

III. SURFACE METEOROLOGICAL DATA

1. Meteorological Data in 1974 - 1975

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Surface meteorological observations were carried out four times a day during the traverses by JARE-15 in 1974 - 1975 (see Fig. A). The periods and routes of observation are shown in Table 1; the items of observation, instruments and accuracy are shown in Table 2.

Table 1. The periods and routes of observations.

Period	Route of traverse	Table No.
4 Oct. - 29 Nov.	Syowa Station→Mizuho Camp →I 600→Mizuho Camp	3
14 Dec. 1974 - 7 Jan. 1975	Mizuho Camp↔W 29	4
6 - 11 Feb. 1975	Mizuho Camp→S 16	5

Table 2. The items of observation, instruments and accuracy.

Item	Instrument	Accuracy
Wind speed	Portable cup anemometer	±0.5 m/s
Wind direction	Magnetic compass	±5 degree
Air temperature	Sling thermometer	±0.1 °C
Atmospheric pressure	Aneroid barometer	±0.1 mb

Methods and the accuracy of the instruments are almost the same as those described in Ageta and Fukushima (1972) and Kobayashi (1975).

Notations in Tables

G.M.T.	:	Greenwich mean time
St. No.	:	Station number
U	:	Wind speed at 1.5 m height
D	:	Wind direction (north; 360°) in true
p	:	Surface pressure
T	:	Air temperature

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N : Amount of cloud in tenths
 Nc : Amount and genus of individual cloud
 W : Present weather
 ○ : Clear (0; without any clouds)
 ⊙ : Fine
 ⊗ : Cloudy
 ✱ : Snow
 ✱↗ : Snow storm
 ↗ : Blowing snow
 ↘ : Drifting snow
 V : Visibility

References

- Ageta, Y. and Fukushima, Y. (1972): Surface meteorological data of the Mizuho Plateau-West Enderby Land area, East Antarctica, 1969 - 1971. JARE Data Rep., 17 (Glaciol.), 135 - 167.
 Kobayashi, S. (1975): Meteorological data. JARE Data Rep., 28 (Glaciol.), 83 - 113.

Table 3. Surface meteorological data along Routes S, H, Z, Y', I and J from 4 October of 29 November 1974.

Date	G.M.T.	St. No.	U (m/s)	D (deg.)	p (mb)	T (°C)	N	Ne	W	V (km)
Oct. 4	9	S 16	9	90	908.9	-14.2	2		○ ↗	20
	12	"	9	80	901.8	×	7		① ↗	20
5	16	S 25	10	75	867.5	×	5		① ↗	10
	6	"	7	75	871.9	-22.3	1		○ ↗	30
	9	H 25	3	60	851.1	×	1		○ ↗	30
6	12	H 64	2	30	840.2	×	2		○ ↗	30
	9	H 80	9	80	842.2	-19.0	5		① ↗	10
	12	"	10	76	833.2	-18.9	5		① ↗	10
7	15	H140	7	75	824.6	-23.8	3		① ↗	6
	6	"	9	80	821.1	-23.8	3		① ↗	10
	9	H180	2	70	806.4	-20.2	1		○ ↗	20
8	12	H210	3	70	798.1	-21.5	2		① ↗	10
	15	H228	3	90	792.1	-26.5	1		○ ↗	10
	6	"	3	85	790.2	-28.2	2		① ↗	10
9	9	H268	3	85	778.3	-25.7	2		① ↗	10
	12	H299	4	75	766.8	-26.5	1		○ ↗	10
	6	S122	12	66	760.9	-34.3	×		↗ ↗	0.2
10	9	Z 20	11	71	750.2	-31.2	×		↗ ↗	0.2
	12	Z 35	8	61	744.5	-30.4	8		① ↗	2
	15	Z 40	7	71	742.0	-33.2	7		① ↗	4
11	6	"	10	71	741.5	-31.9	8		⊙ ↗	1
	9	Z 65	10	80	738.2	-28.0	×		↗ ↗	0.6
	12	Z 81	7	70	734.0	-27.3	7		① ↗	1
12	15	Z 90	8	70	×	×	5		① ↗	1
	6	"	13	85	731.5	-29.2	10	×	↗ ↗	0.1
	9	MI ZUHO	12	90	732.4	-26.7	10	×	⊙ ↗	< 0.1
13	15	"	9	85	730.7	-30.2	9	2St, 5Ac, 2Cs	⊙ ↗	6
14	9	"	10	85	730.9	-30.3	8	3As, 5Cs	⊙ ↗	4
15	6	"	10	80	732.2	-31.3	2	1As, 1Cs	① ↗	2
	9	Y 12	8	80	726.7	-28.6	4	1As, 3Cs	① ↗	2
	12	Y 20	5	80	722.8	-28.8	3	1As, 2Cs	① ↗	2
16	15	Y 30	8	89	720.2	-30.2	6	1As, 4Cs, 1Cc	① ↗	2
	6	"	10	89	718.2	-36.2	0		○ ↗	1

