

METEOROLOGICAL DATA AT MIZUHO STATION, ANTARCTICA
IN 1982

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1. Introduction

Mizuho Station (formerly Mizuho Camp; officially renamed Mizuho Station in March 1978) was established in July 1970, at the elevation of 2230 m. The international index number 89544 for meteorological station was given from WMO in October 1977. Surface meteorological observations have been done intermittently between July 1970 and March 1976 and continuously after April 1976.

The data were published in the Japanese Antarctic Research Expedition (JARE) Data Reports (Meteorology), Nos. 25, 30, 40, 47, 52, 57, 65 and 77.

The present report contains the surface synoptic data in 1982 taken mainly by the members of JARE-23. Observers were; J. Inoue et al. (JARE-22) (January 1-20), S. Takahashi (January 21-March 17, April 18-30, May 12 - June 22, July 5 - August 8, August 16 - October 29), T. Katsushima (March 18 - April 17), H. Ohmae (May 1-11, June 23 - July 4, August 9-15), M. Sasaki (October 30-December 31).

Surface synoptic reports (FM11-C-SYNOP) at 12 GMT (1500 LT) have been sent to World Meteorological Center (Melbourne) through Syowa Station (Index number 89532).

2. Instruments and Methods

Wind direction and speed (10-minute mean), atmospheric pressure and air temperature were recorded continuously. Clouds, visibility and weather phenomena were observed visually at 0900 LT, 1500 LT and 2100 LT (45°E LMT, GMT+3h).

1) Wind direction and wind speed

Windmill type anemometer with a wind vane was installed at the height of 6.9 m above the snow surface. The wind speed was obtained as instantaneous and 10-minute mean values. Accuracy of wind speed is less than 0.5 m/s below 10 m/s and less than 5 % above 10 m/s, and of wind direction is $\pm 5^\circ$.

2) Atmospheric pressure

Precision aneroid barometer was set inside the observatory. Its accuracy is ± 1 mb.

3) Air temperature

A platinum resistance thermometer was placed inside a radiation shelter at the height of 1.4 m. Accuracy of this thermometer is $\pm 0.5^\circ\text{C}$. The maximum and minimum temperatures of a day were taken for the period of 0-24 h. Comparing with standard thermometer and standard resistances, the corrections to be added to the readings were:

+1.0°C for the readings between +5.0 and -7.0°C,
+1.1°C for -7.1 - -19.1°C,

+1.2°C for -19.2 – -31.2°C,
+1.3°C for -31.3 – -43.2°C,
+1.4°C for -43.3 – -55.3°C,
and +1.5°C for -55.4 – -67.4°C.

4) Visibility, clouds and weather phenomena

Visibility was observed visually by using a series of fuel drums set at the distance of 2 km. Amount of cloud was observed visually. Genus of cloud and weather phenomena were observed visually according to the WMO Standards. The items were observed three times a day mainly at 0900 LT, 1500 LT and 2100 LT (45°E LMT, GMT+3h).

The meteorological elements (1) - (3) were recorded continuously on two analog recorders.

3. Notations in Tables

1) Tables 1, 2

\bar{P}_{st}	Monthly mean pressure at station level
P_{st}	Daily mean pressure at station level (Average of 3-hourly values)
\bar{T}	Monthly mean air temperature
T_m	Daily mean air temperature (Average of 3-hourly values)
T_x	Daily maximum air temperature
T_n	Daily minimum air temperature
\bar{T}_x	Monthly mean of T_x
\bar{T}_n	Monthly mean of T_n
T_{xx}	Extreme value of T_x

Tnn	Extreme value of Tn
N	Daily mean amount of cloud (1/10)
\bar{V}	Monthly mean wind speed
Vm	Daily mean wind speed (Average of 3-hourly values)
Vx	Daily maximum wind speed (10-minute mean)
Vxx	Monthly maximum wind speed (10-minute mean)
Vi	Daily maximum instantaneous wind speed
Vii	Monthly maximum instantaneous wind speed

2) Table 3

LT	Local standard time (45°E LMT, GMT+3h)
PPP(PST)	Pressure at station level
TT	Air temperature
DD	Wind direction in 16 directions (N 16, E 04, etc.; when the wind speed is less than 0.5 m/s: 00)
VV	Wind speed (10-minute mean)
A	Characteristic of pressure tendency (WMO code)
pp	Amount of pressure tendency (WMO code)
N	Amount of cloud (1/10)
WW	Present weather (WMO code)
V	Visibility
C_L, C_M, C_H	Genus of cloud (WMO code)

BS Intensity of blowing snow defined by the following criteria with visibility V.

- A(+²) Blowing snow ($V \leq 200$ m)
- B(+¹) Blowing snow ($200 \text{ m} < V \leq 500$ m)
- C(+²) Drifting snow ($V \leq 500$ m)
- D(+¹) Drifting snow ($500 \text{ m} < V \leq 2$ km)
- E(+⁰) Drifting snow ($V > 2$ km)
- No drifting snow

Parenthesized symbols are for Table 2.

3) Symbols of phenomena

*		Snow
-		Ice prisms
≡		Ice fog
⊕		Solar and lunar halo

4) Cloud form

Ci		Cirrus		Sc		Stratocumulus
Cc		Cirrocumulus		St		Stratus
Cs		Cirrostratus		Ns		Nimbostratus
Ac		Alto cumulus		Cu		Cumulus
As		Altostratus		Cb		Cumulonimbus

- a) The parenthesized item means an estimated value or indistinct phenomenon.
- b) "*" is attached to BS when snow or ice prism is observed and "·" when ice fog is observed.
- c) A numeral prefixed to cloud form means amount of cloud (ex. 2Ac, 3Ci, etc.).

Table 1. Monthly summaries of surface meteorological data in 1982.

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	YEAR
\bar{P}_{st} (mb)	740.7	733.5	725.6	726.4	727.9	723.8	726.3	722.4	717.6	727.8	737.4	745.7	729.6
\bar{T} (°C)	-19.3	-26.1	-30.5	-38.7	-40.7	-40.4	-41.6	-44.6	-42.9	-35.0	-22.9	-16.5	-33.3
\bar{T}_x (°C)	-14.5	-21.4	-27.1	-35.1	-36.5	-36.2	-38.1	-41.3	-39.2	-30.6	-18.5	-12.8	-29.3
T_{xx} (°C)	-2.7	-14.2	-19.2	-25.6	-21.6	-24.3	-25.6	-28.4	-27.7	-21.5	-13.0	-5.9	-2.7
(Date)	12	14	3	6	29	26	16	5	6	26	7	27	12 JAN.
\bar{T}_n (°C)	-25.0	-31.1	-35.1	-42.6	-44.5	-43.9	-44.9	-47.7	-47.7	-39.8	-28.1	-21.3	-37.7
T_{nn} (°C)	-30.7	-38.5	-48.4	-49.4	-51.8	-54.0	-55.5	-58.4	-57.7	-46.3	-45.9	-28.2	-58.4
(Date)	22	28	30	29	21	23	29	22	3	13	1	9	22 AUG.
\bar{V} (m/s)	8.2	10.4	9.4	11.8	13.2	11.2	13.2	11.8	12.2	11.9	10.7	9.3	11.1
V_{xx} (m/s)	16.5	22.0	15.7	19.0	23.0	20.5	20.4	18.4	19.6	20.0	20.6	17.9	23.0
(Direction)	E	E	E	E	NE	ESE	ESE	ESE	E	ESE	ENE	E	NE
(Date)	28	3	18	17	29	2	21	29	6	28	3	20	29 MAY
V_{ii} (m/s)	19.6	24.8	19.4	23.9	29.3	26.0	26.0	22.6	23.4	26.0	24.7	19.9	29.3
(Direction)	E	E	E	E	NE	NNE	ESE	ESE	E	ESE	ENE	E	NE
(Date)	28	3	19	17	29	26	21	29	6	28	3	20	29 MAY
Number of days													
V_x 10-14.9	16	19	19	16	15	14	12	19	13	15	18	22	198
15-	3	4	2	13	16	11	18	11	16	14	8	4	120

Table 2. Daily summaries of surface meteorological data in 1982.

JANUARY 1982									
DATE	PST (mb)	TH (°C)	TX (°C)	TN (°C)	N	VH (m/s)	VX (m/s)	VI (m/s)	PHENOMENA
1	737.2	-16.5	-12.7	-20.8	1.3	8.3	10.6 E	11.5 E	
2	740.3	-17.5	-11.6	-23.0	5.0	5.8	8.7 E	9.1 E	
3	745.4	-17.1	-14.8	-20.6	9.3	6.9	10.8 ENE	12.2 ENE	† ₀ *
4	745.4	-17.9	-13.2	-23.8	6.3	5.8	9.5 ENE	10.0 ENE	† ₀ *
5	741.2	-18.9	-14.8	-24.7	4.3	7.4	9.8 ENE	10.6 ENE	
6	746.5	-19.2	-15.9	-23.6	6.0	8.3	12.3 E	13.8 E	† ₀
7	741.2	-19.1	-13.5	-25.5	0.0	8.8	12.0 E	13.0 E	
8	734.5	-18.8	-14.9	-22.5	0.0	13.8	16.0 E	17.5 E	† ₁
9	738.5	-19.7	-15.6	-24.1	0.7	10.9	13.4 E	15.1 E	† ₁
10	736.6	-19.2	-15.6	-24.5	1.7	9.7	12.8 E	14.9 E	
MEAN	740.7	-18.4	-14.3	-23.3	3.5	8.6			
11	737.1	-16.4	-11.9	-22.3	9.7	7.2	10.7 ENE	11.5 ENE	*
12	740.5	-15.2	-2.7	-22.6	1.3	3.5	6.5 E	6.5 E	
13	738.6	-19.6	-12.9	-26.4	1.0	5.6	7.8 E	8.2 E	
14	737.9	-18.9	-14.0	-23.3	3.0	5.7	8.2 E	8.5 E	
15	739.8	-20.1	-14.9	-27.7	4.0	6.6	9.5 E	10.0 E	* † ₀
16	737.8	-17.6	-15.5	-22.6	10.0	7.1	11.0 ENE	12.2 ENE	
17	741.5	-17.1	-13.1	-24.4	7.0	4.6	7.0 NE	7.0 NE	
18	742.7	-21.1	-16.8	-26.0	2.3	7.7	11.0 ENE	12.1 ENE	
19	741.6	-19.1	-15.4	-25.8	5.7	7.1	9.2 ENE	10.3 E	
20	738.4	-21.5	-16.7	-25.7	0.0	9.9	11.4 E	12.8 E	
MEAN	739.6	-18.7	-13.4	-24.7	4.4	6.5			
21	741.6	-22.8	-17.8	-27.3	0.0	7.9	11.5 E	13.0 E	
22	741.9	-23.8	-17.5	-30.7	0.0	5.7	9.4 ENE	10.8 ENE	
23	740.9	-23.6	-16.7	-30.6	0.0	6.7	9.2 E	9.8 E	
24	744.5	-21.1	-14.9	-29.2	0.0	5.8	9.8 ENE	10.8 ENE	
25	743.3	-20.6	-15.7	-28.7	9.0	8.1	10.9 E	12.0 E	
26	740.2	-18.5	-14.1	-23.2	7.7	12.3	14.3 E	16.4 E	† ₁
27	741.2	-18.0	-14.6	-22.6	5.7	13.7	15.2 E	18.0 E	† ₁
28	741.2	-20.0	-15.5	-24.8	0.0	14.7	16.5 E	19.6 E	† ₁
29	741.4	-19.5	-14.7	-24.2	0.0	11.3	13.4 E	15.8 E	† ₁
30	740.2	-20.7	-15.9	-25.3	1.7	10.3	12.2 E	14.9 E	† ₁
31	742.2	-20.6	-17.1	-27.4	6.7	7.3	10.3 E	11.4 E	*
MEAN	741.7	-20.8	-15.9	-26.7	2.8	9.4			
MONTHLY MEAN	740.7	-19.3	-14.5	-25.0	3.5	8.2			

FEBRUARY 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VM (m/s)	VX (m/s)	VI (m/s)	PHENOMENA		
1	743.6	-20.5	-16.6	-26.3	0.7	8.0	9.9	E	11.1	E	☁
2	736.3	-23.8	-20.2	-28.0	2.0	13.1	15.0	E	16.7	E	☁
3	729.9	-22.8	-18.5	-28.5	7.0	16.3	22.0	E	24.8	E	☁
4	736.3	-21.1	-18.0	-24.4	9.7	14.0	19.3	E	21.9	E	☁
5	734.2	-22.2	-18.1	-25.9	9.0	13.1	14.8	E	16.4	E	☁
6	733.0	-24.8	-20.1	-29.1	2.0	10.2	13.1	E	14.6	E	☁
7	734.7	-26.9	-22.1	-30.9	0.0	10.7	12.0	E	13.0	E	☁
8	736.0	-27.1	-21.7	-32.0	5.7	7.8	11.0	E	12.3	E	
9	735.7	-27.1	-21.0	-32.9	1.0	7.9	10.4	E	11.6	E	
10	737.6	-26.7	-21.0	-32.6	4.3	6.9	9.1	E	9.9	E	
MEAN	735.7	-24.3	-19.7	-29.1	4.1	10.8					
11	734.6	-26.9	-22.1	-32.7	0.3	10.7	14.6	ENE	16.5	ENE	☁
12	727.7	-24.1	-21.0	-29.1	7.3	15.9	18.6	E	21.9	E	☁
13	725.4	-21.4	-18.0	-27.0	6.7	10.0	14.2	E	16.2	E	☁ *
14	738.6	-18.3	-14.2	-24.7	4.0	7.2	9.6	NE	10.8	NE	☁ *
15	741.3	-19.2	-17.1	-23.1	6.3	9.8	13.6	E	15.0	E	☁
16	739.8	-22.0	-18.4	-26.1	7.3	10.9	13.2	E	14.9	E	☁
17	736.4	-24.5	-19.2	-29.2	0.0	12.4	14.0	E	15.4	E	☁
18	733.5	-26.6	-21.7	-31.1	7.7	11.8	14.3	E	16.5	E	☁
19	730.1	-31.1	-27.0	-35.2	0.3	11.4	14.4	E	16.2	E	☁
20	728.4	-29.1	-24.5	-35.6	9.0	12.1	14.8	E	16.9	E	☁ *
MEAN	733.6	-24.3	-20.3	-29.4	4.9	11.2					
21	728.7	-29.2	-24.7	-34.1	6.3	8.7	10.5	E	12.2	E	☁
22	729.7	-30.0	-24.8	-35.3	7.0	8.9	10.9	E	13.3	E	☁
23	731.4	-30.7	-25.0	-35.2	3.3	7.7	9.2	E	9.9	E	☁
24	729.5	-32.0	-26.6	-37.9	0.0	10.9	12.3	E	13.6	E	☁
25	727.8	-30.6	-25.8	-34.6	2.0	11.6	13.0	E	15.4	E	☁
26	731.4	-30.2	-25.1	-34.8	4.7	9.1	12.0	E	13.6	E	☁
27	734.9	-29.9	-22.2	-36.7	2.0	4.5	7.3	ENE	7.8	ENE	☁
28	732.4	-31.6	-25.6	-38.5	3.3	9.0	11.7	E	12.7	E	☁ *
MEAN	730.7	-30.5	-25.0	-35.9	3.6	8.8					
MONTHLY MEAN	733.5	-26.1	-21.4	-31.1	4.2	10.4					

MARCH 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VM (m/s)	VX (m/s)	VI (m/s)	PHENOMENA
1	726.3	-28.5	-23.1	-35.4	3.3	6.9	12.3 ENE	14.2 ENE	☄ *
2	725.9	-24.4	-20.4	-27.6	9.0	6.3	8.5 ENE	9.3 ENE	☄ **
3	726.3	-23.7	-19.2	-29.1	10.0	7.2	10.4 N	12.2 N	☄ *
4	726.5	-25.4	-21.8	-27.8	9.3	6.7	9.5 ENE	10.5 ENE	* ☄
5	724.0	-22.5	-19.5	-28.5	10.0	9.4	12.2 ENE	14.8 ENE	* ☄
6	723.7	-26.8	-21.4	-31.4	6.7	7.8	9.2 ENE	10.0 ENE	☄ ☄
7	727.7	-25.8	-22.1	-30.1	9.3	5.7	8.2 ENE	8.6 ENE	☄ ☄ ⊕
8	731.1	-29.8	-25.6	-36.5	7.0	7.6	9.0 ENE	9.7 ENE	☄ ☄ ⊕
9	725.4	-33.4	-27.7	-38.9	9.0	6.8	9.6 E	10.7 E	☄ ☄
10	723.9	-26.1	-23.1	-30.9	10.0	6.7	9.2 NE	10.7 NNE	* ☄
MEAN	726.1	-26.6	-22.4	-31.6	8.4	7.1			
11	726.6	-27.9	-25.0	-32.7	3.7	7.7	9.9 ENE	12.3 ENE	☄ ☄
12	727.1	-21.9	-20.0	-24.6	9.3	11.5	13.2 NE	16.0 NE	☄ ☄ ☄ *
13	728.8	-23.9	-21.0	-29.6	6.8	9.6	11.1 E	12.3 NE	☄ ☄ *
14	727.0	-27.2	-25.3	-30.0	8.0	10.0	11.3 E	13.3 E	☄ ☄ ☄
15	732.9	-28.2	-23.9	-32.4	6.3	8.8	11.2 E	12.3 E	☄ ☄ ☄
16	735.2	-32.0	-28.0	-37.2	5.7	11.1	13.4 E	15.6 E	☄ ☄ ☄
17	733.3	-37.1	-32.9	-40.7	0.0	12.0	13.9 E	16.0 E	☄ ☄ ☄
18	734.1	-39.0	-34.0	-42.0	2.0	13.8	15.7 E	19.0 E	☄ ☄ ☄
19	728.8	-39.4	-35.7	-42.6	0.0	13.6	15.6 E	19.4 E	☄ ☄ ☄
20	723.7	-37.0	-30.7	-43.1	4.7	11.2	13.8 E	18.6 E	☄ ☄ ☄
MEAN	729.8	-31.4	-27.7	-35.5	4.7	10.9			
21	730.1	-26.9	-25.0	-30.7	10.0	5.3	8.4 ENE	10.9 NE	* ☄
22	727.6	-28.6	-35.3	-30.2	10.0	10.7	14.1 ENE	17.7 ENE	☄ *
23	720.9	-30.7	-27.3	-36.8	7.3	12.5	14.8 ENE	18.0 ENE	☄ ☄ *
24	719.1	-38.8	-36.0	-42.6	0.0	9.2	12.4 E	14.1 E	☄ ☄ *
25	714.9	-35.4	-29.8	-44.4	8.7	5.6	7.7 E	8.4 E	☄ ☄ *
26	719.6	-24.0	-20.7	-31.3	10.0	10.7	13.0 NNW	16.0 NNW	☄ ☄ *
27	728.5	-22.9	-20.2	-28.2	9.0	8.8	13.6 NNW	16.0 NNW	☄ ☄ *
28	724.6	-28.3	-25.6	-33.7	8.0	10.1	11.7 E	13.9 E	☄ ☄ *
29	717.6	-40.4	-33.7	-44.4	0.0	13.0	14.7 E	17.7 E	☄ ☄
30	716.1	-46.4	-44.4	-48.4	3.7	12.4	14.7 E	18.0 E	☄ ☄
31	716.9	-44.4	-42.6	-47.1	4.3	13.2	14.8 E	17.2 E	☄ ☄
MEAN	721.4	-33.3	-31.0	-38.0	6.5	10.1			
MONTHLY MEAN	725.6	-30.5	-27.1	-35.1	6.5	9.4			

APRIL 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VW (m/s)	VX (m/s)	VI (m/s)	PHENOMENA	
1	718.8	-39.6	-34.5	-45.6	8.3	11.9	13.5	E	16.1 E	† ¹
2	722.1	-33.4	-31.1	-35.5	6.0	9.7	12.5	ENE	15.0 ENE	† ⁰
3	723.5	-37.5	-34.8	-39.1	3.3	9.5	12.9	ENE	14.4 ENE	† ⁰
4	713.1	-29.4	-25.6	-36.2	9.0	15.9	17.4	ENE	21.8 NE	† ² *
5	718.9	-28.0	-27.0	-29.3	9.7	10.7	15.9	NE	18.6 NE	† ¹ *
6	724.2	-28.2	-25.6	-31.5	10.0	8.0	10.2	NNE	12.0 NNE	† ¹ *
7	725.4	-31.9	-30.0	-33.5	9.3	8.7	10.2	ENE	12.3 ENE	† ⁰
8	717.8	-29.2	-26.8	-32.3	10.0	12.3	15.2	ENE	17.7 E	† ² *
9	716.5	-35.4	-28.7	-46.6	8.7	12.0	14.1	ESE	17.0 ESE	† ² *
10	721.7	-43.6	-39.9	-48.4	1.7	11.8	15.3	ESE	18.2 ESE	† ³
MEAN	720.2	-33.6	-30.4	-37.8	7.6	11.1				
11	718.3	-33.3	-30.2	-43.1	9.0	14.3	15.6	E	18.9 E	† ² *
12	734.1	-40.8	-34.5	-43.0	5.0	13.7	14.5	E	18.4 E	† ²
13	741.6	-40.2	-36.9	-44.1	0.0	13.9	16.0	ESE	19.1 ESE	† ²
14	739.6	-37.7	-35.7	-39.3	1.3	15.1	17.2	ESE	21.4 ESE	† ²
15	734.0	-39.3	-35.7	-43.1	0.0	13.4	16.8	E	20.0 E	† ¹
16	738.9	-43.1	-41.0	-44.6	0.3	14.6	18.0	ESE	21.5 ESE	† ²
17	733.6	-44.7	-42.6	-47.8	0.7	17.3	19.0	E	23.9 E	† ²
18	729.6	-40.2	-38.4	-42.6	5.0	14.0	16.8	E	20.0 E	† ¹
19	722.0	-33.7	-26.8	-42.3	10.0	12.0	15.3	E	18.8 E	† ² *
20	727.7	-35.6	-28.3	-37.9	8.7	7.5	9.3	NE	10.9 ENE	*
MEAN	731.9	-38.9	-35.0	-42.8	4.0	13.6				
21	726.0	-44.6	-37.9	-48.4	3.3	9.9	12.6	E	15.3 E	† ¹
22	727.4	-47.0	-42.9	-48.9	3.7	10.6	12.2	E	14.8 E	† ²
23	728.0	-46.0	-43.7	-47.3	5.7	10.5	11.8	E	15.0 E	† ² *
24	722.6	-47.0	-45.6	-47.8	0.7	11.0	11.4	E	13.6 E	† ² *
25	723.2	-44.7	-40.9	-47.4	5.3	8.5	11.4	E	13.9 E	† ² *
26	728.4	-39.4	-32.9	-44.8	5.0	10.3	12.0	ENE	15.0 ENE	† ² ↑ *
27	728.2	-34.1	-29.8	-40.5	6.0	10.8	11.5	E	14.2 ENE	† ² *
28	731.5	-44.5	-40.5	-49.2	4.3	9.7	11.2	E	16.9 E	† ⁰
29	729.7	-44.2	-41.9	-49.4	4.7	12.5	14.5	E	17.0 E	† ²
30	724.5	-45.2	-43.5	-48.4	6.0	13.7	16.3	E	19.7 E	† ²
MEAN	727.0	-43.7	-40.0	-47.2	4.5	10.8				
MONTHLY MEAN	726.4	-38.7	-35.1	-42.6	5.4	11.8				

MAY 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VM (m/s)	VX (m/s)	VI (m/s)	PHENOMENA	
1	721.5	-47.0	-44.1	-48.7	8.3	16.7	18.1	E	22.5 E	+
2	719.2	-45.6	-42.6	-48.0	4.0	15.3	18.5	E	23.4 E	+
3	719.4	-49.8	-48.2	-50.9	0.7	10.8	13.6	E	16.7 E	+
4	719.1	-37.6	-31.8	-48.2	10.0	16.4	19.9	E	25.0 E	+
5	721.9	-43.2	-33.7	-49.8	7.3	9.7	11.1	E	13.2 E	+
6	725.1	-45.4	-41.5	-49.7	1.3	12.0	14.8	ESE	17.2 ESE	+
7	721.6	-32.1	-28.3	-43.6	10.0	14.4	16.5	E	20.0 E	+
8	729.2	-38.1	-28.5	-41.9	2.7	12.3	15.8	E	19.3 E	+
9	732.1	-43.9	-41.2	-45.1	0.7	12.5	14.2	E	16.1 E	+
10	730.7	-41.5	-39.7	-44.1	5.7	14.1	19.7	E	23.2 E	+
MEAN	724.0	-42.4	-38.0	-47.0	5.1	13.4				
11	734.4	-41.9	-39.7	-43.8	5.3	11.7	13.3	E	17.1 E	+
12	741.7	-45.5	-43.8	-46.5	2.0	11.5	12.8	E	14.0 E	+
13	742.6	-43.1	-41.5	-45.3	5.3	11.8	12.8	E	14.3 E	+
14	736.9	-34.7	-26.0	-42.9	8.3	15.7	21.0	E	25.4 E	+
15	728.7	-26.2	-24.2	-30.3	7.3	14.4	21.2	ENE	26.0 ENE	+
16	731.9	-35.3	-30.3	-39.2	6.0	12.3	13.8	E	16.6 E	+
17	730.1	-38.2	-34.5	-42.0	7.3	10.6	11.9	E	14.0 E	+*
18	730.1	-48.5	-35.9	-51.0	2.7	12.6	13.4	E	16.0 E	+
19	727.5	-50.7	-49.8	-51.4	1.0	12.0	13.4	E	15.5 E	+
20	720.9	-50.5	-49.5	-51.6	0.7	13.0	14.0	E	16.5 E	+
MEAN	732.5	-41.5	-37.5	-44.4	4.6	12.6				
21	723.2	-46.6	-38.3	-51.8	6.0	12.1	13.6	E	20.0 E	+
22	734.5	-33.8	-32.1	-38.3	9.3	13.5	15.5	E	19.0 E	+*
23	735.8	-39.4	-33.9	-42.4	5.3	13.9	15.9	E	19.5 E	+*
24	732.8	-44.1	-40.4	-48.6	0.0	13.1	14.4	E	17.0 E	+
25	723.5	-49.0	-47.6	-50.4	2.0	13.3	15.6	ESE	19.6 ESE	+
26	718.9	-47.2	-46.6	-48.4	0.0	13.8	15.2	ESE	18.9 ESE	+
27	724.0	-46.2	-43.4	-48.6	6.7	10.5	13.0	E	15.8 E	+
28	728.0	-33.7	-24.5	-46.1	10.0	14.1	18.6	ENE	22.7 ENE	+*
29	724.9	-22.7	-21.7	-24.5	10.0	19.0	23.0	NE	29.3 NE	+*
30	727.0	-26.2	-22.4	-29.7	8.0	13.6	17.1	ENE	20.4 ENE	+
31	728.8	-34.3	-27.2	-37.4	1.3	13.9	16.2	E	21.1 E	+
MEAN	727.4	-38.5	-34.4	-42.4	5.3	13.7				
MONTHLY MEAN	727.9	-40.7	-36.5	-44.5	5.0	13.2				

JUNE 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VH (m/s)	VX (m/s)	VI (m/s)	PHENOMENA
1	727.8	-40.0	-36.4	-43.7	0.0	15.4	18.9 ESE	24.0 ESE	† ²
2	728.2	-42.7	-41.7	-43.9	0.0	17.4	20.5 ESE	25.0 ESE	† ²
3	730.2	-43.2	-39.7	-44.8	1.5	15.6	17.9 E	21.0 E	† ²
4	729.6	-39.4	-37.5	-40.7	5.0	16.3	17.6 E	21.9 E	† ²
5	726.0	-41.8	-37.3	-43.9	1.0	14.6	16.0 E	19.4 E	† ²
6	726.5	-46.8	-43.9	-49.3	6.7	12.7	14.3 E	18.6 E	† ² III
7	733.1	-50.2	-48.6	-51.8	1.3	12.1	14.3 E	18.0 E	† ²
8	730.4	-40.8	-34.4	-48.9	8.7	13.3	15.3 E	19.2 E	† ² III *
9	731.6	-33.0	-31.2	-34.4	10.0	6.1	9.5 ENE	11.3 ENE	* †
10	732.4	-38.4	-30.7	-44.2	4.7	8.0	15.1 E	17.4 E	† *
MEAN	729.6	-41.6	-38.1	-44.6	3.9	13.2			
11	716.6	-35.3	-33.1	-41.7	6.5	15.4	17.2 E	21.6 E	† ² *
12	726.5	-38.9	-35.6	-41.0	5.7	10.0	13.1 ENE	17.0 ENE	† ²
13	724.1	-41.6	-38.9	-42.8	6.7	9.5	10.9 E	12.7 E	† ⁶
14	714.7	-39.6	-35.4	-42.8	5.3	7.5	10.7 ENE	13.2 ENE	† ¹ *
15	719.6	-47.0	-40.5	-49.4	2.0	8.2	9.9 E	10.9 E	† ¹ III
16	723.8	-44.0	-35.6	-48.6	1.0	12.3	13.9 ENE	16.9 E	† ² I
17	723.5	-33.0	-29.8	-36.6	10.0	13.3	15.6 ENE	19.7 ENE	† ² *
18	719.6	-36.0	-30.4	-39.7	3.0	10.7	12.5 ENE	20.0 ENE	† ¹ III
19	718.4	-37.1	-31.7	-41.9	9.3	7.0	10.4 E	12.0 ENE	† ⁶ *
20	722.3	-36.0	-31.6	-39.8	6.3	5.2	6.1 ENE	7.0 NE	*
MEAN	720.9	-38.9	-34.3	-42.4	5.6	9.9			
21	725.8	-41.9	-37.2	-47.1	5.0	7.8	8.8 E	9.3 E	
22	723.8	-46.5	-40.7	-50.8	2.7	6.4	8.8 E	9.6 E	† ⁰ I
23	717.7	-52.3	-43.4	-54.0	3.0	9.0	10.0 E	12.9 E	† ² I
24	715.9	-43.2	-37.1	-52.6	9.3	9.7	11.5 ENE	14.5 ENE	† ² *
25	715.6	-32.0	-29.6	-37.1	9.3	11.7	17.2 NE	20.5 NE	† ² *
26	721.8	-26.8	-24.3	-30.4	10.0	13.9	19.9 NNE	26.0 NNE	† ² *
27	731.5	-35.3	-30.4	-37.5	4.7	9.6	11.4 ENE	12.6 ENE	† ² I
28	722.1	-37.5	-34.5	-39.6	5.3	13.0	14.5 E	17.3 E	† ² *
29	713.3	-45.2	-39.6	-48.8	0.0	12.9	14.3 E	17.1 E	† ²
30	720.5	-47.5	-46.1	-48.4	2.0	10.9	13.0 E	15.0 E	† ²
MEAN	720.8	-40.8	-36.3	-44.6	5.1	10.5			
MONTHLY MEAN	723.8	-40.4	-36.2	-43.9	4.9	11.2			

JULY 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VM (m/s)	VX (m/s)	VI (m/s)	PHENOMENA	
1	727.2	-45.6	-43.1	-48.1	2.7	8.9	10.5	E	12.6 E	† ²
2	725.0	-46.0	-42.9	-48.2	2.3	10.0	10.8	E	12.2 E	† ²
3	723.6	-46.8	-44.6	-48.9	3.3	10.9	12.1	E	17.3 ENE	† ² ↓
4	717.4	-51.5	-48.9	-54.2	1.3	12.3	13.0	E	15.4 E	† ² ↓
5	728.9	-40.7	-34.0	-49.5	6.7	13.1	17.2	E	20.3 E	† ² ↓ *
6	718.9	-39.5	-38.3	-41.0	2.5	14.9	17.4	E	21.4 ESE	† ² ↓
7	722.7	-34.6	-29.6	-40.1	8.3	14.6	16.9	E	20.6 E	† ² ↓
8	736.8	-31.8	-29.0	-33.5	9.3	12.9	17.1	E	21.8 E	† ² ↓
9	739.0	-40.5	-33.5	-45.2	2.0	9.8	11.1	E	13.0 ENE	† ²
10	730.6	-48.6	-45.0	-50.5	0.0	13.8	17.4	ESE	21.5 E	† ²
MEAN	727.0	-42.6	-38.9	-45.9	3.8	12.1				
11	724.8	-47.8	-47.2	-49.0	5.0	16.0	18.6	E	23.4 E	† ² ↓
12	729.8	-48.2	-44.3	-50.2	3.0	12.3	13.2	ENE	16.4 E	† ¹ ↓
13	739.5	-38.0	-34.7	-44.3	9.3	12.8	14.0	ENE	18.1 ENE	† ² *
14	739.8	-43.0	-35.8	-45.0	1.7	13.8	16.9	E	20.1 E	† ²
15	729.8	-39.6	-36.5	-42.6	0.5	15.0	16.5	E	19.5 E	† ²
16	728.0	-31.0	-25.6	-37.6	6.7	14.9	18.0	E	23.7 E	† ² *
17	728.6	-29.6	-25.7	-32.6	8.3	16.7	19.1	E	25.0 E	† ²
18	735.5	-29.9	-27.7	-32.4	10.0	13.3	15.5	E	19.4 E	† ² *
19	728.3	-35.5	-31.1	-39.0	2.3	16.1	17.7	E	23.4 E	† ²
20	723.0	-42.3	-39.0	-43.7	3.7	15.9	18.6	ESE	24.0 ESE	† ²
MEAN	730.7	-38.5	-34.8	-41.6	5.1	14.7				
21	721.6	-41.2	-39.6	-43.1	4.0	17.6	20.4	ESE	26.0 ESE	† ²
22	723.7	-42.5	-39.8	-43.6	3.7	15.6	18.3	E	22.0 E	† ²
23	723.4	-44.8	-41.9	-46.4	1.0	15.7	17.5	E	22.0 E	† ²
24	723.1	-47.1	-45.8	-48.2	0.0	15.1	17.2	E	20.9 E	† ²
25	717.8	-39.1	-32.7	-46.5	10.0	15.3	16.6	E	20.1 E	† ² *
26	723.3	-31.1	-30.0	-33.8	10.0	9.4	14.8	ENE	18.0 ENE	† ¹ *
27	723.0	-40.7	-33.8	-47.8	7.0	8.0	9.4	E	10.0 E	
28	712.1	-52.0	-47.8	-54.7	0.7	10.6	12.2	E	15.1 E	† ¹ ↓
29	711.2	-54.8	-52.7	-55.5	0.3	11.5	12.0	E	14.2 E	† ² ↓
30	724.4	-43.8	-40.7	-52.7	9.0	11.5	13.1	ENE	15.6 ENE	† ² ↓ ↓ *
31	734.1	-43.1	-40.5	-45.5	5.7	11.2	14.5	E	16.9 E	† ² ↓
MEAN	721.6	-43.7	-40.5	-47.1	4.7	12.9				
MONTHLY MEAN	726.3	-41.6	-38.1	-44.9	4.5	13.2				

AUGUST 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VM (m/s)	VX (m/s)	VI (m/s)	PHENOMENA	
1	738.0	-38.5	-36.9	-39.5	8.3	12.0	13.7	E	16.0 E	☄ ² ↓ ↓
2	729.8	-33.5	-30.8	-36.3	10.0	12.6	15.2	E	18.2 E	☄ ² ↓ ↓
3	719.9	-31.2	-30.2	-31.7	10.0	13.1	15.2	E	18.5 E	☄ ² ↓ ↓
4	723.3	-37.5	-31.6	-42.9	10.0	9.6	13.6	E	15.6 E	☄ ² ↓ ↓ ⊕
5	715.6	-30.0	-28.4	-37.6	10.0	13.2	18.0	E	21.2 E	☄ ² ↓ ↓ ⊕
6	723.5	-32.3	-29.4	-33.8	10.0	11.2	13.9	ENE	15.7 ENE	☄ ² ↓ ↓ ⊕
7	725.7	-38.4	-33.8	-42.5	7.0	12.0	14.0	E	16.5 E	☄ ¹ ↓ ⊕
8	721.0	-47.0	-42.5	-51.5	10.0	11.5	13.2	E	16.0 E	☄ ¹ ↓ ↓
9	715.2	-49.7	-48.2	-51.4	10.0	11.7	13.9	E	20.9 E	☄ ¹ ↓ ↓
10	714.5	-48.0	-46.2	-49.6	7.3	13.0	13.9	E	16.5 E	☄ ² ↓ ↓
MEAN	722.7	-38.6	-35.8	-41.7	9.3	12.0				
11	722.0	-50.1	-47.7	-51.2	7.3	11.5	13.4	E	16.6 E	☄ ¹ ↓ ↓
12	722.8	-50.6	-48.8	-51.9	6.7	9.3	11.5	E	13.3 E	☄ ¹ ↓ ↓
13	719.9	-49.2	-41.3	-52.0	7.0	8.6	10.0	E	11.8 ENE	☄ ¹ ↓ ↓
14	722.1	-38.5	-36.7	-42.1	10.0	8.5	9.7	E	11.3 ENE	☄ ¹ ↓ ↓ *
15	723.8	-36.9	-35.6	-38.7	10.0	11.0	12.2	E	14.3 E	☄ ¹ ↓ ↓
16	726.9	-43.5	-37.8	-47.4	2.3	12.0	13.1	E	15.0 E	☄ ¹ ↓ ↓
17	723.5	-48.6	-46.3	-50.5	0.0	14.3	16.5	E	20.0 E	☄ ¹ ↓ ↓
18	714.2	-49.4	-48.6	-50.5	6.5	15.6	16.7	E	20.7 E	☄ ¹ ↓ ↓
19	719.6	-50.5	-49.3	-51.0	0.3	11.3	16.1	E	19.8 E	☄ ² ↓ ↓
20	722.7	-53.3	-51.0	-54.8	0.0	9.6	10.9	E	13.7 E	☄ ² ↓ ↓
MEAN	721.8	-47.1	-44.3	-49.0	5.0	11.2				
21	721.1	-56.7	-54.8	-58.1	0.0	11.1	12.6	E	14.5 E	☄ ² ↓ ↓
22	726.4	-56.7	-55.1	-58.4	0.5	11.3	12.7	E	14.6 E	☄ ¹ ↓ ↓
23	731.6	-54.4	-50.6	-56.6	4.0	10.2	14.3	ESE	16.8 ESE	☄ ¹ ↓ ↓
24	734.5	-38.0	-28.8	-50.6	10.0	10.9	14.9	ESE	17.4 ESE	☄ ¹ ↓ ↓ *
25	720.3	-40.0	-28.8	-46.4	5.0	8.2	13.0	ESE	15.0 ESE	☄ ¹ ↓ ↓
26	725.3	-42.5	-36.7	-48.6	6.5	13.7	16.6	E	19.7 E	☄ ¹ ↓ ↓
27	719.2	-38.6	-33.7	-46.6	7.0	13.1	17.5	E	21.2 E	☄ ¹ ↓ ↓
28	720.3	-47.7	-45.7	-48.7	0.7	14.6	17.3	ESE	21.0 ESE	☄ ¹ ↓ ↓
29	717.1	-47.8	-45.8	-50.5	0.0	16.7	18.4	ESE	22.6 ESE	☄ ¹ ↓ ↓
30	718.4	-52.0	-50.5	-53.5	0.0	13.3	16.9	ESE	21.0 ESE	☄ ¹ ↓ ↓
31	715.6	-50.4	-48.6	-53.3	0.3	12.0	12.9	E	14.5 E	☄ ¹ ↓ ↓
MEAN	722.7	-47.7	-43.6	-51.9	3.1	12.3				
MONTHLY MEAN	722.4	-44.6	-41.3	-47.7	5.7	11.8				

