

VIII. Surface Meteorological Data of the Mizuho Plateau-West Enderby Land Area, East Antarctica, 1969 - 1971

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1. Introduction

Surface meteorological observations in the Mizuho Plateau-West Enderby Land area were made as daily routine work by the traverse parties of JARE 10 and 11 along their traverse routes in 1969 - 1971 (see Fig. A attached to the end of this volume). The traverse parties of JARE 10 made the observations from September 5 to 25, 1969 (Table VIII-1) and from November 1, 1969 to January 29, 1970 (Table VIII-2), while those of JARE 11 from May 13 to 17, 1970 (Table VIII-3), from June 23 to August 6, 1970 (Table VIII-4) and from November 3, 1970 to January 22, 1971 (Table VIII-5).

2. Surface Meteorological Observations

Observers: Yutaka Ageta and Yasuo Fukushima

During the periods of the oversnow traverses, surface meteorological observations were carried out several times a day as a daily routine work: basically at 0900, 1500 and 2100 L.T. by JARE 10, and at 0900, 1200, 1500 and 2100 L.T. by JARE 11 (Local time minus 3 hours equals G.M.T.). Observations were made on air temperature, direction and speed of wind, atmospheric pressure, weather condition, type and amount of clouds and surface visibility. The data of the observations were sent to Syowa Station by radio once a day by the use of MOBIL code, then to World Meteorological Centres.

2.1. Air temperature

Air temperature was measured with calibrated alcoholic thermometers by JARE 10, and with an Assmann's aspiration psychrometer and

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a sling thermometer by JARE 11, at a height of about 1.5 m above the snow surface in the shade. The accuracy of the measurements was about ± 0.2 °C.

2.2. Speed and direction of wind

Speed and direction of wind were measured at 1.5 - 2.0 m above the snow surface by the use of a portable anemometer and a magnetic compass. The accuracy of the measurements of wind speed was about ± 1 m/s.

2.3. Atmospheric pressure

JARE 10 used a wide range barometer of Aneroid type for measuring atmospheric pressure during the traverses. The correction for instrumental error of the barometer was found to be -5 mb by checking it against the standard barometer at Syowa Station. The accuracy of a corrected value was about ± 2 mb.

JARE 11 used the same barometer during the oversnow traverses in 1970 - 1971. But, on November 17, 1970 on route of their summer traverse, it was found that the indication of the barometer was considerably lower than that of a barometer at Mizuho Camp, even though the barometer for the traverse was correct in comparison with the standard barometer at Syowa Station just before the start of the traverse. On the other hand, the indications of two other barometers of Thommen (Liechtenstein), smaller instruments than the regular one for the traverse and without calibration, showed a good agreement with that of the barometer at Mizuho Camp. Consequently, these two Thommen's barometers were used for measuring the atmospheric pressure since 2100 L.T., November 23, 1970, at Station Y100. This is the reason of an abrupt increase in the value of atmospheric pressure value from 1500 L.T. to 2100 L.T. recorded on November 23, 1970, at Station Y100, in Table VIII-5. The accuracy of a pressure observation after 2100 L.T. on November 23, 1970 is supposed to be about ± 2 mb. But, the accuracy of an observed value from 1200 L.T. on November 3, 1970, to 1500 L.T. on November 23, 1970, which is in parentheses in Table VIII-5, is unknown, since the observer could not confirm the exact time when the regular barometer for the traverse got out of order during that period of the traverse.

3. Report

Analyses and discussions on weather conditions in the area of Mizuho Plateau were given in the following report.

Ageta, Y. (1971): Some aspects of the weather conditions in the vicinity of Mizuho Plateau, East Antarctica. Antarctic Rec., 41, 42-61 (in Japanese with English abstract).

4. Notes for the Tables

- Local Time: Local standard time at Syowa Station ($69^{\circ}00'S$, $39^{\circ}35'E$)
(L.T.) (G. M. T. +3 hours)
- v: Wind velocity
- d: Wind direction (north: 360° , east: 90° , south: 180° , west: 270°)
- P: Pressure at the surface of the ice sheet. (Correction was made only for an instrumental error mentioned in section 2.3. In Table VIII-5, the pressure values of unknown accuracy are in parentheses.)
- T: Air temperature
- N: Amount of cloud
- C_L , C_M , C_H : Genus of cloud (WMO code)
- NC: Amount and genus of an individual cloud
- w: Present weather
- Clear ($\overline{\quad}$ without any clouds)
 - ① Fine
 - Ⓜ Cloudy (High clouds are predominant.)
 - ⊗ Cloudy (Middle clouds are predominant.)
 - ⊙ Cloudy (Low clouds are predominant.)
 - ($\overline{\text{Ⓜ}}$ $\overline{\text{⊗}}$ $\overline{\text{⊙}}$ The clouds cover the whole sky.)
 - * Snow
 - *↕ Snow storm
 - ↔ Ice prisms
 - ↗ Blowing snow
 - ↘ Drifting snow
- V: Visibility

Table VIII-1. Surface meteorological data along the JARE traverse route from September 5 to 25, 1969.

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
1969 Sept 5	15	S 16	69° 02'	40° 03'	553	4	60°	905.0	-20.0	10	0	9	×	8As, 2As	✕	33
	21	20	69 02	40 12	653	6	80	895.0	-27.9	2	×	×	×	×	○	×
6	9	"	"	"	"	7	70	896.0	-25.6	10	0	1	×	10As	✕	0.06
	15	"	"	"	"	17	90	893.0	-23.0	10	0	1	×	10As	✕	0.05
	21	"	"	"	"	17	70	889.6	-23.5	2	×	×	×	×	○	0.1
7	9	"	"	"	"	13	50	889.6	-22.2	10	0	2	×	10As	✕	0.05
	15	24	69 02	40 24	811	14	80	865.3	-25.3	8	5	0	4	1Sc, 7Ci	⊕	0.1
	21	29	69 03	40 38	935	18	90	836.1	-17.2	10	×	×	×	×	✕	0.1
8	9	"	"	"	"	16	30	852.1	-27.2	10	×	×	×	×	✕	0.03
	15	"	"	"	"	11	50	862.5	-26.5	10	0	1	×	10As	✕	0.1
	21	"	"	"	"	8	60	865.5	-29.6	1	×	×	×	×	○	×
9	9	30	69 03	40 40	961	10	90	860.5	-29.1	2	0	2	4	1As, 1Ci	⊕	0.3
	15	41	69 05	41 10	1124	8	100	840.2	-28.6	2	0	2	4	1As, 2Ci	○	1
	21	46	69 04	41 24	1188	7	110	831.8	-31.6	1	×	×	×	×	○	×
10	9	50	69 04	41 35	1215	5	130	827.1	-32.8	9	0	7	4	2Ac, 8Ci	⊕	30
	15	67	69 06	42 21	1363	3	120	811.0	-30.8	8	0	2	1	2As, 7Ci	⊕	40
	21	70	69 07	42 29	1388	3	90	808.2	-38.6	1	0	7	0	1Ac	○	×
11	9	71	69 08	42 29	1403	2	100	808.6	-39.3	1	0	1	0	1As	○	50
	15	88	69 26	42 41	1543	7	60	796.0	-35.2	8	0	2	6	1As, 8Cs	⊕	10
	21	92	69 30	42 43	1568	9	60	790.7	-31.1	9	0	2	6	1As, 9Cs	⊕	×

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Sept. 12	9	S 92	69° 30'	42° 43'	1568	18	80°	784.0	-23.3	10	×	×	×	×	✕→	0.03
	15	"	"	"	"	19	60	782.1	-20.4	10	×	×	×	×	✕→	0.02
	21	"	"	"	"	17	70	783.9	-19.7	10	×	×	×	×	✕→	×
13	9	"	"	"	"	13	50	789.7	-21.2	10	0	2	7	4As, 3Ci, 9Cs	⊕→	0.2
	15	97	69 35	42 48	1605	10	50	789.2	-22.4	10	0	7	×	10Ac	⊗	2
	21	102	69 40	42 51	1636	2	100	787.2	-25.6	4	×	×	×	×	⊕	×
14	9	106	69 44	42 54	1660	9	160	785.6	-29.8	1	0	7	0	1Ac	○	5
	15	121	70 00	43 05	1850	10	80	767.1	-30.3	8	0	7	6	2Ac, 7Cs	⊕	6
	21	120	69 59	43 04	1845	11	90	765.0	-36.0	1	×	×	×	×	○	×
15	9	122	70 01	43 06	1853	11	80	760.3	-38.0	8	0	0	4	8Ci	⊕	1
	15	129	70 08	43 06	1900	8	80	756.3	-35.4	6	0	0	1	6Ci	⊕	50
	21	135	70 15	43 06	1909	13	90	755.3	-39.0	2	×	×	×	×	○	×
16	9	"	"	"	"	14	70	753.0	-39.3	1	0	2	0	1As	⊕→	0.1
	15	141	70 21	43 06	1944	12	80	750.0	-38.9	1	0	0	4	1Ci	⊕→	0.2
	21	147	70 27	43 06	1954	10	90	750.3	-45.0	1	0	7	0	1Ac	⊕→	×
17	9	151	70 31	43 05	1975	11	80	751.8	-44.5	1	×	×	×	×	⊕→	0.2
	15	162	70 42	43 06	2020	9	90	749.6	-41.0	6	0	0	4	3Cc, 3Ci	⊕→	0.5
	21	166	70 46	43 07	2027	10	90	749.0	-44.2	2	×	×	×	×	○	×
18	9	169	70 49	43 07	2035	9	80	749.9	-43.0	9	0	2	4	1As, 8Ci	⊕	0.5
	15	170	70 50	43 07	2034	6	90	752.2	-35.9	10	0	2	×	10As	⊗	3

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Sept.18	21	S170	70° 50'	43° 07'	2034	7	90°	752.2	-38.8	10	0	0	7	10Cs	⊕	×
19	9	"	"	"	"	9	90	751.7	-38.4	10	0	0	7	10Cs	⊕	0.3
	15	"	"	"	"	7	100	752.0	-36.2	4	0	1	1	1As, 3Ci	⊕	5
	21	"	"	"	"	9	110	752.0	-40.2	10	0	2	6	1As, 2Ci, 7Cs	⊕	×
20	9	168	70 48	"	2026	11	90	751.4	-35.6	10	0	0	1	10Ci	⊕↗	1
	15	149	70 29	43 06	1953	12	90	757.8	-33.2	9	0	7	2	5Ac, 1As, 7Ci	⊗↗	1
	21	139	70 19	43 06	1925	9	90	759.3	-39.4	1	0	2	0	1As	○	×
21	9	129	70 08	43 06	1900	10	80	757.2	-38.6	1	0	3	0	1Ac	○	30
	15	120	69 59	43 04	1845	6	70	760.7	-33.8	1	0	7	0	1AcAs	○	>70
	21	109	69 48	42 56	1690	4	80	775.2	-38.7	1	0	7	0	1Ac	○	×
22	9	99	69 37	42 49	1618	6	90	780.3	-37.6	1	0	7	0	1Ac	○	>70
	15	82	69 19	42 36	1489	5	90	792.2	-33.4	1	0	7	0	1Ac	○	50
	21	70	69 07	42 29	1388	13	60	801.6	-34.9	1	0	7	0	1Ac	○	×
23	9	"	"	"	"	15	70	798.6	-26.6	10	0	2	×	10As	×↗	0.05
	15	"	"	"	"	13	60	798.6	-24.3	10	0	2	×	10As	×↗	0.05
	21	"	"	"	"	11	70	800.6	-25.6	10	0	0	7	10Cs	⊕	×
24	9	61	69 05	42 04	1335	11	80	812.0	-24.5	10	0	2	7	3As, 10Cs	⊕↗	0.1
	15	39	69 05	41 05	1099	5	80	843.3	-23.3	3	0	7	2	1Ac, 2Ci	⊕	40
	21	27	69 02	40 32	893	5	110	870.7	-30.0	1	0	7	0	1Ac	○	50
25	9	17	69 02	40 04	583	5	90	909.4	-27.8	1	0	3	0	1Ac	○	>70

Table VIII-2. Surface meteorological data along the JARE traverse route from November 1, 1969 to January 29, 1970.

