월	Month	26.7	23.4	12.3	18.8	25.1	18.7	13.9	10.8	9.4	15.5	15.4	11.9	13.7	13.4	15.0	23.6

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1992년 1월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		83	42	21	0	0	0	0	0	0	0	0	63	187	187	375	41	0
2		521	104	0	0	0	0	0	0	0	0	0	0	0	83	208	83	0
3		0	0	0	0	0	0	0	0	0	0	0	0	21	42	271	667	0
4		104	63	63	42	21	0	21	42	146	125	21	104	0	104	0	63	83
5		63	104	63	42	0	63	83	42	146	63	42	63	21	42	63	104	0
6		42	0	21	0	0	0	21	21	42	104	21	0	21	0	250	458	0
7		208	0	0	0	0	0	0	0	0	0	0	0	0	21	229	542	0
8		63	0	0	0	0	0	0	0	0	0	0	0	0	83	396	458	0
9		542	21	0	0	0	0	0	0	0	0	0	0	0	0	0	438	0
10		0	21	125	333	167	250	83	0	0	21	0	0	0	0	0	0	0
11		0	0	83	104	0	83	104	63	0	0	0	0	521	229	42	21	0
12		0	0	42	83	0	83	104	63	0	0	21	0	0	167	146	229	63
13		0	21	0	0	21	0	104	63	42	83	83	42	188	167	42	21	83
14		0	0	21	0	0	0	0	21	42	83	83	42	83	167	354	83	21
15		0	0	0	0	0	0	63	146	313	188	146	83	63	0	0	0	0
16		354	63	83	21	0	42	21	83	63	125	21	0	0	0	21	292	42
17		63	42	21	0	0	63	0	83	63	125	21	0	0	0	21	438	21
18		0	0	0	104	896	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	125	229	646	0	0	0	0	0	0	0	0	0	0	0	0
20		0	21	354	146	229	42	83	42	42	21	0	0	0	21	0	0	0
21		0	0	21	146	792	42	0	0	0	0	0	0	0	0	0	0	0
22		83	0	104	0	0	83	0	42	21	21	0	0	0	0	0	583	63
23		313	0	0	0	0	0	0	0	0	0	0	0	0	42	271	375	0
24		0	0	0	0	0	0	0	0	0	0	0	0	0	21	479	500	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0	208	750	42	0
26		0	0	0	0	0	0	0	0	0	0	0	0	0	120	400	480	0
27		0	0	0	0	0	0	0	42	83	167	0	83	42	375	208	0	0
28		0	0	0	0	0	0	0	0	0	42	42	583	83	83	167	0	0
29		0	0	0	0	0	0	0	0	0	0	0	250	0	333	417	0	0
30		333	42	0	0	0	0	0	0	0	0	0	0	0	208	125	292	0
31		133	0	0	0	0	0	0	0	0	0	0	0	67	333	467	0	0
월	Month	93	19	38	38	93	20	20	18	33	27	20	16	65	68	180	241	12

89251 남극 세종과학기지(KAPP)

1992년 2월

요소 Element	일 Date																															월 Month
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																
기압 평균 Ave. Station	990	979	992	993	991	975	974	988	990	981	983	979	970	983	991	986																
최고 Highest	1000	1002	994	985	981	984	974	979	988	981	992	997	995	996	1005																	
압 (hPa)	1005	1005	998	996	993	986	978	993	993	985	984	984	976	987	1005																	
나타난 시간 Time	1628	2358	2400	0247	0500	0007	2400	2350	0039	0011	1124	0435	2400	2359	2400																	
최저 Lowest	2359	0139	0007	0002	2359	1740	0007	2400	0916	2400	2400	0701	2247	0224	966																	
Air Press.	982	973	986	989	986	969	972	978	985	980	981	968	966	976	966																	
나타난 시간 Time	996	998	987	981	977	981	972	973	977	977	984	994	993	995	966																	
	2350	0701	0030	1625	2359	0805	0600	0003	2359	1231	0223	2400	0655	0007	0054																	
	0041	2339	2338	2400	0642	2400	1943	0016	2347	0517	0028	2400	0743	1032																		
기온 평균 Average	2.9	3.2	1.9	3.2	2.5	3.3	2.3	1.1	0.9	0.2	0.9	1.2	-1.6	-3.3	-1.9																	
평균최고 Ave. Maximum	-0.1	0.5	1.0	1.6	1.4	1.0	2.5	1.0	1.3	2.9	-0.7	-0.9	-1.7	-0.8	0.9																	
평균최저 Ave. Minimum																																
온도	5.8	6.1	2.7	5.4	4.3	4.6	4.7	1.9	2.2	0.9	2.2	2.6	1.3	-0.9	-0.1																	
(℃)	1.6	1.7	1.8	2.2	3.4	2.1	4.1	2.1	4.0	4.6	2.4	0.5	-0.6	0.5	1453																	
나타난 시간 Time	2337	0252	1202	1136	2133	0224	0521	1420	1537	1349	1544	1859	0018	1735	1809																	
최저 Lowest	1513	1258	2155	2247	1258	1442	0443	0056	2400	0021	0025	1240	1216	1809	-3.3																	
Air Temp.	1.5	1.7	1.3	1.3	0.9	1.9	0.6	0.5	-0.1	-0.4	-0.1	0.0	-4.6	-5.3	-5.3																	
나타난 시간 Time	-2.0	-1.8	0.3	1.1	0.3	0.1	1.2	-0.1	-0.1	1.0	-1.6	-1.8	-3.2	-3.0	0246																	
	1707	2251	0425	2340	0244	0703	2055	2359	2328	0543	0241	0224	2400	0454	002																	
	0006	0058	0215	0545	2358	2243	0006	2322	0038	1225	1635	2341	2200	002																		
평균습점온도(℃)	-1.8	-2.9	-3.4	-2.3	-2.9	-2.3	-3.0	-5.9	-6.0	-6.8	-6.3	-5.5	-6.6	-9.8	-10.5																	
Average Dewpoint Temperature	-8.9	-6.7	-5.5	-3.1	-4.7	-6.3	-2.5	-4.3	-7.2	-2.3	-6.6	-8.2	-10.1	-8.0																		

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.8	0.6	-	3.6	0.4	3.8	0.0	-	0.0	0.0	0.0	0.0	0.6	0.0	0.0	23.2	
Total Precipitation	-	-	0.0	0.6	0.2	0.0	2.6	0.4	0.0	8.2	1.8	0.0	-	0.0	-		
평 균 Average	95.	93.	96.	96.	97.	96.	95.	89.	89.	89.	87.	91.	97.	97.	83.	94.	
대 소 Lowest	88.	89.	93.	97.	94.	88.	97.	95.	87.	98.	98.	93.	87.	92.	61.	61.	
도 (1%)	76.	71.	78.	92.	88.	89.	89.	77.	80.	72.	79.	88.	81.	82.	61.	61.	
나타난 시간 Time	67.	77.	82.	96.	82.	86.	90.	84.	78.	89.	95.	89.	74.	83.	83.	15일	
R.H.	1304	1613	0646	0926	0002	0803	0330	0927	1500	0837	1509	0524	1925	1238	1505		
	1351	0003	0534	2155	1427	2130	0430	2007	1801	0012	2110	2252	2122	0130			
평 균 24 hour ave.	8.1	16.1	8.2	10.5	8.8	12.9	4.8	9.7	4.5	6.1	6.3	8.6	8.9	3.8	5.4	7.9	
합 성 풍 향 Direction	5.8	8.4	11.5	8.0	10.2	4.2	8.8	3.3	6.5	5.6	8.7	7.5	11.8	4.8		W	
순 간 최 대 Greatest Gust	NNW	NNW	WNW	NNW	NNW	N	W	W	W	SW	W	NW	SE	ENE	ESE	W	
(m/s) 풍 향 Direction	SSE	W	W	NW	W	W	N	S	NW	N	E	ESE	E	ENE	E	ENE	
Wind 나타난 시간 Time	26.1	31.0	17.4	24.1	17.9	28.0	12.9	17.7	8.3	12.3	13.1	18.2	20.8	13.1	12.7	31.0	
	14.4	16.5	21.3	14.4	18.1	11.0	19.7	10.3	18.8	14.0	17.2	19.7	24.9	15.1		2일	
	N	N	WNW	N	N	NNE	W	W	WNW	W	W	N	SE	ESE	E	N	
	S	W	W	WNW	W	W	NNE	E	NE	N	E	ESE	ESE	ENE	ENE		
구름(1/8)	2350	0411	0019	1215	2359	0730	2321	1106	0001	2326	0223	1735	1342	0107	1022		
Average Amount of Cloud	0821	1424	1130	0053	0713	0155	0345	1109	2044	0002	1238	2252	1301	0638			
폭풍설 시작 시간 Start Time	7.4	8.0	6.6	8.0	6.0	6.4	7.3	3.8	5.2	8.0	4.0	7.8	8.0	6.4	8.0	7.0	
Bliz-zard	8.0	4.2	8.0	8.0	8.0	6.4	7.0	8.0	5.0	8.0	8.0	8.0	8.0	7.0	8.0	8.0	
계 속 시 간 Duration of Blizzard																	

현상없음(NO OCCURRENCE)

1992년 2월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
수평면일사량(0.001MJ/㎡)	8251	8866	16401	15164	16742	11069	6852	18645	20673	5488	15196	11157	5060	10724	13295	307979
Hor. Global Solar Rad.	13846	19960	6585	3328	9578	10591	3490	9077	15905	2497	5918	9529	9937	4155		
적 설 최 심 Max. Depth Snow Cover	3.0															
눈 Snow	-	-	-	-	-	-	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(cm)	-	-	-	-	-	-	-	-	0.0	-	0.0	0.0	-	0.0	-	0.0
합 계 Total	-	-	-	-	-	-	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
최 심 Max. Depth Fall 나타날 날 Date	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
맑 음 Clear									v		v					0
개 임 Partly Cloudy		v			v			v	v		v					6
흐 릴 Cloudy	v	v	v	v	v	v	v	v		v	v	v	v	v	v	23
눈 Snow									v	v	v	v	v	v	v	12
비 Rain									v		v	v	v	v	v	14
진 눈 개 비 Sleet		v	v	v	v	v	v	v		v	v					0
안 개 Fog	v				v											5
박 무 Mist	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	11
유 빙 Drift Ice (Marian Cove/Maxwell Bay)									v							

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 2월

요소 일 Date	Element	N	NNE	NE	ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서남서 NNW	북북서 NNW		
1		26.1	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	13.2	
2		31.0	24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	25.2	26.5	
3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	17.4	6.7	7.8	
4		24.1	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	13.6	15.5	
5		17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	11.2	12.7	
6		26.1	28.0	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	
7		12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	12.3	7.6	8.8	
8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	10.4	0.0	0.0	
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	8.2	4.0	6.1	6.2	8.3	0.0	0.0	
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	10.5	10.4	12.3	0.0	0.0	0.0	
11		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	10.3	10.8	13.1	10.6	0.0	0.0	
12		18.2	16.9	0.0	0.0	0.0	0.0	0.0	0.0	8.7	12.6	11.7	10.8	10.4	12.1		
13		6.7	0.0	0.0	0.0	0.0	19.8	20.8	0.0	0.0	0.0	7.8	8.8	10.4	9.5	8.2	
14		0.0	3.1	5.1	11.4	11.5	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.8	
15		0.0	0.0	6.5	8.1	12.7	10.4	11.1	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16		0.0	0.0	3.3	5.6	8.9	0.0	0.0	11.5	14.4	9.8	0.0	0.0	0.0	0.0	0.0	
17		3.9	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	16.5	5.2	6.4	6.8
18		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6	21.3	19.1	16.6	0.0
19		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	14.4	14.0	12.3	
20		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	18.1	18.0	14.2	0.0
21		5.7	4.4	6.2	2.6	2.7	4.4	4.8	0.0	3.3	4.6	10.8	11.0	4.3	0.0	3.5	
22		17.9	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	
23		2.7	2.6	0.0	0.0	10.3	8.4	4.6	3.2	6.3	9.8	9.3	8.8	9.7	0.0	0.0	5.0
24		10.7	15.9	18.8	16.8	13.1	11.7	0.0	0.0	11.2	8.7	9.8	11.5	7.2	8.3	7.9	
25		14.0	5.1	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	3.3	7.2	8.6	12.8	
26		8.4	0.0	0.0	9.8	17.2	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27		0.0	0.0	0.0	0.0	12.1	19.7	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28		0.0	0.0	0.0	11.2	20.3	24.9	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29		0.0	5.3	5.4	15.1	13.4	8.6	0.0	3.5	0.0	0.0	0.0	0.0	4.2	1.3	2.8	
월	Month	31.0	28.0	24.1	16.8	20.3	24.9	20.8	11.5	14.4	11.2	10.5	18.6	21.3	19.1	25.2	26.5

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

요소 일 Date	1992년 2월																
	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정온 CLM
1	136	91	0	0	0	0	0	0	0	0	0	0	0	0	136	636	0
2	188	63	0	0	0	0	0	0	0	0	0	0	0	208	417	125	0
3	0	0	0	0	0	0	0	0	0	0	0	0	64	681	191	64	0
4	500	83	0	0	0	0	0	0	0	0	0	0	0	83	167	167	0
5	396	0	0	0	0	0	0	0	0	0	0	0	0	208	229	167	0
6	574	128	106	0	0	0	0	0	0	0	0	0	0	0	0	191	0
7	231	0	0	0	0	0	0	0	0	0	0	0	128	256	205	179	0
8	0	0	0	0	0	0	0	0	0	0	0	0	833	167	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	271	417	0	0	0
10	0	0	0	0	0	0	0	21	104	42	146	0	42	0	0	0	0
11	0	0	0	0	0	0	0	0	354	333	271	42	0	0	0	0	0
12	0	0	0	0	0	0	0	0	42	125	208	583	42	0	0	0	0
13	375	21	0	0	0	0	0	0	0	63	208	146	63	42	83	0	0
14	21	0	0	0	0	0	0	0	0	0	21	21	167	21	63	0	0
15	0	21	188	396	188	63	0	0	0	0	0	0	0	42	104	0	0
16	0	0	42	250	250	63	250	146	0	0	0	0	0	0	0	0	0
17	0	0	21	83	167	0	0	292	313	125	0	0	0	0	0	0	0
18	43	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	21	42	21	21	21	21	42	0	0	0	170	574	43	85	64	0	0
22	167	146	0	0	0	0	0	0	0	0	222	289	422	67	0	0	0
23	63	21	0	0	0	0	0	0	0	0	0	21	313	500	167	0	0
24	85	64	191	43	21	21	0	0	0	0	234	468	255	43	0	0	0
25	417	21	0	0	83	0	0	21	21	167	479	63	0	63	0	0	0
26	104	0	0	42	750	104	0	0	0	0	0	0	0	688	0	0	0
27	0	0	0	0	354	542	104	0	21	128	234	64	64	83	43	0	0
28	0	0	0	42	396	542	21	0	0	0	0	0	0	0	0	0	0
29	0	21	63	375	333	21	0	83	0	0	0	0	0	0	0	0	0
월 Month	114	25	23	44	95	61	31	20	15	26	23	63	148	121	77	111	4

89251 남극 세종과학기지(KARP)

1992년 3월

요소 Element	일 Date																															월 Month					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31																				
기압 평균 Ave. Station	999	1007	999	991	993	1000	992	991	996	995	993	997	995	982	969	990	990	990	991	990	990	991	999	999	999	999	988	981	1009	996	996	2일					
최고 Highest	965	969	986	994	998	1001	986	980	981	977	986	990	992	990	991	990	991	999	988	981	1009	996	996	992	992	992	992	992	992	992	992	992	992	992			
나타난 시간 Time (hPa)	2400	1749	0104	0015	2356	1809	0025	2400	1911	0031	1810	1952	0421	0017	0005																						
최저 Lowest Air Press.	996	1003	997	988	988	996	988	989	992	992	992	992	994	988	979	962	962	962	962	962	962	962	962	962	962	962	962	962	962	962	962	962	962	962			
나타난 시간 Time	0646	0013	2359	2339	0220	0041	1652	1435	0232	2400	0217	0222	2357	1240	1825																						
기온 평균 Average	1.1	3.3	3.7	5.1	-0.8	1.8	1.5	0.7	0.9	-0.2	-0.3	1.5	1.5	0.0	0.3																						
평균 최고 Ave. Maximum	-4.9	-6.1	-7.6	-8.1	-5.9	-2.3	0.5	-0.8	-0.9	-5.9	-8.5	-3.2	0.1	0.7	-1.8	1.4																					
평균 최저 Ave. Minimum																																					
온도 (°C)	3.1	7.0	6.5	8.1	1.0	3.1	3.5	1.6	2.5	0.7	1.0	3.0	2.0	1.5	0.9																						
최고 Highest	-0.7	-4.5	-6.3	-7.2	-4.0	-0.4	1.2	0.7	0.9	0.6	-6.4	-0.6	1.0	2.3	1.4	4.8																					
나타난 시간 Time	1550	2224	2353	0743	0002	2217	0250	1121	1504	1350	1500	1030	1148	0352	1518																						
최저 Lowest Air Temp.	0002	0618	1456	0459	2400	1155	1130	0959	2043	0029	2358	2359	1145	1219	0324	0902																					
나타난 시간 Time	-0.3	1.5	1.8	0.9	-2.9	0.3	-0.7	-0.4	-1.3	-1.7	-1.4	0.3	0.8	-2.9	-0.7																						
평균 눈점온도 (°C)	-5.9	-7.9	-8.3	-9.1	-8.5	-5.2	-1.2	-2.6	-2.6	-8.5	-9.1	-6.5	-0.9	-0.9	-3.9	-4.4																					
Average Dewpoint Temperature	0417	0228	2152	2359	0826	0002	1941	0237	2400	0026	0816	0007	0158	1901	2358	26일																					
나타난 시간 Time	1514	2350	0433	1737	0004	0311	0004	2357	0131	2358	1812	0014	0205	0320	1358	2359																					
평균 눈점온도 (°C)	-5.7	-2.7	-2.5	-1.9	-6.9	-3.9	-4.1	-5.4	-6.4	-8.5	-7.9	-5.5	-5.1	-5.6	-5.8																						
Average Dewpoint Temperature	-11.6	-12.4	-14.0	-15.2	-15.0	-10.8	-5.2	-6.2	-7.4	-11.7	-15.4	-10.7	-5.8	-4.9	-7.3	-4.5																					

1992년 3월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
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강수량(mm)	-	0.0	0.0	0.0	2.2	5.8	0.4	0.0	-	-	-	-	0.0	0.0	0.0	14.2
Total Precipitation	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	-	0.4	0.4	2.6

상 평	82.	96.	95.	92.	96.	97.	96.	96.	90.	85.	91.	94.	94.	96.	96.	92.
대	94.	96.	95.	93.	92.	97.	96.	96.	96.	97.	93.	92.	96.	96.	97.	97.
습	72.	91.	77.	65.	92.	92.	93.	91.	58.	76.	82.	88.	85.	86.	93.	58.
도	89.	91.	89.	79.	67.	73.	94.	94.	90.	95.	85.	82.	90.	93.	95.	95.
(1*)	0856	0831	0306	0802	1228	0106	0632	2210	1654	1733	1503	1138	0522	1852	0626	
R.H.	2238	0004	1247	2102	1054	0033	1030	1336	1243	0210	2101	2118	0001	0930	0349	1038

바	4.0	9.2	9.8	9.3	6.5	5.0	4.3	8.9	5.8	2.2	3.5	9.6	12.3	8.8	9.6	7.5
합성 풍향	8.3	11.4	7.8	9.6	4.6	6.6	8.2	4.6	6.3	12.5	7.3	7.9	6.6	6.6	4.9	8.6
Direction	NNW	NNW	N	NNE	E	NW	SE	WNW	WSW	E	W	WSW	W	WNW	WSW	E
순간 최대 Gust	12.6	21.5	25.6	19.6	18.0	10.7	11.1	17.1	17.3	6.0	11.7	21.0	23.0	17.5	18.2	25.6
(m/s) 풍향	15.8	19.2	18.3	18.5	11.6	15.9	17.9	12.0	14.1	23.6	17.5	17.6	16.3	13.7	15.0	20.4
Direction	N	N	NNE	N	E	NNW	W	W	W	NE	SSW	WSW	W	WNW	SW	NNE
Wind	2049	2359	0647	0858	0209	2338	2355	1437	0236	0119	2359	1839	2023	0229	1800	
나타난 시간 Time	0934	2034	0048	0739	1440	1827	0235	1507	2032	1122	0440	0310	0419	1224	0619	2046

구름(1/8)	7.0	7.0	6.0	8.0	8.0	8.0	8.0	7.0	5.0	7.0	8.0	7.0	8.0	8.0	8.0	7.0
Average Amount of Cloud	8.0	8.0	8.0	7.0	4.0	4.0	8.0	8.0	8.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0

폭풍설 시작 시간 Start Time

Blizzard 끝난 시간 End Time

계속 시간 Duration of Blizzard

현상없음(NO OCCURRENCE)

1992년 3월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	9281	10305	8005	5554	5340	5196	5392	7170	9365	5282	8490	9805	5118	2888	3801	182252
	5053	5742	5667	7907	8983	7066	3775	5805	3109	5571	3966	4451	3966	4175	2906	3118
적 설 최 심 Max. Depth Snow Cover	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	8.0	8.0	6.0	3.0	1.0
신적설 합 계 Total	-	-	-	-	0.0	-	-	0.0	-	-	-	-	-	-	0.0	21.0
눈 Snow Fall (cm)	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	5.0	8.0	5.0	-	0.0	0.0	8.0
최 심 날 Date																26일
맑 음 Clear									v							0
개 임 Partly Cloudy			v													4
흐 린 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	27
눈 눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	18
비 비 Rain																9
진 눈 깨 비 Sleet																0
안 개 Fog																1
박 무 Mist																11
유 빙 Drift Ice (Marian Cove/Maxwell Bay)	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC	MB/MC

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 3월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW
1	12.6	0.0	2.9	0.0	5.3	5.2	5.6	0.0	2.6	3.6	3.9	3.8	3.9	10.2	10.7
2	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4
3	24.0	25.6	12.4	0.0	0.0	0.0	0.0	0.0	5.2	0.0	6.0	0.0	6.4	8.2	10.2
4	19.6	19.1	0.0	0.0	15.8	12.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	15.3
5	0.0	0.0	11.3	12.1	18.0	5.2	4.5	4.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	7.7	0.0	0.0	0.0	7.6	8.1	6.2	0.0	0.0	0.0	8.7	10.7
7	0.0	0.0	0.0	5.6	7.8	6.3	7.5	9.6	8.5	5.3	8.1	11.1	5.6	3.8	10.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1	16.2	10.8	0.0
9	0.0	0.0	4.9	3.5	0.0	0.0	0.0	8.2	6.2	12.7	9.5	17.3	15.9	0.0	0.0
10	5.3	5.7	6.0	3.9	4.3	3.8	4.4	3.9	4.1	0.0	4.2	4.6	4.7	0.0	0.0
11	3.5	0.0	0.0	0.0	0.0	0.0	0.0	7.3	11.7	7.0	8.3	10.8	8.5	9.0	6.5
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	9.4	21.0	18.1	4.4	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	18.4	23.0	17.5	0.0	0.0	0.0
14	12.7	0.0	11.1	17.1	10.2	0.0	10.2	12.6	13.2	13.9	9.2	13.0	17.5	0.0	13.2
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	15.0	14.7	13.7	0.0	0.0
16	0.0	0.0	14.5	15.4	15.8	0.0	0.0	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	16.2	18.1	19.2	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	10.0	18.3	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	17.2	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	7.0	9.7	10.1	11.6	11.3	5.9	7.0	0.0	0.0	0.0	0.0	0.0
21	4.9	4.2	4.3	0.0	0.0	0.0	0.0	0.0	6.5	15.2	15.9	8.0	4.2	5.9	3.5
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	15.8	17.9	9.6	0.0	0.0
23	0.0	0.0	8.4	6.9	11.2	12.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	7.5	0.0
24	14.1	0.0	6.2	4.0	0.0	0.0	0.0	5.4	0.0	11.6	10.7	11.9	10.3	10.6	11.0
25	0.0	0.0	0.0	0.0	23.6	15.9	0.0	0.0	0.0	0.0	8.2	12.5	0.0	0.0	0.0
26	6.9	3.5	0.0	5.9	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3
27	17.6	3.1	0.0	0.0	10.6	10.2	8.8	2.7	0.0	16.4	14.4	15.4	11.6	6.4	9.9
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	16.3	6.9	6.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	12.3	13.7
30	0.0	4.8	14.2	8.5	15.0	12.0	5.9	4.7	3.4	0.0	2.3	0.0	0.0	0.0	9.5
31	15.7	0.0	0.0	0.0	20.4	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	11.8
월 Month	24.0	25.6	16.2	18.1	23.6	18.8	11.6	12.6	14.4	18.7	21.0	23.0	17.5	12.3	16.4

동향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1992년 3월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM	
1	42	0	21	0	167	63	104	0	21	83	63	63	83	83	229	0	
2	292	0	0	0	0	0	0	0	0	0	0	0	0	0	708	0	
3	167	354	21	0	0	0	0	0	21	0	21	0	83	167	167	0	
4	354	208	0	0	42	125	21	0	0	0	0	0	0	21	229	0	
5	0	0	208	42	417	42	63	42	104	21	0	0	0	0	0	63	
6	0	0	0	21	0	0	0	21	167	63	0	0	0	333	396	0	
7	0	0	0	21	146	125	188	21	83	83	21	21	83	21	167	0	
8	0	0	0	0	0	0	0	0	0	0	0	417	500	83	0	0	
9	0	0	21	21	0	0	0	43	149	85	447	128	0	0	0	64	
10	42	125	146	83	83	21	21	83	125	42	42	83	0	0	0	21	
11	63	0	0	0	0	0	208	104	21	83	125	167	104	63	63	63	
12	0	0	0	0	0	0	0	42	42	521	375	21	0	0	0	0	
13	0	0	0	0	0	0	0	0	104	229	542	125	0	0	0	0	
14	42	0	83	63	83	0	21	21	42	63	42	167	313	0	42	0	
15	0	0	0	0	0	0	0	0	292	250	292	167	0	0	0	0	
16	0	0	167	271	542	0	0	21	0	0	0	0	0	0	0	0	
17	0	0	21	292	646	42	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	106	681	213	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	188	813	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	83	292	188	250	146	21	21	0	0	0	0	0	0	
21	43	43	106	0	0	0	0	0	43	85	511	106	21	21	21	0	
22	0	0	0	0	0	0	0	0	0	21	167	604	208	0	0	0	
23	0	0	83	208	188	104	0	0	0	0	0	188	229	0	0	0	
24	188	0	63	21	0	0	0	83	0	21	83	208	125	83	125	0	
25	0	0	0	0	875	42	0	0	0	21	63	0	0	0	0	0	
26	104	42	0	63	750	0	0	0	0	0	0	0	0	42	0	0	
27	208	21	0	0	83	21	21	21	0	83	271	125	42	21	63	21	
28	0	0	0	0	0	0	0	0	0	0	0	354	375	250	21	0	
29	0	0	0	0	0	0	0	0	0	0	0	21	521	458	0	0	
30	0	21	271	83	21	21	125	104	42	21	0	0	0	0	250	42	
31	313	0	0	0	188	63	0	0	0	0	0	0	83	354	0	0	
월 Month	60	26	39	51	194	34	26	15	28	16	36	77	127	88	65	108	9

89251 남극 세종과학기지(KARP)

1992년 4월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
기압 평균 Ave. Station	995	993	987	990	994	988	982	991	990	998	1001	995	996	996	992	993	
최고 Highest	1000	1011	1021	1022	1013	1006	1003	989	978	985	980	965	975	984	992		
압 (hPa)	997	994	992	994	996	993	986	999	995	1001	1002	999	999	1000	998		1023
나타난 시간 Time	1003	1019	1022	1023	1020	1008	1005	998	981	990	987	969	981	988	995		19일
최저 Lowest	1521	2135	0003	2321	1336	0022	0001	1848	0001	2359	1049	0018	2358	0655	2400		
Air Press.	2359	2400	1910	1227	0009	0121	0646	0009	0042	1651	0228	0006	2359	2347	2359		
나타난 시간 Time	991	991	985	988	992	985	973	971	987	993	999	993	995	988	988		963
기온 평균 Average	998	1003	1019	1020	1008	1005	998	981	975	978	969	963	967	981	988		27일
평균최고 Ave. Maximum	2351	0130	1409	0726	2400	2358	2355	0100	1249	0015	2400	1503	0305	2015	0608		
평균최저 Ave. Minimum	0054	0013	0018	2400	2359	2209	2400	2400	1554	0013	2359	1237	0017	0517	0023		
온 (°C)	-2.5	-5.3	0.0	1.4	3.1	2.2	3.0	0.7	0.3	-3.3	-8.0	-1.2	2.2	1.6	-0.4		-0.7
최고 Highest	-1.7	-2.3	-1.5	-1.3	-1.4	0.1	1.6	1.6	0.3	-0.5	1.5	0.4	-3.3	-3.7	-4.5		1.3
나타난 시간 Time	0.6	0.6	2.8	2.6	5.7	3.9	5.3	3.6	3.7	-0.6	-6.2	2.4	3.9	3.2	1.6		-2.8
저 Lowest	-0.6	-1.7	-0.4	-0.4	-0.9	1.3	3.1	2.8	2.0	1.1	2.9	3.1	-1.6	-1.3	-3.2		5.7
Temp.	2257	0025	0654	2050	1007	0658	0622	0017	0015	0358	0011	2154	0650	1241	0009		5일
나타난 시간 Time	0005	1129	2045	1306	2026	2350	2030	1700	0332	2304	1502	1316	1140	0516	1935		
최저 Lowest	-4.5	-7.6	-5.4	0.4	2.0	0.0	1.0	-5.4	-0.8	-6.3	-9.5	-8.1	0.7	0.4	-2.2		-9.5
나타난 시간 Time	-2.5	-2.8	-2.7	-2.5	-1.8	-1.7	0.5	0.1	-1.4	-1.5	0.6	-4.2	-5.1	-6.6	-6.0		11일
평균습윤도 (°C)	0147	1745	0035	0210	0514	1457	1759	0555	2359	2354	1924	0059	2202	0751	2014		
Average Dewpoint Temperature	2343	1947	0402	0458	0611	0023	0638	2125	2359	0021	1737	2354	0203	2114	0313		
평균습윤도 (°C)	-9.1	-10.6	-5.3	-4.2	-2.6	-3.6	-1.9	-4.9	-5.3	-10.0	-15.7	-7.5	-4.0	-4.8	-6.2		-7.0
Average Dewpoint Temperature	-9.1	-10.1	-8.6	-7.6	-8.2	-5.5	-4.8	-4.3	-5.4	-7.0	-3.7	-5.1	-9.6	-10.5	-12.7		

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month

강수량(mm)	2.6	1.6	2.0	0.0	0.6	2.4	25.8	8.9	0.2	0.0	0.0	0.2	4.6	0.6	0.2	63.5
Total Precipitation	-	-	0.0	-	0.0	0.0	-	0.4	0.0	0.2	9.0	3.8	0.2	0.2	-	

상 평	96.	97.	96.	96.	97.	97.	96.	97.	96.	96.	93.	96.	97.	96.	96.	95.
대	93.	91.	96.	96.	97.	97.	96.	96.	96.	93.	95.	96.	95.	95.	90.	
습	92.	91.	95.	93.	95.	95.	94.	95.	93.	89.	88.	88.	94.	85.	92.	80.
도	87.	83.	91.	94.	95.	92.	89.	93.	94.	87.	94.	94.	90.	91.	80.	30일
(1%)	0653	0033	0510	0452	1754	1602	2032	0008	0234	0521	0731	1718	2359	1213	1910	
R.H.	1352	0159	0053	0200	0830	0832	2037	1046	2354	1131	2242	0311	0542	0111	1417	

평	10.0	16.1	8.1	4.8	10.0	11.8	13.1	7.5	4.9	6.0	8.6	13.1	10.0	9.6	6.0	7.8
관 24 hour ave.	3.8	1.8	7.1	4.2	10.2	5.9	5.4	2.8	6.5	8.0	13.1	9.6	4.1	6.1	5.7	
합성 풍향 Direction	ENE	E	NNW	NW	N	N	N	NNW	ESE	ENE	E	ENE	N	NNW	NW	N
순간 최대 Greatest Gust	20.7	26.3	18.3	13.6	18.9	25.2	34.9	23.3	13.3	13.5	17.0	25.2	20.2	23.2	13.9	34.9
(m/s) 풍	11.1	7.0	13.7	10.9	16.6	11.7	14.4	11.4	17.7	17.3	21.9	19.6	19.7	17.2	13.7	7일
향 Direction	ENE	E	NE	NW	N	N	N	N	N	NE	ENE	E	N	N	W	N
Wind	0315	1123	0426	0007	2246	0525	0612	0004	0049	2132	2316	0722	1111	1723	0948	
나타난 시간 Time	0120	2334	1041	1942	1046	0004	1440	1957	1334	2048	1103	2327	0108	1629	0148	

구름(1/8)	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Average Amount of Cloud	8.0	8.0	8.0	1.5	8.0	7.0	7.0	7.0	8.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0

폭풍설 시작 시간 Start Time	0810
Blizzard	2020
계속 시간 Duration of Blizzard	1210

1992년 4월

요 소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	일 31	Month
수평면일사량(0.001MJ/m ²)	1977	1980	1932	3417	2587	4104	2213	3575	2341	2467	3275	5356	2969	4377	1646	74711	
Hor. Global Solar Rad.	2380	2099	2236	3558	2074	1407	2532	2261	1655	2915	915	1288	2153	1243	1779		
적 설 최 심 Max. Depth Snow Cover	6.0	10.0	8.0	5.0	5.0	1.0		2.0	1.0	3.0	5.0	3.0	3.0	3.0	2.0		
신적설 합 계 Total	6.0	4.0	0.0	-	-	0.0	-	0.0	2.0	0.0	2.0	3.0	-	0.0	0.0	26.0	
Snow Fall	-	-	5.0	-	1.0	0.0	-	-	0.0	0.0	-	0.0	3.0	0.0	-	6.0	1일
최 심 Max. Depth 나타난 날 Date																	
맑 음 Clear																	
개 임 Partly Cloudy				V				V		V		V		V			1
흐 름 Cloudy	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V		5
눈 Snow	V	V	V														24
비 Rain																	19
진 눈 깨 비 Sleet				V	V	V	V	V	V	V	V	V	V	V	V		12
안 개 Fog																	0
박 무 Mist				V	V	V	V	V	V	V	V	V	V	V	V		2
유 빙 Drift Ice (Marian Cove/Maxwell Bay)	MC	MC	MB/MC	MB/MC	MB/MC	MB/MC	MC	MB/MC	MB/MC	MB/MC	MB/MC	MC	MC	MC	MC		13

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 4월

요소 일 Date	Element Date	N	NNE	NE	ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW
1	0.0	0.0	19.2	20.7	19.7	13.5	0.0	0.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	26.3	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	15.5	16.7	18.3	16.2	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	11.6	13.5	12.6	12.6
4	10.1	8.2	7.6	7.0	0.0	0.0	4.2	3.4	3.8	4.8	4.1	3.6	0.0	5.0	13.6	12.6	12.6
5	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	18.7	18.7
6	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	15.4	15.4
7	34.9	13.5	0.0	0.0	10.9	10.0	0.0	0.0	11.6	0.0	10.2	0.0	0.0	6.0	5.5	18.0	18.0
8	23.3	5.7	0.0	0.0	0.0	4.1	14.4	10.5	8.2	0.0	0.0	0.0	0.0	14.6	13.5	10.1	10.1
9	13.3	0.0	0.0	4.0	7.9	10.3	10.2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	12.5
10	0.0	0.0	13.5	13.3	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	17.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	21.2	21.9	23.2	25.2	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	20.2	17.2	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	11.1
14	23.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	10.0	10.9	10.9
15	4.0	0.0	0.0	11.8	0.0	0.0	2.9	0.0	1.5	0.0	0.0	0.0	13.9	13.0	12.1	10.2	10.2
16	3.2	3.6	3.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	8.1	7.8	9.4	11.1	9.4	0.0	0.0
17	3.2	3.6	5.1	6.5	4.8	4.6	4.8	3.2	0.0	2.9	7.0	7.0	5.3	0.0	3.5	3.2	3.2
18	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	5.9	11.8	13.7	12.8	3.8	3.8
19	7.6	0.0	3.7	4.3	2.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	9.6	9.6	9.6
20	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	16.6	16.0	12.3	12.3
21	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	9.8	9.6	9.6
22	12.4	14.4	11.3	9.5	7.8	0.0	0.0	3.1	7.2	0.0	3.9	0.0	2.9	2.7	0.0	3.3	2.2
23	5.9	2.6	6.5	8.1	10.6	11.4	8.6	5.8	3.5	5.3	5.3	0.0	2.9	2.7	0.0	3.3	2.2
24	0.0	0.0	10.3	13.3	17.6	17.7	11.2	6.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0
25	14.4	0.0	0.0	7.4	7.8	8.2	0.0	0.0	11.3	14.7	13.5	12.3	13.7	14.1	16.8	17.3	17.3
26	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	19.2	21.9	21.9
27	14.5	0.0	0.0	15.8	19.6	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	13.7
28	2.2	2.9	3.3	13.3	19.7	1.7	1.9	0.0	4.0	0.0	0.0	0.0	0.0	2.1	0.0	2.2	2.2
29	4.3	3.6	13.4	14.1	17.2	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	13.2	13.7	12.4	7.7	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
월 Month	34.9	21.2	21.9	23.2	26.3	23.0	14.4	10.5	11.6	14.7	13.5	12.3	13.9	20.0	19.2	21.9	21.9