Date	G.M.T.	St. No.	U (m / s)	D (deg.)	p (mb)	T (°C)	N	Nc	W	V (km)
Oct. 15	9	Y 40	9	79	713.2	-32.3	0		○ ↗	2
	12	Y 52	6	79	711.4	-31.2	1	1Ac	○ ↗	2
	15	Y 65	7	74	707.7	-35.6	4	3As, 1Cs	○ ↗	2
16	6	Y 65	10	79	709.8	-34.7	9	3As, 6Cs	⊙ ↗	1
	9	Y 78	9	78	706.1	-32.5	9	2As, 6Cs, 1Cc	⊙ ↗	1
	12	Y 88	9	78	704.8	-32.0	2	2Ac	① ↗	2
	15	Y100	×	83	701.8	-35.6	1	1Ac	○ ↗	2
17	9	"	8	78	704.1	-29.2	6	2St, 2Ac, 2As	① ↗	2
	12	"	6	78	704.2	-30.7	3	2As, 1Cs	① ↗	3
18	6	"	14	78	701.0	-30.3	×	×	↗	< 0.1
	9	"	14	78	700.9	-28.5	×	×	↗	< 0.1
19	9	"	12	88	708.5	-25.2	×	×	↗	< 0.1
	15	"	12	88	710.6	-29.7	×	×	↗	< 0.1
20	9	"	×	×	×	×	×	×	↗	< 0.1
21	9	"	×	×	×	×	×	×	↗	< 0.1
22	6	"	11	93	697.7	-36.5	9	6St, 3As	⊙ ↗	0.5
	9	Y115	11	93	693.3	-32.7	9	6St, 3As	⊙ ↗	0.5
	12	Y130	9	103	690.0	-32.2	9	3St, 6Ac	⊙ ↗	0.5
	15	Y140	10	103	687.3	-36.1	8	2St, 3As, 3Cs	① ↗	1
23	6	"	11	98	683.3	-39.2	4	3St, 1As	① ↗	0.5
	9	Y155	9	102	677.5	-34.8	3	3St	① ↗	0.5
	12	Y165	9	100	674.8	-34.6	1	1Ac	○ ↗	2
	15	Y175	7	100	673.1	-39.8	5	2Ac, 3Cs	① ↗	4
24	6	Y175	6	100	672.9	-40.3	4	3As, 1Cs	① ↗	1
	9	Y190	7	100	668.0	-33.0	7	2St, 2Ac, 3Cs	① ↗	0.6
	12	Y205	9	100	665.8	-34.1	5	2St, 1Ac, 2Cc	① ↗	1
	15	Y210	8	100	665.3	-39.5	5	2Ac, 3Cs	① ↗	0.5
25	6	"	8	100	667.6	-36.6	6	2St, 1Ac, 2Cs, 1Ci	① ↗	1
	9	"	8	100	668.1	-34.1	3	1Ac, 1As, 1Cs	① ↗	2
	12	"	8	100	668.3	-33.7	2	1Ac, 1Cs	① ↗	2
	15	"	7	100	668.9	-36.7	5	1Ac, 2Cc, 2Cs	① ↗	2
26	6	"	6	100	672.9	-36.2	3	2St, 1Ac	① ↗	3
	9	"	6	100	673.6	-34.6	1	1Ac	○ ↗	4