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)	
1969 Nov.	1	15	S 17	69°02'	40°04'	583	4	60°	913.2	-9.9	1	0	3	0	1Ac	○	>70
		21	22	69 02	40 18	743	7	70	892.0	-16.1	0	0	0	0	-	○	>70
2	9	"	"	"	"	"	10	70	891.3	-11.3	1	0	5	0	1Ac	○	>70
	15	31	69 03	40 43	981	7	60	864.2	-10.3	1	0	3	0	1Ac	○	>70	
3	21	40	69 05	41 07	1112	5	70	850.8	-14.8	9	5	×	×	9Sc	⊙	30	
	9	"	"	"	"	"	8	70	850.6	-12.1	10	0	7	×	10Ac	×	3
4	15	"	"	"	"	"	10	40	851.5	-11.8	10	0	2	×	10As	✱↑	0.15
	21	"	"	"	"	"	3	80	853.0	-16.3	10	0	2	×	10As	×	5
5	9	"	"	"	"	"	13	80	851.4	-11.9	10	0	7	×	10AcAs	⊗↑	0.2
	15	"	"	"	"	"	12	70	850.4	-12.1	9	0	7	2	5AcAs, 9Ci	⊗↑	0.5
6	21	"	"	"	"	"	15	70	849.0	-14.2	10	0	2	×	10As	✱↑	0.1
	9	"	"	"	"	"	18	80	849.2	-11.8	10	×	×	×	×	✱↑	0.05
7	15	"	"	"	"	"	19	60	849.6	-9.8	10	×	×	×	×	✱↑	0.03
	21	"	"	"	"	"	14	60	852.0	-10.6	10	×	×	×	×	✱↑	0.1
8	9	"	"	"	"	"	11	80	856.2	-7.8	10	0	2	×	10As, 1Ac	⊗↑	1
	15	"	"	"	"	"	9	90	856.5	-6.8	10	0	2	×	10As, 1Ac	⊗↑	4
9	21	49	69 04	41 32	1208	15	90	846.0	-13.1	10	0	9	×	10AsAc	⊗↑	1	
	9	50	69 04	41 35	1215	16	90	845.1	-12.8	3	0	0	1	3Ci	⊗↑	0.3	
10	15	59	69 04	41 59	1307	14	100	836.1	-11.2	4	0	0	1	4Ci	⊗↑	1	
	21	70	69 07	42 29	1388	12	110	827.1	-17.9	3	0	7	1	1Ac, 3Ci	⊗↑	1.5	
11	9	"	"	"	"	"	13	110	827.0	-18.2	1	0	0	1	1Ci	○	50
	15	77	69 14	42 33	1451	12	100	819.9	-14.4	2	0	3	4	1Ac, 1Ci	○	>70	
	21	80	69 17	42 35	1473	9	100	818.0	-21.0	7	0	7	4	3Ac, 7Ci	⊙	>70	

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Nov. 9	9	S 80	69° 17'	42° 35'	1473	9	90°	816.0	-19.6	4	0	3	1	1Ac, 3Ci	⊙	>70
	15	89	69 27	42 41	1551	5	90	808.6	-15.2	6	0	3	4	1Ac, 6Ci	⊙	>70
	21	100	69 38	42 50	1630	4	90	798.6	-25.0	7	0	7	4	2Ac, 6Ci	⊙	>70
10	9	"	"	"	"	1	80	795.0	-17.9	6	0	7	1	1Ac, 5Ci	⊙	>70
	15	"	"	"	"	Calm		793.8	-15.8	5	0	3	9	1Ac, 4Cc	⊙	>70
	21	"	"	"	"	Calm		791.7	-22.2	8	0	7	×	8Ac	⊗	40
11	9	"	"	"	"	9	90	788.8	-23.8	0	0	0	0	-	○	>70
	15	110	69 48	42 56	1696	10	90	782.0	-21.1	1	0	3	0	1Ac	○	30
	21	120	69 59	43 04	1845	13	90	767.8	-27.8	1	0	3	0	1Ac	⊙	>70
12	9	"	"	"	"	13	80	766.0	-26.5	1	0	3	0	1Ac	⊙	1
	15	126	70 05	43 07	1883	15	80	763.5	-23.3	1	0	3	0	1Ac	⊙	0.5
	21	140	70 20	43 06	1934	11	90	758.8	-27.7	1	0	7	0	1Ac	⊙	4
13	9	"	"	"	"	13	90	757.2	-23.1	10	0	0	7	10Cs	⊙	0.05
	15	148	70 28	43 06	1952	12	90	755.8	-20.0	10	0	3	7	8Ac, 10Cs	⊗	0.6
	21	160	70 40	43 06	2008	9	90	750.5	-24.6	10	0	7	7	8As, Cs	⊗	10
14	9	"	"	"	"	8	90	750.0	-24.6	10	0	0	6	10Ci, 4Cs	⊙	2
	15	"	"	"	"	8	70	749.7	-21.8	5	0	0	1	5Ci	⊙	>70
	21	"	"	"	"	2	90	752.0	-27.9	1	0	3	1	1Ac, 1Ci	○	>70
15	9	"	"	"	"	5	80	754.9	-19.6	10	0	2	×	10As	⊗	5
	15	168	70 48	43 07	2026	4	90	754.5	-17.2	10	0	7	×	10Ac	⊗	50
	21	170	70 50	43 07	2034	1	70	754.0	-28.1	4	0	7	1	1Ac, 3Ci	⊙	>70
16	9	170	70 50	43 07	2034	5	80	753.2	-24.8	1	0	3	0	1Ac	○	>70
	15	180	70 59	42 57	2075	3	30	752.7	-19.7	9	0	7	×	9Ac	×	40
	21	186	71 05	42 58	2150	2	80	744.0	-23.1	10	0	2	×	10As	×	15

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Nov. 17	9	S 186	71°05'	42°58'	2150	7	70°	747.3	-24.3	5	0	3	1	2Ac, 3Ci	⊙	30
	15	194	71 13	42 59	2211	3	20	742.7	-19.1	10	0	7	×	10Ac	×	10
	21	200	71 19	43 00	2261	4	80	738.2	-26.7	10	0	7	×	10Ac	×	30
18	9	"	"	"	"	4	90	740.3	-22.2	10	0	2	×	10As	×	10
	15	"	"	"	"	8	40	741.1	-21.5	10	0	7	×	10Ac	×	5
	21	"	"	"	"	3	60	741.2	-23.2	10	0	7	×	10AsAc	×	15
19	9	"	"	"	"	8	70	739.6	-21.0	6	0	7	4	3Ac, 2Ci, 1Cc	⊙	5
	15	208	71 28	43 02	2315	10	80	736.0	-19.2	10	0	2	×	10As	×	1
	22	216	71 36	43 04	2377	5	90	729.4	-22.8	10	0	2	×	10As	×	10
20	9	"	"	"	"	6	90	726.1	-18.0	10	0	2	×	10As, 1Ac	⊗	10
	15	224	71 44	43 05	2453	9	70	718.5	-17.0	10	0	2	×	10As	×	4
	22	233	71 53	43 07	2522	9	90	711.1	-23.0	10	0	7	×	10AsAc	⊗→	4
21	9	"	"	"	"	13	90	708.3	-24.4	9	0	3	1	1Ac, 8Ci	⊙→	0.3
	15	240	72 00	43 10	2591	15	80	702.3	-21.9	8	0	4	6	2Ac, 2Ci, 4Cs	⊙→	0.1
	21	"	"	"	"	13	120	702.3	-25.0	10	0	7	7	3Ac, 3Ci, 10Cs	⊙→	0.2
22	9	"	"	"	"	14	90	702.1	-18.7	10	×	×	×	×	×→	0.05
	15	"	"	"	"	14	80	702.9	-18.4	10	0	2	×	10As	×→	0.05
	21	"	"	"	"	11	90	704.7	-22.7	10	0	7	×	10AsAc	⊗→	1
23	9	"	"	"	"	12	90	706.4	-23.0	7	0	3	1	1Ac, 6Ci	⊙→	1
	15	"	"	"	"	10	80	707.0	-18.8	8	0	3	6	3Ac, 7Cs	⊙	20
	21	"	"	"	"	9	110	708.0	-23.3	8	0	7	9	4Ac, 4Cc, 1Ci	⊙	>70
24	9	"	"	"	"	7	80	707.5	-20.2	10	0	7	×	10Ac	×	1
	15	"	"	"	"	5	80	707.3	-17.8	8	0	3	6	1Ac, 8Ci, 5Cs	⊙↔	10

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	CL	CM	CH	NC	w	V (km)
Nov. 24	22	A 159	72° 01'	43° 01'	2585	5	120 ⁰	706.0	-24.0	9	0	7	6	2Ac, 6Cs, 7Ci	⊕	30
25	9	162	72 00	43 07	2585	12	110	705.5	-25.1	1	0	3	0	1Ac	⊕	30
	15	159	72 01	43 01	2585	10	110	705.3	-23.0	0	0	0	0	—	⊕	>70
	21	155	72 01	42 52	2572	5	120	707.4	-28.0	1	0	0	1	1Ci	○	>70
26	9	153	71 59	42 48	2532	6	120	711.3	-26.3	0	0	0	0	—	○	>70
	15	152	71 59	42 44	2543	7	110	711.1	-23.2	1	0	3	2	1AcCi	○	>70
	21	148	72 00	42 36	2553	4	120	710.5	-27.8	1	0	0	2	1Ci	○	>70
27	9	147	71 58	42 37	2535	10	130	708.5	-28.0	1	0	3	0	1Ac	⊕	>70
	15	"	"	"	"	11	130	706.8	-23.2	1	0	3	0	1Ac	⊕	>70
	21	"	"	"	"	10	130	705.6	-29.0	0	0	0	0	—	⊕	>70
28	9	"	"	"	"	11	120	704.3	-26.7	1	0	3	0	1Ac	⊕	>70
	15	148	72 00	42 36	2553	11	120	703.1	-22.0	1	0	0	0	1Ac	⊕	>70
	21	144	71 59	42 29	2535	5	130	706.0	-26.0	0	0	0	0	—	○	>70
29	15	"	"	"	"	5	100	707.1	-22.6	0	0	0	0	—	○	>70
	21	138	72 00	42 15	2498	3	130	712.1	-27.8	0	0	0	0	—	○	>70
30	3	135	72 00	42 11	2508	6	130	711.5	-33.0	0	0	0	0	—	○	>70
	15	134	72 00	42 08	2509	5	120	711.0	-25.0	1	0	3	0	1Ac	○	>70
	21	130	72 01	41 57	2526	2	150	710.4	-29.8	0	0	0	0	—	○	>70
Dec. 1	3	127	72 00	41 47	2534	4	140	711.0	-35.0	0	0	0	0	—	○	>70
	15	126	72 01	41 47	2544	3	130	711.1	-24.0	0	0	0	0	—	○	>70
	21	118	72 01	41 26	2527	4	130	713.1	-29.4	1	0	7	0	1Ac	○	>70
2	3	117	72 00	41 27	2509	6	100	715.7	-29.3	9	0	7	×	9AsAc	⊗	15
	15	116	72 01	41 23	2520	8	90	714.9	-21.5	1	0	3	0	1Ac	○	>70