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1992년 4월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM
1	0	0	188	375	396	21	0	0	21	0	0	0	0	0	0	0	0
2	0	0	0	0	958	42	0	0	0	0	0	0	0	0	0	0	0
3	146	21	83	42	83	0	0	0	0	0	0	104	188	188	146	146	0
4	42	21	63	21	0	0	21	63	63	83	63	42	0	21	188	313	0
5	625	0	0	0	0	0	0	0	0	0	0	0	0	0	21	354	0
6	729	0	0	0	0	0	0	0	0	0	0	0	0	0	83	188	0
7	542	21	0	0	21	42	0	0	42	0	0	21	0	21	21	271	0
8	167	21	0	0	0	21	42	21	42	0	0	0	104	354	229	0	0
9	83	0	0	21	83	375	167	0	0	0	0	0	0	0	0	21	0
10	0	0	104	313	458	0	0	0	0	0	0	0	0	0	0	0	125
11	0	0	0	319	681	0	0	0	0	0	0	0	0	0	0	0	0
12	0	146	313	229	250	63	0	0	0	0	0	0	0	0	0	0	0
13	417	188	42	0	0	0	0	0	0	0	0	0	0	188	167	0	0
14	542	0	0	0	0	0	0	0	0	0	0	0	0	21	250	188	0
15	42	0	0	167	0	0	21	0	21	0	0	0	63	271	167	229	21
16	42	21	63	21	0	0	0	0	0	0	0	208	271	250	42	0	21
17	21	83	63	208	188	63	63	21	0	21	42	63	21	0	42	83	21
18	21	0	0	0	0	0	0	0	0	21	0	42	313	500	63	42	0
19	167	0	42	63	21	63	0	0	0	0	0	0	0	208	396	42	0
20	42	0	0	0	0	0	0	0	0	0	0	0	63	458	292	146	0
21	21	0	0	0	0	0	0	0	0	0	0	0	0	125	396	458	0
22	375	271	125	63	42	0	0	21	42	0	21	0	0	0	42	0	0
23	42	42	42	104	188	146	188	83	42	21	0	21	21	0	42	21	0
24	0	0	42	292	271	313	42	21	0	0	0	0	0	21	0	0	0
25	21	0	0	42	42	42	0	0	21	63	83	229	83	125	125	125	0
26	125	0	0	0	0	0	0	0	0	0	0	0	0	21	188	667	0
27	313	0	0	21	333	83	0	0	0	0	0	0	0	0	0	250	0
28	21	42	104	167	333	21	21	0	21	0	0	0	42	0	0	42	188
29	42	63	292	208	333	0	21	0	0	0	0	0	0	0	0	0	42
30	0	0	313	375	229	63	21	0	0	0	0	0	0	0	0	0	0
월 Month	153	31	63	101	163	45	23	13	10	7	9	21	31	72	95	146	15

89251 남극세종과학기지(KARP)

1992년 5월

요소 Element	일 Date																															월 Month		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
기압 평균 Ave. Station	999	1006	1010	1007	1008	1003	999	1003	1004	1009	1015	1009	997	996	998	998	999	1003	1000	1006	1000	993	993	993	995	999	999	996	999	996	998	998		
기압 최고 Highest	992	993	1001	990	988	988	990	991	984	990	990	993	997	997	995	994	1003	1007	1012	1010	1006	1000	1006	1015	1016	1013	1004	997	999	999	994	1016		
기압 나타난 시간 Time (hPa)	997	1000	1004	996	990	989	993	993	986	992	993	995	999	999	996	997	1111	1640	1904	0140	0914	0001	0008	1956	0137	2359	1247	0024	0030	2400	1146	997	11일	
기압 최저 Lowest	0059	2359	0854	0002	2118	0931	2218	0005	0005	2123	2359	2359	2202	0020	0108	1856	995	1003	1007	1004	1006	1000	997	999	1002	1002	1013	1004	994	995	997	983		
Air Press. 나타난 시간 Time	988	988	996	987	986	987	988	986	983	986	988	992	995	995	993	992	0016	0007	0006	1400	2400	2347	2048	0017	1219	0029	2400	2358	1734	0508	2357	992	24일	
기온 평균 Average	1515	0521	2359	2344	0402	2018	0350	2359	1345	0008	1151	0703	0042	2400	2337	0447	-5.4	-8.5	-9.5	-6.7	-8.6	-3.7	-1.1	-4.3	-0.9	0.4	-1.0	-1.4	-0.1	1.3	-0.2	-8.0		
기온 평균 최고 Ave. Maximum	-0.9	-8.7	-9.8	-6.8	-13.2	-14.7	-14.6	-16.8	-17.2	-12.7	-11.6	-18.5	-14.7	-13.8	-13.6	-16.9	-5.4	-3.0	-7.9	-2.1	-10.9	-13.6	-12.9	-15.5	-15.7	-7.5	-5.3	-15.7	-12.9	-10.4	-10.0	-13.8	14일	
기온 평균 최저 Ave. Minimum	-3.6	-6.6	-6.7	-2.9	-6.8	-1.3	-0.4	-3.0	0.5	2.0	-0.6	-0.7	2.3	3.1	0.8	3.1	0039	0011	0215	1318	2359	2357	1652	1116	2329	0510	2103	0329	1530	0820	1052	-5.8		
기온 최고 Highest (°C)	1407	0013	2359	0727	0006	2059	1928	0812	1238	2348	0535	2359	1150	1214	1319	0001	-6.7	-10.8	-11.3	-10.8	-9.9	-7.0	-5.6	-6.0	-3.5	-0.6	-1.5	-2.2	-2.0	-0.3	-1.1	-20.7		
기온 최저 Lowest Temp.	2400	1535	1223	0028	0526	0019	2320	0333	0018	2400	0915	1236	0253	2258	2400	2239	2346	0044	2359	2008	2252	2244	1901	0405	0003	2400	1006	0719	1915	0420	0917	-18.2		
평균눈점온도(°C)	-13.4	-16.2	-17.3	-15.0	-15.6	-10.5	-7.0	-10.7	-7.8	-5.4	-6.5	-6.8	-5.5	-4.3	-5.4	-14.8	-6.7	-15.0	-16.7	-13.3	-19.7	-21.5	-22.1	-24.2	-25.4	-20.7	-18.6	-25.8	-23.0	-22.5	-21.6	-23.7		
Average Dewpoint Temperature																																		

1992년 5월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.0	0.4	0.6	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	0.0	2.6
Total Precipitation	0.0	0.4	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.0	-	-	0.0	0.2	
평 균 Average	90.	92.	92.	91.	93.	94.	94.	94.	94.	94.	94.	94.	94.	94.	94.	95.	93.
최 소 Lowest	94.	95.	94.	94.	95.	94.	93.	94.	89.	89.	94.	93.	89.	86.	90.	95.	
도 (1%)	78.	89.	87.	79.	88.	89.	93.	92.	90.	93.	93.	93.	93.	93.	85.	85.	70.
R.H.	93.	93.	83.	91.	93.	84.	90.	91.	78.	76.	90.	88.	83.	70.	79.	94.	29일
나타난 시간 Time	0537	1355	2357	0452	1200	0301	2158	1640	0300	2228	1413	1702	2319	0505	1101		
	1415	1114	0740	0722	0726	1036	0948	0936	1330	0002	0500	2104	1300	1227	0003	2148	
평 균 24 hour ave.	7.2	4.9	7.4	7.8	4.7	4.6	7.1	4.7	11.0	8.2	6.7	5.6	5.0	5.5	1.4	7.7	
합 성 풍 향 Direction	4.1	11.0	6.0	7.8	13.0	14.1	12.2	9.1	7.7	2.6	10.7	13.1	4.9	2.3	5.2	22.2	E
순 간 최 대 Greatest Gust	E	E	E	N	ENE	NW	E	E	ENE	ENE	NE	NW	NW	NW	ENE	ENE	E
(m/s) 풍 향 Direction	15.1	11.0	16.2	17.0	16.1	13.8	13.9	13.0	22.0	22.5	12.3	11.0	14.2	11.7	5.2	37.4	
Wind 나타난 시간 Time	14.0	21.2	19.2	19.5	22.0	23.9	20.8	17.9	18.5	8.4	25.3	24.4	12.2	8.6	24.8	37.4	31일
	E	ESE	E	E	E	N	W	N	WSW	WSW	NW	NW	NW	NW	NE	E	
	ESE	E	E	E	E	E	E	ENE	ENE	NNW	ENE	E	E	NE	E	E	
구름(1/8)	1458	0711	1827	2309	0033	0831	1156	1250	1053	0509	2015	0105	1054	0510	1733		
Average Amount of Cloud	2140	0733	0027	2331	0257	2211	0227	1959	0036	2356	1828	0755	0200	0224	2350	1645	
폭풍설 시작 시간 Start Time	8.0	8.0	8.0	8.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.2
Blizzard	8.0	8.0	5.0	8.0	8.0	8.0	8.0	8.0	5.0	8.0	8.0	5.0	4.0	3.0	5.0	8.0	
계 속 시 간 Duration of Blizzard					1550		1730										1130
																	2400
																	1230
																	3810

1992년 5월

요 소 Element	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31	월 Month	
수평면일사량(0.001MJ/m ²) Hor. Global Solar Rad.	869	1311	2065	1429	1157	1238	1147	1013	1175	839	955	1319	1603	1312	1198	1105	1210	830	43544	
적 설 최 심 Max. Depth Snow Cover	2.0	10.0	8.0	10.0	10.0	15.0	15.0	15.0	16.0	14.0	18.0	18.0	18.0	15.0	13.0	15.0	20.0			
신적설 합 계 Total	3.0	5.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	5.0	0.0	-	-	-	46.0			
Snow Fall	1.0	10.0	0.0	2.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	-	-	-	5.0	10.0	17일	
최 심 Max. Depth 나타난 날 Date																				
기상 현상	맑음 Clear																			0
	개	입 Partly Cloudy																		8
	흐	림 Cloudy																		23
	눈	Snow																		22
	비	Rain																		1
	진눈깨비 Sleet																			2
Meteo. Phenomena	안개 Fog																			2
	박	무 Mist																		9
	유빙 Drift Ice (Marian Cove/Maxwell Bay)																			

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 5월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		0.0	0.0	11.7	13.2	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2		0.0	0.0	0.0	7.4	10.3	11.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3		0.0	0.0	0.0	6.6	16.2	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4		0.0	0.0	0.0	16.0	17.0	13.4	7.1	10.3	5.9	0.0	12.8	14.0	12.6	10.8	11.9	12.1
5		0.0	0.0	12.8	15.3	16.1	5.2	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6		13.8	3.9	3.8	0.0	0.0	0.0	0.0	0.0	6.5	8.5	8.9	5.7	7.6	7.8	7.9	10.8
7		0.0	0.0	0.0	0.0	11.8	12.4	0.0	0.0	11.7	0.0	0.0	8.8	13.9	11.4	4.9	0.0
8		13.0	0.0	3.9	7.4	11.0	7.1	1.8	0.0	2.4	7.5	7.6	9.8	11.3	8.6	0.0	9.8
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	21.4	12.6	0.0	0.0
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5	19.4	8.1	12.9	13.6
11		6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	12.3	9.9
12		3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.0	11.0	9.3
13		10.3	0.0	1.5	2.5	3.2	0.0	0.0	0.0	2.4	1.8	0.0	1.5	2.2	0.0	10.4	14.2
14		11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	9.8	11.7
15		3.8	3.8	5.2	3.1	3.9	2.3	3.2	3.9	2.5	2.7	3.0	3.0	4.1	0.0	2.8	1.8
16		10.7	8.1	10.7	10.4	12.1	14.0	4.6	5.6	6.8	1.8	0.0	0.0	0.0	9.6	11.9	8.8
17		0.0	0.0	11.0	20.7	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18		0.0	0.0	10.0	8.8	19.2	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19		0.0	9.5	13.5	15.5	19.5	18.3	8.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5
20		0.0	0.0	0.0	21.9	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21		0.0	0.0	0.0	0.0	23.9	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22		0.0	0.0	12.7	19.4	20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23		0.0	0.0	14.4	17.9	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24		0.0	0.0	13.9	18.5	17.0	3.8	3.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25		6.4	3.0	3.6	7.1	5.6	4.4	3.4	3.1	0.0	0.0	2.5	2.9	4.7	0.0	6.2	8.4
26		12.7	0.0	9.4	25.3	19.6	8.9	0.0	0.0	7.7	0.0	0.0	0.0	0.0	2.3	8.3	12.6
27		0.0	0.0	0.0	21.7	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28		0.0	0.0	9.1	10.0	12.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29		8.0	6.5	8.6	5.7	1.6	4.0	4.1	5.6	4.3	0.0	3.9	3.9	0.0	0.0	0.0	0.0
30		0.0	2.7	0.0	23.8	24.8	11.4	4.8	5.5	4.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0
31		0.0	0.0	0.0	0.0	37.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
월	Month	13.8	9.5	14.4	25.3	37.4	22.5	8.0	10.3	11.7	8.5	12.8	22.5	21.4	12.6	12.9	14.2

풍향별 관측횟수의 배분율 Rate of frequency of wind directions (unit : 0.1%)

1992년 5월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정온 CLM
1	0	0	43	234	723	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	104	625	229	42	0	0	0	0	0	0	0	0	0	0
3	0	0	0	63	729	208	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	83	208	104	21	42	21	0	42	146	21	104	146	63	0
5	0	0	313	396	125	63	0	21	0	0	0	0	0	0	0	0	83
6	250	63	42	0	0	0	0	0	21	104	42	21	125	146	125	63	0
7	0	0	0	0	42	42	0	0	21	0	0	42	625	208	21	0	0
8	63	0	21	83	146	21	21	0	21	21	63	146	188	21	0	125	63
9	0	0	0	0	0	0	0	0	0	0	0	313	625	63	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	188	167	42	292	313	0
11	63	0	0	0	0	0	0	0	0	0	0	0	83	563	292	0	0
12	21	0	0	0	0	0	0	0	0	0	0	0	21	63	771	125	0
13	21	0	42	21	42	0	0	0	21	42	0	42	21	0	63	521	167
14	125	0	0	0	0	0	0	0	0	0	0	0	104	83	688	0	0
15	42	63	188	104	21	21	21	125	63	42	21	63	42	0	42	42	104
16	21	83	167	21	42	21	125	104	125	21	0	0	0	146	63	42	21
17	0	0	21	208	771	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	188	250	479	83	0	0	0	0	0	0	0	0	0	0	0
19	0	42	63	188	229	333	42	63	0	0	0	0	0	0	0	42	0
20	0	0	0	42	958	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	563	417	0	0	0	0	0	0	0	0	0	0	0
22	0	0	21	417	563	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	396	542	63	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	167	604	125	42	21	42	0	0	0	0	0	0	0	0	0
25	125	21	21	271	125	63	42	21	0	0	21	42	42	0	83	83	42
26	146	0	21	396	208	42	0	0	21	0	0	0	0	21	21	125	0
27	0	0	0	313	688	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	146	292	417	146	0	0	0	0	0	0	0	0	0	0	0
29	63	104	271	104	21	21	42	104	83	0	42	63	0	0	0	0	83
30	0	21	0	313	250	63	83	83	146	21	0	0	0	0	0	0	21
31	0	0	0	0	1000	0	0	0	0	0	0	0	0	0	0	0	0
월 Month	30	13	69	163	296	62	15	20	17	8	7	34	61	32	73	81	19

89251 남극세종과학기지(KARP)

1992년 6월

요소 Element	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31	월 Month
기압 평균 Ave. Station	1002	1011	1014	1014	1008	1006	1001	1009	1016	1015	1009	998	995	996	996	1003	1001	1001	1001
기	1004	1003	991	976	985	998	1002	997	988	976	985	996	996	1003	1015	1012			1012
압	1008	1014	1015	1015	1013	1008	1004	1013	1017	1016	1013	1005	996	996	997	1006			1017
(hPa)	1006	1006	998	981	994	999	1005	1005	992	982	992	997	1013	1013	1017	1013			29일
나타난 시간 Time	2400	2124	2019	1835	0006	1117	2358	2400	1738	0004	0026	0026	2400	2359	1512				
최	1639	0111	0011	2400	2357	1544	2001	0030	0956	0008	2400	1947	2400	1000	1935				971
Air	994	1008	1013	1013	1005	1004	998	1004	1013	1013	1005	992	993	993	995	997			25일
Press.	1002	998	980	972	981	994	998	985	982	971	976	992	997	1013	1011				
나타난 시간 Time	0119	0025	0432	2400	2234	2359	1515	0002	0007	2358	2354	2344	0008	0537	0007				
	0204	2400	2357	0758	0059	0005	0410	2330	2126	1544	0018	0034	0149	2400	1335				
기온 평균 Average	-14.0	-10.9	-7.5	-11.2	-5.4	-2.7	-0.2	-1.4	-5.5	-3.0	-0.2	-2.1	-6.7	-4.9	-1.9				-7.7
기	-1.7	-6.9	-4.5	-8.6	-9.7	-12.9	-13.6	-8.9	-7.5	-9.1	-15.0	-16.0	-14.3	-12.9	-12.0				-5.1
평																			-10.7
균																			
최																			
온	-12.2	-5.7	-5.3	-8.3	-4.0	-0.9	0.2	-0.7	-2.3	-1.0	0.9	0.5	-4.9	-1.0	0.4				0.9
(℃)	-0.1	-4.7	-1.8	-0.8	-8.5	-12.1	-12.0	-4.4	-2.5	-2.5	-13.6	-14.3	-11.1	-10.6	-10.3				11일
나타난 시간 Time	2221	2359	0440	2241	2137	2400	1451	1346	0049	2359	2312	0002	0003	2016	2057				
최	0037	2248	2400	0243	1243	2351	0649	2336	2116	0545	0243	1011	1748	2352	0124				
Air	-16.6	-15.5	-11.4	-13.1	-9.5	-4.6	-1.0	-2.3	-7.5	-6.7	-1.5	-5.0	-8.5	-8.3	-4.2				-18.5
Temp.	-5.8	-8.8	-6.5	-13.8	-12.6	-14.1	-15.6	-15.3	-12.5	-16.2	-16.4	-18.4	-18.5	-15.5	-14.3				28일
나타난 시간 Time	0011	0617	2255	1252	0001	0003	0016	2400	1618	0043	0502	2359	2252	0029	0753				
	2359	1634	0324	1452	2356	1905	2336	0002	0437	2001	2333	2345	0105	0749	2045				
눈점온도(℃)	-20.3	-17.3	-13.9	-17.5	-11.9	-9.7	-5.8	-6.9	-10.8	-9.0	-6.6	-8.4	-12.5	-11.0	-7.4				-14.3
Average Dewpoint Temperature	-6.7	-12.3	-11.1	-15.5	-18.3	-20.7	-20.7	-16.7	-14.4	-15.4	-22.4	-24.0	-21.4	-20.8	-19.0				

1992년 6월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.2	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	0.2	0.4	0.0	0.0	-	1.6
Total Precipitation	0.2	0.0	-	0.0	0.0	-	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	-	-	
평 균 Average	94.	93.	94.	94.	94.	94.	94.	94.	94.	94.	93.	92.	94.	94.	93.	94.	92.
대 소 Lowest	93.	94.	94.	92.	87.	90.	92.	90.	92.	94.	90.	90.	92.	88.	93.	94.	93.
최 도	86.	86.	93.	93.	88.	91.	93.	93.	93.	92.	86.	85.	93.	91.	93.	93.	72.
(1%) 나타난 시간 Time	92.	92.	91.	80.	82.	86.	84.	79.	87.	90.	82.	84.	85.	72.	84.	84.	29일
R.H.	1258	0446	0345	0830	1719	2029	0008	2220	0312	0356	2358	0006	1649	0900	1615	1615	
	0758	1905	1807	2201	1909	0633	2305	0231	1222	1202	2251	0013	2350	1155	0124	0124	
평 균 24 hour ave.	9.2	2.5	2.9	2.5	5.5	9.0	11.3	5.4	1.2	4.5	6.0	8.3	12.8	6.7	5.9	6.9	
바	5.7	1.4	9.6	10.3	7.0	9.3	13.2	6.3	7.1	11.0	7.2	6.6	9.7	6.3	1.8	1.8	
합성 풍향 Direction	E	ENE	SE	SE	WNW	WNW	NW	WNW	NNE	NNW	NNW	E	E	ENE	NW	NW	E
람 순 간 최 대 Greatest Gust	NW	NE	WNW	WSW	SSW	E	E	WNW	NNW	NNE	SE	E	ESE	E	SSE	SSE	
(m/s) 풍 향 Direction	34.3	12.5	7.6	8.2	11.0	17.3	20.0	12.9	5.5	9.5	12.9	20.9	24.9	21.3	16.4	34.3	
Wind 나타난 시간 Time	14.9	7.5	22.4	23.4	14.4	19.4	24.7	15.3	16.5	26.9	22.3	17.2	19.8	20.9	5.1	17.1	1일
	E	ESE	ESE	SE	W	NW	NW	NW	NNW	NNW	NNW	E	ENE	ENE	NNW	NNW	E
	NNW	NNW	NW	NW	ENE	ENE	E	NNW	ESE	E	E	ENE	SE	E	SE	SE	
Average Amount of Cloud	0041	0007	2011	0822	0915	2141	0320	0936	0409	2358	1527	2105	2008	0520	1734	1734	
폭풍설 시작 시간 Start Time	0414	2227	2349	0121	2347	0544	1057	2322	0227	1626	0020	2156	1509	0359	1843	1843	
구름(1/8)	8.0	3.0	8.0	5.0	6.0	8.0	8.0	8.0	6.0	6.0	7.0	8.0	8.0	8.0	8.0	8.0	6.8
Average Amount of Cloud	8.0	6.0	8.0	6.0	8.0	4.0	6.0	7.0	8.0	8.0	3.0	7.0	8.0	8.0	8.0	8.0	
폭풍설 시작 시간 Start Time	0000									1400			1430				
Bliz- zard	0520										0130						
계속 시간 Duration of Blizzard	0520												0430				2750

1992년 6월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	911	1107	871	1387	818	714	605	797	984	825	751	851	834	786	767	25385
	795	665	780	690	776	962	850	846	841	781	895	913	746	879	958	
최 설 최 심 Max. Depth Snow Cover	24.0	24.0	22.0	22.0	20.0	20.0	20.0	18.0	18.0	18.0	16.0	20.0	26.0	26.0	24.0	
	28.0	25.0	22.0	21.0	21.0	21.0	35.0	35.0	35.0	40.0	42.0	40.0	38.0	38.0	35.0	
신적설 합 계 Total	5.0	0.0	-	0.0	-	-	0.0	0.0	-	-	0.0	2.0	5.0	0.0	0.0	41.0
Snow (cm)	4.0	0.0	-	0.0	0.0	-	15.0	2.0	0.0	5.0	3.0	0.0	0.0	0.0	-	15.0
최 심 Max. Depth Fall 나타난 날 Date																22일
담																0
개		v		v	v	v	v		v	v	v					10
흐	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	20
눈	v	v		v	v	v	v	v	v	v	v	v	v	v	v	20
비	v	v		v	v	v	v	v	v	v	v	v	v	v	v	0
진 눈 개 비 Sleet								v						v		3
안	v							v								4
박	v	v				v		v		v	v	v	v	v	v	10
유 빙 Drift Ice (Marian Cove/Maxwell Bay)									v							MC해빙

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 6월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		0.0	0.0	0.0	16.0	34.3	11.7	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2		0.0	4.6	4.3	3.4	2.2	12.5	0.0	5.3	4.2	0.0	0.0	0.0	4.8	4.3	2.9	3.5
3		0.0	4.0	5.7	5.1	5.9	7.6	7.2	0.0	4.5	0.0	6.3	6.1	5.5	2.6	0.0	0.0
4		0.0	3.5	2.9	6.0	7.7	7.9	8.2	3.0	4.1	3.9	3.8	0.0	4.6	0.0	0.0	5.7
5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.7	11.0	10.5	9.4	0.0
6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	16.2	17.3	0.0
7		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	18.7	20.0	19.8
8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.3	8.0	12.0	12.9	0.0	0.0
9		5.4	4.3	4.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	4.4	3.1	0.0	3.1	5.5	0.0
10		0.0	2.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	3.9	0.0	7.0	9.5
11		11.3	11.1	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	12.9
12		0.0	0.0	8.8	14.7	20.9	9.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13		0.0	0.0	0.0	24.9	23.6	10.8	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14		0.0	7.3	19.8	21.3	19.0	12.2	0.0	0.0	0.0	0.0	6.7	6.5	7.3	12.0	15.4	16.4
15		14.8	0.0	1.8	0.0	0.0	4.4	0.0	4.1	0.0	2.6	0.0	3.3	5.3	7.1	11.1	14.9
16		0.0	0.0	0.0	7.4	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
17		6.5	2.2	3.2	3.8	5.7	5.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	21.8	16.4	22.4	8.7
19		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	20.3	14.6	22.3	23.4	0.0
20		0.0	0.0	7.2	14.4	5.6	5.3	4.8	7.7	0.0	0.0	11.8	14.1	0.0	0.0	0.0	0.0
21		0.0	0.0	0.0	19.4	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22		0.0	0.0	0.0	21.5	24.7	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23		10.5	3.5	0.0	10.4	10.5	0.0	0.0	0.0	0.0	0.0	0.0	13.7	8.7	8.5	9.2	15.3
24		15.5	16.2	12.1	13.6	12.9	16.5	7.2	0.0	0.0	0.0	13.4	10.7	5.5	11.3	10.7	13.2
25		0.0	0.0	0.0	0.0	26.9	25.1	0.0	0.0	0.0	0.0	0.0	0.0	11.5	9.8	11.5	2.1
26		0.0	0.0	0.0	0.0	22.3	20.9	18.4	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27		0.0	0.0	0.0	17.2	15.0	8.1	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28		0.0	0.0	0.0	16.6	14.1	14.4	19.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29		0.0	2.3	9.6	20.7	20.9	7.7	4.5	1.6	1.7	0.0	0.0	0.0	0.0	3.2	0.0	0.0
30		2.5	0.0	2.8	3.3	2.9	4.6	5.1	4.3	4.9	5.0	4.5	3.9	0.0	0.0	0.0	0.0
월	Month	15.5	16.2	19.8	24.9	34.3	25.1	19.8	16.1	4.9	5.0	15.0	20.3	21.8	22.3	23.4	19.8

풍향별 간헐횟수의 백분율

Rate of frequency of wind directions (unit : 0.1%)

일 Date	요소 Element	1992년 6월																	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	83	125	21	208	542	146	104	0	0	0	0	0	0	0	0	0	0	0
3	0	42	21	42	104	271	188	0	63	104	0	0	0	0	250	21	42	63	21
4	0	21	21	63	104	208	271	21	21	83	42	21	83	167	42	21	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	21	63	354	375	188	0	42	83
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	500	313	0	0
7	0	0	0	0	0	0	0	0	0	0	0	21	104	271	500	125	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	104	500	354	0	0	0	0
9	63	188	292	0	0	0	0	0	0	0	0	21	42	0	42	63	271	0	0
10	0	83	63	0	0	0	0	0	0	0	0	0	0	0	146	708	0	0	0
11	313	42	21	0	0	0	0	0	0	0	0	0	21	21	42	542	0	0	0
12	0	0	188	146	542	104	21	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	208	771	21	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	42	146	375	208	42	0	0	0	0	0	0	0	0	0	0	0	0	0
15	63	0	21	0	0	0	21	21	21	21	0	0	0	0	0	0	0	0	0
16	0	0	0	83	0	0	21	0	21	0	0	42	63	83	83	417	146	42	42
17	42	21	167	146	83	125	42	0	21	0	21	0	21	42	83	313	375	21	21
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	271	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	83	375	125	396	21	0	0
20	0	0	0	0	0	0	0	0	0	0	0	83	583	167	63	104	0	0	0
21	0	0	21	167	83	104	42	21	0	0	0	83	479	0	0	0	0	0	0
22	0	0	0	188	813	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	63	42	0	63	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	167	83	125	42	21	63	21	0	0	0	0	0	0	375	83	42	208	0	0
25	0	0	0	0	0	333	167	0	0	0	0	21	21	21	250	63	104	0	0
26	0	0	0	0	0	42	125	604	229	0	0	0	0	83	125	271	21	0	0
27	0	0	0	0	458	188	104	250	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	83	271	21	563	63	0	0	0	0	0	0	0	0	0	0	0
29	0	21	125	333	167	125	83	21	21	0	0	0	0	0	0	0	0	0	0
30	42	0	83	83	21	83	188	42	125	83	167	42	0	0	0	0	0	83	42
월 Month	25	22	47	99	167	68	80	17	13	6	18	65	66	83	110	87	28	87	28

89251 남극세종과학기지(KARP)

1992년 7월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31	Month
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		월
기 압 평균 Ave. Station	1006	1006	999	996	993	1000	995	991	1003	999	991	1004	1020	1013	993			996
기	996	980	982	994	1009	1013	1002	996	988	973	985	988	996	992	987			982
압	1012	1007	1005	998	1002	1002	1001	996	1007	1007	996	1012	1024	1022	999			1024
나타난 시간 Time (hPa)	999	990	986	1002	1012	1015	1013	1000	996	981	989	991	998	996	988			986
최	0005	1903	0003	1315	2358	0134	0016	2341	2233	0002	2400	2358	2008	0008	0003			1024
기	1145	0001	2359	2400	1614	1806	0024	1620	0007	2400	0956	2359	1428	0330	1120			13일
저	1002	1005	994	991	987	999	990	989	995	991	989	995	1011	997	990			962
Press, Air	990	976	977	986	1002	1010	992	991	981	962	981	983	990	985	985			25일
나타난 시간 Time	1252	2400	2400	2400	0433	0707	2346	0819	0021	1747	1339	0003	0017	2358	1025			980
기	2400	1403	0007	0006	0008	0025	2359	0104	2333	1741	0007	0006	0002	2147	2358			1649
기	-12.7	-15.9	-9.9	-8.7	-14.4	-11.1	-13.2	-13.5	-19.4	-10.6	-3.4	-11.4	-18.5	-9.0	-0.8			-7.2
은	-1.0	0.5	-0.9	-5.5	-5.8	-2.7	0.4	0.4	0.9	-0.3	-2.1	-4.6	-8.0	-9.5	-6.4			-1.9
평균최고 Ave. Maximum																		-4.3
평균최저 Ave. Minimum																		-10.4
온	-10.6	-13.4	-6.7	-6.6	-7.2	-8.3	-11.1	-10.6	-17.0	0.6	0.0	-9.5	-10.4	-1.8	-0.1			1.3
(℃)	0.7	0.9	0.2	-1.7	-3.1	-1.8	1.2	1.2	1.3	1.0	-0.1	-2.6	-4.8	-3.7	-4.3			24일
나타난 시간 Time	0256	0146	2332	2322	0041	0734	0106	0729	0118	2222	0130	0004	0024	2345	2045			-0.8
기	2328	0157	0023	0003	0432	0611	1618	2318	0602	1330	1458	1524	2140	2105	2359			1203
저	-15.7	-17.3	-16.2	-10.2	-16.9	-15.8	-14.9	-17.6	-21.3	-21.2	-9.5	-13.8	-23.6	-16.3	-2.0			-23.6
Temp, Air	-3.2	-0.1	-2.1	-9.9	-9.2	-4.0	-2.7	-0.3	0.1	-3.0	-3.7	-7.0	-11.5	-14.2	-8.9			-4.3
나타난 시간 Time	1828	1731	0014	1309	1543	0002	0356	2344	2348	0010	2356	0908	1011	0001	0004			13일
기	0550	1858	0602	2145	1041	0114	0126	1420	1308	2306	0815	1019	1552	0734	1718			0001
평균습점온도(℃)	-20.0	-23.5	-16.5	-14.7	-20.8	-18.4	-21.2	-21.1	-27.0	-17.7	-9.2	-17.8	-26.2	-15.5	-6.2			-13.5
Average Dewpoint Temperature	-6.7	-4.3	-6.4	-11.2	-12.7	-8.1	-4.8	-5.4	-4.3	-5.9	-9.1	-11.9	-14.3	-16.1	-13.2			-7.9

1992년 7월

요소 Element	일 Date																															월 Month				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
강수량(mm)	-	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2		
Total Precipitation	-	0.6	0.2	-	-	0.0	0.4	0.0	0.6	0.2	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
평 균 Average	92.	91.	93.	94.	93.	91.	88.	91.	89.	89.	94.	93.	90.	93.	94.	94.	92.	93.	87.	84.	93.	88.	91.	89.	89.	89.	93.	90.	93.	94.	93.	94.	94.	92.		
최 소 Lowest	85.	86.	90.	93.	87.	84.	73.	80.	80.	80.	78.	87.	74.	89.	74.	89.	89.	89.	89.	89.	89.	89.	89.	89.	89.	89.	89.	89.	89.	89.	89.	89.	89.	89.	73.	
나타난 시간 Time (1%)	2110	0059	0011	0927	2243	2355	2150	0002	2222	0428	0801	0728	0357	0452	0925																					
R. H.	0505	0749	0152	2359	0906	0954	2350	0725	2342	2059	1500	2133	1328	1657	1536	0500																				
평 균 24 hour ave.	6.2	4.8	3.9	2.2	12.0	3.8	6.7	16.5	11.6	7.0	7.3	2.6	3.2	11.0	10.3	8.2																				
바 합성 풍 향 Direction	9.1	12.7	9.5	3.2	3.8	4.6	12.6	13.9	14.9	15.2	11.0	6.2	6.6	6.6	6.2	9.9	NNW	ENE	ESE	E	W	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNW		
순 간 최 대 Greatest Gust (m/s)	18.6	14.8	11.0	12.4	27.1	10.9	22.1	29.0	24.5	21.8	19.7	15.8	12.7	24.0	24.4	35.3	17.6	20.9	18.0	12.0	10.1	11.3	25.2	27.4	28.3	35.3	24.1	18.2	18.6	12.0	17.7	18.6	25.3	W		
Wind 나타난 시간 Time	1919	0711	0748	2356	0921	0831	1720	2102	0508	1725	2258	0002	2359	2333	0015	0913	0431	0337	0059	2116	2302	0458	0848	0529	1840	1417	0005	0036	1122	2233	0521					
Average Amount of Cloud	8.0	8.0	8.0	8.0	8.0	8.0	5.0	8.0	5.0	8.0	8.0	8.0	1.0	8.0	8.0	7.1	8.0	8.0	8.0	4.0	4.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.0	
폭풍설 시작 시간 Start Time																																				0330
Blizzard 끝난 시간 End Time																																				1400
Blizzard 계속 시간 Duration of Blizzard																																				1030

1992년 7월

요 소 Element	일 Date												월 Month			
	16	17	18	19	20	21	22	23	24	25	26	27		28	29	30
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	856	954	931	948	945	1006	924	1124	1194	977	1044	1137	1544	1224	1183	39018
	1249	970	1086	1523	1897	1456	1127	1408	870	962	1646	1652	1927	1874	1884	1496
눈 Snow (cm)	33.0	33.0	34.0	35.0	40.0	40.0	40.0	42.0	42.0	44.0	45.0	45.0	44.0	44.0	44.0	25.0
최 심 Max. Depth	40.0	38.0	40.0	36.0	32.0	36.0	30.0	29.0	25.0	23.0	22.0	24.0	25.0	26.0	25.0	26.0
최 심 Max. Depth	40.0	38.0	40.0	36.0	32.0	36.0	30.0	29.0	25.0	23.0	22.0	24.0	25.0	26.0	25.0	26.0
합 계 Total	-	0.0	1.0	1.0	5.0	0.0	0.0	2.0	0.0	3.0	2.0	0.0	-	0.0	0.0	25.0
합 계 Total	-	0.0	2.0	-	-	4.0	0.0	0.0	0.0	0.0	-	2.0	1.0	1.0	-	1.0
낙설 Snow Fall																5.0
날 Date																5일
기상 현상 Meteo. Phenomena	맑음 Clear															1
	개일 Partly Cloudy			v	v		v		v							5
	흐림 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	25
	눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	24
	비 Rain	v	v	v	v	v	v	v	v	v	v	v	v	v	v	0
	진눈깨비 Sleet															4
	안개 Fog															1
	박무 Mist															9
	유빙 Drift Ice (Marian Cove/Maxwell Bay)	v	v	v	v	v	v	v	v	v	v	v	v	v	v	

