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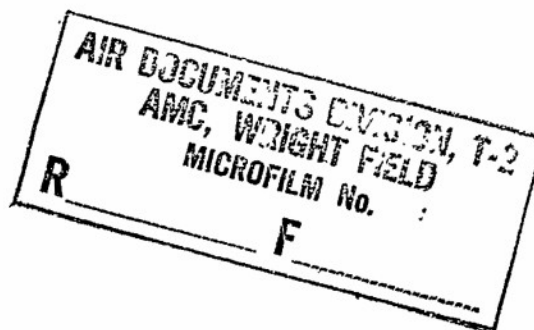
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SYNOPTIC ASPECTS OF THE CLIMATE
OF JAPAN; A PRELIMINARY REPORT

9230-TRI05-36

105-36

Part 1

Prepared by the Weather Central Division
Headquarters AAF Weather Service
August 1945

C6-1657, AF

PREFACE

This report presents certain features of the climate of Japan, especially those that affect military operations, according to the direction of the gradient wind at the times when the observations summarized were made. It is part of a larger report on the weather and climate of Japan, in preparation by the Special Studies Branch, Weather Central Division, Headquarters AAF Weather Service, which will contain, in addition, reductions of data by more conventional procedures. It is issued in its present form in order to make available in advance of publication of the final report some of the material already assembled.

Pages 101 through 245 of the report were issued in March 1945, as its "Part II." Publication of the pages that precede page 101 makes it unnecessary to retain any division of the preliminary report, now complete, into two parts. These pages are therefore not designated "Part I." They may be combined immediately with pages 101 through 245, to form the complete report. If, as is suggested on the reverse of the title page of Part II, that title page is torn off and discarded, the pagination is continuous through the entire publication.

Gradient winds were classified from synoptic charts drawn for the hours 0600 and 1800 local time of the meridian of 135° east longitude. In addition to the cardinal and first intermediate directions of the 8-point wind rose, the classification of gradient flow includes three groups of pressure structures that can not be defined by directions: Ridge and Center of High Pressure ("Ridge and High"); Trough, Center of Low Pressure, and Typhoon ("Trough and Low"); and Col and Indeterminate. The last-named class can not be defined satisfactorily, and so does not appear in tables 2 through 41, in which frequencies of the climatic phenomena are listed. It occurs with appreciable frequency only in Region 9, Formosa. The data refer to the 5 years 1931 through 1934 and 1936, except those for Formosa, where only 4 years, 1932 through 1934 and 1936, were used. Since all the classes of gradient flow can not be referred to by direction, the term "flow type" or "type of gradient flow" is sometimes used in the text where such an expression as "direction of gradient wind" is inappropriate.

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SYNOPTIC ASPECTS OF THE CLIMATE OF JAPAN: A PRELIMINARY REPORT

FREQUENCY OF TYPES OF GRADIENT FLOW

In the rather small sample represented by a 5-year record (4 in Formosa), some of the types of gradient flow occur infrequently. In tables 2 through 41, climatic data are given only for those types that occurred on at least 10 percent of the occasions represented by the bi-daily observations. A few exceptions are to be noted, where two regions are combined in the tables, and one of the regions experienced a given flow type in 10 percent or more of the observations, whereas the other region experienced it less frequently. In these instances, data are tabulated for both regions for all types that occurred at least 10 percent of the time in either region.

A division of the entire Japanese area into regions was necessary because the scale of the circulation structures that appear over it is usually too small to permit the assignment of synoptic situations to the same flow type over the whole area. Nine such regional subdivisions are used here, the extent of each of which may be seen in figure 1. These regions are numbered from 1 to 9, beginning in the north with southern Sakhalin or Karafuto, and ending in the south with Formosa. Korea, in the same latitude as Honshu, falls outside this general north-south order, and the two regions into which Korea is divided are assigned numbers that are somewhat arbitrary.

In table 1, the frequency of all 11 types in the several regions are tabulated to the nearest whole percent of all observations, for four seasons of the year. The seasons are the ordinary climatologic seasons of middle latitudes: winter, including December, January, and February; spring, March, April, and May; summer, June, July, and August; and autumn, September, October, and November. The types are classified as "primary" if they occurred 10 percent or more of the time in any region, and "secondary" if they occurred less frequently. Besides the exceptions noted in the foregoing paragraphs, "Trough and Low" in Region 4 is relegated to secondary rank even though it occurs on 12 percent of the occasions counted in summer. This type is infrequent in the other seasons in Region 4, and at all seasons in Region 3, which is combined in the tables with Region 4.

In winter, gradient winds with northerly components predominate, and in summer, gradient winds with southerly components, except in Formosa, where the general flow of air in winter has a larger easterly than northerly component. This difference between Formosa and the more northerly parts of the Japanese Empire accords with the direction of the isobars on maps of mean pressure. Only in Formosa, according to table 1, is there the great preponderance of winds from a small range of directions that is associated with the strict concept of a "monsoon," and that preponderance appears exclusively in autumn and winter. In summer, the gradient flow over Formosa is no more concentrated in one or two directions than it is in the regions farther north.

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TABLE 1.—PERCENTAGE FREQUENCY, BY SEASONS, OF TYPES OF FREE-AIR FLOW
PRIMARY TYPES