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Dec. 2	21	A 110	72° 00'	41° 13'	2498	5	100°	717.5	-24.0	1	0	3	4	1AcCi	○	>70
	3	107	71 59	41 04	2479	7	110	719.5	-27.8	5	0	7	4	2Ac, 3Ci	⊕	>70
	15	106	71 59	41 01	2482	3	80	720.4	-16.7	9	0	5	×	9Ac	×	30
	21	100	71 59	40 43	2478	1	130	720.7	-20.0	9	0	7	×	9Ac	×	20
4	00	099	71 58	40 38	2461	4	110	721.6	-24.8	9	0	7	2	3Ac, 6Ci	⊕	×
	3	"	"	"	"	7	100	720.9	-25.4	6	0	7	2	3Ac, 1Cc, 2Ci	⊕↔	40
	15	100	71 59	40 43	2478	8	90	717.1	-18.6	9	0	3	4	1Ac, 8Ci, 1Cc	⊕	20
	21	096	71 58	40 27	2461	7	100	717.1	-21.7	10	0	7	4	4Ac, 6Ci	⊕	30
5	3	093	71 56	40 15	2416	12	90	720.9	-24.2	10	0	2	7	4As, 8Ci, 10Cs	×↑	0.5
	15	"	"	"	"	8	80	720.4	-18.7	10	0	2	7	4As, 8Ci, 10Cs	×	1
	21	"	"	"	"	6	80	722.4	-21.6	9	0	7	6	3Ac, 7Ci, 4Cs	⊕	30
6	3	"	"	"	"	5	90	724.6	-21.1	10	0	2	×	10As	×	0.1
	15	"	"	"	"	10	100	727.2	-18.8	1	0	3	1	1AcCi	○↑	0.7
	21	092	71 58	40 16	2459	9	110	724.8	-22.8	1	0	3	0	1Ac	○	>70
7	3	089	71 57	40 03	2427	8	100	730.2	-27.5	1	0	7	0	1Ac	○↓	50
	15	"	"	"	"	9	100	733.0	-18.6	2	0	3	2	1Ac, 1Ci	○↓	40
	21	084	71 58	39 48	2447	8	110	731.5	-22.3	1	0	7	0	1Ac	○	>70
8	3	087	71 57	39 57	2435	11	110	732.9	-25.3	7	0	7	4	2Ac, 5Ci	⊕↓	10
	15	"	"	"	"	11	80	730.9	-14.8	10	0	2	×	10As	×↑	0.1
	21	"	"	"	"	11	90	729.8	-16.8	10	0	2	×	10As	×↑	0.05
9	3	"	"	"	"	9	90	729.6	-17.8	10	0	2	×	10As	×	0.05
	15	"	"	"	"	5	80	729.1	-11.4	10	0	2	×	10As	×	5
	22	"	"	"	"	3	80	730.1	-13.8	10	0	2	×	10As	×	5

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	CL	CM	CH	NC	w	V (km)
Dec. 10	3	A 087	71° 57'	39° 57'	2435	6	80°	731.0	-15.6	10	0	7	×	10As, 1Ac	×	5
	15	084	71 58	39 48	2447	4	70	731.4	-12.0	3	0	7	1	1Ac, 2Ci	⊕	50
	21	078	71 57	39 32	2432	1	50	732.4	-12.8	9	0	7	×	9Ac	×	15
11	3	075	71 55	39 24	2411	1	120	734.3	-15.8	10	0	7	×	10Ac	×	5
	15	076	71 57	39 28	2425	12	120	729.1	-13.0	2	0	4	0	2Ac	⊕↕	2
	21	075	71 55	39 24	2411	13	120	728.0	-19.3	1	0	3	0	1Ac	⊕↕	0.05
12	3	"	"	"	"	11	110	725.7	-24.0	1	0	3	0	1Ac	⊕↕	>70
	15	"	"	"	"	9	100	723.4	-16.9	6	0	0	4	6Ci	⊕	>70
	21	"	"	"	"	5	120	724.0	-20.4	7	0	0	4	7Ci	⊕	>70
13	3	"	"	"	"	5	120	724.3	-26.8	10	0	7	6	1Ac, 2Cs, 7Ci	⊕	50
	15	074	71 56	39 21	2420	3	60	724.1	-15.6	9	0	7	1	8Ac, 1Ci	⊗	50
	21	068	71 56	39 06	2421	1	70	724.2	-17.8	7	0	7	×	7Ac	⊕	30
14	3	065	71 54	38 57	2383	3	100	728.5	-22.3	9	0	7	×	9Ac	⊗	15
	15	064	71 56	38 52	2407	2	100	728.6	-14.6	9	0	7	×	9Ac	⊗	10
	21	060	71 55	38 39	2403	2	100	730.3	-20.6	8	0	7	×	8Ac	⊗	30
15	3	057	71 54	38 29	2398	3	90	732.8	-20.0	10	0	7	×	10AcAsNs	×	10
	15	056	71 56	38 24	2412	4	100	732.5	-16.0	7	0	7	4	1Ac, 6Ci	⊕	50
	21	052	71 56	38 12	2424	2	140	730.4	-21.1	2	0	7	1	1Ac, 2Ci	⊕	>70
16	3	049	71 54	37 59	2411	6	120	730.3	-26.1	2	0	7	1	1Ac, 2Ci	○	>70
	15	048	71 55	37 54	2413	6	100	727.6	-18.1	7	0	8	1	7Ac, 1Ci	⊕	30
	21	042	71 55	37 34	2412	2	140	725.2	-22.1	1	0	7	1	1AcCi	○	>70
17	3	039	71 54	37 20	2419	7	120	724.0	-27.3	1	0	7	0	1Ac	○	>70
	15	040	71 55	37 24	2424	4	70	725.5	-15.8	10	0	7	×	10Ac	×	10

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Dec. 17	21	A 036	71° 54'	37° 12'	2430	3	110°	726.5	-18.0	9	0	7	×	9Ac	×	15
18	3	031	71 52	37 03	2411	5	100	730.2	-20.0	9	0	7	×	9Ac	×	20
	15	028	71 52	36 55	2396	5	80	731.9	-14.6	9	0	7	×	9Ac	×	15
	21	025	71 51	36 48	2377	3	100	734.0	-17.3	9	0	7	×	9Ac	⊗	20
19	3	"	"	"	"	4	80	734.6	-19.6	10	0	2	×	10As	×	5
	15	"	"	"	"	9	80	735.4	-13.1	9	0	8	×	9Ac	⊗↓	5
	21	020	71 51	36 36	2388	7	90	734.6	-16.1	9	0	7	×	9Ac	⊗	40
20	3	"	"	"	"	8	80	734.9	-18.4	10	0	2	×	10As	×	5
	15	"	"	"	"	8	60	734.0	-14.2	10	0	7	×	10Ac	×	5
21	00	"	"	"	"	6	130	732.2	-18.7	9	0	7	×	9Ac	⊗	15
	3	"	"	"	"	7	130	731.2	-21.2	7	0	7	×	7Ac	⊗↓	20
	15	017	71 53	36 27	2375	3	70	734.0	-15.3	2	0	8	0	2Ac	○	50
	21	015	71 52	36 23	2352	1	120	737.2	-16.1	3	0	8	0	3Ac	⊙	50
22	3	014	71 51	36 22	2350	7	120	738.7	-21.7	1	0	7	0	1Ac	○	40
	15	"	"	"	"	5	60	739.7	-14.8	9	0	7	×	9Ac	×	8
	21	"	"	"	"	5	80	739.3	-15.7	9	0	7	×	9Ac	×	15
23	3	"	"	"	"	8	90	738.4	-17.5	9	0	7	×	9Ac	×	15
	15	"	"	"	"	14	110	736.4	-16.5	0	0	0	0	—	⊙↑	1
	21	—	71 50	35 55	—	10	100	741.4	-17.3	1	0	0	1	1Ci	⊙↓	>70
24	3	014	71 51	36 22	2350	9	100	737.1	-22.5	2	0	7	4	1Ac, 2Ci	⊙↓	50
	15	"	"	"	"	17	90	738.0	-16.3	×	×	×	×	×	↑	0.2
	21	"	"	"	"	15	100	738.0	-18.4	6	0	7	6	1Ac, 5CiCs	⊙↑	10
25	3	"	"	"	"	15	100	737.7	-20.8	7	0	8	1	6Ac, 1Ci	⊙↑	5

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)	
Dec. 25	15	A 014	71° 51'	36° 22'	2350	20	100°	736.2	-15.0	0	0	0	0	—	○↕	0.1	
	21	"	"	"	"	12	100	735.8	-16.5	1	0	8	1	1AcCi	○↕	60	
26	3	"	"	"	"	14	100	735.0	-21.2	8	0	7	6	1Ac, 7CiCsCc	⊕↕	30	
	15	"	"	"	"	17	110	732.4	-14.3	1	0	3	0	1Ac	○↕	40	
27	00	013	71 50	36 18	2335	13	100	733.9	-19.3	8	0	7	4	1Ac, 7Ci	⊕↕	40	
	3	010	71 50	36 20	2338	14	100	733.7	-21.1	7	0	7	1	1Ac, 6Ci	⊕↕	20	
	15	"	"	"	"	14	110	732.9	-14.8	3	0	0	2	3Ci	⊕↕	40	
28	21	011	71 50	36 23	2333	16	110	732.0	-18.1	1	0	0	1	1Ci	○↕	>70	
	3	—	71 48	36 12	—	20	100	736.7	-21.0	1	0	0	1	1Ci	○↕	40	
	15	—	"	"	—	17	90	735.1	-11.6	10	0	2	×	10As	×↕	0.1	
29	21	—	"	"	—	15	90	738.4	-13.3	9	0	7	×	9AcAs	×↕	0.3	
	3	—	"	"	—	14	100	741.0	-15.6	9	0	7	×	9Ac	×↕	1	
	15	—	"	"	—	16	100	742.8	-11.5	9	0	7	6	4Ac, 6Cs	⊕↕	5	
30	21	007	71 49	36 20	2293	19	100	742.3	-15.5	2	0	7	1	1Ac, 2Ci	○↕	50	
	3	005	71 48	36 16	2280	19	100	740.1	-19.7	1	0	0	1	1Ci	○↕	>70	
	15	—	71 48	36 12	—	18	110	737.5	-12.1	2	0	0	1	2Ci	○	>70	
31	3	002	71 47	36 11	2278	28	100	732.4	-20.3	1	0	7	0	1Ac	○	>70	
	15	B 11	71 44	35.8°	2122	18	100	746.0	-14.7	1	0	0	1	1Ci	○↕	>70	
1970 Jan.	21	3	71 47	36.1	2217	13	110	739.7	-16.3	2	0	0	1	2Ci	○	>70	
	1	4	12	71 44	35.8	1991	15	90	766.5	-17.0	1	0	3	0	1Ac	○	>70
	16	"	"	"	"	15	120	766.0	-13.1	4	0	0	1	4Ci	⊕	>70	
	2	00	"	"	"	15	120	765.7	-16.7	1	0	0	1	1Ci	○	>70	
	3	"	"	"	"	14	110	765.4	-17.7	1	0	0	1	1Ci	○	>70	

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Jan. 2	15	B 12	71° 44'	35.8°	1991	13	120°	763.5	-13.4	7	0	0	4	7Ci	⊙	>70
	3	"	"	"	"	17	100	766.0	-18.7	1	0	0	1	1Ci	○	>70
	15	"	"	"	"	12	100	767.4	-13.1	0	0	0	0	—	⊖	>70
4	3	"	"	"	"	12	90	768.4	-18.4	0	0	0	0	—	⊖	>70
	21	14	71 42	35.7	1918	15	100	778.0	-15.7	10	0	7	×	10Ac	×	1
5	3	18	71 38	35.5	1847	11	100	787.0	-19.1	1	0	7	0	1Ac	○	>70
	15	—	71 37	35.6	—	11	90	777.0	-13.9	9	0	8	6	3Ac, 7CiCs	⊙	10
	21	18	71 38	35.5	1847	11	80	788.0	-14.0	10	0	2	×	10As	×↗	0.1
6	3	"	"	"	"	10	85	789.1	-15.8	9	0	7	1	3AcAsNs, 7Ci	⊙	15
	15	—	71 35	35.6	—	9	70	792.7	-11.9	9	0	8	1	1Ac, 8Ci	⊙	50
	22	18	71 38	35.5	1847	2	40	790.8	-14.1	9	0	7	1	3AsAcNs, 6Ci	×	10
7	3	"	"	"	"	6	80	790.9	-17.2	7	0	0	1	2As, 1Ac, 4Ci	⊙	15
	15	—	71 35	35.6	—	8	50	792.9	-12.0	10	0	0	×	10As	×	2
	21	23	71 33	35.5	1750	5	40	799.2	-13.0	10	0	7	×	10AsAcNs	×	3
8	15	—	71 35	35.5	—	10	70	792.8	-11.6	10	0	2	×	10As	×	0.5
9	00	37	71 22	35.4	1632	3	90	806.2	-14.1	9	0	7	1	3AcAs, 7Ci	⊙	30
	3	"	"	"	"	5	80	805.8	-14.1	9	0	7	1	3Ac, 7Ci	⊙	30
10	4	"	"	"	"	5	90	801.0	-15.4	8	0	7	4	3AcAs, 5Ci, 1Cc	⊙	20
	8	"	"	"	"	5	85	800.2	-12.9	9	0	7	1	1As, 1Ac, 8Ci	⊙↗	15
	12	"	"	"	"	5	60	800.7	-12.5	9	0	7	6	2As, 2Ac, 2Ci, 7Cs	×	10
	15	"	"	"	"	5	40	801.1	-11.3	9	0	8	1	6Ac, 4Ci	×	30
11	3	"	"	"	"	4	80	803.7	-15.3	8	0	7	1	3As, 2Ac, 3Ci	×	10
	15	—	71 18	35.5	—	10	90	801.1	-12.1	8	0	8	6	1Ac, 3Cs, 4Ci	⊙	40