SEPTEMBER 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VM (m/s)	VX (m/s)	VI (m/s)	PHENOMENA	
1	711.9	-50.5	-46.1	-54.2	6.0	10.6	12.5	E	15.0 E	† ¹
2	711.0	-55.1	-53.2	-56.8	2.0	13.9	16.5	E	19.4 E	† ²
3	714.4	-56.8	-55.5	-57.7	2.5	13.8	15.0	E	17.4 E	† ²
4	717.3	-51.5	-47.3	-57.3	2.0	13.4	16.0	ESE	19.9 ESE	† ²
5	723.8	-45.5	-41.4	-51.5	8.7	14.0	15.8	E	18.5 E	† ² ↓
6	720.2	-31.5	-27.7	-41.7	10.0	17.3	19.6	E	23.4 E	† ² *
7	721.0	-35.4	-30.7	-39.1	6.5	12.4	15.6	ENE	18.7 ENE	† ¹
8	723.9	-40.9	-38.6	-43.5	3.0	11.1	12.9	E	15.0 E	† ¹
9	721.6	-42.7	-39.0	-45.7	0.0	11.9	13.2	E	15.0 E	† ¹
10	720.2	-46.3	-43.4	-48.3	0.0	11.7	13.3	E	15.5 E	† ¹
MEAN	718.5	-45.6	-42.3	-49.6	4.1	13.0				
11	718.8	-41.5	-38.5	-47.0	3.0	12.9	13.6	E	15.8 E	† ¹ ↓
12	718.1	-39.9	-36.9	-45.0	10.0	10.8	13.0	E	15.0 E	† ¹ ↓
13	718.2	-42.4	-39.4	-45.0	3.5	8.7	10.4	E	11.5 E	↓
14	707.0	-42.9	-38.8	-45.9	10.0	8.5	9.3	E	10.0 E	↓
15	706.5	-45.4	-39.1	-51.5	10.0	8.7	11.3	E	13.0 E	† ¹
16	717.0	-50.9	-47.6	-55.0	10.0	14.9	17.3	E	20.5 E	† ²
17	727.6	-48.0	-45.5	-49.6	2.0	13.6	15.3	E	18.9 E	† ²
18	724.1	-44.6	-39.9	-49.6	1.0	14.4	16.0	E	18.6 E	† ²
19	719.9	-46.6	-43.5	-48.9	1.0	14.4	16.3	E	20.0 E	† ² ↓
20	714.3	-41.9	-38.8	-46.7	1.0	12.8	13.8	E	16.2 E	† ² ↓
MEAN	717.2	-44.4	-40.8	-48.4	5.2	12.0				
21	714.2	-29.8	-26.5	-38.9	10.0	12.3	15.1	ENE	19.0 ENE	† ² *
22	723.7	-30.7	-28.1	-35.9	8.0	11.3	13.1	ENE	16.0 ENE	† ¹ *
23	725.3	-38.2	-33.4	-43.4	4.0	11.7	13.8	E	16.0 E	† ¹ *
24	715.7	-44.5	-40.0	-50.4	0.0	12.1	16.0	E	18.0 E	† ¹ ↓
25	712.2	-45.8	-42.0	-51.8	5.5	11.3	15.6	E	18.9 E	† ² ↓
26	720.4	-43.1	-37.3	-48.7	6.0	9.1	11.9	E	13.3 E	† ¹ ↓ ⊕
27	718.5	-47.2	-44.0	-51.5	2.0	13.1	16.1	E	19.0 E	† ² ↓
28	710.7	-32.9	-28.0	-43.9	10.0	10.9	16.0	E	19.6 E	† ¹ ↓ *
29	719.0	-36.2	-31.8	-43.3	8.0	10.0	12.6	E	14.4 E	† ¹ ⊕
30	710.8	-38.4	-33.6	-44.4	4.0	15.2	17.2	E	21.0 E	† ² ↓
MEAN	717.1	-38.7	-34.5	-45.2	5.8	11.7				
MONTHLY MEAN	717.6	-42.9	-39.2	-47.7	5.0	12.2				

OCTOBER 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VM (m/s)	VX (m/s)	VI (m/s)	PHENOMENA	
1	709.6	-34.8	-31.5	-40.3	7.0	15.5	18.3	E	22.6 E	† ²
2	705.9	-39.0	-36.1	-41.9	1.3	14.6	17.3	E	20.2 E	† ²
3	716.9	-37.4	-32.9	-40.4	2.7	11.4	13.0	E	15.0 E	† ¹
4	726.2	-39.1	-34.1	-42.0	0.0	11.8	12.9	E	14.9 E	† ¹
5	725.8	-41.2	-36.4	-44.8	0.0	10.3	12.9	E	14.9 E	† ¹
6	731.6	-40.6	-35.3	-44.2	3.0	11.2	13.8	E	16.4 E	† ¹ III
7	736.3	-41.8	-37.0	-45.5	0.0	11.8	14.0	E	16.0 E	† ¹ III
8	734.6	-40.4	-36.0	-44.7	0.7	15.3	17.0	E	20.0 E	† ²
9	734.1	-37.7	-33.5	-40.8	0.0	15.7	18.2	ESE	23.0 ESE	† ²
10	728.7	-38.0	-34.5	-40.5	0.0	15.8	18.3	ESE	22.8 ESE	† ²
MEAN	725.0	-39.0	-34.7	-42.5	1.5	13.3				
11	725.5	-40.1	-35.5	-43.3	0.0	13.2	15.8	ESE	19.2 ESE	† ²
12	723.8	-41.3	-36.8	-44.5	0.0	12.8	14.7	ESE	17.1 ESE	† ¹
13	724.5	-40.5	-35.3	-46.3	0.0	12.8	14.0	E	16.8 E	† ¹
14	728.5	-34.4	-28.9	-41.4	5.0	14.3	16.2	ESE	19.1 ESE	† ²
15	735.1	-34.0	-29.4	-38.6	1.0	13.0	15.9	E	18.6 E	† ¹
16	740.0	-36.1	-31.6	-40.5	1.7	14.5	15.9	E	19.0 E	† ¹
17	734.1	-35.8	-29.9	-41.5	0.0	12.8	17.2	ESE	20.2 ESE	† ¹
18	725.1	-38.5	-31.8	-44.9	0.0	11.1	12.3	E	14.0 E	
19	725.7	-37.7	-30.9	-43.7	0.3	10.5	12.7	E	14.6 E	
20	738.1	-34.0	-27.6	-42.7	8.0	8.1	10.6	E	12.0 E	* ⊕
MEAN	730.0	-37.2	-31.8	-42.7	1.6	12.3				
21	737.5	-26.4	-22.0	-33.5	10.0	8.2	10.0	NE	11.7 NE	
22	728.0	-26.4	-22.6	-31.1	9.3	7.7	9.9	NE	11.7 NE	*
23	725.3	-26.8	-24.5	-31.1	10.0	8.7	10.6	ENE	11.6 ENE	*
24	728.9	-27.8	-24.5	-30.5	8.3	11.7	14.2	ENE	16.6 ENE	† ¹
25	728.3	-27.1	-23.8	-31.1	10.0	12.1	14.1	E	16.9 E	† ¹ ⊕
26	730.8	-25.3	-21.5	-30.2	10.0	7.0	11.2	E	12.7 E	*
27	730.2	-31.5	-28.3	-37.1	0.0	11.7	16.7	ESE	20.0 ESE	† ² III
28	724.6	-34.6	-31.7	-37.3	10.0	16.7	20.0	ESE	26.0 ESE	† ²
29	726.7	-33.8	-29.0	-38.2	0.0	12.6	15.4	ESE	19.0 ESE	† ²
30	726.2	-30.5	-26.7	-37.5	10.0	12.3	15.6	ENE	18.8 ENE	† ²
31	725.5	-33.0	-27.9	-42.2	3.0	3.4	9.3	ENE	11.0 ENE	→
MEAN	728.4	-29.4	-25.7	-34.5	7.3	10.2				
MONTHLY MEAN	727.8	-35.0	-30.6	-39.8	3.6	11.9				

NOVEMBER 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VH (m/s)	VX (m/s)	VI (m/s)	PHENOMENA
1	725.8	-36.3	-29.7	-45.9	0.3	10.1	13.6 ENE	17.0 ENE	± ²
2	724.0	-27.2	-22.2	-37.8	9.0	13.3	16.0 ENE	18.5 ENE	± ²
3	722.1	-21.6	-19.1	-25.7	10.0	17.2	20.6 ENE	24.7 ENE	± ²
4	732.4	-19.4	-16.6	-22.1	9.5	13.1	18.1 ENE	22.0 ENE	± ²
5	740.3	-20.4	-16.7	-25.1	6.3	10.4	14.0 E	15.5 E	± ²
6	738.8	-17.9	-14.0	-21.9	7.7	8.4	10.6 ENE	11.6 ENE	
7	745.1	-16.0	-13.0	-18.4	10.0	6.9	8.6 ENE	10.0 ENE	*
8	747.9	-20.3	-15.7	-25.4	8.3	7.2	13.0 E	14.9 E	
9	745.4	-21.7	-16.7	-27.1	4.0	13.8	16.6 E	19.3 E	± ¹
10	742.3	-22.8	-18.8	-27.1	0.7	15.7	18.3 E	20.9 E	± ¹
MEAN	736.4	-22.4	-18.3	-27.7	6.6	11.6			
11	742.7	-22.5	-18.2	-27.1	1.0	16.1	18.3 E	21.0 E	± ¹
12	741.3	-23.7	-18.8	-28.0	0.0	14.4	17.4 E	20.3 E	± ⁰
13	741.4	-25.8	-20.6	-30.9	0.0	12.1	15.1 E	17.5 E	± ⁰
14	738.4	-27.5	-21.9	-32.6	0.0	9.4	13.5 E	15.0 E	
15	735.4	-26.7	-22.0	-33.9	3.0	8.0	10.6 NE	11.9 NE	
16	736.0	-25.5	-20.6	-30.0	3.3	10.9	14.5 E	16.9 E	± ¹
17	733.6	-24.1	-20.0	-30.0	9.0	11.3	14.5 E	17.0 E	± ⁰
18	734.4	-22.6	-18.6	-26.7	4.0	7.3	9.7 E	10.7 E	± ⁰
19	736.0	-19.3	-15.1	-23.6	9.7	6.7	8.9 ENE	9.7 ENE	
20	736.8	-22.5	-17.4	-27.0	7.7	8.2	10.7 ENE	12.0 ENE	± ⁰
MEAN	737.6	-24.0	-19.3	-29.0	3.8	10.4			
21	739.8	-21.2	-16.1	-26.9	7.3	9.0	12.8 E	14.9 E	± ⁰
22	734.5	-19.0	-14.9	-25.0	10.0	11.8	14.8 E	17.9 E	± ¹
23	739.2	-21.4	-17.5	-27.3	6.7	9.4	12.3 ENE	13.6 E	± ⁰
24	742.5	-22.2	-16.8	-27.7	0.0	10.2	11.4 E	14.6 E	± ⁰
25	740.4	-22.1	-16.8	-27.9	0.0	10.6	12.5 E	14.1 E	± ⁰
26	735.6	-23.8	-20.0	-27.7	0.0	11.8	14.1 E	16.4 E	± ¹
27	734.6	-24.2	-19.8	-28.5	1.0	10.1	13.1 E	15.0 E	± ¹
28	739.1	-22.2	-18.3	-29.0	9.7	7.6	9.5 E	10.4 E	*
29	739.5	-23.5	-19.7	-27.7	0.0	8.8	10.1 E	11.0 E	± ⁰
30	736.9	-22.3	-18.0	-29.0	9.7	9.7	13.1 E	15.0 E	± ¹ *
MEAN	738.2	-22.2	-17.8	-27.7	4.4	9.9			
MONTHLY MEAN	737.4	-22.9	-18.5	-28.1	4.9	10.7			

DECEMBER 1982

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VM (m/s)	VX (m/s)	VI (m/s)	PHENOMENA
1	738.6	-19.4	-16.1	-25.3	8.3	9.4	13.1 ENE	14.1 ENE	+
2	738.0	-17.7	-14.2	-21.0	8.0	9.2	11.9 E	13.8 E	+
3	733.7	-20.9	-16.6	-25.8	4.3	7.2	10.0 E	11.4 E	+
4	735.8	-21.5	-17.3	-26.9	7.7	7.1	9.4 ENE	10.1 ENE	+
5	740.0	-20.7	-16.5	-26.8	7.3	6.3	8.5 ENE	9.5 ENE	+
6	737.8	-22.3	-17.5	-27.6	0.7	8.5	10.5 E	11.6 E	+
7	735.5	-21.5	-16.7	-26.7	0.0	8.0	10.5 E	11.7 E	+
8	740.4	-22.2	-16.7	-27.6	0.3	7.4	10.9 E	12.4 E	+
9	750.5	-22.4	-16.4	-28.2	0.3	5.7	8.0 ESE	8.5 ESE	+
10	752.9	-20.5	-15.4	-27.4	0.3	10.5	12.9 E	15.5 E	+
MEAN	740.3	-20.9	-16.3	-26.3	3.7	7.9			
11	747.1	-20.1	-15.6	-24.8	0.0	10.8	14.3 ESE	16.5 ESE	+
12	745.2	-20.1	-15.7	-24.8	0.3	10.3	14.2 ESE	17.6 ESE	+
13	748.1	-20.0	-15.1	-26.0	4.3	9.3	12.2 E	13.7 E	+
14	744.5	-16.0	-12.1	-23.1	8.3	9.0	11.9 E	13.4 E	+
15	748.6	-13.5	-11.6	-16.8	10.0	5.9	8.9 ENE	9.4 ENE	+
16	751.5	-12.8	-9.4	-17.6	8.3	3.7	5.9 ENE	5.9 ENE	+
17	753.5	-13.7	-8.9	-20.4	3.7	8.1	10.8 ENE	11.5 ENE	+
18	754.7	-13.0	-10.7	-17.5	10.0	13.0	15.7 E	18.7 E	+
19	753.3	-13.8	-10.2	-17.4	2.3	14.9	17.2 E	19.5 E	+
20	748.3	-14.8	-10.7	-18.6	0.0	12.5	17.9 E	19.9 E	+
MEAN	749.5	-15.8	-12.0	-20.7	4.7	9.8			
21	743.1	-15.0	-12.1	-19.3	5.3	10.3	13.9 E	15.5 E	+
22	742.7	-14.2	-12.4	-15.6	9.3	9.5	12.6 ENE	13.7 ENE	+
23	748.4	-14.2	-11.7	-18.6	2.3	9.5	12.3 E	13.3 E	+
24	745.5	-15.9	-11.1	-20.6	0.3	9.9	14.4 E	15.3 E	+
25	743.5	-16.0	-12.0	-20.4	1.3	9.8	12.7 E	13.9 E	+
26	749.4	-13.5	-9.0	-19.9	8.0	11.5	13.5 ENE	15.8 E	+
27	748.8	-8.7	-5.9	-13.2	10.0	11.7	15.6 E	18.4 E	+
28	748.2	-11.3	-10.6	-13.3	9.3	6.3	10.4 NE	16.6 NE	+
29	751.2	-9.6	-6.7	-12.6	6.7	9.5	12.3 ENE	14.0 ENE	+
30	751.5	-11.5	-8.2	-15.9	0.3	10.3	13.6 ENE	14.9 ENE	+
31	746.1	-15.8	-13.1	-19.9	0.7	12.5	14.4 E	16.7 E	+
MEAN	747.1	-13.2	-10.3	-17.2	4.9	10.1			
MONTHLY MEAN	745.7	-16.5	-12.8	-21.3	4.4	9.3			

JANUARY 1983

DATE	PST (mb)	TM (°C)	TX (°C)	TN (°C)	N	VM (m/s)	VX (m/s)	VI (m/s)	PHENOMENA
1	746.3	-16.1	-12.1	-21.6	2.0	12.1	14.9 E	18.0 E	+
2	744.8	-15.8	-11.6	-19.7	1.0	9.9	12.6 E	14.6 E	+
3	741.0	-16.8	-12.1	-21.6	0.0	8.5	10.9 E	11.8 E	+
4	742.4	-17.0	-12.6	-22.0	0.7	7.3	9.8 E	10.7 E	+
5	742.4	-16.2	-12.0	-22.6	3.0	6.7	8.6 E	9.4 E	
6	742.5	-17.7	-13.3	-22.7	2.0	6.6	8.6 E	9.4 E	
7	747.3	-17.3	-12.9	-23.6	8.0	6.5	8.0 ENE	8.4 ENE	
8	749.3	-15.3	-12.0	-19.1	7.7	5.3	6.8 E	7.8 E	*
9	747.9	-16.8	-13.7	-21.9	1.7	5.9	9.1 E	9.9 ENE	+
10	744.9	-17.7	-13.9	-24.6	6.3	8.4	11.2 ENE	12.1 ENE	+
MEAN	744.9	-16.7	-12.6	-21.9	3.2	7.7			
11	735.1	-16.7	-12.6	-22.7	6.7	10.5	14.8 E	17.0 E	+
12	735.4	-13.4	-9.2	-18.9	8.7	8.7	14.4 ENE	16.1 ENE	+
13	740.7	-14.1	-10.4	-17.6	7.3	12.1	18.2 E	20.8 E	+
14	741.9	-15.6	-11.6	-19.6	1.0	10.7	15.1 E	16.8 E	+
15	742.5	-15.7	-10.5	-21.6	0.7	10.8	13.1 E	15.0 E	+
16	744.3	-17.2	-12.7	-21.6	0.0	8.6	11.9 E	13.1 E	
17	739.7	-17.5	-12.2	-23.0	0.0	10.0	11.9 E	12.8 E	
18	740.4	-19.0	-14.7	-22.7	0.0	10.1	13.0 E	14.1 E	+
19	741.5	-20.5	-16.3	-24.7	0.0	10.2	12.4 E	13.7 E	
20	740.8	-20.2	-15.6	-24.8	0.0	10.2	13.4 E	15.0 E	+
MEAN	740.2	-17.0	-12.6	-21.7	2.4	10.2			
21	740.7	-19.8	-15.2	-24.6	1.7	8.9	11.1 E	11.9 E	+
22	739.5	-20.4	-16.1	-24.6	0.7	8.2	10.6 E	11.6 E	
23	738.9	-18.1	-15.5	-24.7	9.3	9.1	11.7 E	12.9 E	
24	740.4	-16.4	-13.3	-20.1	7.0	6.9	9.4 E	10.0 E	

Table 3. Surface synoptic data in 1982.