	PRIMARY TYPES							SECONDARY TYPES							Trough & Col & Inde-term.	
	N	NE	E	SE	S	SW	NW	Ridge & High	Trough & Low	N	E	S	W	NW	Low	
REGION 1																
Winter	26	32		3	2	3	21	2		4		2		2		3
Spring	7	13		8	6	24	17	8		4		5		4		4
Summer	2	5		15	11	35	6	10		4		4		3		5
Autumn	7	12		9	4	21	23	7		4		6		4		3
REGION 2																
Winter	14	15		4	1	4	41	7		2		3		7		2
Spring	6	9		7	6	19	24	11		2		6		8		2
Summer	2	5		14	12	32	8	8		3		4		7		5
Autumn	7	7		9	6	17	25	12		2		8		5		3
REGION 3																
Winter	12	10		2	2	4	48	13		2		2		3		2
Spring	9	7		5	9	15	25	15		4		5		3		3
Summer	3	7		14	16	25	9	9		3		5		5		4
Autumn	7	9		9	8	8	23	22		2		5		3		4
REGION 4																
Winter	19	24		1	1	4	28	16		2		1		3		1
Spring	10	18		4	5	15	11	21		5		3		6		2
Summer	1	9		10	8	28	6	12		5		3		12		6
Autumn	7	20		7	4	4	12	28		5		1		7		5
REGION 5																
Winter	17	28		2		4	22	16		5	1	1		2		2
Spring	6	24		6		15	8	19		7	6	3		3		3
Summer	1	10		12		29	5	14		3	7	5		9		5
Autumn	5	29		10		5	10	19		9	2	1		3		7
REGION 6																
Winter	18	29		4		4	18	14		6	1	1		2		3
Spring	6	24		7		11	9	21		8	6	2		3		3
Summer	1	11		15		26	3	15		5	7	4		8		5
Autumn	6	32		9		3	9	17		10	2	2		4		6
REGION 7																
Winter	28	22		6		2	24	7	2	5	1	2				1
Spring	6	12		7		10	22	18	6	3	4	6				6
Summer	*	4		16		25	8	18	9	4	8	2				6
Autumn	10	18		6		6	21	19	4	6	1	3				6
REGION 8																
Winter	24	34		3		4	11	16	3	2	1	1				1
Spring	8	11		2		27	14	13	12	2	3	6				2
Summer	2	3		2		45	5	13	11	1	7	5				6
Autumn	11	16		11		18	14	20	6	1	2	5				6
REGION 9																
Winter		29	59	5	0	0		1	3	1		0	1			1
Spring		13	35	16	4	5		5	12	0		*	*			10
Summer		5	3	9	15	22		10	10	1		6	3			16
Autumn		35	39	12	1	*		2	4	*		1	1			5

*Indicates more than 0.0 and less than 0.6%.

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In both summer and winter, the distribution of gradient winds among the several directions is closely related to the most frequent positions of fronts between air from the Asiatic Continent and tropical (or equatorial) air from the western Pacific Ocean, and to the paths of the cyclones that are formed on these fronts. In winter, fronts between air from over the Asiatic Continent and maritime tropical air usually lie over the sea, east and southeast of the chain of Japanese islands. The islands then lie within this originally continental air, and gradient winds over the main islands are most frequently from northwest, north, and northeast. These winds constitute the circulation often called the winter monsoon. In the latitude of Formosa, they have a larger component of motion from the east than farther north. Waves are most frequently formed on the fronts in the latitude of Formosa, but they do not deepen and give rise to strong cyclonic circulation until they have moved northeastward to the latitudes of the main Japanese islands. Gradient winds with southerly components are therefore less frequent over Formosa than farther north.

In the statistics of frequency of gradient winds, the change from winter to summer consists in an increase in frequency of winds with southerly components at the expense of those with northerly components. In summer, the most frequent direction is southwest, but south and southeast winds are also well represented. At this season, the fronts between polar and tropical (or equatorial) air, especially in late summer, usually lie across the northern part of the area with which this report is concerned. The paths of cyclones that are formed on these fronts then lie farther north than in winter, and are oriented more nearly west-east than are the paths of winter cyclones. Winds from the southerly octants are therefore more frequent than winds from the northerly octants, although gradient winds from NE, N, and NW are by no means lacking in summer. Typhoons, the paths of which are irregular, contribute winds from all directions to the statistics of frequency in summer and autumn. Hence, the predominance in summer of winds with southerly components is not so marked as that of winds with northerly components in winter. Such predominance as exists is the basis of what is often called the summer monsoon. Recognition of this predominance is of no great value in interpreting the weather of the area; it only indicates the greater probability in summer than in winter of weather associated with winds from the southerly octants.

ASSOCIATION OF WEATHER WITH FREE-AIR WINDS FROM VARIOUS DIRECTIONS

In the situation occupied by the Japanese islands and Korea, the adjacent continent and ocean are source regions of distinctive air masses, which almost always are present when the gradient winds blow from the respective directions of the continent and the ocean. The properties of the air arriving from different directions are especially significant because the lands of the Japanese area are mountainous, and therefore capable of releasing latent instability to produce cloudiness and precipitation on the windward sides of mountains. The presence of mountains thus introduces contrasts between windward and leeward sides, which may be read from tables 2 to 41, especially in column "D", which gives the percentage frequency of overcast with precipitation, and in the columns that give the frequency of four degrees of cloudiness, that are associated with the respective directions of gradient wind.

If the directions of the gradient winds in any given season varied in a random manner, the contrast between windward and lee sides of mountainous islands at any moment of observation would depend on the direction of the momentary flow of air, but seasonal averages of cloudiness and precipitation would not display any such contrast. But since winds from the northerly octants predominate in winter, and winds from the southerly octants in summer, there is a seasonal contrast in distribution of cloud and precipitation between windward and lee sides of the island chain, and less distinctly on the peninsula of Korea. On Honshu particularly, but also on Hokkaido, the coasts exposed to winds with northerly components are the cloudy and rainy parts of the islands in winter, and the coasts that face eastward or south-eastward have the clearest skies and least precipitation. In summer, the southward-facing coasts are the cloudier and rainier, and those that face northward are the sunnier and drier parts of the islands. The contrast between the two sides of the islands is less marked in summer than in winter, in accordance with the less marked concentration of gradient wind directions in the summer season. Mountains, which are not well represented in the list of stations used here (Ibuki, Region 5, at 4,514 ft., has the highest elevation of all the stations listed in tables 2-41) are, of course, cloudier and rainier than lowlands at all seasons.

SYNOPTIC CONDITIONS IN WHICH THE SEVERAL GRADIENT FLOWS OCCUR

NW, N, and NE gradient winds are everywhere most frequent in winter, and throughout the entire area of the main Japanese islands and in Korea occur in nearly the same synoptic situations, namely north of the centers of cyclones that are formed on the main polar front of the western margin of the Pacific. These cyclones usually follow paths directed from southwest to northeast, seaward from the principal Japanese islands, and as they pass along this route the islands experience a succession of free-air winds, from NE through N to NW. A few cyclones follow paths closer to the mainland, occluding over the Sea of Japan. These give successions of winds over Korea different from those experienced over the islands. The outflow of continental air following cyclones usually lasts for several days, thus giving a greater frequency of NW gradient winds than of the other winds with northerly components. In Formosa, the occurrence of NE and E gradient winds is less closely associated with cyclones than in the regions farther north; the circulation about the Asiatic anticyclone is more persistent here than farther north.