Date	G.M.T.	St.No.	U (m/s)	D (deg.)	p (mb)	T (°C)	N	Nc	W	V (km)
Oct. 26	12	Y210	5	100	674.5	-34.3	1	1Ac	○	6
	15	"	3	100	675.2	-34.0	0		○	6
27	6	"	8	100	677.5	-40.2	3	2Ac, 1Cc	① ↗	2
	9	1 13	7	111	677.3	-36.2	6	1Ac, 1As, 2Cs, 2Cc	① ↗	2
	12	1 24	7	108	677.5	-36.3	7	2Ac, 2Ci, 2Cs, 1Cc	◎	2
	15	1 35	6	111	674.0	-38.6	6	2St, 1As, 3Cs	①	4
28	6	"	7	101	674.5	-36.8	9	8St, 1As	◎ ↗	2
	9	1 55	5	111	672.0	-33.5	9	3St, 3As, 3Cs	①	4
	12	1 65	7	105	670.0	-35.0	2	1Cs, 1Ci	①	4
	15	1 75	6	105	669.5	-36.7	3	2As, 1Ci	①	3
29	6	"	10	120	672.0	-35.0	8	2St, 1As, 2Ci, 3Cs	◎ ↗	1
	9	1 90	7	125	670.6	-33.0	9	5St, 3As, 1Cc	◎ ↗	2
	12	1 105	9	125	668.0	-32.7	8	1St, 3As, 4Cs	◎ ↗	2
	15	1 115	9	125	666.7	-36.0	9	1St, 2Ac, 3Ci, 3Cs	◎ ↗	2
30	6	"	11	130	662.7	-35.4	9	1St, 4As, 4Cs	◎ ↗	2
	9	1 130	7	125	658.4	-32.6	9	1St, 4As, 4Ac	◎ ↗	2
	12	1 140	7	125	656.4	-33.7	7	4As, 1Ac, 2Cs	① ↗	3
	15	1 155	3	125	653.6	-37.7	2	1Ac, 1Cs	①	4
31	6	"	7	125	650.3	-43.0	2	1St, 1Cs	① ↗	4
	9	1 170	10	120	647.6	-40.2	8	3As, 2Ci, 3Cs	◎ ↗	2
	12	1 180	10	120	647.2	-39.5	9	4St, 5As	◎ ↗	1
	15	1 195	12	105	646.8	-40.0	×	×	↗	< 0.1
Nov. 1	6	1 195	4	95	652.0	-37.0	9	6St, 2Ac, 1Ci	◎ ↗	2
	9	1 210	7	90	650.8	-34.8	5	2St, 1As, 1Ac, 1Ci	① ↗	2
	12	1 220	7	105	651.4	-35.2	8	2As, 3Ci, 3Cs	◎ ↗	2
	15	1 235	3	125	648.9	-37.5	3	1Ac, 1Ci, 1Cs	①	4
2	9	"	5	125	645.1	-36.1	8	1As, 7Cs	◎ ↗	1
3	6	"	6	125	647.2	-36.7	4	2St, 1Ac, 1Cc	① ↗	2
	9	1 250	6	124	646.3	-35.2	8	5Ac, 3Ci	◎ ↗	1
	12	1 260	5	119	645.8	-34.1	8	3St, 5As	◎ *	1
	15	1 275	6	114	644.8	-36.4	8	2St, 1Ac, 2Ci, 3Cs	◎	2
4	6	"	7	119	644.3	-35.2	10	2St, 8As	◎ ↗	1
	9	1 290	7	104	642.1	-32.1	10	10St	*	0.3