방향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 7월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW
1	0.0	3.0	13.3	18.6	15.3	5.5	0.0	0.0	0.0	3.0	6.6	9.5	11.4	12.1	0.0	4.5
2	0.0	0.0	12.9	5.2	14.8	3.3	3.5	3.2	2.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
3	11.0	3.2	2.0	0.0	0.0	2.3	0.0	3.7	0.0	0.0	0.0	0.0	0.0	4.5	2.6	10.5
4	0.0	0.0	8.0	7.9	12.4	8.0	5.3	6.3	2.5	2.6	0.0	0.0	0.0	3.1	0.0	0.0
5	0.0	0.0	10.2	27.1	25.3	18.5	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.8	0.0	2.9
6	6.6	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	7.3	8.4	10.9	8.8	4.4	10.3	10.0
7	0.0	0.0	11.2	22.1	21.1	3.2	1.9	2.1	5.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	29.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	9.5	18.4	22.6	24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	21.4	21.8	11.7	11.2	14.5	12.5	13.0	0.0	6.1	0.0	5.6	0.0	0.0	0.0	0.0	13.4
11	12.2	0.0	0.0	19.7	18.0	16.5	5.5	0.0	6.7	4.9	0.0	0.0	0.0	7.6	8.5	13.8
12	1.7	2.1	11.5	15.8	5.9	11.7	0.0	3.9	4.7	2.2	2.6	2.6	1.7	3.0	4.0	3.0
13	4.6	4.5	4.1	7.7	11.6	11.1	8.6	0.0	7.2	7.1	2.3	0.0	0.0	12.7	9.0	8.1
14	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	15.3
15	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	18.6	15.6	13.1	18.6
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	17.6	14.7	15.4	16.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.4
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	16.8	14.9	14.8
19	3.1	4.2	3.6	3.2	0.0	0.0	0.0	0.0	0.0	8.9	0.0	6.0	9.2	12.0	7.7	6.3
20	7.2	5.6	5.1	4.7	3.5	0.0	6.0	5.6	0.0	0.0	2.7	8.8	0.0	10.0	10.1	9.3
21	5.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	9.3	11.3
22	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	19.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	25.7	20.1	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	22.9	21.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.3	33.0	34.6	18.3
26	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	20.6	18.5	19.4
27	11.6	10.5	9.5	11.5	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	18.2	10.0	8.9
28	2.8	0.0	13.7	15.1	18.6	16.5	0.0	0.0	0.0	0.0	2.8	0.0	9.5	10.1	11.1	10.6
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	11.1	11.0	10.8	11.1	12.0
30	0.0	0.0	9.6	0.0	0.0	0.0	0.0	0.0	5.6	12.3	8.8	16.2	17.7	15.9	8.2	7.3
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	18.6	18.2	16.1	17.5
월 Month	25.2	21.8	18.4	29.0	27.6	18.5	13.0	6.3	7.2	12.3	10.4	17.6	35.3	33.0	34.6	21.0

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1992년 7월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정온 CLM
1	0	21	167	125	83	63	0	0	0	21	83	83	104	167	0	63	21
2	0	0	604	63	63	42	42	104	63	21	0	0	0	0	0	0	0
3	63	21	0	21	0	0	21	0	0	0	0	0	0	104	83	646	21
4	0	0	125	104	167	167	63	146	83	21	0	0	0	21	0	0	104
5	0	0	42	188	688	21	0	0	21	0	0	0	0	21	0	21	0
6	21	0	21	0	0	0	0	0	0	125	188	146	125	63	188	125	0
7	0	0	208	583	83	21	21	21	21	42	0	0	0	0	0	0	0
8	0	0	0	750	250	0	0	0	0	0	0	0	0	0	0	0	0
9	0	21	188	438	354	0	0	0	0	0	0	0	0	0	0	0	0
10	229	63	83	104	63	188	188	0	21	0	21	0	0	0	0	42	0
11	42	0	0	146	83	208	63	0	63	21	0	0	0	21	83	271	0
12	21	21	188	167	21	83	0	21	83	42	42	21	42	21	104	63	63
13	83	104	42	42	83	63	83	0	146	42	21	0	0	104	42	125	21
14	125	0	0	0	0	0	0	0	0	0	0	0	0	0	271	604	0
15	42	0	0	0	0	0	0	0	0	0	42	354	313	125	125	0	0
16	0	0	0	0	0	0	0	0	0	0	146	188	104	313	250	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	354	646	0
18	0	0	0	0	0	0	0	0	0	0	0	42	542	396	21	0	0
19	63	104	104	21	0	0	0	0	0	42	0	21	83	292	125	83	63
20	42	146	83	63	21	0	42	21	0	0	21	21	0	146	271	125	0
21	104	21	0	0	0	0	0	0	0	0	0	0	0	63	229	583	0
22	167	0	0	0	0	0	0	0	0	0	0	0	0	0	42	792	0
23	0	0	0	0	0	0	0	0	0	0	0	0	271	542	188	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	333	500	167	0
25	0	0	0	0	0	0	0	0	0	0	0	0	229	83	313	375	0
26	188	0	0	0	0	0	0	0	0	0	0	0	42	396	208	167	0
27	125	63	63	63	104	0	0	0	0	0	0	0	63	125	250	125	21
28	21	0	229	42	208	21	0	0	0	0	21	0	42	104	42	146	125
29	0	0	0	0	0	0	0	0	0	0	61	82	143	429	82	204	0
30	0	0	21	0	0	0	0	0	42	83	83	63	271	271	104	63	0
31	0	0	0	0	0	0	0	0	0	0	21	574	234	64	106	0	0
월 Month	43	19	71	93	73	29	16	11	17	15	17	21	83	145	141	192	14

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1992년 8월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	16 31	월 Month
기압 평균 Ave. Station	992	1006	1011	1008	998	991	987	979	983	988	986	990	995	986	983	990	990
최고 Highest	988	993	987	981	982	985	980	988	976	988	991	993	991	979	996	1009	1012
압력 나타난 시간 Time (hPa)	993	996	991	984	992	994	984	990	983	992	993	996	995	987	1005	1011	2/3/4월
최저 Lowest Air Press.	2349	2359	0222	0433	0006	0126	0240	0017	2400	0452	2359	0834	1804	0002	0019	1721	971
나타난 시간 Time	2352	1057	0845	2350	2359	0242	1026	1158	0001	2240	2321	2045	0104	2359	2357	1721	971
기온 평균 Average	982	997	1010	1003	994	988	982	977	977	982	983	988	990	983	981	986	29일
최고 Highest	982	988	980	978	976	975	972	982	973	977	987	991	986	971	986	1005	29일
최저 Lowest	0005	0111	1428	2400	2357	2400	2322	0105	2116	0020	1419	0004	1354	1932	0002	0002	0002
평균최고 Ave. Maximum	-9.9	-7.4	-4.3	-2.6	-0.2	0.1	-2.9	-6.1	-10.0	-6.0	-2.4	-2.2	1.0	1.8	0.5	0.5	-4.2
평균최저 Ave. Minimum	-3.1	-1.2	-1.3	-0.4	-0.9	-1.1	-6.1	-8.7	-14.2	-14.2	-7.6	-2.9	-1.6	-5.4	-8.0	-2.2	-1.5
온도	-3.0	-5.7	-3.5	0.1	0.5	1.1	-1.5	-2.4	-8.4	-3.5	0.0	1.5	4.0	3.4	1.6	4.0	4.0
최고 Highest (°C)	-1.5	0.5	1.8	1.0	0.7	2.5	-0.8	-4.2	-8.5	-10.9	-3.7	-1.5	-0.9	-0.1	-3.5	-0.7	13일
나타난 시간 Time	0001	2120	1139	1916	2134	0828	0011	0204	1757	2222	1407	1256	2154	1315	0211	1126	1126
최저 Lowest Air Temp.	1142	2222	2015	0107	1019	1547	1435	0017	0052	1245	1418	1037	2230	0705	2148	1126	1126
나타난 시간 Time	-12.5	-9.5	-7.7	-5.7	-2.1	-1.5	-4.5	-11.5	-11.9	-11.7	-4.6	-7.3	-0.8	0.8	-1.7	-17.2	-17.2
평균습점온도 (°C)	-5.7	-4.1	-3.8	-1.8	-3.0	-6.3	-13.2	-11.9	-17.0	-17.2	-15.0	-7.9	-2.5	-12.1	-11.5	-6.4	25일
Average Dewpoint Temperature	0749	0055	0010	0746	0324	2400	0202	2230	2204	0002	0318	0849	1321	0817	2357	0026	0026
나타난 시간 Time	2021	0234	0738	0604	2031	2359	0548	2122	0930	0725	0034	0052	0059	1902	0015	0026	0026
평균습점온도 (°C)	-18.1	-14.5	-10.1	-8.3	-5.7	-5.4	-8.3	-11.7	-17.5	-12.8	-8.3	-8.0	-4.6	-4.2	-4.9	-10.3	-10.3
Average Dewpoint Temperature	-8.3	-6.9	-6.8	-5.8	-6.2	-7.0	-11.6	-14.5	-20.5	-20.3	-14.5	-9.8	-8.2	-12.3	-16.4	-8.4	-8.4

1992년 8월

요 소 Element	일 Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	1714	2139	1706	1823	1444	1850	2059	2246	1829	2251	2727	2831	2995	2280	2818			91865
	2676	2931	4507	2936	2787	2493	2691	3704	3119	4841	3702	3870	3563	3829	6279			4955
눈 Max. Depth Snow Cover	27.0	26.0	25.0	22.0	25.0	25.0	24.0	23.0	25.0	25.0	27.0	30.0	32.0	20.0	18.0			
	25.0	27.0	29.0	30.0	35.0	50.0	56.0	58.0	80.0	86.0	88.0	82.0	83.0	80.0	78.0			75.0
신적설 합 계 Total	1.0	-	-	-	3.0	0.0	-	-	2.0	0.0	2.0	3.0	3.0	-	0.0			93.0
눈 (cm)	7.0	2.0	2.0	2.0	5.0	15.0	7.0	2.0	25.0	8.0	3.0	-	1.0	0.0	-			0.0
최 심 Max. Depth 나타난 날 Date																		25.0 24일
기상 현상	맑음 Clear																	1
	개 일 Partly Cloudy	v		v					v				v		v			7
	흐 림 Cloudy		v	v		v	v	v	v	v	v	v	v	v	v			23
	눈 Snow	v	v	v		v	v	v	v	v	v	v	v	v	v			23
	비 Rain	v	v	v		v	v	v	v	v	v	v	v	v	v			1
	진눈깨비 Sleet																	2
Meteo. Phenom ena	안 개 Fog		v			v							v					4
	박 무 Mist	v		v		v						v	v	v	v			21
	유 빙 Drift Ice (Marian Cove/Maxwell Bay)	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1992년 8월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		83	0	83	0	125	42	21	0	21	21	21	42	63	208	146	125	0
2		0	63	229	104	104	42	0	42	42	42	42	0	21	21	42	125	83
3		0	0	0	0	0	0	0	0	0	0	0	0	83	396	292	229	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	40	720	200	40
5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	895	0
6		396	0	0	0	0	0	0	0	0	0	0	0	0	0	125	479	0
7		42	0	0	0	0	0	0	0	0	0	0	0	83	188	563	125	0
8		63	42	42	0	0	0	0	0	0	0	0	0	21	188	271	333	42
9		104	0	0	21	0	0	21	0	83	0	125	146	208	21	42	229	0
10		21	0	42	63	146	42	42	0	0	0	83	104	83	292	83	0	0
11		229	21	83	42	104	42	0	21	21	0	21	21	0	0	188	208	0
12		104	0	0	0	0	0	0	0	0	0	0	0	0	42	375	479	0
13		229	21	0	0	0	0	0	0	0	0	0	0	0	42	354	354	0
14		333	354	21	0	0	0	0	0	0	0	0	0	0	0	0	292	0
15		21	0	0	0	0	0	0	0	0	0	0	0	0	0	104	875	0
16		0	0	0	0	0	0	0	0	0	0	0	0	63	271	417	250	0
17		313	0	0	0	0	0	0	0	0	0	0	0	0	63	354	271	0
18		313	42	0	0	0	0	0	0	0	0	0	0	63	63	292	229	0
19		208	0	0	0	0	0	0	0	0	0	0	0	0	0	167	625	0
20		250	21	21	0	0	0	21	0	21	0	0	0	21	63	396	167	21
21		188	42	146	167	104	104	63	0	0	0	0	0	0	21	125	21	21
22		21	0	292	83	125	250	125	42	42	0	0	0	0	0	0	0	21
23		0	21	313	83	208	146	21	83	63	21	21	0	0	0	0	21	0
24		0	0	21	250	729	0	0	0	0	0	0	0	0	0	0	0	0
25		21	83	146	104	271	0	0	0	0	21	0	0	0	0	21	42	292
26		0	21	42	21	0	0	0	0	0	21	104	188	208	167	167	21	42
27		0	0	0	0	0	0	0	0	0	0	42	83	625	188	0	63	0
28		0	0	0	0	0	0	0	0	0	0	21	563	313	104	0	0	0
29		0	0	0	0	0	0	0	0	0	0	83	313	229	21	271	83	0
30		0	0	0	0	0	0	0	0	0	167	146	333	146	83	83	42	0
31		0	0	0	0	0	0	0	0	0	0	63	188	208	438	104	0	0
월	Month	95	24	48	30	62	22	10	6	9	9	19	42	87	87	209	225	18

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 8월

일	Date	북	N	북북동	NNE	북동	ENE	동	E	동남동	ESE	남동	SE	남남동	SSE	남	S	남남서	SSW	남서	SW	서남서	WSW	서	W	서북서	WNW	북북서	NNW
1		16.6	0.0	11.2	0.0	6.2	0.0	16.4	11.7	13.2	0.0	16.7	13.0	11.6	17.4	12.3	12.4	14.1	14.1										
2		0.0	2.3	4.5	6.2	0.0	0.0	6.0	5.7	0.0	8.1	15.3	7.3	7.4	0.0	2.2	6.0	7.1	6.8										
3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	10.2	8.8	8.3										
4		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	11.7	11.5										
5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	15.2										
6		13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	14.1										
7		6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	8.6	9.3	7.2										
8		3.5	2.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	6.2	9.1	8.6										
9		7.2	0.0	0.0	1.3	0.0	0.0	7.8	0.0	7.8	0.0	4.9	0.0	12.0	10.7	9.0	9.2	6.3	8.0										
10		5.3	0.0	7.2	6.7	12.5	10.1	7.4	0.0	7.4	0.0	3.2	0.0	3.5	4.7	0.0	0.0	8.5	14.3										
11		13.2	2.5	8.8	10.2	10.9	11.3	0.0	2.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	13.9										
12		18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	13.7										
13		15.2	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	13.7										
14		24.4	22.8	18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1										
15		11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	16.1										
16		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	9.4	9.7	8.8										
17		22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	11.9										
18		24.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	10.3	12.2	13.6										
19		18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	19.1										
20		15.7	8.3	2.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	4.8	0.0	0.0	0.0	5.0	7.7	11.4	14.6										
21		21.7	18.6	22.8	22.0	22.0	24.2	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	8.9										
22		9.8	0.0	15.4	13.7	25.5	21.9	17.0	4.8	5.7	0.0	5.7	0.0	4.2	2.2	0.0	0.0	0.0	5.2										
23		0.0	5.6	14.9	9.4	19.8	19.5	3.3	5.0	4.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0										
24		0.0	0.0	17.4	30.1	33.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0										
25		2.1	3.1	13.0	26.1	26.8	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	3.3	2.5										
26		0.0	3.6	2.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	20.8	18.0	16.6	15.3	8.4	7.3	5.6											
27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	19.3	22.1	17.9	0.0	16.5											
28		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	24.3	21.3	18.4	0.0											
29		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.3	23.9	23.5	17.6	24.4	24.2											
30		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	17.5	21.8	12.9	8.1	5.9	6.8											
31		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	12.7	15.3	15.5	15.3											
월	Month	24.4	22.8	22.8	30.1	33.1	24.2	17.0	8.1	16.7	20.8	23.3	23.9	24.3	21.3	24.4	24.2												

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1992년 9월

요소 Element	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	31	Month	월
기압 평균 Ave. Station	994	983	976	961	963	973	1000	1001	1001	1001	991	1002	996	978	976	988		987	987
최고 Highest	1007	984	982	967	970	989	1007	1006	1006	998	996	998	997	993	998	1000		1007	1007
나타난 시간 Time (hPa)	0010	0006	0018	0010	0603	2357	2205	0003	0351	1756	1733	0003	0002	2400	2400	1437		1/7일	1/7일
최저 Lowest Air Press.	0154	2358	1835	0007	0054	0001	2400	2354	2030	0046	2122	0035	0001	2343	0844			952	952
나타난 시간 Time	2344	0618	2400	1559	1615	0004	0004	1035	2352	0315	0003	2358	2400	0210	0006			5일	5일
기온 평균 Average	2013	0015	0015	2359	2400	1008	0238	0022	0010	1837	0010	2359	1526	0036	2400			-2.1	-2.1
평균 최고 Ave. Maximum	0.2	-0.4	1.6	-1.5	-3.6	-5.6	-5.2	-0.6	0.1	-1.1	0.1	0.6	-0.8	-4.1	-4.2			-0.2	-0.2
평균 최저 Ave. Minimum	-1.5	-1.7	-0.8	-0.1	-0.1	-0.5	-4.4	-5.6	-5.0	-3.5	-4.4	-3.9	-2.2	-2.6	-2.0			-4.2	-4.2
온도	1.3	1.0	3.6	0.9	-0.6	-3.8	-1.4	1.8	0.9	0.7	1.3	1.5	0.2	-1.9	-0.5			3.6	3.6
최고 Highest (°C)	-0.6	0.0	0.0	0.7	1.0	0.8	-1.2	-3.2	-0.8	-2.5	0.2	-3.1	-0.2	-0.7	1.0			3일	3일
나타난 시간 Time	1759	2332	1040	0001	1637	1249	1123	0906	1707	0220	1157	1616	1448	0309	1350				
최저 Lowest Air Temp.	1841	1300	1400	1040	1441	0838	0157	0904	1250	1138	1334	1340	1303	1259	1217			-9.2	-9.2
나타난 시간 Time	-2.1	-2.1	0.5	-6.3	-6.2	-8.5	-9.2	-6.2	-1.0	-3.6	-1.7	-0.6	-1.9	-6.8	-6.7			7일	7일
평균추진온도(°C)	0002	1735	0415	2318	0002	2044	0059	0025	0001	1822	0415	2400	2400	0614	0419				
Average Dewpoint Temperature	0427	0713	0507	1906	2052	2258	2139	2359	0128	2359	0225	0325	0142	2242	0340			-8.6	-8.6
평균추진온도(°C)	-4.8	-5.5	-4.0	-6.8	-10.2	-13.5	-12.6	-6.3	-5.7	-7.8	-5.5	-4.6	-6.0	-11.1	-12.2			-8.6	-8.6
Average Dewpoint Temperature	-7.3	-8.4	-7.4	-6.6	-5.9	-6.8	-10.4	-13.6	-12.7	-11.3	-12.7	-10.7	-9.3	-10.3	-8.2				

1992년 9월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.4	0.2	1.0	0.4	0.4	0.0	-	0.0	-	-	-	0.4	0.2	0.0	-	4.0	
Total Precipitation	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	-	-	-	-	-	-	0.6	
상대 습도	92.	92.	94.	94.	91.	88.	90.	93.	93.	93.	93.	92.	93.	92.	89.	91.	
최소	93.	92.	93.	93.	94.	92.	93.	85.	89.	90.	85.	93.	91.	89.	93.	93.	
도	91.	91.	91.	87.	81.	73.	80.	89.	91.	91.	91.	91.	91.	86.	78.	64.	
(1%) 나타난 시간 Time	86.	82.	92.	88.	88.	86.	90.	70.	71.	84.	64.	90.	85.	81.	87.	26일	
R.H.	2359	1035	1201	2357	0122	1323	1139	0002	1039	0332	2253	1010	0431	2214	2003		
	1507	0555	0447	0519	1500	0533	2358	1730	1333	0748	1342	1157	2333	1500	1226		
평 균 24 hour ave.	14.1	10.4	10.7	5.0	13.9	7.5	3.2	9.2	12.5	10.2	10.9	15.4	8.0	7.7	7.7	8.8	
합성 풍 향 Direction	NNW	NNW	N	S	WNW	WSW	NNW	NNW	NNW	NW	NW	NNW	NNW	W	WNW	NNW	
순 간 최 대 Greatest Gust	NNW	WNW	WNW	N	NNE	NNE	E	E	ENE	WSW	NE	NW	E	E	NNE	34.1	
(m/s) 풍 향 Direction	23.3	23.0	20.5	20.2	32.4	21.7	9.3	31.9	34.1	26.7	20.0	26.6	15.3	16.0	19.2	9일	
Wind 나타난 시간 Time	25.3	21.2	15.7	29.8	24.8	17.5	20.0	14.9	9.1	14.2	12.7	14.6	11.5	9.6	9.7	N	
	NNW	NNW	N	WSW	NNE	W	W	N	N	N	NNW	N	N	SW	NNE		
	N	W	W	N	N	NNW	E	E	WNW	W	ENE	NW	NW	E	NNW		
구름(1/8)	2022	0149	2024	2102	1353	0904	0516	0930	1855	0011	2209	1616	1355	1149	2124		
Average Amount of Cloud	1839	0523	0810	2215	0031	1722	2038	0139	2341	1140	0237	0837	0015	0053	2222		
평균(1/8)	8.0	8.0	8.0	8.0	7.0	3.0	0.4	7.0	7.0	4.0	8.0	8.0	7.0	7.0	3.0	6.3	
Average Amount of Cloud	7.0	5.0	7.0	7.0	7.0	7.0	7.0	6.0	4.0	7.0	5.0	7.0	7.0	7.0	7.0		

폭풍설 시작 시간 Start Time	1030
Blizzard	1630
종료 시간 End Time	0600
계속 시간 Duration of Blizzard	0600

1992년 9월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	2802	3728	5329	3214	4256	6437	8670	3751	4696	8500	5407	2758	4257	4677	9519	185840
	6465	6092	5905	5559	7413	5677	6735	10343	11796	4391	11875	4728	5458	7421	7981	
눈 Max. Depth Snow Cover	80.0	85.0	65.0	70.0	80.0	83.0	78.0	80.0	70.0	68.0	60.0	65.0	68.0	66.0	60.0	
	62.0	63.0	66.0	67.0	68.0	70.0	72.0	74.0	78.0	75.0	70.0	65.0	60.0	58.0	55.0	
신적설 합 계 Total	5.0	5.0	-	6.0	10.0	4.0	-	3.0	-	-	-	5.0	4.0	0.0	-	61.0
눈 (cm)	2.0	2.0	-	2.0	1.0	2.0	2.0	3.0	5.0	-	-	-	-	-	0.0	10.0
최 심 Max. Depth Fall Date																5일
기상 현상	맑음 Clear															1
	개	개	개	개	개	개	개	개	개	개	개	개	개	개	개	7
	흐	흐	흐	흐	흐	흐	흐	흐	흐	흐	흐	흐	흐	흐	흐	22
	눈	눈	눈	눈	눈	눈	눈	눈	눈	눈	눈	눈	눈	눈	눈	18
	비	비	비	비	비	비	비	비	비	비	비	비	비	비	비	2
	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	진눈깨비 Sleet	1
Meteo. Phenomena	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	안개 Fog	1
	박	박	박	박	박	박	박	박	박	박	박	박	박	박	박	9
	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	유빙 Drift Ice (Marian Cove/Maxwell Bay)	

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1952년 9월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
1		19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.3	
2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	23.0
3		20.5	18.0	0.0	9.9	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7
4		0.0	0.0	0.0	0.0	7.7	4.6	5.8	8.3	4.7	5.3	19.4	20.2	0.0	10.8	5.2	0.0	0.0	0.0
5		31.1	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	16.3	13.2	21.7	22.9	14.0	14.0	20.2
6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	8.7	6.5	3.9
7		4.7	0.0	5.7	4.9	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	6.6
8		31.9	25.7	0.0	0.0	0.0	0.0	0.0	4.3	4.1	9.7	0.0	13.6	12.9	9.5	10.3	14.8	0.0	0.0
9		34.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	15.7	17.4	0.0
10		26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	14.2	17.4	18.1	25.2	0.0	0.0
11		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.3	19.9	20.0	0.0
12		26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	25.2	0.0	0.0
13		15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	14.4	0.0
14		0.0	0.0	6.4	10.1	15.8	0.0	0.0	0.0	0.0	0.0	16.0	15.7	8.8	9.9	13.3	13.6	0.0	0.0
15		0.0	19.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	15.3	12.4	5.7	6.0	6.1	0.0	0.0
16		25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	15.9	13.4	17.4	0.0	0.0
17		19.5	18.1	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	21.2	16.1	13.5	14.9	0.0	0.0
18		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	15.7	14.2	11.1	11.0	0.0	0.0
19		29.8	28.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
20		24.8	19.5	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21		17.5	15.7	14.0	12.3	13.1	6.2	0.0	0.0	4.4	0.0	0.0	0.0	3.8	5.5	5.2	17.5	0.0	0.0
22		0.0	0.0	0.0	0.0	20.0	16.2	9.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23		0.0	0.0	0.0	10.6	14.9	9.4	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24		0.0	3.1	5.6	4.6	6.7	6.6	0.0	0.0	0.0	0.0	0.0	6.8	3.7	9.1	6.4	3.5	0.0	0.0
25		0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.9	6.4	11.5	12.1	14.2	13.4	0.0	0.0	0.0	0.0
26		4.2	0.0	4.8	12.7	11.9	8.8	4.3	2.6	0.0	0.0	0.0	0.0	0.0	9.3	10.2	10.4	5.2	0.0
27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	14.6	12.6	0.0
28		4.9	5.0	0.0	8.7	8.6	5.0	6.0	3.1	1.6	2.7	3.5	3.4	0.0	3.1	11.5	10.7	0.0	0.0
29		4.0	5.9	5.6	3.9	9.6	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30		8.2	0.0	8.6	2.2	2.8	4.5	2.5	0.0	1.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7
월	Month	34.1	32.4	14.0	12.7	20.0	16.2	9.4	8.3	4.9	9.9	19.4	21.7	22.9	18.3	19.9	25.2		

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1992년 9월

요소 일	Element Date	N	NNE	북북동	북동	ENE	E	동남동	동남	ESE	SE	남남동	남남	SSE	S	남남서	SSW	남서	SW	서남서	WSW	서	서북서	북서	NNW	북북서	WNW	북북서	북서	NNW	북북서	북서	CLM				
1		21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	979	0				
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	354	646	0			
3		646	167	0	0	21	0	0	0	21	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	146	0	0			
4		163	143	0	0	0	146	21	125	125	125	125	42	63	188	0	42	61	61	21	21	42	21	61	82	0	0	0	0	0	0	104	0	0			
5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	271	333	21	21	104	125	188	0	0	0	0	0	0	0	0	0	0			
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7		125	0	271	42	0	21	0	0	0	0	42	21	21	0	0	42	188	21	42	146	125	188	42	0	0	0	0	0	0	0	0	0	0	0		
8		229	208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9		375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10		42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	146	208	271	292	0	0	0	0	0	0	0	0	0	0	0	0	0		
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12		83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13		396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
14		0	0	21	63	63	0	0	0	0	0	0	0	125	458	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63		
15		0	208	42	0	0	0	0	0	0	0	0	0	63	354	146	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
16		333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17		42	63	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19		417	563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20		396	479	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21		167	125	83	167	42	21	42	21	42	21	42	21	42	21	42	21	42	21	42	21	42	21	42	21	42	21	42	21	42	21	42	21	42	21	42	
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23		0	0	0	0	0	750	167	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
24		0	0	0	0	0	104	563	271	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		21	0	0	0	0	21	104	271	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28		21	42	0	188	21	63	146	63	21	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
29		21	21	125	83	563	167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		125	0	104	42	63	21	21	0	42	21	0	42	21	0	42	21	0	42	21	0	42	21	0	42	21	0	42	21	0	42	21	0	42	21	0	42
월	Month	121	68	33	29	90	31	15	12	8	7	24	77	72	78	135	184	17																			

89251 남극세종과학기지(KARP)

1992년 10월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	일 Month
기압 평균 Ave. Station	990	977	987	989	986	1002	1016	1019	1013	993	983	984	978	974	973		984
기최 고 Highest	976	990	1000	984	978	968	981	983	976	967	969	974	972	981	987		982
기압 나타난 시간 Time (hPa)	999	981	991	991	995	1010	1019	1020	1018	1002	985	986	982	976	975		1020
기압 최 저 Lowest	0119	2358	2042	1841	2358	2355	2400	1238	0030	0006	0008	0941	0004	0013	1709		8일
기압 나타난 시간 Time	2400	2359	0827	0007	1219	0006	2322	0225	0002	0016	2256	0745	2359	2344	0437		0001
기압 최 저 Lowest	975	974	981	987	977	995	1010	1018	1001	985	982	982	976	972	965		962
기압 나타난 시간 Time	962	986	990	977	971	966	968	979	971	964	965	972	971	973	984		981
기압 나타난 시간 Time	2320	1313	0004	0625	0709	0011	0011	2359	2359	2400	2221	2350	2400	2350	2400		16일
기압 나타난 시간 Time	0322	0007	2333	2400	2351	1752	0034	2329	2358	2014	0034	2400	1515	0003	2359		2357
기온 평균 Average	-1.5	-6.7	-5.8	-7.0	-8.0	-6.9	-7.1	-3.8	-2.1	0.6	0.2	-0.9	-1.0	-0.7	-1.1		-2.5
기온 평균 최 고 Ave. Maximum	-0.4	0.4	1.9	1.7	0.0	-0.2	-4.1	-0.2	-1.3	-2.6	-4.8	-5.2	-5.1	-1.6	-3.0		-2.0
기온 평균 최 저 Ave. Minimum																	0.0
기온 최 고 Highest	1.1	-5.0	-3.2	-4.1	-3.7	-4.4	-2.9	-3.0	0.0	2.7	3.6	1.8	3.2	4.4	1.1		4.9
기온 나타난 시간 Time	1.5	1.3	4.9	3.8	2.3	1.4	-2.0	1.8	1.0	-0.3	-2.6	-3.3	-3.5	1.6	-1.6		1.2
기온 나타난 시간 Time	1049	0001	2137	2349	0207	0928	1206	1005	1122	1152	0941	1137	1154	1315	1157		18일
기온 나타난 시간 Time	1330	1659	1928	0001	2012	0009	2036	1350	0026	0803	1301	0949	2341	1317	1237		1334
기온 나타난 시간 Time	-5.1	-7.8	-8.0	-9.1	-11.6	-11.1	-12.0	-5.0	-4.4	-1.4	-2.3	-3.0	-4.2	-5.1	-2.2		-12.0
기온 나타난 시간 Time	-4.4	-0.6	-1.0	-0.1	-2.1	-5.4	-7.5	-3.1	-2.6	-6.0	-6.0	-6.8	-7.1	-4.7	-4.1		-3.7
기온 나타난 시간 Time	2400	2137	0244	1233	2036	2400	0252	0129	0244	0044	0453	0532	0457	0415	0542		7일
기온 나타난 시간 Time	0841	0311	0511	1919	0649	2400	0325	0152	1903	2339	0413	2355	0521	0520	0347		0111
평균습점온도(°C)	-7.4	-12.3	-11.9	-13.2	-14.0	-14.2	-15.2	-11.7	-9.3	-5.0	-5.5	-6.4	-7.1	-8.5	-7.4		-9.0
Average Dewpoint Temperature	-6.4	-5.0	-5.1	-3.6	-5.7	-5.4	-9.9	-7.3	-7.9	-8.5	-10.7	-11.8	-12.5	-9.8	-11.5		-10.1

1992년 10월

요소 Element	일 Date																															월 Month			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
강수량(mm) Total Precipitation	0.2	1.0	0.2	0.2	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	2.6	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2		
상대 습도 Average Lowest	93.	93.	93.	93.	93.	93.	88.	90.	93.	94.	94.	94.	92.	87.	93.	94.	93.	93.	86.	87.	87.	86.	83.	83.	89.	89.	93.	82.	67.	82.	87.	86.	87.	92.	
나타난 시간 Time R.H.	1113	0659	1917	2034	2359	0020	1213	0124	1318	1800	1125	1049	1232	1316	2107	1345	2226	1949	0001	1548	0940	1050	1857	0829	2057	1716	1338	1206	1411	1201	1345				
바 평균 24 hour ave.	8.9	17.0	10.5	10.4	12.0	6.0	3.0	6.1	12.1	13.7	5.8	4.3	2.3	2.6	5.5	8.2	7.0	11.5	8.5	8.1	9.5	13.0	7.4	7.9	11.6	11.1	9.1	7.8	5.2	4.0	5.5	5.5	8.2		
합성 풍향 Direction	E	E	ENE	ENE	E	NNE	ESE	WNW	N	N	NNW	NW	E	ENE	NW	E	NNW	NW	NNE	NW	E	ENE	ENE	E	E	ENE	NW	W	NE	E	E	E			
람 순간 최대 Greatest Gust	31.3	30.9	19.5	21.3	28.2	13.1	11.3	12.5	27.0	29.7	21.3	10.2	6.5	8.7	17.3	31.3	14.4	21.0	22.6	21.4	21.8	22.9	23.5	18.1	24.0	19.9	17.9	12.9	12.2	11.0	12.2	15.4	1일		
(m/s) 풍향 Direction	E	ESE	ENE	E	ENE	NE	ENE	NW	NNE	NNE	N	NNW	SE	NNE	N	E	ENE	NW	N	N	E	ENE	NE	NE	E	ESE	E	E	N	WSW	E	E			
Wind 나타난 시간 Time	2229	0005	0034	0526	0704	2122	0125	2052	2153	0303	1158	1259	1631	1901	2059	0104	2058	2136	0429	1937	2223	0226	1920	0902	1202	0605	0351	0521	0137	0618	1931				
구름(1/8) Average Amount of Cloud	8.0	8.0	8.0	8.0	7.0	7.0	5.0	7.0	6.0	7.0	7.0	5.0	3.0	2.0	7.0	6.8	5.0	8.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	6.8		
폭풍설 시작 시간 Start Time																																			
Blizzard 끝난 시간 End Time																																			
계속 시간 Duration of Blizzard																																			
																																			0530

1992년 10월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	6730 11071	5417 4401	5233 11066	6405 6568	7162 8639	6051 7351	11615 10747	8901 8643	12136 9314	11551 10437	11859 12425	15531 13370	19174 13416	19849 18614	10474 9191	12445	325776
적 설 최 심 Max. Depth Snow Cover	65.0 78.0	90.0 66.0	96.0 60.0	105.0 52.0	110.0 48.0	110.0 55.0	106.0 52.0	98.0 56.0	80.0 60.0	76.0 64.0	80.0 68.0	85.0 70.0	80.0 74.0	75.0 72.0	76.0 72.0	70.0	70.0
신적설 합 계 Total	10.0	28.0	7.0	10.0	10.0	0.0	-	-	-	0.0	5.0	5.0	-	-	1.0	111.0	111.0
Snow Fall Max. Depth 나타난 날 Date	2.0	-	-	-	-	8.0	-	5.0	5.0	4.0	5.0	2.0	4.0	-	0.0	-	28.0 2일
맑 음 Clear																	1
개 임 Partly Cloudy																	8
흐 름 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	22
눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	19
비 Rain	v																5
진 눈 개 비 Sleet		v	v	v	v	v											0
안 개 Fog																	0
박 무 Mist																	10
유 빙 Drift Ice (Marian Cove/Maxwell Bay)	v	v	v	v	v	v		v			v	v		v			10