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
JAN. 1	03	737.4	-20.3	04	9.2	2	0.2						
	06	737.0	-19.6	04	10.0	6	-0.4						
	09	737.0	-17.0	04	10.2	4	0.0	1	03	20.0	0 3 0		1Ac
	12	736.9	-14.6	04	10.1	5	-0.1						
	15	736.8	-12.8	04	9.0	8	-0.1	2	01	20.0	0 8 1		2Ac, 0+Ci
	18	737.0	-12.7	03	5.9	3	0.2						
	21	737.4	-16.7	04	4.7	2	0.4	1	02	20.0	0 7 0		0+Ac, 1As
	24	738.0	-18.0	04	7.2	2	0.6						
JAN. 2	03	738.0	-23.0	04	7.7	4	0.0						
	06	738.3	-21.6	04	8.3	2	0.3						
	09	739.0	-17.7	03	7.2	2	0.7	1	02	20.0	1 7 0		0+Cu, 1Ac
	12	740.0	-13.9	03	5.3	2	1.0						
	15	740.9	-12.1	01	3.8	2	0.9	7	03	20.0	2 7 0		6Cu, 1Ac
	18	741.3	-12.9	03	3.6	2	0.4						
	21	741.7	-18.3	04	4.3	2	0.4	7	03	20.0	5 9 0		4Sc, 5Ac, 3As
	24	742.8	-20.2	03	6.1	2	1.1						
JAN. 3	03	743.3	-19.8	03	6.1	2	0.5						
	06	743.9	-18.8	03	7.1	2	0.6						
	09	744.8	-18.3	03	9.2	2	0.9	10	73	0.3	X X X		*
	12	745.3	-16.7	03	9.8	2	0.5						
	15	745.9	-14.9	02	8.8	2	0.6	9	02	10.0	0 9 X		9Ac
	18	746.2	-14.9	02	5.3	2	0.3						
	21	746.6	-16.3	03	4.8	2	0.4	9	02	20.0	4 9 1		7Sc, 3Ac, 1Ci
	24	747.0	-17.1	02	4.2	2	0.4						
JAN. 4	03	747.2	-19.6	03	5.3	2	0.2						
	06	747.2	-18.6	03	6.1	4	0.0						
	09	746.8	-17.6	03	8.8	7	-0.4	9	02	10.0	2 9 8		2Cu, 2Ac, 4As, 2Cs
	12	746.2	-16.4	03	8.7	7	-0.6						
	15	745.2	-14.7	03	5.2	7	-1.0	8	70	10.0	0 0 7		* , 8Cs
	18	744.3	-13.6	01	1.8	7	-0.9						
	21	743.5	-18.5	04	4.8	7	-0.8	2	01	20.0	0 2 9		
	24	742.7	-23.8	04	5.6	7	-0.8						
JAN. 5	03	741.8	-22.7	03	6.9	8	-0.9						
	06	740.8	-22.4	04	8.6	7	-1.0						
	09	740.1	-19.5	03	9.4	6	-0.7	4	02	10.0	5 3 0		2Sc, 3Ac
	12	740.3	-16.0	03	8.7	3	0.2						
	15	740.7	-14.8	03	6.9	3	0.4	5	02	20.0	0 7 6		2As, 4Cs
	18	741.2	-16.2	03	5.8	2	0.5						
	21	742.0	-18.0	04	5.0	2	0.8	4	02	20.0	5 0 0		4Sc
	24	742.9	-21.8	04	7.5	2	0.9						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
JAN. 6	03	743.8	-23.4	04	9.0	2	0.9						
	06	744.5	-21.0	04	10.5	2	0.7						
	09	746.0	-18.0	03	11.9	2	1.5	7	03	5.0	8 0 6		0Sc, 6Cs, 1Ci
	12	747.0	-16.9	04	11.0	2	1.0						
	15	747.2	-15.9	03	7.0	1	0.2	7	02	10.0	0 0 6		7Cs, 1Ci
	18	747.6	-16.0	04	7.2	2	0.4						
	21	747.8	-19.9	04	3.0	2	0.2	4	01	20.0	8 0 1		1Sc, 3Ci, 1Cc
	24	747.9	-22.7	04	6.9	2	0.1						
JAN. 7	03	747.2	-25.5	04	7.6	8	-0.7						
	06	745.5	-24.7	04	9.2	7	-1.7						
	09	743.6	-20.6	04	9.5	7	-1.9	0	00	20.0	0 0 0		
	12	741.9	-16.5	04	7.6	7	-1.7						
	15	740.0	-13.5	04	7.2	7	-1.9	0+	02	20.0	0 0 1		0+Ci
	18	738.1	-13.8	04	8.0	7	-1.9						
	21	737.1	-17.7	04	9.2	7	-1.0	0+	02	10.0	6 0 0		0+St
	24	736.1	-20.3	04	12.0	7	-1.0						
JAN. 8	03	735.1	-22.4	04	13.4	7	-1.0						
	06	734.0	-21.8	04	14.5	7	-1.1						
	09	733.2	-19.0	04	15.1	7	-0.8	0+	36	1.0	5 0 0		0+Sc
	12	733.3	-16.9	04	14.8	3	0.1						
	15	733.5	-14.9	04	14.2	2	0.2	0+	36	1.0	5 0 0		0+Sc
	18	734.9	-15.7	04	13.4	2	1.4						
	21	735.2	-18.7	04	12.5	2	0.3	0+	02	3.0	5 0 0		0+Sc
	24	736.6	-20.9	04	12.2	2	1.4						
JAN. 9	03	737.4	-23.7	04	13.0	2	0.8						
	06	737.8	-23.8	04	13.2	1	0.4						
	09	738.0	-20.8	04	12.5	2	0.2	0	36	2.0	0 0 0		
	12	738.6	-17.8	04	12.5	2	0.6						
	15	739.0	-15.8	04	11.2	2	0.4	0+	00	3.0	5 0 0		0+Sc
	18	739.2	-15.7	03	8.8	2	0.2						
	21	739.1	-17.7	04	7.7	7	-0.1	2	03	20.0	0 5 0		2Ac
	24	739.2	-22.5	04	8.4	2	0.1						
JAN. 10	03	739.0	-24.0	04	9.8	8	-0.2						
	06	738.6	-22.8	04	11.1	7	-0.4						
	09	737.0	-19.9	04	11.7	7	-1.6	1	00	10.0	0 3 0		1Ac
	12	736.9	-17.4	04	11.6	7	-0.1						
	15	735.8	-15.7	04	9.8	7	-1.1	0+	02	10.0	0 3 0		0+Ac
	18	735.3	-15.6	03	8.4	7	-0.5						
	21	735.1	-18.0	04	5.8	6	-0.2	4	03	20.0	0 5 0		4Ac
	24	735.1	-20.1	04	9.5	4	0.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
JAN. 11	03	735.2	-21.0	04	8.8	3	0.1						
	06	735.8	-18.8	04	8.1	2	0.6						
	09	736.2	-16.7	04	9.6	2	0.4	10	02	3.0	0 1 X		10As
	12	736.7	-13.8	03	9.8	2	0.5						
	15	737.2	-12.2	02	7.5	2	0.5	10	71	5.0	0 3 X		* , 10Ac
	18	737.8	-12.7	03	4.5	2	0.6						
	21	738.7	-16.8	03	4.1	2	0.9	9	03	10.0	7 3 X		1Cu, 9Ac
24	739.4	-19.0	04	5.5	2	0.7							
JAN. 12	03	739.7	-19.2	03	6.0	2	0.3						
	06	740.0	-18.8	04	4.3	2	0.3						
	09	740.5	-15.2	04	3.5	2	0.5	1	01	20.0	0 0 5		5Ci
	12	740.8	-12.7	03	3.7	2	0.3						
	15	741.0	-7.2	01	0.2	2	0.2	2	03	20.0	0 1 4		1Ac, 1Ci
	18	741.0	-8.3	06	1.5	4	0.0						
	21	740.6	-17.8	04	2.8	8	-0.4	1	02	20.0	0 7 0		1Ac
24	740.5	-22.6	04	6.0	7	-0.1							
JAN. 13	03	740.0	-26.0	04	7.0	7	-0.5						
	06	739.1	-25.4	04	7.7	7	-0.9						
	09	738.9	-19.2	04	7.4	7	-0.2	1	02	10.0	5 0 1		1Sc, 0+Ci
	12	738.5	-15.6	04	4.9	7	-0.4						
	15	738.2	-13.0	02	3.2	7	-0.3	1	02	10.0	5 0 1		1Sc, 0+Ci
	18	737.9	-15.4	03	3.0	7	-0.3						
	21	737.9	-18.8	03	5.0	4	0.0	1	02	20.0	5 0 1		1Sc, 0+Ci
24	737.9	-23.4	04	6.5	4	0.0							
JAN. 14	03	737.7	-23.3	04	7.0	7	-0.2						
	06	737.3	-22.1	04	7.5	7	-0.4						
	09	737.0	-18.0	04	6.4	7	-0.3	6	01	10.0	0 3 2		6As, 0+Cs
	12	737.1	-15.8	03	5.6	2	0.1						
	15	737.3	-14.0	03	4.2	2	0.2	1	02	20.0	0 7 1		1Ac, 0+Ci
	18	738.0	-14.7	03	4.0	1	0.7						
	21	738.9	-19.8	03	5.2	2	0.9	2	03	20.0	6 4 0		1Sc, 1St, 0+Ac
24	740.2	-23.3	03	6.0	2	1.3							
JAN. 15	03	740.9	-27.3	04	6.4	2	0.7						
	06	741.0	-26.4	04	7.9	2	0.1						
	09	741.0	-23.4	04	8.5	4	0.0	0+	02	5.0	0 0 1		0+Ci
	12	741.0	-17.9	04	8.1	4	0.0						
	15	739.9	-15.9	04	5.0	8	-1.1	2	01	10.0	8 0 0		2Sc, 0+Cu
	18	738.8	-15.0	01	4.2	7	-1.1						
	21	738.0	-16.7	02	5.1	7	-0.8	10	70	10.0	5 X X		* , 10Sc
24	738.0	-18.4	04	7.8	4	0.0							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WM	V (km)	CLCNCX	BS	PHENOMENA
JAN.16	03	737.2	-20.8	04	5.4	7	-0.8						
	06	737.1	-19.7	04	7.0	7	-0.1						
	09	737.0	-17.9	04	9.3	7	-0.1	10	36	1.0	0 2 X		10As
	12	737.0	-16.7	04	10.0	4	0.0						
	15	737.2	-15.8	03	8.5	2	0.2	10	36	2.0	0 2 X		10As
	18	738.0	-15.7	03	6.7	2	0.8						
	21	738.9	-16.7	04	5.0	2	0.9	10	02	5.0	0 2 X		10As
	24	740.2	-17.4	04	5.0	2	1.3						
JAN.17	03	740.9	-17.9	04	6.0	2	0.7						
	06	741.2	-17.9	03	4.5	2	0.3						
	09	741.5	-16.5	02	6.1	1	0.3	10	02	20.0	0 2 X		10As
	12	741.9	-14.2	03	5.3	1	0.4						
	15	741.9	-13.6	02	3.5	4	0.0	10	02	10.0	4 1 X		10As
	18	741.9	-13.6	04	2.1	4	0.0						
	21	741.6	-18.4	05	2.9	8	-0.3	1	01	20.0	0 7 0		1Ac
	24	741.3	-24.3	04	6.1	8	-0.3						
JAN.18	03	741.3	-25.9	03	8.9	4	0.0						
	06	741.7	-24.6	03	10.8	2	0.4						
	09	742.3	-22.0	03	10.3	3	0.6	3	02	20.0	0 0 3		3Ci
	12	743.1	-18.8	03	8.3	1	0.8						
	15	743.1	-17.0	03	7.0	4	0.0	3	02	20.0	0 0 3		3Ci
	18	743.1	-16.8	02	4.5	4	0.0						
	21	743.3	-19.8	04	5.1	2	0.2	1	01	20.0	0 5 0		1Ac
	24	743.4	-24.2	04	7.0	2	0.1						
JAN.19	03	743.6	-23.0	04	5.9	2	0.2						
	06	743.2	-21.3	04	6.7	7	-0.4						
	09	743.2	-17.9	04	8.1	4	0.0	10	03	10.0	0 1 X		10As
	12	742.8	-15.9	04	8.0	7	-0.4						
	15	741.5	-15.5	04	6.9	8	-1.3	7	01	20.0	0 4 X		5As, 2Ac
	18	740.2	-16.6	04	6.1	7	-1.3						
	21	739.3	-19.3	04	5.8	7	-0.9	0	00	20.0	0 0 0		
	24	739.1	-23.0	04	8.9	6	-0.2						
JAN.20	03	739.0	-25.5	04	10.7	7	-0.1						
	06	738.3	-25.7	04	11.3	7	-0.7						
	09	737.9	-23.3	04	10.7	7	-0.4	0	00	10.0	0 0 0		
	12	737.8	-19.3	04	10.9	7	-0.1						
	15	738.0	-17.1	04	9.1	3	0.2	0	00	20.0	0 0 0		
	18	738.3	-16.8	04	7.2	2	0.3						
	21	738.0	-19.8	04	8.6	7	-0.3	0	00	20.0	0 0 0		
	24	739.9	-24.1	04	10.8	3	1.9						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (#/s)	A	PP (mb)	N	WW	V (km)	CLMCH	BS	PHENOMENA
JAN.21	03	740.5	-26.8	04	11.3	2	0.6						
	06	740.8	-26.6	04	11.1	2	0.3						
	09	741.0	-24.8	04	10.9	2	0.2	0	00	20.0	0 0 0		
	12	741.9	-20.3	03	9.0	2	0.9						
	15	742.1	-17.8	02	5.8	1	0.2	0	00	20.0	0 0 0		
	18	742.1	-17.9	03	4.2	4	0.0						
	21	742.1	-21.0	04	4.6	4	0.0	0	00	20.0	0 0 0		
	24	742.3	-27.3	04	6.3	3	0.2						
JAN.22	03	742.3	-29.8	03	8.0	4	0.0						
	06	742.3	-27.8	03	7.8	4	0.0						
	09	742.2	-24.9	03	8.3	8	-0.1	0+	00	20.0	0 1 0		0+As
	12	742.0	-21.0	02	5.7	7	-0.2						
	15	741.8	-17.7	02	2.3	7	-0.2	0	00	20.0	0 0 0		
	18	741.7	-18.1	03	3.1	7	-0.1						
	21	741.5	-22.7	04	4.2	7	-0.2	0	00	20.0	0 0 0		
	24	741.1	-28.7	04	6.1	8	-0.4						
JAN.23	03	740.7	-30.6	04	7.4	7	-0.4						
	06	740.2	-28.8	04	9.1	7	-0.5						
	09	740.0	-24.8	04	8.3	6	-0.2	0	00	20.0	0 0 0		
	12	739.8	-18.8	03	7.3	7	-0.2						
	15	740.5	-16.7	02	4.9	3	0.7	0	00	20.0	0 0 0		
	18	741.2	-17.9	01	3.7	3	0.7						
	21	741.9	-23.1	03	5.7	2	0.7	0+	00	20.0	0 1 0		0+As
	24	742.8	-28.0	03	6.9	2	0.9						
JAN.24	03	743.2	-28.5	03	8.2	2	0.4						
	06	743.7	-25.0	03	9.7	2	0.5						
	09	744.2	-21.3	03	7.9	2	0.5	0+	00	20.0	0 3 0		0+Ac
	12	744.6	-17.2	02	7.2	2	0.4						
	15	745.0	-15.9	01	4.2	2	0.4	0+	00	20.0	0 3 0		0+Ac
	18	745.1	-16.0	02	2.8	1	0.1						
	21	745.1	-18.6	03	1.0	4	0.0	0	00	30.0	0 0 0		
	24	745.1	-26.6	04	5.7	4	0.0						
JAN.25	03	745.1	-28.6	04	7.1	4	0.0						
	06	744.9	-26.8	04	8.0	8	-0.2						
	09	743.9	-24.0	04	9.3	8	-1.0	9	03	10.0	0 1 0		9As
	12	743.7	-18.8	04	8.4	7	-0.2						
	15	742.8	-15.9	03	8.2	7	-0.9	8	03	10.0	0 1 0		8As
	18	742.7	-16.1	04	6.2	6	-0.1						
	21	741.9	-17.1	04	8.9	8	-0.8	10	03	10.0	0 2 0		10As
	24	741.7	-17.2	04	8.9	6	-0.2						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PF (mb)	N	WW	V (km)	CLMCH	BS	PHENOMENA
(1982)													
JAN.26	03	741.6	-22.7	04	10.4	7	-0.1						
	06	740.5	-22.6	04	11.3	8	-1.1						
	09	740.0	-19.0	04	11.4	7	-0.5	6	36	1.0	0 1 0	D	6As
	12	739.9	-15.4	04	12.5	6	-0.1						
	15	739.8	-14.2	04	12.9	7	-0.1	8	36	0.6	0 1 0	D	8As
	18	739.8	-15.1	04	13.1	4	0.0						
	21	739.9	-17.8	04	12.8	3	0.1	9	36	1.0	0 1 0	D	1As
	24	740.4	-21.0	04	14.3	3	0.5						
JAN.27	03	740.8	-22.1	04	14.1	2	0.4						
	06	740.9	-21.9	04	13.9	1	0.1						
	09	740.9	-18.6	04	14.2	4	0.0	7	36	0.8	0 1 0	D	7As
	12	741.1	-15.8	04	14.2	3	0.2						
	15	741.2	-14.6	04	13.6	2	0.1	6	37	0.4	0 1 0	C	6As
	18	741.2	-15.6	04	13.0	4	0.0						
	21	741.5	-18.7	04	12.7	3	0.3	4	36	1.0	0 1 0	D	4As
	24	742.0	-16.9	04	13.6	2	0.5						
JAN.28	03	742.1	-24.8	04	14.1	0	0.1						
	06	741.9	-23.1	04	14.6	7	-0.2						
	09	741.5	-19.4	04	13.7	7	-0.4	0	37	0.5	0 0 0	C	
	12	741.1	-17.5	04	15.6	7	-0.4						
	15	740.4	-15.7	04	16.0	7	-0.7	0	38	0.3	0 0 0	B	
	18	740.5	-17.4	04	14.4	2	0.1						
	21	740.4	-20.0	04	16.2	7	-0.1	0	38	0.2	0 0 0	A	
	24	741.3	-22.3	04	13.2	2	0.9						
JAN.29	03	741.7	-24.2	04	11.4	2	0.4						
	06	741.8	-22.6	04	12.7	1	0.1						
	09	741.2	-20.0	04	13.2	8	-0.6	0	36	1.0	0 0 0	D	
	12	741.4	-16.5	04	11.8	3	0.2						
	15	741.5	-14.7	04	10.6	2	0.1	0	36	0.8	0 0 0	D	
	18	741.2	-16.4	04	9.2	8	-0.3						
	21	741.0	-19.0	04	10.0	7	-0.2	0	00	10.0	0 0 0	E	
	24	741.0	-22.8	04	11.5	4	0.0						
JAN.30	03	741.0	-25.1	04	11.7	4	0.0						
	06	740.3	-24.4	04	11.9	8	-0.7						
	09	740.1	-21.1	04	11.3	6	-0.2	0	00	2.0	0 0 0	D	
	12	739.9	-17.6	04	10.9	7	-0.2						
	15	739.9	-16.0	04	9.7	4	0.0	3	03	10.0	0 1 0	E	4As
	18	739.8	-16.6	04	8.0	7	-0.1						
	21	739.9	-20.3	04	9.2	3	0.1	2	03	20.0	0 1 0	E	2As
	24	740.6	-24.6	04	9.5	2	0.7						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NW	V (km)	CLMCH	BS	PHENOMENA
(1982)													
JAN. 31	03	741.0	-27.2	04	8.5	2	0.4						
	06	741.1	-25.7	04	9.2	1	0.1						
	09	741.1	-21.5	04	9.2	4	0.0	0+	00	20.0	0 1 0	-	0+As
	12	741.8	-18.3	04	7.6	3	0.7						
	15	742.0	-17.3	03	6.1	2	0.2	10-	03	20.0	0 3 0	-	10-Ac
	18	742.7	-17.5	02	6.0	3	0.7						
	21	743.5	-18.5	03	4.9	2	0.8	10	22	20.0	0 7 0	-	* , 10Ac
	24	744.7	-19.0	03	7.0	3	1.2						
FEB. 1	03	744.7	-20.0	04	5.2	0	0.0						
	06	744.3	-23.5	04	7.3	8	-0.4						
	09	744.1	-21.1	04	9.0	6	-0.2	2	36	0.8	0 3 0	D	2Ac
	12	744.1	-18.4	03	8.9	4	0.0						
	15	743.6	-16.7	04	8.2	8	-0.5	0+	00	20.0	0 3 0	-	0+Ac
	18	743.2	-17.1	04	7.0	7	-0.4						
	21	742.8	-21.0	04	8.7	7	-0.4	0	00	20.0	0 0 0	-	
	24	742.2	-26.3	04	9.4	7	-0.6						
FEB. 2	03	740.9	-27.9	04	12.8	8	-1.3						
	06	739.6	-27.2	04	12.9	7	-1.3						
	09	738.0	-24.2	04	12.3	7	-1.6	0+	00	5.0	0 1 0	E	0+As
	12	737.4	-20.8	04	12.9	7	-0.6						
	15	735.6	-20.6	04	13.3	7	-1.8	6	03	10.0	0 5 0	-	6Ac
	18	734.0	-20.4	04	11.8	7	-1.6						
	21	732.3	-22.6	04	13.9	7	-1.7	0	00	20.0	0 0 0	-	
	24	732.3	-26.6	04	14.5	5	0.0						
FEB. 3	03	731.2	-28.1	04	14.6	8	-1.1						
	06	729.7	-27.2	04	15.2	7	-1.5						
	09	728.7	-24.2	04	16.4	7	-1.0	2	03	10.0	0 3 0	-	2Ac
	12	728.7	-19.9	04	16.5	4	0.0						
	15	729.2	-18.5	04	16.0	3	0.5	9	39	0.2	0 3 0	A	9Ac
	18	729.7	-19.3	04	16.2	2	0.5						
	21	730.6	-22.0	04	17.2	3	0.9	10	38	0.4	0 7 X	B	10Ac
	24	731.7	-23.1	04	18.3	2	1.1						
FEB. 4	03	733.7	-23.8	04	16.4	3	2.0						
	06	735.0	-22.6	04	14.7	1	1.3						
	09	735.9	-20.0	04	15.1	2	0.9	10-	39	0.2	0 3 0	A	10-Ac
	12	737.1	-18.6	04	15.1	2	1.2						
	15	737.6	-18.6	04	13.4	1	0.5	10-	36	0.8	0 3 0	D	10-Ac
	18	737.3	-19.2	04	11.9	8	-0.3						
	21	736.9	-21.6	04	11.8	7	-0.4	9	02	10.0	0 4 0	-	9Ac
	24	736.9	-24.4	04	13.6	4	0.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLMCH	BS	PHENOMENA
FEB. 5	03	736.6	-25.7	04	13.2	8	-0.3						
	06	735.7	-25.0	04	12.6	8	-0.9						
	09	734.6	-22.4	04	13.8	7	-1.1	10-	03	20.0	0 3 0	-	10-Ac
	12	734.1	-19.2	04	14.4	6	-0.5						
	15	733.7	-18.2	04	12.6	7	-0.4	10	03	20.0	0 3 7	E	1Ac, 10Cs, ⊕
	18	732.9	-19.1	04	12.0	7	-0.8						
	21	732.7	-22.2	04	13.7	6	-0.2	7	02	20.0	0 3 6	E	2Ac
	24	733.0	-25.9	04	12.8	3	0.3						
FEB. 6	03	733.6	-29.0	04	10.7	2	0.6						
	06	732.8	-28.6	04	12.6	8	-0.8						
	09	732.7	-25.4	04	11.8	7	-0.1						
	12	732.8	-21.9	04	11.2	3	0.1	1	00	20.0	0 3 0	E	1Ac
	15	732.7	-20.2	04	9.8	7	-0.1	1	00	20.0	0 3 0	E	1Ac
	18	732.7	-20.7	04	7.6	4	0.0						
	21	732.8	-25.3	04	8.5	3	0.1	4	03	20.0	0 4 1	-	3Ac, 2Ci
	24	733.6	-27.5	04	9.5	3	0.8						
FEB. 7	03	733.7	-30.5	04	10.5	2	0.1						
	06	733.8	-30.5	04	10.9	1	0.1						
	09	733.8	-28.7	04	11.2	4	0.0	0	00	20.0	0 0 0	E	
	12	734.4	-24.1	04	11.4	3	0.6						
	15	734.8	-22.2	04	10.8	2	0.4	0	00	20.0	0 0 0	E	
	18	734.9	-22.8	04	10.4	1	0.1						
	21	735.7	-26.4	04	9.8	3	0.8	0	00	20.0	0 0 0	E	
	24	736.4	-30.2	04	10.4	2	0.7						
FEB. 8	03	737.0	-32.0	04	10.3	2	0.6						
	06	736.6	-31.0	04	10.3	8	-0.4						
	09	736.3	-28.0	04	9.7	7	-0.3	9	03	20.0	0 3 9	-	9Ac, 2Cc
	12	736.4	-24.0	04	7.8	3	0.1						
	15	735.8	-22.0	04	6.0	8	-0.6	3	01	20.0	0 3 0	-	3Ac
	18	735.4	-22.2	04	4.1	7	-0.4						
	21	735.2	-27.4	04	5.4	7	-0.2	5	03	20.0	0 3 0	-	5Ac
	24	734.9	-30.4	04	8.4	7	-0.3						
FEB. 9	03	734.9	-32.4	04	9.1	4	0.0						
	06	734.7	-31.3	04	10.1	8	-0.2						
	09	734.9	-27.9	04	10.4	3	0.2	0+	00	20.0	0 1 0	-	0+As
	12	735.5	-23.8	04	8.9	2	0.6						
	15	736.0	-21.2	04	6.9	2	0.5	1	00	20.0	0 1 0	-	1As
	18	736.1	-21.7	04	4.3	1	0.1						
	21	736.3	-27.3	04	6.1	2	0.2	2	00	20.0	0 1 0	-	2As
	24	736.9	-31.0	04	7.6	3	0.6						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
FEB.10	03	737.1	-32.5	04	8.9	1	0.2						
	06	737.0	-32.1	04	8.9	8	-0.1						
	09	737.0	-28.0	04	8.8	4	0.0	2	01	20.0	0 3 0	-	2Ac
	12	737.3	-23.3	04	7.8	3	0.3						
	15	737.8	-21.5	02	5.9	2	0.5	2	03	20.0	0 3 0	-	2Ac
	18	737.9	-22.1	03	4.1	1	0.1						
	21	738.1	-27.5	03	6.2	2	0.2	9	03	20.0	0 5 0	-	9Ac
24	738.4	-26.9	04	4.9	2	0.3							
FEB.11	03	738.7	-31.4	04	5.8	1	0.3						
	06	737.3	-32.4	04	9.2	8	-1.4						
	09	736.5	-29.0	03	10.1	7	-0.8						
	12	735.6	-24.6	03	11.0	7	-0.9	0	00	10.0	0 0 0	E	
	15	734.4	-22.1	03	11.5	8	-1.2	1	03	10.0	0 3 0	E	3Ac
	18	732.8	-22.6	04	10.7	7	-1.6						
	21	731.2	-25.3	04	13.1	7	-1.6	0	00	20.0	0 0 0	E	
24	730.3	-28.1	03	14.0	6	-0.9							
FEB.12	03	729.5	-29.1	04	15.0	7	-0.8						
	06	728.9	-27.0	04	16.2	7	-0.6						
	09	729.2	-23.0	03	15.0	3	0.3	8	03	5.0	0 9 6	E	7Ac, 3Cs
	12	729.0	-21.2	04	15.6	8	-0.2						
	15	727.9	-21.0	04	18.4	8	-1.1	7	39	0.1	0 3 X	A	7Ac
	18	727.0	-22.0	04	17.2	7	-0.9						
	21	725.8	-23.3	04	16.2	6	-1.2	7	38	0.5	0 7 0	B	7Ac
24	724.5	-26.0	04	13.2	7	-1.3							
FEB.13	03	723.3	-24.6	04	14.2	7	-1.2						
	06	722.5	-25.0	04	10.8	5	-0.8						
	09	722.7	-22.4	04	10.4	3	0.2						
	12	723.3	-19.7	03	12.6	3	0.6	6	03	20.0	0 4 6	E	2Ac, 4Cs
	15	725.1	-18.0	03	10.3	3	1.8	7	03	20.0	0 4 6	-	5Ac, 3Cs
	18	726.4	-18.2	03	7.3	2	1.3						
	21	728.9	-19.2	03	7.1	2	2.5	7	70	10.0	0 7 0	-	*
24	730.7	-23.9	03	7.1	2	1.8							
FEB.14	03	733.3	-23.0	02	7.4	3	2.6						
	06	735.4	-22.8	03	8.2	2	2.1						
	09	737.3	-19.1	03	7.3	2	1.9	0+	00	20.0	0 3 0	-	0+Ac
	12	739.0	-16.0	02	9.1	2	1.7						
	15	740.2	-14.8	03	5.6	2	1.2	2	03	20.0	0 5 0	-	2Ac
	18	740.6	-15.7	04	7.5	1	0.4						
	21	741.3	-17.6	03	6.2	3	0.7	10-	70	10.0	0 7 0	-	* , 10-Ns
24	741.4	-17.2	04	6.3	1	0.1							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WH	V (km)	CLCH	CH	BS	PHENOMENA
FEB.15	03	742.0	-17.9	03	6.9	3	0.6							
	06	742.0	-18.5	04	7.4	4	0.0							
	09	741.3	-18.4	04	7.0	8	-0.7	5	39	0.2	0 3 0	A	5Ac	
	12	741.0	-17.5	04	13.1	6	-0.3							
	15	740.8	-18.3	04	11.0	7	-0.2	6	37	0.5	0 5 0	C	6Ac	
	18	741.0	-17.9	03	10.0	3	0.2							
	21	741.0	-21.8	04	10.2	4	0.0	8	03	20.0	0 5 0	-	8Ac	
	24	740.9	-23.1	04	12.8	8	-0.1							
FEB.16	03	740.8	-25.1	04	12.3	7	-0.1							
	06	740.6	-22.5	04	12.3	7	-0.2							
	09	740.3	-22.9	04	11.9	7	-0.3	10-	03	20.0	0 7 0	-	10-Ac	
	12	740.2	-18.5	03	10.6	7	-0.1							
	15	739.9	-18.5	03	9.1	7	-0.3	7	01	20.0	0 3 0	E	7Ac	
	18	739.2	-20.3	03	9.4	8	-0.7							
	21	738.9	-22.6	04	10.3	6	-0.3	5	01	20.0	0 3 0	E	5Ac	
	24	738.4	-25.7	04	11.4	7	-0.5							
FEB.17	03	738.2	-28.1	04	11.7	7	-0.2							
	06	737.7	-28.0	04	11.7	8	-0.5							
	09	737.0	-24.4	04	12.8	7	-0.7	0	36	2.0	0 0 0	D		
	12	736.7	-20.7	04	12.6	6	-0.3							
	15	736.0	-19.2	04	11.7	8	-0.7	0+	00	10.0	0 3 0	E	0+Ac	
	18	735.5	-21.0	04	11.3	7	-0.5							
	21	735.3	-25.5	04	13.1	6	-0.2	0	00	20.0	0 0 0	E		
	24	735.0	-29.2	04	14.0	7	-0.3							
FEB.18	03	734.9	-29.8	04	13.8	7	-0.1							
	06	734.7	-30.6	04	13.8	7	-0.2							
	09	734.3	-27.8	04	13.3	7	-0.4	4	36	1.0	0 3 0	D	4Ac	
	12	734.0	-23.6	04	13.5	7	-0.3							
	15	733.2	-21.7	04	11.9	8	-0.8	9	03	20.0	0 3 5	-	8Ac, 3Cs	
	18	732.9	-22.9	04	8.6	6	-0.3							
	21	732.4	-26.5	04	9.2	8	-0.5	10-	03	20.0	0 7 0	-	10-Ac	
	24	731.9	-29.8	04	10.2	7	-0.5							
FEB.19	03	731.2	-33.1	04	10.8	7	-0.7							
	06	730.2	-34.3	04	11.0	7	-1.0							
	09	729.7	-31.6	04	10.5	6	-0.5	0	00	20.0	0 0 0	-		
	12	729.7	-28.0	05	11.4	4	0.0							
	15	729.6	-27.0	05	11.5	6	-0.1	0+	00	20.0	0 3 0	E	0+Ac	
	18	729.8	-28.2	05	11.5	3	0.2							
	21	730.3	-31.7	04	10.9	3	0.5	1	03	10.0	0 5 0	E	1Ac	
	24	729.9	-35.2	04	13.9	8	-0.4							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCHCH	BS	PHENOMENA
FEB.20	03	729.6	-35.5	04	13.5	7	-0.3						
	06	729.3	-34.5	04	13.8	7	-0.3						
	09	728.7	-30.5	04	13.1	7	-0.6	8	36	0.6	0 2 4	D	2Ac, 6Ci
	12	728.5	-27.0	04	13.6	6	-0.2						
	15	728.0	-24.6	04	11.9	8	-0.5	9	36	1.0	0 2 6	D	3As, 7Cs
	18	727.4	-24.8	04	11.0	7	-0.6						
	21	727.6	-26.7	04	9.7	3	0.2	10	37	0.5	0 2 0	C*	* , 10As
	24	728.1	-28.9	03	9.8	2	0.5						
FEB.21	03	728.8	-30.0	04	8.5	1	0.7						
	06	728.7	-31.2	04	9.6	8	-0.1						
	09	728.7	-29.9	04	9.0	4	0.0	10	36	0.6	0 7 6	(D*)	5Ac, 8Cs, ⊕
	12	728.7	-26.6	04	8.4	4	0.0						
	15	728.8	-24.8	04	7.4	3	0.1	8	01	20.0	0 4 6	E	2Ac, 1As, 7Cs
	18	728.7	-26.1	04	7.2	8	-0.1						
	21	728.5	-30.5	04	9.1	7	-0.2	1	01	20.0	0 3 0	E	1Ac
	24	728.7	-34.1	04	10.5	3	0.2						
FEB.22	03	(728.7)	(-35.3)	04	10.2	4	0.0						
	06	(728.8)	(-35.1)	04	10.6	3	0.1						
	09	728.8	-31.2	04	10.0	4	0.0	2	02	5.0	0 3 0	E	2Ac
	12	729.2	-27.7	03	9.1	3	0.4						
	15	729.7	-25.0	03	7.8	2	0.5	9	03	20.0	0 3 6	E	4Ac, 6Cs
	18	730.1	-25.8	04	7.1	2	0.4						
	21	730.7	-28.9	04	7.6	2	0.6	10	02	20.0	0 4 6	E	3Ac, 8Cs
	24	731.2	-30.7	04	8.4	2	0.5						
FEB.23	03	731.5	-32.8	04	8.1	1	0.3						
	06	731.4	-34.4	04	8.9	8	-0.1						
	09	731.3	-31.3	04	7.7	7	-0.1	6	01	20.0	0 1 2	E	1As, 2Cs, 3Ci
	12	731.8	-26.7	04	6.7	3	0.5						
	15	731.5	-25.0	04	6.2	8	-0.3	3	01	20.0	0 0 5	-	3Cs
	18	731.4	-26.9	04	6.6	7	-0.1						
	21	731.0	-33.2	04	8.3	7	-0.4	1	01	20.0	0 1 2	-	1As, 0+Ci
	24	730.9	-35.2	04	9.1	6	-0.1						
FEB.24	03	730.5	-37.2	04	9.6	8	-0.4						
	06	729.9	-36.9	04	10.9	7	-0.6						
	09	729.5	-32.9	04	11.4	7	-0.4	0+	36	0.6	0 3 0	C	0+Ac
	12	729.5	-28.8	04	11.9	4	0.0						
	15	729.6	-26.6	04	10.5	3	0.1	0+	00	5.0	0 1 0	E	0+As
	18	729.3	-27.8	04	10.1	8	-0.3						
	21	729.2	-31.9	04	11.2	7	-0.1	0+	00	5.0	0 1 0	E	0+As
	24	728.8	-33.8	04	11.5	7	-0.4						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NW	V (km)	CLCMCH	BS	PHENOMENA
FEB.25	03	728.4	-34.5	04	12.0	7	-0.4						
	06	727.7	-34.3	04	12.6	8	-0.7						
	09	727.3	-30.5	04	12.4	6	-0.4	0+	36	0.6	0 0 1	D	0+Ci
	12	727.4	-27.6	04	11.5	3	0.1						
	15	727.2	-25.8	04	11.0	8	-0.2	0	00	10.0	0 0 0	E	
	18	727.2	-27.3	04	10.5	4	0.0						
	21	728.1	-31.3	04	11.0	2	0.9	6	36	0.6	0 1 1	D	5As, 1Ci
	24	729.0	-33.7	04	11.5	2	0.9						
FEB.26	03	729.7	-34.5	04	11.7	2	0.7						
	06	730.1	-34.6	04	11.6	1	0.4						
	09	730.7	-30.8	04	10.9	2	0.6	4	02	3.0	0 1 2	E	2As, 4Ci
	12	731.5	-27.1	03	9.8	3	0.8						
	15	731.8	-25.2	03	7.7	1	0.3	4	02	20.0	0 1 9	-	4As, 0+Cc
	18	732.1	-27.6	03	7.2	2	0.3						
	21	732.4	-30.1	03	7.0	2	0.3	6	03	20.0	0 3 0	-	6Ac
	24	733.0	-31.5	03	6.7	3	0.6						
FEB.27	03	733.2	(-33.2)	03	7.1	1	0.2						
	06	733.4	(-33.5)	03	6.0	2	0.2						
	09	733.7	-30.1	03	5.0	2	0.3	6	02	20.0	0 1 1	-	4As, 2Ci
	12	734.0	-24.6	00	2.7	2	0.3						
	15	734.9	-23.8	12	2.0	2	0.9	0+	00	20.0	0 3 0	-	0+As
	18	735.7	-23.1	11	1.2	2	0.8						
	21	736.7	-34.0	05	4.8	2	1.0	0+	00	20.0	0 3 0	-	0+Ac
	24	737.2	-36.7	03	7.1	1	0.5						
FEB.28	03	737.0	-38.4	03	8.4	8	-0.2						
	06	736.4	-36.2	03	8.7	8	-0.6						
	09	735.3	-30.7	03	8.4	8	-1.1	10	70	0.6	0 1 0	D	* , 10As
	12	733.9	-28.3	03	8.0	7	-1.4						
	15	732.2	-25.6	03	8.0	7	-1.7	0+	01	20.0	0 3 4	E	0+Ac, 0+Cc
	18	729.9	-27.8	03	8.8	8	-2.3						
	21	728.7	-31.8	03	10.0	6	-1.2	0	00	10.0	0 0 0	E	
	24	725.7	-34.0	04	11.6	7	-3.0						
MAR. 1	03	725.2	-34.7	03	10.2	7	-0.5						
	06	725.0	-34.7	03	9.7	6	-0.2						
	09	725.3	-30.9	02	8.8	3	0.3	0	00	20.0	0 0 0	E	
	12	726.0	-24.2	01	7.9	3	0.7						
	15	726.7	-23.6	00	5.5	2	0.7	0+	00	20.0	0 3 0	-	0+Ac
	18	727.1	-26.5	02	4.7	1	0.4						
	21	727.5	-25.7	04	3.1	2	0.4	10	70	0.5	0 7 0	-	* , 10Ns
	24	727.5	-27.5	04	5.3	4	0.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	NW	V (km)	CLCMCH	BS	PHENOMENA
MAR. 2	03	727.1	-24.7	02	4.5	8	-0.4						
	06	726.6	-25.5	02	5.2	7	-0.5						
	09	726.0	-26.3	03	6.5	7	-0.6	10	02	10.0	0 3 0	-	10Ac
	12	725.7	-21.6	02	6.2	6	-0.3						
	15	725.3	-20.4	02	5.4	7	-0.4	10-	70	5.0	0 3 X	-	* , 10-Ac
	18	725.1	-22.6	03	5.8	6	-0.2						
	21	725.3	-26.1	03	8.5	3	0.2	7	71	10.0	0 7 0	E†	* , 4Ns, 3Ac
	24	725.7	-27.6	03	8.3	2	0.4						
MAR. 3	03	725.8	-28.5	03	8.2	1	0.1						
	06	725.9	-26.4	02	7.7	2	0.1						
	09	726.3	-22.6	00	7.2	3	0.4	10	71	1.0	0 2 0	-†	* , 10Ns
	12	726.6	-20.1	00	6.9	2	0.3						
	15	725.9	-19.2	00	9.9	8	-0.7	10	71	0.8	0 2 0	E†	* , 10Ns
	18	725.5	-19.8	00	9.3	7	-0.4						
	21	726.7	-26.7	12	3.3	3	1.2	10-	71	5.0	0 7 0	-†	* , 5Ac, 8Ns
	24	727.9	-26.2	01	4.7	2	1.2						
MAR. 4	03	728.1	-26.3	01	6.8	1	0.2						
	06	727.8	-26.8	01	6.9	8	-0.3						
	09	727.2	-24.3	01	5.4	7	-0.6	10	71	5.0	0 2 X	-†	* , 10Ns
	12	726.8	-22.6	00	5.2	7	-0.4						
	15	726.4	-22.4	02	4.6	7	-0.4	9	02	10.0	0 7 0	-	9As, 2Ac
	18	726.0	-25.9	03	7.0	7	-0.4						
	21	725.3	-27.3	03	8.0	8	-0.7	9	72	1.0	0 7 1	E†	* , 7Ac, 9As, 2Ci
	24	724.2	-27.8	03	9.5	7	-1.1						
MAR. 5	03	723.8	-27.5	03	11.7	6	-0.4						
	06	723.4	-26.3	03	11.8	7	-0.4						
	09	723.5	-23.1	01	11.2	3	0.1	10	71	0.5	0 7 X	E†	* , 10Ns
	12	724.0	-20.2	01	9.2	2	0.5						
	15	724.3	-19.5	01	8.0	2	0.3	10	71	0.5	0 7 X	E†	* , 10Ns, ⊕
	18	724.2	-19.8	01	8.2	8	-0.1						
	21	724.3	-21.0	01	7.8	2	0.1	10	71	2.0	0 7 X	-†	* , 10Nc
	24	724.3	-22.2	01	7.0	4	0.0						
MAR. 6	03	724.3	-24.6	03	7.7	4	0.0						
	06	724.0	-28.2	03	8.0	8	-0.3						
	09	723.7	-27.8	03	8.7	7	-0.3	6	01	10.0	0 1 2	E	2As, 4Ci
	12	723.6	-25.6	03	8.7	7	-0.1						
	15	723.3	-24.0	03	6.8	7	-0.3	4	01	20.0	0 1 1	E	1As, 4Ci
	18	723.3	-27.1	03	6.9	4	0.0						
	21	723.2	-31.3	03	8.9	6	-0.1	10-	03	10.0	0 2 X	E	10-As
	24	723.8	-25.6	02	6.9	3	0.6						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NW	V (km)	CLCMCH	BS	PHENOMENA
(1982)													
MAR. 7	03	724.1	-23.8	01	6.7	2	0.3						
	06	724.4	-25.3	02	6.9	2	0.3						
	09	725.3	-24.1	00	3.3	3	0.9	10	03	10.0	0 1 7	-	5As, 10Cs, ⊕
	12	726.9	-23.0	00	3.9	2	1.6						
	15	728.7	-23.4	02	3.9	2	1.8	10	03	20.0	0 1 7	-	3As, 10Cs, ⊕
	18	729.7	-28.3	02	6.0	2	1.0						
	21	730.7	-29.3	02	7.2	2	1.0	8	01	5.0	0 4 2	-	3Ac, 8Ci
	24	731.7	-29.4	03	7.8	2	1.0						
MAR. 8	03	731.9	-28.2	03	8.2	1	0.2						
	06	731.9	-30.0	03	8.5	4	0.0						
	09	732.0	-28.0	03	7.8	3	0.1	10	02	10.0	0 0 7	E	10Cs, ⊕
	12	732.1	-25.6	03	7.1	0	0.1						
	15	731.4	-25.7	04	6.5	8	-0.7	8	01	20.0	0 3 1	E	3Ac, 0+As, 5Ci
	18	730.5	-30.0	04	6.7	7	-0.9						
	21	730.0	-34.5	04	7.9	6	-0.5	3	01	20.0	0 3 1	E	1Ac, 2Ci
	24	729.0	-36.5	04	8.1	8	-1.0						
MAR. 9	03	727.7	-38.0	04	8.9	7	-1.3						
	06	726.6	-37.9	04	8.9	7	-1.1						
	09	725.5	-35.4	04	7.5	7	-1.1	8	03	5.0	0 3 6	E	4Ac, 5Cs
	12	725.0	-30.0	04	7.8	6	-0.5						
	15	724.7	-27.8	04	6.1	7	-0.3	9	03	5.0	0 3 0	E	9Ac
	18	724.3	-32.5	04	6.6	7	-0.4						
	21	724.6	-35.5	03	4.9	3	0.3	10	03	X	0 1 X	-	10As
	24	724.9	-29.8	03	3.3	2	0.3						
MAR.10	03	725.0	-27.8	03	3.2	1	0.1	10	71	X	X X X	-	≡, 10Ns
	06	724.8	-29.3	02	5.2	8	-0.2						
	09	724.6	-26.8	02	5.8	7	-0.2	10	72	1.0	0 7 0	-	≡, 10Ns
	12	724.2	-24.1	02	6.9	7	-0.4						
	15	723.6	-23.3	01	7.9	7	-0.6	10	72	3.0	0 7 1	E	* , 3Ns, 4Ac, 7Ci
	18	723.0	-23.7	01	8.7	7	-0.6						
	21	722.8	-25.6	02	7.9	7	-0.2	10-	72	(5.0)	0 7 X	E	* , 5Ns, 5Ac
	24	722.8	-27.8	03	7.9	4	0.0						
MAR.11	03	722.9	-32.7	03	8.2	3	0.1						
	06	723.7	-32.2	03	9.8	3	0.8						
	09	724.8	-30.0	03	8.2	2	1.1	0+	00	1.0	0 3 0	E	0+Ac
	12	726.1	-26.4	03	6.7	3	1.3						
	15	727.4	-25.5	03	6.8	2	1.3	1	03	20.0	0 0 9	E	1Cc
	18	728.4	(-25.5)	03	8.5	2	1.0						
	21	729.8	-25.4	03	5.5	2	1.4	10-	03	X	0 2 X	-	10-As
	24	729.6	-25.2	04	7.5	8	-0.2						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
MAR.12	03	728.7	-23.1	03	10.3	8	-0.9						
	06	727.5	-23.0	03	10.6	7	-1.2						
	09	727.0	-21.1	02	11.3	6	-0.5	10	38	0.4	0 2 X	B	10As
	12	726.8	-20.7	02	11.2	7	-0.2						
	15	726.3	-20.4	02	12.9	7	-0.5	10	38	0.3	0 1 X	B	10As
	18	726.2	-21.4	02	12.9	5	-0.1						
	21	726.6	-22.4	02	12.6	2	0.4	(8)	38	(0.3)	0 1 X	B	8As
	24	727.7	-23.1	01	10.3	3	1.1						
MAR.13	03	728.2	-23.0	02	10.1	1	0.5	4	(36)	(1.0)	0 2 X	D	4As
	06	728.9	-23.6	02	8.6	2	0.7						
	09	729.3	-22.8	03	8.6	2	0.4	10	36	0.8	0 1 X	D	10As
	12	729.3	-22.3	03	10.1	4	0.0						
	15	729.2	-21.0	03	9.5	8	-0.1	10	36	1.0	0 1 X	D*	* , 10As
	18	728.8	-22.6	03	9.2	7	-0.4						
	21	728.6	-26.5	04	9.9	7	-0.2	3	36	X	0 1 X	D	3As
	24	727.8	-29.3	04	10.9	8	-0.8						
MAR.14	03	727.2	-27.6	03	10.9	7	-0.6						
	06	726.7	-30.0	04	11.2	7	-0.5						
	09	726.3	-28.3	03	10.4	7	-0.4	8	36	1.0	0 1 0	D	8As
	12	726.4	-26.3	03	10.3	3	0.1						
	15	726.5	-25.8	03	9.9	2	0.1	10-	03	10.0	0 1 0	E	10-As
	18	726.8	-27.0	03	9.2	2	0.3						
	21	727.6	-26.1	03	8.9	3	0.8	6	01	X	0 1 X	(E)	6As
	24	728.3	-26.8	03	8.9	2	0.7						
MAR.15	03	729.3	-26.8	03	7.8	2	1.0						
	06	730.4	-27.6	03	8.6	2	1.1						
	09	731.6	-28.8	03	8.8	2	1.2	9	01	10.0	0 3 4	E	6Ac, 8Ci
	12	732.8	-25.2	03	7.8	2	1.2						
	15	733.8	-24.5	03	7.8	2	1.0	8	01	20.0	0 3 5	E	7Ac, 4Cs
	18	734.7	-29.0	04	8.8	2	0.9						
	21	735.2	-32.1	04	9.9	1	0.5	2	01	X	0 3 X	E	2Ac
	24	735.6	-31.9	04	11.1	2	0.4						
MAR.16	03	735.9	-31.3	04	10.9	1	0.3						
	06	735.9	-32.4	04	11.0	4	0.0						
	09	735.9	-31.1	04	10.2	4	0.0	9	03	10.0	0 0 4	E	9Ci
	12	735.8	-28.8	04	10.4	8	-0.1						
	15	735.2	-28.8	04	10.0	8	-0.6	7	01	10.0	0 0 1	E	7Ci
	18	734.5	-31.9	04	11.4	7	-0.7						
	21	734.2	-35.4	04	12.2	6	-0.3	1	(36)	X	0 1 0	(D)	1As
	24	733.9	-36.2	04	13.0	7	-0.3						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLMCH	BS	PHENOMENA
MAR. 17	03	733.9	-37.0	04	13.8	4	0.0						
	06	733.4	-38.7	04	12.8	8	-0.5						
	09	733.0	-37.2	04	11.7	7	-0.4						
	12	733.0	-34.0	04	12.0	4	0.0	0+	36	0.6	0 0 1	D	0+Ci
	15	732.9	-33.1	04	11.1	8	-0.1	0+	36	1.0	0 0 1	D	0+Ci
	18	732.7	-36.5	04	11.8	6	-0.2						
	21	733.4	-39.5	04	11.2	3	0.7	0	(36)	X	0 0 0	(D)	
24	734.0	-40.7	04	11.9	2	0.6							
MAR. 18	03	734.4	-41.5	04	12.7	2	0.4						
	06	734.6	-41.7	04	13.0	2	0.2						
	09	735.0	-38.7	04	13.7	2	0.4	2	39	0.2	0 1 0	A	2As
	12	735.2	-36.6	04	14.3	0	0.2						
	15	734.7	-34.2	04	12.8	8	-0.5	4	39	0.2	0 1 1	A	1As, 4Ci
	18	733.7	-37.7	04	14.2	8	-1.0						
	21	732.8	-40.2	04	14.7	7	-0.9	(0)	(39)	X	0 0 0	(A)	
24	732.5	-41.7	04	14.7	6	-0.3							
MAR. 19	03	731.4	-41.7	04	14.8	8	-1.1						
	06	730.7	-42.1	04	14.4	7	-0.7						
	09	730.1	-39.5	04	14.0	7	-0.6	0	39	0.1	0 0 0	A	
	12	729.3	-36.7	04	14.5	6	-0.8						
	15	728.9	-35.9	04	11.0	7	-0.4	0	38	0.5	0 0 0	B	
	18	728.0	-38.3	04	12.2	8	-0.9						
	21	727.0	-39.9	04	13.7	7	-1.0	(0)	(39)	X	0 0 0	A	
24	725.2	-41.2	04	13.9	8	-1.8							
MAR. 20	03	723.9	-42.8	04	13.2	7	-1.3						
	06	722.8	-42.9	04	13.5	7	-1.1						
	09	722.2	-39.9	04	13.4	6	-0.6	0	39	0.2	0 0 0	A	
	12	722.6	-37.7	03	13.0	3	0.4						
	15	723.3	-34.7	03	10.0	2	0.7	10-	36	0.8	0 7 0	D	10-Ac
	18	724.2	-33.7	03	9.1	2	0.9						
	21	725.0	-33.7	03	9.0	2	0.8	(4)	(01)	X	0 1 X	(D)	(4As)
24	725.8	-30.7	03	8.6	2	0.8							
MAR. 21	03	727.3	-28.8	03	7.7	2	1.5						
	06	728.3	-29.6	03	7.2	2	1.0						
	09	729.3	-28.4	03	7.3	2	1.0	10	70	0.6	0 2 X	E	* , 10Ns
	12	730.3	(-26.8)	02	5.9	2	1.0						
	15	730.9	-25.4	01	4.6	1	0.6	10	71	5.0	0 2 X	-t	* , 10Ns
	18	731.5	-25.0	16	2.3	2	0.6						
	21	731.6	-25.5	01	3.1	1	0.1	10	71	X	0 2 X	-t	* , 10Ns
24	731.8	-25.4	03	4.2	2	0.2							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLCMCH	BS	PHENOMENA
MAR.22	03	731.2	-26.5	03	5.2	8	-0.6						
	06	730.3	-29.4	04	6.1	7	-0.9						
	09	729.0	-28.5	03	10.6	8	-1.3	10	(71)	0.3	0 2 X	B†	(*) , 10Ns
	12	728.5	-27.8	03	11.3	6	-0.5						
	15	727.2	-28.1	03	12.0	8	-1.3	10	(71)	0.2	0 1 X	(A†)	(*) , 10As
	18	726.0	-29.8	03	13.1	7	-1.2						
	21	725.0	-29.0	03	13.4	7	-1.0	10	(71)	X	0 2 X	(A†)	(*) , (10Ns)
	24	723.9	-29.8	03	14.0	7	-1.1						
MAR.23	03	723.2	-29.8	04	13.2	7	-0.7						
	06	721.8	-29.1	04	14.2	7	-1.4						
	09	721.3	-28.8	03	12.9	6	-0.5	8	39	0.2	0 3 6	A	3Ac, 7Cs
	12	721.0	-27.8	03	12.2	7	-0.3						
	15	720.6	-27.7	04	11.6	7	-0.4	10	36	0.6	0 3 7	D	4Ac, 10Cs
	18	719.9	-31.2	04	11.4	7	-0.7						
	21	719.8	-34.7	04	12.3	6	-0.1	4	(38)	X	0 3 X	(B)	(4Ac)
	24	719.6	-36.8	04	12.3	7	-0.2						
MAR.24	03	719.8	-36.2	04	10.7	3	0.2						
	06	719.5	-38.5	04	10.7	8	-0.3						
	09	719.7	-38.7	04	10.2	3	0.2	0	36	1.0	0 0 0	D	
	12	719.9	-36.3	04	9.8	2	0.2						
	15	719.7	-36.0	04	7.8	8	-0.2	0+	00	20.0	0 3 1	E	0+Ci, 0+Ac
	18	718.8	-40.2	04	8.6	8	-0.9						
	21	718.1	-41.8	04	8.4	7	-0.7	0+	00	X	0 3 X	(E)	(0+Ac)
	24	717.0	-42.6	04	7.6	7	-1.1						
MAR.25	03	715.0	-42.6	04	7.0	8	-2.0						
	06	713.4	-42.8	04	5.0	7	-1.6						
	09	712.8	-39.7	04	5.2	6	-0.6	10	44	0.5	0 1 X	-'	≡ , 10As
	12	715.1	-33.0	03	4.4	3	2.3						
	15	715.3	-30.9	01	6.4	1	0.2	10	44	0.4	0 1 X	-'	≡ , 10As
	18	715.7	-32.0	01	4.8	2	0.4						
	21	715.7	-30.9	02	4.7	4	0.0	6	71	X	0 2 X	-†	* , 6As
	24	715.8	-31.1	03	7.0	3	0.1						
MAR.26	03	715.2	-30.0	03	8.7	8	-0.6						
	06	715.2	-27.0	02	10.8	4	0.0						
	09	716.0	-25.1	01	10.7	3	0.8	10	73	0.2	0 2 X	C†	* , 10Ns
	12	718.2	-23.1	16	9.4	3	2.2						
	15	720.0	-22.6	16	9.9	2	1.8	10	73	0.2	0 2 X	C†	* , 10Ns
	18	722.1	-22.0	16	11.2	2	2.1						
	21	723.9	-21.6	16	12.0	2	1.8	(10)	73	X	X 2 X	(C†)	* , (10Ns)
	24	726.3	-20.7	15	13.0	2	2.4						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
MAR.27	03	727.8	-20.7	15	12.2	1	1.5						
	06	728.8	-20.2	16	8.8	2	1.0						
	09	729.7	-21.1	16	6.0	2	0.9	10	71	1.0	0 2 X	-t	* , 10Ns
	12	729.7	-20.5	01	8.4	4	0.0						
	15	728.7	-21.8	02	7.8	8	-1.0	10	02	10.0	0 1 X	E	10As
	18	728.2	-24.8	04	8.0	7	-0.5						
	21	727.8	-26.2	04	9.6	7	-0.4	(7)	70	X	0 1 X	(D)	* , 7As
	24	727.4	-28.2	04	9.5	7	-0.4						
MAR.28	03	726.5	-26.1	04	9.5	7	-0.9						
	06	725.9	-26.5	04	10.1	7	-0.6						
	09	725.7	-27.1	04	9.5	6	-0.2	10	36	1.0	0 1 X	(D)	10As
	12	725.1	-26.3	04	9.6	8	-0.6						
	15	724.5	-25.6	04	9.4	7	-0.6	10	73	1.0	0 2 X	D	* , 10Ns
	18	723.9	-29.4	04	9.8	7	-0.6						
	21	723.3	-32.0	04	11.5	7	-0.6	4	38	X	X X X	(B)	(4As)
	24	722.1	-33.7	04	11.3	8	-1.2						
MAR.29	03	720.6	-36.5	04	10.9	7	-1.5						
	06	719.3	-39.5	04	11.3	7	-1.3						
	09	718.2	-40.2	04	12.3	7	-1.1	0	37	0.2	0 0 0	C	
	12	717.3	-38.7	04	13.5	7	-0.9						
	15	716.7	-38.0	04	13.9	6	-0.6	0	39	0.1	0 0 0	A	
	18	716.6	-41.7	04	14.0	8	-0.1						
	21	716.2	-43.9	04	14.1	7	-0.4	0	(39)	X	X X X	(A)	
	24	716.0	-44.4	04	13.7	7	-0.2						
MAR.30	03	715.6	-45.6	04	12.7	7	-0.4						
	06	715.4	-47.2	04	12.4	7	-0.2						
	09	715.2	-47.1	04	12.3	6	-0.2	0	39	0.2	0 0 0	A	
	12	715.7	-45.2	04	11.3	3	0.5						
	15	716.4	-45.0	04	10.6	2	0.7	1	36	0.8	0 1 9	D	1As, 0+Cc
	18	716.8	-47.1	04	12.2	1	0.4						
	21	716.8	-47.1	04	13.6	4	0.0	10	(39)	X	0 2 X	(A)	(10As)
	24	716.6	-47.1	04	14.2	8	-0.2						
MAR.31	03	716.7	-45.3	04	13.0	3	0.1						
	06	716.4	-45.6	04	13.7	6	-0.3						
	09	716.4	-45.1	04	13.5	4	0.0	10	39	0.05	0 1 2	A	4As, 6Ci
	12	716.8	-43.1	04	13.1	3	0.4						
	15	716.9	-42.8	04	12.9	1	0.1	0	39	0.1	0 0 0	A	
	18	717.0	-44.3	04	13.2	2	0.1						
	21	717.3	-44.6	04	13.0	1	0.3	3	(39)	X	0 1 X	(A)	3As
	24	717.3	-44.4	04	12.9	4	0.0						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
(1982)													
APR. 1	03	717.3	-45.3	04	13.0	4	0.0						
	06	717.7	-45.0	04	13.0	3	0.4						
	09	718.3	-42.8	04	12.8	2	0.6	7	39	0.1	0 3 2	A	2Ac, 7Ci
	12	718.7	-40.1	04	12.3	2	0.4						
	15	719.2	-36.9	04	10.7	2	0.5	10	38	0.5	0 2 7	B	2As, 10Cs
	18	719.7	-37.1	04	10.6	0	0.5						
	21	719.6	-35.4	04	11.5	7	-0.1	(8)	(38)	X	0 2 X	(B)	(8As)
	24	719.8	-34.5	03	11.5	3	0.2						
APR. 2	03	720.3	-33.7	03	10.8	2	0.5						
	06	720.3	-32.8	03	10.5	4	0.0						
	09	720.8	-33.0	03	10.0	3	0.5	9	36	1.0	0 1 6	D	3As, 6Cs
	12	721.7	-31.8	03	9.5	3	0.9						
	15	722.6	-31.9	03	8.1	2	0.9	9	02	5.0	0 7 9	E	3Ac, 4Cc, 2Cs
	18	723.2	-34.5	03	9.0	2	0.6						
	21	723.6	-34.5	03	9.2	2	0.4	0	00	X	0 0 0	(E)	
	24	723.9	-34.8	03	10.7	2	0.3						
APR. 3	03	724.3	(-36.7)	03	10.0	2	0.4						
	06	724.9	(-37.7)	03	8.3	2	0.6						
	09	725.4	-37.7	03	8.3	2	0.5	3	01	5.0	0 3 1	E	2Ac, 1Ci
	12	725.6	-37.3	04	8.4	0	0.2						
	15	724.8	-37.9	04	8.4	8	-0.8	3	03	5.0	0 3 1	E	2Ac, 1Ci
	18	722.9	-38.5	04	9.9	8	-1.9						
	21	721.1	-38.1	04	10.0	7	-1.8	4	02	X	0 3 X	E	(4Ac)
	24	718.6	-36.2	04	12.6	8	-2.5						
APR. 4	03	715.5	-34.5	03	14.4	7	-3.1						
	06	713.1	-32.0	04	15.6	7	-2.4						
	09	710.8	-31.4	03	17.1	7	-2.3	10	71	0.0	0 2 X	A*	*, 10Ns
	12	710.3	-28.8	02	17.2	5	-0.5						
	15	711.5	-26.6	02	15.8	3	1.2	10	71	0.05	0 2 X	A*	*, 10Ns
	18	713.2	-26.8	02	15.3	2	1.7						
	21	714.5	-26.8	02	16.2	2	1.3	7	(71)	X	0 2 X	(A*)	(*), (7Ns)
	24	715.5	-28.6	02	15.7	2	1.0						
APR. 5	03	716.2	-28.3	02	13.8	1	0.7						
	06	716.3	-28.6	02	12.3	1	0.1						
	09	717.2	-28.3	02	11.1	3	0.9	9	38	0.3	0 7 0	B	9Ac
	12	718.8	-27.9	01	10.0	3	1.6						
	15	719.4	-27.4	02	9.9	1	0.6	10	(70)	0.3	0 2 X	(B*)	(*), 10Ns
	18	720.1	-28.4	01	9.8	2	0.7						
	21	721.2	-27.2	01	9.7	2	1.1	10	71	X	0 2 X	A*	*, 10Ns
	24	721.9	-27.5	01	9.2	2	0.7						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLMCH	BS	PHENOMENA	
APR. 6	03	722.5	-27.6	01	9.1	2	0.6							
	06	723.0	-27.1	01	9.0	2	0.5							
	09	724.1	-26.0	01	7.0	3	1.1	10	71	1.0	0 2 X	D*	* , 10Ns	
	12	724.7	-25.6	01	6.2	1	0.6							
	15	724.9	-27.0	02	6.8	1	0.2	10	71	5.0	0 2 X	-*	* , 10As	
	18	724.8	-30.0	03	8.1	8	-0.1							
	21	724.7	-30.9	03	9.5	7	-0.1	10	(71)	X	0 2 X	(D*)	(*) , 10As	
24	724.8	-31.5	03	8.6	3	0.1								
APR. 7	03	724.6	-33.5	03	9.5	8	-0.2							
	06	724.4	-32.8	03	10.0	5	-0.2							
	09	724.7	-33.2	03	9.6	2	0.3	10	02	2.0	0 2 X	E	10As	
	12	725.1	-31.9	03	9.1	2	0.4							
	15	725.5	-30.7	03	8.6	2	0.4	10	01	5.0	0 7 6	E	4Ac, 6Cs	
	18	726.0	-31.9	03	8.0	2	0.5							
	21	726.4	-30.3	02	7.3	2	0.4	8	02	X	0 3 X	(E)	8Ac	
24	726.6	-30.8	02	7.3	0	0.2								
APR. 8	03	725.3	-30.6	02	8.0	8	-1.3							
	06	723.4	-31.2	03	9.6	8	-1.9							
	09	721.4	-31.0	03	11.0	7	-2.0	10	38	0.3	0 2 X	B	10As	
	12	718.2	-28.8	04	13.0	8	-3.2							
	15	715.2	-27.8	04	14.6	7	-3.0	10	39	0.1	0 2 X	A*	(*) , 10Ns	
	18	713.2	-27.3	04	14.6	6	-2.0							
	21	712.8	-27.9	04	13.5	6	-0.4	10	(39)	X	0 1 X	(A)	10As	
24	712.6	-28.7	04	13.8	7	-0.2								
APR. 9	03	712.5	-30.1	03	11.2	5	-0.1							
	06	713.3	-30.3	04	12.8	3	0.8							
	09	714.7	-31.8	04	11.2	3	1.4	10	(70)	0.1	0 2 X	(A*)	(*) , 10As	
	12	716.0	-33.7	04	11.6	2	1.3							
	15	717.3	-35.5	04	12.1	2	1.3	10	71	0.1	0 2 X	A*	* , 10Ns	
	18	718.0	-36.0	04	11.4	1	0.7							
	21	719.2	-39.2	04	11.8	3	1.2	6	(39)	X	0 3 X	(A)	(6Ac)	
24	721.1	-46.6	05	14.1	2	1.9								
APR. 10	03	721.5	-48.4	05	14.9	3	0.4							
	06	722.2	-45.6	05	13.1	2	0.7							
	09	722.5	-44.0	05	11.2	3	0.3	1	36	0.6	0 3 1	D	1Ac, 0+Ci	
	12	722.7	-41.2	04	10.7	0	0.2							
	15	721.9	-40.4	04	9.3	6	-0.8	1	36	1.0	0 3 1	D	1Ac, 0+Ci	
	18	721.6	-42.6	04	11.2	8	-0.3							
	21	720.5	-43.6	04	12.5	8	-1.1	3	(38)	X	0 3 X	(B)	3Ac	
24	720.3	-43.1	04	11.4	6	-0.2								