Date	G.M.T.	St. No.	U (m/s)	D (deg.)	p (mb)	T (°C)	N	Nc	W	V (km)
Nov. 4	12	1310	5	99	640.2	-31.3	10	10 St	*	0.3
	15	1315	5	99	640.2	-32.0	10	10 St	*	0.3
5	6	"	4	104	640.1	-31.7	10	10 As	⊙	2
	9	1328	2	109	639.2	-28.0	10	10 As	⊙	2
	12	1340	2	114	638.8	-27.8	10	10 As	*	0.7
	15	1355	1	×	637.2	-30.8	10	10 As	*	0.7
	6	"	1	×	636.8	-38.8	10	10 As	⊙	4
6	9	1365	1	×	636.1	-29.9	3	2 As, 1 Cc	⊙	6
	12	1375	3	183	635.4	-32.0	2	1 As, 1 Cc	⊙	10
	15	1390	3	178	634.6	-36.6	1	1 Ci	⊙	10
	6	1393	6	158	633.9	-34.6	2	2 St	⊙	1
	9	1410	5	158	633.4	-32.2	2	2 St	⊙	4
7	12	1423	5	163	630.9	-33.4	0		⊙	20
	15	1435	4	163	630.3	-36.5	0		⊙	20
	6	1436	3	163	628.2	-37.7	3	1 Ac, 2 Ci	⊙	6
	9	1457	3	143	628.4	-34.8	2	1 Ac, 1 Ci	⊙	6
	12	1470	3	153	628.0	-35.8	3	2 Ac, 1 Ci	⊙	10
8	15	1480	2	142	627.0	-37.2	1	1 Ac	⊙	10
	6	1485	2	197	627.7	-35.3	7	2 As, 3 Ci, 2 Cs	⊙	30
	9	"	0	×	627.1	-36.7	7	2 As, 3 Ci, 2 Cs	⊙	30
9	6	"	3	172	626.3	-42.9	1	1 Ac	⊙	20
	9	1505	4	162	626.2	-36.2	6	1 Ac, 3 Ci, 2 Cs	⊙	6
	12	1515	3	162	625.0	-34.6	2	1 St, 1 Ac	⊙	20
	15	1540	2	162	625.0	-35.8	3	3 Cs	⊙ *	10
10	6	"	2	162	627.3	-44.0	7	3 As, 2 Ci, 2 Cs	⊙	6
	9	1560	0	×	627.1	-33.7	3	2 As, 1 Ci	⊙	10
	12	1570	0	×	627.2	-33.7	3	2 As, 1 Ci	⊙	50
	15	1590	0	×	627.9	-41.3	1	1 Ci	⊙	20
	7	1600	3	201	629.8	-41.0	2	2 Cs	⊙	20
11	9	"	2	201	629.6	-37.0	1	1 As	⊙	30
	6	"	2	191	628.8	-42.0	1	1 As	⊙	20
	9	1580	3	191	629.2	-33.8	2	2 As	⊙	20
12	12	1560	3	181	629.0	-33.7	2	1 As, 1 Ci	⊙	40