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 10월

일 Date	요소 Element	북		북북동		북동		동		동남동		남		남남서		남서		서		서북서		북북서	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	W	WNW	NW	NNW				
1		0.0	0.0	1.9	17.3	31.3	30.5	6.0	4.5	3.5	0.0	2.3	1.4	1.4	0.0	3.3	2.6						
2		0.0	0.0	0.0	20.9	25.9	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
3		0.0	0.0	14.3	19.5	18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
4		12.5	12.7	8.6	18.4	21.3	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	7.8						
5		0.0	12.1	19.8	28.2	24.4	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
6		9.9	3.3	13.1	10.6	10.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	10.2						
7		0.0	0.0	0.0	11.3	7.1	7.5	5.2	8.3	8.3	6.6	5.9	0.0	0.0	0.0	0.0	0.0						
8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	9.8	10.4	12.5	0.0						
9		26.7	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	14.1						
10		29.1	29.7	0.0	0.0	4.3	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	20.4						
11		21.3	0.0	0.0	0.0	0.0	0.0	6.1	5.1	4.3	4.7	0.0	0.0	0.0	6.9	9.7	6.3	14.1					
12		4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	6.4	8.0	10.2						
13		4.5	5.1	0.0	4.2	5.6	6.0	6.5	5.9	0.0	0.0	0.0	0.0	0.0	4.7	5.9	4.5						
14		7.2	8.7	6.2	7.2	2.7	6.0	3.7	5.4	6.0	2.4	3.5	0.0	4.3	4.5	5.7	7.8						
15		17.3	16.5	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	7.7	7.8	6.8					
16		9.0	11.2	14.4	0.0	0.0	9.9	13.5	9.6	0.0	0.0	0.0	11.1	13.5	13.7	10.3	12.3						
17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	15.5	13.3	10.2						
18		22.6	19.6	0.0	0.0	0.0	9.1	0.0	8.3	0.0	4.7	0.0	0.0	6.5	0.0	0.0	19.7						
19		21.4	19.1	0.0	0.0	7.4	11.1	0.0	4.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	17.9						
20		21.8	20.0	18.1	10.2	19.8	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
21		20.2	0.0	0.0	0.0	22.9	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
22		5.0	0.0	10.0	12.3	23.5	18.3	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	8.8	10.0						
23		0.0	11.7	18.1	17.5	11.5	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
24		0.0	0.0	18.4	24.0	19.1	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
25		0.0	14.3	14.8	18.7	19.9	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
26		0.0	0.0	0.0	14.6	15.0	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
27		0.0	0.0	0.0	10.3	12.9	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
28		10.7	8.9	9.3	10.2	12.2	2.0	2.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
29		11.0	4.4	3.3	3.2	0.0	0.0	0.0	0.0	0.0	5.3	5.1	8.2	10.9	3.9	6.9	6.4						
30		4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	12.2	12.0	12.2	3.6	4.4						
31		4.4	10.3	8.0	15.2	15.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
월	Month	29.1	29.7	19.8	28.2	31.3	30.9	9.6	8.3	8.3	6.6	11.4	12.2	19.6	18.8	21.0	20.4						

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1992년 10월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	경은 CLM
1	0	0	0	21	63	417	167	21	83	42	0	21	21	0	21	63	42
2	0	0	0	0	83	771	146	0	0	0	0	0	0	0	0	0	0
3	0	0	0	313	188	500	0	0	0	0	0	0	0	0	0	0	0
4	125	21	21	83	458	188	0	0	0	0	0	0	0	0	42	63	0
5	0	83	125	250	354	188	0	0	0	0	0	0	0	0	0	0	0
6	146	21	396	104	63	21	0	0	0	0	0	0	0	0	42	208	0
7	0	0	0	0	128	234	213	64	170	85	64	43	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	271	188	250	292	0	0
9	500	229	0	0	0	0	0	0	0	0	0	0	0	104	167	0	0
10	604	250	0	0	21	0	0	0	0	0	42	0	0	0	0	83	0
11	354	0	0	0	0	0	0	63	21	63	21	0	42	21	167	250	0
12	42	0	0	0	0	0	0	0	0	0	0	0	42	104	458	354	0
13	42	104	0	0	21	125	167	146	167	0	0	0	0	21	125	42	42
14	104	104	229	63	21	42	21	42	42	42	21	21	0	21	63	146	0
15	104	83	42	0	0	0	0	0	0	0	0	0	42	396	313	21	0
16	21	83	83	0	21	83	21	0	0	0	0	21	104	146	229	188	0
17	0	0	0	0	0	0	0	0	0	0	0	0	21	104	229	646	0
18	292	208	0	0	0	0	21	0	21	0	21	0	0	83	188	125	42
19	354	125	0	0	21	167	125	0	63	104	21	0	21	0	0	104	21
20	167	63	313	42	250	125	0	0	0	0	0	0	0	0	0	42	0
21	854	0	0	0	125	21	0	0	0	0	0	0	0	0	0	0	0
22	63	0	104	146	229	125	0	0	0	0	21	0	0	0	63	250	0
23	0	21	625	229	42	83	0	0	0	0	0	0	0	0	0	0	0
24	0	0	104	479	375	42	0	0	0	0	0	0	0	0	0	0	0
25	0	21	83	208	479	208	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	208	354	438	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	167	792	42	0	0	0	0	0	0	0	0	0	0
28	63	42	375	125	313	21	21	21	0	0	0	0	0	0	0	0	0
29	271	21	21	21	0	0	0	0	42	21	125	125	42	167	146	0	21
30	63	0	0	0	0	0	0	0	0	188	479	146	21	63	21	21	0
31	21	83	438	271	167	21	0	0	0	0	0	0	0	0	0	0	0
일 Month	135	50	106	93	198	81	11	19	11	7	11	30	25	40	83	94	6

89251 남극 세종과학기지(KARP)

1992년 11월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 31 Month
기압 평균 Ave. Station	981	985	996	986	976	975	987	988	988	1001	1009	1009	1000	992	997	993
최고 Highest	1004	994	993	991	993	1005	1001	998	987	993	992	985	990	993	1004	
압력 나타낸 시간 Time (hPa)	981	993	998	993	983	985	988	989	995	1007	1011	1011	1004	996	1002	1011
최저 Lowest	1006	1000	994	995	999	1007	1006	1001	995	997	996	987	992	999	1007	11/
Air Press.	0001	2359	1616	0003	0007	2355	1153	1910	2359	2359	2108	0457	0020	0014	2345	12월
기온 평균 Average	0847	0005	1446	1549	2358	2049	0004	0642	0446	1612	0730	2359	1545	2327	2339	
최고 Highest	980	980	993	983	967	965	984	987	985	994	1007	1004	995	990	999	965
최저 Lowest	1000	992	989	986	990	999	998	993	978	982	985	984	987	988	993	965
나타낸 시간 Time	2236	0124	2359	2400	2356	0311	0003	0237	1241	0004	0124	2400	2358	1508	0017	6일
기온 평균 Average	2400	1448	2348	0349	1440	0013	1857	2131	2059	0013	2348	1059	0013	0049	0010	
평균 최고 Ave. Maximum	-2.3	-1.5	-1.3	-0.4	0.0	-2.7	-3.7	-3.9	-2.4	0.7	0.3	-0.1	1.9	1.7	0.2	-0.1
평균 최저 Ave. Minimum	0.7	0.9	0.2	1.1	0.5	0.5	0.8	0.2	0.4	0.6	1.1	0.7	0.3	0.7	1.1	1.6
온도																-1.4
최고 Highest (°C)	0.4	1.1	0.9	0.5	0.9	0.3	-1.8	-2.6	-0.2	5.2	2.0	0.8	4.4	3.6	1.3	5.2
나타낸 시간 Time	2.6	2.8	3.8	3.3	2.0	2.5	1.7	1.3	1.4	1.6	1.8	1.8	2.0	1.9	2.6	10일
최저 Lowest	1158	1704	0958	1540	0730	0103	1235	1058	1410	1217	1209	2313	1844	1207	0735	
Air Temp.	1506	0544	2338	0002	1825	1134	0905	1422	1401	1222	1414	1543	2104	1549	1605	
나타낸 시간 Time	-3.3	-3.3	-2.3	-1.8	-1.2	-4.5	-4.8	-4.8	-4.4	-2.0	-1.1	-1.1	-0.4	0.1	-1.4	-4.8
평균습점온도 (°C)	-0.9	-1.4	-1.5	0.4	-0.2	-0.8	-0.2	-0.7	-0.7	-0.2	0.5	-0.4	-0.8	0.0	0.0	7/
Average Dewpoint Temperature	0339	0523	2125	0137	0145	2400	0231	0329	0342	0439	0225	2059	0326	2400	0140	8일
	0707	2357	0151	0552	0351	0124	2243	0346	0451	1843	0658	2113	1855	2328	0018	
평균습점온도 (°C)	-10.2	-8.7	-9.1	-6.1	-5.4	-10.4	-13.2	-13.2	-10.5	-6.7	-7.2	-7.1	-4.2	-3.6	-4.7	-6.4
Average Dewpoint Temperature	-4.2	-3.9	-5.3	-4.4	-4.8	-5.4	-4.3	-5.7	-5.4	-5.6	-3.8	-4.0	-4.9	-4.8	-3.8	

1992년 11월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.0	0.2	-	1.0	0.4	0.2	-	0.0	0.0	-	-	0.0	0.0	-	-	4.0	
Total Precipitation	0.0	2.0	0.2	-	-	-	0.0	0.0	-	-	0.0	-	-	-	-	0.0	
평 균 Average	89.	91.	89.	93.	93.	89.	81.	82.	89.	89.	90.	93.	94.	93.	92.	92.	
대 습 소 Lowest	92.	92.	93.	93.	93.	93.	92.	93.	93.	93.	92.	92.	92.	93.	93.	92.	
도 (1*)	76.	83.	77.	91.	92.	82.	66.	69.	81.	74.	79.	83.	87.	92.	91.	66.	
R.H.	91.	91.	91.	91.	91.	87.	91.	91.	92.	91.	91.	91.	91.	91.	91.	91.	7일
나타난 시간 Time	1200	1725	1616	0731	2349	2041	1013	0600	2324	1217	1334	0735	1244	0543	2359		
	0750	2341	0447	2344	0509	0806	2247	0429	2047	1255	2113	0441	0808	0554	0847		
평 균 24 hour ave.	8.2	5.3	6.4	10.9	9.2	12.7	6.7	7.0	6.1	3.6	8.0	8.5	8.7	9.7	8.4	8.1	
바 합성 풍 향 Direction	8.9	10.9	6.8	9.7	6.8	4.9	8.1	7.2	11.4	9.8	10.3	8.2	7.7	6.7	5.7	WINW	
람 순 간 최대 Greatest Gust	ENE	ENE	WNW	NW	NW	WSW	WSW	WSW	WSW	W	W	NW	NW	NW	NW	NW	
(m/s) 풍 향 Direction	NW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	W	W	NW	NW	NNW	NNW	NNW	
Wind 나타난 시간 Time	19.5	13.1	15.9	27.0	15.2	25.6	14.7	13.3	14.4	13.9	13.9	15.0	16.6	18.4	15.0	27.0	
	17.9	22.7	16.8	17.7	15.4	14.3	15.0	14.1	22.2	22.5	18.4	16.4	14.4	15.2	11.2	4일	
	NE	E	NNW	N	NNW	W	SW	WSW	WSW	W	W	W	N	N	NNW	N	
	NNW	N	NNW	NNW	NNW	SW	NNW	NNW	W	SW	NNW	NW	NNW	NNW	NNW	NNW	
구름(1/8)	0431	0411	2353	0248	0838	0655	0001	2032	0048	2204	1346	0254	1948	0217	0902		
Average Amount of Cloud	1624	0532	2212	1939	0748	0204	1253	2109	1407	0053	1132	0007	2216	1936	1451		
폭풍설 시작 시간 Start Time	8.0	7.0	5.0	8.0	8.0	6.0	6.0	8.0	7.0	1.0	1.0	7.0	8.0	8.0	8.0	6.8	
Blizzard	8.0	8.0	6.0	7.0	8.0	5.0	8.0	6.0	8.0	8.0	8.0	8.0	6.0	6.0	6.0	8.0	
계속 시간 Duration of Blizzard																	

현상없음(NO OCCURRENCE)

1992년 11월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	14606	14710	16810	9417	6996	10422	14935	10125	11917	22502	24927	13408	10400	6853	10746	403979
	9867	6544	18512	13373	10499	21401	9070	22182	14478	13517	8087	13984	19983	11025	12683	
격 설 최 심 Max. Depth Snow Cover	74.0	76.0	70.0	60.0	54.0	58.0	55.0	52.0	50.0	45.0	44.0	44.0	42.0	42.0	40.0	10.0
신적설 합 계 Total	4.0	2.0	-	-	0.0	4.0	-	-	-	-	-	-	-	-	-	4.0
Snow Fall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/6일
최 심 Max. Depth 나타난 날 Date																2
맑 을 Clear										v	v					8
개 임 Partly Cloudy			v			v	v	v				v	v	v	v	20
흐 립 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	4
눈 Snow	v	v	v													9
비 Rain				v									v			1
진 눈 개 비 Sleet																11
안 개 Fog																18
박 무 Mist	v	v														
유 빙 Drift Ice (Marian Cove/Maxwell Bay)	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 11월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW
1	0.0	0.0	19.5	16.9	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	3.0	4.2	12.6	13.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	2.9
3	4.7	0.0	3.0	0.0	0.0	0.0	0.0	5.1	5.4	10.2	10.7	11.6	12.8	15.9		
4	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	11.9	19.5	
5	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	14.1	15.2	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	21.5	25.6	19.4	18.4	0.0		
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	14.5	8.3	4.8	0.0	0.0		
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	13.3	10.4	0.0	0.0	0.0		
9	5.8	4.0	0.0	4.6	0.0	0.0	10.1	11.3	11.6	11.0	14.4	11.9	7.6	7.5	0.0	
10	0.0	0.0	0.0	3.0	0.0	4.4	0.0	4.9	10.1	5.7	7.9	9.3	13.9	7.0	8.1	9.9
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	13.9	12.2	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	13.9	13.3	14.6
13	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	15.8
14	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	15.8
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	15.0	15.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	12.1	17.9
17	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	20.4
18	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	11.4	16.8
19	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	14.8	17.5	17.7
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	9.5	8.2	15.4	13.3	8.2		
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	10.8	8.8	5.9	9.1	7.7		
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	13.5	15.0		
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	3.5	12.6	13.5	14.1	12.8	6.4		
24	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	19.8	22.2	21.2	14.8	13.1		
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	22.5	18.3	14.8	16.5	0.0		
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	14.2	16.6	18.4	
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	12.5	16.4	15.6	
28	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	12.2	12.5	14.4	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	15.2	10.6	11.1	
30	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	11.2	
월 Month	27.0	4.0	19.5	16.9	13.1	9.0	0.0	10.1	11.3	15.9	22.5	21.5	25.6	21.2	18.4	20.4

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1992년 11월

요소 일 Date	북 N	북북동 NNE	북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM	
1	0	0	43	574	383	0	0	0	0	0	0	0	0	0	0	
2	0	42	83	313	375	125	0	0	0	0	0	21	21	21	0	
3	21	0	42	0	0	0	0	42	83	83	188	188	188	125	42	
4	167	0	0	0	0	0	0	0	0	0	0	292	271	271	0	
5	42	0	0	0	0	0	0	0	21	708	125	42	104	0	0	
6	0	0	0	0	0	0	0	0	271	646	63	21	0	0	0	
7	0	0	0	0	0	0	0	0	229	729	42	0	0	0	0	
8	0	0	0	0	0	0	0	0	333	83	21	21	0	0	0	
9	42	21	63	0	0	104	83	104	125	167	188	104	188	125	0	
10	0	0	0	0	0	42	42	42	63	170	553	277	0	0	0	
11	0	0	0	0	0	0	0	0	0	188	271	438	104	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	21	771	0	0	
13	208	0	0	0	0	0	0	0	0	0	0	63	354	0	0	
14	583	0	0	0	0	0	0	0	0	0	0	146	708	146	0	
15	0	0	0	0	0	0	0	0	0	0	0	104	271	625	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	313	563	0	
17	125	0	0	0	0	0	0	0	0	0	0	21	625	292	0	
18	63	0	0	0	0	0	0	0	0	104	229	250	313	0	0	
19	104	0	0	0	0	0	0	0	146	83	125	375	250	21	0	
20	0	0	0	0	0	0	0	0	42	83	125	146	458	146	0	
21	0	0	0	0	0	0	0	0	0	0	0	63	604	333	0	
22	0	0	0	0	0	0	0	0	42	21	188	333	375	21	0	
23	0	0	0	0	0	0	0	0	21	104	396	208	188	63	0	
24	21	0	0	0	0	0	0	21	125	208	271	104	271	0	0	
25	0	0	0	0	0	0	0	0	0	83	63	438	417	0	0	
26	0	0	0	0	0	0	0	0	0	104	250	604	42	0	0	
27	0	0	0	0	0	0	0	0	0	146	292	229	229	0	0	
28	42	0	0	0	0	0	0	0	0	313	396	229	63	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	500	458	0	0	
30	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
월 Month	49	2	8	30	25	5	1	4	5	7	39	111	109	134	197	1

89251 남극 세종과학기지(KAPP)

1992년 12월

요소 Element	일 Date																															월 Month
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																
기압 평균 Ave. Station	1004	999	1005	1004	1008	1010	1008	1000	1000	1000	994	996	994	975	973	983	994															
최고 Highest	991	992	986	984	986	994	997	994	1001	1004	1004	993	984	984	987	995	1000															
나타난 시간 Time (hPa)	1006	1002	1007	1006	1011	1011	1009	1006	1002	1000	1002	1002	1002	981	978	987	1011															
최저 Lowest	994	994	990	985	988	999	1000	1001	1003	1007	1004	987	986	992	998	998	1003															
Air Press.	0515	0153	1753	0006	2400	0633	0523	0012	1539	0003	2331	0131	0009	2400	2356	2400	2356															
기압 평균 Ave. Station	2326	0008	0003	2038	2257	2400	0252	2359	1101	1845	0001	1801	0003	2359	2356	2400	2400															
최저 Lowest	1002	993	1001	1000	1005	1007	1006	994	996	992	992	981	973	971	978	971	971															
Air Press.	987	990	983	982	983	988	992	990	997	997	981	978	983	985	992	997	14일															
나타난 시간 Time	1713	1526	0009	1306	0003	2303	2349	2015	0044	2300	2321	2400	1337	1447	0017	0017	14일															
기압 평균 Ave. Station	0115	2359	2253	1724	0527	0031	2358	0512	2354	0004	2400	0349	1358	0043	0007	0214	2.6															
평균최고 Ave. Maximum	3.0	3.6	3.8	2.5	1.3	2.0	2.5	3.1	0.9	0.9	1.0	2.0	1.8	1.9	0.9	0.9	2.6															
평균최저 Ave. Minimum	1.5	4.5	2.9	1.2	2.7	2.1	4.1	3.9	5.1	3.2	5.2	4.4	2.6	1.7	2.1	1.6	4.6															
온도	6.8	5.8	6.4	5.4	2.5	7.0	4.7	4.8	1.5	2.3	2.4	5.8	3.2	4.7	1.4	1.4	9.6															
최고 Highest	2.6	6.6	5.2	1.7	6.4	4.3	5.5	7.4	8.9	7.6	9.6	6.9	5.1	2.9	4.3	2.4	26일															
나타난 시간 Time	1046	0719	1926	0913	1938	2056	1726	0908	1910	0649	1236	1537	0253	0928	1701	1701																
최저 Lowest	1604	1147	0153	1035	1523	2340	1706	1302	1453	0042	0830	0254	0904	1419	1343	1104	1104															
Air Temp.	1.1	1.8	1.4	-0.2	-0.3	0.6	0.8	0.9	0.3	0.0	0.0	0.0	0.6	0.5	0.3	0.3	-0.3															
나타난 시간 Time	0.6	1.6	0.8	0.7	0.8	0.7	1.9	1.5	1.0	1.6	2.0	2.7	1.0	0.6	0.7	0.7	5일															
기압 평균 Ave. Station	0501	1923	2348	2400	0032	0859	0050	2355	0805	2258	2229	0403	2310	1935	0406	0406																
평균최저점 온도(Average Dewpoint Temperature)	0453	0005	2215	2245	0316	0958	0021	1926	0208	2205	0003	2352	0505	2138	0546	2356																
평균최저점 온도(°C)	-2.2	-2.4	-2.2	-3.4	-3.8	-3.6	-3.2	-2.6	-4.0	-4.4	-4.9	-5.4	-3.4	-3.2	-4.9	-4.9	-3.3															
Average Dewpoint Temperature	-4.8	-2.2	-3.5	-4.4	-3.2	-4.1	-3.3	-2.2	-2.3	-2.2	-0.7	-1.3	-2.4	-3.9	-4.4	-4.1	-4.1															

1992년 12월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month

강수량(mm)	0.0	24.6	-	0.6	-	-	-	0.0	0.0	2.0	-	0.0	16.2	0.0	-	58.4
Total Precipitation	-	0.0	0.0	0.0	-	-	-	-	-	6.6	7.2	-	0.0	1.0	0.2	

평	93.	92.	93.	93.	92.	92.	93.	93.	92.	92.	86.	81.	96.	87.	86.	89.
대	86.	85.	85.	87.	75.	85.	86.	89.	82.	92.	93.	93.	93.	92.	91.	93.
습	91.	79.	87.	86.	91.	84.	91.	91.	91.	86.	55.	46.	95.	80.	85.	43.
도	63.	72.	43.	85.	43.	58.	57.	68.	49.	84.	83.	88.	89.	79.	79.	61.
(1%)	0741	0656	2003	0918	0733	2101	0159	1801	2130	1825	1620	1358	2343	1230	0834	20일
R.H.	1219	0639	1205	1729	1530	0024	0900	1936	1226	0050	0831	1526	1441	1837	1344	0736

평	8.4	16.9	8.9	9.6	7.2	8.8	9.0	13.2	8.0	7.9	8.3	4.4	4.5	3.7	6.9	7.4
바	5.4	6.9	5.6	8.2	7.5	7.6	13.8	10.4	7.3	5.1	3.2	9.1	2.3	3.7	3.6	3.0
합성	NNW	N	NNW	NNW	NW	NW	NW	N	NW	NNW	WNW	NW	NNW	NW	WNW	NNW
풍	WNW	N	E	ESE	ENE	NNW	NNE	N	NNW	NW	SE	NNW	NW	WNW	WSW	WNW
순간	18.6	37.9	18.5	23.5	12.7	16.3	16.7	24.5	13.4	14.9	19.2	10.3	10.9	9.2	12.8	37.9
최대	9.9	13.5	13.9	18.5	17.8	12.6	24.8	24.0	18.0	21.2	17.0	26.5	7.3	8.3	10.4	10.8
풍	N	N	N	N	NNW	NW	NW	N	WNW	NNW	WSW	N	NW	N	W	N
방향	NNW	N	E	E	ENE	NNW	NNE	NNE	NNW	NNW	W	N	NW	W	SSW	SSW
시간	1416	1533	2229	1328	0351	2300	1105	1123	0711	0227	1127	1317	1707	0418	0719	
시간	2359	0658	1121	1746	0531	0739	1923	0337	2206	0211	0902	0352	0102	1151	1651	0444

구름(1/8)	8.0	8.0	6.0	7.0	8.0	5.0	7.0	7.0	8.0	8.0	4.0	4.0	8.0	8.0	7.0	6.7
Average Amount of Cloud	4.0	7.0	8.0	8.0	7.0	5.0	7.0	8.0	5.0	8.0	5.0	5.0	7.0	8.0	6.0	8.0

폭풍설 시작 시간 Start Time

Bliz- 끝난 시간 End Time
zard

계속 시간
Duration of Blizzard

현상없음(NO OCCURRENCE)

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1992년 12월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	동남동	남남동	남	SSW	SW	WSW	서남서	서	WNW	NW	NNW	북서 북북서	
1		18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	18.3
2		37.9	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2
3		18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6
4		23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	18.4
5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	12.3
6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	13.8
7		12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	16.7
8		24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	20.4
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	10.5
10		13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	10.6
11		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	14.9
12		10.3	2.0	9.7	6.3	6.6	0.0	6.1	7.2	7.8	0.0	1.6	5.6	0.0	10.0	9.4	9.2	0.0	0.0	0.0
13		3.8	4.2	8.0	9.8	7.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	10.9
14		9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	7.2	3.4	2.7	2.8	2.4	7.2	8.4	0.0	0.0	0.0
15		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	11.6
16		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	8.0
17		13.5	4.9	6.0	3.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	9.9
18		0.0	11.9	13.2	12.2	13.9	11.0	12.0	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19		0.0	0.0	0.0	0.0	18.5	14.8	12.6	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20		0.0	8.2	13.4	17.8	17.4	13.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21		12.2	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	12.6
22		22.3	24.8	22.3	14.5	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23		22.6	24.0	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24		16.5	12.3	0.0	0.0	0.0	8.3	0.0	0.0	0.0	8.3	0.0	0.0	0.0	5.2	9.0	14.4	18.0	0.0	0.0
25		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.3	6.1	9.5	18.6	21.2	0.0	0.0	0.0
26		3.6	4.9	6.6	9.4	6.6	8.8	10.4	11.4	5.0	8.0	4.9	4.9	17.0	8.1	0.0	7.2	0.0	0.0	0.0
27		26.5	17.9	8.5	3.6	11.1	0.0	0.0	0.0	8.7	10.1	0.0	0.0	15.6	6.9	7.3	21.5	0.0	0.0	0.0
28		2.4	1.7	2.8	3.3	3.9	0.0	0.0	4.7	0.0	2.9	0.0	4.0	4.5	5.3	7.3	4.4	0.0	0.0	0.0
29		0.0	0.0	0.0	4.5	0.0	5.9	6.6	5.8	0.0	0.0	0.0	3.6	8.3	7.3	7.7	5.6	0.0	0.0	0.0
30		0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	5.2	10.4	8.5	4.7	1.5	5.9	7.9	6.0	0.0	0.0	0.0
31		3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	10.8	8.9	4.5	6.6	6.8	4.5	5.6	0.0	0.0	0.0
월	Month	37.9	24.8	22.3	17.8	18.5	14.8	12.6	13.1	8.7	10.8	8.9	19.2	17.0	14.4	18.6	21.5	0.0	0.0	0.0

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1992년 12월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정온 CLM
1	319	0	0	0	0	0	0	0	0	0	0	0	0	0	149	532	0
2	854	104	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0
3	542	0	0	0	0	0	0	0	0	0	0	0	0	0	0	458	0
4	583	0	0	0	0	0	0	0	0	0	0	0	0	0	83	333	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	21	583	396	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	875	125	0
7	83	0	0	0	0	0	0	0	0	0	0	0	0	188	271	458	0
8	688	0	0	0	0	0	0	0	0	0	0	0	0	83	229	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	417	271	313	0
10	85	0	0	0	0	0	0	0	0	0	0	0	149	170	298	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	323	548	129	0	0
12	104	21	63	21	42	0	21	63	0	21	42	0	0	146	250	188	0
13	43	21	43	85	64	64	0	0	0	146	21	21	42	21	167	292	0
14	167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	313	625	63	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	340	404	128	128	0
17	438	83	42	21	0	21	0	0	0	0	0	0	0	0	0	396	0
18	0	146	104	146	208	83	104	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	396	396	104	104	0	0	0	0	0	0	0	0	0
20	0	42	271	208	438	21	0	21	0	0	0	0	0	0	0	0	0
21	91	91	0	0	0	0	0	0	0	0	0	0	0	0	152	667	0
22	229	521	208	21	0	0	0	21	0	0	0	0	0	0	0	0	0
23	83	354	104	0	0	0	0	0	0	0	0	0	0	0	104	354	0
24	250	21	0	0	0	21	0	0	0	21	63	63	229	521	146	292	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	21	21
26	42	21	42	42	83	146	229	104	63	21	42	42	21	21	0	63	21
27	83	21	42	21	21	0	0	0	42	42	0	0	42	63	63	521	42
28	21	21	21	43	21	0	0	21	0	21	0	64	64	170	319	149	64
29	0	0	0	0	21	0	42	188	42	0	21	125	125	229	208	0	0
30	0	0	0	0	0	0	0	83	21	292	208	42	21	42	146	83	63
31	21	0	0	0	0	0	0	42	146	42	21	104	83	125	333	83	83
월 Month	155	48	31	21	42	30	21	17	12	23	12	17	54	102	176	229	10

남극 세종기지 기상년보

ANNUAL WEATHER REPORT ANTARCTIC KING SEJONG STATION



1993

한국해양연구소 극지연구센터
POLAR RESEARCH CENTER, KORDI

89251 남극 세종과학기지(KARP)

1993년 1월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	월
기압 평균 Ave. Station	1006	1004	1003	992	989	992	997	1004	1004	1000	992	979	981	986	997		994
기압 최고 Highest	1003	1004	997	993	996	993	996	997	998	992	990	990	990	999	985	989	1008
기압 나태난 시간 Time (hPa)	1004	1005	1002	996	998	994	997	998	999	995	991	991	991	990	987	991	1/2일
기압 최저 Lowest	2148	0004	1044	0058	2358	2350	2331	2129	0632	0021	0016	0014	2339	2358	2340		2359
Air Press.	2359	0746	0006	2359	0738	2358	2257	2246	0554	0004	2257	1618	2022	0010	1826		2359
나태난 시간 Time	1003	1002	998	987	987	990	995	1001	1002	999	983	977	977	982	992		977
기압 나태난 시간 Time	1002	1002	990	990	994	992	994	996	995	990	989	989	988	985	983	987	12/13일
기온 평균 Average	1.7	2.0	3.7	3.3	5.2	4.9	4.0	2.9	2.6	1.8	0.8	-0.8	0.1	1.4	1.4		2.0
기온 평균 최고 Ave. Maximum	1.4	0.9	1.8	1.6	2.1	2.5	1.4	1.1	1.7	2.9	1.8	0.2	0.7	2.6	3.2		1.7
기온 평균 최저 Ave. Minimum																	4.0
기온 최고 Highest	3.1	4.7	6.0	4.9	6.8	6.7	8.3	3.6	4.6	3.5	2.2	0.5	2.5	2.8	4.1		8.3
기온 나태난 시간 Time (°C)	3.9	2.5	2.8	3.0	4.4	5.4	5.4	2.9	2.4	4.4	3.6	3.6	1.9	5.7	5.2		7일
기온 최저 Lowest	1424	1550	1257	2400	0542	1019	1425	1719	1537	1332	1137	0004	1610	2004	1615		0159
Air Temp.	1404	1101	1355	0253	1139	1122	1601	1317	1517	1612	1203	0639	1154	1642	0320		0159
나태난 시간 Time	0.7	0.3	1.6	2.0	3.4	2.4	2.2	2.1	1.7	0.0	-0.2	-2.5	-2.7	0.0	-0.1		-2.7
평균습점온도(°C)	-0.9	-1.5	0.9	0.6	0.6	0.7	0.5	0.4	0.7	1.5	0.5	-0.1	-0.2	0.6	2.3		0.5
Average Dewpoint Temperature	0334	0405	0332	0236	2154	2359	0123	2223	2359	2359	0242	2255	0308	1153	2331		2359
평균습점온도(°C)	0341	0220	0236	0540	0224	0341	2359	0055	0048	0117	2400	2400	0007	0230	0119		2359
Average Dewpoint Temperature	-3.4	-4.0	-2.7	-2.9	-0.8	-1.1	-2.1	-3.9	-4.1	-6.5	-5.9	-7.1	-8.5	-7.6	-8.2		-4.6
Average Dewpoint Temperature	-7.0	-6.7	-5.7	-4.1	-4.3	-3.8	-4.5	-5.0	-4.4	-3.5	-4.4	-6.1	-5.5	-3.3	-2.3		-3.7

1993년 1월

요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
강수량(mm)	0.0	0.0	-	1.6	0.9	-	0.2	0.0	-	0.0	1.8	-	0.1	-	0.1	-	19.6															
Total Precipitation	-	-	0.2	6.9	0.3	0.0	0.8	0.3	0.1	1.8	2.1	0.0	0.2	0.9	0.8	0.6																
상대 습도 (%)	92.	92.	92.	93.	94.	93.	92.	91.	91.	91.	84.	92.	92.	81.	80.	76.	90.															
최소 습도 (%)	82.	88.	90.	93.	92.	93.	93.	93.	93.	93.	93.	93.	93.	93.	94.	94.	93.															
나타난 시간 Time	91.	89.	87.	90.	90.	88.	83.	82.	86.	88.	85.	85.	87.	66.	64.	65.	64.															
(1%) R.H.	70.	79.	80.	91.	75.	83.	92.	91.	92.	91.	90.	89.	91.	85.	92.	92.	14일															
	1610	1558	2106	0419	0738	0717	1451	0126	1541	1029	0004	1326	1558	0717	1329																	
	1424	1406	0359	0320	1821	1128	0006	1333	0102	1627	2124	1333	1509	1650	1320	1228																
평 균 24 hour ave.	2.0	2.5	3.6	13.5	9.4	5.3	3.3	2.6	2.3	5.3	5.3	6.2	8.3	9.0	8.4	7.1	6.0															
합성 풍향 Direction	WSW	W	NNW	N	N	NNW	NNE	N	S	SE	SE	W	E	SSE	S	SE	E															
순간 최대 Gust	NE	N	N	NNW	ENE	E	E	E	E	ENE	E	ENE	E	ENE	N	NNW	NNE															
(m/s) 풍향 Direction	5.9	5.3	19.8	22.5	20.7	11.8	13.2	15.0	5.3	17.4	11.5	17.8	18.4	18.5	15.9	25.0																
Wind	8.3	9.1	25.0	20.9	17.5	11.5	17.8	17.0	17.9	13.7	11.6	20.9	19.7	8.5	11.1	12.3	18일															
	SSW	S	N	N	N	N	ENE	ENE	S	E	WNW	ENE	ESE	SSE	SE	NNE																
나타난 시간 Time	E	N	NNE	NNE	ENE	E	E	E	ENE	E	E	ENE	ENE	ENE	N	NNW	E															
	1048	1529	2326	0524	0804	0738	2247	0126	1048	1532	1028	1323	0330	1730	0618																	
	0022	1747	2148	0021	2103	0249	2007	2049	2322	0330	0506	2059	0037	1622	0625	1951																
구름(1/8)	8.0	7.0	7.0	8.0	6.0	4.0	7.0	8.0	7.0	3.0	8.0	8.0	8.0	3.6	7.2	6.0	6.8															
Average Amount of Cloud	4.8	3.8	8.0	7.8	6.6	7.4	8.0	7.8	8.0	8.0	7.6	8.0	8.0	7.4	7.4	7.6	7.6															
폭풍설 시작 시간 Start Time																																
Blizzard																																
계속 시간 Duration of Blizzard																																

현상없음(ND OCCURRENCE)

1993년 1월

요 소 Element	일 Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월			
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month				
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	10747	18901	17301	8959	22291	26532	22096	11669	16856	24885	9459	8677	22436	12263	23899	468003					
	22645	26751	14061	10319	19255	19301	8972	11828	8015	11027	4478	3887	17650	15194	9169	8480					
눈 Snow (cm)	적 설 최 심 Max. Depth Snow Cover		0.0	-	-	-	-	-	0.0	0.0	0.1	-	0.0	5.2	3.8	2.5	0.8				
	신적설 합 계 Total		-	-	-	-	-	-	-	-	-	-	0.0	5.5	-	0.3	-	6.4			
기상 현상 Meteo. Phenomena	최 심 Max. Depth Fall		-	-	0.0	0.0	-	-	-	-	-	-	0.0	0.0	0.5	-	-	5.5			
	나타난 날 Date		-	-	0.0	0.0	-	-	-	0.0	0.0	0.1	-	0.0	0.0	0.5	-	12일			
기상 현상 Meteo. Phenomena	맑음 Clear						v	v							v		v	0			
	개 일 Partly Cloudy										v								7		
기상 현상 Meteo. Phenomena	흐 립 Cloudy		v	v															24		
	눈 비 Snow Rain																			8	
기상 현상 Meteo. Phenomena	진 눈 깨 비 Sleet																		14		
	안 개 Fog																			8	
기상 현상 Meteo. Phenomena	무 Mist																		1		
	유 빙 Drift Ice (Marian Cove/Maxwell Bay)																			12	
기상 현상 Meteo. Phenomena	세 풍 호 해 빙																				
	MC																				
기상 현상 Meteo. Phenomena	MC																				
	MC																				

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 1월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW
1	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.4	5.9	5.6	4.5	4.5	0.0	4.0	4.0
2	0.0	1.8	0.0	0.0	4.6	5.1	5.2	5.3	3.7	0.0	2.8	4.2	4.9	4.4	4.5
3	19.8	18.5	11.7	9.1	4.9	5.6	5.0	4.7	0.0	2.7	0.0	1.8	2.5	6.3	8.8
4	22.5	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1
5	20.7	17.6	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6
6	11.8	2.2	0.0	0.0	0.0	0.0	2.4	0.0	3.1	2.4	4.2	6.9	0.0	7.2	11.2
7	0.0	0.0	10.4	13.2	11.7	3.6	0.0	4.7	3.6	0.0	2.0	0.0	2.3	3.4	3.1
8	2.2	0.0	7.1	15.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	3.3	3.0	2.3	2.2
9	0.0	0.0	0.0	0.0	0.0	0.0	4.2	5.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	7.5	17.4	15.5	14.6	5.5	4.7	0.0	2.6	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	11.3	11.5	0.0	0.0
12	0.0	1.6	0.0	17.8	17.7	0.0	0.0	0.0	0.0	0.0	0.0	4.2	2.9	1.6	0.0
13	0.0	0.0	0.0	0.0	18.1	18.4	11.8	7.5	11.8	12.1	9.6	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	15.7	18.5	17.7	15.3	13.1	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	9.1	10.6	15.9	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	3.2	0.0	5.2	5.6	8.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.7
17	9.1	2.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	8.9
18	19.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	7.2
19	18.8	20.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	6.4
20	5.1	5.1	13.6	17.5	8.3	4.4	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	7.5	10.4	11.5	6.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	17.8	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	17.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	17.9	14.7	14.6	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	13.0	11.5	13.7	13.5	11.2	9.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	10.2	11.6	0.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	20.9	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	5.9	19.7	15.0	14.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	8.5	5.6	1.3	1.1	1.2	3.4	4.2	4.5	5.2	0.0	2.8	0.0	4.7	5.6	6.5
30	10.1	0.0	6.7	2.6	2.5	0.0	4.3	2.8	3.1	2.9	2.2	0.0	3.1	4.4	5.2
31	0.0	0.0	0.0	0.0	12.3	6.4	4.4	2.4	0.0	0.0	0.0	0.0	0.0	6.7	5.0