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLMCH	BS	PHENOMENA
APR.11	03	719.0	-38.7	04	12.9	8	-1.3						
	06	718.1	-36.0	04	13.7	7	-0.9						
	09	717.2	-31.9	04	14.3	7	-0.9	10	71	0.1	0 2 X	A#	* , 10Ns
	12	716.8	-31.7	04	15.3	6	-0.4						
	15	716.5	-31.3	04	14.9	6	-0.3	10	39	0.1	0 7 B	A	7Ac, 3Cs
	18	717.3	-30.7	04	15.0	3	0.8						
	21	719.4	-31.7	04	14.1	3	2.1	7	(39)	X	0 3 X	(A)	7Ac
	24	722.0	-34.5	04	14.4	3	2.6						
APR.12	03	725.1	-37.2	04	14.4	2	3.1						
	06	728.0	-39.2	04	13.7	2	2.9						
	09	730.8	-40.1	04	13.8	2	2.8	10-	39	0.2	0 7 X	A	10-Ac
	12	733.9	-40.7	04	13.6	2	3.1						
	15	736.2	-41.7	04	13.0	3	2.3	2	39	0.2	0 3 1	A	2Ac, 0+Ci
	18	737.9	-42.0	04	14.0	2	1.7						
	21	739.8	-42.7	04	14.0	2	1.9	3	(39)	X	0 3 X	(A)	(3Ac)
	24	741.0	-42.6	04	13.4	1	1.2						
APR.13	03	741.8	-43.6	05	13.6	1	0.8						
	06	741.8	-43.1	05	13.5	4	0.0						
	09	741.6	-42.6	04	13.8	8	-0.2	0	39	0.2	0 0 0	A	
	12	742.2	-40.1	05	13.1	3	0.6						
	15	741.5	-38.0	05	14.0	8	-0.7	0	39	0.1	0 0 0	A	
	18	741.2	-38.9	05	15.7	6	-0.3						
	21	741.3	-37.9	05	14.0	3	0.1	(0)	(39)	X	0 0 X	(A)	
	24	741.7	-37.7	05	13.8	3	0.4						
APR.14	03	741.7	-39.0	05	13.3	4	0.0						
	06	740.8	-38.5	05	13.6	8	-0.9						
	09	739.9	-38.7	05	16.6	6	-0.9	2	39	0.05	0 1 0	A	2As
	12	739.5	-35.9	04	15.0	8	-0.4						
	15	739.3	-38.3	05	16.3	6	-0.2	2	39	0.05	0 1 0	A	2As
	18	739.1	-37.8	05	16.6	5	-0.2						
	21	738.8	-37.2	05	13.7	8	-0.3	(0)	(39)	X	0 0 X	(A)	
	24	737.9	-36.2	05	15.4	7	-0.9						
APR.15	03	736.8	-36.4	05	15.0	7	-1.1						
	06	736.3	-37.3	05	11.8	6	-0.5						
	09	734.6	-38.9	05	11.6	8	-1.7	0	36	0.6	0 0 0	D	
	12	732.5	-38.4	04	11.6	6	-2.1						
	15	732.0	-39.0	04	11.8	8	-0.5	0	36	0.6	0 0 0	D	
	18	732.0	-41.7	04	14.7	4	0.0						
	21	733.0	-41.9	04	16.2	3	1.0	0	(39)	X	0 0 X	(A)	
	24	735.0	-41.0	04	14.2	3	2.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
APR. 16	03	736.4	-42.2	04	12.7	2	1.4						
	06	737.5	-42.7	04	12.5	2	1.1						
	09	738.8	-42.9	05	14.3	2	1.3	1	39	0.2	0 1 0	A	1As
	12	739.8	-41.9	04	13.4	2	1.0						
	15	740.2	-42.8	05	15.0	3	0.4	0	39	0.1	0 0 0	A	
	18	740.2	-43.7	05	15.5	4	0.0						
	21	739.7	-43.6	05	16.7	8	-0.5	(0)	(39)	X	0 0 X	(A)	
	24	738.8	-44.6	05	17.0	6	-0.9						
APR. 17	03	737.7	-44.4	05	16.7	8	-1.1						
	06	735.2	-45.8	04	17.5	7	-2.5						
	09	734.3	-43.0	04	16.8	6	-0.9	0	39	0.05	0 0 0	A	
	12	733.2	-45.3	04	17.7	8	-1.1						
	15	731.8	-47.8	04	18.0	6	-1.4	2	39	0.00	0 1 0	A	2As
	18	731.6	-44.9	04	17.8	6	-0.2						
	21	732.0	-43.6	04	17.4	3	0.4	0	39	X	0 0 X	A	
	24	732.8	-42.6	04	16.5	3	0.8						
APR. 18	03	733.3	-39.9	04	14.6	1	0.5						
	06	733.2	-39.5	04	14.7	8	-0.1						
	09	733.4	-38.7	04	14.0	3	0.2	10-	39	0.1	0 1 X	A	10-As
	12	732.8	-39.1	04	13.0	8	-0.6						
	15	730.4	-40.4	04	12.8	8	-2.4	5	38	0.4	0 1 1	B	1As, 4Ci
	18	727.2	-41.2	04	13.5	7	-3.2						
	21	724.4	-40.2	04	14.6	7	-2.8	(0)	(38)	X	0 0 X	(B)	
	24	722.3	-42.3	04	14.6	6	-2.1						
APR. 19	03	721.0	-41.5	04	14.6	6	-1.3						
	06	719.7	-40.7	04	14.7	7	-1.3						
	09	719.2	-37.5	04	13.8	6	-0.5	10	39	0.1	0 2 X	A	10As
	12	720.0	-35.7	03	14.4	3	0.8						
	15	722.3	-30.5	03	10.7	3	2.3	10	38	0.5	0 7 X	B	3Ac, 10As
	18	723.4	-28.0	02	9.8	1	1.1						
	21	724.6	-27.0	02	10.1	2	1.2	X	70	X	X X X	(Dt)	*
	24	725.8	-28.3	02	8.2	2	1.2						
APR. 20	03	726.8	-31.5	03	9.0	2	1.0						
	06	727.3	-35.5	03	8.7	1	0.5						
	09	727.8	-37.3	03	8.3	2	0.5	6	01	1.0	0 3 0	(E)	6Ac
	12	728.2	-35.4	03	7.7	2	0.4						
	15	728.1	-34.4	03	6.8	8	-0.1	10-	03	0.8	0 1 1	-	10-As, 0+Ci
	18	728.2	-37.0	04	6.8	3	0.1						
	21	727.8	-35.6	04	5.7	8	-0.4	(10)	70	X	X X X	-t	*
	24	727.3	-37.9	04	6.6	7	-0.5						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NW	V (km)	CLCCH	BS	PHENOMENA
APR.21	03	727.0	-40.3	04	7.4	8	-0.3						
	06	726.2	-44.6	04	8.7	8	-0.8						
	09	725.5	-45.4	04	9.5	7	-0.7	1	36	0.6	0 1 0	D	1As
	12	725.2	-42.9	04	9.5	6	-0.3						
	15	725.2	-43.4	04	9.6	4	0.0	6	36	1.0	0 3 0	D	6Ac
	18	725.6	-45.3	04	10.6	3	0.4						
	21	726.2	-46.7	04	11.6	2	0.6	(3)	(36)	X	0 3 0	(D)	(3Ac)
	24	726.8	-48.4	04	12.2	2	0.6						
APR.22	03	727.3	-48.8	04	11.0	2	0.5						
	06	727.7	-48.9	04	11.1	2	0.4						
	09	727.7	-48.7	04	11.2	4	0.0	1	(48)	0.2	0 1 0	(A')	(≡), 1Ac
	12	727.8	-46.2	04	11.5	1	0.1						
	15	727.8	-43.1	04	10.2	4	0.0	10-	37	0.4	0 2 0	C	10-As
	18	727.5	-45.8	04	9.7	8	-0.3						
	21	727.0	-47.6	04	10.0	7	-0.5	0	(37)	X	0 0 0	(C)	
	24	726.5	-46.8	04	10.0	7	-0.5						
APR.23	03	727.0	-46.6	04	9.9	3	0.5						
	06	727.7	-46.7	04	9.8	2	0.7						
	09	728.3	-43.8	04	9.8	2	0.6	7	(48)	0.3	0 1 0	(C')	(≡), 7As
	12	729.0	-44.3	04	10.2	2	0.7						
	15	729.2	-45.3	04	10.8	1	0.2	8	(70)	0.2	0 3 1	(A*)	(*) , 7Ac, 1Ci
	18	728.7	-46.8	04	11.3	8	-0.5						
	21	727.7	-47.3	04	11.2	7	-1.0	(2)	(71)	0.2	X X X	(A*)	(*)
	24	726.7	-47.3	04	11.1	7	-1.0						
APR.24	03	725.6	-45.6	04	10.8	7	-1.1						
	06	724.6	-47.2	04	10.9	7	-1.0						
	09	723.8	-47.2	04	11.1	7	-0.8	0	37	0.2	0 0 0	(C')	
	12	723.3	-46.4	04	10.5	6	-0.5						
	15	722.0	-47.6	04	11.2	8	-1.3	2	37	0.4	0 3 0	C	3Ac
	18	721.2	-47.6	04	11.3	6	-0.8						
	21	720.5	-47.3	04	11.0	7	-0.7	(0)	(37)	X	0 0 0	(C)	
	24	720.1	-47.1	04	11.2	6	-0.4						
APR.25	03	719.8	-47.4	04	10.5	6	-0.3						
	06	719.8	-47.3	04	10.3	4	0.0						
	09	720.3	-46.9	04	9.6	3	0.5	7	36	1.0	0 7 X	D	7Ac
	12	721.7	-42.9	04	8.4	3	1.4						
	15	723.2	-41.9	03	7.3	2	1.5	7	02	5.0	0 7 0	E	7Ac
	18	725.1	-41.7	03	6.2	2	1.9						
	21	727.1	-44.5	03	7.8	2	2.0						
	24	728.9	-44.8	03	7.8	2	1.8	2	70	X	X X X	E*	*

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
APR.26	03	729.8	-38.9	04	6.8	1	0.9						
	06	730.1	-40.0	03	8.1	1	0.3						
	09	730.0	-43.4	04	9.6	8	-0.1	3	(48)	0.2	0 5 0	(C')	(≡), 3Ac
	12	728.8	-42.9	04	11.5	8	-1.2						
	15	727.6	-41.4	03	11.7	7	-1.2	7	(76)	0.2	0 7 1	(A8)	(→), 5Ac, 2Ci
	18	726.8	-38.3	04	11.5	6	-0.8						
	21	726.8	-37.4	03	11.6	4	0.0						
24	727.3	-32.9	03	11.2	3	0.5	5	(71)	X	X X X	(B8)	(*)	
APR.27	03	727.4	-30.1	03	9.8	1	0.1						
	06	727.4	-29.8	03	10.5	4	0.0						
	09	727.6	-30.5	03	10.8	3	0.2	10	(71)	0.2	0 7 X	(A8)	(*) , 10Ac
	12	727.8	-31.6	03	11.3	2	0.2						
	15	727.8	-34.0	04	10.9	4	0.0	8	36	1.0	0 7 4	D	6Ac, 2Ci
	18	728.2	-37.4	04	10.9	3	0.4						
	21	729.2	-38.7	04	11.1	3	1.0	0	(38)	X	0 0 0	(B)	
24	730.0	-40.5	04	10.9	2	0.8							
APR.28	03	730.9	-41.9	04	9.2	2	0.9						
	06	731.7	-44.4	04	9.6	2	0.8						
	09	732.1	-44.6	04	9.2	1	0.4	1	00	10.0	0 1 1	E	1As, 0+Ci
	12	732.2	-44.6	04	9.7	1	0.1						
	15	731.8	-44.0	04	9.7	8	-0.4	10-	03	10.0	0 3 X	E	10-Ac
	18	731.8	-42.2	04	9.1	4	0.0						
	21	731.1	-45.4	04	9.5	8	-0.7						
24	730.7	-49.2	04	11.2	7	-0.4	(2)	(38)	X	X X X	(B)		
APR.29	03	729.0	-48.3	04	12.1	8	-1.7						
	06	728.2	-44.6	04	13.8	6	-0.8						
	09	727.8	-43.3	04	14.1	6	-0.4	4	39	0.1	0 3 4	A	1Ac, 4Ci
	12	728.3	-42.6	04	13.4	3	0.5						
	15	730.0	-41.9	04	12.2	3	1.7	10-	39	0.2	0 3 4	A	2Ac, 10-Ci
	18	731.0	-43.3	04	12.0	1	1.0						
	21	731.7	-45.0	04	11.8	2	0.7	(0)	(38)	X	X X X	(B)	
24	731.6	-44.6	04	10.6	8	-0.1							
APR.30	03	730.6	-44.1	04	12.4	8	-1.0						
	06	728.5	-43.6	04	12.8	7	-2.1						
	09	726.7	-43.6	04	13.0	7	-1.8	10-	38	0.3	0 1 X	B	10-As
	12	725.0	-44.3	04	12.1	7	-1.7						
	15	723.3	-45.4	04	13.9	7	-1.7	3	39	0.2	0 1 0	A	3As
	18	721.9	-44.9	04	14.6	7	-1.4						
	21	720.5	-47.3	04	15.9	7	-1.4	(5)	(39)	X	X X X	(A)	
24	719.6	-48.1	04	15.2	6	-0.9							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLCMCH	BS	PHENOMENA
MAY 1	03	719.5	-46.7	04	16.7	6	-0.1						
	06	720.8	-46.7	04	18.0	2	1.3						
	09	721.2	-48.6	04	17.4	2	0.4	10	39	0.02	0 1 X	A	10As
	12	721.7	-48.7	04	16.6	2	0.5						
	15	721.9	-47.6	04	16.0	2	0.2	7	39	0.02	0 1 X	A	7As
	18	721.7	-46.1	04	16.1	7	-0.2						
	21	722.3	-44.6	04	15.8	2	0.6	(8)	(39)	X	X X X	(A)	
	24	722.5	-46.8	04	16.9	0	0.2						
MAY 2	03	721.7	-47.6	04	17.3	7	-0.8						
	06	720.7	-48.0	04	17.9	7	-1.0						
	09	720.1	-47.0	04	17.7	7	-0.6	8	39	0.02	0 1 X	A	8As
	12	719.6	-44.6	04	15.4	7	-0.5						
	15	719.2	-42.6	04	13.5	7	-0.4	2	39	0.05	0 1 0	A	2As
	18	718.4	-43.5	04	13.2	7	-0.8						
	21	717.1	-44.9	04	13.5	7	-1.3	(2)	(39)	X	X X X	(A)	
	24	716.7	-46.4	04	13.6	7	-0.4						
MAY 3	03	714.7	-48.5	04	11.1	7	-2.0						
	06	714.2	-50.3	04	9.4	7	-0.5						
	09	714.5	-50.7	04	10.0	3	0.3	0	00	20.0	0 0 0	E	
	12	717.1	-49.9	04	10.0	2	2.6						
	15	720.3	-50.2	04	10.1	2	3.2	0+	00	20.0	0 1 0	E	0+As
	18	723.0	-50.6	04	10.8	2	2.7						
	21	725.0	-50.1	04	12.4	2	2.0	(2)	03	X	X X X	(E)	
	24	726.7	-48.2	04	12.6	2	1.7						
MAY 4	03	725.8	-46.1	04	15.0	7	-0.9						
	06	724.0	-42.6	04	18.1	8	-1.8						
	09	721.0	-39.6	04	18.6	7	-3.0	10	39	0.02	0 1 X	A	10As
	12	717.8	-36.7	04	19.4	7	-3.2						
	15	715.8	-35.7	04	18.2	7	-2.0	10	39	0.01	0 1 X	A	10As
	18	715.0	-34.7	04	17.2	7	-0.8						
	21	716.2	-31.8	04	14.1	3	1.2	(10)	(39)	X	X X X	(A)	
	24	717.4	-33.7	04	10.5	2	1.2						
MAY 5	03	717.9	-36.7	04	9.9	2	0.5						
	06	720.0	-36.7	04	9.2	2	2.1						
	09	721.4	-39.5	04	8.8	2	1.4	9	36	1.0	0 1 0	(D)	9As
	12	722.4	-41.8	04	9.7	2	1.0						
	15	723.1	-44.2	04	9.8	2	0.7	10	36	0.6	0 1 X	D	10As
	18	723.3	-48.2	04	9.7	2	0.2						
	21	723.6	-49.6	04	9.8	0	0.3	(3)	(36)	X	X X X	(D)	
	24	723.8	-49.0	04	10.5	1	0.2						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLMCH	BS	PHENOMENA
(1982)													
MAY 6	03	723.3	-49.5	05	10.2	7	-0.5						
	06	723.0	-48.6	05	11.6	7	-0.3						
	09	722.7	-46.3	05	11.5	7	-0.3	2	36	0.6	0 1 0	D	2As
	12	723.0	-45.1	05	12.4	3	0.3						
	15	725.1	-44.4	05	10.8	2	2.1	0	36	0.7	0 0 0	D	
	18	727.1	-44.1	05	12.3	2	2.0						
	21	727.8	-41.5	05	13.5	1	0.7	(2)	(36)	X	X X X	(D)	
	24	728.4	-43.6	05	13.5	2	0.6						
MAY 7	03	727.7	-41.2	04	13.7	8	-0.7						
	06	726.0	-39.2	04	13.2	7	-1.7						
	09	723.3	-33.4	04	12.9	7	-2.7	10	39	0.05	0 2 X	A	10As
	12	720.1	-28.8	03	14.2	7	-3.2						
	15	719.0	-28.3	03	15.2	7	-1.1	10	39	0.05	0 2 X	A	10As
	18	718.0	-29.0	03	15.2	7	-1.0						
	21	718.5	-28.3	04	15.2	3	0.5	(10)	(39)	X	0 2 X	(A)	(10As)
	24	719.8	-28.8	04	15.7	2	1.3						
MAY 8	03	722.5	-28.5	04	13.6	2	2.7						
	06	724.7	-36.2	04	13.6	2	2.2						
	09	727.5	-37.5	04	11.5	2	2.8	4	39	0.1	0 1 0	A	4As
	12	729.3	-39.2	04	13.0	2	1.8						
	15	731.0	-39.4	04	11.5	2	1.7	2	38	0.3	0 3 0	B	2Ac
	18	732.2	-41.4	04	11.5	2	1.2						
	21	733.1	-41.4	04	11.4	2	0.9	(2)	(38)	X	X X X	(B)	
	24	733.6	-41.2	04	12.5	2	0.5						
MAY 9	03	733.5	-41.9	04	11.2	6	-0.1						
	06	733.4	-44.7	05	12.3	7	-0.1						
	09	732.1	-45.1	05	13.3	7	-1.3	2	38	0.3	0 1 0	B	2As
	12	731.6	-43.6	04	12.7	7	-0.5						
	15	732.2	-43.6	04	12.8	1	0.6	0	37	0.2	0 0 0	C	
	18	731.8	-44.3	04	12.2	7	-0.4						
	21	731.4	-44.1	04	12.6	7	-0.4	(0)	(37)	X	X X X	(C)	
	24	731.0	-44.1	04	12.6	7	-0.4						
MAY 10	03	730.8	-43.3	04	13.5	7	-0.2						
	06	729.7	-42.7	04	14.2	7	-1.1						
	09	729.7	-43.4	04	14.2	4	0.0	10	39	0.05	0 1 0	A	10As
	12	729.7	-42.6	04	13.3	5	0.0						
	15	730.8	-40.2	04	14.3	2	1.1	5	39	0.05	0 1 0	A	5As
	18	731.2	-40.2	04	15.3	2	0.4						
	21	731.5	-40.1	04	14.8	2	0.3	(2)	(39)	X	X X X	(A)	
	24	731.8	-39.7	04	12.8	2	0.3						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLCMCH	BS	PHENOMENA
MAY11	03	733.0	-41.2	04	12.3	2	1.2						
	06	733.2	-40.7	04	12.0	1	0.2						
	09	733.2	-40.0	04	12.5	4	0.0	8	39	0.1	0 1 0	A	8As
	12	733.7	-40.2	04	11.7	2	0.5						
	15	734.1	-42.6	04	11.7	2	0.4	6	38	0.3	0 1 0	B	6As
	18	734.7	-42.7	04	11.0	2	0.6						
	21	736.0	-43.6	04	11.3	2	1.3	(2)	(38)	X	X X X	(B)	
24	737.3	-43.8	04	11.3	2	1.3							
MAY12	03	738.8	-44.4	04	11.9	2	1.5						
	06	740.1	-44.8	04	11.2	2	1.3						
	09	741.7	-45.1	04	10.8	2	1.6	2	37	0.5	0 1 0	C	2As
	12	742.3	-45.9	04	11.9	1	0.6						
	15	742.5	-46.1	04	10.5	1	0.2	2	37	0.3	0 1 0	C	2As
	18	742.9	-46.4	04	11.1	2	0.4						
	21	742.8	-45.8	04	12.2	8	-0.1	(2)	(37)	X	X X X	(C)	
24	742.3	-45.3	04	12.5	8	-0.5							
MAY13	03	742.0	-44.5	04	11.4	7	-0.3						
	06	741.7	-44.6	04	12.1	7	-0.3						
	09	741.4	-44.1	04	12.3	7	-0.3	3	37	0.3	0 1 0	(C)	2As
	12	741.9	-43.8	04	12.0	3	0.5						
	15	742.3	-42.4	04	12.1	2	0.4	10	37	0.3	0 1 X	C	10As
	18	743.1	-41.9	04	11.5	3	0.8						
	21	743.8	-41.9	04	11.4	2	0.7	(3)	(37)	X	X X X	(D)	
24	744.5	-41.5	04	11.5	2	0.7							
MAY14	03	744.7	-42.1	04	11.3	0	0.2						
	06	743.7	-42.9	04	12.3	8	-1.0						
	09	742.2	-40.7	04	13.4	7	-1.5	5	39	0.2	0 1 0	A	5As
	12	739.2	-36.7	04	14.3	8	-3.0						
	15	736.0	-31.8	04	16.0	7	-3.2	10	39	0.1	0 1 X	A	10As
	18	732.9	-29.2	04	17.8	7	-3.1						
	21	729.4	-28.4	04	20.6	7	-3.5	(10)	(39)	X	X X X	(A)	
24	727.2	-26.0	04	20.0	6	-2.2							
MAY15	03	726.0	-24.8	03	18.0	6	-1.2						
	06	726.3	-24.4	04	15.6	3	0.3						
	09	726.8	-24.8	03	16.5	2	0.5	8	39	0.1	0 7 0	A	8Ac
	12	728.5	-25.0	04	13.8	3	1.7						
	15	730.0	-26.4	04	14.2	2	1.5	9	39	0.2	0 7 0	A	9Ac
	18	730.4	-26.5	03	13.0	1	0.4						
	21	730.7	-27.6	03	11.9	2	0.3	(5)	(37)	X	X X X	(C)	
24	730.9	-30.3	04	12.2	2	0.2							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	NW	V (km)	CLMCH	BS	PHENOMENA
MAY16	03	730.9	-32.2	04	12.5	4	0.0						
	06	731.0	-34.5	04	13.5	3	0.1						
	09	731.2	-35.2	04	12.5	2	0.2						
	12	732.0	-34.9	04	12.4	3	0.8	10-	38	0.3	0 7 X	B	10-Ac
	15	732.3	-35.3	04	12.0	1	0.3	8	38	0.4	0 7 X	B	8Ac
	18	732.5	-34.6	04	12.2	2	0.2						
	21	732.6	-36.5	04	11.2	2	0.1	(0)	(37)	X	X X X	(C)	
	24	732.6	-39.2	04	12.0	4	0.0						
MAY17	03	732.3	(-40.1)	04	11.3	8	-0.3						
	06	731.0	(-41.0)	04	11.0	8	-1.3						
	09	730.4	-41.9	04	10.7	7	-0.6	4	03	20.0	0 7 0	E	4Ac
	12	729.7	-39.7	04	10.7	7	-0.7						
	15	729.3	-37.5	04	10.8	6	-0.4	10-	03	10.0	0 1 X	E	10-As
	18	729.2	-35.2	04	10.3	6	-0.1						
	21	729.2	-34.5	04	10.0	4	0.0	(8)	(70)	X	X X X	(E*)	(*)
	24	729.7	-35.9	04	10.1	3	0.5						
MAY18	03	729.9	-39.8	04	12.0	1	0.2						
	06	729.9	-45.7	04	12.5	4	0.0						
	09	729.9	-48.9	04	13.2	4	0.0	2	(48)	0.2	0 3 0	(A')	(≡), 2Ac
	12	730.1	-50.7	04	12.9	3	0.2						
	15	730.1	-50.7	04	12.7	4	0.0	3	39	0.2	0 3 0	A	3Ac
	18	730.1	-50.8	04	12.4	4	0.0						
	21	730.5	-51.0	04	12.1	3	0.4	(3)	(38)	X	X X X	(B)	
	24	730.5	-50.7	04	12.6	4	0.0						
MAY19	03	730.4	-50.9	04	12.6	8	-0.1						
	06	729.9	-50.9	04	12.1	8	-0.5						
	09	729.0	-50.8	04	12.3	8	-0.9	1	(48)	0.3	0 1 0	(B')	(≡), 1As
	12	728.2	-50.4	04	12.2	7	-0.8						
	15	727.6	-50.6	04	10.1	7	-0.6	1	(48)	0.4	0 1 0	(C')	(≡), 1As
	18	726.0	-50.2	04	12.5	8	-1.6						
	21	725.0	-50.4	04	11.7	6	-1.0	(1)	(37)	X	X X X	(C)	
	24	724.2	-51.4	04	12.3	7	-0.8						
MAY20	03	723.6	-50.9	04	10.9	7	-0.6						
	06	722.4	-50.3	04	12.7	8	-1.2						
	09	721.7	-49.9	04	13.1	6	-0.7	0+	(48)	(0.2)	0 1 0	(A)	(≡), 0+As
	12	721.2	-50.1	04	13.4	7	-0.5						
	15	720.7	-49.6	04	13.5	7	-0.5	0+	39	0.2	0 1 0	A	0+As
	18	719.7	-50.7	04	13.8	8	-1.0						
	21	719.0	-51.2	04	13.6	7	-0.7	(2)	(39)	X	X X X	(A)	
	24	719.0	-51.6	04	12.9	4	0.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
MAY21	03	719.1	-51.5	04	13.1	3	0.1						
	06	719.5	-51.2	04	12.2	3	0.4						
	09	720.9	-50.4	04	11.6	3	1.4	1	37	0.4	0 1 0	C	1As
	12	722.2	-49.9	04	11.6	2	1.3						
	15	723.7	-46.6	04	11.9	2	1.5	10-	37	0.4	0 7 X	C	5Ac, 10-As
	18	724.6	-44.3	04	12.2	2	0.9						
	21	726.7	-40.4	03	12.1	3	2.1	7	(38)	X	X X X	(B)	
	24	728.7	-38.3	03	12.1	2	2.0						
MAY22	03	730.0	-36.5	03	12.2	2	1.3						
	06	731.7	-34.1	03	12.2	2	1.7						
	09	733.2	-33.4	03	12.5	2	1.5	10	71	0.2	0 2 X	A#	* , 10Ns
	12	734.7	-32.8	03	13.9	2	1.5						
	15	735.7	-32.5	03	14.0	2	1.0	10	71	0.2	0 2 X	A#	* , 10Ns
	18	736.3	-33.5	04	14.3	1	0.6						
	21	(736.8)	(-33.5)	(04)	(14.0)	2	0.5	8	(71)	X	X X X	(A#)	(*)
	24	737.2	-34.0	(04)	14.6	2	0.4						
MAY23	03	737.6	-34.2	04	14.9	2	0.4						
	06	737.2	-35.8	04	15.1	8	-0.4						
	09	736.9	-38.2	04	13.9	7	-0.3	10	39	0.2	0 7 0	A	3Ac, 10As
	12	736.3	-39.6	04	13.5	7	-0.6						
	15	735.7	-40.6	04	13.2	7	-0.6	3	39	0.2	0 3 0	A	3Ac
	18	735.0	-41.9	04	13.5	7	-0.7						
	21	734.3	-42.3	04	13.3	7	-0.7	(3)	(39)	X	X X X	(A#)	(*)
	24	733.7	-42.3	04	13.4	7	-0.6						
MAY24	03	733.5	-41.8	04	13.6	6	-0.2						
	06	733.4	-40.5	04	14.1	7	-0.1						
	09	733.5	-40.8	04	13.9	3	0.1	0+	(39)	X	0 1 0	(A)	0+As
	12	733.7	-41.7	04	13.0	2	0.2						
	15	733.4	-44.9	04	14.0	8	-0.3	0+	39	0.2	0 1 0	A	0+As
	18	732.5	-46.4	04	12.6	7	-0.9						
	21	731.8	-47.9	04	11.6	7	-0.7	0+	(37)	X	X X X	(C)	
	24	730.3	-48.6	04	11.8	8	-1.5						
MAY25	03	728.8	(-49.1)	04	11.0	7	-1.5						
	06	727.0	(-49.5)	05	12.2	7	-1.8						
	09	725.6	(-50.0)	05	12.8	7	-1.4						
	12	724.1	-50.4	05	13.8	7	-1.5	1	(48)	0.2	0 1 0	(A')	(≡), 1As
	15	723.0	-48.5	05	14.8	7	-1.1	0+	39	0.1	0 1 0	A	0+As
	18	720.9	-48.5	05	14.8	8	-2.1						
	21	719.7	-48.3	05	13.8	6	-1.2	(5)	(39)	X	X X X	(A)	
	24	718.5	-47.6	05	13.5	7	-1.2						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLMCH	BS	PHENOMENA
(1982)													
MAY26	03	718.2	-47.1	05	14.9	6	-0.3						
	06	718.0	-46.8	04	13.8	7	-0.2						
	09	717.8	-46.9	04	13.5	7	-0.2	0+	(4B)	X	0 1 0	(A)	(≡), 0+As
	12	718.2	-46.6	04	14.1	3	0.4						
	15	719.0	-46.7	04	13.8	2	0.8	0+	76	0.1	0 1 0	A*	←, 0+As
	18	719.4	-47.1	04	13.6	2	0.4						
	21	720.1	-47.8	04	13.2	2	0.7	(0+)	(4B)	X	X X X	(A')	(≡)
	24	720.6	-48.4	04	13.3	2	0.5						
MAY27	03	721.3	-48.6	04	12.2	2	0.7						
	06	721.5	-48.4	04	12.2	1	0.2						
	09	722.4	-47.9	04	11.5	3	0.9	(5)	(4B)	X	X X X	(C')	(≡)
	12	723.5	-46.1	03	11.0	2	1.1						
	15	724.3	-45.5	03	10.1	2	0.8	10	(4B)	0.2	0 7 X	(C')	(≡), 5Ac, 10As
	18	725.2	-44.1	03	9.6	2	0.9						
	21	726.2	-43.7	03	8.3	2	1.0	(5)	(4B)	X	X X X	(E')	(≡)
	24	727.7	-45.3	03	8.8	3	1.5						
MAY28	03	728.4	-45.1	03	9.8	1	0.7						
	06	728.6	-41.7	03	10.5	1	0.2						
	09	728.8	-37.8	03	11.7	2	0.2	10	71	0.1	0 7 X	C*	*, 10Ns
	12	729.0	-34.6	03	13.5	0	0.2						
	15	728.2	-32.5	03	16.0	8	-0.8	10	73	0.02	0 2 X	A*	*, 10Ns
	18	728.0	-27.8	03	15.6	6	-0.2						
	21	727.1	-25.5	03	18.6	8	-0.9	(10)	(73)	X	X X X	(A*)	(*)
	24	726.1	-24.5	03	17.1	7	-1.0						
MAY29	03	724.7	-23.8	02	21.2	7	-1.4						
	06	724.2	-23.2	02	21.0	6	-0.5						
	09	724.2	-23.1	02	22.0	4	0.0	10	39	0.01	0 2 X	A*	(*), 10Ns
	12	724.7	-22.7	02	20.2	3	0.5						
	15	724.2	-21.7	02	22.2	8	-0.5	10	39	0.01	0 2 X	A*	(*), 10Ns
	18	724.2	-22.0	02	22.0	4	0.0						
	21	726.5	-22.5	02	9.0	3	2.3	10	71	X	X X X	C*	*
	24	726.2	-22.4	03	14.1	8	-0.3						
MAY30	03	725.9	-24.0	03	12.1	7	-0.3						
	06	725.7	-23.9	03	14.4	7	-0.2						
	09	726.1	-24.8	03	15.8	3	0.4						
	12	727.1	-25.1	03	13.0	3	1.0	10	38	0.4	0 7 X	B	10Ac
	15	727.3	-26.8	04	10.8	1	0.2	10-	36	1.0	0 7 X	D	10-Ac
	18	728.0	-28.5	05	14.0	3	0.7						
	21	728.1	-28.8	04	14.1	0	0.1	(4)	(39)	X	X X X	(A)	
	24	728.1	-27.5	04	14.7	4	0.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (*C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLMCH	BS	PHENOMENA
MAY 31	03	728.1	-28.4	04	16.0	4	0.0						
	06	728.8	-31.0	04	14.2	3	0.7						
	09	729.8	-32.7	04	13.6	2	1.0	2	(38)	X	0 3 0	(B)	2Ac
	12	729.6	-34.8	04	12.8	8	-0.2						
	15	729.0	-36.2	05	13.1	7	-0.6	1	38	0.3	0 3 0	B	1Ac
	18	729.0	-37.2	05	13.1	4	0.0						
	21	728.3	-37.1	05	13.6	8	-0.7	(1)	(39)	X	X X X	(A)	
24	727.6	-36.7	05	14.9	7	-0.7							
JUNE 1	03	728.0	-36.5	04	13.0	3	0.4						
	06	727.9	-37.8	05	13.0	8	-0.1						
	09	728.4	-38.5	05	14.5	3	0.5	0+	(39)	X	0 1 0	(A)	0+As
	12	728.7	-38.6	05	14.1	2	0.3						
	15	728.3	-40.3	05	14.9	8	-0.4	0+	39	0.05	0 1 0	A	0+As
	18	727.5	-42.5	05	17.9	7	-0.8						
	21	726.7	-43.7	05	18.5	7	-0.8	(0+)	(39)	X	X X X	(A)	
24	726.7	-42.3	05	17.5	4	0.0							
JUNE 2	03	726.0	-41.9	05	18.7	8	-0.7						
	06	724.9	-42.3	05	19.4	7	-1.1						
	09	725.7	-42.3	05	19.5	3	0.8	(0+)	39	0.02	0 1 0	A	0+As
	12	726.5	-42.4	04	18.6	2	0.8						
	15	728.6	-42.5	04	16.3	3	2.1	0+	39	0.02	0 1 0	A	0+As
	18	730.2	-42.9	04	16.2	2	1.6						
	21	731.6	-43.3	04	16.0	2	1.4	(0+)	(39)	X	X X X	(A)	(5As)
24	731.7	-43.9	04	14.2	1	0.1							
JUNE 3	03	731.4	-43.9	04	14.1	8	-0.3						
	06	730.8	-44.4	04	14.7	7	-0.6						
	09	729.8	-44.5	04	14.2	7	-1.0	0	(39)	X	X X X	(A)	
	12	729.5	-44.6	04	16.2	6	-0.3						
	15	729.7	-44.3	04	16.2	3	0.2	3	39	0.05	0 3 0	A	3Ac
	18	729.8	-43.4	04	16.4	2	0.1						
	21	730.1	-41.1	04	17.0	2	0.3	X	(39)	X	X X X	(A)	
24	730.5	-39.7	04	16.2	2	0.4							
JUNE 4	03	730.5	-39.1	04	16.9	4	0.0						
	06	730.5	-39.0	04	17.1	4	0.0						
	09	731.0	-39.6	04	16.1	3	0.5	2	39	X	0 3 0	A	2Ac
	12	730.3	-40.4	04	16.7	8	-0.7						
	15	729.8	-40.7	04	16.7	7	-0.5	3	39	0.05	0 3 0	A	3Ac
	18	728.9	-39.0	04	16.1	7	-0.9						
	21	728.1	-39.5	04	15.6	7	-0.8	10	(39)	X	0 3 7	(A)	(2Ac), (10Cs)
24	727.7	-37.5	04	15.3	7	-0.4							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
JUNE 5	03	726.9	-38.7	04	14.7	7	-0.8						
	06	726.4	-39.9	04	14.8	7	-0.5						
	09	725.6	-40.8	04	15.6	7	-0.8	0+	39	0.1	0 3 0	A	0+Ac
	12	725.6	-41.9	04	14.8	4	0.0						
	15	725.6	-43.3	04	14.2	4	0.0	0+	39	0.1	0 3 0	A	0+Ac
	18	725.7	-42.9	04	14.0	3	0.1						
	21	725.9	-42.6	04	13.9	2	0.2	3	(39)	X	0 3 0	(A)	3Ac
24	725.9	-43.9	04	14.5	4	0.0							
JUNE 6	03	726.2	-45.4	04	13.1	2	0.3						
	06	726.1	-45.2	04	12.1	8	-0.1						
	09	725.8	-45.7	04	13.0	7	-0.3						
	12	726.1	-45.6	04	12.4	3	0.3	10	(48)	0.1	0 1 0	(B')	(≡), 10As
	15	726.6	-46.4	04	12.8	2	0.5	8	39	0.1	0 3 0	A	8Ac
	18	726.7	-48.5	04	12.9	2	0.1						
	21	727.0	-48.9	04	13.4	2	0.3	2	(39)	X	0 3 0	(A)	2Ac
24	727.7	-48.6	04	12.2	3	0.7							
JUNE 7	03	729.3	-48.7	04	11.7	3	1.6						
	06	730.3	-49.5	04	11.2	2	1.0						
	09	732.3	-49.9	04	11.5	2	2.0	2	(37)	X	0 3 0	(C)	2Ac
	12	733.8	-50.5	04	11.5	2	1.5						
	15	735.3	-51.2	04	11.4	2	1.5	1	36	1.0	0 3 0	D	1Ac
	18	735.0	-51.7	04	13.2	8	-0.3						
	21	734.9	-51.3	04	12.3	7	-0.1						
24	733.8	-48.9	04	14.3	8	-1.1	1	(39)	X	0 3 0	(A)	1Ac	
JUNE 8	03	733.1	-46.9	04	15.1	7	-0.7						
	06	732.1	-45.6	04	14.8	7	-1.0						
	09	731.2	-44.6	04	14.9	7	-0.9	10-	(48)	X	0 3 0	(A)	(≡), 10-Ac
	12	730.8	-42.7	04	13.9	7	-0.4						
	15	730.1	-40.2	04	13.5	7	-0.7	6	39	0.2	0 3 0	A	6Ac
	18	728.8	-36.7	03	12.9	8	-1.3						
	21	728.7	-35.4	03	11.7	5	-0.1	10	(70)	X	0 1 X	(B)	(*), 10As
24	728.7	-34.4	03	9.7	4	0.0							
JUNE 9	03	728.8	-34.0	03	8.9	3	0.1						
	06	729.0	-34.0	03	8.1	2	0.2						
	09	730.0	-33.7	03	7.1	3	1.0	10	71	X	0 1 X	-†	*, 10As
	12	731.0	-33.9	03	6.8	2	1.0						
	15	732.4	-32.9	03	5.9	2	1.4	10	71	2.0	0 1 X	-†	*, 10As
	18	733.1	-32.4	01	4.8	2	0.7						
	21	734.0	-31.8	01	4.7	2	0.9	10	71	X	0-1 X	-†	*, 10As
24	734.8	-31.2	01	2.8	2	0.8							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	WW	V (km)	CLCHCH	BS	PHENOMENA
JUNE10	03	735.0	-31.9	01	2.8	2	0.2						
	06	735.0	-33.5	01	3.2	4	0.0						
	09	734.9	-31.5	01	2.7	8	-0.1	10	71	X	0 1 X	-1	* , 10As
	12	734.6	-38.2	04	5.9	7	-0.3						
	15	734.2	-43.2	04	9.5	7	-0.4	2	36	1.0	0 3 0	D	2Ac
	18	731.9	-43.4	04	12.0	8	-2.3						
	21	728.6	-43.8	04	12.7	8	-3.3	2	(38)	X	0 3 0	(B)	(2Ac)
	24	724.6	-41.7	04	15.0	7	-4.0						
JUNE11	03	721.0	-38.8	04	15.7	7	-3.6						
	06	717.5	-37.1	04	16.2	7	-3.5						
	09	715.6	-35.5	04	16.8	6	-1.9	X	(39)	X	X X X	(A#)	(*)
	12	714.8	-33.8	04	16.9	6	-0.8						
	15	714.3	-33.6	04	15.9	7	-0.5	10	39	0.03	0 2 X	(A#)	(*), 10Ns
	18	714.8	-33.5	03	15.0	3	0.5						
	21	716.6	-34.3	03	13.9	3	1.8	3	39	X	X X X	(A#)	(*)
	24	718.4	-35.6	03	12.9	2	1.8						
JUNE12	03	720.2	-36.4	03	12.2	2	1.8						
	06	722.2	-36.8	03	10.9	2	2.0						
	09	724.2	-38.0	03	10.7	2	2.0	10-	(37)	X	0 1 X	(C)	10-As
	12	726.3	-38.7	03	9.8	2	2.1						
	15	728.3	-39.5	04	9.8	2	2.0	3	01	2.0	0 3 X	D	3Ac
	18	729.2	-40.2	04	9.2	2	0.9						
	21	730.6	-40.9	04	9.2	2	1.4	4	02	X	0 3 X	(E)	4Ac
	24	730.8	-40.7	04	8.3	1	0.2						
JUNE13	03	730.5	-41.3	04	8.3	8	-0.3						
	06	729.1	-42.3	04	8.9	8	-1.4						
	09	727.8	-42.5	04	8.9	7	-1.3	6	03	5.0	0 4 X	E	6Ac
	12	725.8	-42.4	04	9.4	8	-2.0						
	15	723.3	-39.5	04	8.8	7	-2.5	9	03	10.0	0 5 X	E	9Ac
	18	720.9	-39.8	04	9.9	7	-2.4						
	21	718.9	-42.6	04	10.8	7	-2.0	(5)	(36)	X	X X X	(D)	
	24	716.8	-42.4	04	10.7	7	-2.1						
JUNE14	03	715.2	-42.2	03	10.2	7	-1.6						
	06	714.0	-41.6	03	9.8	7	-1.2						
	09	713.0	-40.0	03	9.7	7	-1.0	2	(37)	X	0 3 0	(D)	2Ac
	12	713.6	-35.7	02	6.4	3	0.6						
	15	714.2	-36.4	02	6.3	2	0.6	10	70	5.0	0 1 X	-1	* , 10As
	18	714.9	-39.5	02	5.6	2	0.7						
	21	716.0	-40.5	01	5.3	2	1.1	4	01	X	X X X	-	
	24	717.0	-40.6	02	6.7	2	1.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NW	V (km)	CLCNCH	BS	PHENOMENA
JUNE15	03	717.7	-42.0	03	6.2	2	0.7						
	06	717.9	-43.5	03	6.8	1	0.2						
	09	718.5	-46.4	03	7.8	3	0.6	2	01	X	0 3 0	-	2Ac
	12	719.4	-47.9	03	8.1	2	0.9						
	15	720.1	-48.8	04	8.7	2	0.7	2	48	2.0	0 3 0	E'	≡, 2Ac
	18	720.5	-49.3	04	8.9	2	0.4						
	21	721.5	-49.4	04	9.4	2	1.0	(2)	(36)	X	X X X	(D)	
24	721.4	-48.6	04	9.8	8	-0.1							
JUNE16	03	721.7	-47.9	04	9.9	2	0.3						
	06	721.4	-47.9	04	11.1	7	-0.3						
	09	721.5	-47.0	04	12.0	3	0.1	(1)	(38)	X	0 3 0	(B)	1Ac
	12	722.4	-48.6	04	13.3	3	0.9						
	15	724.2	-44.6	04	13.1	3	1.8	1	39	0.1	0 1 0	A	1As
	18	725.4	-42.9	04	12.6	2	1.2						
	21	726.7	-37.3	03	12.9	2	1.3	X	(39)	X	X X X	(A#)	(≡)
24	726.7	-35.6	03	13.8	4	0.0							
JUNE17	03	726.9	-34.3	03	13.9	2	0.2						
	06	726.3	-33.9	03	13.1	8	-0.6						
	09	725.8	-36.5	04	12.7	7	-0.5	10-	(71)	X	0 7 X	(A#)	(*), 10-Ac
	12	723.8	-35.7	04	13.7	8	-2.0						
	15	722.9	-32.7	04	12.8	7	-0.9	10	71	0.05	0 7 X	A#	*, 10Ns
	18	721.5	-30.5	04	12.5	7	-1.4						
	21	720.2	-29.8	03	15.4	7	-1.3	10	(71)	X	X X X	(A#)	(*)
24	720.2	-30.6	03	12.4	4	0.0							
JUNE18	03	720.0	-30.9	03	11.1	7	-0.2						
	06	719.7	-33.3	03	11.1	7	-0.3						
	09	719.8	-34.9	03	11.3	3	0.1	5	(48)	X	0 3 X	(B')	(≡), 5Ac
	12	719.9	-36.3	04	10.9	2	0.1						
	15	719.5	-36.7	04	10.8	7	-0.4	4	38	0.3	0 3 0	B	4Ac
	18	719.3	-37.1	04	10.0	7	-0.2						
	21	719.3	-38.7	04	10.1	4	0.0	0	(37)	X	X X X	(C)	
24	718.9	-39.7	04	9.9	8	-0.4							
JUNE19	03	718.8	-40.8	04	10.3	7	-0.1						
	06	718.3	-41.2	04	9.5	7	-0.5						
	09	718.0	-41.9	03	9.6	7	-0.3	9	03	10.0	0 1 X	E	9As
	12	717.7	-38.3	03	8.4	7	-0.3						
	15	717.9	-35.8	02	7.0	3	0.2	9	70	10.0	0 7 X	E#	*, 5Ac, 9As
	18	718.1	-34.6	02	5.6	2	0.2						
	21	718.9	-32.3	01	3.0	3	0.8	10	71	X	X X X	-#	*
24	719.5	-31.7	02	2.8	2	0.6							