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Jan. 12	3	B 48	71° 23'	35° 41'	1800	10	90°	786.4	-19.3	9	0	7	1	7AcAs, 2Ci	✱	20
13	3	"	"	"	"	11	90	777.8	-16.7	9	0	7	6	6AcAs, 4CiCs	⊗↕	10
	15	"	"	"	"	13	80	776.3	-10.4	10	0	7	7	4AcAs, 10CiCs	✱↕	5
	21	C 11	71 17	36 13	1764	8	80	780.7	-11.6	9	0	7	×	9AcAsNs	✱	2
14	3	17	71 14	36 30	1759	14	100	781.2	-15.5	7	0	7	1	3AcAs, 4Ci	⊕↕	10
	15	"	"	"	"	12	70	784.3	-10.3	10	0	7	×	10AcAs	✱↕	0.3
	21	"	"	"	"	9	90	785.7	-11.6	9	0	7	×	9Ac	✱	10
15	3	"	"	"	"	10	100	785.4	-13.5	10	0	7	×	10Ac	✱	10
	15	19	71 13	36 34	1762	13	90	781.1	-10.5	6	0	8	1	1Ac, 5Ci	⊕↕	50
	21	30	71 08	37 05	1792	11	110	779.0	-14.6	2	0	8	1	1Ac, 1Ci	⊕↕	70
16	3	37	71 08	37 28	1805	13	120	777.8	-17.2	9	0	7	×	9Ac	⊗↕	30
	15	"	"	"	"	13	110	776.4	-10.7	9	0	7	1	2Ac, 7Ci	⊕↕	40
	21	"	"	"	"	9	110	776.4	-12.1	10	0	2	6	9As, 1CiCs	✱	10
17	3	"	"	"	"	10	100	777.5	-14.6	9	0	7	1	2Ac, 7Ci	⊕↕	10
	15	44	71 08	37 49	1807	11	90	778.9	- 9.5	8	0	3	6	1Ac, 7CsCi	⊕↕	60
	21	56	71 07	38 28	1745	8	100	785.6	-11.5	8	0	7	1	2Ac, 6Ci	⊕	50
18	3	60	71 07	38 40	1729	12	100	789.0	-13.4	10	0	7	×	10AcAs	✱	20
	15	68	71 06	39 06	1719	10	90	790.6	- 9.5	9	0	3	6	1Ac, 8CiCs	⊕	60
	21	80	71 06	39 44	1767	8	90	784.9	-13.7	3	0	7	1	1Ac, 2CiCc	⊕	70
19	3	"	"	"	"	14	110	784.4	-16.2	9	0	0	×	9Ac	✱	10
	15	"	"	"	"	12	90	783.7	-10.7	7	0	7	2	1Ac, 7Ci	⊕↕	20
	21	"	"	"	"	9	110	785.7	-14.4	7	0	7	6	1Ac, 6CiCs	⊕	40
20	3	"	"	"	"	11	110	787.4	-18.4	8	0	7	×	8Ac	⊗↕	10
	15	87	71 06	40 07	1817	12	90	782.3	-13.1	1	0	0	1	1Ci	⊕↕	>70

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Jan. 21	3	C 94	71° 06'	40° 32'	1794	13	110°	785.3	-21.5	1	0	7	0	1Ac	⊙→	>70
	15	105	71 06	41 10	1836	13	80	779.7	-13.2	1	0	0	1	1Ci	⊙→	>70
	22	120	71 07	42 01	1984	8	100	764.4	-17.6	3	0	7	0	3Ac	⊙	50
22	9	"	"	"	"	14	100	761.1	-14.0	9	0	7	×	9Ac	⊗→	5
	15	133	70 59	42 31	2004	14	100	760.4	-12.3	7	0	4	6	1Ac, 6CiCs	⊙→	1
23	3	S 170	70 50	43 07	2034	13	90	756.6	-20.7	2	0	7	0	2Ac	⊙→	30
	15	"	"	"	"	14	90	759.5	-10.9	3	0	3	1	2Ac, 1Ci	⊙→	50
	21	159	70 39	43 06	2006	7	100	763.4	-16.4	6	0	7	1	2Ac, 4Ci	⊙	60
24	3	150	70 30	43 04	1971	12	90	767.3	-19.7	8	0	7	9	3Ac, 5CiCc	⊙	50
	15	136	70 16	43 06	1914	11	70	774.1	-10.6	1	0	3	0	1Ac	○	>70
	21	120	69 59	43 04	1845	6	90	777.8	-14.4	3	0	7	1	2Ac, 1Ci	⊙	>70
25	9	"	"	"	"	13	90	772.9	-12.7	9	0	3	6	3Ac, 6CiCs	⊙	60
	15	105	69 43	42 53	1656	8	90	788.6	- 9.1	3	0	8	1	1Ac, 2Ci	○	>70
	21	-	69 38	43 05	-	5	70	787.2	-12.7	9	0	7	6	2Ac, 7CiCs	⊙	60
26	9	100	69 38	42 50	1630	13	90	788.6	-15.0	2	0	0	1	2Ci	⊙→	2
	15	88	69 26	42 41	1543	13	90	799.7	-11.4	8	0	5	×	8Ac	⊗→	2
	21	70	69 07	42 29	1388	5	90	820.4	-15.5	7	0	7	9	3Ac, 3Cc, 1Ci	⊙	40
27	9	"	"	"	"	14	90	823.5	-12.7	7	0	3	1	1Ac, 6Ci	⊙	>70
	15	50	69 04	41 35	1215	11	90	844.0	- 8.9	3	0	7	1	1Ac, 2Ci	⊙→	3
	21	40	69 05	41 07	1112	7	80	857.0	-13.0	2	0	7	9	2AcCiCc	○	>70
28	9	"	"	"	"	10	100	855.6	-13.0	1	0	3	0	1Ac	○	>70
	15	25	69 02	40 27	844	7	80	886.5	- 6.9	1	0	3	1	1AcCi	○	>70
	21	"	"	"	"	7	70	887.2	-12.9	1	0	3	1	1AcCi	○	>70
29	9	20	69 02	40 12	653	7	80	907.6	- 9.2	1	0	7	0	1Ac	○	>70

Table VIII-3. Surface meteorological data along the JARE traverse route from May 13 to 17, 1970.

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	Dew pt. (°C)	N	C _L	C _M	C _H	w	V (km)
May 13	9	S 16	69° 02'	40° 03'	553	6	90°	914.0	-16.0	-18.0	9	5	7	×	⊗	20
	15	22	69 02	40 18	743	7	100	891.7	-21.0	-25.0	8	5	7	×	⊗	10
14	9	24	69 02	40 24	811	2	110	886.8	-16.0	-16.0	10	5	7	×	⊗	20
	15	41	69 05	41 10	1124	5	110	851.2	-24.0	-29.0	10	5	7	×	⊗	20
15	15	70	69 07	42 29	1388	3	110	814.8	-31.0	×	5	0	7	×	⊙	50
16	9	"	"	"	"	4	130	812.8	-36.0	×	0	0	0	0	○	80
	15	43	69 04	41 15	1148	6	100	841.2	-31.0	×	0	0	0	0	○	80
17	9	31	69 03	40 43	981	6	90	858.2	-32.0	×	0	0	0	0	○	80
	15	"	"	"	"	5	120	858.2	-33.0	×	1	0	3	0	○	80

Table VIII-4. Surface meteorological data along the JARE traverse route from June 23 to August 6, 1970.

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	w	V (km)
1970 June 23	18	—	69°00'	40°00'	—	12	65°	920.1	-19.1	10	↗	0.05
25	9	"	"	"	"	9	50	928.7	-24.3	×	↗	0.01
	12	"	"	"	"	10	50	930.7	-21.8	×	↗	0.1
	15	"	"	"	"	10	40	931.0	-21.7	10 ⁻	↗	0.2
26	9	"	"	"	"	15	60	921.5	-17.7	×	↗	0.05
	12	S 16	69 02	40 03	553	16	55	909.6	-16.7	×	↗	0.05
	15	"	"	"	"	21	65	905.2	-19.1	×	↗	0.01
27	21	"	"	"	"	6	5	903.2	-17.5	8	×	1.0
28	9	"	"	"	"	9	50	912.3	-16.6	×	×	0.2
	12	"	"	"	"	11	55	914.2	-17.4	×	↗	0.05
	15	"	"	"	"	13	50	914.8	-15.5	7	↗	0.05
29	9	"	"	"	"	10	70	914.0	-17.1	×	↗	0.1
	12	"	"	"	"	×	70	912.7	×	×	↗	0.05
	15	"	"	"	"	8	20	913.5	-20.9	6	↘	1.0
30	9	"	"	"	"	8	100	912.1	-19.4	4	↗	2.0
	12	23	69 02	40 21	771	10	100	885.2	-19.9	9	↗	2.0
	15	31	69 03	40 43	981	8	95	860.2	-20.9	9	↗	5.0
July 1	9	"	"	"	"	10	100	853.1	-20.6	×	↗	0.2
	12	34	69 04	40 51	1030	7	50	848.6	-19.9	×	↗	0.1
	15	"	"	"	"	13	65	848.8	-17.9	×	↗	0.05
2	9	"	"	"	"	16	70	854.8	-17.9	×	↗	0.1
	12	"	"	"	"	15	70	855.9	-14.9	×	↗	0.1
	21	47	69 04	41 26	1184	10	100	841.4	-20.9	×	↘	2.0
3	9	"	"	"	"	8	100	842.3	-24.0	1	↘	20
	12	56	69 04	41 51	1274	10	90	842.2	-23.9	1	↘	50
	18	70	69 07	42 29	1388	5	90	819.7	-27.1	0 ⁺	↘	20
4	9	"	"	"	"	5	110	820.3	-27.7	3	↘	20
	12	74	69 11	42 31	1422	9	110	816.3	-26.6	10 ⁻	↘	20
	18	86	69 24	42 39	1526	11	100	806.1	-30.0	3	↗	10
5	9	"	"	"	"	13	100	802.4	-31.2	1	↗	0.2
	12	87	69 25	42 40	1534	10	90	801.1	-32.2	4	↗	0.3
	18	88	69 26	42 41	1543	12	90	799.8	-33.9	0	↗	0.2
6	9	"	"	"	"	13	90	806.5	-26.3	10	↗	0.2
	12	"	"	"	"	18	90	806.1	-23.8	10	↗	0.05
	15	"	"	"	"	15	100	806.6	-23.9	10	↗	0.1
7	9	"	"	"	"	17	90	801.7	-25.6	1	↗	0.1
	12	"	"	"	"	17	100	797.5	-26.6	2	↗	0.1
	15	"	"	"	"	14	110	797.2	-27.5	2	↗	0.1
8	15	93	69 31	42 44	1570	9	110	796.0	-27.0	3	↘	3