Gradient winds with southerly components can occur only with pressure gradients directed from the sea toward the land, a direction that is by far more frequent in summer than in winter. In summer synoptic charts frequently show a weak gradient directed from the western Pacific toward the continent of Asia, but the weak flow associated with this gradient is of little consequence with respect to local weather. SE, S, and SW gradient winds of appreciable strength occur only when a cyclone is centered to the west of a station. The cyclones that are so situated in relation to the various parts of the Japanese area are, with an exception that will be noted below, those that form on fronts oriented in a general east-west direction over the continent of Asia. These cyclones, moving eastward or east-northeastward, bring, successively, SE, S, and SW winds when their centers pass north of a station on one of the main Japanese islands or in Korea. They are, of course, followed by N and NW gradient winds.

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SE, S, and SW winds may also be experienced in Korea when a tropical cyclone, moving northward, passes over the Yellow Sea, or in the main Japanese islands when such a cyclone moves northeastward over the Sea of Japan. Over Formosa, the stronger gradients from SE, S, and SW are associated with tropical cyclones that move westward either directly across the island or pass it to the north or to the south. In the latter instance, they sometimes recurve northward to the west of the island, and so bring south winds to it.

High-pressure structures, either ridges or enclosed highs, occur most often between cyclones, although an extension of the North Pacific anticyclone sometimes gives a ridge structure over the various parts of the Japanese area instead of a simple gradient toward northwest, west, or southwest.

The type "trough and low" includes, in the tabulations of this report, more enclosed lows than troughs. It appears as a primary type in only two regions, namely southern Korea and Formosa. In the former region, troughs along fronts oriented southwest-northeast constitute an appreciable fraction of the occurrences of the type, the others being frontal cyclones moving eastward from over the continent and tropical cyclones passing northeastward inside the arc of the Japanese islands. In Formosa, except for rare frontal cyclones, "troughs and lows" are tropical cyclones that approach the island from the east and pass over it.

WEATHER CONDITIONS DESIGNATED BY LETTERS IN TABLES 2 THROUGH 41

- A Fog.
- B Precipitation.
- C Thunder or lightning.
- D Overcast with precipitation.
- E Low clouds predominating, and covering 4-tenths or more of the sky.
- F No fog or precipitation; total cloud cover less than 4-tenths. (Favorable for high-level bombing).
- G Winds 3 to 12 m.p.h. (Beaufort force 2 and 3), with no precipitation. (Favorable for chemical warfare).
- H Winds over 12 m.p.h., no precipitation. (Favorable for incendiary bombing).
- I No fog or precipitation; low clouds not predominant, or, if predominant, total cloudiness less than 6-tenths. (Favorable for low- and medium-level bombing).

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TABLE 2.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHERLY FLOW IN THE FREE AIR, REGIONS 1 AND 2

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No.	
										.0-	.4-	.7-	.9-	of	
										.3	.6	.8	1.0	obs.	
										0600 L.S.T.					
REGION 1															
Winter															
Shikuka	0	14	0	14	33	63	28	7	67	63	2	2	33	43	
Otomari	0	19	0	19	40	55	53	13	60	55	0	4	41	47	
Spring															
Shikuka	0	22	0	22	59	28	34	13	44	28	6	3	63	32	
Otomari	0	13	0	13	56	22	53	19	47	22	6	13	59	32	
Summer															
Shikuka	0	42	0	42	83	0	50	0	17	0	8	8	84	12	
Otomari	0	8	0	8	58	42	50	17	42	42	0	0	58	12	
Autumn															
Shikuka	0	22	0	22	57	43	39	9	48	44	4	4	48	23	
Otomari	9	17	0	17	65	22	22	43	30	26	4	13	57	23	
REGION 2															
Winter															
Shana	0	47	0	47	93	4	16	36	9	4	3	3	90	76	
Abashiri	1	50	0	46	68	24	32	6	36	24	6	8	62	78	
Asahigawa	5	51	0	49	90	9	12	3	12	9	4	10	77	78	
Kushiro	0	8	0	8	31	64	50	18	73	66	5	6	23	78	
Sapporo	0	36	0	35	74	26	31	14	29	26	4	5	65	78	
Hakodate	0	38	0	32	73	20	23	35	25	23	5	11	61	79	
Spring															
Shana	0	56	0	56	82	6	24	12	18	6	0	0	94	34	
Abashiri	0	54	0	54	83	12	27	10	17	12	2	5	81	41	
Asahigawa	0	43	3	40	85	13	20	3	18	13	2	5	80	40	
Kushiro	7	32	0	32	80	12	29	24	22	12	5	7	76	41	
Sapporo	2	37	0	34	90	7	24	24	17	7	7	8	81	41	
Hakodate	0	20	0	15	68	22	24	44	41	22	17	12	49	41	
Summer															
Shana	13	38	0	38	88	0	63	0	13	0	0	0	100	8	
Abashiri	13	25	0	25	100	0	25	0	0	0	0	0	100	8	
Asahigawa	0	29	0	29	100	0	14	0	0	0	0	0	100	7	
Kushiro	13	50	0	50	88	13	38	0	13	13	0	0	87	8	
Sapporo	13	38	0	38	100	0	25	0	0	0	0	0	100	8	
Hakodate	0	25	0	25	88	13	25	13	13	13	0	0	87	8	
Autumn															
Shana	0	35	0	35	94	0	35	29	10	0	7	3	90	31	
Abashiri	0	35	0	29	74	13	32	13	35	13	10	10	67	31	
Asahigawa	13	19	0	19	81	19	23	3	23	20	3	3	74	31	
Kushiro	10	19	0	19	55	39	23	32	48	42	6	10	42	31	
Sapporo	3	29	0	26	65	26	35	3	42	25	10	10	55	31	
Hakodate	0	16	3	16	58	32	39	32	48	32	13	10	46	31	