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	WW	V (km)	CLCCK	BS	PHENOMENA
(1982)													
JUNE20	03	720.0	-34.1	02	4.2	2	0.5						
	06	720.3	-37.0	03	5.0	2	0.3						
	09	721.1	-39.0	03	5.7	2	0.8	3	71	X	0 3 X	-8	* , 3Ac
	12	721.6	-37.4	02	5.7	2	0.5						
	15	722.7	-34.5	02	5.2	3	1.1	10	71	0.3	0 7 X	-8	* , 5Ac, 10As
	18	723.4	-33.7	01	4.8	2	0.7						
	21	724.2	-35.0	02	5.2	2	0.8	6	71	X	X X X	-8	*
	24	724.7	-37.2	03	6.0	2	0.5						
JUNE21	03	725.2	-37.4	04	7.1	2	0.5						
	06	725.2	-39.0	04	8.5	4	0.0						
	09	725.3	-40.2	04	8.5	2	0.1						
	12	725.8	-39.8	04	7.7	3	0.5	4	01	1.0	0 3 X	E	4Ac
	15	725.8	-42.3	04	7.2	4	0.0	4	02	1.0	3 3 X	E	4Ac
	18	726.1	-43.3	04	7.4	2	0.3						
	21	726.6	-45.8	04	7.9	2	0.5	7	03	X	X X X	(E)	
	24	726.7	-47.1	04	7.7	2	0.1						
JUNE22	03	726.4	-47.7	04	8.0	8	-0.3						
	06	726.3	-49.9	04	8.6	7	-0.1						
	09	725.8	-50.6	04	8.3	7	-0.5	0+	00	10.0	0 3 0	E	0+Ac
	12	724.8	-50.4	04	8.5	8	-1.0						
	15	723.5	-46.4	03	6.0	7	-1.3	4	03	10.0	0 3 0	-	3Ac
	18	722.2	-40.7	01	2.9	7	-1.3						
	21	721.3	-42.6	06	2.8	7	-0.9	(4)	76	X	X X X	-8	→
	24	720.4	-43.4	04	5.7	7	-0.9						
JUNE23	03	720.0	-47.8	04	8.7	6	-0.4						
	06	719.4	-51.3	04	9.2	7	-0.6						
	09	718.8	-51.8	04	8.9	7	-0.6	3	76	0.1	0 3 0	C8	→ , 3Ac
	12	718.4	-53.4	04	8.7	7	-0.4						
	15	717.5	-53.8	04	10.0	7	-0.9	3	76	0.1	0 3 0	C8	→ , 3Ac
	18	716.5	-53.9	04	9.8	7	-1.0						
	21	715.6	-53.6	04	8.5	7	-0.9	(3)	(76)	X	X X X	(-8)	(→)
	24	715.4	-52.6	04	7.8	7	-0.2						
JUNE24	03	715.4	-49.3	04	7.6	4	0.0						
	06	715.1	-48.4	04	9.1	7	-0.3						
	09	715.1	-44.4	04	9.5	4	0.0	8	39	0.2	0 1 0	A	8As
	12	715.2	-43.7	04	10.7	2	0.1						
	15	715.4	-42.6	03	11.2	2	0.2	10	73	0.1	0 2 X	B8	* , 10Ns
	18	716.4	-40.7	03	10.2	2	1.0						
	21	717.2	-39.2	03	9.6	2	0.8	10	73	X	X X X	(B8)	*
	24	717.6	-37.1	03	9.7	2	0.4						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
JUNE25	03	718.2	-34.2	02	8.3	2	0.6						
	06	716.6	-32.7	03	9.1	8	-1.6						
	09	716.3	-31.2	02	10.0	7	-0.3	8	73	0.2	0 2 0	A†	* , BNs
	12	714.1	-30.5	02	13.6	7	-2.2						
	15	713.6	-30.8	16	12.0	7	-0.5	10	73	0.2	0 2 X	A†	* , 10Ns
	18	714.0	-35.2	16	13.0	2	0.4						
	21	716.3	-30.9	16	10.8	2	2.3	10	73	X	X X X	A†	*
	24	715.6	-30.1	02	16.8	8	-0.7						
JUNE26	03	714.6	-26.8	02	19.0	7	-1.0						
	06	715.7	-25.3	01	17.4	3	1.1						
	09	717.2	-24.3	01	19.1	2	1.5	X	39	0.05	X X X	A	
	12	719.2	-24.8	01	18.1	2	2.0						
	15	722.9	-27.0	16	14.6	2	3.7	10	39	0.05	0 2 X	(A†)	(*) , 10Ns
	18	725.7	-27.5	16	9.5	2	2.8						
	21	728.7	-27.9	16	6.9	2	3.0	10	73	X	X X X	-†	*
	24	730.4	-30.4	02	6.5	2	1.7						
JUNE27	03	730.8	-33.8	02	8.6	2	0.4						
	06	731.4	-32.5	02	9.9	2	0.6						
	09	732.1	-34.0	03	8.6	2	0.7	8	01	2.0	0 3 0	E	BAc
	12	732.7	-37.0	03	9.1	1	0.6						
	15	732.6	-37.5	04	8.6	8	-0.1	3	36	1.0	0 3 0	D	3Ac
	18	731.6	-37.3	03	11.1	7	-1.0						
	21	730.8	-36.1	03	10.3	7	-0.8	3	(76)	X	X X X	(C†)	→
	24	730.0	-34.5	03	10.7	7	-0.8						
JUNE28	03	728.2	-36.9	04	10.6	7	-1.8						
	06	726.3	-36.0	04	11.6	7	-1.9						
	09	724.7	-36.2	04	12.6	7	-1.6	10	(71)	0.1	0 2 X	(A†)	(*) , 10Ns
	12	723.4	-36.0	04	14.0	7	-1.3						
	15	721.5	-38.2	04	13.4	7	-1.9	3	(71)	0.1	0 1 0	(A†)	(*) , 3As
	18	719.5	-38.5	04	14.0	7	-2.0						
	21	717.4	-38.9	04	14.0	7	-2.1	3	(71)	X	X X X	(A†)	(*)
	24	715.9	-39.6	04	14.0	7	-1.5						
JUNE29	03	714.3	-40.2	04	13.3	7	-1.6						
	06	712.8	-41.8	04	13.5	7	-1.5						
	09	712.0	-42.6	04	12.2	7	-0.8	0+	39	0.1	0 1 0	A	0+As
	12	711.9	-44.4	04	12.2	6	-0.1						
	15	712.4	-47.2	04	13.0	2	0.5	0+	39	0.1	0 1 0	A	0+As
	18	713.2	-48.1	04	13.1	2	0.8						
	21	714.4	-48.6	04	12.7	2	1.2	0+	(39)	X	X X X	(A)	
	24	715.5	-48.4	04	13.1	2	1.1						

DATE	LT	PPP (FST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NW	V (km)	CLCMCH	BS	PHENOMENA
(1982)													
JUNE 30	03	717.0	-48.3	04	12.3	2	1.5						
	06	718.2	-47.8	04	12.0	2	1.2						
	09	719.0	-47.1	04	11.2	2	0.8	2	37	0.2	0 3 0	C	3Ac
	12	720.3	-46.6	04	10.6	2	1.3						
	15	721.0	-47.6	04	10.0	2	0.7	2	37	0.2	0 3 0	C	3Ac
	18	722.0	-47.4	04	10.3	2	1.0						
	21	722.7	-47.5	04	10.3	2	0.7	2	(37)	X	X X X	(C)	
	24	724.1	-47.8	04	10.1	2	1.4						
JULY 1	03	725.4	-48.0	04	9.3	2	1.3						
	06	726.2	-47.0	04	9.2	2	0.8						
	09	727.1	-46.8	04	8.7	2	0.9	2	37	0.3	0 3 0	C	2Ac
	12	727.8	-46.5	04	8.6	2	0.7						
	15	728.0	-45.8	04	8.6	1	0.2	4	37	0.3	0 3 0	C	4Ac
	18	728.0	-44.0	04	8.3	4	0.0						
	21	727.8	-43.8	04	8.9	7	-0.2	2	(37)	X	X X X	(C)	
	24	727.4	-43.1	04	9.2	6	-0.4						
JULY 2	03	727.0	-43.0	04	9.6	7	-0.4						
	06	726.5	-43.2	04	9.3	7	-0.5						
	09	725.6	-45.3	04	9.9	7	-0.9	3	37	0.2	0 3 0	C	3Ac
	12	725.1	-46.4	04	10.4	7	-0.5						
	15	724.4	-47.2	04	10.2	7	-0.7	2	37	0.3	0 3 0	C	2Ac
	18	724.0	-47.5	04	10.3	7	-0.4						
	21	723.9	-48.1	04	10.2	7	-0.1	2	(37)	X	X X X	(C)	
	24	723.7	-47.6	04	9.8	7	-0.2						
JULY 3	03	723.8	-47.9	04	10.3	3	0.1						
	06	723.9	-47.3	04	10.7	2	0.1						
	09	724.1	-45.6	03	11.0	2	0.2	3	(76)	0.2	0 3 0	(C*)	(←), 3Ac
	12	724.6	-45.8	04	10.5	2	0.5						
	15	724.7	-46.0	04	10.3	0	0.1	5	37	0.2	0 3 0	C	5Ac
	18	723.8	-44.8	04	10.5	7	-0.9						
	21	722.6	-48.2	04	11.7	7	-1.2	2	(39)	X	X X X	(A)	
	24	721.3	-48.9	04	12.1	7	-1.3						
JULY 4	03	719.6	-49.9	04	12.6	7	-1.7						
	06	717.6	-52.8	05	12.2	7	-2.0						
	09	714.7	-54.1	04	12.2	7	-2.9	2	37	0.2	0 1 0	C	2As
	12	713.6	-53.1	04	11.8	7	-1.1						
	15	714.5	-51.2	04	11.5	3	0.9	1	37	0.2	0 1 0	C	1As
	18	716.8	-51.2	04	12.6	3	2.3						
	21	719.8	-50.3	04	12.8	2	3.0	(1)	(39)	X	X X X	(A)	
	24	722.6	-49.5	04	12.5	2	2.8						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NW	V (km)	CLCMCH	BS	PHENOMENA

(1982)													

JULY 5	03	724.8	-47.9	03	12.2	2	2.2						
	06	727.0	-45.9	03	13.2	2	2.2						
	09	728.4	-44.1	04	13.3	1	1.4	(1)	(39)	X	X X X	(A)	(1As)
	12	729.6	-38.9	04	13.7	2	1.2						
	15	731.0	-34.3	03	12.5	1	1.4	9	(76)	0.2	0 1 0	A†	(↔), 9As
	18	731.3	-37.6	04	10.8	2	0.3						
	21	730.1	-37.7	04	13.2	8	-1.2	(10)	(70)	X	0 1 X	(A†)	(↔), (10As)
	24	729.1	-39.0	04	15.5	7	-1.0						

JULY 6	03	726.6	-39.4	04	16.0	8	-2.5						
	06	723.9	-40.2	05	15.0	7	-2.7						
	09	721.2	-40.7	05	15.8	7	-2.7	X	(39)	X	X X X	(A)	
	12	718.2	-40.4	04	14.7	7	-3.0						
	15	716.2	-38.7	04	13.9	7	-2.0	5	39	0.1	0 3 0	A	3Ac
	18	714.8	-38.7	04	14.4	7	-1.4						
	21	714.7	-38.7	04	14.9	5	-0.1	(0+)	(39)	X	X X X	(A)	
	24	715.3	-39.5	04	14.3	3	0.6						

JULY 7	03	715.9	-39.6	04	15.0	2	0.6						
	06	717.7	-39.6	04	15.1	3	1.8						
	09	719.7	-36.8	04	14.5	2	2.0	(10)	(39)	X	X X X	(A)	
	12	722.2	-37.1	03	14.3	2	2.5						
	15	723.4	-31.0	04	15.0	1	1.2	10	39	0.05	0 7 X	A	10Ac
	18	724.7	-30.8	04	16.2	2	1.3						
	21	728.0	-30.6	03	13.7	3	3.3	(5)	(39)	X	X X X	(A)	
	24	729.9	-31.2	04	12.6	2	1.9						

JULY 8	03	731.7	-31.1	03	13.1	2	1.8						
	06	733.2	-31.4	03	14.1	2	1.5						
	09	735.0	-29.8	03	15.7	2	1.8	(8)	(76)	X	X X X	(A†)	(↔)
	12	737.0	-30.7	04	12.8	2	2.0						
	15	738.1	-31.8	04	11.5	1	1.1	10-	76	0.2	0 3 X	A†	↔, 10-Ac
	18	739.1	-32.4	04	12.9	2	1.0						
	21	740.1	-33.4	04	11.9	2	1.0	(10)	(76)	X	0 3 X	(A†)	(↔), 10Ac
	24	740.5	-33.5	03	10.8	1	0.4						

JULY 9	03	740.8	-33.9	03	8.0	2	0.3						
	06	741.0	-37.7	04	11.1	2	0.2						
	09	740.8	-39.6	04	9.9	8	-0.2	1	36	X	0 3 0	D	1Ac
	12	739.9	-39.9	04	9.9	7	-0.9						
	15	738.8	-40.8	04	10.0	7	-1.1	5	36	1.0	0 3 0	D	5Ac
	18	738.1	-42.7	04	9.9	7	-0.7						
	21	737.0	-44.6	04	10.0	7	-1.1	(0+)	(36)	X	X X X	(D)	
	24	735.7	-45.0	04	9.5	7	-1.3						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
JULY10	03	734.8	-46.3	04	11.2	7	-0.9						
	06	733.3	-47.6	04	12.0	7	-1.5						
	09	732.1	-49.0	04	12.7	7	-1.2	0+	(39)	X	0 1 0	(A)	0+As
	12	730.7	-49.9	04	13.3	7	-1.4						
	15	729.8	-50.5	05	14.8	7	-0.9	0+	39	0.1	0 1 0	A	0+As
	18	729.0	-49.3	04	14.9	7	-0.8						
	21	728.2	-48.5	04	15.8	7	-0.8	X	39	X	X X X	A	
24	726.9	-47.5	04	15.7	7	-1.3							
JULY11	03	726.0	-47.2	04	16.9	7	-0.9						
	06	725.2	-47.5	04	16.6	7	-0.8						
	09	724.3	-47.5	04	18.3	7	-0.9	X	39	0.02	X X X	A	
	12	724.1	-47.6	04	17.5	6	-0.2						
	15	724.0	-47.6	04	16.8	7	-0.1	(5)	39	0.02	X X X	A	
	18	724.5	-47.7	04	15.3	3	0.5						
	21	725.0	-48.6	04	13.3	2	0.5	(5)	(39)	X	X X X	(A#)	(→)
24	725.1	-49.0	04	12.9	1	0.1							
JULY12	03	725.9	-48.8	03	13.0	3	0.8						
	06	726.8	-49.3	03	12.2	2	0.9						
	09	728.3	-49.5	03	11.6	2	1.5	0+	38	X	X X X	B	(0+As)
	12	729.4	-50.0	04	12.0	2	1.1						
	15	730.3	-49.4	04	11.9	2	0.9	4	76	0.3	0 3 0	B#	→ , 4Ac
	18	731.3	-47.5	04	12.9	2	1.0						
	21	732.5	-46.6	04	12.4	2	1.2	(5)	(76)	X	X X X	(A#)	(→)
24	734.2	-44.3	04	12.6	2	1.7							
JULY13	03	735.8	-42.3	03	13.0	2	1.6						
	06	736.4	-41.3	04	12.3	1	0.6						
	09	737.0	-39.3	04	13.6	2	0.6	10	(71)	0.1	0 2 X	(A#)	(*) , 10Ns
	12	738.1	-37.9	03	13.8	2	1.1						
	15	739.8	-36.6	03	13.6	3	1.7	10	71	0.1	0 2 X	A#	* , 10Ns
	18	741.6	-35.8	03	12.8	2	1.8						
	21	743.0	-35.0	03	11.7	2	1.4	(8)	71	X	X X X	(B#)	*
24	744.2	-35.8	03	11.5	2	1.2							
JULY14	03	745.0	-38.1	04	11.4	2	0.8						
	06	744.7	-42.7	04	12.0	8	-0.3						
	09	743.6	-43.8	04	13.1	8	-1.1	1	39	0.2	0 3 0	A	1Ac
	12	741.8	-43.6	04	14.3	7	-1.8						
	15	739.5	-43.9	04	14.1	7	-2.3	2	39	0.1	0 3 0	A	2Ac
	18	736.9	-44.8	04	14.3	7	-2.6						
	21	733.9	-44.4	04	15.6	7	-3.0	(2)	(39)	X	X X X	(A)	
24	732.6	-42.6	04	15.9	6	-1.3							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
JULY15	03	732.1	-42.5	04	15.0	7	-0.5						
	06	731.2	-41.9	04	14.9	7	-0.9						
	09	730.4	-40.8	04	15.6	7	-0.8	0+	39	0.05	0 1 0	A	0+As
	12	729.9	-39.9	04	16.0	7	-0.5						
	15	729.7	-39.8	04	14.6	7	-0.2	1	39	0.05	0 1 0	A	1As
	18	729.6	-37.7	04	14.9	7	-0.1						
	21	728.6	-36.7	04	14.9	8	-1.0	X	(39)	X	X X X	(A)	
	24	726.9	-37.6	04	13.9	7	-1.7						
JULY16	03	725.5	-36.0	04	15.5	7	-1.4						
	06	725.1	-35.5	03	15.3	5	-0.4						
	09	725.3	-32.9	04	16.0	3	0.2	0+	39	0.05	0 1 0	A	0+As
	12	726.2	-32.7	03	14.8	3	0.9						
	15	728.8	-30.4	04	13.2	3	2.6	10	39	0.1	0 7 X	A	10Ac
	18	730.4	-27.6	04	13.9	2	1.6						
	21	731.0	-27.0	04	15.5	1	0.6	10	(70)	X	X X X	(A#)	(*)
	24	731.4	-25.7	04	14.9	2	0.4						
JULY17	03	731.6	-26.0	04	17.9	1	0.2						
	06	730.9	-27.1	04	18.6	8	-0.7						
	09	729.1	-28.2	04	17.6	7	-1.8	10	39	X	X X X	A	(10Ac)
	12	727.8	-29.2	04	16.0	7	-1.3						
	15	726.7	-30.9	04	16.3	7	-1.1	10	39	0.05	0 7 X	A	10Ac
	18	726.7	-32.0	04	15.9	4	0.0						
	21	727.7	-31.5	04	16.0	3	1.0	(5)	(39)	X	X X X	(A)	
	24	728.2	-32.0	04	15.5	2	0.5						
JULY18	03	730.7	-32.3	04	13.9	3	2.5						
	06	732.4	-30.6	04	12.8	2	1.7						
	09	733.9	-29.8	03	12.0	2	1.5						
	12	736.1	-28.7	03	10.9	2	2.2	10	38	0.3	0 1 X	B	10As
	15	737.4	-27.8	03	13.0	2	1.3	10	(70)	0.2	0 1 X	(A#)	(*), 10As
	18	738.3	-28.7	04	13.6	2	0.9						
	21	738.3	-30.0	04	15.3	4	0.0	(10)	(71)	X	X X X	(A#)	(*)
	24	737.0	-31.1	04	14.7	8	-1.3						
JULY19	03	734.5	-32.3	04	16.2	7	-2.5						
	06	732.7	-32.6	04	17.0	7	-1.8						
	09	729.8	-33.6	04	17.0	7	-2.9	5	39	0.05	0 3 0	A	5Ac
	12	728.0	-35.0	04	16.2	7	-1.8						
	15	726.2	-36.1	04	16.1	7	-1.8	1	39	0.05	0 1 0	A	1As
	18	725.6	-37.0	04	15.1	6	-0.6						
	21	725.2	-38.2	04	15.8	7	-0.4	(1)	(39)	X	X X X	(A)	
	24	724.7	-39.0	04	15.6	7	-0.5						

DATE (1982)	LT	PPF (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	NW	V (km)	CLCH	BS	PHENOMENA
JULY20	03	724.5	-39.8	04	15.2	7	-0.2						
	06	723.5	-40.2	04	15.2	8	-1.0						
	09	722.9	-41.1	04	14.9	7	-0.6	1	39	0.1	0 1 0	A	1As
	12	722.6	-43.3	05	15.3	6	-0.3						
	15	721.8	-43.4	04	17.1	7	-0.8	5	39	0.05	0 5 0	A	5Ac
	18	723.0	-43.7	04	14.3	3	1.2						
	21	723.1	-43.6	04	17.3	1	0.1	(5)	(39)	X	X X X	(A)	
	24	722.5	-43.0	05	17.9	8	-0.6						
JULY21	03	721.2	-43.1	05	20.2	7	-1.3						
	06	720.3	-42.5	05	18.4	7	-0.9						
	09	719.5	-41.6	04	19.7	7	-0.8	X	39	0.01	X X X	A	
	12	720.5	-41.0	04	18.6	3	1.0						
	15	721.4	-41.1	04	18.0	2	0.9	(5)	39	0.02	0 3 0	A	5Ac
	18	722.2	-40.5	04	16.8	2	0.8						
	21	723.2	-39.8	04	15.3	2	1.0	(3)	39	X	X X X	A	
	24	724.5	-39.8	04	13.6	2	1.3						
JULY22	03	724.5	-42.3	04	14.0	4	0.0						
	06	724.5	-42.9	04	14.5	4	0.0						
	09	724.1	-42.6	04	15.3	8	-0.4	(1)	39	0.1	0 1 0	A	1As
	12	723.1	-42.5	04	16.0	7	-1.0						
	15	722.5	-42.3	04	17.5	7	-0.6	5	39	0.05	0 3 0	A	5Ac
	18	723.0	-42.6	04	16.7	3	0.5						
	21	723.7	-42.6	04	15.5	2	0.7	(5)	(39)	X	X X X	(A)	
	24	724.0	-42.3	04	15.4	2	0.3						
JULY23	03	724.2	-42.6	04	15.1	2	0.2						
	06	723.8	-43.2	04	16.0	8	-0.4						
	09	723.7	-44.5	05	16.1	7	-0.1	(1)	39	0.05	0 1 0	A	1As
	12	723.2	-45.0	05	16.6	7	-0.5						
	15	723.1	-45.5	05	16.2	7	-0.1	1	39	0.05	0 1 0	A	1As
	18	722.9	-45.7	04	16.0	7	-0.2						
	21	722.7	-46.3	04	15.0	7	-0.2	(1)	(39)	X	X X X	(A)	
	24	723.5	-45.9	04	14.7	3	0.8						
JULY24	03	723.7	-45.9	04	14.9	2	0.2						
	06	724.1	-46.6	04	14.2	2	0.4						
	09	724.1	-46.7	04	15.8	4	0.0	0+	39	0.1	0 1 0	A	0+As
	12	724.3	-47.6	04	14.0	2	0.2						
	15	723.9	-47.9	04	14.0	7	-0.4	0+	39	0.2	0 1 0	A	0+As
	18	722.4	-47.9	04	15.7	8	-1.5						
	21	721.7	-47.5	04	16.1	7	-0.7	(0+)	(39)	X	X X X	(A)	
	24	720.9	-46.5	04	16.3	7	-0.8						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCNCH	BS	PHENOMENA
JULY25	03	720.2	-45.9	04	16.0	7	-0.7						
	06	719.0	-45.5	04	16.0	7	-1.2						
	09	718.2	-43.6	04	16.3	7	-0.8	10	(70)	0.1	0 2 0	(A#)	(*) , 10As
	12	717.7	-39.9	03	15.8	7	-0.5						
	15	717.3	-36.9	03	15.4	7	-0.4	10	(71)	0.05	0 2 0	(A#)	(*) , 10As
	18	716.5	-34.4	04	16.1	7	-0.8						
	21	716.5	-33.1	04	13.5	4	0.0	X	(71)	X	X X X	(A#)	(*)
24	716.9	-33.2	04	13.1	3	0.4							
JULY26	03	717.8	-30.8	02	13.3	2	0.9						
	06	719.4	-30.5	02	12.8	2	1.6						
	09	720.8	-30.1	02	12.2	2	1.4	10	76	0.3	0 2 0	B#	→ , 10Ns
	12	723.2	-30.0	01	10.0	3	2.4						
	15	725.2	-30.0	03	5.7	2	2.0	10	71	0.8	0 2 0	-#	* , 10Ns
	18	726.1	-31.4	03	6.9	1	0.9						
	21	726.8	-31.8	03	6.9	2	0.7	10	71	X	0 1 0	-#	* , 10As
24	727.0	-33.8	03	7.0	1	0.2							
JULY27	03	726.6	-35.8	03	7.6	8	-0.4						
	06	726.0	-36.7	04	6.8	7	-0.6						
	09	725.2	-36.6	04	6.9	7	-0.8	9	03	20.0	0 3 0	-	9Ac
	12	724.5	-39.6	04	8.1	7	-0.7						
	15	723.0	-42.4	04	8.6	7	-1.5	10-	03	20.0	0 3 X	E	10-Ac
	18	721.3	-41.5	04	8.4	7	-1.7						
	21	719.5	-45.4	04	8.4	7	-1.8	(2)	01	X	X X X	E	
24	718.0	-47.8	04	9.0	7	-1.5							
JULY28	03	716.1	-48.8	04	8.6	7	-1.9						
	06	714.3	-50.7	04	9.2	7	-1.8						
	09	712.8	-51.5	04	9.7	7	-1.5	0+	00	20.0	0 3 0	E	0+Ac
	12	712.0	-52.1	04	10.7	6	-0.8						
	15	711.3	-52.3	04	11.2	7	-0.7	0+	38	0.3	0 3 0	B	0+Ac
	18	710.8	-52.0	04	11.8	7	-0.5						
	21	710.0	-53.6	04	11.6	7	-0.8	(2)	(76)	X	X X X	(B#)	(→)
24	709.6	-54.7	04	12.2	7	-0.4							
JULY29	03	709.3	-55.1	04	11.9	7	-0.3						
	06	709.0	-55.3	04	12.0	7	-0.3						
	09	708.7	-55.3	04	11.7	7	-0.3	1	48	0.3	0 1 0	B	≡ , 1As
	12	708.9	-55.5	04	11.8	3	0.2						
	15	710.0	-55.3	04	10.7	3	1.1	0+	48	0.5	0 1 0	C	≡ , 0+As
	18	711.8	-55.0	04	11.7	2	1.8						
	21	714.3	-54.3	04	11.0	3	2.5	(0+)	(38)	X	X X X	(B)	
24	717.2	-52.7	04	11.4	2	2.9							