Date	G.M.T.	St. No.	U (m/s)	D (deg.)	p (mb)	T (°C)	N	Nc	W	V (km)
Nov. 13	15	1540	0	×	629.2	-38.2	1	1As	○	40
14	6	"	5	162	626.0	-40.2	2	2Cs	①	20
	9	1510	3	162	627.0	-31.7	6	1Ac, 5Cs	①	20
	12	1495	2	162	626.3	-31.9	9	2Ac, 5Cc, 1Cs, 1Ci	⊙	40
	15	1485	2	162	627.4	-35.2	8	1As, 4Ci, 3Cs	⊙	10
15	6	"	2	172	630.4	-38.7	5	5As	①	20
	9	1460	2	148	633.7	-32.4	1	1As	○	20
	12	1440	2	153	634.2	-30.0	1	1Ac	○	40
	15	1425	2	153	634.7	-33.8	1	1Ac	○	40
16	6	"	3	128	635.1	-35.2	4	1St, 2Cs, 1Ci	①	10
	9	1410	3	138	637.4	-32.2	9	3As, 4Cs, 2Ci	⊙	20
	12	1390	3	133	637.5	-31.6	7	2As, 5Cs,	①	20
	15	1370	3	133	638.5	-34.3	7	2As, 5Cs,	①	20
17	6	"	4	153	634.5	-35.0	7	2As, 3Cs, 2Cc	①	30
	9	J 10	4	134	634.3	-30.0	8	3As, 5Cs,	⊙	30
	12	J 30	5	134	634.8	-30.3	6	3As, 3Cs,	①	20
	15	J 45	3	154	634.8	-34.8	8	3As, 3Ci, 2Cs	⊙	20
18	6	"	4	154	633.5	-34.2	1	1Ci	○	20
	9	J 60	5	144	634.2	-30.0	2	2Cs	①	20
	12	J 76	5	144	635.7	-28.8	2	1As, 1Ci	①	20
	15	J 95	2	155	637.8	-32.5	2	1As, 1Cs	①	20
19	6	"	7	140	633.8	-34.0	2	2St	① ↗	2
	9	J 116	8	136	642.1	-30.0	3	3St	① ↗	2
	12	J 130	8	141	643.9	-29.5	1	1St	○ ↗	6
	15	J 145	8	141	645.5	-30.5	1	1St	○ ↗	6
20	6	"	10	131	645.5	-33.6	3	3St	① ↗	1
	9	J 160	12	126	648.2	-29.5	×		↗	0.6
	12	J 170	10	126	648.2	-29.1	×		↗	0.2
	15	J 180	8	126	649.3	-30.5	×		↗	0.4
21	9	"	7	116	648.7	-30.7	4	4St	① ↗	1
	12	J 200	9	116	655.2	-29.5	2	2St	① ↗	2
	15	J 210	7	107	657.2	-30.7	1	1St	○ ↗	6
	18	J 215	3	117	661.8	-30.7	1	1Ac	○	10

Data	G.M.T.	St. No.	U (m/s)	D (deg.)	p (mb)	T (°C)	N	Nc	W	V (km)
Nov. 22	9	J 225	11	107	662.9	-25.0	×		↕	0.6
	12	"	11	107	662.8	-24.7	×		↕	0.5
	15	"	5	107	663.0	-25.0	5	3As, 1Ac, 1Cc	① ↕	6
	18	"	1	107	663.1	-27.3	9	9Ac	①	10
23	9	"	5	107	669.2	-24.2	7	4As, 3Cs	①	10
	12	J 250	5	62	676.3	-21.7	9	9As	①	20
	15	J 263	4	87	683.0	-23.0	10	10As	① *	2
	18	J 275	2	98	686.8	-27.0	8	6As, 2Cs	① *	1
24	9	J 290	7	83	685.8	-24.8	6	2As, 1Ac, 3Cs	① ↕	4
	12	J 307	6	108	686.9	-24.5	8	5As, 1Ac, 2Cc	①	20
	15	J 318	3	118	693.5	-21.2	5	4As, 1Ci	①	20
	18	J 320	3	133	692.1	-25.0	1	1Ac	①	40
25	9	J 340	6	78	699.5	-25.0	1	1Ac	①	40
	12	J 350	5	83	701.5	-22.2	1	1Ac	①	60
	15	J 364	2	89	704.6	-21.7	2	2As	①	20
	18	"	2	109	710.7	-24.2	1	1As	①	40
26	9	"	2	94	715.0	-21.8	2	1As, 1Ac	①	40
	12	"	2	94	715.1	-22.0	2	1As, 1Ac	①	40
	15	"	2	119	713.8	-23.3	2	2As	①	40
	18	"	2	119	713.2	-28.0	1	1As	①	30
27	9	"	5	99	711.0	-22.2	0		①	40
	12	J 380	5	94	715.4	-22.0	0		①	40
	15	J 395	2	104	718.1	-21.8	0		①	40
	18	J 408	2	104	721.9	-23.5	1	1As	①	20
28	9	J 410	5	84	726.5	-21.3	1	1As	①	20
	12	J 430	5	84	733.0	-19.2	1	1As	①	20
	15	J 450	2	105	740.7	-19.2	1	1As	①	10
	18	J 460	2	100	742.1	-22.2	1	1As	①	10
29	9	J 463	9	100	741.0	-19.2	1	1Ac	① ↕	20
	12	J 480	9	100	745.6	-17.5	1	1St	① ↕	20
	15	MI ZUHO	9	100	746.0	-17.8	1	1St	① ↕	20