											Cloud cover, tenths				No. of obs.
A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0			
1800 L.S.T.															
REGION 1															
<u>Winter</u>															
Shikuka	0	6	0	6	16	74	43	15	84	73	2	5	20	117	
Otomari	0	13	0	12	38	56	55	20	62	56	4	4	36	118	
<u>Spring</u>															
Shikuka	0	22	0	19	63	31	31	31	34	34	3	3	60	32	
Otomari	0	35	0	35	65	18	38	21	35	17	9	9	65	34	
<u>Summer</u>															
Shikuka	0	14	0	14	71	29	57	14	29	29	0	0	71	7	
Otomari	0	14	0	14	57	29	43	29	43	29	14	0	57	7	
<u>Autumn</u>															
Shikuka	0	11	0	11	46	54	61	0	54	53	0	4	43	28	
Otomari	0	7	0	7	54	36	64	21	57	36	14	7	43	28	
REGION 2															
<u>Winter</u>															
Shana	0	55	0	51	92	78	12	31	14	8	8	6	78	51	
Abashiri	0	50	0	43	63	32	26	10	38	34	6	4	56	68	
Asahigawa	0	32	0	32	75	22	18	0	28	22	3	7	68	68	
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Sapporo	0	37	0	32	65	31	35	7	37	31	6	1	62	68	
Hakodate	0	32	0	25	59	40	40	26	43	40	7	9	44	68	
<u>Spring</u>															
Shana	0	59	0	59	86	5	18	18	14	5	0	0	95	22	
Abashiri	0	56	0	48	88	80	36	4	20	8	8	8	76	25	
Asahigawa	0	44	0	40	80	20	40	0	20	20	4	4	72	25	
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Sapporo	0	36	0	32	80	12	16	44	20	12	4	12	72	25	
Hakodate	0	20	0	16	44	40	20	60	56	44	4	4	48	25	
<u>Summer</u>															
Shana	0	67	0	67	92	0	33	0	8	0	0	8	92	12	
Abashiri	0	25	8	25	100	0	33	17	0	0	0	8	92	12	
Asahigawa	0	8	0	8	33	50	67	0	67	50	8	0	42	12	
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Sapporo	0	8	0	8	42	42	58	33	58	42	0	8	50	12	
Hakodate	0	17	0	17	42	33	25	50	58	33	9	25	33	12	
<u>Autumn</u>															
Shana	0	29	0	29	81	16	26	35	19	16	3	13	68	31	
Abashiri	0	30	0	30	80	17	33	13	27	17	13	3	67	30	
Asahigawa	0	19	0	19	65	35	26	0	39	36	3	6	55	31	
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Sapporo	0	30	0	30	70	30	33	10	37	30	10	10	50	30	
Hakodate	0	0	0	0	35	48	45	52	71	48	13	10	29	31	

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TABLE 3.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHEASTERLY FLOW IN THE FREE AIR, REGIONS 1 AND 2

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No.
										.0-	.4-	.7-	.9-	of
										.3	.5	.8	1.0	obs.
A	B	C	D	E	F	G	H	I	J					
0600 L.S.T.														
REGION 1														
Winter														
Shikuka	3	8	0	8	20	73	38	5	78	75	0	10	15	40
Otomari	0	8	0	8	38	60	55	5	63	60	0	2	38	40
Spring														
Shikuka	18	14	0	14	57	29	36	4	39	36	0	3	61	28
Otomari	11	19	4	15	37	33	11	33	63	33	19	11	37	27
Summer														
Shikuka	15	15	0	15	77	15	38	0	23	15	4	0	81	26
Otomari	12	8	0	8	76	8	44	8	24	8	8	4	80	25
Autumn														
Shikuka	8	8	0	8	38	58	43	8	63	57	3	3	37	40
Otomari	3	0	0	0	56	33	62	13	49	33	8	18	41	39
REGION 2														
Winter														
Shana	0	42	0	42	85	10	24	31	16	10	2	4	84	88
Abashiri	0	31	0	29	64	25	40	7	38	26	6	6	62	95
Asahigawa	6	35	0	33	86	11	8	1	16	11	4	4	81	95
Kushiro	1	5	0	5	29	59	61	12	72	59	4	3	34	94
Sapporo	1	27	0	26	72	23	27	4	32	23	5	5	67	95
Hakodate	0	20	0	17	57	33	49	17	46	33	5	8	54	95
Spring														
Shana	7	23	0	23	77	10	25	42	25	10	2	7	81	60
Abashiri	3	21	0	18	63	29	36	11	39	30	4	6	60	72
Asahigawa	4	24	0	22	68	24	21	0	33	24	5	4	67	72
Kushiro	6	21	0	21	58	33	53	18	49	33	11	4	52	72
Sapporo	0	24	0	24	58	32	26	11	46	32	10	5	53	72
Hakodate	1	14	0	14	47	39	35	21	57	39	10	0	51	72
Summer														
Shana	3	21	0	21	82	5	38	21	18	5	3	10	82	39
Abashiri	8	18	0	18	74	16	42	0	26	16	5	3	76	38
Asahigawa	3	11	0	11	79	11	16	0	21	10	3	3	84	38
Kushiro	10	18	0	18	95	3	44	5	5	2	0	3	95	39
Sapporo	5	15	0	15	77	10	31	3	26	10	3	5	82	39
Hakodate	8	8	0	8	74	13	37	11	26	13	3	13	71	38
Autumn														
Shana	1	15	0	13	83	14	37	40	24	14	8	11	67	87
Abashiri	0	8	0	6	66	24	58	5	35	24	6	13	57	86
Asahigawa	25	18	0	16	79	10	14	1	17	14	4	3	79	87
Kushiro	10	9	0	9	54	36	51	14	49	36	7	4	53	87
Sapporo	2	7	0	7	59	29	36	7	47	29	14	13	44	86
Hakodate	1	13	0	11	47	36	41	17	53	38	7	10	45	87