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (kb)	CLCMCH	BS	PHENOMENA
(1982)													
JULY30	03	719.4	-50.9	03	11.9	2	2.2						
	06	720.8	-48.1	03	12.9	2	1.4						
	09	722.7	-44.5	03	13.0	2	1.9	10-	76	0.2	0 7 X	A*	↔ , 10-Ac
	12	723.9	-42.1	03	11.8	2	1.2						
	15	725.2	-41.2	03	11.3	2	1.3	10-	76	0.2	0 7 X	B*	↔ , 10-Ac
	18	726.4	-41.2	03	11.0	2	1.2						
	21	727.7	-41.6	03	10.7	2	1.3	(7)	71	X	X X X	C*	*
	24	728.9	-40.7	03	9.6	2	1.2						
JULY31	03	730.0	-40.9	03	9.7	2	1.1						
	06	730.9	-43.7	04	9.9	2	0.9						
	09	732.5	-45.2	04	10.1	2	1.6	2	00	5.0	0 1 0	E	2Ac
	12	733.7	-44.6	04	11.0	2	1.2						
	15	735.7	-44.5	04	11.2	2	2.0	5	38	0.3	0 7 0	B	1Ac, 5As
	18	736.4	-43.6	04	12.8	1	0.7						
	21	736.4	-41.5	04	12.8	4	0.0	(10)	(76)	X	0 1 X	(A*)	(↔), (10As)
	24	736.8	-40.5	04	12.1	2	0.4						
AUG. 1	03	737.2	-38.6	04	13.3	2	0.4						
	06	737.5	-39.0	04	13.0	2	0.3						
	09	737.8	-39.3	03	12.9	2	0.3	10	39	0.1	0 7 X	(A*)	(↔), 10Ac
	12	738.5	-38.8	03	12.9	2	0.7						
	15	738.8	-38.9	04	11.2	2	0.3	10	37	0.2	0 1 X	(C')	(≡), 10As
	18	738.6	-38.7	04	11.1	8	-0.2						
	21	738.3	-38.0	03	10.9	7	-0.3	(5)	76	X	X X X	C*	(↔)
	24	737.2	-36.9	03	10.8	8	-1.1						
AUG. 2	03	735.7	-34.6	03	10.4	7	-1.5						
	06	734.0	-32.9	04	10.8	7	-1.7						
	09	733.0	-34.5	04	11.4	7	-1.0	10-	38	0.3	0 7 X	B*	↔ , 10-Ac
	12	731.4	-35.8	04	11.8	7	-1.6						
	15	729.7	-34.7	04	13.0	7	-1.7	10	39	0.1	0 7 X	A*	↔ , 10Ac
	18	727.4	-33.1	04	14.0	7	-2.3						
	21	724.9	-31.8	04	14.9	7	-2.5	10	39	X	X X X	(A*)	↔
	24	722.6	-30.8	04	14.8	7	-2.3						
AUG. 3	03	720.5	-30.7	04	14.9	7	-2.1						
	06	719.0	-30.7	04	14.1	7	-1.5						
	09	718.5	-31.6	04	13.9	6	-0.5	10	39	0.1	0 7 X	(A*)	(↔), 10Ac
	12	718.4	-30.2	04	13.8	6	-0.1						
	15	718.8	-31.7	03	12.9	3	0.4	10	39	0.2	0 7 X	(A*)	(↔), 4Ac, 10As
	18	719.8	-31.6	03	12.7	3	1.0						
	21	721.2	-31.7	03	12.4	2	1.4	10	76	X	0 7 X	(B*)	↔
	24	723.0	-31.6	03	10.4	2	1.8						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
AUG. 4	03	724.7	-32.2	03	8.0	2	1.7						
	06	725.7	-32.7	03	7.1	2	1.0						
	09	727.0	-35.6	04	6.9	2	1.3	10	76	5.0	0 2 X	-	→ , 10As
	12	726.8	-39.8	04	7.7	8	-0.2						
	15	725.2	-40.9	04	8.9	7	-1.6	10	03	2.0	0 1 X	E'	10As
	18	721.6	-42.5	04	11.8	8	-3.6						
	21	718.5	-38.7	04	13.2	7	-3.1	10	39	X	0 1 7	A	2As, 10Cs, ⊕
	24	716.9	-37.3	03	13.2	6	-1.6						
AUG. 5	03	716.0	-33.7	03	12.9	7	-0.9						
	06	714.5	-30.6	04	12.9	7	-1.5						
	09	714.0	-29.9	04	13.0	6	-0.5	10	39	0.1	0 7 X	A	10As, 3Ac
	12	714.0	-29.8	04	13.9	4	0.0						
	15	714.6	-28.6	03	12.6	3	0.6	10	38	0.3	0 2 X	(B*)	(→), 10Ns
	18	715.5	-28.7	03	13.9	2	0.9						
	21	717.4	-29.2	03	12.6	3	1.9	10	39	X	0 1 X	(A*)	(→), 10As
	24	718.6	-29.4	03	13.9	2	1.2						
AUG. 6	03	720.3	-30.0	04	11.6	2	1.7						
	06	721.3	-30.9	04	10.9	2	1.0						
	09	723.0	-32.8	04	10.7	2	1.7	10	37	0.3	0 7 X	C	10As, 4Ac
	12	723.6	-32.6	04	11.0	1	0.6						
	15	723.8	-32.0	03	11.3	2	0.2	10	38	0.3	0 1 X	B	10As
	18	724.6	-33.0	04	11.2	3	0.8						
	21	725.3	-33.0	03	10.6	2	0.7	10	76	X	0 1 7	(C*)	→ , 3As, 10Cs, ⊕
	24	725.7	-33.8	04	12.1	2	0.4						
AUG. 7	03	726.1	-34.8	04	12.2	2	0.4						
	06	726.1	-36.4	04	13.7	4	0.0						
	09	726.1	-35.5	04	12.9	4	0.0	10	39	0.2	0 3 7	A	4Ac, 10Cs
	12	726.2	-37.6	04	12.3	0	0.1						
	15	726.0	-39.4	04	11.0	7	-0.2	10	38	1.0	0 3 7	B	1Ac, 10Cs, ⊕
	18	725.6	-40.2	04	11.8	7	-0.4						
	21	725.0	-41.1	04	11.2	7	-0.6	1	38	X	0 1 0	B	1As
	24	724.1	-42.5	04	11.1	7	-0.9						
AUG. 8	03	723.7	-44.0	04	9.9	7	-0.4						
	06	722.8	-45.6	04	10.3	7	-0.9						
	09	722.7	-45.0	04	10.5	6	-0.1						
	12	722.5	-44.2	04	11.4	7	-0.2	10	38	0.5	0 7 X	B	10As, 4Ac
	15	721.0	-45.6	04	12.5	7	-1.5	10	38	0.2	0 7 X	A	10As, 3Ac
	18	720.3	-49.1	04	12.6	7	-0.7						
	21	718.3	-50.8	04	12.7	8	-2.0	X	39	X	X X X	(A*)	(→)
	24	716.8	-51.4	04	12.1	7	-1.5						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NW	V (km)	CLCMCH	BS	PHENOMENA
AUG. 9	03	715.5	-50.8	04	11.8	7	-1.3						
	06	714.8	-48.4	04	10.6	6	-0.7						
	09	715.4	-49.2	04	11.1	2	0.6	10	38	0.2	0 3 7	(B')	≡, 2Ac, 10Cs
	12	715.8	-49.1	04	11.1	2	0.4						
	15	715.9	-50.0	04	11.8	0	0.1	10	38	0.3	0 3 7	(B')	1Ac, 10Cs
	18	715.2	-50.4	04	12.0	7	-0.7						
	21	714.3	-50.2	04	12.6	7	-0.9	(10)	(38)	X	X X X	(B')	(1Ac), (10Cs)
	24	714.3	-49.6	04	12.8	4	0.0						
AUG. 10	03	714.1	-48.9	04	12.7	7	-0.2						
	06	713.9	-49.1	04	12.5	7	-0.2						
	09	713.7	-48.9	04	13.0	6	-0.2	10	37	0.3	0 3 7	C	2Ac, 10Cs
	12	713.9	-47.9	04	12.9	1	0.2						
	15	713.7	-47.1	04	13.5	7	-0.2	10	37	0.2	0 3 7	C	6Ac, 10Cs
	18	714.8	-46.8	04	12.5	3	1.1						
	21	715.1	-47.5	04	13.6	2	0.3	(2)	(39)	X	X X X	(A)	
	24	716.8	-47.7	04	13.1	2	1.7						
AUG. 11	03	718.1	-48.4	04	12.1	2	1.3						
	06	719.4	-49.0	04	11.3	2	1.3						
	09	720.9	-49.7	04	11.3	2	1.5	10	37	0.3	0 3 7	C	1Ac, 10Cs
	12	722.2	-49.9	04	11.2	2	1.3						
	15	723.2	-50.7	04	11.0	2	1.0	10	36	1.0	0 0 7	D	10Cs
	18	723.8	-51.2	04	11.7	1	0.6						
	21	723.9	-51.1	04	11.8	3	0.1	(2)	(36)	X	X X X	(D)	
	24	724.1	-51.1	04	11.2	2	0.2						
AUG. 12	03	724.2	-51.2	04	10.9	1	0.1						
	06	724.0	-51.5	04	10.6	7	-0.2						
	09	723.4	-51.9	04	10.3	7	-0.6	10	37	0.5	0 0 7	C	10Cs
	12	723.2	-50.8	04	9.5	7	-0.2						
	15	722.9	-49.6	04	8.0	7	-0.3	10	36	0.9	0 3 7	D	6Ac, 10Cs
	18	722.3	-50.6	04	8.3	7	-0.6						
	21	721.6	-49.4	04	8.1	7	-0.7	(0)	(36)	X	X X X	(D)	(≡)
	24	720.9	-50.1	04	8.9	7	-0.7						
AUG. 13	03	720.2	-51.4	04	8.6	7	-0.7						
	06	719.9	-52.0	04	9.8	7	-0.3						
	09	719.1	-51.0	03	9.6	7	-0.8	10	37	0.5	0 3 7	(C')	(≡), 4Ac, 10Cs
	12	719.1	-49.8	03	8.8	4	0.0						
	15	719.7	-51.1	03	8.8	2	0.6	6	36	0.7	0 3 4	D	4Ac, 3Ci
	18	719.9	-49.6	04	8.7	2	0.2						
	21	720.1	-47.0	04	7.8	2	0.2	(5)	(76)	X	X X X	(D#)	(→)
	24	720.9	-41.8	04	6.6	2	0.8						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	WH	V (km)	CLCMCH	BS	PHENOMENA
(1982)													
AUG.14	03	721.0	-41.3	03	7.3	2	0.1						
	06	721.0	-38.9	03	7.9	4	0.0						
	09	721.2	-38.2	03	8.7	2	0.2	10	71	1.5	0 2 X	C*	* , 10Ns
	12	721.4	-37.3	03	9.1	2	0.2						
	15	722.5	-37.5	03	8.1	2	1.1	10	71	0.7	0 1 4	D*	* , 8Ac, (10Cs)
	18	723.0	-38.1	03	8.5	2	0.5						
	21	723.3	-38.1	04	8.9	2	0.3	X	76	X	X X X	(D*)	→
	24	723.7	-38.7	04	9.2	2	0.4						
AUG.15	03	723.9	-36.5	04	9.6	2	0.2						
	06	723.9	-35.6	04	10.8	4	0.0						
	09	723.9	-36.8	04	10.8	4	0.0	10	37	0.5	0 3 4	C	3Ac, 10Cs
	12	723.7	-36.7	04	10.8	8	-0.2						
	15	723.8	-37.8	04	11.4	2	0.1	10	37	0.6	0 3 4	C	4Ac, 10Cs
	18	723.6	-36.1	04	11.2	7	-0.2						
	21	723.5	-37.6	04	11.5	7	-0.1	(10)	(37)	X	X X X	(C)	
	24	723.9	-38.1	04	12.0	3	0.4						
AUG.16	03	724.4	-39.5	04	11.9	2	0.5						
	06	724.8	-40.0	04	12.0	2	0.4						
	09	725.8	-41.7	04	11.1	2	1.0	3	37	0.5	0 3 0	C	3Ac
	12	727.0	-43.5	04	12.5	2	1.2						
	15	727.7	-44.4	04	12.1	2	0.7	1	37	0.5	0 3 0	C	1Ac
	18	728.2	-45.5	04	11.9	2	0.5						
	21	728.4	-46.4	04	11.9	1	0.2	(3)	38	X	X X X	(B')	(≡)
	24	728.6	-46.7	04	12.5	2	0.2						
AUG.17	03	728.2	-47.3	04	13.1	8	-0.4						
	06	727.0	-47.7	04	13.4	7	-1.2						
	09	725.9	-47.6	04	13.9	7	-1.1	0+	39	0.2	0 1 0	A	0+As
	12	724.7	-47.7	04	13.3	7	-1.2						
	15	723.0	-48.5	05	14.9	7	-1.7	0+	39	0.1	0 1 0	A	0+As
	18	722.0	-49.4	05	14.0	7	-1.0						
	21	719.8	-49.8	05	15.2	7	-2.2	(0+)	39	X	X X X	(A)	
	24	717.7	-50.5	05	16.2	7	-2.1						
AUG.18	03	716.6	-50.2	04	14.0	7	-1.1						
	06	714.7	-50.0	04	15.5	7	-1.9						
	09	714.3	-49.5	04	15.4	6	-0.4	B	39	0.05	0 1 X	A	8As
	12	713.6	-48.8	04	15.8	7	-0.7						
	15	713.3	-48.6	04	16.4	7	-0.3	(5)	39	0.05	0 1 X	A	(5As)
	18	713.3	-49.0	04	15.7	4	0.0						
	21	713.5	-49.2	04	16.2	3	0.2	X	39	X	X X X	A	
	24	714.0	-49.8	04	16.1	2	0.5						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLCCH	BS	PHENOMENA
AUG.19	03	714.8	-50.6	04	14.5	2	0.8						
	06	716.3	-50.9	04	12.3	2	1.5						
	09	717.6	-50.9	04	12.5	2	1.3	1	39	0.2	0 1 0	A	1As
	12	719.2	-49.7	04	11.4	2	1.6						
	15	721.0	-49.5	03	10.0	2	1.8	0+	00	10.0	0 1 0	E	0+As
	18	721.7	-50.6	03	9.9	2	0.7						
	21	722.7	-50.9	03	10.1	2	1.0	(0+)	36	X	X X X	(D)	
	24	723.2	-51.0	03	9.5	2	0.5						
AUG.20	03	723.4	-52.0	04	9.3	1	0.2						
	06	723.4	-53.2	04	9.1	4	0.0						
	09	723.4	-53.3	04	9.4	4	0.0	0	44	0.5	0 0 0	D'	≡
	12	723.2	-51.7	04	9.6	8	-0.2						
	15	723.0	-52.5	04	8.6	7	-0.2	0	41	1.0	0 0 0	E'	≡
	18	722.1	-54.2	04	10.0	8	-0.9						
	21	721.9	-54.5	04	10.4	6	-0.2	X	37	X	X X X	(C#)	≡
	24	721.3	-54.8	04	10.6	7	-0.6						
AUG.21	03	721.2	-55.8	04	10.1	7	-0.1						
	06	720.8	-56.1	04	10.1	7	-0.4						
	09	720.4	-56.1	04	10.5	7	-0.4	0	48	0.5	0 0 0	C'	≡
	12	720.7	-55.9	04	11.2	3	0.3						
	15	720.9	-56.0	04	11.3	2	0.2	0	48	0.5	0 0 0	C'	≡
	18	721.1	-57.6	04	10.8	2	0.2						
	21	721.3	-57.7	04	12.2	2	0.2	0	48	X	0 0 0	B'	(≡)
	24	722.0	-58.0	04	12.6	3	0.7						
AUG.22	03	722.7	-57.0	04	11.9	2	0.7						
	06	723.4	-58.0	04	11.1	2	0.7						
	09	724.4	-58.3	04	12.7	2	1.0						
	12	725.7	-55.5	04	11.7	2	1.3	0	48	0.8	0 0 0	D'	≡
	15	726.9	-55.3	04	10.9	2	1.2	1	48	0.8	0 1 0	D'	≡ , 1As
	18	728.2	-55.7	04	10.8	2	1.3						
	21	729.5	-56.8	04	11.1	2	1.3	X	(36)	X	X X X	(D)	
	24	730.3	-56.6	04	10.4	2	0.8						
AUG.23	03	731.0	-55.9	04	9.6	2	0.7						
	06	731.0	-55.3	04	7.7	4	0.0						
	09	730.6	-54.7	04	8.7	8	-0.4	8	03	10.0	0 5 0	E	BAc
	12	730.4	-54.7	04	7.6	6	-0.2						
	15	730.4	-54.0	05	9.2	4	0.0	0+	00	20.0	0 1 0	E	0+As
	18	731.4	-56.1	05	13.4	3	1.0						
	21	733.2	-53.7	05	12.1	2	1.8	X	(38)	X	X X X	(B)	
	24	735.0	-50.6	05	13.1	2	1.8						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NR	V (km)	CLCMCH	BS	PHENOMENA
AUG.24	03	737.3	-48.6	05	13.6	2	2.3						
	06	739.2	-45.6	04	11.9	2	1.9						
	09	739.2	-42.5	04	11.5	4	0.0	10	76	5.0	0 2 X	E#	→ , 10Ns
	12	738.3	-39.9	04	9.7	8	-0.9						
	15	736.2	-35.9	03	9.8	8	-2.1	10	71	0.8	0 2 X	D#	* , 10Ns
	18	733.1	-32.7	03	10.8	7	-3.1						
	21	728.1	-30.3	03	11.0	7	-5.0	10	73	X	X X X	B#	*
24	724.3	-28.8	03	8.7	7	-3.8							
AUG.25	03	721.3	-30.7	03	7.1	7	-3.0						
	06	719.0	-34.7	04	5.4	7	-2.3						
	09	717.2	-36.9	04	5.2	7	-1.8	8	76	10.0	0 3 X	-#	→ , 8Ac
	12	716.9	-39.7	04	6.4	5	-0.3						
	15	717.9	-42.6	05	7.2	3	1.0	2	01	20.0	0 4 0	E	2Ac
	18	720.0	-44.0	05	10.7	3	2.1						
	21	723.3	-45.2	05	11.8	2	3.3	X	76	X	X X X	(B#)	(→)
24	726.5	-46.4	05	11.9	2	3.2							
AUG.26	03	728.7	-47.9	04	12.7	2	2.2						
	06	729.8	-48.6	04	12.5	1	1.1						
	09	728.4	-47.3	04	12.0	8	-1.4	4	38	0.3	0 3 0	B'	≡ , 4Ac
	12	726.5	-42.2	04	12.6	7	-1.9						
	15	724.7	-40.4	04	13.2	7	-1.8	9	38	0.5	0 7 0	B	5Ac, 9As
	18	722.8	-39.7	04	14.2	7	-1.9						
	21	721.1	-37.2	04	16.5	7	-1.7	X	39	X	X X X	A	
24	720.4	-36.7	04	16.1	6	-0.7							
AUG.27	03	720.2	-36.4	04	17.0	7	-0.2						
	06	719.9	-35.5	04	17.1	7	-0.3						
	09	719.7	-34.1	04	15.0	7	-0.2	10	39	0.1	0 2 X	A	10As
	12	719.5	-35.0	04	13.2	7	-0.2						
	15	719.4	-34.9	04	10.6	7	-0.1	10	38	0.8	0 7 X	B	10Ac
	18	719.0	-40.7	04	10.4	7	-0.4						
	21	718.0	-45.4	04	10.2	7	-1.0	1	37	X	0 3 0	C'	(≡), Ac
24	717.8	-46.6	04	11.5	7	-0.2							
AUG.28	03	717.4	-46.3	04	12.5	7	-0.4						
	06	717.8	-46.7	05	13.2	3	0.4						
	09	719.1	-47.5	05	14.9	2	1.3	2	39	0.2	0 3 0	A'	(≡), 2Ac
	12	720.6	-47.6	05	15.3	2	1.5						
	15	721.6	-47.6	05	15.6	2	1.0	0+	39	0.1	0 1 0	A'	(≡), 0+As
	18	721.8	-48.7	04	15.5	1	0.2						
	21	722.2	-48.6	05	15.2	2	0.4	(0+)	39	X	X X X	A'	(≡)
24	722.0	-48.2	05	14.9	8	-0.2							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	MM	V (km)	CLCMCH	BS	PHENOMENA
AUG.29	03	720.3	-48.2	05	16.4	7	-1.7						
	06	719.0	-46.8	05	17.1	7	-1.3						
	09	717.4	-47.2	05	16.6	7	-1.6	0+	39	0.1	0 1 0	A'	(≡), 0+As
	12	717.0	-46.5	04	16.1	7	-0.4						
	15	715.4	-45.9	05	18.0	7	-1.6	0+	39	0.05	0 1 0	A	0+As
	18	715.4	-47.5	05	16.7	4	0.0						
	21	715.9	-49.5	05	16.6	3	0.5	(0+)	(39)	X	X X X	(A)	
	24	716.0	-50.5	05	16.3	2	0.1						
AUG.30	03	716.7	-51.2	05	15.0	2	0.7						
	06	716.9	-51.8	05	14.7	2	0.2						
	09	717.4	-51.8	04	15.1	2	0.5	0+	39	0.2	0 1 0	A	(≡), 0+As
	12	718.8	-50.6	04	13.4	2	1.4						
	15	719.3	-50.8	04	12.5	2	0.5	0	38	0.6	0 0 0	B'	(≡)
	18	719.6	-52.9	04	11.9	2	0.3						
	21	719.3	-53.2	04	11.8	8	-0.3	(0)	(38)	X	0 0 0	B'	(≡)
	24	718.9	-53.3	04	12.2	7	-0.4						
AUG.31	03	717.8	-52.0	04	12.1	7	-1.1						
	06	716.6	-51.5	04	11.8	7	-1.2						
	09	715.7	-51.3	04	12.1	7	-0.9						
	12	715.1	-48.8	04	12.5	7	-0.6	0+	38	0.6	0 3 0	(B')	(≡), 0+Ac
	15	715.0	-48.6	04	11.4	7	-0.1	1	36	0.8	0 3 0	(D')	(≡), 1Ac
	18	714.7	-50.4	04	11.9	7	-0.3						
	21	714.7	-49.9	04	11.7	4	0.0	(0)	38	X	0 0 0	(B')	(≡)
	24	714.8	-50.3	04	12.1	3	0.1						
SEP. 1	03	714.5	-51.3	04	10.8	8	-0.3						
	06	713.8	-52.4	04	11.9	7	-0.7						
	09	712.9	-51.2	04	11.1	7	-0.9	10	36	0.8	0 1 X	(D')	(≡), 10As
	12	712.1	-46.4	04	9.9	7	-0.8						
	15	711.1	-47.4	04	9.5	7	-1.0	7	36	1.0	0 3 1	(D')	(≡), 5Ac, 3Ci
	18	710.6	-48.9	04	9.4	7	-0.5						
	21	710.0	-51.9	04	10.8	7	-0.6	1	36	X	0 3 0	(D')	(≡), 1Ac
	24	709.8	-54.2	04	11.2	7	-0.2						
SEP. 2	03	709.1	-54.8	04	12.4	7	-0.7						
	06	709.0	-55.6	04	13.9	5	-0.1						
	09	709.4	-55.5	04	14.4	2	0.4	2	39	0.1	0 1 0	A'	(≡), 2As
	12	709.8	-53.6	04	14.8	2	0.4						
	15	711.1	-53.4	04	15.0	2	1.3	2	39	0.1	0 1 0	A'	(≡), 2As
	18	712.3	-55.1	05	13.4	2	1.2						
	21	713.2	-55.8	04	14.2	2	0.9	X	(39)	X	X X X	(A')	(≡)
	24	714.2	-56.8	04	13.1	2	1.0						

DATE	LT	PPP (PST) (mb)	TT (°C)	BD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLCMCH	BS	PHENOMENA	
(1982)														
SEP. 3	03	714.2	-57.4	04	14.0	4	0.0							
	06	714.7	-57.6	04	14.0	2	0.5							
	09	714.6	-57.5	05	13.7	7	-0.1	2	39	0.2	0 1 0	(A')	(≡), 2As	
	12	715.0	-55.8	05	14.5	2	0.4							
	15	715.7	-55.5	05	13.4	2	0.7	3	39	0.2	0 1 0	A	(≡), 3As	
	18	714.0	-56.6	05	13.9	8	-1.7							
	21	713.7	-56.8	05	13.1	7	-0.3	X	(39)	X	X X X	(A)	(≡)	
24	712.9	-57.3	05	13.9	7	-0.8								
SEP. 4	03	712.6	-56.4	05	14.4	7	-0.3							
	06	713.1	-55.2	05	14.2	3	0.5							
	09	714.0	-52.9	05	15.0	2	0.9	(3)	39	0.1	0 1 0	A	(3As)	
	12	715.8	-49.1	05	14.6	2	1.8							
	15	718.6	-47.3	05	13.4	2	2.8	(2)	39	0.1	0 1 0	A	(2As)	
	18	720.8	-49.1	05	11.8	2	2.2							
	21	721.3	-50.3	05	12.4	1	0.5	1	(38)	X	0 1 0	(B)	1As	
24	722.2	-51.5	05	11.6	2	0.9								
SEP. 5	03	722.3	-50.0	05	13.1	2	0.1							
	06	722.9	-49.5	05	11.3	2	0.6							
	09	723.1	-47.7	05	14.5	2	0.2	6	39	0.2	0 1 0	A	6As	
	12	723.6	-45.1	04	13.9	2	0.5							
	15	724.1	-44.6	04	15.8	2	0.5	10-	38	0.6	0 1 7	B	3As, 10-Cs	
	18	724.6	-44.2	04	14.2	2	0.5							
	21	725.1	-41.5	04	14.4	2	0.5	(10)	(39)	X	X X X	(A*)	(→)	
24	724.4	-41.7	04	15.0	8	-0.7								
SEP. 6	03	723.8	-37.7	04	15.9	7	-0.6							
	06	722.5	-35.9	04	16.8	7	-1.3							
	09	721.6	-32.5	04	17.9	7	-0.9	10	39	0.05	0 2 X	A*	* , 10Ns	
	12	720.0	-30.5	04	18.9	7	-1.6							
	15	718.9	-28.7	03	18.2	7	-1.1	10	39	0.05	0 2 X	A*	* , 10Ns	
	18	718.4	-28.1	03	17.9	6	-0.5							
	21	718.2	-27.7	03	16.9	7	-0.2	X	(39)	X	X X X	(A*)	(*)	
24	718.3	-30.7	03	15.5	3	0.1								
SEP. 7	03	719.7	-31.4	02	13.4	3	1.4							
	06	720.5	-34.1	03	11.4	2	0.8							
	09	721.2	-34.5	03	12.6	2	0.7	10-	36	1.0	0 7 X	D	10-Ac	
	12	721.4	-33.0	04	12.0	0	0.2							
	15	720.8	-34.8	04	12.9	8	-0.6	3	38	0.6	0 3 0	B	3Ac	
	18	720.8	-37.7	04	11.3	5	0.0							
	21	721.1	-38.5	04	12.9	2	0.3	X	(38)	X	X X X	(B)	1As	
24	722.4	-39.1	04	13.0	2	1.3								

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
SEP. 8	03	723.1	-39.8	04	11.3	2	0.7						
	06	723.3	-40.5	04	11.6	2	0.2						
	09	724.2	-40.7	04	11.4	2	0.9	1	36	0.6	0 1 0	D	(≡), 1As
	12	724.3	-38.9	04	12.2	2	0.1						
	15	724.4	-39.0	04	10.4	2	0.1	6	36	2.0	0 3 1	D	0+Ac, 6Ci
	18	724.4	-41.6	04	10.3	4	0.0						
	21	723.9	-43.3	04	10.9	7	-0.5	(2)	36	X	X X X	(D')	(≡)
	24	723.9	-43.5	04	11.0	4	0.0						
SEP. 9	03	723.3	-43.3	04	10.2	8	-0.6						
	06	722.7	-43.8	04	12.0	7	-0.6						
	09	722.1	-43.1	04	12.5	7	-0.6	0+	36	0.8	0 1 0	D	0+As
	12	721.7	-39.6	04	11.7	7	-0.4						
	15	720.8	-39.0	04	11.8	7	-0.9	0+	36	2.0	0 1 0	D	0+As
	18	720.7	-42.4	04	11.9	6	-0.1						
	21	720.6	-44.6	04	12.2	7	-0.1	0+	(36)	X	0 1 0	(D')	(≡)
	24	720.5	-45.7	04	13.2	7	-0.1						
SEP. 10	03	720.0	-46.8	04	12.2	7	-0.5						
	06	719.8	-47.8	04	12.6	7	-0.2						
	09	720.0	-47.4	04	12.2	3	0.2	0+	36	0.8	0 1 0	(D')	(≡), 0+As
	12	720.4	-44.6	04	11.6	2	0.4						
	15	720.5	-43.5	04	10.8	2	0.1	0+	36	2.0	0 1 0	(D')	(≡), 0+As
	18	720.5	-46.0	04	11.0	4	0.0						
	21	720.5	-47.4	04	11.1	4	0.0	(0+)	(36)	X	X X X	(D)	
	24	720.1	-46.8	04	12.3	7	-0.4						
SEP. 11	03	719.9	-46.7	04	12.1	7	-0.2						
	06	719.7	-45.4	04	12.8	7	-0.2						
	09	719.6	-43.1	04	13.3	7	-0.1	1	38	0.6	0 1 0	B	1As
	12	719.4	-39.8	04	12.8	7	-0.2						
	15	719.0	-39.6	03	13.2	7	-0.4	5	38	0.8	0 5 0	B	5Ac
	18	718.2	-39.4	04	12.9	7	-0.8						
	21	717.8	-39.2	04	13.6	7	-0.4	X	(38)	X	X X X	(B)	(→)
	24	717.0	-38.5	04	12.3	7	-0.8						
SEP. 12	03	716.5	-38.6	04	12.9	7	-0.5						
	06	716.6	-38.8	04	12.6	3	0.1						
	09	717.0	-38.0	04	11.6	2	0.4	10-	37	0.5	0 3 X	(C#)	(→), 10-Ac
	12	717.8	-37.4	04	11.1	2	0.8						
	15	718.4	-37.0	04	10.1	2	0.6	10	36	1.0	0 7 X	(D#)	(→), 10Ac
	18	719.2	-41.0	04	9.0	2	0.8						
	21	719.7	-43.2	04	9.0	2	0.5	X	(36)	X	X X X	(D#)	(→)
	24	719.7	-45.0	04	9.7	4	0.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	NW	V (km)	CLMCH	BS	PHENOMENA
SEP.13	03	719.5	-43.9	04	10.0	7	-0.2						
	06	719.0	-43.9	04	10.0	7	-0.5						
	09	719.0	-43.1	04	9.8	5	0.0	1	00	20.0	0 3 0	E	1Ac
	12	719.2	-40.3	03	9.0	2	0.2						
	15	718.4	-39.8	03	7.6	7	-0.8	6	01	20.0	0 1 6	E	1As, 6Cs
	18	717.7	-42.9	03	6.9	7	-0.7						
	21	716.7	-43.3	03	8.0	7	-1.0	X	76	X	X X X	E*	→
24	715.9	-42.0	03	8.1	7	-0.8							
SEP.14	03	714.0	-43.9	03	8.4	7	-1.9						
	06	711.8	-45.0	03	8.4	7	-2.2						
	09	709.6	-43.0	04	8.7	7	-2.2	10	76	0.8	0 0 7	E*	→ , 10Cs
	12	707.8	-40.2	04	8.5	7	-1.8						
	15	705.2	-39.1	04	8.1	7	-2.6	10	76	5.0	0 0 7	E*	→ , 10Cs
	18	703.7	-42.0	04	8.8	7	-1.5						
	21	702.1	-44.1	04	8.5	7	-1.6	X	76	X	X X X	(E*)	→
24	701.4	-45.9	04	8.7	6	-0.7							
SEP.15	03	700.6	-48.0	04	8.8	7	-0.8						
	06	700.7	-46.9	03	8.5	3	0.1						
	09	702.6	-44.4	03	8.0	3	1.9	10	48	0.6	0 3 7	E'	≡ , 9Ac, 10Cs
	12	705.2	-40.2	02	6.9	2	2.6						
	15	707.9	-40.7	03	7.6	2	2.7	10	03	5.0	0 1 7	E	1As, 10Cs
	18	710.0	-43.7	03	8.5	2	2.1						
	21	711.7	-47.7	04	9.8	2	1.7	X	(48)	X	X X X	B'	(≡)
24	713.1	-51.5	04	11.2	2	1.4							
SEP.16	03	713.2	-53.6	04	12.6	1	0.1						
	06	713.3	-54.5	04	12.3	2	0.1						
	09	713.9	-54.1	04	14.6	3	0.6	(10)	39	0.05	0 1 X	A	(10As)
	12	715.1	-51.4	04	15.9	2	1.2						
	15	716.7	-49.0	04	16.0	2	1.6	(10)	39	0.05	0 1 X	A	(10As)
	18	718.8	-49.0	04	16.8	2	2.1						
	21	720.9	-47.6	04	15.9	2	2.1	X	39	X	X X X		
24	723.7	-47.8	04	14.7	2	2.8							
SEP.17	03	725.1	-48.4	04	14.5	1	1.4						
	06	726.5	-48.8	04	14.0	2	1.4						
	09	727.3	-48.0	04	14.0	2	0.8	(2)	39	0.1	0 1 X	A	(2As)
	12	728.3	-45.8	04	13.8	2	1.0						
	15	728.6	-45.6	04	12.7	0	0.3	(2)	39	0.2	0 1 X	A	2As
	18	728.4	-48.1	04	13.6	7	-0.2						
	21	728.2	-49.4	04	14.3	7	-0.2	X	(39)	X	X X X	(A)	
24	728.1	-49.6	04	11.6	7	-0.1							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	WH	V (km)	CLCMCH	BS	PHENOMENA
SEP.18	03	727.4	-49.4	04	13.1	8	-0.7						
	06	725.6	-48.5	04	13.9	7	-1.8						
	09	724.2	-45.6	04	14.0	7	-1.4	(1)	39	0.1	0 1 0	A	(1As)
	12	723.4	-40.7	04	14.0	7	-0.8						
	15	723.1	-39.9	04	13.9	7	-0.3	(1)	39	0.2	0 1 0	A	(1As)
	18	723.0	-42.6	04	15.4	7	-0.1						
	21	722.9	-43.4	04	15.2	7	-0.1	X	(39)	X	X X X	(A)	
	24	723.2	-46.3	04	16.0	3	0.3						
SEP.19	03	723.1	-47.5	04	14.0	8	-0.1						
	06	721.9	-48.7	04	15.7	7	-1.2						
	09	720.7	-48.6	04	15.5	7	-1.2	(1)	39	0.1	0 1 0	A	(1As)
	12	719.6	-46.2	04	14.9	7	-1.1						
	15	719.2	-43.5	04	12.9	7	-0.4	1	38	0.5	0 3 0	B	1Ac
	18	718.6	-45.1	04	14.0	7	-0.6						
	21	718.2	-46.6	04	14.0	7	-0.4	X	39	X	X X X	A	
	24	717.8	-46.5	04	13.9	7	-0.4						
SEP.20	03	717.0	-46.5	04	13.3	7	-0.8						
	06	715.5	-46.5	04	13.3	7	-1.5						
	09	714.3	-44.1	04	13.3	7	-1.2	(1)	39	0.2	0 1 0	A	(1As)
	12	714.2	-40.1	04	12.6	6	-0.1						
	15	713.8	-38.8	04	11.9	7	-0.4	1	36	2.0	0 1 0	D	1As
	18	713.3	-41.1	03	13.0	7	-0.5						
	21	713.3	-39.4	03	12.6	4	0.0	X	38	X	X X X	(B#)	(→)
	24	713.3	-38.9	03	12.5	4	0.0						
SEP.21	03	713.1	-36.4	03	13.1	7	-0.2						
	06	712.3	-34.4	03	13.8	7	-0.8						
	09	712.6	-31.0	03	14.1	3	0.3	10	71	0.1	0 2 X	A#	* , 10As
	12	713.1	-28.5	03	10.9	2	0.5						
	15	713.6	-26.5	03	12.8	2	0.5	10	71	0.1	0 1 X	A#	* , 10As
	18	714.3	-26.7	03	11.7	2	0.7						
	21	715.9	-26.8	03	11.0	3	1.6	X	73	X	X X X	B#	*
	24	718.3	-28.1	03	10.9	2	2.4						
SEP.22	03	719.5	(-28.3)	04	11.4	2	1.2						
	06	720.7	(-28.6)	03	12.0	2	1.2						
	09	722.2	-28.8	03	12.3	2	1.5	10	71	0.4	0 3 0	B#	* , 10Ac
	12	723.7	-28.8	03	11.6	2	1.5						
	15	724.3	-28.8	03	10.8	2	0.6	6	36	1.0	0 4 1	D	3Ac, 1As, 2Ci
	18	725.4	-32.4	04	9.4	2	1.1						
	21	726.2	-34.0	04	11.2	2	0.8	X	(38)	X	X X X	B	
	24	727.2	-35.9	04	11.4	2	1.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WH	V (km)	CLCMCH	BS	PHENOMENA
SEP.23	03	727.5	-37.2	04	11.1	1	0.3						
	06	727.4	-39.1	04	12.2	8	-0.1						
	09	726.9	-37.5	04	11.6	7	-0.5	0+	36	0.6	0 1 0	D	1As
	12	726.3	-34.7	04	12.6	7	-0.6						
	15	725.3	-33.4	04	11.1	7	-1.0	8	36	2.0	0 5 0	D	8Ac
	18	724.4	-37.8	04	10.3	7	-0.9						
	21	723.2	-42.2	04	11.4	7	-1.2	X	(36)	X	X X X	(D)	
	24	721.5	-43.4	04	12.9	7	-1.7						
SEP.24	03	720.7	-44.2	04	12.0	7	-0.8						
	06	719.2	-45.6	04	11.8	7	-1.5						
	09	717.8	-43.9	04	10.6	7	-1.4	0+	36	2.0	0 1 0	D	0+As
	12	716.7	-41.9	04	10.2	7	-1.1						
	15	715.2	-40.0	04	10.8	7	-1.5	0+	36	2.0	0 1 0	D	0+As
	18	713.3	-43.1	04	11.9	7	-1.9						
	21	712.1	-47.1	04	14.2	7	-1.2	(0+)	(39)	X	0 1 0	(A)	
	24	710.9	-50.4	04	15.5	7	-1.2						
SEP.25	03	709.9	-51.8	04	14.7	7	-1.0						
	06	709.3	-51.2	04	14.2	7	-0.6						
	09	709.4	-47.4	04	14.6	3	0.1	(1)	39	0.1	0 1 0	A	(1As)
	12	710.7	-44.1	04	11.3	3	1.3						
	15	712.0	-42.4	03	10.0	2	1.3	10	76	0.3	0 1 X	B†	→ , 10As
	18	713.4	-43.0	03	8.6	2	1.4						
	21	715.4	-43.7	03	8.7	2	2.0	X	76	X	X X X	(E†)	→
	24	717.1	-43.0	03	7.9	2	1.7						
SEP.26	03	718.2	-43.9	04	8.3	2	1.1						
	06	718.9	-44.4	04	9.4	2	0.7						
	09	719.6	-41.5	03	9.4	2	0.7	10	76	0.5	0 1 X	D†	→ , 10As
	12	720.2	-37.5	04	7.6	2	0.6						
	15	720.7	-38.6	04	7.9	2	0.5	7	76	10.0	0 1 6	E†	→ , 2As, 7Cs,
	18	721.5	-43.0	04	8.9	2	0.8						
	21	722.1	-47.3	04	10.2	2	0.6	(1)	76	X	X X X	(D†)	→
	24	722.2	-48.7	04	11.3	1	0.1						
SEP.27	03	722.2	-50.1	04	10.9	0	0.0						
	06	721.5	-51.4	04	11.2	7	-0.7						
	09	720.4	-48.6	04	12.3	7	-1.1	(1)	39	0.2	0 1 0	(A')	(≡), 1As
	12	719.4	-44.9	04	12.4	7	-1.0						
	15	718.5	-44.6	04	13.2	7	-0.9	(3)	39	0.2	0 1 X	(A')	(≡), 3As
	18	717.2	-46.5	04	14.1	7	-1.3						
	21	715.4	-47.3	04	15.4	7	-1.8	X	39	X	X X X	(A†)	(→)
	24	713.4	-44.3	04	15.6	7	-2.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	NW	V (km)	CLCMCH	BS	PHENOMENA
SEP.28	03	711.7	-41.0	04	14.1	7	-1.7						
	06	709.8	-37.4	03	14.1	7	-1.9						
	09	708.5	-33.9	03	12.8	7	-1.3	10	39	0.1	0 2 X	(A#)	(↔), 10Ns
	12	708.1	-30.3	03	12.1	6	-0.4						
	15	709.7	-28.4	03	8.8	3	1.6	10	76	2.0	0 1 X	D#	↔, 10As
	18	711.1	-29.7	03	7.4	2	1.4						
	21	712.5	-30.7	03	8.7	2	1.4	10	71	X	0 1 X	(D#)	* , 10As
	24	713.8	-31.8	03	9.3	2	1.3						
SEP.29	03	715.0	-32.0	03	10.3	2	1.2						
	06	716.6	-33.1	03	10.0	2	1.6						
	09	718.3	-33.5	03	9.3	2	1.7	10	02	5.0	0 1 7	E	3Ac, 10Cs, ⊕
	12	719.8	-33.4	03	9.8	2	1.5						
	15	720.8	-34.4	04	8.6	2	1.0	6	01	20.0	0 3 2	E	2Ac, 5Ci
	18	721.2	-38.5	04	8.9	1	0.4						
	21	720.8	-41.5	03	10.7	8	-0.4	X	(36)	X	0 1 6	D	1As, XCs
	24	719.5	-43.3	04	12.6	7	-1.3						
SEP.30	03	717.5	-43.8	04	13.0	7	-2.0						
	06	714.9	-44.3	04	14.0	7	-2.6						
	09	712.6	-41.3	04	14.4	7	-2.3	(3)	39	0.1	0 1 X	A	(3As)
	12	710.5	-38.2	04	14.2	7	-2.1						
	15	708.4	-35.9	04	16.0	7	-2.1	(5)	39	0.05	0 1 X	A	(5As)
	18	707.5	-35.4	04	15.8	6	-0.9						
	21	707.2	-35.0	04	17.0	7	-0.3	X	39	X	X X X	A	
	24	707.6	-33.6	04	16.8	3	0.4						
OCT. 1	03	708.4	-33.7	04	17.7	2	0.8						
	06	709.0	-33.5	04	17.5	2	0.6						
	09	710.0	-32.4	04	17.0	2	1.0	10	39	0.02	0 1 X	A	10As
	12	710.7	-32.6	04	16.3	2	0.7						
	15	710.7	-32.0	04	14.5	0	0.0	10	39	0.1	0 1 X	A	10As
	18	710.4	-35.1	04	13.2	7	-0.3						
	21	709.4	-38.5	04	13.9	7	-1.0	(1)	(39)	X	0 3 0	(A)	(1Ac)
	24	708.2	-40.3	04	13.6	7	-1.2						
OCT. 2	03	706.7	-41.4	04	15.0	7	-1.5						
	06	705.6	-41.8	04	15.3	7	-1.1						
	09	704.6	-39.9	04	16.0	7	-1.0	(2)	39	0.05	0 1 X	A	(2As)
	12	704.2	-37.4	04	16.8	6	-0.4						
	15	704.0	-36.2	04	15.1	7	-0.2	(2)	39	0.05	0 1 X	A	(2As)
	18	705.0	-37.0	03	13.2	3	1.0						
	21	707.4	-38.5	03	12.5	2	2.4	0+	(38)	X	0 1 X	(B)	0+As
	24	709.3	-39.4	04	12.7	2	1.9						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WH	V (km)	CLMCH	BS	PHENOMENA	
OCT. 3	03	710.7	-39.9	04	11.9	2	1.4							
	06	712.3	-40.4	04	11.9	2	1.6							
	09	713.9	-37.4	03	12.1	2	1.6	2	38	0.5	0 3 0	B	2As, 0+Ac	
	12	715.4	-34.5	03	11.2	2	1.5							
	15	718.0	-32.9	03	10.8	2	2.6	5	36	2.0	0 3 6	D	0+Ac, 5Cs	
	18	719.8	-35.5	03	10.6	2	1.8							
	21	721.6	-37.9	03	11.1	2	1.8	1	(36)	X	0 3 0	(D)	1Ac	
24	723.3	-40.3	04	11.9	2	1.7								
OCT. 4	03	724.2	-41.2	04	12.0	2	0.9							
	06	725.3	-41.8	04	12.4	2	1.1							
	09	726.0	-41.6	04	12.4	2	0.7	0+	36	0.6	0 1 0	D	0+As	
	12	726.3	-34.5	04	12.1	2	0.3							
	15	726.9	-34.1	04	10.4	2	0.6	0+	00	5.0	0 1 0	E	0+As	
	18	727.0	-37.4	04	10.9	1	0.1							
	21	726.7	-40.4	04	12.5	8	-0.3	0+	(36)	X	0 1 0	(D)	0+As	
24	727.1	-42.0	04	11.3	2	0.4								
OCT. 5	03	726.9	-43.6	04	10.2	8	-0.2							
	06	726.5	-44.8	04	10.2	7	-0.4							
	09	725.9	-41.7	04	9.1	7	-0.6	0+	00	5.0	0 1 0	E	0+As	
	12	725.4	-37.7	04	9.7	7	-0.5							
	15	725.3	-36.4	04	9.5	6	-0.1	0+	00	20.0	0 1 0	E	0+As	
	18	725.2	-39.4	04	10.7	7	-0.1							
	21	725.2	-42.8	04	10.4	4	0.0	0+	00	X	0 1 0	(E)	0+As	
24	725.8	-43.4	04	12.9	3	0.6								
OCT. 6	03	726.4	-43.9	04	13.2	2	0.6							
	06	726.9	-43.7	04	13.1	2	0.5							
	09	728.5	-40.4	04	13.1	3	1.6	1	(48)	0.4	0 1 0	(B')	(≡), 1As	
	12	730.6	-36.6	04	11.8	2	2.1							
	15	733.0	-35.3	04	9.8	2	2.4	8	(48)	0.6	0 4 0	(B')	(≡), BAc	
	18	734.3	-38.5	04	8.0	1	1.3							
	21	735.9	-42.0	04	9.6	2	1.6	0	00	X	0 0 0	(E)		
24	736.8	-44.2	04	11.1	2	0.9								
OCT. 7	03	737.0	-44.7	04	9.4	1	0.2							
	06	736.8	-45.0	04	11.1	8	-0.2							
	09	736.7	-41.5	04	11.9	7	-0.1	0+	(48)	1.0	0 1 0	(D)	(≡), 0+As	
	12	736.7	-37.9	04	11.9	4	0.0							
	15	736.4	-37.0	04	10.6	7	-0.3	0+	00	5.0	0 1 0	E	0+As	
	18	735.9	-40.3	04	12.6	7	-0.5							
	21	735.5	-43.5	04	13.5	7	-0.4	0+	(38)	X	0 1 0	(B)	0+As	
24	735.3	-44.6	04	13.7	7	-0.2								