Table 4. Surface meteorological data along Route W from 14 December 1974 to 7 January 1975.

Date	G.M.T.	St. No.	U (m/s)	D (deg.)	P (mb)	T (°C)	N	Nc	W	V (km)
'74 Dec. 14	6	MI ZUHO	14	70	748.0	-18.0	×		↗	1
	9	W 370	13	95	743.4	-12.5	×		↗	1
	12	W 357	13	90	738.7	-11.1	×		↗	1
	15	W 340	13	85	734.7	-13.0	×		↗	1
15	18	W 330	10	85	731.9	-15.0	9	5As, 4Ac	⊙ ↗	3
	9	"	11	84	729.8	-12.8	6	5As, 1Cs	⊙ ↗	3
	12	W 315	10	99	729.2	-12.1	6	2As, 4Cs	⊙ ↗	3
	15	W 305	11	98	728.3	-15.1	4	2As, 2Cs	⊙ ↗	4
16	18	W 295	11	93	727.3	-19.2	2	2As,	⊙ ↗	5
	9	W 293	12	88	728.8	-15.2	0		○ ↗	5
	12	W 275	9	88	727.0	-14.1	0		○ ↗	20
	15	W 265	7	90	727.4	-15.9	0		○ ↗	20
17	18	W 255	4	108	729.9	-21.5	0		○ ↗	20
	9	"	4	118	726.6	-13.2	1	1Ac	○ ↗	30
	12	W 243	2	128	726.1	-13.0	1	1Ac	○ ↗	30
	15	"	0	×	726.8	-14.8	1	1Ac	○ ↗	20
18	18	W 225	2	210	726.3	-20.1	0		○ ↗	15
	9	"	10	103	723.8	-14.7	1	1Ac	○ ↗	5
	12	W 210	9	112	731.5	-16.5	4	4Ac	⊙ ↗	10
	15	W 205	6	122	733.8	-17.8	5	5Ac	⊙ ↗	15
19	18	W 55	3	157	736.0	-20.0	9	9Ac	⊙ ↗	2
	9	"	6	87	739.4	-15.7	6	3Ac, 2As, 1Cs	⊙ ↗	5
	15	"	3	122	739.9	-18.8	3	3Ac	⊙ ↗	20
	18	"	3	127	739.7	-21.5	3	2Ac, 1As	⊙ ↗	10
20	9	"	10	97	731.9	-13.2	7	7Ac	⊙ ↗	3
	12	"	9	62	731.9	-12.7	7	6Ac, 1Cs	⊙ ↗	2
	15	"	4	92	731.6	-13.9	10	5Ac, 5As	* ↗	0.5
	18	"	6	107	731.2	-16.6	10	10As	* ↗	0.2
21	9	"	11	67	730.3	-13.7	×		* ↗	0.1
	12	"	5	68	730.9	-13.0	×		* ↗	0.3
	15	"	5	63	732.3	-14.8	×		* ↗	0.3
	18	W 54	3	62	733.2	-16.3	×		* ↗	0.4
22	9	"	8	52	736.3	-13.7	10	10As	* ↗	0.4