월 Month 22.5 25.0 13.6 20.9 18.1 18.4 15.9 18.5 17.7 15.3 13.1 9.6 11.3 11.5 11.3 15.1

풍향별 관측횟수의 배분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 1월

일 Date	요소 Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1	0	0	0	0	0	0	0	0	42	21	188	229	83	63	0	83	83	208
2	0	21	0	0	42	63	83	83	83	167	42	0	21	21	83	271	104	0
3	125	83	42	42	21	21	146	0	63	0	63	0	42	0	63	42	63	104
4	375	396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0
5	667	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	271	0
6	271	21	0	0	0	0	21	0	0	0	21	63	83	63	0	21	417	21
7	0	0	229	167	83	21	0	0	42	21	0	0	21	0	83	104	42	188
8	21	0	188	208	0	0	0	83	83	646	21	0	0	0	104	83	63	188
9	0	0	0	0	0	0	0	83	83	83	21	0	0	0	0	0	0	167
10	0	0	0	63	229	271	125	188	83	83	0	0	21	0	0	0	0	21
11	0	0	0	0	0	0	0	0	0	0	0	0	83	708	208	0	0	0
12	0	21	0	63	792	0	0	0	0	0	0	0	0	21	42	42	0	21
13	0	0	0	0	83	333	21	63	21	146	313	21	0	0	0	0	0	0
14	0	0	0	0	0	0	146	250	188	229	188	0	0	0	0	0	0	0
15	0	0	0	63	42	625	271	0	0	0	0	0	0	0	0	0	0	0
16	21	0	208	104	229	83	0	0	0	0	0	0	0	0	0	83	271	0
17	63	83	188	0	0	0	0	0	0	0	0	0	0	0	0	208	396	63
18	542	292	0	0	0	0	0	0	0	0	0	0	0	0	0	21	146	0
19	188	63	42	396	63	542	63	21	0	0	0	0	0	0	0	63	542	104
20	42	42	292	250	917	83	0	0	21	0	0	0	0	0	0	0	0	83
21	0	0	125	250	542	63	21	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	917	83	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	646	354	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	313	604	63	0	21	0	0	0	0	0	0	0	0	0	0
25	0	0	452	119	119	167	71	48	24	0	0	0	0	0	0	0	0	0
26	0	0	0	267	700	0	33	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	925	75	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	29	197	672	80	15	0	0	0	0	0	0	0	0	0	0	7
29	73	34	25	8	18	20	42	35	97	0	8	0	33	26	137	201	243	0
30	299	0	35	14	14	0	28	14	28	21	14	14	29	13	55	354	69	0
31	0	0	0	0	375	21	21	42	0	0	0	0	0	0	0	208	250	83
월 Month		85	34	47	96	202	58	45	38	48	21	28	11	32	20	54	117	65

89251 남극 세종과학기지(KARP)

1993년 2월

요소 Element	일 Date												월 Month			
	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27		13 28	14 29	15 30
기압 평균 Ave. Station	994	996	995	984	986	988	988	974	976	985	980	981	983	988	985	993
최고 Highest	985	993	988	996	995	994	1004	1013	1012	1011	1005	999	1006	990	989	1014
나타난 시간 Time (hPa)	993	996	992	998	998	997	1014	1014	1013	1012	1010	1001	1009	1829	0057	23일
최저 Lowest	2359	0217	0949	1443	2357	1739	1844	0012	2400	2322	0041	0415	2351	1829	0057	23일
Air Press.	2359	0900	2400	2340	0039	2346	2323	0245	0244	1832	0022	2400	2343	980	981	970
나타난 시간 Time	990	990	990	980	980	983	983	970	972	980	975	980	980	982	981	970
기온 평균 Average	1.2	2.8	1.8	4.6	0.0	4.0	4.0	3.5	2.3	2.4	3.8	3.4	2.7	2.8	3.2	2.2
평균최고 Ave. Maximum	2.6	1.2	0.6	0.5	2.0	2.1	2.3	2.4	2.2	1.0	1.7	1.5	1.0			3.9
평균최저 Ave. Minimum																0.8
온도	2.9	5.4	3.8	7.5	1.4	5.2	5.2	5.3	3.7	4.6	5.7	4.5	3.6	4.9	5.3	7.5
최고 Highest	4.2	2.5	2.1	2.8	3.5	3.4	5.2	4.1	3.2	1.8	3.5	4.8	2.3			4일
나타난 시간 Time (°C)	2127	1534	1348	1553	0004	1357	2314	0435	0521	2001	0818	0659	2139	1952	1546	
최저 Lowest	1221	1817	1619	1457	1919	1823	1851	1956	1602	2223	2233	1946	0002			
Air Temp.	0.1	1.0	0.7	1.2	-0.4	-1.1	1.2	2.0	1.5	1.3	2.5	2.6	2.2	1.7	1.0	-1.1
나타난 시간 Time	1.2	0.0	-0.4	-1.0	0.7	1.2	0.9	1.1	1.0	0.2	0.7	-0.7	-0.1			6일
평균습점온도(°C)	0749	0843	0834	2359	0850	0709	2003	2357	1332	0829	0005	2244	0729	0448	0515	
Average Dewpoint Temperature	2359	2357	0525	0934	0005	0226	0740	0126	0435	1058	0009	0956	2359			
	-5.3	-4.9	-6.0	-2.4	-5.5	-2.2	-2.2	-2.3	-2.9	-3.7	-2.0	-3.0	-2.6	-2.9	-3.3	-4.3
	-3.3	-5.7	-6.6	-6.8	-5.0	-5.1	-5.9	-4.6	-4.4	-5.2	-4.2	-4.2	-4.4			

1993년 2월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.0	-	0.0	0.1	1.2	-	4.0	2.5	0.0	-	3.0	0.6	0.2	0.2	3.8	15.6	
Total Precipitation	-	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	-	-	-	
상대 습도 (1%)	94.	91.	90.	89.	93.	88.	92.	92.	93.	95.	94.	92.	92.	94.	95.	91.	
R.H.	1324	2040	1350	1720	0024	1322	2003	0100	1631	0050	1103	1624	0020	1651	0813	22일	
평균 24 hour ave.	3.7	6.4	5.8	6.5	13.5	4.6	11.7	9.6	4.2	5.1	10.3	8.4	6.3	4.0	9.7	6.4	
합성 풍향 Direction	4.3	3.5	4.8	4.3	8.2	9.1	7.0	7.7	4.6	6.7	3.7	2.7	2.8	-	-	NNW	
순간 최대 Gust	E	SW	SSW	NW	E	NW	NNW	WSW	WSW	NW	NNW	NNW	NNW	N	ENE	NNW	
(m/s) 풍향 Direction	12.5	12.4	18.8	24.0	29.8	15.6	23.2	22.3	12.5	10.3	19.4	18.5	11.0	12.5	22.1	29.8	
Wind	16.0	13.4	18.0	13.6	15.8	15.7	14.3	14.4	17.3	12.7	9.3	9.4	7.8	-	-	5일	
나타난 시간 Time	E	NE	NE	E	E	ENE	N	N	NW	W	NNE	N	NNW	ENE	NNE	E	
구름(1/8)	ENE	SE	ESE	WSW	WSW	WSW	SSW	SSW	SW	WNW	NW	NW	SSE	SE	SE	2350	
Average Amount of Cloud	0054	2337	0149	2317	1734	2053	0827	2239	0039	0243	0156	1806	0018	1512	2350	1959	
폭풍설 시작 시간 Start Time	7.4	5.0	6.6	7.4	7.4	5.0	8.0	8.0	7.2	6.6	8.0	8.0	7.4	7.2	6.8	6.1	
폭풍설 끝난 시간 End Time	8.0	6.6	7.6	5.2	4.4	2.6	0.4	4.8	4.0	7.0	6.6	5.4	6.0	-	-	-	
계속 시간 Duration of Blizzard	0230																
	0820																
	0550																

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 2월

요소 일 Date	북 N	북북동 NNE	북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북북서 NNW			
1	0.0	1.2	0.0	2.9	12.5	11.2	4.5	0.0	3.3	1.9	3.2	0.0	2.1	3.0	4.2	5.0
2	11.9	11.3	12.4	5.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9
3	0.0	12.4	18.8	12.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	15.1	20.3	22.8	13.5	24.0	14.6	10.5	9.2	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	29.8	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	23.2	3.3	8.9	15.4	15.6	0.0	0.0	0.0	0.0	0.0	3.7	4.2	0.0	0.0	15.6	12.5
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	13.5	11.5	
9	2.5	0.0	0.0	2.4	2.8	4.1	4.9	5.2	3.8	6.2	5.4	3.9	8.3	7.1	12.5	11.7
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	8.8	8.4	6.7
11	18.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	16.8	14.9
12	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	16.5
13	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	11.0
14	5.9	2.6	5.2	12.5	11.5	7.2	0.0	4.5	0.0	3.2	1.8	0.0	1.5	8.1	9.4	8.3
15	0.0	22.1	21.3	16.9	18.1	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	7.9	6.3	14.5	16.0	15.6	10.2	8.0	3.4	4.3	3.3	0.0	0.0	0.0	0.0	2.3	0.0
17	1.2	2.7	1.5	8.7	9.6	11.5	13.4	6.6	6.8	1.4	5.5	6.6	6.2	6.4	6.3	4.4
18	0.0	0.0	0.0	1.0	17.0	18.0	16.0	2.2	0.0	6.7	7.0	8.8	8.5	6.2	2.7	0.0
19	2.0	2.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	13.6	11.4	8.1	7.2	7.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	15.8	13.9	12.7	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	15.7	14.5	12.1	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	14.3	13.2	11.3	11.7	12.2	5.7	4.7
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	11.4	14.4	14.0	13.4	11.1	6.1	7.1
24	6.8	3.2	5.7	5.4	3.4	0.0	7.1	0.0	10.4	8.4	14.4	4.8	10.9	17.3	11.2	10.6
25	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	12.7	11.2
26	2.6	1.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.8	2.1	8.4	9.3	9.3	
27	3.5	3.5	4.3	0.0	6.0	5.8	8.4	9.4	6.9	0.0	0.0	0.0	3.2	4.2	4.2	5.1
28	0.0	1.3	0.0	0.0	3.2	4.6	7.8	6.0	6.3	4.2	0.0	0.0	2.5	3.0	3.3	0.0
월 Month	23.2	22.1	22.8	16.9	29.8	20.1	16.0	9.4	10.4	14.3	14.4	15.8	14.5	17.3	16.8	16.5

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 2월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		0	18	0	18	286	125	36	0	18	18	54	0	54	71	89	196	18
2		431	368	90	21	28	0	0	0	0	0	0	0	0	0	0	63	0
3		0	233	558	151	58	0	0	0	0	0	0	0	0	0	0	0	0
4		47	352	289	55	125	70	47	8	0	0	8	0	0	0	0	0	0
5		0	0	0	0	583	417	0	0	0	0	0	0	0	0	0	0	0
6		128	7	115	169	297	0	0	0	0	0	0	14	7	0	20	236	7
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		396	0	0	0	0	0	0	0	0	0	0	0	111	361	132	0	0
9		14	0	0	7	7	7	21	153	104	76	49	14	229	49	69	188	14
10		0	0	0	0	0	0	0	0	0	0	0	0	184	214	367	235	0
11		132	66	0	0	0	0	0	0	0	0	0	0	0	13	605	184	0
12		122	0	0	0	0	0	0	0	0	0	0	0	0	0	9	870	0
13		49	0	0	0	0	0	0	0	0	0	0	0	0	0	257	694	0
14		76	7	42	69	90	21	0	7	0	35	14	0	14	7	139	479	0
15		0	167	340	257	215	21	0	0	0	0	0	0	0	0	0	0	0
16		98	63	98	182	77	231	49	28	119	21	0	0	0	0	7	0	28
17		7	7	14	7	49	146	181	42	28	7	21	35	69	125	132	83	49
18		0	0	0	7	42	278	35	7	0	111	42	188	132	90	14	0	56
19		14	35	201	0	0	0	0	0	0	7	0	83	347	28	21	83	181
20		0	0	0	0	0	0	0	0	0	0	7	306	556	132	0	0	0
21		0	0	0	0	0	0	0	0	0	0	10	154	817	19	0	0	0
22		0	0	0	0	0	0	0	0	14	274	68	178	329	82	41	14	0
23		0	0	0	0	0	0	0	7	0	14	36	250	464	193	7	21	7
24		35	14	104	21	14	0	21	0	14	28	21	14	35	118	340	222	0
25		14	0	0	0	0	0	0	0	0	0	0	0	0	160	507	319	0
26		21	21	21	0	0	0	0	0	0	0	28	7	21	63	438	326	56
27		28	70	217	0	14	28	231	105	21	0	0	0	0	21	42	84	140
28		0	7	0	0	7	21	153	257	313	63	0	0	14	28	49	0	90
월	Month	63	52	76	37	70	53	31	25	25	21	12	46	115	56	126	165	26

89251 남극세종과학기지(KARP)

1993년 3월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	31 Month	월	
기압 평균 Ave. Station	1008	1003	994	989	985	979	976	981	979	978	984	984	983	987	984	987	987	987
기최고 Highest	986	986	980	993	999	996	996	1004	996	981	986	979	978	984	989	985	985	985
기압 나타난 시간 Time (hPa)	1009	1007	997	993	988	987	984	984	982	982	985	985	987	989	985	989	989	1009
기압 최낮아 나타난 시간 Time	987	988	986	1000	1001	999	1002	1006	1003	988	989	985	981	988	990	989	989	1009
기압 최낮아 나타난 시간 Time (hPa)	0106	0006	0004	0915	0423	0009	2335	0245	0854	2359	1814	1126	2359	0853	0016	0003	0003	0003
기압 최낮아 나타난 시간 Time (hPa)	1804	1930	0007	2400	0258	0041	2357	1544	0010	0005	1103	0005	2359	2352	1624	0003	0003	0003
기압 최낮아 나타난 시간 Time (hPa)	1006	997	992	980	981	967	967	979	974	976	981	982	981	984	982	982	982	982
기압 최낮아 나타난 시간 Time (hPa)	984	984	977	981	998	994	994	1002	987	976	981	976	976	980	988	983	983	983
기압 최낮아 나타난 시간 Time (hPa)	2309	2359	1747	1934	1211	2357	0020	1436	1920	0118	0015	2354	0257	2112	0802	0802	0802	0802
기압 최낮아 나타난 시간 Time (hPa)	0138	0311	1718	0004	2002	2105	0645	0003	2355	1848	0008	1405	1120	0111	0308	2114	2114	2114
기온 평균 Average	2.3	3.1	3.0	3.3	2.6	1.6	0.0	0.0	5.1	3.4	3.0	1.8	1.3	0.8	1.0	1.0	1.0	0.4
기온 평균 최고 Ave. Maximum	0.3	1.8	0.8	-3.8	-1.4	-2.9	-5.4	-3.0	-1.0	-0.6	0.2	1.5	-1.0	-1.7	-1.8	-1.2	-1.2	2.0
기온 평균 최저 Ave. Minimum																		-1.2
기온 최최고 Highest	4.1	3.8	3.8	4.4	4.2	2.6	1.4	2.3	8.6	5.3	4.1	3.3	3.2	2.8	2.0	2.0	2.0	8.6
기온 최최저 Lowest	1.8	2.7	2.2	-0.7	2.2	-1.4	-4.0	-1.6	-0.5	0.6	1.9	2.8	0.0	-0.5	-0.2	0.0	0.0	9.1
기온 나타난 시간 Time (°C)	1742	1945	1943	1909	1822	0011	0140	2355	1647	0832	1352	0056	1909	2231	1732	1732	1732	1732
기온 나타난 시간 Time (°C)	2359	1442	0828	1739	1653	1531	0119	1434	1645	1539	2138	1341	0156	1603	1741	1522	1522	1522
기온 최최고 Highest (°C)	-0.5	2.6	2.1	2.6	1.5	0.8	-1.0	-0.9	1.9	2.6	2.1	0.7	0.3	-1.1	-0.6	-0.6	-0.6	-6.6
기온 최최저 Lowest (°C)	-0.9	1.1	-3.7	-6.6	-4.7	-4.2	-6.2	-5.5	-2.0	-1.9	-2.7	-1.3	-3.8	-3.0	-3.3	-2.9	-2.9	19.1
기온 나타난 시간 Time (°C)	0143	1321	0805	2359	1104	0923	2323	0039	0033	2229	0748	2359	0950	0543	2400	2400	2400	2400
기온 나타난 시간 Time (°C)	0412	0920	2158	0329	0001	2400	1111	0031	0042	2359	0122	2220	2156	0347	0035	1900	1900	1900
평균눈점온도(°C)	-3.1	-2.3	-2.8	-2.4	-4.2	-4.5	-5.8	-6.3	-1.3	-2.4	-2.8	-3.7	-5.7	-6.3	-6.5	-6.5	-6.5	-6.7
Average Dewpoint Temperature	-6.9	-5.3	-5.9	-12.9	-10.9	-11.6	-13.4	-12.8	-9.7	-8.0	-7.3	-4.8	-9.1	-10.6	-10.0	-7.5	-7.5	-7.5

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요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
강수량(mm)	-	0.0	0.4	3.0	0.0	5.0	5.2	0.6	4.4	0.0	0.0	-	-	-	0.3	28.5																
Total Precipitation	0.4	-	0.2	0.2	-	-	0.2	-	-	0.4	-	0.2	0.2	0.0	0.2	7.6																
상 평	91.	92.	91.	92.	90.	92.	91.	91.	91.	92.	91.	91.	89.	91.	89.	88.																
대	90.	90.	90.	81.	78.	85.	87.	79.	84.	89.	88.	92.	87.	83.	85.	91.																
습	90.	88.	91.	91.	76.	90.	91.	87.	80.	86.	90.	90.	74.	77.	73.	58.																
도	79.	78.	77.	64.	58.	73.	70.	67.	74.	74.	74.	87.	70.	64.	69.	20일																
(1*) 나타난 시간 Time	0005	1507	1917	0210	1804	1400	2359	0741	1803	0019	1600	0040	1900	1400	1700																	
R.H.	1300	1800	1700	1600	1700	1700	2100	1100	0400	1200	0500	2200	1700	1533	1600	1500																
평	4.9	9.5	11.3	13.2	8.4	6.1	11.5	10.8	7.5	7.0	5.5	4.2	4.9	4.8	7.4	7.8																
관 24 hour ave.	7.0	9.7	10.5	5.7	2.6	6.4	10.7	5.9	4.6	6.1	11.5	11.7	9.8	9.8	3.8	8.5																
바	NNW	NW	WNW	WNW	W	NE	ESE	E	N	NNW	NW	NW	SW	WNW	W	W																
합성 풍	WSW	W	WNW	S	SSW	NE	ESE	W	N	NNW	W	NNW	WNW	WSW	N	NE																
순 간	14.4	16.3	22.6	28.3	19.6	20.2	23.2	26.2	22.5	14.3	10.0	10.2	14.5	12.0	13.1	28.3																
최 대 Greatest Gust	17.8	19.7	16.8	13.3	8.9	15.6	20.3	11.3	10.9	18.8	24.3	24.3	17.6	18.2	11.6	21.3																
(m/s) 풍	NW	NNW	W	W	W	E	ESE	E	N	N	NW	NNW	SW	N	WNW	W																
향 Direction	W	WSW	NW	SW	S	ENE	ESE	WNW	NW	SW	SW	N	W	SW	WSW	NNE																
Wind	2315	1352	1740	2013	0129	1754	1529	1442	1826	1354	0547	0056	1121	1636	0626																	
나타난 시간 Time	2351	1241	0717	1239	1016	1906	1042	1837	0158	1943	0228	0936	1215	1940	0022	0505																
구름(1/8)	7.4	7.4	7.4	6.2	5.0	8.0	6.0	7.8	7.4	7.0	5.6	3.8	2.8	7.0	5.2	5.9																
Average Amount of Cloud	6.8	5.4	6.2	2.4	0.2	6.8	5.4	8.0	8.0	6.0	6.8	5.4	5.2	2.8	4.0	8.0																
폭풍설 시작 시간 Start Time	1350																															
Blizzard	1610																															
계속 시간 Duration of Blizzard	0220																															
	2330																															
	2400																															
	(4/1계속)																															
	0030 0250																															

1993년 3월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	5071	5546	5018	4169	13961	3211	8411	3462	10314	6384	11380	10213	12311	7707	11314	222116
	5730	9957	6840	9463	12236	7164	6570	3760	2410	3858	5138	3532	6588	8134	8809	3455
눈							2.6	6.5	1.2	0.0	-	-	-	-	1.0	
Max. Depth Snow Cover	1.3	0.4	0.2	3.5	2.5	1.5	1.7	1.2	0.5	2.1	0.7	0.2	0.3	0.4	0.3	10.0
신적설 합 계 Total	-	-	-	-	-	-	6.3	5.1	-	-	-	-	-	-	1.0	37.2
Snow Fall	1.2	-	0.0	4.5	-	-	0.7	-	-	2.0	-	0.2	1.3	1.0	0.8	13.1
최 심 Max. Depth 나타난 날 Date																31일
맑																1
개																14
흐																16
눈																13
비																11
진 눈 캐 비 Sleet																1
안																4
박																9
유																
(Marian Cove/Maxwell Bay)																

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 3월

요소 Element 일 Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1	7.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	7.9	14.4	11.1
2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	13.9	16.3
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	19.0	15.7	19.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	23.8	19.7	19.4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	11.5	13.7	19.6	18.4	11.3	7.1	7.1
6	6.1	4.9	12.9	20.2	20.2	7.7	0.0	2.8	2.8	0.0	1.3	0.0	11.1	11.8	7.6	6.7
7	0.0	0.0	0.0	7.8	22.2	23.2	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	14.7	21.8	26.2	0.0	2.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	22.5	19.2	11.5	8.9	5.5	6.5	5.1	0.0	5.4	1.7	4.8	0.0	1.4	2.8	0.0	12.4
10	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.1	13.8
11	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	5.1	5.9	5.9	10.0	9.6
12	8.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	6.4	6.8	7.7	10.2
13	5.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	5.8	13.6	14.5	11.6	6.6	7.2	6.4	5.7
14	12.0	10.0	3.5	1.7	0.0	0.0	0.0	3.3	5.8	4.9	8.6	8.5	9.8	7.8	8.7	11.4
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	12.7	12.0	13.1	12.7	0.0
16	2.3	0.0	1.6	2.3	0.0	2.2	1.9	0.0	12.2	13.9	15.3	17.8	10.4	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	18.4	16.3	12.5	12.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	16.6	15.4	16.2	16.8	15.9
19	0.0	0.0	0.0	2.5	10.6	10.0	12.4	8.6	11.1	12.7	13.3	11.0	0.0	0.0	0.0	0.0
20	0.0	2.7	8.4	7.4	5.6	2.0	3.7	6.6	8.9	7.1	6.5	8.7	2.8	1.8	2.1	3.2
21	6.7	7.8	11.3	15.6	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	17.1	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	2.3	2.2	9.1	11.3	6.5	6.3	0.0	0.0	0.0	9.4	10.3	11.3	8.9	0.0
24	8.1	7.9	7.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	10.9	9.4
25	13.0	7.5	6.7	0.0	0.0	0.0	0.0	0.0	0.0	16.0	18.8	16.5	9.9	9.7	10.5	11.3
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.1	24.3	17.2	12.7	17.4	17.2	15.8
27	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	13.1	19.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	15.9	17.6	17.4	14.1	14.1	12.4
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	17.0	17.3	11.7	0.0	0.0	0.0
30	4.6	6.5	9.0	6.9	7.5	0.0	0.0	0.0	0.0	0.0	11.6	11.3	8.4	6.3	5.0	0.0
31	12.7	21.3	15.1	18.9	17.6	20.9	0.0	0.0	1.2	0.0	0.0	0.0	0.0	6.0	6.8	7.5
월 Month	24.3	21.3	15.1	21.8	26.2	23.2	17.4	8.6	11.1	19.1	24.3	19.7	28.3	23.8	19.7	19.4

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 3월

요소 일 Date	Element N	북 NNE	북북동 NNE	북동 ENE	동 E	동남동 ESE	남동 SSE	남남동 SSE	남 S	남남서 SSW	남서 SSW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	정은 CLM
1	153	28	0	0	0	0	0	0	0	0	0	0	14	42	347	417	0
2	7	0	0	0	0	0	0	0	0	0	0	0	0	229	438	326	0
3	0	0	0	0	0	0	0	0	0	0	0	0	292	319	201	188	0
4	0	0	0	0	0	0	0	0	0	0	0	0	229	528	160	83	0
5	0	0	0	0	0	0	0	28	76	118	340	257	167	14	0	0	0
6	14	7	76	229	208	49	0	28	7	0	14	132	146	63	21	0	0
7	0	0	0	7	424	556	14	0	0	0	0	0	0	0	0	0	0
8	0	125	146	701	0	7	7	0	0	0	0	0	0	0	0	0	14
9	618	153	21	7	14	7	0	42	7	7	0	7	0	7	0	69	35
10	243	0	0	0	0	0	0	0	0	0	0	0	0	7	56	681	14
11	14	0	0	0	0	0	0	0	0	7	35	21	35	354	535	0	0
12	42	7	7	0	0	0	0	0	0	49	146	181	278	285	7	0	0
13	7	14	0	0	0	0	0	35	278	257	153	125	49	69	14	0	0
14	201	14	21	7	0	0	7	28	69	69	56	201	56	83	167	21	0
15	0	0	0	0	0	0	0	0	0	7	340	438	174	42	0	0	0
16	7	0	63	21	0	7	14	0	21	160	354	250	21	0	0	76	0
17	0	0	0	0	0	0	0	0	0	118	563	222	56	42	0	0	0
18	0	0	0	0	0	0	0	0	56	188	243	35	319	160	0	0	0
19	0	0	0	14	69	111	167	76	104	208	153	76	0	0	0	21	0
20	0	28	160	90	14	7	28	21	111	97	215	83	21	21	21	21	63
21	7	76	528	229	160	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	340	660	0	0	0	118	375	222	14	0	0	0	0
23	0	0	7	28	49	125	42	14	0	0	0	0	0	0	0	0	0
24	125	313	201	21	0	0	0	0	0	14	97	76	35	14	42	90	0
25	361	229	42	0	0	0	0	0	21	201	188	63	146	285	97	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	132	222	361	0	0
27	285	0	0	0	0	0	0	0	0	14	146	313	319	160	49	0	0
28	0	0	0	0	0	0	0	0	0	35	521	438	7	0	0	0	0
29	0	0	0	0	0	0	0	0	0	35	188	139	56	35	14	0	0
30	35	7	444	42	7	0	0	0	0	42	83	35	28	0	0	0	0
31	21	271	111	160	49	194	0	7	0	0	0	0	0	0	0	0	0
월 Month	69	37	58	32	65	56	9	5	11	24	44	86	139	108	122	125	10

89251 남극 세종과학기지(KARP)

1993년 4월

요소 Element	일 Date																															월 Month
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																
기압 평균 Ave. Station	986	989	996	989	991	986	985	987	979	983	984	982	983	993	1002	987																
최고 Highest	1009	1006	995	978	984	993	986	987	978	968	970	975	983	983	993	1011																
압 (hPa)	1011	1009	1004	984	990	996	992	989	985	974	974	983	985	989	1001	16일																
나타난 시간 Time	2334	2400	1610	0035	1843	0025	2400	0406	0032	2033	0905	0527	2400	2348	2210																	
최저 Lowest	1614	0107	0027	0005	2350	1323	0015	1619	0002	0609	0839	2304	1615	2234	2118	956																
Air Press.	984	987	994	984	979	982	982	982	976	980	981	980	981	986	999	25일																
나타난 시간 Time	1003	1004	084	973	974	989	983	984	974	956	957	966	976	976	987																	
	0043	0010	0023	2359	0131	1111	0627	2400	1038	0101	0205	1805	0457	0004	0430																	
	0017	2400	2400	2311	0122	0002	1853	0126	2349	2249	0014	0003	2358	0110	0705																	
기온 평균 Average	-2.9	-1.8	0.4	2.5	2.2	3.3	2.3	0.0	-1.2	-3.3	2.4	0.6	-1.9	-1.1	-0.7	-0.8																
평균최고 Ave. Maximum	-0.4	0.6	-1.6	-0.1	-3.2	-1.1	0.5	-0.5	0.6	-1.8	-7.0	-9.5	-3.0	0.4	0.8	1.2																
평균최저 Ave. Minimum																-2.9																
온도	-1.7	-0.1	2.0	3.6	4.0	4.9	5.2	0.5	-0.2	-2.1	8.3	7.6	0.9	1.3	0.1	8.3																
최고 Highest	1.2	1.0	0.1	0.7	-0.6	0.5	0.9	0.4	1.0	0.6	-2.3	-3.8	-0.4	1.2	1.3	11일																
(°C)	0022	1835	2102	2103	1406	2400	0053	1633	0733	2358	2339	0112	1713	0723	2400																	
나타난 시간 Time	1639	1046	1740	1712	1741	2400	0619	2400	1332	1406	1604	2400	2356	0056	0812																	
최저 Lowest	-4.5	-3.8	-3.8	1.2	1.1	2.2	-0.3	-0.9	-2.7	-4.3	-2.4	-4.6	-4.6	-2.7	-2.7	-11.7																
Air Temp.	-3.2	-0.8	-3.5	-2.2	-6.1	-2.3	-0.3	-1.4	-0.4	-6.4	-11.7	-11.1	-4.7	-0.5	0.0	26일																
나타난 시간 Time	0952	2351	0002	0100	2200	1552	2345	2339	2356	1300	0126	2359	0146	2122	0941																	
	0420	2359	1033	2321	1100	0001	2340	0815	2358	2359	0421	0953	1154	0002	1324																	
평균습윤도(°C)	-7.6	-6.8	-5.3	-2.7	-3.5	-2.8	-3.3	-5.6	-7.8	-9.8	-4.2	-5.6	-8.6	-7.1	-7.5	-7.1																
Average Dewpoint Temperature	-6.4	-5.3	-8.5	-7.2	-10.5	-9.2	-5.7	-8.0	-4.7	-7.7	-13.6	-16.1	-10.9	-6.4	-6.0	-6.0																

일	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	11.0	0.0	0.0	4.3	0.0	5.8	2.3	0.0	1.4	0.0	3.5	0.1	0.2	0.5	0.0	99.5	
Total Precipitation	9.4	0.4	-	0.0	7.3	0.1	0.0	0.2	4.5	18.2	15.0	14.0	1.3	-	-		
상 평	91.	88.	91.	91.	91.	91.	91.	91.	90.	91.	91.	91.	91.	91.	91.	91.	
대	91.	91.	90.	91.	90.	88.	91.	89.	91.	91.	91.	91.	87.	91.	91.	91.	
습	90.	74.	86.	91.	81.	86.	90.	81.	80.	88.	74.	72.	87.	89.	81.	70.	
도	89.	87.	77.	81.	78.	78.	86.	77.	90.	86.	81.	75.	70.	82.	87.	28일	
(1*) 나타난 시간 Time	0757	1700	0700	0436	1406	0300	1056	2200	0700	2224	2338	0100	1700	0900	1600		
R.H.	1400	2200	1500	1100	1900	1100	2255	1600	0350	1400	1700	1745	1800	1800	1400		
바	14.2	4.8	6.0	11.5	10.9	11.1	6.4	1.4	9.9	10.5	10.2	9.5	8.0	5.9	5.2	8.5	
합성 풍향 Direction	ESE	S	NW	NNW	WNW	N	NNW	NW	ENE	E	N	ENE	ENE	ENE	W	NNW	
탑	28.1	15.2	13.7	25.0	26.4	22.1	17.3	5.7	21.1	19.7	21.6	23.3	17.9	16.5	12.7	33.7	
(m/s) 풍	14.9	19.3	8.9	17.3	18.1	18.8	25.4	16.1	18.6	33.7	32.1	29.3	22.0	27.0	19.0	25일	
향 Direction	E	SE	N	N	WNW	N	NNE	NNW	E	E	NNE	E	E	ESE	WSW	E	
Wind	0810	0006	1709	2312	0223	1006	0007	2318	2018	0011	0414	1518	0102	1136	2127		
나타난 시간 Time	0153	1056	2234	0739	2340	2146	0504	0626	0445	2118	0021	0003	2358	0005	2304		
구름(1/8)	8.0	3.4	8.0	8.0	7.0	7.8	7.2	8.0	8.0	7.6	6.4	7.8	5.8	6.0	7.6	6.4	
Average Amount of Cloud	7.2	4.4	3.8	5.0	5.4	7.0	6.2	7.6	8.0	7.2	7.0	6.8	5.4	4.6	0.6		
폭풍설 시작 시간 Start Time	0000																
Bliz-zard	1520																
계속 시간	1520																
Duration of Blizzard	1020 1525																
	1645 1900																
	0305 1025																
	1020 1525																
	4105																

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 4월

일	Date	오	소	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		0.0	0.0	0.0	18.3	28.1	22.6	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2		0.0	0.0	3.3	2.4	0.0	0.0	15.2	14.3	10.0	10.0	6.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3		13.7	3.5	4.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	11.6	11.1	11.9	0.0
4		25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	24.0
5		6.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4	26.4	18.8	19.9	0.0
6		22.1	18.6	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3
7		13.6	17.3	7.1	1.5	0.0	5.7	5.8	4.0	5.1	2.6	1.7	0.0	0.0	0.0	0.0	0.0	5.6	10.3	13.1
8		4.6	5.5	5.3	4.8	3.1	2.2	3.0	2.5	0.0	0.0	1.9	2.9	5.0	4.9	4.7	5.7	0.0	0.0	0.0
9		0.0	0.0	9.4	12.5	19.3	21.1	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10		0.0	0.0	15.3	18.8	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11		21.1	21.6	20.0	16.3	9.7	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6
12		18.5	14.6	19.8	22.0	23.3	15.6	8.1	6.3	6.3	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	9.8	17.4
13		0.0	11.4	13.8	14.9	17.9	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14		6.2	6.9	11.9	11.8	15.2	16.5	1.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	6.0
15		0.0	0.0	0.0	0.0	8.4	7.9	3.5	0.0	9.2	11.3	11.4	12.7	10.9	9.4	8.8	10.6	0.0	0.0	0.0
16		3.9	3.4	9.7	11.6	10.1	10.5	7.6	5.5	10.6	14.9	7.3	7.2	14.8	14.5	7.4	7.4	0.0	0.0	0.0
17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	5.1	9.2	17.2	19.3	12.9	6.6	0.0	0.0
18		5.1	4.6	4.3	4.0	1.6	1.5	2.1	7.7	3.5	8.0	4.8	5.4	8.3	8.8	8.9	7.3	0.0	0.0	0.0
19		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	17.3	14.3	11.1	16.1	14.1	13.5	0.0	0.0	0.0	0.0
20		5.5	3.6	3.7	15.3	13.6	9.6	5.3	4.5	10.0	4.6	18.1	13.1	8.6	5.3	4.3	7.8	0.0	0.0	0.0
21		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	15.8	18.1	18.8	16.5	0.0	0.0
22		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	25.4	19.8	0.0	0.0	0.0
23		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	16.1	12.2	15.0	14.4	15.0	0.0
24		0.9	0.8	2.6	2.6	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	4.1	4.7	14.8	18.6	0.0	0.0	0.0
25		7.7	10.8	20.8	25.4	33.7	3.1	4.2	0.0	0.0	2.0	2.4	4.8	4.5	1.5	0.0	4.6	0.0	0.0	0.0
26		14.4	13.8	11.5	22.7	31.2	32.1	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27		10.2	0.0	8.8	15.5	29.3	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	7.5	9.9
28		22.0	3.6	4.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	8.5	13.5	9.4	13.4	10.4	0.0
29		27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	16.3	16.7	14.5	19.4	0.0
30		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	16.2	19.0	18.1	15.1	0.0
월	Month	27.0	21.6	20.8	25.4	33.7	32.1	26.8	14.3	10.6	17.3	18.1	18.1	25.4	26.4	18.8	24.0	0.0	0.0	0.0