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLMCH	BS	PHENOMENA
OCT. 8	03	735.1	-44.4	04	13.9	7	-0.2						
	06	734.7	-44.3	04	13.5	7	-0.4						
	09	734.2	-40.5	04	15.1	7	-0.5	(0+)	39	0.2	0 1 0	A	(0+As)
	12	734.2	-38.3	04	16.0	4	0.0						
	15	734.1	-36.0	04	15.1	7	-0.1	(0+)	39	0.1	0 1 0	A	(0+As)
	18	734.2	-38.3	04	15.5	3	0.1						
	21	734.5	-40.5	04	16.8	2	0.3	(2)	(39)	X	0 1 0	(A)	(2As)
24	735.7	-40.8	04	16.2	3	1.2							
OCT. 9	03	735.9	-40.7	04	15.3	2	0.2						
	06	736.0	-40.4	04	15.8	2	0.1						
	09	735.7	-36.5	04	15.5	8	-0.3	(0+)	39	0.1	0 1 0	A	(0+As)
	12	735.5	-34.3	04	14.8	7	-0.2						
	15	734.2	-35.1	05	16.0	8	-1.3	(0+)	39	0.1	0 1 0	A	(0+As)
	18	733.0	-36.5	05	15.0	7	-1.2						
	21	732.0	-39.0	05	15.3	7	-1.0	(0+)	(39)	0.1	0 1 0	(A)	(0+As)
24	730.8	-39.1	05	18.0	7	-1.2							
OCT. 10	03	730.6	-40.4	05	16.4	7	-0.2						
	06	729.6	-40.1	05	17.7	7	-1.0						
	09	728.9	-38.4	05	17.0	7	-0.7	(0+)	39	0.02	0 1 X	A	(0+As)
	12	728.4	-35.2	05	17.3	7	-0.5						
	15	728.0	-34.5	05	17.5	7	-0.4	(0+)	39	0.05	0 1 X	A	(0+As)
	18	728.4	-36.3	05	13.9	3	0.4						
	21	727.8	-38.9	05	13.6	8	-0.6	(0+)	(39)	X	0 1 X	(A)	(0+As)
24	727.5	-40.5	05	13.1	7	-0.3							
OCT. 11	03	726.6	-42.3	05	14.5	7	-0.9						
	06	726.0	-43.2	05	14.7	7	-0.6						
	09	725.5	-40.8	05	14.8	7	-0.5	(0+)	39	0.1	0 1 0	A	0+As
	12	725.5	-37.4	05	13.5	4	0.0						
	15	725.5	-35.5	05	11.3	4	0.0	0+	36	2.0	0 1 0	D	0+As
	18	725.4	-37.5	05	11.2	7	-0.1						
	21	724.9	-40.9	05	12.5	7	-0.5	0+	(38)	X	0 1 0	(B)	0+As
24	724.3	-42.8	05	13.1	7	-0.6							
OCT. 12	03	724.0	-44.2	05	13.0	7	-0.3						
	06	723.6	-44.4	05	14.0	7	-0.4						
	09	723.5	-41.5	04	13.6	7	-0.1	0+	38	0.4	0 1 0	B	0+As
	12	723.7	-37.1	04	12.0	3	0.2						
	15	723.7	-36.8	04	11.9	4	0.0	0+	00	5.0	0 1 0	E	0+As
	18	723.7	-39.0	04	13.0	4	0.0						
	21	724.1	-42.6	04	12.0	3	0.4	0+	00	X	0 1 0	(E)	
	24	723.8	-44.5	04	12.6	8	-0.3						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLCMCH	BS	PHENOMENA
OCT. 13	03	723.4	-45.9	04	13.3	7	-0.4						
	06	723.0	-45.7	04	12.7	7	-0.4						
	09	722.9	-41.1	04	12.5	6	-0.1	0+	36	2.0	0 1 0	D	0+As
	12	723.7	-37.0	04	12.0	3	0.8						
	15	724.5	-35.3	04	11.9	2	0.8	0	00	5.0	0 0 0	E	
	18	725.1	-37.2	04	13.1	2	0.6						
	21	726.4	-40.4	04	12.9	2	1.3	0+	(36)	X	0 1 0	(D)	0+As
24	727.3	-41.4	04	13.8	2	0.9							
OCT. 14	03	728.0	-41.2	04	13.8	2	0.7						
	06	727.8	-39.8	05	14.1	8	-0.2						
	09	727.2	-35.6	05	14.8	7	-0.6	0+	39	0.2	0 1 0	A	0+As
	12	727.2	-31.7	05	15.2	4	0.0						
	15	728.3	-28.9	04	14.6	3	1.1	8	36	1.0	0 4 4	D	BAC, 5Ci
	18	729.0	-30.7	04	13.7	2	0.7						
	21	729.6	-32.7	04	14.0	2	0.6	7	(38)	X	0 4 X	(B)	7Ac
24	730.7	-34.9	04	13.9	2	1.1							
OCT. 15	03	730.8	-35.8	04	15.3	1	0.1						
	06	733.2	-35.4	04	10.2	2	2.4						
	09	733.6	-33.6	04	13.9	2	0.4	3	38	0.5	0 3 1	B	3Ac, 1Ci
	12	734.2	-30.4	04	13.1	2	0.6						
	15	735.5	-29.4	04	12.8	2	1.3	0+	36	2.0	0 3 0	D	0+Ac
	18	736.3	-32.0	04	11.9	2	0.8						
	21	737.9	-36.4	04	13.3	2	1.6	0+	(38)	X	0 5 0	(B)	0+Ac
24	738.9	-38.6	04	13.8	2	1.0							
OCT. 16	03	739.1	-40.0	04	13.6	1	0.2						
	06	739.3	-39.9	04	14.2	2	0.2						
	09	739.6	-36.5	04	14.9	2	0.3	3	38	0.4	0 5 0	B	3Ac
	12	740.0	-32.5	04	15.4	2	0.4						
	15	740.6	-31.6	04	14.7	2	0.6	2	36	0.8	0 4 0	D	2Ac
	18	740.8	-33.7	04	14.8	2	0.2						
	21	740.8	-36.9	04	14.3	0	0.0	0+	(38)	X	0 3 0	(B)	0+Ac
24	739.4	-37.5	04	14.3	7	-1.4							
OCT. 17	03	738.3	-40.5	05	16.5	7	-1.1						
	06	736.5	-39.2	05	15.6	7	-1.8						
	09	734.9	-34.4	04	16.2	7	-1.6	0+	38	0.4	0 1 0	B	0+As
	12	734.4	-30.8	04	13.0	7	-0.5						
	15	733.8	-29.9	04	10.0	7	-0.6	0	00	20.0	0 0 0	E	
	18	732.6	-32.5	04	11.2	7	-1.2						
	21	731.7	-37.7	04	9.5	7	-0.9	0+	00	20.0	0 3 0	E	0+Ac
24	730.6	-41.5	04	10.4	7	-1.1							

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	MM	V (km)	CLCMCH	BS	PHENOMENA
(1982)													
OCT.18	03	729.2	-44.4	04	11.6	7	-1.4						
	06	727.8	-44.0	04	11.8	7	-1.4						
	09	726.4	-39.0	04	11.4	7	-1.4	0+	00	20.0	0 3 0	E	0+Ac
	12	725.3	-33.5	04	10.5	7	-1.1						
	15	724.0	-31.8	04	10.1	7	-1.3	0	00	20.0	0 0 0	E	
	18	723.1	-34.5	04	10.1	7	-0.9						
	21	722.7	-38.9	04	11.1	6	-0.4	0	00	20.0	0 0 0	E	
	24	722.2	-41.9	04	12.2	7	-0.5						
OCT.19	03	722.2	-43.6	04	12.2	4	0.0						
	06	722.2	-42.2	04	12.3	4	0.0						
	09	723.1	-37.1	04	11.5	3	0.9	0+	00	20.0	0 3 0	E	0+Ac
	12	724.3	-32.6	04	10.5	2	1.2						
	15	725.6	-30.9	04	9.0	2	1.3	0+	00	20.0	0 3 0	E	0+Ac
	18	727.3	-34.0	04	8.6	2	1.7						
	21	729.4	-39.4	04	9.4	2	2.1	1	00	20.0	0 3 1	E	0+Ac, 1Ci
	24	731.4	-41.9	04	10.3	2	2.0						
OCT.20	03	733.0	-42.4	04	10.2	2	1.6						
	06	734.6	-41.0	04	10.4	2	1.6						
	09	736.4	-35.3	03	9.6	2	1.8	4	03	20.0	0 3 6	E	0+Ac, 4Cs, ⊕
	12	738.0	-30.0	03	7.4	2	1.6						
	15	739.5	-27.7	02	6.5	2	1.5	10	03	20.0	0 3 7	-	1Ac, 10Cs, ⊕
	18	740.4	-30.0	03	5.8	2	0.9						
	21	741.1	-32.4	03	7.4	2	0.7	10	70	20.0	0 3 7	-†	* , 5Ac, 10Cs
	24	741.5	-33.5	03	7.5	1	0.4						
OCT.21	03	741.3	-31.2	03	7.5	8	-0.2						
	06	740.6	-29.8	03	7.5	7	-0.7						
	09	739.6	-26.8	03	8.0	7	-1.0	10	76	10.0	0 1 X	-	→ , 10As
	12	738.7	-22.6	03	8.3	7	-0.9						
	15	737.1	-22.0	02	8.4	7	-1.6	10	03	20.0	0 7 X	E	10Ac
	18	735.4	-24.9	03	8.5	7	-1.7						
	21	734.4	-27.0	03	8.5	7	-1.0	10	03	20.0	0 7 X	E	10Ac
	24	732.9	-26.5	02	8.6	7	-1.5						
OCT.22	03	731.6	-27.6	03	8.4	7	-1.3						
	06	729.8	-27.6	03	8.8	7	-1.8						
	09	728.7	-25.4	02	9.0	7	-1.1	8	03	10.0	0 4 X	E	8Ac
	12	727.8	-23.8	01	9.0	7	-0.9						
	15	727.4	-23.4	01	7.5	7	-0.4	10	70	10.0	0 4 7	E†	* , 5Ac, 10Cs, ⊕
	18	727.0	-25.0	03	5.2	7	-0.4						
	21	726.1	-26.9	03	6.8	7	-0.9	10	73	X	0 1 X	E†	*
	24	725.7	-31.1	04	7.0	7	-0.4						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WH	V (km)	CLMCH	BS	PHENOMENA
OCT.23	03	725.4	-27.4	02	7.0	7	-0.3						
	06	725.1	-27.0	03	7.2	7	-0.3						
	09	725.1	-28.1	03	8.5	4	0.0	10	71	0.6	0 2 X	E†	* , 10Ns
	12	725.1	-25.1	03	8.5	4	0.0						
	15	724.8	-24.5	04	8.8	7	-0.3	10	71	10.0	0 † X	E†	* , 10As
	18	725.2	-25.5	03	9.8	3	0.4						
	21	725.6	-28.9	03	9.9	2	0.4	10	01	5.0	0 3 7	E	4Ac, 10Cs
	24	726.1	-28.1	03	9.9	2	0.5						
OCT.24	03	726.8	-30.2	03	10.5	2	0.7						
	06	727.5	-30.4	03	11.0	2	0.7						
	09	728.3	-28.7	03	10.3	2	0.8	5	36	0.6	0 3 1	D	1Ac, 5Ci
	12	729.3	-25.0	03	11.4	2	1.0						
	15	729.6	-24.6	03	11.7	1	0.3	10	38	0.5	0 4 7	B	4Ac, 2Ci, 10Cs
	18	729.9	-25.3	03	11.6	2	0.3						
	21	730.1	-28.6	03	13.2	2	0.2	10	38	0.4	0 4 7	B	3Ac, 10Cs
	24	729.8	-29.7	03	14.0	8	-0.3						
OCT.25	03	729.2	-30.5	04	13.4	7	-0.6						
	06	728.3	-31.1	04	13.4	7	-0.9						
	09	727.9	-27.6	04	12.0	7	-0.4	10	38	0.4	0 7 7	B	7Ac, 10Cs, ⊕
	12	727.9	-24.2	04	12.4	4	0.0						
	15	727.8	-23.8	04	12.1	7	-0.1	10	36	0.8	0 3 7	D	3Ac, 10Cs, ⊕
	18	728.0	-24.9	04	11.0	3	0.2						
	21	728.6	-26.6	04	11.4	2	0.6	10	02	10.0	0 1 X	E	10As
	24	728.9	-28.4	04	11.0	2	0.3						
OCT.26	03	729.0	-29.1	04	11.0	2	0.1						
	06	729.1	-30.1	04	10.4	2	0.1						
	09	729.8	-26.7	03	10.1	2	0.7	10	02	10.0	0 1 0	E	10As
	12	730.3	-23.6	03	8.1	2	0.5						
	15	731.2	-21.5	02	5.9	2	0.9	10	70	10.0	0 1 X	-†	* , 10As
	18	732.0	(-22.7)	03	4.1	2	0.8						
	21	732.6	-24.0	03	3.5	2	0.6	10	70	10.0	0 1 X	-†	* , 10As
	24	732.7	-24.6	03	2.5	2	0.1						
OCT.27	03	732.4	-29.0	04	4.5	8	-0.3						
	06	731.7	-33.6	04	5.9	7	-0.7						
	09	730.8	-31.8	04	9.3	7	-0.9	0+	(4B)	0.3	0 1 0	(B')	(≡), 0+As
	12	730.1	-28.7	04	12.5	7	-0.7						
	15	730.0	-28.3	05	15.3	6	-0.1	0+	39	0.1	0 1 0	A	0+As
	18	729.7	-30.0	05	14.4	7	-0.3						
	21	729.1	-33.6	05	14.9	7	-0.6	0+	39	0.1	0 1 0	A	0+As
	24	727.9	-37.1	05	16.7	8	-1.2						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLCH	CH	BS	PHENOMENA
(1982)														
OCT.28	03	725.8	-37.3	05	18.1	7	-2.1							
	06	724.0	-37.1	05	19.1	7	-1.8							
	09	723.2	-34.7	05	19.1	6	-0.8	X	39	0.02	X X X	A		
	12	723.2	-31.9	05	19.4	4	0.0							
	15	723.5	-31.8	04	17.6	3	0.3	X	39	0.02	X X X	A		
	18	724.5	-33.3	04	14.1	2	1.0							
	21	725.6	-34.9	04	12.2	2	1.1	10-	38	0.3	0 7 X	B	10-Ac	
	24	726.9	-35.9	04	13.7	2	1.3							
OCT.29	03	728.0	-37.4	04	14.5	2	1.1							
	06	728.2	-37.7	04	13.6	1	0.2							
	09	727.1	-34.7	04	14.9	8	-1.1	0+	39	0.1	0 0 1	A	0+Ci	
	12	726.8	-31.0	04	13.1	7	-0.3							
	15	726.2	-29.1	04	12.0	7	-0.6	0	38	0.5	0 0 0	B		
	18	725.7	-30.0	04	10.3	7	-0.5							
	21	725.6	-34.5	04	10.6	6	-0.1	0+	00	5.0	0 3 0	E	0+Ac	
	24	725.6	-36.3	04	12.1	4	0.0							
OCT.30	03	726.5	-37.3	03	12.3	3	0.9							
	06	726.5	-34.2	04	14.2	5	0.0							
	09	726.8	-30.1	03	14.4	3	0.3	10-	39	0.1	0 3 X	A	10-Ac	
	12	726.9	-27.5	03	14.2	0	0.1							
	15	726.2	-26.7	03	12.9	8	-0.7	10	36	0.9	0 1 X	D	10As	
	18	725.7	-27.1	03	11.1	7	-0.5							
	21	725.3	-29.7	03	10.2	7	-0.4	10	38	0.4	0 3 1	B	10-Ac, XCi	
	24	725.6	-31.6	03	8.8	2	0.3							
OCT.31	03	725.2	-33.6	03	8.6	8	-0.4							
	06	724.8	-32.0	03	7.9	8	-0.4							
	09	724.8	-30.3	02	6.4	4	0.0	5	76	20	0 3 1	-	2Ac, 4Ci	
	12	725.2	-28.4	16	0.9	3	0.4							
	15	725.7	-28.8	00	0.2	1	0.5	2	02	20	0 3 1	-	1Ac, 1Ci	
	18	725.8	-31.5	00	0.0	2	0.1							
	21	726.2	-37.2	00	0.2	3	0.4	2	02	20	0 3 0	-	2Ac	
	24	726.5	-42.2	05	3.1	2	0.3							
NOV. 1	03	726.8	-45.5	03	7.0	3	0.3							
	06	726.5	-42.1	04	8.4	7	-0.3							
	09	726.3	-37.5	04	9.4	7	-0.2	0	02	3.0	0 0 0	E		
	12	726.5	-30.8	03	9.8	2	0.2							
	15	726.3	-29.7	03	9.9	7	-0.2	0	36	1.5	0 0 0	D		
	18	725.2	-31.7	03	10.5	7	-1.1							
	21	724.6	-35.7	03	13.0	7	-0.6	1	37	0.4	0 0 1	C	1Ci	
	24	724.1	-37.5	03	12.8	6	-0.5							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCHCH	BS	PHENOMENA	
NOV. 2	03	724.2	-35.6	03	11.3	3	0.1							
	06	724.2	-31.3	03	12.3	4	0.0							
	09	724.1	-28.8	03	13.2	7	-0.1	B	38	0.3	0 3 1	B	6Ac, 8Ci	
	12	724.1	-23.9	03	12.7	4	0.0							
	15	724.1	-22.2	03	12.1	4	0.0	10-	36	0.8	0 0 1	D	10-Ci	
	18	723.5	-23.8	04	13.8	8	-0.6							
	21	723.8	-25.9	03	15.3	2	0.3	X	39	0.1	X X X	A	(XCi)	
	24	723.9	-25.7	03	15.5	3	0.1							
NOV. 3	03	723.6	-24.7	03	16.0	6	-0.3							
	06	723.1	-23.3	03	17.2	7	-0.5							
	09	723.0	-21.7	03	16.1	7	-0.1	(10)	39	0.07	X X X	A	(10Ac)	
	12	721.9	-19.9	03	16.9	7	-1.1							
	15	721.7	-19.8	03	19.2	7	-0.2	X	39	0.01	X X X	A	(*)	
	18	720.8	-20.7	03	17.0	7	-0.9							
	21	721.2	-21.2	03	18.9	3	0.4	X	39	0.05	X X X	A	(*)	
	24	721.7	-21.6	03	16.4	0	0.5							
NOV. 4	03	722.6	-22.0	03	17.5	3	0.9							
	06	723.7	-21.6	03	16.1	2	1.1							
	09	726.7	-18.9	03	14.8	2	3.0	X	39	0.05	X X X	A		
	12	731.1	-17.0	03	12.9	2	4.4							
	15	734.8	-16.7	02	12.0	2	3.7	9	38	0.3	0 1 1	B	7As, XCi	
	18	738.1	-17.9	03	9.5	2	3.3							
	21	740.2	-19.4	03	11.3	3	2.1	10-	36	0.1	0 7 X	D	10-Ac	
	24	741.7	-21.3	03	10.5	2	1.5							
NOV. 5	03	742.2	-25.0	04	8.2	1	0.5							
	06	741.4	-24.3	04	12.2	7	-0.8							
	09	740.3	-21.3	04	14.0	8	-1.1	2	37	0.5	0 0 1	C	2Ci	
	12	740.5	-18.0	03	10.8	0	0.2							
	15	739.7	-17.2	03	12.2	8	-0.8	7	36	0.6	0 3 1	D	5Ac, 4Ci	
	18	739.2	-17.6	03	9.4	6	-0.5							
	21	739.3	-18.8	03	8.4	2	0.1	10-	36	0.5	0 1 1	D	5As, 5Ci	
	24	739.6	-20.9	03	8.3	2	0.3							
NOV. 6	03	740.2	-21.3	03	8.1	3	0.6							
	06	740.3	-20.5	03	8.8	3	0.1							
	09	739.1	-18.9	03	8.7	7	-1.2	6	02	20.0	0 3 1	E	3Ac, 3Ci	
	12	738.2	-15.5	03	10.1	8	-0.9							
	15	737.6	-14.0	03	8.9	5	-0.6	8	02	20.0	0 3 1	E	2Ac, 8Ci	
	18	737.6	-15.2	03	8.0	4	0.0							
	21	738.1	-20.0	03	7.1	3	0.5	9	02	20.0	0 3 1	-	4Ac, 6Ci	
	24	739.5	-17.9	02	7.4	2	1.4							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A (mb)	PP (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA
NOV. 7	03	740.6	-17.8	03	8.5	3	1.1						
	06	742.3	-17.4	03	7.9	2	1.7						
	09	743.6	-15.8	03	8.0	2	1.3	10	02	5.0	0 2 X	-	10As
	12	744.7	-14.1	03	7.5	2	1.1						
	15	745.6	-13.3	03	7.0	3	0.9	10	71	5.0	0 2 7	E†	* , 5As, 10Cs
	18	746.7	-14.4	03	6.6	2	1.1						
	21	748.0	-17.1	03	5.2	2	1.3	10	71	3.0	0 2 X	-†	* , 10As
	24	749.0	-18.3	03	4.7	2	1.0						
NOV. 8	03	749.3	-23.8	04	5.9	2	0.3						
	06	749.1	-25.0	04	6.2	8	-0.2						
	09	748.6	-20.4	04	5.2	7	-0.5	6	02	20.0	0 3 1	-	1Ac, 6Ci
	12	748.2	-17.3	05	4.3	7	-0.4						
	15	747.7	-15.7	05	5.8	7	-0.5	9	02	20.0	0 3 1	-	0+Ac, 9Ci
	18	747.2	-17.4	04	7.5	7	-0.5						
	21	746.9	-20.5	04	10.0	7	-0.3	10-	03	10.0	0 3 1	E	6Ac, 5Ci
	24	746.4	-22.6	04	13.0	8	-0.5						
NOV. 9	03	745.9	-25.7	04	13.4	5	-0.5						
	06	745.9	-24.3	04	12.2	0	0.0						
	09	745.2	-20.9	04	14.5	7	-0.7						
	12	745.3	-17.7	04	14.9	2	0.1	3	38	0.3	0 3 1	B	1Ac, 2Ci
	15	744.9	-16.8	04	14.3	8	-0.4	6	38	0.3	0 3 1	B	1Ac, 5Ci
	18	745.5	-18.7	04	13.5	2	0.6						
	21	745.3	-23.2	04	13.1	7	-0.2	3	36	1.0	0 3 1	D	3Ac, 0+Ci
	24	744.8	-26.1	04	14.8	7	-0.5						
NOV. 10	03	743.9	-26.9	04	15.8	7	-0.9						
	06	742.9	-26.0	04	16.4	8	-1.0						
	09	742.3	-23.0	04	17.4	8	-0.6	1	39	0.2	0 3 0	A	1Ac
	12	742.1	-20.0	04	16.5	7	-0.2						
	15	741.9	-18.8	04	15.8	7	-0.2	0	38	0.3	0 0 0	B	
	18	741.9	-20.0	04	14.5	4	0.0						
	21	741.2	-22.6	04	15.2	7	-0.7	1	38	0.3	0 3 0	B	1Ac
	24	742.0	-24.7	04	13.9	1	0.8						
NOV. 11	03	741.8	-24.9	04	16.2	8	-0.2						
	06	741.8	-24.3	04	16.6	0	0.0						
	09	742.2	-21.7	04	16.5	3	0.4	2	38	0.3	0 3 0	B	2Ac
	12	742.7	-19.1	04	17.3	3	0.5						
	15	743.2	-18.5	04	15.8	2	0.5	1	38	0.4	0 3 0	B	1Ac
	18	743.4	-20.7	04	14.4	3	0.2						
	21	743.4	-24.0	04	15.4	4	0.0	0	36	1.0	0 0 0	D	
	24	742.8	-27.1	04	16.2	8	-0.6						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLMCH	BS	PHENOMENA
NOV.12	03	741.9	-27.9	04	17.4	7	-0.9						
	06	741.9	-26.7	04	14.7	4	0.0						
	09	741.5	-23.2	04	15.0	7	-0.4	0	36	1.5	0 0 0	D	
	12	741.0	-19.8	04	16.7	7	-0.5						
	15	741.0	-18.8	04	13.1	4	0.0	0	02	20.0	0 0 0	E	
	18	741.0	-20.8	04	12.4	4	0.0						
	21	741.0	-24.6	04	13.4	4	0.0	0	02	20.0	0 0 0	E	
	24	740.9	-27.7	04	12.8	8	-0.1						
NOV.13	03	740.6	-29.0	04	13.6	5	-0.3						
	06	739.9	-28.8	04	13.6	7	-0.7						
	09	740.2	-25.7	04	13.5	3	0.3	0	02	20.0	0 0 0	E	
	12	741.4	-21.7	03	12.0	3	1.2						
	15	741.6	-20.6	04	13.1	2	0.2	0	02	20.0	0 0 0	E	
	18	742.1	-22.0	04	10.7	2	0.5						
	21	742.5	-27.5	04	10.4	2	0.4	0+	02	20.0	0 3 1	-	0+Ac
	24	742.8	-30.9	04	10.2	2	0.3						
NOV.14	03	742.7	-32.5	04	8.1	8	-0.1						
	06	741.1	-31.1	04	10.8	7	-1.6						
	09	739.3	-26.8	04	13.1	7	-1.8	0	02	20.0	0 0 0	E	
	12	738.5	-23.2	04	10.6	7	-0.8						
	15	737.4	-21.9	04	9.9	7	-1.1	0	02	20.0	0 0 0	E	
	18	736.5	-23.1	04	7.5	7	-0.9						
	21	735.9	-28.6	04	6.6	7	-0.6	0	02	20.0	0 0 0	-	
	24	735.6	-32.5	04	8.4	7	-0.3						
NOV.15	03	735.1	-33.7	03	9.1	8	-0.5						
	06	735.0	-30.5	03	7.5	7	-0.1						
	09	734.1	-26.0	03	8.2	7	-0.9	0+	02	20.0	0 3 0	-	0+Ac
	12	734.3	-23.4	02	9.7	2	0.2						
	15	734.6	-22.2	01	7.8	2	0.3	0+	02	20.0	0 3 0	-	0+Ac
	18	735.6	-22.8	01	5.8	3	1.0						
	21	736.4	-27.1	03	6.4	3	0.8	9	03	20.0	0 5 0	-	9Ac
	24	738.0	-28.1	03	9.4	2	1.6						
NOV.16	03	738.8	-30.0	03	9.5	2	0.8						
	06	738.6	-28.7	04	9.1	8	-0.2						
	09	737.8	-26.1	04	9.2	7	-0.8	3	02	20.0	0 3 1	E	2Ac, 1Ci
	12	736.6	-22.7	04	10.3	7	-1.2						
	15	735.0	-20.7	04	11.6	7	-1.6	2	36	1.0	0 0 1	D	2Ci
	18	734.2	-21.8	04	10.5	7	-0.8						
	21	733.5	-25.1	04	12.8	7	-0.7	5	03	10.0	0 0 1	E	5Ci
	24	733.5	-28.7	04	14.0	4	0.0						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLMCH	BS	PHENOMENA
NOV.17	03	733.7	-29.8	04	13.9	2	-0.2						
	06	733.5	-28.8	04	14.1	6	-0.2						
	09	733.4	-25.0	04	13.5	7	-0.1	9	02	5.0	0 0 1	E	9Ci
	12	733.4	-21.3	04	13.1	4	0.0						
	15	733.4	-20.2	03	11.1	4	0.0	9	02	5.0	0 0 1	E	9Ci
	18	733.5	-20.3	03	9.1	2	0.1						
	21	733.6	-23.5	03	7.5	2	0.1	9	02	10.0	0 3 1	E	6Ac, 4Ci
24	734.4	-24.2	03	8.0	3	0.8							
NOV.18	03	734.3	-25.6	03	8.1	8	-0.1						
	06	734.5	-25.9	04	8.8	2	0.2						
	09	734.2	-23.8	04	8.7	8	-0.3	10	02	10.0	0 3 1	E	4Ac, 9Ci
	12	734.4	-19.5	03	7.4	2	0.2						
	15	734.1	-18.6	04	7.5	7	-0.3	1	01	20.0	0 3 0	E	1Ac
	18	734.2	-19.4	04	4.7	2	0.1						
	21	734.3	-24.7	04	6.4	2	0.1	1	02	20.0	0 3 0	E	1Ac
24	735.1	-23.6	03	6.6	2	0.8							
NOV.19	03	735.6	-22.8	04	5.8	2	0.5						
	06	735.8	-21.6	04	6.1	2	0.2						
	09	736.0	-19.6	04	6.0	2	0.2	10	02	20.0	0 7 X	-	10Ac
	12	736.2	-16.0	03	5.7	2	0.2						
	15	735.9	-15.4	04	6.6	7	-0.3	10	02	20.0	0 7 X	-	10Ac
	18	736.0	-16.9	04	6.8	2	0.1						
	21	736.2	-19.6	03	7.6	2	0.2	9	02	20.0	0 2 X	-	9As
24	736.1	-22.5	03	8.9	7	-0.1							
NOV.20	03	735.9	-26.5	04	9.7	7	-0.2						
	06	735.4	-26.0	03	10.2	6	-0.5						
	09	735.6	-22.9	03	10.0	3	0.2	9	02	10.0	0 0 1	E	9Ci
	12	736.3	-19.6	03	8.4	1	0.7						
	15	736.7	-17.4	03	6.9	3	0.4	10	02	5.0	0 0 7	E	10Cs
	18	737.5	-18.3	04	5.3	3	0.8						
	21	738.1	-22.9	04	6.7	2	0.6	4	02	20.0	0 3 1	-	2Ac, 2Ci
24	739.0	-26.3	04	8.2	2	0.9							
NOV.21	03	739.6	-26.7	04	10.1	3	0.6						
	06	740.0	-24.1	04	9.8	2	0.4						
	09	740.4	-21.1	04	8.8	2	0.4						
	12	740.9	-17.7	04	7.8	2	0.5	10	02	20.0	0 3 1	E	2Ac, 8Ci
	15	741.0	-16.1	04	7.8	2	0.1	10	02	10.0	0 0 7	E	10Cs
	18	739.9	-17.3	04	6.3	7	-1.1						
	21	739.1	-21.8	04	8.2	6	-0.8	2	02	20.0	0 3 0	E	2Ac
24	737.4	-24.5	04	12.8	8	-1.7							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA	
NOV.22	03	735.5	-24.4	04	14.4	6	-1.9							
	06	734.0	(-22.8)	04	14.3	7	-1.5							
	09	733.7	(-19.6)	04	13.8	6	-0.3	10	36	1.5	0 3 7	D	1Ac, 10Cs	
	12	733.9	-16.3	04	12.7	1	0.2							
	15	733.4	-15.2	03	12.2	8	-0.5	10	38	0.3	0 7 X	B	10Ac	
	18	734.2	-15.4	03	9.9	3	0.8							
	21	734.8	-17.4	03	8.8	3	0.6	10	01	5.0	0 2 X	E	10As	
24	736.1	-20.7	03	8.2	2	1.3								
NOV.23	03	737.1	-22.1	04	9.1	2	1.0							
	06	738.7	-22.7	04	9.5	2	1.6							
	09	738.5	-21.4	04	11.8	8	-0.2							
	12	739.0	-18.9	04	11.4	2	0.5	7	02	20.0	0 0 1	E	7Ci	
	15	739.4	-17.9	03	9.3	2	0.4	9	02	20.0	0 0 1	E	9Ci	
	18	739.6	-18.0	03	6.8	2	0.2							
	21	740.1	-22.6	04	7.6	2	0.5	4	01	20.0	0 0 1	-	4Ci	
24	741.1	-27.3	04	9.8	2	1.0								
NOV.24	03	741.8	-27.6	04	10.5	2	0.7							
	06	741.9	-26.4	04	10.5	1	0.1							
	09	742.5	-22.0	04	11.4	3	0.6	0	02	20.0	0 0 0	E		
	12	742.8	-18.2	04	10.3	2	0.3							
	15	743.0	-16.8	04	9.5	2	0.2	0	02	20.0	0 0 0	E		
	18	742.7	-17.9	04	9.3	7	-0.3							
	21	742.6	-22.3	04	8.9	7	-0.1	0	02	20.0	0 0 0	E		
24	742.4	-26.0	04	11.2	7	-0.2								
NOV.25	03	742.0	-27.8	04	12.1	7	-0.4							
	06	741.2	-26.1	04	11.6	7	-0.8							
	09	740.9	-21.8	04	11.2	8	-0.3	0	02	20.0	0 0 0	E		
	12	740.5	-18.0	04	10.6	7	-0.4							
	15	740.2	-16.9	04	10.4	7	-0.3	0	02	20.0	0 3 0	E	0+Ac	
	18	739.8	-18.0	04	8.6	7	-0.4							
	21	739.2	-22.1	04	9.5	7	-0.6	0	02	20.0	0 3 0	E	0+Ac	
24	739.2	-25.8	05	11.1	4	0.0								
NOV.26	03	738.3	-27.6	04	12.5	7	-0.9							
	06	736.7	-27.2	04	13.1	7	-1.6							
	09	735.5	-24.2	04	13.5	7	-1.2	0+	36	0.6	0 3 0	D	0+Ac	
	12	735.2	-20.6	04	12.4	7	-0.3							
	15	734.8	-20.0	04	13.1	7	-0.4	0+	36	1.5	0 3 0	D	0+Ac	
	18	734.8	-20.3	04	9.6	4	0.0							
	21	734.7	-23.5	04	9.3	7	-0.1	0+	02	10.0	0 3 0	E	0+Ac	
24	734.8	-26.7	04	10.9	2	0.1								