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											Cloud cover, tenths				No.
											.0-	.4-	.7-	19-	of
											.3	.6	.8	1.0	obs.
A	B	C	D	E	F	G	H	I	1800 L.S.T.						
REGION 1															
Winter															
Shikuka	0	16	0	16	36	53	33	21	65	53	7	4	36	141	
Otomari	1	28	0	26	56	35	46	22	47	36	8	5	51	140	
Spring															
Shikuka	0	42	0	40	63	27	40	10	37	27	2	6	65	48	
Otomari	0	42	0	42	92	4	25	31	8	4	0	4	92	48	
Summer															
Shikuka	0	31	0	31	81	6	44	13	19	6	6	0	88	16	
Otomari	0	25	0	25	85	10	40	25	15	10	10	5	75	20	
Autumn															
Shikuka	0	13	0	13	58	35	58	4	42	34	4	4	58	52	
Otomari	2	34	0	34	75	19	50	15	25	19	6	2	73	52	
REGION 2															
Winter															
Shana	0	32	0	27	87	3	29	32	19	3	6	7	84	63	
Abashiri	0	36	0	34	69	20	32	5	35	20	8	11	61	74	
Asahigawa	0	32	0	30	70	20	18	1	28	23	10	1	66	74	
Kushiro	-	-	-	-	-	-	NO DATA			-	-	-	-	-	
Sapporo	0	27	0	27	67	26	23	10	34	26	4	4	66	73	
Hakodate	0	24	0	19	57	30	49	23	47	30	11	8	51	74	
Spring															
Shana	3	61	0	61	95	0	10	14	8	0	3	0	97	38	
Abashiri	2	66	0	66	88	10	17	7	12	10	0	2	88	41	
Asahigawa	0	34	0	34	71	22	51	2	32	22	2	3	73	41	
Kushiro	-	-	-	-	-	-	NO DATA			-	-	-	-	-	
Sapporo	0	34	0	32	80	17	24	39	29	17	12	0	71	41	
Hakodate	2	10	0	10	56	34	17	66	46	34	8	7	51	41	
Summer															
Shana	4	28	0	28	92	4	32	16	16	4	8	8	80	25	
Abashiri	0	35	0	35	88	8	42	0	12	8	0	15	77	26	
Asahigawa	0	12	4	12	73	12	73	0	31	12	12	15	61	26	
Kushiro	-	-	-	-	-	-	NO DATA			-	-	-	-	-	
Sapporo	0	23	0	19	69	12	50	23	27	12	12	15	61	26	
Hakodate	0	4	0	4	50	31	50	23	54	30	11	0	58	26	
Autumn															
Shana	0	51	0	46	74	11	31	9	26	14	66	3	77	35	
Abashiri	3	34	0	34	77	11	40	6	26	11	3	3	83	35	
Asahigawa	3	9	0	9	57	29	43	0	46	28	3	6	63	35	
Kushiro	-	-	-	-	-	-	NO DATA			-	-	-	-	-	
Sapporo	0	15	0	15	56	29	50	3	44	29	3	3	65	34	
Hakodate	0	20	0	14	43	34	46	20	63	34	9	14	43	35	

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TABLE 4.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHEASTERLY FLOW IN THE FREE AIR, REGIONS 1 AND 2

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No. of obs.
A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0		
0600 L.S.T.														
REGION 1														
Winter														
Shikuka	0	25	0	25	50	50	50	0	50	50	0	0	50	4
Otomari	0	20	0	20	80	0	20	0	20	0	0	0	100	5
Spring														
Shikuka	11	5	0	5	63	26	47	0	37	26	5	0	69	19
Otomari	0	5	0	5	58	32	47	11	42	32	10	0	58	19
Summer														
Shikuka	29	17	0	17	74	12	34	0	22	16	3	3	78	58
Otomari	14	0	0	0	69	19	49	5	31	19	7	3	71	59
Autumn														
Shikuka	10	10	0	10	52	29	39	0	45	32	7	6	55	31
Otomari	0	7	0	7	48	23	55	7	52	22	10	10	58	31
REGION 2														
Winter														
Shana	0	0	0	0	100	0	0	100	0	0	0	50	50	2
Abashiri	0	0	0	0	50	50	50	0	50	50	0	0	50	2
Asahigawa	50	0	0	0	100	0	0	0	0	0	0	0	100	2
Kushiro	0	0	0	0	50	50	50	0	50	50	0	0	50	2
Sapporo	0	0	0	0	50	50	0	0	50	50	0	0	50	2
Hakodate	0	0	0	0	100	0	50	0	50	0	50	0	50	2
Spring														
Shana	7	7	0	7	53	27	60	20	47	26	7	0	67	15
Abashiri	5	20	0	20	55	30	30	10	50	30	20	0	50	20
Asahigawa	5	5	0	5	60	30	10	0	45	30	5	10	55	20
Kushiro	15	10	0	10	50	30	40	0	60	30	15	5	50	20
Sapporo	0	5	0	5	35	20	50	10	70	20	10	5	65	20
Hakodate	0	0	0	0	50	15	60	5	55	15	5	0	80	20
Summer														
Shana	7	7	0	7	49	33	60	7	51	35	12	2	51	43
Abashiri	5	0	0	0	42	47	49	5	60	47	2	5	46	43
Asahigawa	14	5	0	5	72	19	2	0	30	19	9	5	67	43
Kushiro	23	9	0	9	88	7	56	5	12	7	0	0	93	43
Sapporo	5	5	0	5	53	28	56	9	51	28	5	11	56	43
Hakodate	0	9	0	7	72	21	58	5	30	21	2	5	72	43
Autumn														
Shana	4	8	0	8	40	28	72	8	60	28	8	0	64	25
Abashiri	4	4	0	4	32	44	52	0	68	44	0	16	40	25
Asahigawa	52	4	0	4	84	4	0	0	8	8	0	4	88	25
Kushiro	32	12	0	12	76	12	44	0	24	12	0	16	72	25
Sapporo	0	8	0	8	42	38	46	0	58	38	0	8	54	24
Hakodate	0	24	0	24	44	24	20	8	60	24	8	4	64	25