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	w	V (km)
July 8	21	S 102	69°40'	42°51'	1636	13	70°	791.2	-26.2	3	↕	2
9	9	"	"	"	"	11	100	790.8	-30.7	5	↕	5
	12	106	69 44	42 54	1660	11	70	790.3	-29.5	9	↕	20
	15	112	69 51	42 58	1736	11	80	783.2	×	9	↕	10
10	9	117	69 56	43 03	1774	6	110	782.2	-32.8	8	⊙	10
	12	122	70 01	43 06	1853	11	90	787.8	-32.3	10 ⁻	↕	2
	15	"	"	"	"	12	90	778.4	-32.7	1	↕	1
11	9	Z 12	70 07	43 16	1921	9	70	766.4	-36.7	2	↕	2
	12	18	70 10	43 21	1942	8	70	764.3	-36.9	10 ⁻	↕	2
	15	27	70 14	43 27	1984	12	80	759.9	-37.5	6	↕	1
12	9	42	70 21	43 39	2017	11	90	749.7	-39.9	1	↕	1
	12	47	70 22	43 41	2025	11	80	749.5	-39.5	3	↕	1
	15	63	70 26	43 48	2044	10	80	747.4	-40.3	2	↕	5
13	9	75	70 30	43 54	2074	4	70	744.9	-44.7	3	↕	5
	12	81	70 33	43 59	2094	3	60	745.2	-44.5	10 ⁻	⊙	10
	15	"	"	"	"	3	60	745.2	-47.3	9	⊙	10
14	9	"	"	"	"	3	60	744.1	-47.8	4	⊙	10
	12	87	70 35	44 04	2199	4	80	744.7	-45.9	10	⊙	10
	15	94	70 38	44 10	2125	5	80	741.4	-47.5	10	⊙	5
15	9	104	70 42	44 17	2165	10	80	733.4	-50.2	8	↕	0.2
	12	"	"	"	"	10	80	733.6	-51.0	4	↕	0.1
	15	"	"	"	"	10	80	733.5	-52.0	1	↕	0.1
16	9	"	"	"	"	13	80	731.3	-48.8	2	↕	0.1
	12	Mizuho Camp	70 42	44 18	2169	12	80	732.4	-48.9	10	↕	0.1
	15	"	"	"	"	8	80	742.2	-48.3	10	↕	0.1
17	9	"	"	"	"	6	60	735.9	-38.8	10 ⁻	⊙	0.2
	12	"	"	"	"	5	70	736.1	-37.2	9	⊙	0.5
	15	"	"	"	"	5	70	738.1	-36.2	10 ⁻	⊙	0.5
18	9	"	"	"	"	9	80	735.3	-35.0	10	↕	0.2
	12	"	"	"	"	12	70	734.1	-34.2	10	↕	0.2
	15	"	"	"	"	13	80	733.7	-34.6	10	↕	0.2
19	9	"	"	"	"	13	60	726.5	-25.8	7	↕	0.1
	12	"	"	"	"	12	60	730.5	-27.6	6	↕	0.2
	15	"	"	"	"	11	60	732.9	-27.9	10	↕	0.2
20	9	"	"	"	"	11	80	743.6	-31.2	10 ⁻	↕	1
	12	"	"	"	"	8	80	745.3	-31.4	10	↕	1
	15	"	"	"	"	9	80	746.2	-35.1	3	↕	5
21	9	"	"	"	"	10	100	746.2	-35.9	8	↕	0.5
	12	"	"	"	"	11	100	742.6	-43.8	8	↕	1
	15	"	"	"	"	11	100	740.5	-43.6	2	↕	1

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	w	V (km)
July 22	9	Mizuh● Camp	70°42'	44°18'	2169	14	90°	727.6	-4.38	6	↕	0.05
	15	"	"	"	"	12	80	722.0	-45.5	0+	↕	0.5
23	9	"	"	"	"	11	70	726.8	-50.2	0	↕	1
	12	"	"	"	"	12	70	726.5	-51.0	0	↕	2
	15	"	"	"	"	12	100	726.2	-50.5	0	↕	1
24	9	"	"	"	"	12	90	727.3	-49.8	0	↕	0.5
	12	"	"	"	"	12	90	725.9	-49.7	3	↕	0.5
	15	"	"	"	"	12	90	725.4	-49.6	1	↕	0.5
25	9	"	"	"	"	11	90	720.9	-43.9	10	↕	0.3
	12	"	"	"	"	9	90	721.3	-44.2	10	↕	2
	15	"	"	"	"	7	90	722.2	-47.0	1	↕	5
26	9	"	"	"	"	11	90	717.9	-46.0	10	↕	0.2
	12	"	"	"	"	12	90	726.1	-44.2	10	↕	0.2
	15	"	"	"	"	12	90	714.6	-44.0	9	↕	0.2
27	9	"	"	"	"	6	70	711.8	-49.0	0	○	20
	12	"	"	"	"	6	60	710.7	-47.5	0	○	20
	15	"	"	"	"	5	50	713.0	-47.5	6	⊙	20
28	9	"	"	"	"	6	80	724.2	-53.8	0+	○	10
	12	"	"	"	"	6	90	725.0	-53.8	1	○	10
	15	"	"	"	"	5	90	725.8	-4.29	0+	○	20
29	9	"	"	"	"	11	100	726.0	-5.48	3	↕	0.1
	12	"	"	"	"	12	110	724.8	-5.48	3	↕	0.1
	15	"	"	"	"	14	100	721.1	-5.40	4	↕	0.1
30	9	"	"	"	"	14	90	712.0	-36.1	×	↕	0.05
	12	"	"	"	"	13	80	713.3	-34.1	×	↕	0.05
	15	"	"	"	"	12	80	714.0	-33.5	×	↕	0.05
31	9	"	"	"	"	16	80	722.7	-33.2	×	↕	0.02
	12	"	"	"	"	15	90	723.1	-33.2	×	↕	0.05
	15	"	"	"	"	13	100	723.7	-34.1	×	↕	0.05
Aug. 1	12	Z 75	70 30	43 54	2074	14	100	732.8	-37.7	6	↕	0.2
	15	59	70 25	43 46	2035	14	110	734.8	-38.2	4	↕	0.3
2	15	S 122	70 01	43 06	1853	6	90	761.9	-43.8	10 ⁻	↕	0.5
3	12	93	69 31	42 44	1570	6	70	796.2	-29.6	10 ⁻	⊙	5
4	9	69	69 06	42 46	1381	20	60	818.8	-19.5	×	↕	0.01
	12	"	"	"	"	25	60	818.3	-18.7	×	↕	0.01
	15	"	"	"	"	30	×	817.8	-17.8	×	↕	0.01
5	12	"	"	"	3	340	818.9	-18.6	10	⊙	1	
6	9	46	69 04	41 24	1188	5	90	842.7	-21.4	10 ⁻	⊙	5
	12	28	69 03	40 35	916	5	80	872.5	-16.9	10 ⁻	⊙	10

Table VIII-5. Surface meteorological data along the JARE traverse route from November 3, 1970 to January 22, 1971.

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	CL	CM	CH	NC	w	V (km)
1970 Nov. 3	12	S 16	69° 02'	40° 03'	553	1	85°	(915.8)	-12.6	4	0	0	1	4C i	⊕	50
	15	19	69 02	40 10	634	0	×	(906.7)	-11.2	3	5	0	1	0 ⁺ S _c , 3C i	⊕	50
	21	31	69 03	40 43	981	6	85	(837.6)	-21.3	9	0	0	4	9C i	⊕	50
4	9	"	"	"	"	10	80	(834.3)	-14.8	10 ⁻	0	7	×	10A _c	↓	1
	12	38	69 05	41 02	1088	12	80	(822.7)	-12.6	10	0	7	×	10A _c	↓	0.7
	15	46	69 04	41 24	1188	11	70	(808.5)	-13.2	10	0	3	1	3A _c , 8C i	↓	0.6
5	21	50	69 04	41 35	1215	10	75	(804.6)	-16.3	10	0	3	8	4A _c , 1C i	↓	0.6
	9	"	"	"	"	12	70	(807.4)	-11.3	10	0	3	×	10A _c	↑	0.3
	12	56	69 04	41 51	1274	10	50	(802.1)	-10.8	10	0	3	×	10A _c	×↑	0.1
6	15	57	69 04	41 54	1276	12	55	(803.7)	-11.2	10	0	3	×	10A _c	×↑	0.1
	21	"	"	"	"	12	75	(804.1)	-13.8	10	0	7	×	10A _c	×↑	0.1
	9	"	"	"	"	17	70	(802.0)	-11.4	10	0	7	×	10A _c	×↑	0.05
7	12	"	"	"	"	17	70	(799.9)	-11.9	10	0	7	×	10A _c	×↑	0.05
	15	"	"	"	"	21	70	(799.7)	-11.8	10	0	7	×	10A _c	×↑	0.03
	21	"	"	"	"	17	60	(799.9)	-12.6	10	0	7	×	10A _c	×↑	0.03
8	9	"	"	"	"	18	70	(804.0)	-10.4	10	0	7	×	10A _c	×↑	0.05
	12	"	"	"	"	15	65	(812.6)	-9.8	10	0	7	×	10A _c	×↑	0.08
	15	"	"	"	"	10	80	(806.1)	-9.3	10	0	7	×	10A _c	↑	0.2
9	9	"	"	"	"	8	85	(808.6)	-11.4	10 ⁻	0	3	1	2A _c , 9C i	↓	10
	12	61	69 05	42 04	1335	8	75	(802.4)	-10.2	9	0	3	4	2A _c , 8C i	↓	10
	15	70	69 07	42 29	1388	7	85	(797.1)	-10.4	9	0	3	1	0 ⁺ A _c , 9C i	↓	10
	21	"	"	"	"	7	85	(797.2)	-17.5	6	0	3	1	1A _c , 6C i	↓	10
9	9	"	"	"	"	6	95	(796.8)	-15.0	4	0	0	1	4C i	⊕	20
	12	80	69 17	42 35	1473	12	90	(784.7)	-12.8	2	0	0	1	2C i	↓	5

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Nov. 9	15	S 87	69° 25'	4 2° 40'	1534	13	85°	(779.1)	-12.9	1	0	0	1	1C i	↕	5
	21	90	69 28	4 2 42	1560	12	85	(773.9)	-20.8	0	0	0	0	—	↕	5
10	9	"	"	"	"	10	80	(770.3)	-19.1	0 ⁺	0	0	1	0 ⁺ C i	↕	5
	12	100	69 38	4 2 50	1630	8	80	(762.3)	-1.45	0	0	0	0	—	○	20
	15	"	"	"	"	8	80	(762.0)	-15.3	0	0	0	0	—	○	20
11	21	105	69 43	4 2 53	1656	12	85	(759.5)	-23.2	0 ⁺	0	0	1	0 ⁺ C i	↕	3
	9	106	69 44	4 2 54	1660	13	90	(761.1)	-22.9	0	0	0	0	—	↕	1
	12	117	69 56	4 3 03	1774	12	80	(750.7)	-20.3	0	0	0	0	—	↕	1
	15	122	70 01	4 3 06	1853	10	80	(746.6)	-17.9	0	0	0	0	—	↕	5
12	21	"	"	"	"	11	85	(748.0)	-25.3	0	0	0	0	—	↕	5
	9	"	"	"	"	12	90	(742.3)	-21.0	0 ⁺	0	0	1	0 ⁺ C i	↕	0.3
	12	"	"	"	"	13	70	(743.7)	-16.2	6	0	0	4	6C i	↕	0.4
	15	"	"	"	"	12	65	(744.1)	-15.6	9	0	0	4	9C i	↕	1
	21	"	"	"	"	12	80	(742.9)	-20.5	4	0	3	1	2Ac, 2C i	↕	1
13	9	"	"	"	"	14	85	(740.9)	-19.8	1	0	0	1	1C i	↕	0.5
	12	Z 8	70 05	4 3 13	1909	13	70	(737.2)	-17.6	9	0	3	4	3Ac, 8C i	↕	1
	15	23	70 12	4 3 24	1958	11	70	(734.5)	-17.7	9	0	3	4	4Ac, 8C i	↕	1
	21	35	70 18	4 3 34	2012	9	80	(731.2)	-23.5	6	0	3	1	3Ac, 5C i	↕	10
14	9	35	70 18	4 3 34	2012	11	90	(732.2)	-22.3	4	0	0	1	4C i	↕	10
	12	43	70 21	4 3 40	2017	10	80	(729.4)	-18.8	5	0	0	4	5C i	↕	5
	15	68	70 27	4 3 49	2057	8	70	(726.0)	-18.2	9	0	0	1	9C i	↕	5
	21	80	70 32	4 3 58	2091	6	85	(724.0)	-20.3	10	0	7	×	10Ac	×	2
15	9	"	"	"	"	9	70	(734.8)	-22.8	1	0	0	1	1C i	↕	3
	12	90	70 36	4 4 06	2111	11	80	(724.9)	-17.6	6	0	3	4	1Ac, 5C i	↕	10
	15	100	70 40	4 4 14	2138	11	70	(723.3)	-17.0	9	0	0	4	9C i	↕	10
	21	Mizubo Camp	70 42	4 4 18	2169	5	80	(720.0)	-23.6	5	0	0	1	5C i	⊙	30
16	9	"	"	"	"	8	75	(716.9)	-20.2	10	0	7	×	10Ac	↕	5