Date	G.M.T.	St. No.	U (m / s)	D (deg.)	p (m b)	T (°C)	N	Nc	W	V (km)
'74 Dec.22	12	W 51	3	47	751.9	-11.7	10	10As	*	0.5
	15	W 49	2	32	756.3	-12.3	10	10As	*	1
	18	W 46	2	147	769.5	-17.4	5	2As, 1As, 2Cs	①	10
23	9	"	2	147	768.0	-11.5	9	9Cs	⊙	10
	12	W 41	6	112	772.6	-11.7	9	2Ac, 7Cs	⊙	10
	15	W 39	5	112	773.0	-13.4	8	1As, 7Cs	⊙	20
24	18	W 35	3	132	769.7	-20.2	7	2Ac, 5Cs	①	15
	9	"	5	72	770.2	-10.5	9	3Ac, 6As	⊙	3
	12	W 32	3	17	771.2	-8.3	9	9Ac	⊙	10
25	15	W 30	2	17	774.5	-7.7	7	7Ac	①	10
	10	W 29	3	45	770.1	-11.7	7	2As, 5Cs	①	30
	12	"	3	353	770.3	-11.2	7	5As, 2Cc	①	30
26	15	"	4	17	770.7	-12.7	9	9Ac	⊙	15
	18	"	1	×	771.7	-14.1	9	4As, 5Ac	⊙	10
	12	"	5	82	776.1	-12.6	9	9As	⊙ *	1
27	15	"	5	80	776.0	-14.1	9	9As	⊙	5
	18	"	3	87	776.1	-14.9	7	7Ac	①	15
	9	"	11	87	774.9	-11.1	1	1Ac	① ↗	20
28	18	W 32	4	117	777.0	-16.2	2	2Ac	①	20
	9	"	3	357	777.7	-7.5	1	1Ac	①	50
	12	"	0	×	777.8	-6.4	0		①	>70
29	15	"	0	×	777.9	-8.5	0		①	>70
	19	"	6	112	778.4	-13.5	0		① ↗	20
	9	"	3	50	780.0	-7.7	0		①	50
30	12	W 37	3	72	781.0	-6.5	0		①	50
	15	W 41	2	87	783.2	-8.9	1	1Ac	①	40
	18	W 44	0	×	779.1	-15.5	0		①	20
31	9	"	2	60	780.8	-8.8	2	2Ac	①	50
	12	W 46	4	82	778.7	-6.5	6	6Ac	①	40
	15	W 48	2	102	778.5	-10.2	6	3Ac, 3Cs	①	30
31	18	W 46	4	134	778.1	-14.3	4	1Ac, 3Cs	①	20
	9	"	10	100	774.3	-9.7	8	8Cs	⊙ ↗	5
	12	"	6	90	773.5	-8.4	5	1Ac, 4Cs	① ↗	30