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										Cloud cover, tenths				No. of obs.
										.0- .3	.4- .6	.7- .8	.9- 1.0	
A	B	C	D	E	F	G	H	I						
REGION 1										1800 L.S.T.				
<u>Winter</u>														
Shikuka	0	50	0	50	67	33	17	0	33	33	0	8	59	12
Otomari	0	42	0	42	83	17	17	25	25	17	8	0	75	12
<u>Spring</u>														
Shikuka	3	18	0	18	85	10	56	13	21	10	13	0	77	39
Otomari	3	26	0	26	64	10	26	38	36	10	5	0	85	39
<u>Summer</u>														
Shikuka	11	14	0	14	92	3	74	5	8	3	2	6	89	65
Otomari	1	21	0	19	78	7	39	39	22	7	3	3	87	67
<u>Autumn</u>														
Shikuka	3	26	0	21	74	18	54	13	23	20	0	3	77	39
Otomari	0	26	0	26	82	5	41	26	23	5	8	2	85	39
REGION 2														
<u>Winter</u>														
Shana	0	6	0	6	56	13	81	13	50	12	13	6	69	16
Abashiri	0	25	0	25	50	21	38	0	50	21	8	0	71	24
Asahigawa	0	21	0	21	79	13	13	4	21	13	4	4	79	24
Kushiro	-	-	-	-	-	-	NO DATA		-	-	-	-	-	-
Sapporo	0	38	0	38	67	4	46	0	29	4	0	0	96	24
Hakodate	0	46	0	46	79	0	46	4	21	0	0	8	92	24
<u>Spring</u>														
Shana	4	12	0	12	68	16	68	16	32	16	0	8	76	25
Abashiri	0	19	0	16	68	10	45	3	35	10	9	10	71	31
Asahigawa	0	19	0	19	53	19	53	6	47	19	3	6	72	32
Kushiro	-	-	-	-	-	-	NO DATA		-	-	-	-	-	-
Sapporo	0	22	0	22	47	16	56	13	53	16	6	9	69	32
Hakodate	0	38	0	38	56	25	44	19	44	25	3	0	72	32
<u>Summer</u>														
Shana	2	12	0	12	61	17	55	14	41	17	3	3	77	66
Abashiri	2	11	2	11	62	23	40	3	40	23	2	9	66	65
Asahigawa	0	14	3	14	70	6	52	6	36	6	11	4	79	66
Kushiro	-	-	-	-	-	-	NO DATA		-	-	-	-	-	-
Sapporo	0	21	0	21	55	15	55	17	47	15	8	15	62	66
Hakodate	0	29	0	29	86	3	53	17	17	3	8	2	86	66
<u>Autumn</u>														
Shana	0	15	0	15	59	20	73	5	44	22	7	10	61	41
Abashiri	0	19	0	19	71	17	57	2	33	17	2	7	74	42
Asahigawa	2	26	0	26	71	12	24	0	24	14	2	5	79	42
Kushiro	-	-	-	-	-	-	NO DATA		-	-	-	-	-	-
Sapporo	0	31	0	31	76	12	50	5	26	12	2	7	79	42
Hakodate	0	43	0	43	85	8	33	25	18	7	5	5	83	40

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TABLE 5.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHERLY FLOW IN THE FREE AIR, REGIONS 1 AND 2

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No.
										.0-	.4-	.7-	.9-	of
										.3	.6	.8	1.0	obs.
A	B	C	D	E	F	G	H	I		0600 L.S.T.				
REGION 1														
Winter														
Shikuka	0	20	0	20	30	60	30	0	70	60	0	0	40	10
Otomari	0	10	0	10	50	30	70	0	60	30	20	10	40	10
Spring														
Shikuka	21	12	0	12	67	33	39	3	33	33	0	0	67	33
Otomari	3	6	0	6	41	22	38	16	63	22	6	3	69	32
Summer														
Shikuka	14	15	0	15	69	21	46	4	32	21	3	1	75	71
Otomari	10	11	0	11	69	15	40	10	32	15	4	7	74	73
Autumn														
Shikuka	7	3	0	3	50	33	50	0	50	33	7	13	47	30
Otomari	3	7	0	7	43	20	50	10	57	20	17	3	60	30
REGION 2														
Winter														
Shana	0	0	0	0	100	0	0	67	0	0	0	0	100	3
Abashiri	0	0	0	0	67	33	33	0	33	33	0	33	34	3
Asahigawa	0	33	0	33	100	0	0	0	0	0	0	0	100	3
Kushiro	0	0	0	0	0	100	67	0	100	100	0	0	0	3
Sapporo	0	0	0	0	33	67	0	0	67	67	0	33	0	3
Hakodate	0	0	0	0	67	33	100	0	33	33	33	0	34	3
Spring														
Shana	0	0	0	0	45	36	64	27	55	36	0	9	55	11
Abashiri	0	0	0	0	29	29	36	21	71	29	0	7	64	14
Asahigawa	7	7	0	7	50	29	14	0	50	29	0	7	64	14
Kushiro	7	0	0	0	64	21	50	7	43	22	7	7	64	14
Sapporo	0	21	0	21	36	14	36	14	64	14	22	0	64	14
Hakodate	0	21	0	21	43	14	43	0	57	14	7	0	79	14
Summer														
Shana	6	0	0	0	67	12	58	6	36	12	6	3	79	33
Abashiri	3	3	0	3	21	52	48	6	82	52	9	3	36	33
Asahigawa	12	0	0	0	52	21	12	0	48	21	3	3	73	33
Kushiro	45	3	0	3	94	0	48	3	9	0	6	0	94	33
Sapporo	3	3	0	3	27	15	52	15	73	15	3	15	67	33
Hakodate	9	6	0	6	58	6	30	6	42	6	12	9	73	33
Autumn														
Shana	0	10	0	10	52	14	76	14	48	14	5	19	62	21
Abashiri	0	14	0	14	62	10	48	0	43	10	10	28	52	21
Asahigawa	38	10	0	10	76	10	5	0	24	10	9	5	76	21
Kushiro	24	19	0	19	76	5	38	0	29	5	14	0	81	21
Sapporo	0	19	0	19	52	14	48	5	48	14	10	5	71	21
Hakodate	0	14	0	14	62	10	24	19	38	9	5	5	81	21