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)					
Nov. 16	12	Mizuho Camp	7 0° 4 2'	4 4° 1 8'	2 1 6 9	8	6 5°	(7 1 7.4)	- 1 8.6	8	0	3	1	8Ac, 2Ci	⊗	10					
	15							"	"	"	7	6 0	(7 1 7.3)	- 1 7.5	1 0 ⁻	0	3	7	1Ac, 10Cs	⊕	10
	21							"	"	"	7	7 0	(7 1 7.8)	- 2 3.4	1 0	0	7	7	6Ac, 10Cs	⊗	30
17	9	"	"	"	"	1 2	7 0	(7 2 0.7)	- 2 0.4	1 0	0	0	7	10Cs	↗	0.3					
	12	"	"	"	"	1 2	7 0	(7 2 2.7)	- 1 8.3	1 0	×	×	7	10Cs	↗	0.5					
	15	"	"	"	"	1 0	7 0	(7 2 3.2)	- 1 8.7	1 0	0	0	7	10Cs	↘	0.5					
	21	"	"	"	"	7	8 0	(7 2 3.3)	- 2 0.6	1 0	0	0	7	10Cs	↘	1					
18	9	"	"	"	"	7	8 5	(7 2 1.0)	- 2 2.2	2	0	3	1	2Ac, 1Ci	↘	10					
	12	"	"	"	"	6	8 0	(7 2 2.4)	- 2 0.0	0 ⁺	0	3	0	0Ac	○	30					
	15	"	"	"	"	4	8 0	(7 2 1.9)	- 1 6.2	0 ⁺	0	3	0	0Ac	○	50					
	21	"	"	"	"	5	8 5	(7 2 1.9)	- 2 7.6	0	0	0	0	---	○	80					
19	9	"	"	"	"	8	7 0	(7 2 0.9)	- 2 4.4	0	0	0	0	---	○	80					
	12	Y 10	7 0 4 6	4 4 3 0	2 2 2 7	4	7 0	(7 2 3.8)	- 2 0.8	0 ⁺	0	3	0	0Ac	○	50					
	15	20	7 0 4 9	4 4 4 4	2 2 7 2	2	7 0	(7 0 9.1)	- 2 0.8	0 ⁺	0	3	0	0Ac	○	50					
	21	35	7 0 5 4	4 5 0 5	2 3 4 2	3	1 1 0	(7 0 1.8)	- 3 0.1	0 ⁺	0	3	0	0Ac	○	80					
20	9	"	"	"	"	9	1 0 0	(7 0 0.0)	- 2 6.1	0	0	0	0	---	↘	10					
	12	45	7 0 5 8	4 5 1 8	2 3 7 2	9	1 0 0	(6 9 7.8)	- 2 6.6	0	0	0	0	---	↘	10					
	15	60	7 1 0 3	4 5 3 8	2 4 3 8	8	1 0 0	(6 9 1.7)	- 2 0.8	0	0	0	0	---	○	50					
	21	70	7 1 0 6	4 5 5 1	2 4 6 3	8	1 0 0	(6 8 7.9)	- 2 9.0	0	0	0	0	---	○	50					
21	9	"	"	"	"	8	9 0	(6 8 7.9)	- 2 8.4	0 ⁺	0	0	1	0Ci	↘	30					
	12	80	7 1 0 9	4 6 0 5	2 4 9 0	8	9 0	(6 8 5.0)	- 2 4.8	0 ⁺	0	0	1	0Ci	○	50					
	15	95	7 1 1 4	4 6 2 5	2 5 3 5	5	8 0	(6 8 1.9)	- 2 3.5	0 ⁺	0	0	1	0Ci	○	80					
	21	100	7 1 1 6	4 6 3 2	2 5 4 5	4	9 5	(6 8 0.8)	- 3 1.2	0 ⁺	0	0	1	0Ci	○	80					
22	9	"	"	"	"	8	1 0 0	(6 8 0.3)	- 2 9.7	1	0	0	1	1Ci	○	30					
	12	"	"	"	"	9	1 1 0	(6 8 0.5)	- 2 5.5	6	0	0	4	6Ci	⊕	30					
	15	"	"	"	"	9	1 1 0	(6 8 0.8)	- 2 4.8	8	0	0	1	8Ci	↘	30					
	21	"	"	"	"	1 0	9 5	(6 8 0.8)	- 2 8.8	9	0	0	7	9Cs	↘	20					

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Nov. 23	9	Y100	71° 16'	46° 32'	2545	9	90°	(680.8)	-25.5	10	0	0	7	10Cs	↓	1
	12	"	"	"	"	9	90	(680.8)	-23.4	10	0	0	7	10Cs	↓	1
	15	"	"	"	"	8	75	(681.0)	-22.7	10 ⁻	0	3	1	10Ac, 10C ⁻ i	⊕	5
	21	"	"	"	"	4	80	704.1	-24.8	10 ⁻	0	3	×		⊗	50
24	9	"	"	"	"	5	70	703.7	-24.8	8	0	0	1	8Ci	⊕	20
	12	110	71 19	46 46	2579	3	70	701.3	-20.2	8	0	0	1	8Ci	⊕	30
	15	125	71 23	47 08	2609	3	50	697.9	-19.0	8	0	0	7	8Cs	⊕	30
	21	135	71 27	47 22	2644	2	80	694.5	-30.3	4	0	0	1	4Ci	⊕	80
25	9	135	71 27	47 22	2644	4	80	694.4	-24.2	10 ⁻	0	3	1	5Ac, 10C ⁻ i	⊕	30
	12	145	71 30	47 36	2675	3	80	693.7	-20.8	10 ⁻	0	0	7	10C ⁻ s	⊕	30
	15	165	71 36	48 04	2719	2	80	689.5	-21.2	10 ⁻	0	0	7	10C ⁻ s	⊕	30
	21	170	71 37	48 12	2720	3	90	689.3	-25.4	10	0	0	7	10Cs	⊕	50
26	9	"	"	"	"	1	0	687.2	-20.2	10 ⁻	0	3	7	3Ac, 10C ⁻ s	⊕	10
	12	185	71 42	48 34	2778	1	20	682.6	-18.7	10 ⁻	0	3	×	10Ac	⊗	10
	15	200	71 46	48 56	2819	0	×	678.6	-19.6	6	0	0	1	6Ci	⊕	10
	21	"	"	"	"	1	10	677.1	-29.8	5	0	0	1	5Ci	⊕	30
27	9	"	"	"	"	2	90	674.4	-27.9	1	0	0	1	1Ci	○	50
	12	"	"	"	"	5	80	675.5	-24.6	0 ⁺	0	0	1	0C ⁺ i	○	50
	15	"	"	"	"	4	70	675.6	-24.6	0	0	0	0		○	50
	21	"	"	"	"	4	100	674.9	-30.8	1	0	3	0	1Ac	○	50
28	9	"	"	"	"	7	90	675.7	-26.2	10	0	0	7	10Cs	⊕	10
	12	"	"	"	"	6	90	676.1	-23.8	10	0	0	7	10Cs	⊕	10
	15	"	"	"	"	7	90	676.3	-23.2	10 ⁻	0	0	7	10C ⁻ s	⊕	10
	21	"	"	"	"	4	90	676.9	-28.4	10	0	0	7	10Cs	⊕	20
29	9	"	"	"	"	4	60	676.9	-23.5	10	0	0	7	10Cs	×	5
	12	210	71 41	49 02	2807	3	30	677.8	-22.7	10 ⁻	0	0	7	10C ⁻ s	⊕	10
	15	220	71 36	49 07	2792	2	0	679.5	-20.9	4	0	3	5	1Ac, 4Cs	⊕	10

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	Cl	C _M	C _H	NC	w	V (km)	
Nov. 29	21	Y235	71° 28'	49° 14'	2764	1	0°	681.8	-25.0	10	0	7	×	10Ac	×	10	
	30	9	"	"	"	0.5	250	683.6	-28.2	7	0	0	2	7Ci	⊙	10	
	12	245	71 23	49 20	2746	1	260	685.4	-22.8	8	0	7	0	8Ac	⊗	10	
	15	255	71 18	49 26	2720	2	240	687.7	-22.5	10 ⁻	0	7	0	10Ac	⊗	10	
Dec. 1	21	270	71 10	49 34	2676	0.5	90	693.2	-33.5	2	0	0	8	2Cs	○	80	
	9	"	"	"	"	4	120	694.4	-27.4	6	0	0	1	6Ci	⊙	10	
	12	285	71 03	49 45	2648	6	110	696.6	-23.0	3	0	0	1	3Ci	⊙	30	
	15	295	70 58	49 50	2643	7	120	696.4	-22.6	1	0	0	1	1Ci	○	50	
	21	305	70 52	49 56	2616	7	120	698.3	-30.6	1	0	0	5	1Cs	↓	20	
	2	9	"	"	"	"	12	120	693.2	-26.6	×	×	×	×	×	↑	0.2
		12	315	70 47	50 02	2601	13	100	695.2	-23.2	8	0	0	1	8Ci	↑	0.1
		15	325	70 42	50 08	2591	12	100	696.1	-21.9	8	0	0	6	8Cs	↑	0.3
		21	335	70 37	50 13	2577	10	90	697.3	-23.6	10 ⁻	0	0	7	10Cs	×↑	0.3
	3	9	"	"	"	"	8	80	697.8	-22.8	10	0	0	6	10Cs	↑	0.5
		12	345	70 32	50 19	2555	8	80	700.9	-19.8	10	0	0	7	10Cs	↑	1
		15	360	70 24	50 28	2527	8	80	703.5	-20.4	10	0	3	7	0 ⁺ Ac, 10Cs	↓	3
		21	370	70 19	50 33	2503	5	110	705.1	-25.2	4	0	1	1	1As, 3Ci	⊙	50
	4	9	"	"	"	"	10	100	704.2	-24.4	8	0	0	6	8Cs	↑	0.5
		12	"	"	"	"	9	100	704.2	-21.8	6	0	0	8	6Cs	↓	2
		15	"	"	"	"	5	90	702.6	-20.2	7	0	0	8	7Cs	⊙	10
21		"	"	"	"	4	130	702.5	-27.6	4	0	0	8	4Cs	⊙	80	
5	9	"	"	"	"	6	110	705.0	-23.4	0	0	0	0	—	○	50	
	12	"	"	"	"	5	100	705.1	-20.8	0	0	0	0	—	○	30	
	15	"	"	"	"	6	100	704.8	-20.2	0	0	0	0	—	○	50	
	21	"	"	"	"	4	120	705.4	-27.0	0 ⁺	0	0	5	0 ⁺ Cs	○	80	
6	9	370	70 19	50 33	2503	2	150	706.4	-22.8	0 ⁺	0	0	1	0 ⁺ Ci	○	50	
	12	380	70 13	50 36	2475	5	120	708.6	-21.2	0 ⁺	0	0	1	0 ⁺ Ci	○	50	