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	PP (mb)	N	MM	V (km)	CLMCH	BS	PHENOMENA
NOV.27	03	734.6	-28.5	04	10.9	7	-0.2						
	06	734.4	-27.6	04	11.8	7	-0.2						
	09	734.1	-24.8	04	12.9	6	-0.3	2	36	1.0	0 0 1	D	2Ci
	12	733.9	-21.9	04	12.3	7	-0.2						
	15	734.0	-20.3	04	10.9	3	0.1	0+	02	3.0	0 3 0	E	0+Ac
	18	734.6	-20.0	04	7.5	2	0.6						
	21	735.2	-23.7	04	7.1	2	0.6	1	02	20.0	0 3 0	-	1Ac
24	736.3	-27.0	04	7.6	2	1.1							
NOV.28	03	737.4	-27.6	04	7.2	2	1.1						
	06	738.0	-26.9	04	8.7	2	0.6						
	09	738.2	-23.6	04	8.1	2	0.2						
	12	739.1	-19.7	04	7.5	3	0.9	9	02	20.0	0 3 X	-	9Ac
	15	739.4	-18.6	03	7.8	2	0.3	10-	03	20.0	0 2 X	-	10-As
	18	739.7	-18.7	X	X	2	0.3						
	21	740.3	-20.0	03	6.3	2	0.6	10-	71	20.0	0 2 X	-†	* , 10-As
24	740.7	-22.8	04	7.5	1	0.4							
NOV.29	03	740.8	-27.1	04	8.9	2	0.1						
	06	740.7	-26.7	04	8.6	7	-0.1						
	09	740.3	-22.4	04	8.4	8	-0.4						
	12	740.3	-20.6	04	8.5	0	0.0	0+	02	20.0	0 3 0	E	0+Ac
	15	739.5	-19.7	04	8.5	6	-0.8	0+	02	20.0	0 3 0	E	0+Ac
	18	738.5	-20.4	04	8.4	7	-1.0						
	21	738.0	-23.9	04	8.6	6	-0.5	0+	02	20.0	0 3 0	E	0+Ac
24	737.7	-27.5	04	10.1	7	-0.3							
NOV.30	03	737.4	-28.9	04	10.4	7	-0.3						
	06	736.8	-26.9	04	12.6	7	-0.6						
	09	736.0	-24.4	03	12.2	6	-0.8	9	36	2.0	0 3 1	D	1Ac, 8Ci
	12	736.2	-19.8	03	11.0	2	0.2						
	15	736.6	-18.0	02	9.3	3	0.4	10	71	2.0	0 1 X	D	* , 10As
	18	737.1	-18.0	03	8.1	2	0.5						
	21	737.4	-19.7	03	6.8	3	0.3	10	71	3.0	0 1 7	E†	* , 4As, 10Cs
24	738.0	-23.0	03	7.2	1	0.6							
DEC. 1	03	738.2	-24.2	03	8.5	0	0.2						
	06	738.1	-22.9	03	11.1	8	-0.1						
	09	738.2	-21.0	03	11.6	3	0.1	6	36	1.5	0 3 0	D	6Ac
	12	738.6	-18.0	03	10.6	1	0.4						
	15	738.5	-16.3	03	9.2	5	-0.1	10-	02	10.0	0 2 X	E	10-As
	18	738.8	-16.1	03	8.6	2	0.3						
	21	738.7	-17.9	03	7.9	5	-0.1	9	02	10.0	0 2 X	E	9As
24	739.3	-18.8	03	7.6	1	0.6							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NW	V (km)	CLCMCH	BS	PHENOMENA
DEC. 2	03	739.7	-18.8	04	8.4	1	0.4						
	06	739.1	-18.9	03	10.2	7	-0.6						
	09	738.3	-18.0	04	10.9	6	-0.8						
	12	738.2	-15.6	03	11.5	5	-0.1	8	02	5.0	0 3 1	E	5Ac, 4Ci
	15	738.0	-14.7	03	10.1	7	-0.2	8	01	10.0	0 3 1	E	2Ac, 8Ci
	18	737.4	-15.7	03	7.4	6	-0.6						
	21	736.9	-19.1	04	6.8	7	-0.5	8	02	20.0	0 3 1	-	7Ac, 4Ci
24	736.7	-21.0	04	8.1	7	-0.2							
DEC. 3	03	736.2	-22.8	03	9.0	7	-0.5						
	06	735.4	-23.6	04	9.3	7	-0.8						
	09	734.2	-21.6	04	9.1	7	-1.2	3	02	10.0	0 3 1	E	4Ac, 0+Ci
	12	733.5	-17.9	03	8.1	7	-0.7						
	15	732.7	-16.6	02	6.4	7	-0.8	5	02	20.0	0 3 1	-	2Ac, 3Ci
	18	732.3	-16.9	03	4.4	7	-0.4						
	21	732.4	-22.1	03	4.8	3	0.1	5	02	20.0	0 3 1	-	0+Ac, 5Ci
24	732.9	-25.8	03	6.6	2	0.5							
DEC. 4	03	733.6	-26.9	03	6.9	2	0.7						
	06	733.9	-24.9	03	8.3	3	0.3						
	09	734.7	-21.5	03	9.4	2	0.8	9	02	10.0	0 3 1	E	0+Ac, 9Ci
	12	735.3	-18.6	03	8.4	2	0.6						
	15	735.8	-17.4	03	6.6	2	0.5	6	02	20.0	0 3 1	-	0+Ac, 6Ci
	18	736.7	-17.6	01	6.1	3	0.9						
	21	737.5	-21.8	04	4.8	3	0.8	8	71	3.0	0 7 X	-	* , 2Ac, 8As
24	738.6	-22.9	04	6.2	2	1.1							
DEC. 5	03	739.7	-23.9	04	6.8	1	1.1						
	06	739.9	-23.0	04	7.1	2	0.2						
	09	739.9	-19.8	03	8.0	4	0.0						
	12	740.4	-16.9	03	7.4	3	0.5	7	02	5.0	0 3 1	E	6Ac, 2Ci
	15	740.1	-16.6	03	6.8	8	-0.3	6	02	10.0	0 3 1	E	2Ac, 6Ci
	18	739.8	-17.2	03	4.1	7	-0.3						
	21	739.8	-21.7	04	4.6	4	0.0	9	02	20.0	0 3 1	-	2Ac, 8Ci
24	740.1	-26.8	04	5.9	3	0.3							
DEC. 6	03	740.1	-27.5	04	8.4	0	0.0						
	06	739.1	-26.0	04	10.3	7	-1.0						
	09	738.4	-22.7	04	10.0	7	-0.7	1	02	10.0	0 3 0	E	1Ac
	12	737.8	-19.1	04	9.7	7	-0.6						
	15	737.4	-17.8	03	8.6	7	-0.4	1	02	20.0	0 0 1	E	1Ci
	18	736.7	-18.0	03	6.7	7	-0.7						
	21	736.3	-22.0	04	6.4	7	-0.4	0+	02	20.0	0 0 1	-	0+Ci
24	736.5	-25.5	04	8.0	1	0.2							

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	NW	V (km)	CLCMCH	BS	PHENOMENA
DEC. 7	03	736.3	-26.6	04	8.5	7	-0.2						
	06	736.0	-23.9	04	9.1	7	-0.3						
	09	735.9	-21.1	04	9.9	7	-0.1	0+	02	20.0	0 3 0	E	0+Ac
	12	735.5	-18.0	04	8.1	7	-0.4						
	15	735.1	-16.8	04	7.5	6	-0.4	0+	02	20.0	0 3 0	E	0+Ac
	18	734.7	-17.5	04	6.2	7	-0.4						
	21	734.8	-22.0	04	6.3	2	0.1	0+	02	20.0	0 3 0	-	0+Ac
	24	735.4	-25.9	04	8.0	2	0.6						
DEC. 8	03	735.8	-27.6	04	8.7	2	0.4						
	06	736.8	-25.7	04	9.3	2	1.0						
	09	738.4	-22.6	04	10.4	2	1.6	0+	02	10.0	0 3 0	E	0+Ac
	12	739.8	-18.7	03	8.7	2	1.4						
	15	741.1	-16.7	03	6.6	3	1.3	1	02	20.0	0 3 0	-	1Ac
	18	742.3	-17.0	03	3.9	2	1.2						
	21	743.7	-22.3	04	4.9	2	1.4	0+	02	20.0	0 3 0	-	0+Ac
	24	745.2	-26.8	04	6.3	2	1.5						
DEC. 9	03	746.6	-28.0	04	6.8	2	1.4						
	06	747.9	-26.7	04	7.1	2	1.3						
	09	748.8	-21.9	04	7.2	3	0.9	0	02	20.0	0 0 0	-	
	12	750.6	-18.0	03	4.2	1	1.8						
	15	751.3	-16.7	03	4.2	2	0.7	0	02	20.0	0 0 0	-	
	18	752.1	-19.9	04	3.4	2	0.8						
	21	752.9	-21.9	05	4.7	2	0.8	1	02	20.0	0 0 1	-	1Ci
	24	753.4	-25.9	05	8.0	3	0.5						
DEC. 10	03	753.4	-27.1	05	9.5	4	0.0						
	06	753.2	-24.9	04	11.6	7	-0.2						
	09	752.9	-21.3	04	12.6	7	-0.3	1	36	0.8	0 3 0	D	1Ac
	12	752.9	-16.8	04	12.4	4	0.0						
	15	753.0	-15.4	04	9.7	2	0.1	0+	02	3.0	0 3 0	E	0+Ac
	18	752.7	-16.1	04	9.3	7	-0.3						
	21	752.6	-19.4	04	9.1	5	-0.1	0+	02	20.0	0 3 0	E	0+Ac
	24	752.7	-23.1	04	9.6	2	0.1						
DEC. 11	03	751.9	-23.4	04	10.5	8	-0.8						
	06	750.9	-24.7	05	9.8	7	-1.0						
	09	748.9	-19.8	05	10.2	7	-2.0						
	12	747.4	-16.1	05	11.1	7	-1.5	0	02	3.0	0 0 0	E	
	15	746.1	-16.1	05	13.5	7	-1.3	0+	36	1.5	0 3 0	D	0+Ac
	18	744.6	-17.6	05	10.7	7	-1.5						
	21	743.7	-19.9	05	9.4	7	-0.9	0+	02	10.0	0 3 0	E	0+Ac
	24	743.1	-22.8	05	11.3	5	-0.6						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA	
DEC.12	03	742.4	-24.1	05	14.2	7	-0.7							
	06	742.3	-23.0	04	13.4	7	-0.1							
	09	742.3	-20.0	04	13.6	5	0.0							
	12	744.5	-17.1	04	11.1	2	2.2	0	36	2.0	0 0 0	D		
	15	745.9	-15.7	04	9.9	2	1.4	0+	02	10.0	0 3 0	E	0+Ac	
	18	747.2	-16.0	04	6.4	2	1.3							
	21	748.1	-19.9	04	6.3	2	0.9	1	02	20.0	0 3 0	-	1Ac	
24	748.8	-24.8	04	7.4	2	0.7								
DEC.13	03	749.1	-26.0	04	8.9	2	0.3							
	06	749.0	-23.5	04	9.5	7	-0.1							
	09	748.9	-19.9	04	11.3	7	-0.1							
	12	748.7	-17.3	04	10.8	7	-0.2	5	02	5.0	0 3 1	E	4Ac, 2Ci	
	15	748.4	-15.7	04	10.9	5	-0.3	5	02	5.0	0 3 9	E	0+Ac, 1Ci, 4Cc	
	18	747.5	-15.5	03	7.9	7	-0.9							
	21	746.8	-19.4	04	6.6	6	-0.7	3	02	20.0	0 3 1	-	0+Ac, 3Ci	
24	746.1	-22.9	04	8.6	7	-0.7								
DEC.14	03	745.4	-22.2	04	9.8	7	-0.7							
	06	744.2	-20.5	04	10.9	7	-1.2							
	09	743.3	-17.5	03	11.3	7	-0.9	7	02	10.0	0 3 1	E	2Ac, 7Ci	
	12	743.6	-13.5	03	10.2	2	0.3							
	15	744.1	-12.4	02	8.8	3	0.5	8	03	20.0	0 3 1	-	0+Ac, 8Ci	
	18	744.5	-12.7	02	6.8	2	0.4							
	21	745.1	-14.2	02	6.7	3	0.6	10-	02	20.0	0 7 1	-	7Ac, 1Ci	
24	746.0	-15.1	03	7.2	3	0.9								
DEC.15	03	746.9	-16.7	03	6.7	2	0.9							
	06	747.3	-15.7	04	5.8	2	0.4							
	09	747.5	-12.9	03	8.3	1	0.2	10	71	2.0	0 2 X	D†	*, 10As	
	12	748.5	-11.7	02	7.4	2	1.0							
	15	749.0	-11.7	03	7.7	1	0.5	10	71	1.5	0 7 X	D†	*, 10Ac	
	18	749.4	-11.7	02	5.2	3	0.4							
	21	749.8	-13.2	03	3.8	2	0.4	10	71	5.0	0 2 X	-†	*, 10As	
24	750.5	-14.1	02	2.2	3	0.7								
DEC.16	03	751.1	-14.3	02	2.9	1	0.6							
	06	751.2	-14.0	02	2.8	1	0.1							
	09	751.2	-11.8	03	3.7	4	0.0	9	02	20.0	0 3 1	-	8Ac, 1Ci	
	12	751.6	-10.1	01	4.9	3	0.4							
	15	751.7	-10.0	02	3.4	2	0.1	7	01	20.0	0 3 1	-	3Ac, 7Ci	
	18	751.5	-9.9	04	2.2	7	-0.2							
	21	751.6	-14.9	04	4.6	3	0.1	9	02	20.0	0 3 2	-	0+Ac, 9Ci	
24	752.1	-17.6	04	5.4	2	0.5								

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLCMCH	BS	PHENOMENA
DEC.17	03	752.2	-20.4	04	6.5	2	0.1						
	06	752.1	-17.3	04	6.6	7	-0.1						
	09	752.7	-12.8	04	6.6	3	0.6	1	02	20.0	0 3 1	-	0+Ac, 1Ci
	12	753.5	-9.5	04	9.1	2	0.8						
	15	753.8	-9.0	03	9.7	3	0.3	1	02	20.0	0 3 1	E	1Ac, 0+Ci
	18	754.6	-10.1	04	8.5	2	0.8						
	21	754.6	-13.8	04	8.6	4	0.0	9	03	20.0	0 3 1	E	1Ac, 9Ci
	24	754.6	-17.0	04	9.1	4	0.0						
DEC.18	03	753.9	-17.2	04	14.1	8	-0.7						
	06	753.6	-15.5	04	15.6	7	-0.3						
	09	753.6	-13.4	04	14.1	4	0.0	10	36	1.5	0 2 X	D	10As
	12	754.4	-11.1	03	13.8	3	0.8						
	15	754.4	-10.8	04	14.5	4	0.0	10	39	0.1	0 1 X	(A*)	(*), 10As
	18	755.3	-10.8	03	10.7	3	0.9						
	21	755.8	-11.4	04	10.2	2	0.5	10	71	1.5	0 1 X	D*	*, 10As
	24	756.6	-13.9	04	11.0	1	0.8						
DEC.19	03	756.0	-15.3	04	14.2	7	-0.6						
	06	755.1	-16.0	04	15.0	7	-0.9						
	09	754.1	-13.9	04	15.6	7	-1.0						
	12	753.6	-11.5	04	15.4	7	-0.5	5	36	0.8	0 0 1	D	5Ci
	15	753.2	-10.4	04	14.1	7	-0.4	2	36	1.0	0 0 1	D	2Ci
	18	752.4	-11.6	04	14.2	8	-0.8						
	21	751.5	-14.6	04	13.4	6	-0.9	0+	36	1.0	0 0 1	D	0+Ci
	24	750.5	-17.4	04	17.2	8	-1.0						
DEC.20	03	749.9	-18.6	04	16.0	7	-0.6						
	06	749.4	-17.8	04	15.4	7	-0.5						
	09	748.9	-15.1	04	15.6	7	-0.5	0	38	0.4	0 0 0	B	
	12	748.5	-11.8	04	14.3	6	-0.4						
	15	748.0	-10.7	04	12.0	8	-0.5	0	36	2.0	0 0 0	D	
	18	747.8	-11.6	04	8.4	7	-0.2						
	21	747.1	-15.0	04	8.5	8	-0.7	0+	02	20.0	0 3 0	E	0+Ac
	24	746.5	-17.8	04	10.0	7	-0.6						
DEC.21	03	745.6	-19.2	04	12.1	6	-0.9						
	06	744.5	-18.9	04	12.2	7	-1.1						
	09	743.8	-15.4	04	12.2	6	-0.7	0+	02	10.0	0 0 1	E	0+Ci
	12	743.0	-13.4	04	13.2	7	-0.8						
	15	742.4	-12.3	03	11.0	7	-0.6	7	03	20.0	0 3 1	E	2Ac, 6Ci
	18	741.9	-12.8	03	8.6	7	-0.5						
	21	741.8	-13.7	04	7.0	5	-0.1	9	02	20.0	0 3 X	-	9Ac
	24	741.7	-14.1	04	6.2	7	-0.1						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	M	MM	V (km)	CLCMCH	BS	PHENOMENA
(1982)													
DEC.22	03	741.6	-14.6	04	6.0	7	-0.1						
	06	741.8	-15.0	04	8.5	3	0.2						
	09	742.0	-15.1	03	10.5	2	0.2	8	02	5.0	0 3 1	E	6Ac, 4Ci
	12	742.2	-13.8	03	9.8	0	0.2						
	15	742.0	-12.8	03	12.3	7	-0.2	10	02	3.0	0 3 7	E	2Ac, 10Cs
	18	742.6	-12.7	03	11.7	3	0.6						
	21	743.9	-14.4	04	9.0	3	1.3	10	02	2.0	0 1 X	D	10As
	24	745.4	-14.8	03	8.1	2	1.5						
DEC.23	03	746.4	-15.2	03	8.7	2	1.0						
	06	747.2	-14.4	03	10.7	1	0.8						
	09	748.3	-13.8	03	11.0	2	1.1	5	02	3.0	0 3 1	E	2Ac, 5Ci
	12	748.7	-13.3	04	11.6	1	0.4						
	15	748.9	-11.7	04	9.9	1	0.2	1	02	10.0	0 3 1	E	0+Ac, 1Ci
	18	748.9	-11.8	04	7.9	4	0.0						
	21	749.0	-14.8	04	7.5	3	0.1	1	02	20.0	0 0 1	-	1Ci
	24	749.6	-18.6	04	8.8	2	0.6						
DEC.24	03	749.6	-20.0	04	9.6	4	0.0						
	06	748.6	-19.9	04	10.1	7	-1.0						
	09	747.0	-16.2	04	10.8	7	-1.6	0+	02	20.0	0 3 0	E	0+Ac
	12	745.3	-13.9	04	13.1	6	-1.7						
	15	744.2	-11.7	04	11.6	7	-1.1	1	02	10.0	0 3 0	E	1Ac
	18	743.4	-11.8	04	7.1	7	-0.8						
	21	742.9	-14.9	04	7.1	6	-0.5	0+	02	20.0	0 0 1	-	0+Ci
	24	743.0	-18.6	04	9.5	3	0.1						
DEC.25	03	743.1	-20.4	04	9.4	2	0.1						
	06	743.0	-19.8	04	10.3	7	-0.1						
	09	742.2	-16.8	04	11.8	6	-0.8						
	12	742.2	-14.0	04	11.0	5	0.0	1	02	20.0	0 3 0	E	1Ac
	15	742.9	-12.2	03	10.8	3	0.7	1	02	20.0	0 3 0	E	1Ac
	18	743.7	-12.1	03	8.2	2	0.8						
	21	744.7	-15.2	04	7.3	2	1.0	2	02	20.0	0 3 0	-	2Ac
	24	746.1	-17.8	04	9.7	2	1.4						
DEC.26	03	747.3	-19.9	03	10.8	3	1.2						
	06	748.4	-18.4	04	10.6	2	1.1						
	09	749.0	-14.9	04	11.4	2	0.6						
	12	749.2	-11.0	04	12.1	1	0.2	7	02	20.0	0 3 1	E	0+Ac, 7Ci
	15	749.5	-9.1	04	12.1	3	0.3	9	02	10.0	0 0 1	E	9Ci
	18	750.0	-9.8	04	11.7	2	0.5						
	21	750.7	-11.8	04	10.5	3	0.7	8	03	10.0	0 3 1	E	6Ac, 3Ci
	24	751.1	-13.2	04	12.9	2	0.4						

DATE (1982)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLMCH	BS	PHENOMENA
DEC.27	03	751.1	-11.9	04	12.6	4	0.0						
	06	750.1	-10.4	04	13.4	7	-1.0						
	09	749.7	-8.6	04	15.2	6	-0.4	10	36	1.5	0 1 X	D	10As
	12	749.2	-6.7	04	14.5	7	-0.5						
	15	748.6	-5.9	04	12.6	6	-0.6	10-	02	3.0	0 3 1	E	1Ac, 10-Ci
	18	747.6	-6.3	04	9.7	7	-1.0						
	21	746.9	-8.7	04	8.3	6	-0.7	10-	02	5.0	0 3 1	E	1Ac, 10-Ci
	24	747.3	-11.3	04	7.3	3	0.4						
DEC.28	03	747.3	-11.8	04	5.4	4	0.0						
	06	746.9	-12.2	04	6.1	7	-0.4						
	09	746.9	-10.8	03	7.6	4	0.0	8	02	20.0	0 3 1	E	6Ac, 2Ci
	12	747.8	-10.7	02	10.0	3	0.9						
	15	748.6	-10.9	02	8.8	2	0.8	10	71	1.5	0 2 X	D†	* , 10As
	18	749.1	-10.8	02	6.6	1	0.5						
	21	749.3	-11.4	02	2.4	2	0.2	10	02	20.0	0 7 X	-	10Ac
	24	749.8	-12.1	03	3.5	2	0.5						
DEC.29	03	750.2	-12.0	02	5.9	1	0.4						
	06	750.1	-12.0	03	9.8	7	-0.1						
	09	750.3	-11.1	03	11.3	3	0.2	2	02	5.0	0 3 1	E	0+Ac, 2Ci
	12	751.2	-8.1	03	9.7	2	0.9						
	15	751.6	-6.8	03	10.4	3	0.4	9	02	20.0	0 3 1	-	1Ac, 9Ci
	18	751.6	-7.3	04	8.6	4	0.0						
	21	752.2	-8.7	04	8.9	3	0.6	9	02	20.0	0 3 1	-	3Ac, 9Ci
	24	752.5	-11.0	04	11.7	2	0.3						
DEC.30	03	753.2	-13.2	03	13.1	2	0.7						
	06	753.3	-13.6	04	10.1	0	0.1						
	09	752.8	-11.2	04	10.7	6	-0.5	1	02	10.0	0 0 1	E	1Ci
	12	752.1	-9.4	04	12.8	8	-0.7						
	15	751.7	-8.2	04	11.1	7	-0.4	0+	02	20.0	0 0 1	E	0+Ci
	18	750.5	-8.5	04	8.7	7	-1.2						
	21	749.7	-11.7	05	7.0	7	-0.8	0+	02	20.0	0 0 1	-	0+Ci
	24	748.8	-15.9	05	9.1	7	-0.9						
DEC.31	03	747.9	-17.2	04	11.6	8	-0.9						
	06	746.8	-16.1	04	12.7	6	-1.1						
	09	746.4	-14.9	04	12.3	7	-0.4	1	36	2.0	0 0 1	D	1Ci
	12	745.6	-13.8	04	14.1	7	-0.8						
	15	745.6	-13.2	04	13.5	4	0.0	1	36	1.5	0 0 1	D	1Ci
	18	745.5	-14.1	05	12.5	7	-0.1						
	21	745.4	-16.9	05	11.2	7	-0.1	0+	36	2.0	0 0 1	D	0+Ci
	24	745.9	-19.9	04	11.8	3	0.5						

DATE (1983)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WH	V (km)	CLMCH	BS	PHENOMENA
JAN. 1	03	746.1	-21.6	04	12.8	1	0.2						
	06	746.6	-19.6	04	12.3	1	0.5						
	09	746.4	-16.7	05	13.0	7	-0.2						
	12	745.7	-13.4	04	14.5	7	-0.7	1	38	0.4	0 3 0	B	1Ac
	15	745.8	-12.5	04	14.1	3	0.1	1	36	0.6	0 0 1	D	1Ci
	18	746.3	-12.6	04	11.7	2	0.5						
	21	746.7	-14.6	04	9.0	2	0.4	4	02	10.0	0 0 1	E	4Ci
	24	746.8	-17.5	04	9.7	1	0.1						
JAN. 2	03	746.5	-19.6	04	11.7	7	-0.3						
	06	746.1	-18.6	04	12.1	7	-0.4						
	09	745.6	-15.6	04	11.4	7	-0.5						
	12	745.0	-12.9	04	11.1	7	-0.6	1	02	10.0	0 3 1	E	0+Ac, 1Ci
	15	744.5	-11.6	04	10.2	7	-0.5	1	02	20.0	0 3 1	E	0+Ac, 1Ci
	18	743.9	-12.0	04	7.9	7	-0.6						
	21	743.6	-16.0	04	7.0	7	-0.3	1	02	20.0	0 3 1	-	0+Ac, 1Ci
	24	743.3	-19.7	04	7.6	7	-0.3						
JAN. 3	03	742.8	-21.6	04	8.7	7	-0.5						
	06	741.5	-20.6	04	9.6	7	-1.3						
	09	740.6	-17.4	04	10.4	7	-0.9						
	12	740.6	-13.7	03	9.3	4	0.0	0+	02	20.0	0 0 1	E	0+Ci
	15	740.3	-12.2	04	8.4	6	-0.3	0+	02	20.0	0 0 1	-	0+Ci
	18	740.5	-12.7	04	6.8	2	0.2						
	21	740.6	-16.5	04	6.6	2	0.1	0+	02	20.0	0 0 1	-	0+Ci
	24	741.2	-19.8	04	7.8	3	0.6						
JAN. 4	03	742.0	-21.9	04	8.5	2	0.8						
	06	742.4	-20.6	04	8.7	3	0.4						
	09	742.4	-16.0	04	8.4	4	0.0						
	12	742.6	-13.1	03	9.7	2	0.2	1	02	20.0	0 3 0	E	1Ac
	15	742.6	-12.7	03	7.8	4	0.0	1	02	20.0	0 3 0	-	1Ac
	18	742.3	-13.1	04	5.1	6	-0.3						
	21	742.3	-17.1	04	4.3	4	0.0	0+	02	20.0	0 3 0	-	0+Ac
	24	742.5	-21.6	04	5.8	1	0.2						
JAN. 5	03	742.5	-19.1	04	5.6	4	0.0						
	06	742.6	-18.5	04	8.3	2	0.1						
	09	742.8	-15.7	03	8.2	2	0.2	6	02	20.0	0 3 1	-	3Ac, 3Ci
	12	742.8	-13.3	03	8.3	4	0.0						
	15	742.5	-12.1	04	6.9	8	-0.3	2	02	20.0	0 3 1	-	2Ac, 0+Ci
	18	742.2	-12.6	03	5.1	7	-0.3						
	21	742.0	-17.0	04	4.6	7	-0.2	1	02	20.0	0 3 1	-	0+Ac, 1Ci
	24	742.1	-21.1	04	6.2	2	0.1						

DATE	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WH	V (km)	CLCMCH	BS	PHENOMENA
(1983)													
JAN. 6	03	742.1	-22.6	04	8.1	4	0.0						
	06	742.1	-20.6	04	8.5	4	0.0						
	09	742.1	-17.2	04	8.6	4	0.0	1	02	20.0	0 0 1	-	1Ci
	12	742.3	-14.0	03	6.9	2	0.2						
	15	742.3	-13.4	03	6.3	4	0.0	2	02	20.0	0 3 1	-	0+Ac, 2Ci
	18	742.6	-13.8	03	4.2	3	0.3						
	21	743.0	-17.7	04	4.3	3	0.4	3	02	20.0	0 0 1	-	3Ci
	24	743.5	-21.9	04	6.1	2	0.5						
JAN. 7	03	744.0	-23.6	04	6.9	2	0.5						
	06	745.0	-21.7	04	7.1	2	1.0						
	09	745.9	-16.4	03	7.5	2	0.9	7	02	20.0	0 3 1	-	6Ac, 3Ci
	12	747.1	-13.3	03	7.2	2	1.2						
	15	748.3	-13.7	02	6.9	2	1.2	8	03	20.0	0 3 1	-	8Ac, 0+Ci
	18	748.7	-13.8	04	7.0	1	0.4						
	21	749.4	-17.7	04	4.6	3	0.7	9	02	20.0	0 3 1	-	8Ac, XCi
	24	749.8	-17.8	03	4.9	1	0.4						
JAN. 8	03	749.6	-18.6	04	5.3	7	-0.2						
	06	749.1	-17.7	04	6.8	7	-0.5						
	09	748.7	-15.0	03	5.9	7	-0.4	5	02	20.0	0 3 1	-	1Ac, 4Ci
	12	749.2	-13.0	01	6.2	3	0.5						
	15	749.4	-12.2	02	3.9	3	0.2	10-	71	10.0	0 7 X	-8	* , 10-Ac
	18	749.4	-12.1	02	3.7	4	0.0						
	21	749.4	-17.0	04	4.6	4	0.0	8	02	10.0	0 3 X	-	8Ac
	24	749.6	-16.5	04	6.1	0	0.2						
JAN. 9	03	749.5	-17.7	03	5.1	7	-0.1						
	06	749.3	-17.5	04	6.7	7	-0.2						
	09	748.9	-16.0	04	8.1	6	-0.4						
	12	748.4	-15.3	04	8.0	8	-0.5	1	02	20.0	0 3 0	E	1Ac
	15	747.5	-14.3	03	4.9	7	-0.9	1	02	20.0	0 3 0	-	1Ac
	18	746.7	-14.0	01	3.1	7	-0.8						
	21	746.5	-18.0	03	5.2	6	-0.2	3	02	20.0	0 3 0	-	3Ac
	24	746.6	-21.9	03	6.2	2	0.1						
JAN. 10	03	746.5	-24.3	04	6.8	7	-0.1						
	06	746.3	-19.8	04	5.8	7	-0.2						
	09	745.9	-16.6	03	7.6	7	-0.4	10-	71	2.0	0 7 X	-8	* , 2Ac, 10-As
	12	745.7	-14.4	03	10.4	7	-0.2						
	15	745.2	-13.9	03	10.5	8	-0.5	9	02	3.0	0 3 1	E	9Ac, XCi
	18	744.3	-14.3	04	8.8	8	-0.9						
	21	743.2	-17.7	04	7.6	8	-1.1	0+	02	20.0	0 3 0	-	0+Ac
	24	742.1	-20.9	04	10.0	7	-1.1						

DATE (1983)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLCMCH	BS	PHENOMENA	
JAN.11	03	740.4	-22.7	04	11.0	7	-1.7							
	06	738.8	-21.0	04	11.6	7	-1.6							
	09	737.1	-18.0	04	11.6	7	-1.7	7	36	2.0	0 3 1	D	1Ac, 7Ci	
	12	734.6	-15.0	04	13.9	7	-2.5							
	15	733.2	-12.9	04	12.4	7	-1.4	4	36	1.5	0 3 1	D	0+Ac, 4Ci	
	18	732.1	-12.7	04	8.8	7	-1.1							
	21	732.0	-14.3	03	7.5	6	-0.1	9	02	3.0	0 3 X	E	9Ac	
24	732.9	-17.2	03	7.4	2	0.9								
JAN.12	03	733.6	-18.7	04	8.0	2	0.7							
	06	734.0	-16.5	04	9.0	0	0.4							
	09	734.1	-13.2	03	10.1	2	0.1	10	36	1.0	0 3 1	D	9Ac, 1Ci	
	12	734.6	-11.1	03	10.8	3	0.5							
	15	735.2	-9.2	02	10.2	2	0.6	7	02	5.0	0 3 2	E	1Ac, 4Ci, 3Cc	
	18	736.2	-9.8	03	8.2	3	1.0							
	21	737.1	-12.8	04	6.6	3	0.9	9	03	20.0	0 3 1	-	6Ac, 4Ci	
24	738.6	-15.6	04	6.9	2	1.5								
JAN.13	03	738.8	-14.6	04	12.0	0	0.2							
	06	738.8	-17.3	04	13.0	5	0.0							
	09	739.7	-16.4	04	15.1	3	0.9	4	39	0.1	0 0 1	A	4Ci	
	12	740.7	-12.6	04	12.8	2	1.0							
	15	741.0	-10.8	03	12.6	3	0.3	9	03	2.5	0 7 1	D	9Ac, 1Ci	
	18	741.5	-11.7	04	10.4	2	0.5							
	21	742.0	-14.2	04	10.1	3	0.5	9	02	5.0	0 3 1	E	9Ac, 1Ci	
24	742.7	-15.5	04	11.1	2	0.7								
JAN.14	03	743.0	-18.7	04	9.6	3	0.3							
	06	742.8	-18.0	04	8.8	8	-0.2							
	09	741.2	-16.0	04	13.5	5	-1.6							
	12	740.7	-13.1	04	13.7	8	-0.5	2	36	1.5	0 0 1	D	2Ci	
	15	741.2	-11.6	03	12.0	0	0.5	1	02	5.0	0 0 1	E	1Ci	
	18	741.8	-11.9	04	8.8	2	0.6							
	21	742.1	-15.8	04	8.1	1	0.3	0+	02	20.0	0 0 1	-	0+Ci	
24	742.5	-19.6	04	11.1	1	0.4								
JAN.15	03	742.4	-21.6	04	10.9	7	-0.1							
	06	742.1	-20.0	04	12.4	7	-0.3							
	09	742.1	-15.8	04	11.2	5	0.0	1	02	20.0	0 0 1	E	1Ci	
	12	742.0	-12.0	04	10.6	5	-0.1							
	15	742.2	-10.6	04	10.0	3	0.2	1	02	20.0	0 0 1	-	1Ci	
	18	742.7	-11.5	04	8.8	3	0.5							
	21	742.6	-14.9	04	11.1	8	-0.1	0	02	20.0	0 0 0	-		
24	743.7	-19.3	04	11.1	2	1.1								

DATE (1983)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	WW	V (km)	CLMCH	BS	PHENOMENA
JAN.16	03	744.3	-21.1	04	10.4	1	0.6						
	06	744.5	-20.7	04	9.4	2	0.2						
	09	744.2	-17.7	04	11.3	8	-0.3	0+	02	20.0	0 0 1	-	0+Ci
	12	744.2	-13.8	04	11.9	4	0.0						
	15	744.6	-12.8	03	8.2	3	0.4	0+	02	20.0	0 0 1	-	0+Ci
	18	744.4	-13.1	04	7.5	8	-0.2						
	21	744.2	-16.8	06	3.1	8	-0.2	0+	02	20.0	0 0 1	-	0+Ci
	24	744.2	-21.6	04	6.8	4	0.0						
JAN.17	03	743.3	-23.0	04	8.7	8	-0.9						
	06	741.7	-21.7	04	9.7	7	-1.6						
	09	740.4	-18.2	04	10.1	7	-1.3	0	02	20.0	0 0 0	-	
	12	739.1	-14.1	04	11.0	7	-1.3						
	15	738.0	-12.2	04	10.7	6	-1.1	0	02	20.0	0 0 0	E	
	18	737.8	-13.1	04	9.7	6	-0.2						
	21	738.2	-16.8	04	9.4	3	0.4	0	02	20.0	0 0 0	-	
	24	738.8	-20.7	04	10.8	3	0.6						
JAN.18	03	739.2	-22.6	04	11.4	3	0.4						
	06	739.6	-22.5	04	11.6	1	0.4						
	09	739.5	-19.6	04	11.8	7	-0.1	0	02	20.0	0 0 0	E	
	12	739.9	-16.8	04	11.8	2	0.4						
	15	740.6	-14.8	04	9.4	2	0.7	0	02	20.0	0 0 0	E	
	18	740.8	-14.9	04	8.4	2	0.2						
	21	741.2	-18.3	04	7.9	2	0.4	0	02	20.0	0 0 0	-	
	24	742.1	-22.3	04	8.5	2	0.9						
JAN.19	03	742.4	-24.6	04	9.8	2	0.3						
	06	742.4	-24.0	04	10.5	4	0.0						
	09	741.7	-21.1	04	12.1	8	-0.7	0+	02	20.0	0 0 1	-	0+Ci
	12	741.4	-18.4	04	11.8	7	-0.3						
	15	741.0	-16.4	04	10.3	7	-0.4	0+	02	20.0	0 0 1	-	0+Ci
	18	740.9	-16.5	04	9.1	5	-0.1						
	21	741.1	-19.7	04	8.2	2	0.2	0	02	20.0	0 0 0	-	
	24	741.3	-23.0	04	9.9	2	0.2						
JAN.20	03	741.6	-24.8	04	10.6	2	0.3						
	06	741.5	-23.8	04	10.6	7	-0.1						
	09	741.3	-20.0	04	11.6	7	-0.2	0+	02	20.0	0 0 1	E	0+Ci
	12	740.8	-17.4	04	11.5	7	-0.5						
	15	740.6	-15.9	04	12.0	6	-0.2	0	02	3.0	0 0 0	E	
	18	740.3	-16.2	04	10.0	7	-0.3						
	21	740.1	-20.3	04	6.7	6	-0.2	0	02	20.0	0 0 0	-	
	24	740.5	-23.2	04	8.4	3	0.4						

DATE (1983)	LT	PPP (PST) (mb)	TT (°C)	DD (16)	VV (m/s)	A	pp (mb)	N	MM	V (km)	CLCMCH	BS	PHENOMENA
JAN.21	03	740.8	-24.6	04	9.7	1	0.3						
	06	740.7	-23.5	04	10.4	7	-0.1						
	09	740.7	-19.8	04	10.2	4	0.0	3	02	20.0	0 3 1	E	1Ac, 2Ci
	12	740.8	-17.0	04	10.6	1	0.1						
	15	740.9	-15.6	04	9.7	2	0.1	1	02	20.0	0 3 1	-	1Ac, 0+Ci
	18	740.7	-15.6	04	5.4	8	-0.2						
	21	740.6	-19.5	04	6.5	7	-0.1	1	02	20.0	0 7 1	-	1Ac, 0+Ci
	24	740.6	-22.9	04	8.7	4	0.0						
JAN.22	03	740.5	-23.6	04	9.7	7	-0.1						
	06	740.0	-23.4	04	9.9	8	-0.5						
	09	740.0	-20.7	04	10.0	4	0.0	1	02	20.0	0 3 0	-	1Ac
	12	739.5	-17.7	04	8.9	7	-0.5						
	15	739.5	-16.1	04	7.6	4	0.0	1	02	20.0	0 3 1	-	1Ac, 0+Ci
	18	739.3	-16.8	03	6.3	7	-0.2						
	21	738.7	-20.5	04	5.1	8	-0.6	0+	01	20.0	0 3 0	-	0+Ac
	24	738.4	-24.6	X	X	7	-0.3						
JAN.23	03	738.3	-24.3	04	9.9	7	-0.1						
	06	738.5	-20.8	04	7.9	3	0.2						
	09	738.5	-17.8	04	10.4	4	0.0						
	12	739.3	-16.0	04	10.8	3	0.8	9	02	20.0	0 3 X	-	9Ac
	15	739.0	-15.9	04	10.0	8	-0.3	9	03	10.0	0 3 X	E	9Ac
	18	738.5	-15.8	04	9.9	8	-0.5						
	21	739.1	-16.7	03	8.1	3	0.6	10-	02	20.0	0 3 X	-	10-Ac
	24	740.0	-17.4	04	5.5	1	0.9						
JAN.24	03	740.7	-17.9	04	8.7	3	0.7						
	06	740.8	-19.6	04	7.8	1	0.1						
	09	740.8	-16.1	04	6.7	4	0.0	7	02	20.0	0 3 1	-	3Ac, 4Ci
	12	740.9	-13.8	03	8.9	3	0.1						
	15	740.5	-13.6	04	7.2	7	-0.4	6	02	20.0	0 3 2	-	0+Ac, 6Ci
	18	740.0	-13.9	04	6.0	8	-0.5						
	21	739.8	-18.3	04	5.3	8	-0.2	8	03	20.0	0 7 0	-	8Ac
	24	739.9	-17.9	04	4.9	3	0.1						