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										Cloud cover, tenths				No. of obs.
										.0-	.4-	.7-	.9-	
										.3	.6	.8	1.0	
A	B	C	D	E	F	G	H	I						
1800 L.S.T.														
REGION 1														
<u>Winter</u>														
Shikuka	0	50	0	50	80	1	20	0	10	10	0	0	90	10
Otomari	0	40	0	40	90	0	30	10	20	0	10	0	90	10
<u>Spring</u>														
Shikuka	6	15	0	15	79	9	71	6	18	9	6	0	85	34
Otomari	3	15	0	15	50	15	62	9	50	15	3	15	67	34
<u>Summer</u>														
Shikuka	9	11	0	11	72	26	78	9	28	26	0	4	70	54
Otomari	9	9	0	9	65	18	67	9	40	18	21	10	51	57
<u>Autumn</u>														
Shikuka	6	11	0	11	61	39	56	22	39	39	0	0	61	18
Otomari	0	11	0	11	56	28	50	22	44	28	0	0	72	18
REGION 2														
<u>Winter</u>														
Shana	0	25	0	25	50	50	25	50	50	50	0	0	50	4
Abashiri	0	0	0	0	25	25	50	25	75	25	25	0	50	4
Asahigawa	0	25	0	25	100	0	50	0	0	0	0	25	75	4
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Sapporo	0	0	0	0	75	0	25	50	25	0	0	0	100	4
Hakodate	0	0	0	0	75	25	50	25	25	25	0	25	50	4
<u>Spring</u>														
Shana	0	7	0	4	41	26	41	37	63	26	4	4	66	27
Abashiri	3	13	0	9	56	19	31	19	50	19	12	6	63	32
Asahigawa	3	22	0	22	69	6	44	3	134	6	10	3	81	32
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Sapporo	0	29	0	29	55	19	39	19	45	19	7	0	74	31
Hakodate	0	28	0	28	59	9	47	13	41	9	0	10	81	32
<u>Summer</u>														
Shana	4	8	0	8	53	20	51	14	51	20	6	4	70	51
Abashiri	2	10	0	10	56	27	50	2	50	27	8	11	54	52
Asahigawa	0	18	2	18	69	18	57	0	35	17	10	10	63	51
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Sapporo	0	17	0	17	44	21	62	12	52	21	8	6	65	52
Hakodate	0	19	0	19	75	13	60	13	27	13	4	6	77	52
<u>Autumn</u>														
Shana	0	0	0	0	56	12	72	16	48	16	16	20	48	25
Abashiri	0	8	0	8	56	28	64	4	48	28	8	12	52	25
Asahigawa	0	12	0	12	68	24	40	0	32	28	4	12	56	25
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Sapporo	0	16	0	16	60	20	52	12	40	20	0	8	72	25
Hakodate	0	28	0	28	75	20	36	20	24	20	0	4	76	25

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TABLE 6.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHWESTERLY FLOW IN THE FREE AIR, REGIONS 1 AND 2

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No.		
										.0-	.4-	.7-	.9-	of		
										.3	.6	.8	1.0	obs.		
										0600 L.S.T.						
REGION 1																
Winter																
Shikuka	0	27	0	27	40	47	20	0	60	47	0	0	53	15		
Otomari	0	40	0	40	87	7	13	33	20	7	7	0	86	15		
Spring																
Shikuka	3	15	0	15	71	19	53	2	29	19	0	2	79	62		
Otomari	5	19	0	19	66	15	42	23	34	15	3	5	77	62		
Summer																
Shikuka	11	21	0	21	75	16	39	2	25	16	4	2	78	109		
Otomari	12	15	0	15	78	9	43	14	21	9	3	4	84	115		
Autumn																
Shikuka	0	19	0	19	61	29	48	3	42	29	6	7	58	31		
Otomari	0	13	0	13	63	16	34	41	38	16	9	9	66	32		
REGION 2																
Winter																
Shana	0	20	0	20	80	0	40	40	20	0	0	0	100	10		
Abashiri	0	7	0	7	71	7	36	14	29	7	0	7	86	14		
Asahigawa	7	43	0	43	93	0	14	0	7	0	0	7	93	14		
Kushiro	14	14	0	14	64	14	43	21	43	14	14	0	72	14		
Sapporo	0	36	0	29	79	7	29	0	21	7	7	7	79	14		
Hakodate	0	43	0	43	79	0	36	7	29	0	14	7	79	14		
Spring																
Shana	4	12	0	10	46	23	46	36	54	20	2	4	74	50		
Abashiri	2	5	0	5	34	18	36	21	68	18	7	5	70	56		
Asahigawa	2	20	0	20	64	13	16	0	39	12	7	4	77	56		
Kushiro	25	16	0	16	71	9	54	27	30	9	12	4	75	56		
Sapporo	0	16	0	16	55	16	46	25	45	16	2	5	77	56		
Hakodate	2	29	0	29	64	13	25	9	36	12	2	4	82	56		
Summer																
Shana	13	16	0	16	67	15	48	12	34	15	3	4	78	116		
Abashiri	7	11	1	11	62	19	30	2	40	20	7	9	64	118		
Asahigawa	8	14	0	14	74	9	8	0	26	10	2	2	86	118		
Kushiro	35	13	0	12	86	8	40	2	14	8	3	7	82	118		
Sapporo	6	19	0	19	64	13	36	5	37	13	7	6	74	118		
Hakodate	3	17	1	17	71	11	22	4	30	11	6	5	78	116		
Autumn																
Shana	18	0	9	0	82	9	64	27	18	9	0	0	91	11		
Abashiri	0	27	0	27	100	0	27	9	9	0	18	0	82	11		
Asahigawa	9	27	0	27	91	0	18	0	0	0	0	0	100	11		
Kushiro	0	27	0	27	82	9	36	9	18	9	0	0	91	11		
Sapporo	0	9	0	9	82	9	73	0	27	9	9	9	73	11		
Hakodate	0	45	0	45	64	27	36	0	36	27	0	0	73	11		