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Dec. 6	15	Y390	70° 08'	50° 41'	2433	6	120°	711.8	-21.0	0 ⁺	0	0	1	0 ⁺ Ci	○	50
	21	Y405	70 00	50 46	2388	6	120	715.5	-27.4	0 ⁺	0	0	1	0 ⁺ Ci	○	80
7	9	"	"	"	"	11	110	711.7	-22.8	0	0	0	0	—	↓	2
	12	Y415	69 55	50 50	2356	11	100	714.6	-18.9	0 ⁺	0	0	1	0 ⁺ Ci	↓	1
8	15	Y435	69 44	50 59	2317	10	100	717.2	-18.8	0 ⁺	0	3	0	0 ⁺ Ac	↓	1
	21	Y440	69 42	51 01	2306	9	110	719.4	-24.6	0	0	0	0	—	↓	10
9	9	"	"	"	"	10	110	726.6	-21.2	0	0	0	0	—	↓	1
	12	Y455	69 34	51 07	2236	12	90	733.3	-16.4	0 ⁺	0	3	0	0 ⁺ Ac	↓	1
10	15	Y465	69 29	51 11	2208	10	90	736.5	-16.0	10 ⁻	0	5	×	10 ⁻ Ac	↓	1
	21	Y475	69 24	51 16	2181	8	80	743.9	-21.6	10 ⁻	0	7	×	10 ⁻ Ac	⊗	30
11	9	"	"	"	"	12	100	747.7	-20.4	0	0	0	0	—	↑	1
	12	Y485	69 18	51 20	2168	13	100	747.3	-17.8	0 ⁺	0	3	0	0 ⁺ Ac	↑	0.5
12	15	Y500	69 11	51 26	2126	14	100	751.6	-17.2	0 ⁺	0	3	0	0 ⁺ Ac	↑	0.5
	21	Y510	69 05	51 30	2108	15	100	747.8	-19.6	10	0	7	×	10 Ac	↑	0.05
13	9	"	"	"	"	16	110	745.2	-17.9	10	0	7	×	10 Ac	↑	0.05
	12	"	"	"	"	16	110	745.8	-15.5	10 ⁻	0	7	×	10 ⁻ Ac	↑	0.08
14	15	"	"	"	"	16	110	745.1	-16.0	10	0	7	×	10 Ac	↑	0.1
	21	"	"	"	"	16	110	743.8	-18.7	10	0	7	×	10 Ac	↑	0.1
15	9	"	"	"	"	14	90	743.8	-16.5	10 ⁻	0	7	×	10 ⁻ Ac	↑	0.2
	12	"	"	"	"	13	80	743.8	-14.5	8	0	0	8	8Cs	↓	0.2
16	15	Y520	69 00	51 35	2092	12	90	744.6	-14.5	2	0	0	8	2Cs	↓	1
	21	Y535	68 56	51 49	2106	4	90	744.2	-16.6	10 ⁻	0	7	0	10 ⁻ Ac	↓	2
17	9	"	"	"	"	6	80	747.7	-12.6	10	0	7	×	10 Ac	↓	2
	12	Y545	68 50	51 53	2099	7	100	748.4	-12.8	10 ⁻	0	3	7	6Ac, 8Cs	⊕	3
18	15	Y565	68 40	52 02	2061	5	120	750.0	-13.3	10 ⁻	0	1	7	1As, 10 ⁻ Cs	⊕	15
	21	Sandercock	68 37	52 06	2056	0	×	754.1	-17.4	3	6	0	1	0 ⁺ St, 2Ci	⊕	80
19	9	"	"	"	"	8	90	754.6	-16.5	10 ⁻	0	0	7	10 ⁻ Cs	⊕	30

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Dec. 13	12	Sandercock	68° 37'	52° 06'	2056	7	80°	754.1	-15.6	10 ⁻	0	3	7	0 ⁺ Ac, 10 ⁻ Cs	⊙	30
	15		"	"	"	7	80	753.2	-14.8	10 ⁻	0	3	7	0 ⁺ Ac, 10 ⁻ Cs	⊙	30
	21		"	"	"	"	6	120	751.5	-19.6	2	6	1	0	0 ⁺ St, 2As	○
14	9	"	"	"	"	11	95	746.3	-16.6	10 ⁻	0	3	1	2Ac, 10 ⁻ Ci	⊙↕	20
	12	"	"	"	"	9	95	746.5	-12.8	10 ⁻	0	3	7	2Ac, 10 ⁻ Cs	⊙	20
	15	"	"	"	"	7	100	745.5	-13.8	10 ⁻	0	3	7	2Ac, 10 ⁻ Cs	⊙	80
15	21	"	"	"	"	8	100	745.0	-17.6	10 ⁻	0	3	1	1Ac, 10 ⁻ Ci	⊙↕	80
	9	"	"	"	"	12	90	746.3	-16.9	10 ⁻	0	0	1	10 ⁻ Ci	↕	10
	12	"	"	"	"	12	90	748.5	-15.0	5	0	0	1	5Ci	↕	10
	15	"	"	"	"	12	90	749.2	-14.6	8	0	0	1	8Ci	⊙	30
16	21	"	"	"	"	10	110	751.2	-18.8	10 ⁻	0	0	1	10 ⁻ Ci	⊙	50
	9	"	"	"	"	12	110	751.6	-17.6	2	0	3	1	0 ⁺ Ac, 2Ci	↕	0.03
	12	"	"	"	"	10	100	753.2	-14.6	1	0	3	1	0 ⁺ Ac, 1Ci	↕	1
	15	"	"	"	"	7	90	752.8	-14.6	2	5	3	1	2Sc, 1Ac, 0 ⁺ Ci	○	50
17	21	"	"	"	"	4	100	752.2	-16.0	10	0	7	×	10Ac	⊗	80
	9	"	"	"	"	9	110	747.1	-14.7	0 ⁺	0	3	0	0 ⁺ Ac	○	50
	12	W 02	68 40	51 56	2068	6	80	747.0	-13.9	0 ⁺	0	3	0	0 ⁺ Ac	○	50
	15	04	68 42	51 47	2067	7	80	746.8	-13.4	1	0	3	0	1Ac	○	50
18	21	07	68 45	51 36	2051	2	85	748.7	-16.6	10 ⁻	0	7	×	10 ⁻ Ac	⊗	30
	9	"	"	"	"	9	90	749.7	-14.8	1	0	0	1	1Ci	○	50
	12	09	68 47	51 28	2032	8	60	754.1	-12.0	7	0	3	1	6Ac, 3Ci	⊙	30
	15	11	68 49	51 23	2011	5	60	757.0	-10.6	10	0	7	×	10Ac	⊗	10
19	21	13	68 51	51 13	1962	2	100	762.3	-14.9	10	0	7	×	10Ac	×	5
	9	"	"	"	"	7	80	762.7	-13.3	9	0	7	×	9Ac	⊗	20
	12	16	68 55	51 00	1931	4	90	767.8	-10.6	10 ⁻	0	7	×	10 ⁻ Ac	⊗	20
	15	19	68 59	50 51	1943	3	60	766.5	-10.0	10 ⁻	0	7	×	10 ⁻ Ac	⊗	40
	21	"	"	"	"	3	130	762.8	-18.4	3	0	3	1	2Ac, 1Ci	⊙	80

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	CL	CM	CH	NC	w	V (km)
Dec. 20	9	W 19	68° 59'	50° 51'	1943	3	70°	758.1	-12.8	8	0	7	×	8Ac	⊗	50
	12	"	"	"	"	7	90	760.9	-13.4	5	0	3	1	1Ac, 4Ci	⊕	50
	15	"	"	"	"	6	80	757.3	-8.8	4	0	3	1	1Ac, 4Ci	⊕	50
	21	"	"	"	"	8	90	758.5	-16.7	7	0	0	1	7Ci	⊕	50
21	9	"	"	"	"	11	90	759.0	-14.8	4	0	0	1	4Ci	↓	2
	12	"	"	"	"	11	80	759.1	-12.6	3	0	0	1	3Ci	↓	2
	15	"	"	"	"	11	90	760.1	-13.2	3	0	3	1	0 ⁺ Ac, 3Ci	↓	2
22	21	"	"	"	"	4	80	762.1	-14.8	8	0	7	×	8Ac	⊗	80
	9	"	"	"	"	12	100	761.1	-12.0	9	0	3	×	9Ac	↓	2
	12	"	"	"	"	11	90	760.4	-10.1	9	0	3	8	2Ac, 8Cs	↓	2
	15	"	"	"	"	14	90	759.6	-10.6	8	0	3	8	2Ac, 7Cs	↓	1
23	21	"	"	"	"	5	90	760.3	-13.2	10 ⁻	0	2	×	10 ⁻ As	⊗	50
	9	"	"	"	"	15	90	758.3	-13.9	3	0	3	0	3Ac	↑	1
	12	"	"	"	"	13	80	758.1	-11.6	2	0	3	1	1Ac, 1Ci	↓	3
	15	23	69 03	50 33	1890	6	90	764.6	-10.6	5	0	3	1	5Ac, 1Ci	⊕	20
24	21	26	69 06	50 22	1881	9	100	765.8	-12.8	10 ⁻	0	2	×	10 ⁻ Ac	⊗	30
	9	"	"	"	"	10	90	764.4	-12.0	10 ⁻	0	3	7	0 ⁺ Ac, 10 ⁻ Cs	↓	2
	12	"	"	"	"	10	80	764.1	-10.9	10	0	0	7	10Cs	↑	0.3
	15	"	"	"	"	11	90	764.1	-10.4	10	0	3	7	1Ac, 10Cs	↑	0.3
25	21	"	"	"	"	8	90	765.2	-12.2	10	0	2	×	10As	↑	1
	9	"	"	"	"	9	80	765.9	-9.7	10	0	3	7	3Ac, 10Cs	↓	2
	12	"	"	"	"	9	80	766.2	-9.8	10 ⁻	0	3	7	1Ac, 10 ⁻ Cs	↓	2
26	15	31	69 13	50 05	1858	7	85	770.2	-9.4	10 ⁻	0	3	7	1Ac, 10 ⁻ Cs	⊕	30
	21	32	69 14	49 59	1859	5	100	769.1	-14.9	4	0	3	1	1Ac, 3Ci	⊕	50
	9	33	69 16	49 53	1852	11	105	767.7	-15.2	3	0	3	1	1Ac, 2Ci	↓	2
	12	"	"	"	"	8	80	767.6	-11.2	3	0	3	1	0 ⁺ Ac, 3Ci	↓	5
26	15	37	69 21	49 37	1868	5	90	767.2	-10.9	2	5	3	1	0 ⁺ S c, 0 ⁺ Ac, 1Ci	○	50
	21	39	69 23	49 30	1835	4	100	769.4	-15.2	2	0	3	1	1Ac, 1Ci	○	80