Date	G.M.T.	St. No.	U (m/s)	D (deg.)	p (mb)	T (°C)	N	Nc	W	V (km)
'74 Dec. 31	15	W 46	5	90	772.8	-10.8	7	1Ac, 6Cs	①	30
	18	"	6	130	772.4	-13.2	6	1Ac, 5Cs	①	30
'75 Jan. 1	9	"	12	94	769.2	-11.2	1	1Ac	○ ↗	5
	12	W 45	9	92	762.0	-11.0	1	1As	○ ↗	20
	15	W 49	6	100	758.9	-12.9	3	3As	① ↗	30
	18	W 52	4	112	748.9	-18.3	3	2Ac, 1Cc	① ↗	25
2	9	"	7	57	747.8	-13.5	3	3Ac	① ↗	20
	12	W 55	6	107	745.1	-10.7	3	3Ac	①	40
	15	W200	6	102	745.4	-13.6	2	1Ac, 1Cs	○	40
	18	W215	5	112	736.6	-20.2	2	2Ac	○	30
3	9	"	8	97	733.7	-16.5	3	3Ac	① ↗	5
	12	W235	10	82	727.0	-15.6	6	2Ac, 4Cs	① ↗	10
	15	W250	6	97	724.5	-16.7	7	2Ac, 3Cs, 2Cc	① ↗	20
4	9	"	7	97	722.6	-16.5	7	1As, 5Cs, 1Cc	① ↗	30
	12	W280	8	97	722.0	-15.2	6	1As, 5Cs, 1Cc	① ↗	30
	15	"	7	97	722.0	-16.0	6	3Cs, 3Cc	① ↗	40
	18	"	4	87	722.2	-20.4	3	3Cs	① ↗	20
5	9	"	8	100	722.8	-16.7	1	1As	○ ↗	50
	12	"	6	100	722.7	-15.6	0		○	50
	15	"	×	×	×	×	0		○	30
	18	"	3	83	723.1	-21.0	0		○	20
6	9	"	8	88	724.0	-16.9	3	1As, 2Cs	① ↗	30
	12	W300	10	78	726.9	-15.1	3	1As, 2Cs	① ↗	30
	15	W320	7	75	730.0	-15.8	6	1As, 3Cs, 2Cc	① ↗	40
	18	W335	5	90	731.8	-15.6	6	6Cs	①	30
7	9	W345	10	90	734.9	-17.2	6	1As, 5Cs	① ↗	40
	12	W355	10	80	736.3	-15.5	3	3Cs	① ↗	50

Table 5. Surface meteorological data along Routes W and S from 6 to 11 February 1975.

Date	G.M.T.	St. No.	U (m/s)	D (deg.)	p (mb)	T (°C)	N	Nc	W	V (km)
'75 Feb. 6	6	Z 100	15	73	752.3	-19.2	0		○ ↗	0.5
	9	Z 80	15	74	753.6	-15.0	2	2Cc	① ↗	0.5
	12	Z 58	12	72	756.9	-11.6	4	4Cs	① ↗	0.7
	15	Z 34	17	70	763.0	-12.4	8	2As, 6Cs	① ↗	0.4
7	6	Z 24	20	75	764.5	-16.5	×		↗	0.1
	9	Z 12	15	117	769.9	-12.3	×		↗	0.2
	12	S 122	20	80	777.5	-12.0	×		↗	0.1
	15	S 117	15	60	783.6	-12.5	9	4St, 4As, 1Cs	◎ ↗	0.5
8	6	S 106	15	100	786.0	-15.4	3	3As	① ↗	0.4
	9	S 100	16	135	799.6	-13.2	3	3As	① ↗	0.5
	12	S 90	15	80	806.1	-9.9	2	2As	① ↗	0.7
	15	S 79	13	80	813.7	-12.0	3	3As	① ↗	0.7
9	6	S 70	16	100	820.5	-13.6	×		↗	0.3
	9	S 61	12	70	828.3	-10.7	3	1St, 2Ac	① ↗	0.7
	12	S 56	11	70	834.6	-9.6	2	1St, 1Ac	① ↗	3
	15	S 41	8	125	852.2	-9.5	2	2Ac	① ↗	30
10	6	S 35	8	63	861.8	-12.7	1	1Ac	○ ↗	30
	9	S 25	9	50	884.7	-8.5	1	1Ac	○ ↗	50
	12	S 17	4	35	917.1	-5.0	2	2Ac	①	50
	15	S 16	3	85	920.3	-2.5	2	2As	①	70
11	6	"	5	80	924.0	-8.2	10	10As	◎	30