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 4월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		0	0	0	28	497	399	77	0	0	0	0	0	0	0	0	0	0
2		0	0	35	7	0	0	56	285	285	174	90	63	0	0	0	0	0
3		49	14	76	7	0	0	0	0	0	0	0	0	181	139	201	333	0
4		111	0	0	0	0	0	0	0	0	0	0	0	0	0	299	590	0
5		14	7	0	0	0	0	0	0	0	0	0	0	266	336	119	259	0
6		618	215	56	0	0	0	0	0	0	0	0	0	0	0	0	111	0
7		153	90	21	7	0	21	49	21	35	7	7	0	0	35	146	403	7
8		69	63	69	14	7	14	21	14	0	0	7	14	90	111	118	146	243
9		0	153	111	215	514	7	0	0	0	0	0	0	0	0	0	0	0
10		0	0	139	125	736	0	0	0	0	0	0	0	0	0	0	0	0
11		396	174	118	69	28	14	0	0	0	0	0	0	0	0	0	0	0
12		215	56	49	181	257	42	42	7	83	0	0	0	0	0	188	14	0
13		0	14	389	250	333	14	0	0	0	0	0	7	0	0	14	49	0
14		139	21	257	21	347	125	14	7	0	0	0	0	0	0	0	0	0
15		0	0	0	0	35	63	28	0	7	21	132	243	201	76	83	35	28
16		21	7	97	42	83	7	14	7	7	14	7	7	208	236	56	63	49
17		0	0	0	0	0	0	0	0	0	42	14	35	229	556	146	42	0
18		35	76	361	111	7	7	7	21	7	21	21	35	21	42	90	35	0
19		0	0	0	0	0	0	0	0	7	132	243	104	347	125	76	104	49
20		63	14	35	56	139	42	14	21	28	35	174	243	83	7	42	0	0
21		0	0	0	0	0	0	0	0	0	306	285	194	194	21	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0	132	660	208	0	0	0
23		0	0	0	0	0	0	0	0	0	0	42	486	125	125	160	63	0
24		7	7	56	14	0	0	0	0	28	0	0	0	7	42	111	653	76
25		56	56	257	188	181	28	7	0	0	7	14	28	90	7	0	14	69
26		194	111	56	69	292	118	118	0	0	0	0	0	0	0	0	42	0
27		14	0	56	63	632	76	0	0	0	0	0	0	0	7	76	76	0
28		243	7	174	56	0	0	0	0	0	0	14	167	118	42	21	146	14
29		49	0	0	0	0	0	0	0	0	0	0	56	458	181	222	35	0
30		0	0	0	0	0	0	0	0	0	0	0	28	438	222	299	14	0
월	Month	82	36	80	51	136	32	15	13	16	25	35	61	124	84	72	118	20

89251 남극 세종과학기지(KARP)

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요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Month																
기압 평균 Ave. Station	997	983	976	989	983	987	986	987	984	982	991	1003	1015	1011	998	988
최고 Highest	993	992	986	984	974	974	980	983	995	995	985	981	977	978	984	990
압 (hPa)	1001	991	986	992	990	992	991	988	986	986	995	1010	1017	1017	1005	1017
나타난 시간 Time	995	994	991	989	983	977	979	983	989	1001	1001	988	983	981	979	994
최저 Lowest	0902	0009	2400	1147	0008	2318	0002	0743	1447	2400	2357	2324	1703	0008	0010	14일
Air Press.	0108	0038	1249	0952	0001	1534	1219	2359	2359	0016	1829	0013	0352	1557	2359	0146
나타난 시간 Time	991	973	971	985	979	980	983	985	978	977	986	995	1010	1005	993	967
기온 평균 Average	991	984	978	976	968	967	977	977	989	986	983	978	974	975	978	985
평균 최고 Ave. Maximum	2400	2400	0408	2104	1645	0228	0918	2400	2400	0039	0028	0019	0006	2359	1944	21일
평균 최저 Ave. Minimum	1727	2357	2228	2359	2400	0248	2349	0007	0034	2359	2400	1919	1855	0500	0355	2352
온도 (°C)	1.3	2.4	-2.8	-9.1	-9.2	-8.0	0.1	1.4	0.0	-2.7	-5.0	-7.9	-8.1	-6.0	0.2	-2.1
최고 Highest	1.9	2.1	1.4	1.8	1.5	0.0	-3.5	-3.8	-1.1	-0.4	0.3	0.9	-0.2	-2.9	-7.5	-3.3
나타난 시간 Time	2.0	6.6	3.9	-6.7	-7.9	-5.1	3.7	3.1	1.8	0.4	-4.0	-4.5	-6.5	-2.3	2.2	6.6
최저 Lowest	3.5	3.7	3.1	5.9	3.5	1.9	-1.2	-1.4	0.0	0.8	0.8	1.5	1.2	-0.2	-4.4	0.2
Air Temp.	2339	1823	0300	0001	0859	2359	1520	1521	0042	0019	1848	0116	1810	2313	2228	2일
나타난 시간 Time	1201	0521	0026	1948	1929	0004	0223	1715	1835	2311	0832	1651	1504	0640	0310	2015
최저 Lowest	0.8	1.1	-6.9	-10.4	-10.0	-9.9	-5.1	-0.2	-1.4	-5.2	-7.0	-9.9	-9.2	-9.3	-2.4	-10.4
나타난 시간 Time	-0.6	0.4	0.4	0.8	-0.2	-1.3	-5.3	-5.4	-2.1	-1.5	-0.6	0.1	-1.6	-5.8	-9.9	4일
평균습점온도 (°C)	1129	1300	2359	1509	1812	0420	0003	1255	1453	2352	0522	1100	0700	0442	0008	0008
Average Dewpoint Temperature	2149	0005	0500	0341	1300	2400	2000	1340	0331	0451	1845	0100	2300	2248	1434	0118
습도	-4.6	-2.9	-7.0	-15.4	-15.3	-14.4	-5.0	-4.6	-5.9	-11.1	-14.3	-18.2	-18.4	-14.9	-6.5	-8.9
습도	-4.1	-4.1	-4.5	-4.4	-4.2	-7.0	-10.9	-10.5	-8.9	-7.1	-5.6	-4.5	-6.0	-11.1	-15.0	-10.7

1993년 5월

요소 Element	일 Date																															월 Month					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	26	27	28	29	30	31																
강수량(mm)	8.1	7.0	12.8	4.8	14.0	2.3	2.2	0.3	0.1	0.3	0.2	-	-	-	0.2	-	-	3.4	0.0	0.9	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82.5	
Total Precipitation	0.1	5.2	7.7	0.4	3.5	0.0	-	0.7	-	-	1.6	5.4	3.4	0.0	0.9	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
평 균 Average	91.	92.	93.	91.	91.	91.	91.	*	92.	88.	84.	80.	80.	89.	92.	90.	91.	93.	93.	87.	91.	90.	90.	90.	80.	89.	92.	90.	90.	90.	90.	90.	90.	90.	90.	90.	
최 소 Lowest	88.	91.	92.	91.	91.	91.	*	91.	89.	73.	63.	57.	59.	72.	82.	82.	82.	57.	59.	72.	82.	82.	82.	82.	82.	82.	82.	82.	82.	82.	82.	82.	82.	82.	82.	82.	82.
도 (1%)	0249	2137	2356	1515	1958	0442	*	2235	1743	1119	1055	0700	1700	0800	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300		
R.H.	0400	1600	1700	1948	2000	1400	0440	2300	0400	1113	1700	0035	2148	1700	0200	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300	0300		
평 균 24 hour ave.	11.0	12.1	11.0	15.7	14.2	12.8	11.0	4.9	8.3	13.8	6.0	9.0	7.6	5.6	5.2	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	
바 합성 풍 향 Direction	7.9	10.9	14.0	13.0	6.9	8.9	4.0	4.0	9.3	10.6	9.3	10.8	7.3	6.8	8.2	10.4	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	
람 순 간 최 대 Greatest Gust	17.7	27.6	22.5	34.9	31.3	26.3	26.2	13.7	20.7	25.3	19.5	20.2	14.8	14.2	29.4	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9		
(m/s) 풍 향 Direction	17.1	29.9	30.9	27.6	17.9	20.5	13.4	12.2	20.2	23.0	19.3	17.6	16.7	13.8	20.7	23.5	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	4일	
Wind 나타난 시간 Time	0046	2115	0036	1745	0108	2131	0709	2208	2320	1003	0025	1032	0009	2236	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415	1415		
구름(1/8)	0025	2357	0031	1943	0040	1106	1606	2354	0959	1349	0009	1726	1739	0647	1058	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447		
Average Amount of Cloud	8.0	8.0	8.0	8.0	8.0	7.4	5.4	3.4	7.0	3.0	7.0	0.0	4.0	7.8	7.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4		
폭풍설 시작 시간 Start Time	6.0	7.6	7.0	7.0	7.6	5.8	2.2	5.4	7.0	7.4	7.8	8.0	7.8	5.4	5.6	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0		
Bliz- zard 끝난 시간 End Time																																					
계 속 시 간 Duration of Blizzard																																					
폭풍설 시작 시간 Start Time																																					
Bliz- zard 끝난 시간 End Time																																					
계 속 시 간 Duration of Blizzard																																					

1993년 5월

요 소 Element	일 Date												월 Month			
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15
수평면일사량(0.001MJ/㎡)	1326	1026	1385	1172	1130	1650	1985	2309	1402	2173	739	2704	2277	1223	1773	41516
Hor. Global Solar Rad.	1284	1302	1093	1272	1132	1298	1519	1172	998	947	871	677	749	1035	1051	842
눈	13.0	9.0	4.0	13.0	32.0	35.0	39.0	33.0	32.0	30.0	29.0	28.0	27.5	26.0	23.0	
Max. Depth Snow Cover	19.5	18.0	16.5	12.0	11.0	10.5	10.0	9.5	9.0	9.0	9.5	7.0	8.0	8.0	12.5	14.0
눈	13.0	9.0	4.0	13.0	32.0	35.0	39.0	33.0	32.0	30.0	29.0	28.0	27.5	26.0	23.0	
Max. Depth Snow Cover	19.5	18.0	16.5	12.0	11.0	10.5	10.0	9.5	9.0	9.0	9.5	7.0	8.0	8.0	12.5	14.0
합 계 Total	-	-	0.9	9.9	25.0	10.0	11.0	0.0	0.3	0.8	0.5	-	-	-	0.3	75.5
최 심 Max. Depth Fall	-	-	-	-	-	0.0	-	1.0	-	-	2.5	0.0	4.1	0.0	6.2	3.0
나타난 날 Date	-	-	-	-	-	0.0	-	1.0	-	-	2.5	0.0	4.1	0.0	6.2	3.0
기상 현상	맑음 Clear															
기상 현상	개일 Partly Cloudy															
기상 현상	흐림 Cloudy															
기상 현상	눈 Snow															
기상 현상	비 Rain															
기상 현상	진눈깨비 Sleet															
기상 현상	안개 Fog															
기상 현상	박무 Mist															
기상 현상	유빙 Drift Ice (Marian Cove/Maxwell Bay)															
기상 현상	MC															
기상 현상	MB MC															
기상 현상	MC															
기상 현상	MB															
기상 현상	1															
기상 현상	10															
기상 현상	20															
기상 현상	16															
기상 현상	10															
기상 현상	3															
기상 현상	2															
기상 현상	11															

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 5월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	16.9	17.6
2	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	21.2
3	22.5	0.0	15.6	18.3	18.6	17.1	4.7	5.1	0.0	0.0	0.0	5.6	0.0	0.0	0.0	8.8	20.5
4	0.0	0.0	0.0	26.9	34.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	31.3	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	24.4	26.3	22.7	16.8	16.4	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	21.4	22.2	24.8	26.2	17.8	0.0	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	13.7	10.1	10.3	3.8	9.7	10.4	9.0	5.6	4.3	3.7	3.2	1.5	0.0	0.0	0.0	6.4	12.7
9	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.9	5.4	20.7	17.2	16.3	12.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.3	20.7	0.0	0.0	0.0	0.0
11	0.0	0.0	9.3	7.6	0.0	3.2	7.6	14.8	5.5	16.0	19.5	12.2	9.7	0.0	0.0	0.0	0.0
12	0.0	4.0	4.5	19.4	20.2	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	14.2	13.8	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	13.2	7.1	5.4	6.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2
15	29.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7
16	17.1	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	9.6	9.5	16.1	0.0
17	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	19.1
18	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	23.6
19	27.6	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	18.7	18.9	19.9	0.0
20	17.9	13.0	0.0	0.0	0.0	3.7	7.0	4.4	3.5	8.6	5.3	5.2	5.3	7.0	9.2	14.5	0.0
21	12.2	3.3	2.4	1.3	4.7	5.6	3.6	4.4	0.0	0.0	0.0	17.6	20.5	18.5	14.8	14.0	0.0
22	0.0	0.0	13.4	9.9	10.5	10.8	3.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	5.6	3.9	4.8	3.8	8.7	6.6	6.1	5.5	6.3	12.2	10.5	9.6	10.5	9.6	7.2	8.1	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	20.2	18.0	12.4	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	9.9	23.0	21.4	13.0	5.5	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	19.3	18.1	13.4	10.7	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	17.6	13.9
28	16.7	0.0	0.0	0.0	0.0	3.4	5.9	5.2	2.0	0.0	4.8	5.3	5.5	15.7	13.0	14.7	0.0
29	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	12.3	11.8	8.9	13.8	13.5	0.0
30	0.0	0.0	13.3	19.9	20.7	12.4	0.0	4.6	0.0	0.0	8.8	9.3	8.9	7.1	6.4	2.9	0.0
31	23.5	15.7	7.2	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	13.8	17.4	19.8	0.0
월 Month	30.9	24.9	24.4	26.9	34.9	23.0	16.4	19.8	6.3	16.0	20.3	25.3	23.0	21.4	19.2	23.6	0.0

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 5월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		0	0	0	0	0	0	0	0	0	0	0	0	0	63	465	472	0
2		361	0	0	0	0	0	0	0	0	0	0	0	0	0	104	535	0
3		133	0	70	154	399	7	7	7	0	0	0	7	0	0	7	210	0
4		0	0	0	56	944	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	465	535	0	0	0	0	0	0	0	0	0	0	0
6		0	0	35	514	389	28	21	14	0	0	0	0	0	0	0	0	0
7		0	69	236	215	278	160	42	0	0	0	0	0	0	0	0	0	0
8		271	69	56	21	49	125	139	56	63	35	28	7	0	0	7	69	7
9		118	0	0	0	0	0	0	0	0	21	35	14	174	215	167	257	0
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	93	17	0	8	17	17	51	161	280	186	169	0	0	0	0
12		0	28	70	218	655	28	0	0	0	0	0	0	0	0	0	0	0
13		0	0	0	535	458	7	0	0	0	0	0	0	0	0	0	0	0
14		507	76	49	201	56	0	0	0	0	0	0	0	0	0	0	111	0
15		980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0
16		472	83	0	0	0	0	0	0	0	0	0	0	21	97	181	146	0
17		615	0	0	0	0	0	0	0	0	0	0	0	0	0	55	330	0
18		396	0	0	0	0	0	0	0	0	0	0	0	0	0	194	410	0
19		250	48	0	0	0	0	0	0	0	0	0	0	48	89	282	282	0
20		326	69	0	0	0	7	14	0	14	28	21	14	7	28	104	368	0
21		35	7	14	7	21	63	21	14	0	0	0	0	292	160	118	222	21
22		0	0	208	271	340	139	14	7	0	0	0	0	0	0	0	0	21
23		21	21	28	49	21	188	90	76	76	35	56	56	174	35	21	42	14
24		0	0	0	0	0	0	0	0	0	35	306	597	63	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	14	42	479	347	76	42	0
26		0	0	0	0	0	0	0	0	0	0	0	28	306	465	167	35	0
27		0	0	0	0	0	0	0	0	0	0	0	0	0	118	799	83	0
28		153	0	0	0	0	7	14	14	7	0	0	7	42	188	382	181	0
29		42	0	0	0	0	0	0	0	0	224	294	147	91	28	175	0	0
30		0	0	160	104	354	7	0	0	0	35	174	125	14	14	7	0	0
31		243	49	42	28	0	0	0	0	0	0	0	0	7	139	396	97	0
월	Month	148	17	35	79	147	43	11	8	7	9	39	71	68	68	117	132	2

89251 남극 세종과학기지(KARP)

1993년 6월

요소 Element	일 Date																															월 Month
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																
기압 평균 Ave. Station	985	983	979	981	984	992	1005	1010	1019	1014	1010	1001	992	994	976	991																
최고 Highest	983	990	990	989	987	981	981	977	982	986	982	989	987	985	1001	1021																
압 (hPa)	991	992	991	992	990	988	987	980	989	990	986	991	991	998	1003	8/9일																
나타난 시간 Time	2257	0111	0237	2304	2359	2351	1624	2400	0224	0017	0719	0001	0002	1711	0001	9일																
최저 Lowest	2359	0650	1347	1604	0011	0147	1424	1256	2400	0529	2351	2359	0001	2400	1128	969																
Air Press.	973	976	976	979	982	986	999	1005	1018	1012	1007	994	991	989	969	15일																
나타난 시간 Time	0508	1543	1354	0004	0551	0120	0006	0120	2352	2354	2308	2400	0720	2354	1317	969																
	0439	1842	2400	0303	1016	2043	0001	0107	0014	2250	0701	0008	2400	0151	0004	15일																
기온 평균 Average	-2.4	-8.0	-12.3	-8.7	-8.2	-6.3	-1.7	-1.2	-1.4	-1.7	0.0	0.1	-0.1	-0.5	0.4	-3.6																
평균최고 Ave. Maximum	-1.3	-1.9	-1.4	-1.8	-1.5	-0.2	-2.1	0.0	-5.0	-7.0	0.3	-5.8	-5.1	-11.0	-12.4	-1.2																
평균최저 Ave. Minimum																-6.1																
온도	0.2	-3.5	-10.6	-6.4	-5.6	-4.1	0.0	0.3	-0.5	-0.4	1.0	2.5	1.4	0.3	1.7	2.5																
(℃)	0.0	-0.5	-0.6	-0.5	-0.6	0.5	-0.3	0.8	0.4	0.9	2.3	-3.9	-2.5	-1.4	-6.8	12일																
나타난 시간 Time	0148	0822	2204	1146	2328	2329	2251	0855	1943	2359	2256	0631	1858	2359	0337	12일																
최저 Lowest	0704	1914	2358	0358	0736	1314	0022	2136	0013	2324	0250	0200	2400	0154	2356	-16.6																
Air Temp.	-5.2	-13.9	-13.7	-11.4	-10.3	-10.0	-4.6	-5.4	-3.4	-2.2	-0.8	-2.4	-0.8	-1.5	-0.7	-16.6																
나타난 시간 Time	-2.4	-3.5	-2.3	-4.1	-3.4	-1.3	-2.9	-1.6	-11.4	-12.7	-4.6	-7.4	-6.3	-16.6	-15.9	29일																
	2200	2206	0124	0034	0725	0741	0036	2128	0002	0700	1900	1629	1300	1600	2100	29일																
	2330	0708	0829	1500	1846	0500	1927	0001	2000	0500	2400	0728	1100	2138	0004	29일																
평균추진온도(℃)	-10.5	-15.5	-18.8	-16.4	-17.1	-14.8	-9.4	-7.8	-7.9	-7.8	-5.6	-6.0	-5.6	-6.1	-5.8	-10.4																
Average Dewpoint Temperature	-8.5	-9.1	-8.1	-7.8	-7.8	-6.0	-8.8	-6.1	-12.5	-14.7	-6.5	-12.2	-11.9	-17.7	-20.0	-10.4																

요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
강수량(mm) Total Precipitation	0.1	23.8	2.8	0.0	-	0.0	-	-	0.0	0.3	0.0	-	5.4	0.0	4.3	65.9	0.0	0.1	-	0.2	0.0	0.4	1.6	0.3	2.3	0.0	2.2	0.4	1.0	20.7	0.0	
상 평 균 Average	88.	90.	92.	90.	85.	88.	90.	91.	91.	91.	91.	92.	92.	92.	93.	94.	91.	93.	91.	91.	92.	91.	91.	91.	92.	92.	92.	92.	92.	92.	92.	
습 소 Lowest	73.	69.	90.	75.	69.	74.	78.	81.	81.	81.	90.	91.	88.	91.	92.	92.	69.	88.	89.	89.	90.	87.	90.	82.	85.	79.	90.	88.	88.	83.	5일	
나타난 시간 Time (1%) R.H.	1600	0233	1000	1500	1700	1120	0600	2100	0100	0145	0038	0600	0333	0037	0155	2351	1200	0900	1737	1400	0017	1119	2256	1200	0800	0400	1900	1700	0600	1100		
바 평 균 24 hour ave.	11.0	12.4	14.4	6.8	4.2	7.5	9.2	7.9	7.8	7.7	6.5	2.9	4.6	7.8	15.6	8.3	12.7	8.6	3.5	4.4	4.6	10.5	8.4	10.8	10.3	8.2	6.2	8.2	5.8	13.4	5.8	
합성 풍 향 Direction	W	ENE	ESE	ENE	ENE	SW	WSW	WNW	WNW	WNW	NW	NNE	NW	NW	NW	ENE	WSW	WSW	W	WNW	WSW	WNW	WSW	ENE	ENE	ENE	ENE	SW	ENE	NNE	ENE	
람 순간 최대 Greatest Gust	17.6	30.3	27.7	19.5	15.7	15.8	20.1	21.8	15.9	12.6	11.0	9.7	12.9	19.9	26.9	30.3	24.1	20.5	14.5	11.4	11.0	20.6	16.7	20.7	21.7	24.6	14.9	20.9	15.1	24.9	18.2	
(m/s) 풍 향 Direction	NW	E	ESE	NNE	SW	WSW	SW	SSW	N	NW	NNW	NNW	NNW	N	N	E	W	WSW	WNW	NNW	NW	WNW	W	NNE	N	NE	NW	E	NE	E	ENE	
Wind 나타난 시간 Time	0244	1543	0623	0848	2344	0058	0743	1624	0418	1557	1719	0212	2312	2331	0206	0058	1334	2204	2259	0025	1916	0653	0018	0016	2001	0629	0421	2344	1200	0009		
구름(1/8) Average Amount of Cloud	6.2	8.0	7.2	6.6	2.6	6.2	6.0	4.0	7.6	7.6	7.8	4.6	7.6	7.0	7.2	6.5	6.8	7.0	7.0	5.2	1.4	8.0	8.0	7.0	6.0	7.0	7.6	6.8	8.0	4.6		
폭풍설 시작 시간 Start Time	1140																															
Blizzard	0840																															
끝난 시간 End Time	2140																															
계속 시간 Duration of Blizzard	1300																															
	4105																															

1993년 6월

요 소 Element	일 Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month	
수평면일사량(0.001MJ/㎡)	1020	719	718	1138	1159	1007	1081	856	802	860	867	1136	802	790	775	26689		
Hor. Global Solar Rad.	775	660	753	1065	904	720	867	710	952	776	862	919	934	982	1090			
적 설 최 심 Max. Depth Snow Cover	13.0	40.0	42.0	36.0	33.0	32.5	31.0	30.0	28.5	28.0	27.5	26.0	28.0	27.0	24.0			
신적설 합 계 Total	0.5	38.0	8.0	0.5	-	0.0	-	0.7	-	0.5	3.0	0.5	3.0	0.0	0.0			
최 심 Max. Depth Snow Fall	-	0.0	-	0.3	0.0	1.0	2.0	0.5	4.8	0.0	3.0	0.5	0.5	35.0	1.0			
날 Date																		
현 상	맑음 Clear																	
기	개	입	Partly Cloudy															
상	흐	림	Cloudy															
현	눈	Snow																
상	비	Rain																
상	진	눈	깨	비	Sleet													
Meteo. Phenomena	안	개	Fog															
박	무	Mist																
유	빙	Drift Ice																
(Marian Cove/Maxwell Bay)	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 6월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	17.4	16.9	17.1	17.6	0.0
2	6.7	7.1	11.3	9.0	30.3	27.3	0.0	0.0	0.0	0.0	0.0	11.6	11.8	6.8	6.9	5.5
3	0.0	0.0	0.0	14.6	23.8	27.7	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	19.3	19.5	8.5	13.8	9.3	7.4	7.1	6.5	6.7	8.2	7.2	5.0	0.0	5.3	7.7	6.6
5	0.0	3.9	7.4	6.3	5.9	4.5	3.7	0.0	0.0	0.0	15.7	14.7	6.7	0.0	0.0	0.0
6	4.2	4.2	6.5	6.1	10.7	9.9	13.5	11.6	13.3	13.6	14.5	15.8	9.9	7.0	7.4	0.0
7	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	19.8	20.1	19.2	14.5	16.0	14.7	10.3
8	8.8	6.9	13.4	12.3	14.8	14.2	0.0	0.0	17.9	21.8	6.7	15.1	16.4	14.1	12.5	10.8
9	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.1	15.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	10.6
11	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	10.8	10.6	11.0
12	9.7	8.1	4.4	5.6	7.1	7.3	5.0	6.3	5.8	2.8	3.0	2.9	1.4	3.8	3.7	9.7
13	8.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	7.6	10.6	12.9
14	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	12.1	13.5
15	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	26.4	16.8	16.1	18.6
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	21.0	20.2	24.1	23.1	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	12.1	20.5	17.9	0.0	0.0	0.0
18	4.8	5.4	7.5	2.1	3.2	3.1	5.9	6.3	10.1	10.1	7.7	8.6	5.4	14.5	8.0	5.5
19	0.0	2.1	4.1	2.0	3.3	4.4	4.9	5.9	6.5	3.6	6.6	7.5	9.9	8.3	10.0	11.4
20	6.3	2.2	3.4	3.9	3.9	4.7	6.1	8.1	7.8	6.6	5.4	8.6	10.3	9.4	11.0	10.4
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	20.0	20.6	12.9	9.0
22	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	16.7	12.2	11.8	14.8	13.8	14.8
23	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	12.8	18.9	19.9	15.6	20.7
24	0.0	0.0	0.0	12.4	17.5	14.1	12.1	0.0	0.0	0.0	0.0	12.7	21.7	17.3	0.0	0.0
25	0.0	24.6	20.5	15.7	11.4	10.9	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	14.9	12.3	11.2	13.0	12.5	13.8	3.8	5.3	6.0	6.1	0.0	3.7	5.5	10.5	10.7	10.6
27	0.0	13.6	20.9	16.2	17.7	15.8	3.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	6.3	7.7	6.3	5.9	2.2	2.8	3.9	12.4	12.7	13.6	15.1	6.8
29	0.0	0.0	19.6	20.6	24.9	15.9	0.0	12.8	11.2	11.1	10.2	11.5	13.3	14.6	13.9	15.7
30	5.4	14.2	18.2	16.9	15.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.5	5.9	5.1
월 Month	26.9	24.6	20.9	20.6	30.3	27.7	20.5	12.8	18.7	21.8	21.0	21.8	26.4	23.1	17.6	20.7

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

일 Date	1993년 6월																
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	63	21	132	14	451	139	0	0	0	0	21	361	389	35	194	0	0
3	0	0	0	21	194	722	63	0	0	0	0	35	56	49	28	14	0
4	97	236	49	139	153	69	49	63	14	56	49	7	0	0	0	0	0
5	0	7	257	326	111	28	7	0	0	0	14	208	42	7	7	7	0
6	7	7	35	49	97	21	7	14	7	56	354	257	49	7	35	0	0
7	0	0	0	0	0	0	0	0	7	167	222	236	146	139	56	28	0
8	21	7	56	42	90	21	0	0	21	56	14	21	257	181	139	76	0
9	104	0	0	0	0	0	0	0	0	0	0	0	0	410	257	229	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	792	208	0	0
11	28	0	0	0	0	0	0	0	0	0	0	0	7	42	361	563	0
12	104	56	76	42	42	118	14	35	42	21	21	21	7	28	42	160	174
13	35	7	0	0	0	0	0	0	0	0	0	0	7	63	424	347	118
14	167	0	0	0	0	0	0	0	0	0	0	0	0	167	340	326	0
15	215	0	0	0	0	0	0	0	0	0	0	0	0	14	160	160	0
16	0	0	0	0	0	0	0	0	0	0	0	14	438	14	160	160	0
17	0	0	0	0	0	0	0	0	0	49	194	563	167	28	0	0	0
18	76	28	14	14	7	28	28	0	0	83	188	472	257	0	0	0	0
19	0	7	35	7	14	35	69	83	28	14	49	49	69	167	63	49	97
20	28	7	14	21	42	49	42	83	69	35	7	35	215	49	160	194	63
21	0	0	0	0	0	0	0	0	0	0	0	14	280	580	112	14	0
22	7	0	0	0	0	0	0	0	0	118	271	181	90	153	97	83	0
23	14	0	0	0	0	0	0	0	0	0	0	21	375	493	63	35	0
24	0	0	0	0	0	0	0	0	0	0	0	56	333	63	0	0	0
25	0	153	278	451	76	28	14	0	0	0	0	0	0	0	0	0	0
26	424	56	69	90	97	56	21	28	42	28	0	7	7	21	35	7	14
27	0	7	465	194	264	28	14	14	0	0	0	0	0	0	0	0	0
28	0	0	0	0	42	69	208	90	7	7	14	14	194	236	69	28	21
29	0	0	0	0	0	28	0	7	7	14	21	63	83	14	28	49	0
30	63	76	556	76	28	7	0	0	0	0	0	0	7	56	83	35	14
월 Month	48	22	71	54	86	48	18	15	11	28	52	89	122	103	123	90	18

89251 남극 세종과학기지(KARP)

1993년 7월

요소 Element	일 Date																															월 Month
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																
기압 평균 Ave. Station	1001	1012	1015	1012	1008	1001	994	992	991	996	995	981	972	982	970	992																
기압 최고 Highest	979	986	990	998	1000	999	987	994	1000	984	976	977	985	990	988	997																
기압 최저 Lowest	1004	1018	1018	1014	1011	1004	996	993	993	998	998	991	984	989	978	1018																
나타난 시간 Time (hPa)	983	989	993	1000	1002	1002	992	1002	1003	993	980	980	997	1001	995	1002																
기압 최저 Lowest	2342	2306	0109	0002	0009	0002	0038	0520	2359	2225	0109	0005	2359	0742	2330	3일																
기압 최고 Highest	2353	2352	2400	1559	2359	0306	0026	2302	0456	0011	2330	0248	2359	0403	2400	0535																
기압 나타난 시간 Time	999	1004	1013	1011	1004	996	992	991	989	993	991	962	961	969	960	960																
기압 최저 Lowest	975	983	988	993	999	992	984	989	992	976	972	975	979	978	984	990																
기압 나타난 시간 Time	0150	0006	2351	2400	2400	2355	1838	1016	0636	0028	2400	2358	0104	2400	0701	15일																
기압 최저 Lowest	1051	0019	0934	0012	0736	2358	1125	0004	2329	2339	1153	1849	0016	1950	1327	2356																
기온 평균 Average	-6.2	-10.5	-4.5	-6.2	-4.9	-4.4	0.0	-0.6	-0.1	-1.9	-1.6	0.0	0.1	0.2	-1.2	-2.8																
기온 최고 Highest	-4.6	-5.4	-8.7	-9.5	-5.2	-2.8	-0.4	-1.8	0.6	0.0	-1.7	-1.6	-1.9	-0.7	-0.5	0.6																
기온 최저 Lowest	-5.3	-6.6	-3.2	-4.6	-3.6	-1.3	0.3	0.7	1.1	-0.9	0.8	1.3	1.3	1.1	0.5	3.6																
기온 나타난 시간 Time (°C)	-2.0	-4.5	-7.2	-5.6	-3.9	1.5	1.3	-1.0	2.9	1.6	0.3	-0.6	-0.5	0.6	1.9	3.6																
기온 최고 Highest	1153	0021	1427	1609	2214	2319	1425	0254	1427	0157	2028	1844	0156	1920	0404	2234																
기온 최저 Lowest	0813	0654	0403	2400	2339	2227	0622	1806	1722	0236	1142	1926	1445	1523	1110	2234																
기온 나타난 시간 Time	-7.1	-12.3	-8.5	-8.5	-6.1	-6.7	-1.4	-1.5	-1.2	-4.0	-4.0	-1.6	-0.9	-0.4	-3.1	-13.2																
기온 최저 Lowest	-9.1	-7.5	-11.0	-13.2	-6.3	-4.8	-1.9	-2.3	-2.3	-3.4	-3.2	-3.4	-3.6	-2.8	-2.4	-1.5																
기온 나타난 시간 Time	2000	2004	0003	1021	0600	1928	0002	2100	2321	2314	0015	1700	1500	1200	2357	19일																
기온 최저 Lowest	1916	2400	2400	0901	0909	0742	2400	2222	0120	2302	0503	0131	2000	0112	0820	0836																
평균습점온도(°C)	-13.3	-17.9	-11.6	-12.5	-11.0	-11.0	-7.4	-7.2	-6.5	-7.7	-8.4	-6.3	-6.6	-5.8	-8.4	-9.4																
Average Dewpoint Temperature	-11.3	-12.2	-15.1	-17.9	-12.9	-10.1	-6.6	-9.0	-6.0	-5.4	-7.7	-8.2	-9.0	-7.1	-6.5	-6.2																

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일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	1.5	-	-	-	0.0	0.0	0.0	4.6	0.0	-	-	0.7	1.5	1.6	1.2	28.3	
Total Precipitation	2.0	-	0.0	0.0	-	0.0	0.3	-	0.7	2.8	0.1	1.7	0.5	1.5	0.3	7.3	
평 균 Average	93.	91.	92.	91.	91.	92.	92.	92.	92.	91.	92.	92.	92.	91.	91.	89.	
대 소 Lowest	92.	92.	91.	87.	89.	88.	91.	81.	86.	92.	88.	79.	81.	84.	89.	75.	
습 도 (1*)	83.	76.	87.	87.	91.	88.	82.	78.	87.	90.	88.	88.	86.	90.	77.	42.	
나타난 시간 Time	1726	1600	1100	1700	2347	2000	0500	0327	1100	1500	2300	1800	1200	0100	1840	31일	
R.H.	0800	1123	2300	1028	0659	0820	1841	0629	1740	0052	2018	0105	2359	0244	2356	1144	
평 균 24 hour ave.	3.3	7.7	4.5	3.0	5.2	5.4	11.7	10.0	3.1	1.2	4.7	11.3	15.3	10.0	12.9	7.8	
합성 풍 향 Direction	6.0	4.0	5.9	4.7	5.5	7.4	10.1	6.6	13.0	11.4	6.8	7.6	11.3	11.4	9.1	11.8	
순 간 최 대 Greatest Gust	9.3	19.2	11.9	8.4	10.2	15.4	22.8	21.7	14.4	5.1	14.4	33.7	29.2	18.2	27.1	33.7	
(m/s) 풍 향 Direction	15.1	10.3	11.2	16.4	11.3	16.7	20.3	14.8	25.4	29.3	18.1	15.1	24.8	25.1	20.2	26.2	
Wind 나타난 시간 Time	0141	1351	0720	1338	2054	2339	0907	1019	0114	1422	1853	2253	1600	1953	0940	0940	
	0959	2306	2335	0440	0659	2343	0242	0337	1717	0335	1152	0813	1919	1517	2000	2347	
구름(1/8)	7.4	1.2	6.8	1.4	7.4	4.0	7.0	8.0	6.6	4.0	5.2	8.0	4.6	8.0	5.8	5.8	
Average Amount of Cloud	6.4	2.6	5.8	2.2	7.2	6.8	6.4	3.2	7.6	5.6	5.8	7.0	3.6	8.0	7.6	7.8	

폭풍설 시작 시간 Start Time
 Bliz- 끝난 시간 End Time
 zard
 계속 시간 Duration of Blizzard

현상없음(NO OCCURRENCE)

1993년 7월

요 소 Element	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month	Month														
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	963 1335	1218 1504	970 1076	1512 1516	775 1018	1060 1632	956 1334	996 1717	1052 1819	1253 1557	931 1806	977 1914	951 1808	905 1818	1302 1752	1705	41132															
눈 Snow (cm)	적 설 최 심 Max. Depth Snow Cover		26.0 26.0	24.0 24.0	23.0 24.0	23.0 23.0	22.0 22.0	26.0 20.5	24.0 18.0	24.0 19.5	23.0 19.5	24.0 22.0	24.0 23.0	25.0 25.0	26.0 22.0	15.0	33.5															
	신적설 합 계 Total		3.0 5.2	- 0.0	0.0 0.0	- 0.0	0.0 1.0	0.0 -	6.5 -	0.0 -	2.5 0.3	- 0.3	1.5 2.5	2.0 1.0	3.0 3.0	- 0.0	0.0	6.5 8일														
기 상 현 상 Meteo. Phenom ena	최 심 Max. Depth Fall 나타난 날 Date																2															
	맑 음 Clear			v														2														
안 개 현 상	개 임 Partly Cloudy					v											12															
	흐 림 Cloudy		v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	17														
상 현 상	눈 Snow		v		v		v	v	v									19														
	비 Rain		v	v	v	v	v	v	v									9														
상 현 상	진 눈 개 비 Sleet			v														4														
	안 개 Fog					v												0														
박 유 (Marian Cove/Maxwell Bay)	무 mist		v	v	v	v	v	v	v	v	v	v	v	v	v	v	21															
	빙 빙 Drift Ice		MC	MB/MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC													