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)	
Dec. 27	9	W 40	69° 23'	49° 28'	1840	7	80°	770.2	-11.8	10 ⁻	0	7	×	10 ⁻ Ac	⊗	50	
	12	"	"	"	"	5	80	769.5	-11.0	1	0	3	0	1Ac	○	50	
	15	43	69 29	49 13	1886	6	100	764.6	-12.4	2	5	3	1	0 ⁺ Sc, 1Ac, 0 ⁺ Ci	○	50	
	21	46	69 32	48 56	1897	3	70	763.3	-13.3	10 ⁻	0	2	×	10As	⊗	30	
28	9	46	69 32	48 56	1897	8	90	763.2	-12.2	10	0	7	×	10Ac	↕	5	
	12	"	"	"	"	7	80	763.4	-10.6	10 ⁻	0	7	×	10 ⁻ Ac	⊗	10	
	15	47	69 34	48 47	1959	4	40	757.9	-10.0	10 ⁻	0	2	×	10As	*	10	
	21	51	69 39	48 25	2019	2	120	755.0	-16.7	9	0	3	×	9Ac	⊗	80	
29	9	52	69 40	48 19	2060	6	70	749.9	-12.4	10	0	2	×	10As	*	2	
	12	"	"	"	"	7	60	750.3	-12.3	10	0	2	×	10As	*	2	
	15	"	"	"	"	5	50	751.2	-10.8	10	0	2	×	10As	*	2	
30	21	"	"	"	"	7	40	752.7	-13.0	10	0	2	×	10As	*	0.2	
	9	"	"	"	"	7	30	751.3	-13.3	10	0	2	×	10As	*	0.2	
	12	"	"	"	"	7	40	759.8	-11.4	10	0	2	×	10As	*	0.3	
31	15	"	"	"	"	2	40	759.5	-11.8	10 ⁻	0	2	×	10As	*	1	
	21	55	69 41	48 10	2107	3	160	755.5	-18.8	8	0	0	1	8Ci	⊕	80	
	9	"	"	"	"	7	150	750.1	-15.1	6	0	0	4	6Ci	↕	20	
	12	"	"	"	"	4	130	750.9	-13.2	9	0	0	6	9Cs	⊕	20	
	15	"	"	"	"	4	140	751.2	-12.0	10 ⁻	0	3	7	1Ac, 10 ⁻ Cs	⊕	50	
1971 Jan. 1	21	"	"	"	"	2	180	751.8	-20.0	2	0	2	1	1As, 1Ci	○	80	
	9	"	"	"	"	6	110	750.3	-13.4	8	0	3	1	0 ⁺ Ac, 8Ci	⊕	50	
	12	"	"	"	"	3	90	750.9	-10.9	10	0	2	×	10As	⊗	20	
	15	"	"	"	"	2	70	752.2	-10.1	10	0	2	×	10As	*	10	
	21	"	"	"	"	0	×	752.5	-12.4	10	0	2	×	10As	*	10	
	2	9	"	"	"	"	3	40	753.9	-12.0	10	0	7	×	10Ac	⊗	20
		12	"	"	"	"	3	90	755.1	-10.7	8	0	7	×	8Ac	⊗	10
		15	215	69 48	47 52	2211	6	90	745.5	-12.5	2	0	3	8	0 ⁺ Ac, 2Cs	○	50

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	C _L	C _M	C _H	NC	w	V (km)
Jan. 2	21	W230	69° 54'	47° 34'	2254	4	90°	740.7	-18.2	2	0	3	1	1Ac, 0 ⁺ Ci	○	80
	3	9	"	"	"	10	90	739.1	-15.7	10	0	2	×	10As	↗	0.2
		12	"	"	"	12	70	739.6	-11.7	10	0	2	×	10As	↗	0.15
		15	"	"	"	13	70	740.2	-10.9	10	0	2	×	10As	↗	0.1
	4	21	"	"	"	11	80	742.3	-12.5	10	0	2	×	10As	↗	0.2
		9	"	"	"	16	80	742.8	-9.6	10	0	2	×	10As	↗	0.05
		12	"	"	"	13	80	743.3	-7.9	10	0	2	×	10As	↗	0.05
		15	"	"	"	14	80	743.2	-9.7	10	0	2	×	10As	↗	0.05
		21	"	"	"	14	80	741.2	-12.8	10	0	2	×	10As	↗	0.05
		5	9	"	"	"	15	80	740.1	-11.8	10	0	2	×	10As	↗
	12		"	"	"	15	80	739.7	-10.7	10	0	2	×	10As	↗	0.05
	15		"	"	"	15	90	739.1	-10.6	10	0	2	×	10As	↗	0.05
21	"		"	"	15	90	736.6	-13.6	10	0	2	×	10As	↗	0.07	
6	9	"	"	"	13	100	733.5	-16.4	10	0	3	1	3Ac, 10Ci	↗	0.15	
	12	240	69 58	47 22	2285	11	90	732.6	-14.5	10 ⁻	0	3	1	6Ac, 5Ci	↗	0.2
	15	250	70 02	47 10	2312	12	90	729.0	-14.1	10 ⁻	0	2	×	10As	↗	0.5
	21	270	70 09	46 46	2339	12	90	726.0	-16.6	10 ⁻	0	7	×	10Ac	↗	0.5
	7	9	"	"	"	"	10	90	726.7	-19.6	10 ⁻	0	3	4	5Ac, 10 ⁻ Ci	↓
12		285	70 15	46 28	2342	8	80	728.5	-17.4	7	0	0	2	7Ci	↓	5
15		300	70 21	46 11	2322	8	80	730.0	-15.7	3	0	3	1	2Ac, 1Ci	↓	5
21		320	70 28	45 47	2291	3	80	732.4	-19.2	5	0	3	1	0 ⁺ Ac, 5Ci	⊙	80
8	9	320	70 28	45 47	2291	12	80	728.9	-17.8	0 ⁺	0	3	0	0 ⁺ Ac	↗	0.5
	12	335	70 32	45 24	2288	14	80	729.8	-16.0	0 ⁺	0	3	0	0 ⁺ Ac	↓	0.5
	15	355	70 37	44 54	2246	12	80	733.2	-13.8	5	0	3	1	1Ac, 5Ci	↗	1
	21	Mizuho Camp	70 42	44 18	2169	11	90	740.5	-15.5	5	0	0	1	5Ci	↓	20
9	9	"	"	"	"	14	90	740.6	-12.4	10 ⁻	0	7	×	10Ac	↓	10
	12	"	"	"	"	11	80	741.1	-9.0	10	0	7	×	10Ac	↓	10

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	CL	CM	CH	NC	w	V (km)
Jan. 9	15	Mizuho Camp	70° 42'	44° 18'	2169	9	80°	740.2	-10.2	10	0	7	×	10Ac	⊗	10
	21	"	"	"	"	6	100	739.6	-15.1	3	0	3	1	1Ac, 2Ci	⊙	80
10	9	"	"	"	"	11	90	737.5	-15.2	0 ⁺	0	3	1	0 ⁺ Ac, 0 ⁺ Ci	○	20
	12	"	"	"	"	11	80	737.8	-12.3	0 ⁺	0	3	0	0 ⁺ Ac	○	20
	15	"	"	"	"	10	80	738.8	-11.0	0 ⁺	0	3	0	0 ⁺ Ac	○	30
11	21	"	"	"	"	3	110	740.3	-15.4	0 ⁺	0	3	0	0 ⁺ Ac	○	80
	9	"	"	"	"	4	80	742.3	-14.4	0 ⁺	0	3	0	0 ⁺ Ac	○	50
	12	"	"	"	"	2	90	743.8	-11.2	0	0	0	0	---	○	50
	15	"	"	"	"	1	140	743.8	-11.4	0 ⁺	0	3	0	0 ⁺ Ac	○	50
12	21	"	"	"	"	3	80	744.7	-17.2	0	0	0	0	---	○	80
	9	"	"	"	"	8	70	750.7	-17.6	0	0	0	0	---	○	50
	12	X 4	70 43	44 04	2116	10	70	751.0	-15.0	0	0	0	0	---	○	50
	15	12	70 46	43 35	2087	9	70	753.0	-13.7	0	0	0	0	---	○	50
13	21	S169	70 49	43 07	2035	13	90	758.8	-15.5	0 ⁺	0	3	0	0 ⁺ Ac	○	50
	9	"	"	"	"	20	90	753.8	-13.6	10	0	2	×	10As	↑	0.02
	12	"	"	"	"	18	80	754.7	-10.5	10	0	2	×	10As	↑	0.02
	15	"	"	"	"	17	80	754.8	- 8.8	10	0	2	×	10As	↑	0.05
	21	"	"	"	"	7	70	758.5	-12.0	8	0	5	×	8Ac	↓	2
14	9	"	"	"	"	8	60	760.4	-11.1	10	0	2	×	10As	×	1
	12	"	"	"	"	8	60	762.3	- 9.8	10	0	2	×	10As	×	1
	15	"	"	"	"	9	65	761.9	- 9.2	10	0	2	×	10As	×	1
	21	"	"	"	"	7	65	761.8	-10.4	10	0	2	×	10As	×	2
15	9	"	"	"	"	11	80	763.5	-10.9	10	0	2	×	10As	↑	0.6
	12	"	"	"	"	12	75	763.9	-10.4	10	0	2	×	10As	↑	0.2
	15	"	"	"	"	10	80	765.4	-10.4	10	0	2	×	10As	↑	0.5
	21	"	"	"	"	10	80	764.9	-12.2	10	0	7	×	10Ac	↑	0.3
16	9	"	"	"	15	100	761.0	-15.9	1	0	3	0	1Ac	↑	0.2	

Date	L.T.	St. No.	Lat. (S)	Long. (E)	Alt. (m)	v (m/s)	d	P (mb)	T (°C)	N	Cl	C _M	C _H	NC	w	V (km)
Jan. 16	12	S165	70° 45'	43° 07'	2035	8	70°	762.0	-12.4	0 ⁺	0	3	0	0Ac	↘	20
	15	160	70 40	43 06	2008	8	80	762.4	-11.2	0 ⁺	0	3	0	0Ac	↘	30
	21	150	70 30	43 04	1971	3	130	763.7	-15.4	0 ⁺	0	0	1	0Ci	○	80
17	9	"	"	"	"	14	90	757.9	-16.9	0	0	0	0	---	↗	0.2
	12	"	"	"	"	14	80	757.9	-14.3	0 ⁺	0	3	0	0Ac	↗	0.3
	15	"	"	"	"	11	70	759.5	-13.0	0 ⁺	0	3	0	0Ac	↘	0.5
18	21	130	70 10	43 06	1900	3	70	767.4	-16.8	0 ⁺	0	0	1	0Ci	○	80
	9	122	70 01	43 06	1853	11	80	769.6	-17.4	1	0	3	1	1Ac, 0Ci	↗	1
	12	"	"	"	"	9	80	770.6	-13.9	0 ⁺	0	3	0	0Ac	↘	2
19	15	"	"	"	"	10	80	770.2	-13.0	0 ⁺	0	3	0	0Ac	↘	2
	21	"	"	"	"	5	100	769.8	-15.9	2	0	3	0	2Ac	○	80
	9	"	"	"	"	12	80	768.1	-16.6	1	0	3	1	1Ac, 0Ci	↘	2
20	12	"	"	"	"	12	80	768.8	-14.4	0 ⁺	0	3	0	0Ac,	↘	3
	15	106	69 44	42 54	1660	6	70	783.7	-11.2	0 ⁺	0	3	0	0Ac	○	50
	21	97	69 35	42 48	1605	2	120	793.4	-14.9	0 ⁺	0	3	0	0Ac	○	50
21	9	"	"	"	"	8	90	794.4	-12.2	1	0	3	0	1Ac	○	30
	12	"	"	"	"	7	80	795.5	-9.8	0 ⁺	0	3	0	0Ac	○	50
	15	85	69 22	42 38	1522	3	20	803.5	-8.2	0 ⁺	0	3	1	0Ac, 0Ci	○	50
22	21	70	69 07	42 29	1388	2	130	819.3	-14.3	4	0	3	9	0Ac, 3Cc	⊙	80
	9	"	"	"	"	5	50	821.5	-9.1	10 ⁻	0	7	×	10Ac	⊗	30
	12	"	"	"	"	5	30	823.0	-6.8	10	0	7	×	10Ac	⊗	20
22	15	50	69 04	41 35	1215	1	50	843.8	-5.4	10	0	7	6	8Ac, 6Cs	⊗	30
	21	47	69 04	41 26	1184	2	90	847.1	-9.4	10 ⁻	0	7	×	10Ac	⊗	30
	9	"	"	"	"	1	120	847.6	-6.9	8	0	3	×	8Ac	⊗	30
22	12	40	69 05	41 07	1112	1	300	855.8	-9.1	5	0	7	1	5Ac, 0Ci	⊙	50
	15	30	69 03	40 40	961	1	220	871.7	-5.7	6	5	3	0	0Sc, 6Ac	⊙	10
	21	16	69 02	40 03	553	2	160	923.6	-	10 ⁻	5	7	×	0Sc, 10Ac	⊗	30