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

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요소 일	Element Date	N	북	NNE	북동	ENE	동	E	동남동	ESE	남동	SE	SSE	남	S	남남서	SSW	SW	서남서	WSW	서	WNW	북서	NNW	북북서	
1		9.3	8.8	6.5	5.2	3.9	3.7	3.3	0.0	0.0	0.0	4.6	3.8	0.0	2.8	4.9	5.1	5.5								
2		0.0	0.0	0.0	19.2	18.5	18.8	6.0	5.2	2.7	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3		5.4	6.2	6.4	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	11.8	11.9	10.0	6.9	8.4								
4		6.3	3.9	4.2	5.2	8.4	8.1	5.4	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	7.9	7.9							
5		6.9	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	10.2	8.8	8.9							
6		10.4	15.4	6.6	0.0	0.0	1.3	6.4	5.5	4.4	2.4	4.1	0.0	8.1	9.9	9.0	9.0									
7		0.0	22.8	18.5	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8		0.0	0.0	20.8	21.7	18.8	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9		3.2	5.2	13.2	10.8	8.3	13.6	14.4	1.6	2.6	2.1	3.8	4.9	1.9	0.0	4.2	4.9	5.1								
10		4.6	3.3	2.4	4.0	3.0	3.3	2.3	2.7	1.5	3.3	2.1	3.5	2.0	4.2	4.9	5.1									
11		14.4	12.5	9.4	6.0	5.4	8.2	7.5	0.0	1.3	1.3	1.9	0.0	0.0	0.0	2.0	2.0									
12		33.7	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	16.9	15.8	22.6								
13		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	29.2	27.9	22.2	22.7								
14		18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	17.6	16.6	13.3								
15		18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	27.1	22.0	15.4	17.7								
16		3.6	4.9	2.6	9.5	15.1	14.3	12.7	3.8	1.6	0.0	0.0	0.0	14.3	14.0	12.8	11.4	6.3								
17		0.0	5.5	6.7	5.6	8.1	10.3	6.0	5.0	3.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18		0.0	0.0	0.0	0.0	11.1	11.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19		4.1	4.0	8.4	16.4	10.8	1.9	1.4	0.0	0.0	0.0	0.0	0.0	8.8	7.4	5.2	5.5	5.8								
20		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	10.6	11.3	8.7	8.0	0.0								
21		16.7	15.4	11.6	9.0	5.9	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	13.2	11.6									
22		20.3	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	14.3	10.4	15.6								
23		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	14.8	11.9	8.2	9.1								
24		25.4	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8								
25		29.3	5.5	5.4	4.9	0.0	0.0	0.0	0.0	4.7	4.2	0.0	11.1	11.4	9.8	8.5	12.6									
26		17.8	3.4	3.7	0.0	0.0	0.0	7.3	5.6	0.0	0.0	0.0	0.0	13.0	14.6	9.2	13.2	14.1								
27		15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	13.0	12.6	18.1								
28		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	24.8	23.5	16.9	14.9	16.5	15.4						
29		25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	17.9	20.0	16.9	19.6								
30		14.2	8.6	11.6	0.0	7.3	6.0	4.9	0.0	0.0	0.0	0.0	0.0	18.2	20.2	18.6	15.1									
31		23.9	19.4	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.6	0.0	17.8	16.0	8.6	26.2									
월	Month	33.7	22.8	20.8	21.7	18.8	18.8	14.4	5.6	4.7	6.5	24.8	26.6	29.2	27.9	22.2	26.2									

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 7월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	경은 CLM	
1	285	146	56	132	90	63	7	0	0	42	0	14	28	35	63	21	
2	0	0	0	97	458	333	49	42	7	7	0	0	0	0	0	7	
3	28	49	56	35	0	0	0	0	0	28	111	208	139	167	181	0	
4	21	35	181	90	83	69	28	21	7	0	0	0	28	160	222	56	
5	222	7	0	0	0	0	0	0	0	0	0	28	236	292	215	0	
6	139	56	7	0	0	7	76	35	21	7	0	14	174	326	132	0	
7	0	438	500	63	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	167	340	396	97	0	0	0	0	0	0	0	0	0	0	
9	28	21	111	181	146	90	63	21	35	14	7	21	0	49	132	76	
10	35	28	56	63	42	35	14	49	21	28	56	7	35	97	104	306	
11	215	69	319	111	83	69	35	0	7	14	7	0	0	7	7	56	
12	590	28	0	0	0	0	0	0	0	0	0	21	139	139	83	0	
13	0	0	0	0	0	0	0	0	0	0	7	569	264	104	56	0	
14	410	0	0	0	0	0	0	0	0	0	35	215	125	215	0	0	
15	104	0	0	0	0	0	0	0	0	153	458	83	14	188	0	0	
16	7	21	21	42	153	250	111	28	7	0	14	139	42	63	28	76	
17	0	7	76	83	215	361	215	21	14	7	0	0	0	0	0	0	
18	0	0	0	0	292	674	35	0	0	0	0	0	0	0	0	0	
19	7	14	139	299	132	7	7	0	0	0	194	14	56	69	35	28	
20	0	0	0	0	0	0	0	0	0	74	500	294	103	29	0	0	
21	174	90	97	42	21	42	0	0	0	0	0	0	146	319	63	7	
22	264	90	0	0	0	0	0	0	0	0	63	174	208	201	0	0	
23	0	0	0	0	0	0	0	0	0	90	472	188	160	90	0	0	
24	729	35	0	0	0	0	0	0	0	0	0	0	0	0	236	0	
25	646	28	69	7	0	0	0	14	7	0	21	21	49	35	69	35	
26	83	35	28	0	7	0	14	7	0	0	7	69	278	229	229	14	
27	42	0	0	0	0	0	0	0	0	118	354	257	56	319	403	0	
28	0	0	0	0	0	0	0	0	7	118	354	257	90	111	63	0	
29	181	0	0	0	0	0	0	0	0	69	125	118	174	333	0	0	
30	83	7	7	0	21	7	7	0	0	0	63	299	278	222	7	7	
31	146	56	0	0	0	14	0	0	0	7	0	181	76	63	458	0	
월 Month	143	41	61	51	69	68	22	7	4	3	10	51	104	97	115	130	22

89251 남극세종과학기지(KARP)

1993년 8월

요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월 Month
기압 평균 Ave. Station	986	995	998	989	983	984	977	984	998	1004	1009	1006	992	987	975		986
최고 Highest	989	969	973	992	985	978	988	992	987	988	980	963	967	983	992	984	993
나타난 시간 Time (hPa)	991	1001	1001	994	986	988	979	992	1004	1008	1010	1010	998	992	984		1010
최저 Lowest	993	985	986	996	994	987	994	992	989	987	970	975	990	993	1001	1001	11/12일
기압 Press.	0010	2333	0223	0003	0011	1710	0001	2400	2114	2331	2357	0042	0013	0631	2400		0033
기온 Air	1249	0005	2400	1548	0059	2400	1414	0017	1348	0104	0003	2359	2346	2347			0033
최저 Lowest	982	989	993	986	980	978	974	976	992	1002	1007	998	988	976	971		958
나타난 시간 Time	984	958	964	986	973	972	987	983	985	970	959	962	975	990	993		984
기온 Press.	1114	0005	2343	2353	2003	2359	0231	0043	0019	0833	0028	2359	1526	2400	1254		17일
평균 Average	0013	1949	0004	0010	2400	0244	0023	1932	0008	2400	1339	0043	0001	0004	0226		1934
기온 평균 Average	1.2	-0.4	-0.2	-0.5	-0.5	-1.2	-1.0	-2.1	-4.1	-5.7	-5.4	-2.3	0.1	0.1	-1.0		-3.2
최고 Ave. Maximum	-0.9	-2.0	-5.5	-2.8	0.3	-6.2	-5.0	-2.2	-3.3	-2.7	-2.0	-11.7	-12.2	-9.1	-6.4		-4.9
최저 Ave. Minimum																	
기온 온도 (°C)	3.9	0.3	0.9	0.9	0.5	-0.1	1.1	-0.5	-2.5	-4.2	-4.2	0.9	1.4	1.5	0.1		3.9
최고 Highest	1.7	2.4	-2.3	0.1	2.1	1.0	-1.9	-0.8	-1.8	-0.5	0.8	-4.6	-10.1	-6.5	-4.2		1일
나타난 시간 Time	0503	1231	1832	1205	2021	2344	0315	0042	0955	1545	2322	1934	1039	1317	0009		0.2
최저 Lowest	2258	1314	1730	2103	1555	0120	1756	1308	1710	2230	0411	0100	0759	2225	1800		2120
기온 Air Temp.	-1.1	-1.9	-0.9	-1.4	-1.7	-2.3	-2.3	-4.9	-5.8	-8.6	-6.2	-5.0	-0.9	-0.8	-1.9		-15.7
나타난 시간 Time	-1.9	-8.6	-9.3	-4.0	-0.7	-7.8	-7.7	-4.8	-4.7	-4.8	-7.5	-15.7	-14.1	-14.3	-8.2		-8.7
기온 Air Temp.	2330	0330	2023	2344	1344	1300	2111	2114	2303	1102	0159	0836	1917	0600	0900		27일
평균 Average	2000	2216	1014	0141	0100	2351	0002	0245	0745	0443	1831	1207	0106	0239	0040		0124
평균습점온도 (°C)	-4.5	-6.7	-6.8	-6.4	-7.4	-8.4	-6.9	-9.1	-11.1	-12.8	-12.0	-9.9	-6.0	-6.2	-7.3		-10.2
평균 Dewpoint Temperature	-8.7	-8.0	-12.3	-10.7	-5.7	-12.5	-12.3	-9.8	-11.6	-9.3	-8.2	-19.0	-20.2	-18.4	-15.0		-13.1

1993년 8월

요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
강수량(mm)	14.5	0.2	0.7	0.6	0.5	3.6	0.2	-	-	-	-	0.1	5.0	3.2	5.7	68.5																
Total Precipitation	0.9	12.8	0.8	0.0	1.4	9.7	-	-	-	1.2	2.3	4.7	0.2	0.0	0.0	0.2																
평 균 Average	92.	88.	86.	90.	75.	81.	88.	72.	77.	79.	84.	69.	87.	90.	91.	85.																
최 소 Lowest	59.	68.	47.	68.	55.	49.	58.	44.	54.	58.	62.	49.	60.	65.	82.	44.																
도	52.	88.	75.	77.	88.	90.	84.	75.	73.	88.	62.	59.	67.	62.	60.	58.	8일															
(1%) 나타난 시간 Time	0906	1111	1832	1447	1515	2045	2358	1306	1817	0340	2320	1932	0321	1725	1113																	
R.H.	1209	1400	1600	1141	1900	0226	2200	2200	1600	0100	2336	0423	2341	0740	0921	1956																
평 균 24 hour ave.	11.7	8.7	8.3	7.2	5.8	8.6	9.4	5.0	3.3	2.7	6.8	10.7	12.8	9.7	7.8	8.0																
합성 풍 향 Direction	7.3	11.2	6.7	7.9	9.1	11.3	6.6	11.6	6.5	9.8	9.3	11.2	5.7	6.4	4.2	4.4																
순 간 최 대 Greatest Gust	29.1	18.0	16.0	14.6	16.1	27.6	30.5	11.9	12.6	6.6	11.8	24.7	29.6	20.7	17.2	30.5																
(m/s) 풍 향 Direction	20.5	25.3	17.8	17.3	19.6	21.0	16.5	23.2	12.3	16.0	22.1	24.5	15.6	14.2	9.6	18.2																
Wind 나타난 시간 Time	1100	1345	0954	0102	1922	2355	0111	1621	1000	1533	2058	2346	0248	1732	0139																	
	2117	1751	2040	0102	1545	0247	2300	0507	1506	1020	1831	0756	0020	0623	1920	1924																
구름(1/8)	8.0	7.8	5.4	5.8	6.8	5.8	5.4	5.0	3.8	6.0	4.6	6.2	5.4	4.6	6.6	6.1																
Average Amount of Cloud	6.6	8.0	5.8	7.2	8.0	8.0	8.0	6.6	6.2	2.4	7.2	6.2	6.8	6.4	2.6	8.0																
폭풍설 시작 시간 Start Time	1520																															0545
Blizzard	2120																															1115
계속 시간 Duration of Blizzard	0600																															0530
																																2140

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 8월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 WSW	서 W	서북서 WNW	북북서 NNW			
1	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	14.1	29.1		
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	15.5	15.8		
3	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	14.0		
4	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.4	8.4	12.0		
5	16.1	12.9	10.4	3.1	0.0	0.0	5.3	4.3	5.6	6.6	0.0	3.7	3.4	6.4	13.1	
6	12.7	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	13.0	12.7	13.3	12.7	
7	28.7	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	13.2		
8	11.7	9.8	6.2	7.1	11.2	11.9	3.9	4.5	0.0	0.0	0.0	0.0	0.0	8.0		
9	0.0	0.0	1.7	2.4	4.6	6.5	6.5	7.8	12.2	12.6	2.3	0.0	0.0	0.0		
10	5.3	3.1	4.6	4.9	5.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	5.9	6.0	6.6	
11	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	11.8		
12	24.7	19.4	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7		
13	29.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	13.5		
14	20.7	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	14.2	12.4		
15	17.2	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	11.6	14.7	11.6	11.3	13.1	
16	20.5	18.9	15.4	8.9	8.7	0.0	6.6	0.0	0.0	12.0	7.0	13.8	13.5	5.1	14.0	
17	15.2	14.1	6.8	16.8	25.3	23.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	14.6		
18	10.1	4.4	11.1	13.1	9.8	14.8	10.8	0.0	6.9	17.8	15.7	14.3	6.0	0.0	10.3	10.2
19	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	17.1	17.3	8.9	9.8	10.8	13.1	
20	19.6	16.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	9.0	14.4	
21	0.0	0.0	0.0	18.0	19.8	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	4.4	3.1	0.0	11.6	11.3	6.7	5.1	0.0	0.0	0.0	16.5	14.9	12.3	5.4	4.5	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	21.3	21.8	0.0	0.0	0.0
24	4.9	4.8	1.3	0.0	0.0	0.0	0.0	4.7	7.5	8.8	9.2	10.8	12.3	11.7	9.8	0.0
25	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	16.0	14.4	0.0
26	20.1	7.3	13.6	13.9	20.0	22.1	7.7	0.0	5.2	0.0	7.3	4.4	13.8	9.1	12.7	17.3
27	0.0	0.0	21.8	20.1	24.5	18.0	0.0	0.0	0.0	0.0	14.7	18.3	17.7	11.5	15.1	0.0
28	6.3	5.1	15.5	15.6	11.8	9.4	10.7	7.7	0.0	0.0	12.8	9.8	8.3	9.5	6.4	6.7
29	3.2	2.1	0.0	4.8	7.1	7.8	5.0	7.1	10.4	13.4	13.1	14.2	10.7	5.4	0.0	0.0
30	0.0	0.0	3.1	3.1	4.6	5.0	4.3	9.6	9.1	8.2	4.7	8.6	8.2	5.8	0.0	0.0
31	11.7	18.2	6.2	4.4	5.8	5.0	6.1	5.7	4.6	0.0	0.0	0.0	0.0	10.2	13.3	0.0
월 Month	29.6	30.5	21.8	20.1	25.3	23.5	10.8	9.6	12.2	17.8	17.1	23.2	21.3	21.8	16.0	29.1

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 8월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1	북	236	0	0	0	0	0	0	0	0	0	0	0	0	181	236	347	0
2	북	0	0	0	0	0	0	0	0	0	0	0	0	0	160	715	125	0
3	북	153	0	0	0	0	0	0	0	0	0	0	0	0	125	722	0	0
4	북	521	0	0	0	0	0	0	0	0	0	0	14	35	132	299	0	0
5	북	215	97	35	7	0	0	7	14	14	14	21	0	7	28	28	500	14
6	북	125	201	0	0	0	0	0	0	0	0	0	14	229	69	56	306	0
7	북	382	97	0	0	0	0	0	0	0	0	0	0	0	0	49	472	0
8	북	271	21	146	90	292	132	14	14	0	0	0	0	0	0	0	14	7
9	북	0	0	7	21	160	174	167	104	125	132	28	0	0	0	0	0	83
10	북	83	14	118	215	167	28	0	0	0	0	0	0	0	63	132	174	7
11	북	333	0	0	0	0	0	0	0	0	0	0	0	0	0	188	479	0
12	북	806	90	14	0	0	0	0	0	0	0	0	0	0	0	0	90	0
13	북	674	0	0	0	0	0	0	0	0	0	0	0	0	0	250	76	0
14	북	521	28	0	0	0	0	0	0	0	0	0	0	0	83	215	153	0
15	북	104	14	0	0	0	0	0	0	0	0	56	35	306	264	90	132	0
16	북	167	132	21	14	14	0	28	0	0	0	7	7	417	76	42	76	0
17	북	250	76	28	42	236	125	14	0	0	0	0	0	0	0	0	229	0
18	북	14	35	69	69	42	188	56	0	14	90	208	146	7	42	132	167	0
19	북	56	0	0	0	0	0	0	0	7	0	0	0	0	0	21	521	0
20	북	438	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	북	0	0	0	42	833	125	0	0	0	0	0	0	0	0	0	0	0
22	북	28	21	0	83	181	63	35	0	0	0	0	132	208	160	42	35	14
23	북	0	0	0	0	0	0	0	0	0	0	0	257	521	222	0	0	0
24	북	28	7	7	0	0	0	0	14	42	21	76	174	278	299	56	0	0
25	북	208	0	0	0	0	0	0	0	0	0	0	0	0	83	486	222	0
26	북	451	7	14	35	69	49	7	0	14	0	14	7	49	56	49	181	0
27	북	0	0	229	264	271	14	0	0	0	0	0	7	63	83	35	35	0
28	북	7	7	119	315	217	161	63	21	0	0	14	35	14	7	7	14	0
29	북	14	7	0	14	83	104	28	35	56	153	132	333	28	14	0	0	0
30	북	0	0	7	7	42	69	28	69	146	153	69	174	181	56	0	0	0
31	북	151	66	198	104	57	57	66	28	28	0	0	0	0	85	132	28	0
월	Month	202	30	31	42	86	41	16	9	13	23	26	46	74	64	111	181	5

89251 남극세종과학기지(KARP)

1993년 9월

요소 Element	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	31	Month
기압 평균 Ave. Station	986	992	1010	1011	999	985	981	987	969	985	974	974	974	954	967	988		983
최고 Highest	1001	998	987	994	988	981	981	974	991	976	977	969	969	966	975	974		1013
나타난 시간 Time (hPa)	1005	1000	997	1001	997	985	987	980	996	990	983	985	985	957	978	996		3/4일
최저 Lowest	2312	2359	2245	0152	0002	0022	2326	1157	0004	1626	2329	0421	2359	2400	2345			4일
기압 Air Press.	1748	1627	0001	1823	0006	2400	0641	2359	1655	0004	0516	0326	2356	2333	0043			950
나타난 시간 Time	996	995	982	984	976	976	973	968	980	972	969	959	958	973	970			13일
기온 평균 Average	1501	0443	0001	2313	2325	2400	0332	2358	0941	0019	0759	2400	0251	0003	0003			0003
평균최고 Ave. Maximum	0009	0702	1828	0018	2344	0005	1735	1606	0003	1048	2114	2358	0221	1017	1558			1558
평균최저 Ave. Minimum	-1.0	-2.0	-2.5	-3.3	-0.7	0.6	-1.2	-1.3	-0.6	-2.6	-0.2	0.1	-2.5	-4.9	-7.0			-3.0
온도 (°C)	-5.2	-7.3	-2.7	-8.6	-2.3	-1.3	-0.9	-1.5	-4.3	-1.0	-1.4	-5.4	-9.8	-4.9	-2.9			-0.7
최고 Highest	-0.7	-1.0	0.2	-2.0	1.6	1.7	0.1	0.8	1.3	1.4	1.4	1.5	1.1	-3.0	-5.5			1.7
나타난 시간 Time	-1.3	-0.7	-0.7	-4.3	-0.6	0.0	0.8	-0.2	-1.9	0.9	0.0	-2.0	-6.1	-1.7	-1.1			6일
최저 Lowest	1756	0349	1555	1557	1630	1652	0009	2359	0621	2400	0003	2318	0006	1319	2359			1727
나타난 시간 Time	2358	0637	1557	2239	2219	1804	1924	0125	2114	0750	1843	1411	2328	1845	1727			1727
기온 Air Temp.	-1.6	-4.1	-4.7	-5.6	-3.3	-0.1	-3.1	-2.6	-2.7	-6.0	-1.1	-0.9	-5.5	-7.1	-7.9			-13.1
나타난 시간 Time	-7.2	-12.6	-8.4	-13.1	-6.0	-1.9	-2.3	-5.1	-6.7	-2.5	-4.3	-10.2	-12.4	-7.1	-5.8			19일
평균습점온도(°C)	2334	2059	1118	1145	0628	0200	2139	0001	1829	0429	1140	0700	2327	2224	1137			1137
Average Dewpoint Temperature	1003	1207	0002	1206	0014	2314	0329	2400	0409	0024	2400	2400	0500	0622	0009			0009
평균습점온도(°C)	-7.3	-8.9	-9.9	-9.9	-7.6	-5.2	-8.5	-9.4	-6.6	-9.2	-6.6	-5.9	-8.5	-12.1	-14.8			-10.0
Average Dewpoint Temperature	-13.5	-13.4	-9.1	-16.1	-9.4	-9.0	-7.8	-8.6	-12.9	-7.4	-7.7	-13.7	-17.9	-13.8	-10.7			-10.7

1993년 9월

일 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	0.1	-	-	-	0.6	1.2	3.0	0.5	9.6	0.2	5.3	0.4	5.7	3.4	1.3	55.9	
Total Precipitation	2.1	4.9	0.3	0.5	1.1	0.0	1.2	3.0	-	1.3	2.4	6.4	1.4	-	-		
평 균 Average	92.	91.	90.	91.	92.	92.	92.	89.	91.	91.	93.	92.	91.	91.	91.	89.	
최 소 Lowest	88.	91.	91.	90.	90.	91.	92.	91.	86.	91.	92.	85.	80.	63.	82.	82.	
도 (1%)	89.	89.	77.	89.	87.	90.	81.	81.	89.	87.	90.	88.	89.	82.	78.	49.	
나타난 시간 Time	72.	90.	89.	73.	76.	82.	83.	84.	72.	82.	89.	69.	49.	50.	59.	28일	
R.H.	2300	2300	1600	1727	1600	1700	2300	0400	0900	2200	2026	2100	0100	1900	1810		
	1600	1740	0131	1700	0500	1900	0100	2300	0940	0100	0800	0600	2346	0011	2347		
평 균 24 hour ave.	7.1	6.7	3.0	3.6	13.7	14.6	12.1	9.9	9.1	5.9	13.5	8.1	7.3	5.5	6.4	9.0	
합성 풍 향 Direction	9.4	10.1	6.9	8.9	8.5	10.3	10.2	12.1	11.4	6.1	9.3	14.3	12.0	6.9	8.5	WNW	
순간 최대 Greatest Gust	W	NE	NW	ENE	W	WSW	WNW	WNW	WNW	NW	NNW	NNE	NW	W	SW	W	
(m/s) 풍 향 Direction	14.4	14.5	12.6	11.0	35.7	26.8	20.9	23.5	21.4	27.2	33.3	20.0	15.2	14.2	13.7	35.7	
Wind 나타난 시간 Time	16.9	24.7	13.5	21.2	20.4	23.9	30.7	22.2	23.4	20.8	18.4	29.8	21.3	16.6	17.7	5일	
	WNW	SSW	SSW	NW	N	WNW	NNE	N	N	N	N	N	E	E	E	N	
	WSW	ESE	NNW	ENE	WSW	N	WSW	WSW	WSW	NE	NNW	NNW	SSW	SW	WSW		
Average Amount of Cloud	2129	2357	0001	1828	1919	1701	0908	2329	0018	2354	0255	1453	2158	2134	0033		
폭풍설 시작 시간 Start Time	0542	0810	0554	0954	2340	0721	1355	2103	0419	0428	1747	1326	1938	0024	1445		
	6.8	6.6	3.4	3.4	7.4	8.0	3.6	5.8	8.0	7.2	6.6	8.0	8.0	8.0	7.2	6.4	
Average Amount of Cloud	7.0	6.8	8.0	5.4	6.6	5.8	7.0	5.8	4.6	8.0	8.0	5.8	5.6	2.0	6.6		
폭풍설 시작 시간 Start Time	0710															1710/1900	
Blizzard 끝난 시간 End Time	1250															1740/1950	
계속 시간 Duration of Blizzard	0540															0030/0050	
																0700	

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요 소 Element	일 Date																															월 Month
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	3432	3593	6130	8897	4713	3176	5670	6499	2345	4692	7014	3475	4024	5247	4950	179604																
	5972	6340	4689	7760	4659	7926	4492	6740	11046	4594	4563	6774	8255	14332	7605																	
적 설 최 심 Max. Depth Snow Cover	42.0	42.0	41.0	40.0	37.0	33.0	32.0	31.0	38.0	37.0	45.0	46.0	53.0	59.0	62.0																	
	67.0	73.0	74.0	75.0	77.0	75.0	73.0	76.0	75.0	78.0	81.0	90.0	93.0	92.0	92.0																	
신뢰성 합 계 Total	0.0	-	-	-	0.5	0.0	3.0	0.8	8.1	0.5	10.0	1.0	13.0	6.5	2.8	91.4																
최 심 Max. Depth Snow Fall	5.0	8.5	1.5	2.0	3.5	0.0	0.7	4.0	-	3.0	3.0	10.5	3.5	-	-	13.0																
나타난 날 Date																13일																
기상 현상 Meteo. Phenomena	맑음 Clear															2																
	개임 Partly Cloudy															10																
	흐림 Cloudy															19																
	눈 Snow															20																
	비 Rain															2																
	진눈깨비 Sleet															6																
	안개 Fog															2																
	박무 Mist															9																
	유빙 Drift Ice (Marian Cove/Maxwell Bay)															MC																

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 9월

요소 일 Date	북 N	북북동 NNE	북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 WSW	서 W	서북서 WNW	북북서 NNW							
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	14.4	9.1	7.4						
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	14.2	11.4	5.5	7.2	8.3	9.8					
3	3.6	2.9	3.6	1.8	0.0	2.4	4.6	5.1	12.6	9.5	6.5	5.0	5.2	4.4					
4	4.9	6.7	7.3	6.4	7.5	5.4	0.0	3.9	0.0	4.3	2.0	5.6	8.8	11.0	9.7				
5	35.7	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	9.2	18.9				
6	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	22.7					
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	19.6	20.9	18.4	13.6					
8	23.0	23.5	15.7	0.0	0.0	0.0	0.0	0.0	0.0	16.2	16.0	11.3	8.4	8.6					
9	21.4	17.2	0.0	0.0	0.0	0.0	5.5	9.0	4.8	15.9	15.9	10.9	7.1	10.0					
10	27.2	2.0	11.2	9.4	12.3	0.0	2.2	3.0	3.1	0.0	4.0	5.7	6.6	10.2	12.9	13.2			
11	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	18.3	14.9	16.0	18.4					
12	20.0	18.1	16.4	10.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	12.1	10.5				
13	8.9	5.8	7.9	7.5	15.2	13.6	14.9	0.0	0.0	4.5	7.1	10.0	12.3	12.2	8.7	10.7			
14	0.0	0.0	13.3	13.9	14.2	10.0	10.3	7.0	6.6	1.9	1.2	0.0	0.0	0.0	0.0				
15	12.5	5.2	11.0	12.1	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
16	13.8	13.4	0.0	0.0	0.0	0.0	0.0	0.0	14.9	15.4	16.9	15.5	6.4	15.5	14.2				
17	0.0	0.0	16.4	23.0	24.4	24.7	1.1	0.0	13.6	0.0	0.0	10.2	17.3	16.0	0.0	0.0			
18	12.3	0.0	0.0	0.0	12.4	8.0	6.4	5.7	8.2	7.4	0.0	2.7	1.8	13.8	13.1	12.3	13.6	17.4	
19	0.0	0.0	15.4	21.2	20.0	11.3	0.0	3.6	0.0	0.0	0.0	6.1	8.1	10.9	11.3	13.5			
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	17.5	19.6	16.9	9.7				
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	23.9	18.8	0.0	0.0	0.0	0.0			
22	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	14.0	15.2	20.1	19.9	19.4				
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	22.2	20.0	17.9	19.0	0.0	0.0			
24	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	23.4	12.3	8.3	7.2	4.9				
25	13.0	12.7	20.8	12.7	10.7	11.4	4.9	2.7	3.3	1.5	0.0	0.0	1.3	0.0	8.8	11.3			
26	0.0	0.0	0.0	0.0	2.4	4.8	4.8	3.5	0.0	0.0	15.5	15.9	16.5	15.4	18.4				
27	28.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5	20.7	21.9	21.3	19.1	29.8				
28	0.0	0.0	0.0	0.0	8.5	9.2	13.8	14.6	21.3	19.2	19.6	13.7	6.1	0.0	0.0				
29	0.0	0.0	0.0	0.0	0.0	0.0	12.4	12.8	13.6	16.6	16.0	10.7	14.0	6.1	0.0	0.0			
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	15.4	10.8	5.9	0.0	0.0				
월 Month	35.7	23.5	20.8	23.0	24.4	24.7	14.9	13.8	14.6	21.3	20.5	23.9	21.9	21.3	19.9	29.8			

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 9월

요소 일	Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CLM
1		0	0	0	0	0	0	0	0	0	0	0	0	173	644	135	48	0
2		0	0	0	0	0	0	0	0	0	271	250	215	63	28	104	69	0
3		70	42	161	28	21	0	7	21	7	203	126	49	49	56	77	56	28
4		90	69	76	49	97	49	35	0	7	0	28	21	21	83	236	139	0
5		639	28	0	0	0	0	0	0	0	0	0	0	0	7	63	264	0
6		431	0	0	0	0	0	0	0	0	0	0	0	0	0	7	563	0
7		0	0	0	0	0	0	0	0	0	0	0	118	424	236	215	7	0
8		118	160	35	0	0	0	0	0	0	0	236	278	63	56	56	0	0
9		382	28	0	0	0	0	0	7	42	21	42	104	194	63	21	97	0
10		194	28	160	49	7	0	14	14	7	0	14	14	111	125	153	69	42
11		285	0	0	0	0	0	0	0	0	0	0	28	458	90	83	56	0
12		111	146	236	42	14	0	0	0	0	0	0	0	194	132	125	0	0
13		56	7	14	49	132	90	69	0	14	7	14	194	146	42	167	0	0
14		0	0	14	146	215	69	194	49	153	42	76	7	14	0	0	0	21
15		83	14	653	215	35	0	0	0	0	0	0	0	0	0	0	0	0
16		28	7	0	0	0	0	0	0	0	21	139	576	21	35	104	69	0
17		0	0	299	153	208	49	7	0	7	0	0	0	21	181	76	0	0
18		28	0	0	0	104	35	83	83	49	14	0	7	63	97	236	201	0
19		0	0	139	167	347	21	0	7	0	14	14	63	83	28	14	97	7
20		0	0	0	0	0	0	0	0	0	0	0	319	333	264	76	7	0
21		0	0	0	0	0	0	0	0	0	0	35	826	139	0	0	0	0
22		104	0	0	0	0	0	0	0	0	28	167	201	368	76	56	0	0
23		0	0	0	0	0	0	0	0	0	0	21	250	132	417	181	0	0
24		49	0	0	0	0	0	0	0	0	111	667	90	28	42	14	0	0
25		56	97	146	49	125	90	7	7	14	7	0	0	7	0	250	125	21
26		0	0	0	0	21	7	69	14	0	0	0	56	104	118	146	444	21
27		28	0	0	0	0	0	0	0	0	7	375	215	125	125	125	0	0
28		0	0	0	0	0	7	28	42	188	299	347	35	14	0	0	0	0
29		0	0	0	0	0	0	0	76	118	104	125	264	181	111	21	0	0
30		0	0	0	0	0	0	0	0	0	0	326	507	160	7	0	0	0
월	Month	93	21	65	32	45	14	17	11	15	30	44	170	137	118	89	96	5

89251 남극 세종과학기지(KARP)

1993년 10월

요소 Element	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	30	31	월 Month
기압 평균 Ave. Station	975	994	993	990	988	985	962	965	963	963	962	964	964	972	987	990	967	972	983
최고 Highest	993	992	990	1000	997	1004	996	998	995	995	993	996	994	983	970	967	972	972	1007
압 (hPa)	984	998	997	994	990	990	977	972	971	966	966	967	968	983	987	993	976	976	21일
나타난 시간 Time	994	996	996	1005	1002	1007	1005	1001	999	999	996	999	999	992	973	976	976	976	21일
최저 Lowest	2357	1918	0026	0843	2143	0128	0003	2328	0103	0237	0503	2325	2355	1429	2357	2357	2357	2357	0216
Air Press.	0133	2349	0303	1526	0004	1856	0005	1608	0023	0333	2400	0127	0019	1726	2355	0216	0216	0216	946
나타난 시간 Time	971	984	990	984	984	977	953	960	946	960	960	960	961	967	983	987	965	965	9일
기온 평균 Average	991	991	983	988	993	995	987	991	991	991	991	992	989	968	968	958	965	965	9일
평균 최고 Ave. Maximum	0120	0007	2206	2205	0148	2359	1455	0009	1732	0950	1949	0851	1454	0001	0008	0008	0008	0008	946
평균 최저 Ave. Minimum	2054	0814	1755	0004	1944	0049	1932	0007	1901	1211	0021	2215	2400	0048	0647	2400	2400	2400	9일
기온	-5.9	-5.5	-1.5	-0.3	0.2	2.0	0.8	-1.2	-1.6	-0.4	-0.1	-0.5	-2.5	-2.1	-3.3	-3.3	-2.5	-3.1	-1.4
최고 Highest	-3.5	-5.2	-2.8	-1.3	0.3	-0.8	-0.3	-1.4	-0.6	0.1	0.0	-0.2	-0.5	-0.9	-2.5	-3.1	-2.5	-3.1	0.5
최저 Lowest	-3.0	-2.4	0.0	1.1	1.3	4.7	2.9	0.0	1.9	0.8	1.0	0.1	-0.6	0.0	0.3	0.3	0.0	-0.2	-3.2
나타난 시간 Time	-1.9	-3.6	1.0	0.1	2.6	0.4	0.4	0.3	0.6	3.4	1.7	0.4	0.2	0.0	0.0	0.0	0.0	-0.2	4.7
Air Temp.	0002	2400	1455	1653	2358	0958	0201	2029	1732	1535	1444	1355	1537	1629	1536	1536	1536	1536	6일
나타난 시간 Time	1227	2102	1545	1114	0444	1052	1720	1945	1923	1709	1400	1614	2222	1353	0615	1804	1804	1804	9.2
최저 Lowest	-9.2	-7.5	-2.5	-1.4	-0.1	0.6	-1.0	-2.2	-2.6	-1.9	-1.4	-1.3	-5.5	-5.2	-7.0	-7.0	-7.0	-7.0	-9.2
나타난 시간 Time	-6.4	-6.7	-6.2	-2.5	-0.6	-2.1	-2.1	-2.9	-1.9	-2.1	-0.9	-1.5	-1.4	-2.0	-5.6	-6.4	-6.4	-6.4	1일
평균습점온도(°C)	1940	0007	0343	0003	2300	1649	2300	0900	1000	0100	2200	1100	1900	2400	0709	0709	0709	0709	9.2
Average Dewpoint Temperature	2358	0343	0651	2000	0829	0902	2400	0713	1000	0529	2341	0431	0700	2400	2400	0114	0114	0114	9.2
평균습점온도(°C)	-13.9	-13.8	-8.5	-6.4	-5.5	-4.2	-5.4	-7.8	-8.6	-6.6	-6.2	-7.2	-10.0	-9.5	-11.2	-11.2	-11.2	-11.3	-8.6
Average Dewpoint Temperature	-11.8	-13.8	-10.5	-9.3	-6.4	-7.9	-6.6	-8.8	-7.7	-7.8	-7.5	-6.6	-6.9	-8.9	-10.1	-11.3	-11.3	-11.3	-8.6

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요소 Element	일 Date																															월 Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
강수량(mm)	2.6	0.3	0.2	5.2	2.8	0.2	4.7	1.5	1.5	0.6	1.0	0.0	6.2	2.0	0.0	0.8	0.3	-	-	2.8	0.2	4.7	1.5	1.5	0.6	1.0	0.0	6.2	2.0	-	34.3	
Total Precipitation	0.0	0.8	0.3	-	-	-	1.0	-	-	-	-	0.0	1.2	0.5	0.5	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	
상대 습도 (%)	83.	81.	89.	92.	93.	92.	92.	91.	90.	92.	92.	91.	87.	88.	85.	87.	87.	90.	88.	90.	90.	91.	88.	90.	92.	91.	87.	88.	85.	89.	89.	
최소 나타난 시간 Time	0221	2321	0400	1818	0004	1100	0200	2000	0307	0012	1449	1500	1055	0127	1337	0221	2321	0400	1818	0004	1100	0200	2000	0307	0012	1449	1500	1055	0127	1337	0221	
R.H.	1600	1403	0100	0620	0536	0600	2300	1500	2300	1720	1528	0259	0509	1800	2100	1600	1403	0100	0620	0536	0600	2300	1500	2300	1720	1528	0259	0509	1800	2100	0900	
평균 24 hour ave.	12.8	8.4	7.0	9.8	8.3	8.7	15.1	12.3	4.9	8.2	9.8	9.4	7.8	3.4	3.1	12.8	8.4	7.0	9.8	8.3	8.7	15.1	12.3	4.9	8.2	9.8	9.4	7.8	3.4	3.1	9.0	
합성 풍향 Direction	WSW	WSW	NW	NW	NW	N	N	WNW	SSW	NW	NW	NW	ENE	ESE	NNE	WSW	WSW	NW	NW	NW	N	WNW	SSW	NW	NW	NW	ENE	ESE	NNE	W		
순간 최대 Greatest Gust	21.0	16.7	16.0	17.1	17.3	16.5	30.0	19.7	18.0	16.1	18.5	16.1	17.8	8.3	9.0	21.0	16.7	16.0	17.1	17.3	16.5	30.0	19.7	18.0	16.1	18.5	16.1	17.8	8.3	9.0	30.0	
(m/s) 풍향 Direction	WSW	SW	W	N	NNW	NNW	N	W	W	WNW	N	WNW	ESE	NW	NW	WSW	SW	W	N	NNW	NNW	N	W	WNW	SSW	NW	WNW	ESE	NW	N		
Wind 나타난 시간 Time	1741	0112	2350	1812	0201	1828	1429	1733	0103	2115	1258	1047	1727	0100	2227	1741	0112	2350	1812	0201	1828	1429	1733	0103	2115	1258	1047	1727	0100	2227		
	1752	1440	2116	0235	1251	2224	1818	0045	2147	1517	0024	2201	2245	0505	1624	1752	1440	2116	0235	1251	2224	1818	0045	2147	1517	0024	2201	2245	0505	1624	1006	
구름(1/8)	6.6	6.8	8.0	8.0	7.8	8.0	7.6	6.4	7.2	6.8	7.4	6.4	7.6	5.4	3.8	6.6	6.8	8.0	8.0	7.8	8.0	7.6	6.4	7.2	6.8	7.4	6.4	7.6	5.4	3.8	6.1	
Average Amount of Cloud	5.2	7.2	3.0	4.4	6.2	6.0	6.6	5.4	5.2	3.4	3.0	7.6	8.0	5.4	2.4	5.2	7.2	3.0	4.4	6.2	6.0	6.6	5.4	5.2	3.4	3.0	7.6	8.0	5.4	2.4	7.6	

폭풍설 시작 시간 Start Time
 Bliz- 끝난 시간 End Time
 zard
 계속 시간 Duration of Blizzard

현상없음(NO OCCURRENCE)

1993년 10월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	6999	8006	8113	5487	4992	7690	7213	8032	9927	7967	8021	10438	8238	11497	19020	333001	
	15429	7226	14247	13547	8878	12535	6949	13824	10978	20102	17948	7101	5752	16982	17264	12599	
적 설 최 심 Max. Depth Snow Cover	95.0	96.0	96.0	100.0	97.0	91.0	91.0	91.0	92.0	89.0	87.0	85.0	92.0	93.0	92.0	92.0	
신적설 합 계 Total	6.5	1.0	0.5	6.1	1.5	-	3.4	2.6	3.5	1.0	2.2	0.0	8.5	3.0	-	52.0	
Snow Fall 최 심 Max. Depth 나타난 날 Date	0.0	2.5	1.0	-	-	-	1.5	-	-	-	-	0.0	2.0	1.6	1.0	2.6	
맑 음 Clear																	0
개 임 Partly Cloudy																	12
흐 름 Cloudy	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	19
눈 Snow	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	19
비 Rain	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	5
진 눈 개 비 Sleet																	6
안 개 Fog																	5
박 무 Mist																	12
유 빙 Drift Ice (Marian Cove/Maxwell Bay)			MC	MC		MC											MB/MC

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 10월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	21.0	15.0	0.0	0.0	0.0
2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	16.7	13.5	9.8	6.5	0.0	0.0
3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	16.0	14.0	11.8	9.5
4		17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	16.2	13.0	16.4
5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	9.6	15.6	17.3
6		16.5	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.6	7.5	16.5
7		30.0	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	21.2	21.3
8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	19.4	17.8	0.0
9		0.0	0.0	0.0	0.0	5.6	6.6	6.8	5.1	2.3	1.2	0.0	0.0	18.0	17.4	8.8	8.1
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	16.1	13.7	12.4
11		18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	17.5	14.0	16.6
12		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	16.1	15.5	13.8
13		0.0	2.8	4.9	7.7	14.6	17.8	2.5	0.0	0.0	0.0	0.0	0.0	17.7	17.5	2.6	0.0
14		5.8	0.0	0.0	2.3	3.4	5.2	5.0	5.1	5.1	3.5	0.0	0.0	2.1	6.7	8.3	8.1
15		2.2	1.6	4.4	4.6	4.8	4.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0	7.8	9.0	5.0
16		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	9.9	11.6	9.9	10.6	7.8	0.0
17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	12.1	13.9	12.3	10.9	4.8	0.0	0.0
18		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3	29.4	28.4	14.4	13.2	12.1	0.0
19		0.0	4.9	5.3	4.3	2.9	0.0	2.3	0.0	21.9	24.2	22.3	10.8	11.9	13.4	13.0	3.4
20		14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	18.6	24.5	18.8	15.1	19.3
21		0.0	4.6	5.1	5.6	3.0	0.0	2.3	2.8	6.6	12.4	14.5	8.8	6.2	16.2	16.2	7.5
22		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	21.5	21.4	21.6	16.5	0.0
23		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1	19.4	12.4	12.3	8.4	6.0
24		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	15.1	16.2	19.4	12.6	12.3	11.2
25		0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	19.0	21.7	20.1	19.6	19.3	13.0	7.8	6.1
26		11.5	7.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	9.4	7.0	13.7	14.2	15.1	12.0	11.8
27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	21.4	18.1	17.1
28		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	17.7	18.0	17.2
29		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.1	26.2	17.8	8.3	0.0
30		19.8	0.0	0.0	0.0	0.0	14.0	13.0	9.2	4.8	3.8	15.1	24.0	21.1	15.4	15.7	18.0
31		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	18.7	18.7	13.8	10.5	10.8
월	Month	30.0	25.1	5.3	7.7	14.6	17.8	13.0	9.2	21.9	26.3	29.4	28.4	26.2	21.6	21.2	21.3

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 10월

요소 Element	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NNW	북북서 CLM		
1	0	0	0	0	0	0	0	0	0	431	535	35	0	0	0		
2	0	0	0	0	0	0	0	0	21	368	438	167	7	0	0		
3	0	0	0	0	0	0	0	0	0	0	21	188	208	389	194		
4	111	0	0	0	0	0	0	0	0	0	0	188	264	243	194		
5	0	0	0	0	0	0	0	0	0	0	0	7	90	618	285		
6	486	83	0	0	0	0	0	0	0	0	0	7	14	49	361		
7	417	229	0	0	0	0	0	0	0	0	0	0	90	208	56		
8	0	0	0	0	0	0	0	0	0	0	0	340	514	146	0		
9	0	0	0	0	35	90	111	42	7	0	0	90	132	146	63		
10	0	0	0	0	0	0	0	0	0	0	0	7	431	396	167		
11	139	0	0	0	0	0	0	0	0	0	0	28	222	160	451		
12	0	0	0	0	0	0	0	0	0	0	0	35	306	514	146		
13	0	7	21	111	236	201	7	0	0	0	0	243	167	7	0		
14	42	0	0	7	21	264	188	69	42	7	0	7	69	201	83		
15	21	7	118	188	83	104	49	0	0	0	0	0	125	215	69		
16	0	0	0	0	0	0	0	0	14	56	438	181	278	35	0		
17	0	0	0	0	0	0	0	7	201	389	326	69	7	0	0		
18	0	0	0	0	0	0	0	0	76	104	250	472	90	7	0		
19	0	7	7	14	7	0	0	188	188	35	7	125	278	132	7		
20	14	0	0	0	0	0	0	0	0	14	174	326	250	132	90		
21	0	21	69	42	7	0	7	69	21	42	28	28	326	292	21		
22	0	0	0	0	0	0	0	0	0	7	139	188	528	139	0		
23	0	0	0	0	0	0	0	0	0	118	174	403	208	69	28		
24	0	0	0	0	0	0	0	0	160	76	42	368	194	125	35		
25	0	0	0	0	0	0	7	14	14	97	326	326	76	83	56		
26	28	28	7	0	0	0	0	0	28	14	118	396	160	118	90		
27	0	0	0	0	0	0	0	0	0	0	0	35	507	396	63		
28	0	0	0	0	0	0	0	0	0	0	0	56	229	194	521		
29	0	0	0	0	0	0	0	0	0	0	0	354	576	63	7		
30	63	0	0	0	0	28	21	7	7	7	438	229	35	63	76		
31	0	0	0	0	0	0	0	0	7	313	375	97	76	132	0		
월 Month	43	12	7	12	13	22	16	7	12	24	57	133	177	192	166	103	4

89251 남극세종과학기지(KARP)

1993년 11월

요소 Element	1 16	2 17	3 18	4 19	5 20	6 21	7 22	8 23	9 24	10 25	11 26	12 27	13 28	14 29	15 30	월 31 Month
기압 평균 Ave. Station	973	982	994	1000	999	990	983	979	973	980	986	981	973	977	977	984
최고 Highest	973	983	981	976	975	980	985	989	985	983	990	995	998	995	985	985
압 (hPa)	976	989	998	1003	1003	998	987	981	977	986	988	984	979	979	982	1003
나타난 시간 Time	988	991	983	978	977	984	987	991	990	986	993	999	1000	997	993	4/
최저 Lowest	2359	2400	2357	2330	0113	0200	1034	1412	2400	2346	1046	0140	0021	2327	0536	5일
Air Press.	2400	0711	1033	0013	1433	2359	2232	2047	0007	0004	2355	2400	0315	1046	0035	963
나타난 시간 Time	965	976	989	998	997	983	975	974	970	977	982	979	970	975	965	963
기온 평균 Average	963	973	978	972	970	976	984	986	982	980	985	992	995	993	978	16일
평균최고 Ave. Maximum	0014	0025	0058	0127	1631	2029	2225	2359	0418	0005	2212	2400	1409	0013	2256	
평균최저 Ave. Minimum	0616	1811	2400	2400	0257	0029	0032	0404	1031	1709	0009	1016	2359	2346	2400	
온도 (℃)	-2.2	-5.4	-5.2	-3.0	-0.3	1.7	2.3	1.9	1.0	0.5	2.0	1.4	0.2	0.0	0.3	0.2
최고 Highest	-0.9	0.0	1.6	2.2	0.7	-0.1	-0.4	-0.1	0.7	2.3	1.2	1.2	3.1	1.0	-0.6	2.2
최저 Lowest	1.1	-4.0	-2.6	-0.2	1.0	3.4	5.8	4.2	2.9	1.7	5.3	3.3	1.7	1.2	2.6	-1.4
나타난 시간 Time	1.6	3.4	2.7	3.8	2.7	1.2	0.3	1.3	1.3	3.4	2.0	1.6	6.9	3.9	2.1	6.9
Air Temp.	1703	0201	1844	1804	1636	1003	1926	1959	0319	2013	1344	0307	1419	1743	1514	28일
나타난 시간 Time	0212	1822	2354	1452	0005	1919	1751	1529	1457	1502	0001	1657	1846	0012	1633	
최저 Lowest	-4.3	-7.0	-7.1	-7.3	-2.4	0.3	0.1	0.1	-0.2	-0.8	0.2	-0.3	-1.2	-0.8	-0.9	-7.3
나타난 시간 Time	-2.7	-2.2	0.8	0.2	-0.7	-0.9	-1.1	-1.2	-0.5	0.8	0.4	0.3	1.3	-0.7	-2.9	4일
평균눈점온도 (℃)	2400	2219	0231	0124	0200	0100	0600	0910	2300	0700	0400	2356	0400	0500	0828	
Average Dewpoint Temperature	1500	0800	1000	2200	0900	1022	0500	0302	0037	0100	2328	0030	0100	2341	0700	
평균눈점온도 (℃)	-9.6	-12.9	-13.4	-11.5	-7.4	-4.8	-4.9	-4.6	-5.6	-5.7	-4.5	-5.7	-6.3	-7.1	-7.3	-6.6
Average Dewpoint Temperature	-6.7	-6.6	-4.4	-4.0	-5.3	-6.8	-7.6	-7.9	-5.3	-4.0	-5.2	-5.0	-3.8	-5.3	-8.2	

1993년 11월

일	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
요소 Element	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
강수량(mm)	1.1	1.7	-	0.3	1.1	2.1	5.3	4.2	1.0	0.3	1.2	-	0.1	0.0	0.0	49.9	
Total Precipitation	15.0	3.6	0.2	3.5	0.4	0.6	-	-	1.0	5.2	-	0.0	0.8	1.2	0.0		
평 균 Average	88.	89.	86.	82.	88.	92.	90.	91.	91.	91.	92.	92.	91.	91.	91.	90.	91.
대 소 Lowest	93.	91.	94.	92.	93.	91.	91.	87.	93.	93.	92.	92.	94.	92.	92.	87.	87.
도 (1%)	80.	82.	72.	45.	72.	69.	71.	73.	87.	90.	88.	85.	89.	84.	74.	45.	45.
나타난 시간 Time	1423	0244	2100	1729	1245	1101	1940	1327	0600	2315	1600	0200	1124	2000	1800	1800	4일
R.H.	0100	1120	2359	0211	0038	2200	2000	1321	0331	2322	0100	1738	1900	1723	1500	1500	
평 균 24 hour ave.	5.0	10.7	7.9	4.5	9.6	10.0	15.9	7.4	12.8	9.7	13.8	10.1	5.9	8.6	6.4	8.6	8.6
바 합성 풍 향 Direction	SSW	ESE	E	NNW	NNW	N	N	NNW	NNW	NNW	NNW	NNW	NNW	W	NNW	NNW	NNW
랄 순 간 최 대 Greatest Gust	15.8	19.8	18.3	9.4	18.1	19.8	36.7	25.6	27.6	20.7	28.4	18.4	12.8	14.7	22.8	36.7	36.7
(m/s) 풍 향 Direction	23.0	34.5	17.9	15.8	18.4	13.6	5.9	10.7	18.7	26.1	19.2	16.1	24.0	18.4	7.0	7일	7일
Wind 나타난 시간 Time	ESE	SE	ESE	NNW	NNW	N	N	N	N	N	N	NNW	NNE	W	NE	N	N
	SE	N	NNW	N	N	E	S	NW	N	NNW	NW	NW	N	NNW	NNW	NNW	NNW
	2152	1415	0104	2344	0359	1232	1936	0007	0153	1023	1307	0456	0825	1627	2134	2134	2134
	1143	1703	0704	0955	0222	1418	1843	2317	0413	1013	0309	1402	1233	0024	2300	2300	2300
구름(1/8)	7.0	7.2	4.4	4.0	8.0	8.0	8.0	4.0	8.0	8.0	6.2	8.0	6.4	7.8	3.4	7.0	6.6
Average Amount of Cloud	4.0	7.2	7.2	8.0	6.6	5.4	7.0	7.0	8.0	8.0	7.2	7.6	8.0	7.0	8.0	1.8	1.8
폭풍질 시 작 시 간 Start Time	0920																
Bliz- zard 끝 난 시 간 End Time	1430																
계 속 시 간 Duration of Blizzard	0510																0510

1993년 11월

요 소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월	
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
수평면일사량(0.001MJ/㎡)	12246	14111	19240	17304	7567	7637	9692	23187	6592	14907	10552	19440	12051	19550	12263	407998	
Hor. Global Solar Rad.	16361	8199	10315	8099	9732	19517	12842	18174	8778	12981	11009	8985	15121	10389	30957		
눈	85.0	88.0	87.0	87.0	85.0	82.0	75.0	71.0	65.0	62.0	57.0	55.0	52.0	48.0	45.0		
Max. Depth Snow Cover	55.0	50.0	43.0	37.0	34.0	32.0	29.0	27.0	23.0	18.0	15.0	14.0	13.0	12.0	11.0		
신적설 합 계 Total	2.5	5.0	-	0.8	0.0	-	-	-	0.5	0.0	-	-	0.0	0.0	0.0	23.5	
Max. Depth Snow Cover	12.0	0.0	-	-	0.2	1.5	-	-	0.0	-	-	-	-	1.0	0.0		
눈	최	심	최	심	최	심	최	심	최	심	최	심	최	심	최	심	
Max. Depth Snow Cover	합	계	Total	합	계	Total	합	계	Total	합	계	Total	합	계	Total		
Snow Fall	최	심	최	심	최	심	최	심	최	심	최	심	최	심	최	심	
나타난 날 Date	합	계	Total	합	계	Total	합	계	Total	합	계	Total	합	계	Total		
기상	맑음 Clear	개	입	Partly Cloudy	흐	림	Cloudy	눈	Snow	비	Rain	진	눈	깨	비	Sleet	
현상	안	개	Fog	박	무	Mist	유	빙	Drift Ice	유	빙	Drift Ice	유	빙	Drift Ice	(Marian Cove/Maxwell Bay)	
Meteo. Phenomena	1	7	22	12	15	5	8	20									

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 11월

요소 일	Element Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	W	NNW	
1		0.0	2.0	10.7	15.8	14.8	13.5	8.1	8.7	4.6	4.3	7.7	9.8	7.8	6.0	0.0	0.0	2.0
2		0.0	0.0	0.0	12.9	19.1	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3		0.0	0.0	4.2	10.7	16.3	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4		4.7	3.8	4.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	9.0	8.9	9.4	9.4
5		17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	18.1
6		19.8	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	15.4
7		36.7	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	20.3
8		25.6	23.4	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	7.6	7.4	8.1	12.8	12.8
9		27.6	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	13.5	12.0	12.9	12.9
10		20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	15.3	18.7	18.7
11		28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	20.3	20.3
12		18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	18.4	18.4
13		11.8	12.8	10.8	9.1	9.7	0.0	0.0	0.0	0.0	0.0	5.6	5.1	6.3	7.9	8.4	10.4	10.4
14		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	7.8	6.0	14.7	14.4	13.2	11.7	11.7
15		6.6	7.6	22.8	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	9.6	7.6	7.4	7.4
16		2.7	7.3	11.1	6.4	5.7	22.4	23.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	9.3	9.5	9.5
17		34.5	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	21.9	21.9
18		11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	17.9	17.9
19		15.8	8.0	4.9	0.0	0.0	0.0	0.0	1.8	4.4	3.2	2.4	3.0	7.6	8.1	8.5	11.8	11.8
20		18.4	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	12.5	14.0	14.0
21		11.0	4.2	1.9	0.0	13.6	13.1	4.8	3.4	3.5	1.5	3.1	0.0	0.0	0.0	6.2	11.6	11.6
22		0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	5.9	4.9	4.4	4.1	5.8	5.3	5.9	3.0	3.0
23		0.0	0.0	0.0	2.7	3.5	3.4	3.4	2.9	2.9	1.8	1.8	0.0	6.5	8.0	10.7	9.2	9.2
24		18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	13.2	17.9	17.9
25		24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	26.1	26.1
26		16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	17.0	17.0
27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	15.7	15.7
28		24.0	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	23.5
29		16.9	0.0	0.0	4.8	4.2	5.6	7.3	7.2	2.1	0.0	0.0	2.4	2.6	3.2	7.4	18.4	18.4
30		1.3	0.0	3.9	4.4	2.2	6.7	4.7	1.5	2.6	0.0	0.0	0.0	6.7	7.0	5.7	1.6	1.6
월	Month	36.7	31.7	22.8	15.8	16.3	22.4	23.0	8.7	5.9	12.0	7.8	9.8	14.7	14.4	19.7	26.1	26.1

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 11월

요소 일 Date	Element	N	NNE	NE	ENE	동 E	동남동 ESE	남동 SE	남남동 SSE	남 S	남남서 SSW	남서 SW	서남서 WSW	서 W	서북서 WNW	북서 NW	북북서 NNW	경은 CLM
1	0	7	111	118	125	35	35	14	28	42	208	97	56	0	7	83		
2	0	0	222	451	326	0	0	0	0	0	0	0	0	0	0	0		
3	0	21	146	528	306	0	0	0	0	0	0	0	0	0	0	0		
4	14	69	160	69	0	0	0	0	0	0	104	194	104	285	0	0		
5	278	0	0	0	0	0	0	0	0	0	0	0	0	69	653	0	0	
6	493	104	0	0	0	0	0	0	0	0	0	0	0	35	368	0	0	
7	368	229	0	0	0	0	0	0	0	0	14	139	132	69	201	7	0	
8	313	69	56	0	0	0	0	0	0	0	0	21	111	35	250	0	0	
9	528	56	0	0	0	0	0	0	0	0	0	0	83	563	299	0	0	
10	56	0	0	0	0	0	0	0	0	0	0	0	0	14	458	0	0	
11	528	0	0	0	0	0	0	0	0	0	0	0	0	90	556	0	0	
12	354	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	118	118	97	69	21	0	0	0	0	7	28	63	181	132	167	0	0	
14	0	0	0	0	0	0	0	0	118	28	14	514	188	97	42	0	0	
15	21	42	285	76	0	0	0	0	0	0	0	181	181	153	63	0	0	
16	21	21	63	21	21	438	271	28	0	0	0	0	0	28	83	7	0	
17	313	132	0	0	0	0	0	0	0	0	0	0	0	326	229	0	0	
18	35	0	0	0	0	0	0	0	0	0	0	0	0	174	792	0	0	
19	299	42	21	0	0	0	0	7	49	14	28	35	14	63	389	35	0	
20	472	7	0	0	0	0	0	0	0	0	0	0	21	118	382	0	0	
21	104	7	7	0	313	257	21	7	42	14	35	0	0	14	104	76	0	
22	0	0	0	0	0	0	0	83	153	21	56	83	264	118	174	14	35	
23	0	0	0	7	84	133	133	49	63	28	7	0	28	315	98	28	28	
24	76	0	0	0	0	0	0	0	0	0	0	0	56	319	549	0	0	
25	90	0	0	0	0	0	0	0	0	0	0	0	0	132	778	0	0	
26	28	0	0	0	0	0	0	0	0	0	0	0	0	354	618	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	243	757	0	0	
28	340	14	0	0	0	0	0	0	0	0	0	0	0	0	646	0	0	
29	14	0	0	14	21	49	278	146	7	0	7	28	42	90	222	83	0	
30	7	0	49	132	7	90	14	7	42	0	0	56	229	188	7	174	0	
월 Month	162	31	29	22	45	59	36	12	12	7	6	13	51	64	124	310	18	

89251 남극 세종과학기지(KARF)

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요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월 Month
기압 평균 Ave. Station	976	971	978	981	975	966	973	977	983	994	995	996	994	986	978	990
최고 Highest	979	976	981	990	994	989	989	991	991	983	984	991	984	973	980	991
압	978	976	982	982	979	972	976	979	990	997	997	997	996	991	981	999
나타난 시간 Time	980	979	984	997	999	989	991	994	994	987	989	992	991	979	987	996
(hPa)	0021	2357	2359	0629	0039	2400	2359	2400	2400	2329	0203	2123	0059	0017	0006	
최저 Lowest	2103	0015	2359	2400	0858	0426	1551	2357	0636	0014	2355	1507	0016	0038	2359	2359
Air Press.	972	968	976	979	968	962	972	976	979	990	993	994	991	981	977	962
나타난 시간 Time	977	974	963	984	979	989	988	987	987	980	980	989	979	969	972	987
	2400	0733	0008	2359	2400	0738	0702	0026	0109	0008	1748	0008	2400	2342	1714	
	1311	1248	0040	0008	2328	0430	2353	0141	2359	2347	0028	0015	2341	1822	0010	0012
기온 평균 Average	2.1	1.8	0.2	-0.1	0.1	0.2	0.0	-0.6	0.0	0.1	0.3	-0.8	0.2	0.2	0.4	0.8
평균 최고 Ave. Maximum	0.4	0.6	0.1	1.0	0.5	1.4	2.0	2.4	2.8	1.7	1.4	1.0	1.5	2.5	-0.2	0.2
평균 최저 Ave. Minimum																
온도	4.1	4.1	1.4	1.0	2.0	1.8	1.4	0.4	2.2	2.0	4.0	0.4	1.5	1.7	2.2	5.6
(℃)	2.8	3.3	1.5	2.8	2.0	1.4	4.2	3.8	5.6	3.5	3.3	1.9	2.7	5.3	0.8	1.6
나타난 시간 Time	1804	0231	1801	1814	2117	1119	1844	1412	2003	1550	1630	1617	1728	1421	1429	24일
최저 Lowest	1559	1731	0040	1712	2358	0426	2250	2028	1457	1148	1750	1113	1130	1333	0015	1321
Air Temp.	-1.8	-0.2	-0.7	-1.2	-0.9	-0.9	-0.9	-1.5	-1.5	-1.3	-3.3	-2.4	-0.6	-0.8	-0.7	-3.3
나타난 시간 Time	-0.7	-0.7	-1.2	-0.3	-0.2	1.3	1.2	1.6	0.8	0.3	-0.4	0.2	0.6	0.7	-0.9	-1.2
	0016	2200	0700	0500	0200	1500	0500	1829	0050	0830	0707	0623	0312	0639	0300	11일
	0500	0500	0534	0837	2158	0430	1700	1100	2400	0300	0400	0325	1900	2359	2100	0100
평균하점온도(℃)	-5.4	-4.3	-7.3	-8.6	-8.3	-6.4	-6.9	-8.0	-8.3	-8.5	-8.8	-10.4	-8.6	-6.9	-6.3	-6.9
Average Dewpoint Temperature	-7.0	-6.8	-7.9	-6.7	-7.3	-4.7	-4.4	-4.7	-4.5	-5.8	-6.2	-8.3	-6.1	-5.4	-7.6	-8.1

1993년 12월

요소 Element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	월
일 Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Month																
강수량(mm)	1.0	5.6	-	-	0.0	2.6	0.8	0.2	0.2	-	-	-	0.0	0.2	0.2	23.0
Total Precipitation	0.0	0.2	0.0	0.0	0.0	0.2	2.4	0.0	3.2	0.0	1.0	-	0.0	0.4	4.2	0.6
상 평	90.	91.	90.	82.	84.	87.	91.	90.	82.	80.	81.	74.	78.	91.	90.	87.
대 소	86.	82.	80.	87.	89.	94.	94.	93.	93.	92.	91.	86.	91.	91.	92.	88.
습 소	70.	70.	83.	73.	59.	54.	88.	84.	55.	39.	43.	44.	41.	70.	88.	39.
도	66.	54.	52.	70.	64.	93.	91.	91.	90.	89.	87.	76.	90.	83.	90.	77.
(1%) 나타난 시간 Time	0413	1342	2346	2355	2200	0017	2200	1400	1351	1943	2348	0020	1445	0633	0100	
R.H.	2104	1731	1659	1730	1943	0428	2256	0010	1505	1525	1800	1154	0042	1400	2338	0900
평	7.8	10.2	5.1	6.0	6.5	5.8	3.4	2.8	6.0	2.6	3.3	3.2	4.9	5.9	9.9	5.7
바	4.9	3.3	2.7	3.0	8.0	8.1	6.6	8.9	8.5	4.8	2.9	6.9	8.3	6.1	8.3	3.5
합성 풍	N	N	W	WNW	NNW	NE	WSW	WSW	SW	W	NNE	N	W	NNE	E	NNW
향	ESE	E	N	SW	NNW	NNW	NNW	NNW	NNW	NW	SW	WSW	NW	NNE	ESE	NE
순	21.0	27.1	11.6	10.2	12.1	15.7	7.1	8.1	12.9	5.8	8.1	8.8	8.9	17.2	17.7	30.0
간	12.4	8.8	6.6	7.4	30.0	18.1	14.9	19.4	20.6	10.2	9.5	13.0	17.4	15.6	16.9	9.5
최	NNE	N	WSW	WNW	N	NE	WNW	SW	SSW	SSW	NNE	ENE	ENE	WSW	E	NNE
대	E	E	NE	S	NNE	NNW	N	N	N	NW	NNW	SSW	N	E	ESE	ENE
시간	2303	0655	2105	0420	1156	0321	0012	1033	1353	1412	1806	0145	0734	2319	0511	
Time	0128	2105	0605	2041	2152	0012	2320	0302	1801	0142	0023	0201	1243	2220	0316	0723
구름(1/8)	8.0	7.6	5.8	4.2	6.6	6.8	7.0	7.4	3.2	2.0	0.4	7.0	7.8	8.0	7.6	6.7
Average Amount of Cloud	6.8	6.4	7.0	6.8	8.0	7.8	8.0	8.0	7.8	7.2	7.0	7.4	8.0	7.8	8.0	5.5
폭풍설 시작 시간 Start Time																
Blizzard	현상없음(NO OCCURRENCE)															
끝 시간 End Time																
계속 시간 Duration of Blizzard																

1993년 12월

요 소 Element	일 Date												월 Month			
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15
수평면일사량(0.001MJ/㎡) Hor. Global Solar Rad.	15401	11485	17995	26190	17416	14559	15632	12522	22350	27658	33367	14949	12713	10435	21974	513635
	20389	14719	16911	21214	8705	2540	9232	11794	17394	25448	19485	13709	13115	15281	10908	18145
적 설 최 심 Max. Depth Snow Cover	9.0	7.0	6.0	5.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	2.5	2.5	2.0	7.5
	2.0	1.5	1.0	1.0	1.0	0.5	-	-	0.0	0.0	0.0	-	-	-	10.3	7.5
신적설 합 계 Total	1.0	-	-	-	0.0	1.8	0.0	0.3	0.0	-	-	-	0.0	0.3	0.5	13.9
최 심 Max. Depth Snow Fall	-	0.0	0.0	0.0	0.4	-	-	-	-	0.0	0.0	-	-	-	9.6	30일
날 Date																
기	맑음 Clear									v	v					2
상	개	일 Partly Cloudy		v	v				v							4
현	흐	림 Cloudy			v	v	v	v	v	v	v	v	v	v	v	25
상	눈	Snow			v	v	v	v	v	v	v	v	v	v	v	16
	비	Rain			v	v	v	v	v	v	v	v	v	v	v	11
	진 눈	깨 비 Sleet								v	v	v	v	v	v	1
Meteo. Phenomena	안	개 Fog								v						2
	박	무 Mist				v										9
유	빙	Drift Ice	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC
(Marian Cove/Maxwell Bay)										MB/MC	MC					

풍향별 최대풍속 Maximum wind speed for directions (unit : m/s)

1993년 12월

요소 일 Date	Element	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
1		17.7	21.0	7.8	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	5.2	3.8	6.1	0.0	9.3
2		27.1	27.1	0.0	0.0	0.0	0.0	3.1	5.2	5.5	0.0	3.4	0.0	8.8	10.2	13.7	
3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	10.2	10.0	3.7	4.2
4		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	10.2	10.2	8.3	6.9
5		12.1	10.7	11.3	11.4	10.9	8.8	0.0	0.0	0.0	0.0	0.0	0.0	7.4	7.2	11.9	11.9
6		8.7	0.0	15.7	12.5	12.8	12.7	15.5	9.0	5.6	0.0	0.0	0.0	0.0	7.6	6.0	8.9
7		6.7	0.0	0.0	3.8	3.7	4.8	4.9	6.5	6.9	5.8	4.1	2.2	6.7	7.1	5.4	6.8
8		2.7	2.7	0.0	0.0	2.1	0.0	1.5	1.8	6.3	8.0	8.1	8.0	6.7	3.0	2.4	3.7
9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	12.9	12.7	8.8	6.2	0.0	0.0	0.0
10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.7	5.8	5.7	5.8	5.0	5.0	4.8	0.0
11		4.5	8.1	7.5	6.0	7.6	0.0	0.0	0.0	0.0	0.0	3.3	3.1	3.1	3.2	4.0	4.7
12		0.0	4.7	6.1	8.8	8.0	5.2	0.0	0.0	2.7	3.1	2.6	2.5	6.6	5.8	5.1	4.8
13		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	5.5	8.9	8.7	8.4	4.0	4.0	0.0
14		6.3	5.5	7.2	17.1	17.2	0.0	0.0	1.5	2.4	0.0	0.0	0.0	5.9	6.4	5.6	5.9
15		0.0	0.0	0.0	16.1	17.7	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16		0.0	0.0	0.0	8.1	12.4	9.3	7.4	7.2	4.8	0.0	0.0	0.0	0.0	1.9	1.9	0.0
17		5.8	0.0	6.0	5.2	8.8	4.7	4.0	5.2	5.2	0.0	1.7	0.0	3.5	4.9	6.3	7.1
18		3.6	6.4	6.6	6.2	5.9	4.9	5.8	3.5	0.0	0.0	0.0	0.0	4.5	4.2	4.2	4.4
19		0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	7.4	7.4	6.7	6.2	4.8	3.5	4.8	4.3
20		25.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	9.4	7.7	1.9	2.2	4.2	5.5	7.0
21		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	12.0	14.0	13.0	18.1
22		14.9	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	12.7	17.8
23		19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	9.0	17.0	
24		20.6	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25		7.2	0.0	0.0	0.0	0.0	0.0	2.9	0.0	4.8	5.0	0.0	5.0	6.1	9.3	10.2	10.1
26		9.3	3.2	3.7	4.1	7.3	0.0	6.5	6.2	6.3	4.3	7.2	6.9	8.2	7.6	8.2	9.5
27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	13.0	12.3	12.1	12.3	10.8	8.3	0.0
28		17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	7.6	13.7
29		12.3	11.7	9.2	11.6	15.6	14.4	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30		0.0	0.0	0.0	0.0	15.8	16.9	6.9	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31		5.0	1.6	8.1	9.5	7.4	1.4	5.5	7.1	1.4	0.0	0.0	0.0	0.0	4.4	4.3	8.2
월	Month	27.1	30.0	15.7	17.1	17.7	16.9	15.5	10.0	11.6	13.0	12.7	12.3	12.3	14.0	13.0	18.1

풍향별 관측횟수의 백분율 Rate of frequency of wind directions (unit : 0.1%)

1993년 12월

요소 일 Date	북 N	북북동 NNE	북동 NE	동북동 ENE	동 E	동남동 ESE	남동 SSE	남남동 SSE	남 S	남남서 SSW	남서 SSW	서남서 WSW	서 W	서북서 WNW	북서 NNW	북북서 NNW	정온 CLM
1	259	427	105	0	0	0	0	0	7	0	0	14	42	21	0	105	21
2	245	217	0	0	0	0	14	168	105	0	7	0	0	70	49	91	35
3	0	0	0	0	0	0	0	0	0	0	0	301	301	280	49	70	0
4	0	0	0	0	0	0	0	0	0	0	0	119	399	266	84	133	0
5	273	28	21	42	28	14	0	0	0	0	0	0	21	203	196	175	0
6	70	0	56	49	70	63	210	56	35	0	0	0	112	49	210	21	21
7	14	0	0	35	7	14	35	28	238	49	70	28	77	126	133	21	21
8	14	21	0	0	14	0	7	42	63	91	112	280	119	21	49	63	105
9	0	0	0	0	0	0	0	0	28	238	399	280	35	0	0	0	21
10	0	0	0	0	0	0	7	7	28	104	56	243	174	188	167	0	35
11	112	70	364	133	84	0	0	0	0	0	7	21	14	35	70	91	0
12	0	98	63	168	126	7	0	0	14	56	63	21	70	105	182	28	0
13	0	0	0	0	0	0	0	0	0	63	63	301	406	154	14	0	0
14	42	21	98	126	273	0	0	0	7	7	0	0	70	217	42	77	21
15	0	0	0	28	951	21	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	35	451	201	97	146	7	0	0	0	0	7	42	0	14
17	35	0	70	7	246	7	14	56	261	0	7	0	7	56	99	77	56
18	21	42	70	35	70	91	91	21	0	0	0	0	0	7	315	224	14
19	0	0	0	0	0	0	0	21	236	208	69	153	139	56	69	49	0
20	231	245	0	0	0	0	0	0	7	154	21	28	14	42	35	168	56
21	0	0	0	0	0	0	0	0	0	0	0	205	233	370	137	55	0
22	115	7	0	0	0	0	0	0	0	0	0	0	0	22	237	619	0
23	91	0	0	0	0	0	0	0	0	0	0	7	0	154	748	0	0
24	232	28	0	0	0	0	0	0	0	0	0	0	0	7	204	528	0
25	35	0	0	0	0	7	7	0	21	7	0	14	167	160	354	236	0
26	28	14	7	7	56	0	14	56	257	132	63	42	83	76	63	42	42
27	0	0	0	0	0	0	0	0	28	98	189	203	336	105	42	0	0
28	175	0	0	0	0	0	0	0	0	0	0	0	21	147	308	350	0
29	188	111	97	76	167	69	0	0	0	0	7	0	0	83	201	0	0
30	0	0	0	0	476	392	49	70	14	0	0	0	0	0	0	0	0
31	7	7	229	63	125	14	35	97	7	0	0	0	0	28	83	243	63
월 Month	71	44	39	26	103	29	19	25	45	40	37	71	85	89	106	154	17