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										Cloud cover, tenths				No.
A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0	of obs.	
1800 L.S.T.														
REGION 1														
<u>Winter</u>														
Shikuka	0	0	0	0	38	46	15	0	62	46	0	8	46	13
Otomari	0	25	0	25	67	17	50	17	33	17	16	0	67	12
<u>Spring</u>														
Shikuka	3	3	0	3	48	41	57	22	52	42	7	3	48	115
Otomari	3	9	0	9	49	30	54	29	56	30	13	4	53	117
<u>Summer</u>														
Shikuka	7	8	0	8	56	25	73	9	44	25	6	7	62	150
Otomari	7	6	0	6	48	29	61	24	50	29	6	9	56	161
<u>Autumn</u>														
Shikuka	2	9	0	9	38	55	59	11	65	55	10	3	32	99
Otomari	0	8	0	8	37	51	53	32	65	52	7	12	29	99
REGION 2														
<u>Winter</u>														
Shana	0	20	0	20	40	30	55	25	65	30	5	5	60	20
Abashiri	0	5	0	0	55	36	64	18	45	36	9	23	32	22
Asahigawa	0	32	0	32	86	9	36	9	18	9	5	0	86	22
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Sapporo	0	33	0	29	81	10	52	10	19	9	5	5	81	21
Hakodate	0	33	0	33	71	14	52	14	29	14	0	5	81	21
<u>Spring</u>														
Shana	1	6	0	6	30	41	44	30	70	40	5	9	46	79
Abashiri	0	7	0	7	30	34	46	13	74	34	11	6	49	92
Asahigawa	0	16	0	16	59	18	47	7	45	17	10	9	64	91
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Sapporo	0	10	0	10	47	15	47	34	55	15	7	4	74	91
Hakodate	0	17	0	16	40	22	59	19	61	22	7	5	66	90
<u>Summer</u>														
Shana	6	6	0	6	49	22	47	21	53	22	6	8	64	156
Abashiri	4	9	1	8	53	24	28	8	52	24	12	13	51	157
Asahigawa	0	6	0	6	50	18	66	0	53	19	6	9	66	157
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Sapporo	0	8	0	7	49	16	58	16	54	16	10	9	64	158
Hakodate	0	6	0	6	48	27	65	15	53	27	5	6	62	157
<u>Autumn</u>														
Shana	0	5	0	4	35	50	58	28	68	50	4	6	40	78
Abashiri	0	0	1	3	23	60	66	6	77	60	3	6	31	77
Asahigawa	4	8	0	5	54	36	27	3	47	38	9	5	48	78
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Sapporo	0	10	0	10	28	42	59	5	72	42	4	77	47	78
Hakodate	0	12	0	12	37	45	65	8	67	45	4	6	45	49

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TABLE 7.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHWESTERLY FLOW IN THE FREE AIR, REGIONS 1 AND 2

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

											Cloud cover, tenths				No.
											.0-	.4-	.7-	.9-	of
											.3	.6	.8	1.0	obs.
A	B	C	D	E	F	G	H	I	0600 L. S. T.						
REGION 1															
<u>Winter</u>															
Shikuka	*	12	0	11	38	56	34	16	63	56	4	2	38	215	
Otomari	*	14	0	13	54	36	49	22	47	36	6	5	53	215	
<u>Spring</u>															
Shikuka	4	22	0	22	69	26	38	17	31	26	4	4	66	103	
Otomari	2	26	0	26	66	18	25	26	39	18	10	9	63	107	
<u>Summer</u>															
Shikuka	5	24	0	24	87	3	37	0	13	3	0	10	87	38	
Otomari	3	23	0	23	90	3	30	28	10	2	5	8	85	40	
<u>Autumn</u>															
Shikuka	1	23	0	22	69	25	49	11	31	25	4	11	60	95	
Otomari	1	19	1	19	78	9	35	38	28	9	11	13	67	97	
REGION 2															
<u>Winter</u>															
Shana	0	39	0	38	88	9	20	36	16	9	4	4	83	97	
Abashiri	0	30	0	29	59	29	44	11	45	29	7	6	58	142	
Asahigawa	3	56	0	53	89	10	9	1	12	10	4	5	81	143	
Kushiro	1	14	0	14	37	49	42	15	66	51	7	4	38	140	
Sapporo	0	45	0	41	71	26	22	8	31	26	5	4	65	143	
Hakodate	0	41	0	36	71	22	26	28	31	24	9	8	59	143	
<u>Spring</u>															
Shana	0	59	0	56	94	3	6	35	9	3	3	6	88	34	
Abashiri	0	41	0	41	79	14	32	13	21	14	0	9	77	56	
Asahigawa	0	43	0	39	84	9	14	9	16	9	4	7	80	56	
Kushiro	16	23	0	23	57	27	36	16	41	27	2	2	69	56	
Sapporo	0	29	0	27	84	13	38	16	21	13	5	14	68	56	
Hakodate	0	30	0	29	73	21	21	34	32	21	7	9	63	56	
<u>Summer</u>															
Shana	6	39	0	39	94	0	27	18	9	0	6	3	91	33	
Abashiri	3	46	0	43	71	17	23	0	29	20	6	0	74	35	
Asahigawa	3	23	0	23	94	6	26	3	6	6	3	6	85	35	
Kushiro	11	23	0	20	77	6	49	11	26	6	9	0	85	35	
Sapporo	6	26	0	23	80	14	29	9	20	14	0	0	86	35	
Hakodate	0	11	0	11	60	29	31	23	40	29	3	14	54	35	
<u>Autumn</u>															
Shana	0	36	0	36	92	6	17	45	9	6	7	13	74	53	
Abashiri	0	15	0	15	64	26	49	19	47	26	13	17	44	53	
Asahigawa	6	39	0	37	89	7	28	2	13	7	4	7	82	54	
Kushiro	7	17	0	17	59	33	41	22	48	33	11	8	48	54	
Sapporo	0	31	0	31	85	9	35	7	15	11	4	18	67	54	
Hakodate	0	30	0	22	70	28	20	43	31	30	9	11	50	54	

* Signifies less than 0.5 and greater than 0.0.

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										Cloud cover, tenths				No.	
										.0- .3	.4- .6	.7- .8	.9- 1.0	of obs.	
A	B	C	D	E	F	G	H	I							
REGION 1										1800 L.S.T.					
<u>Winter</u>															
Shikuka	0	2	0	1	20	73	40	10	79	73	5	5	17	102	
Otomari	0	11	0	9	40	55	41	40	67	55	13	3	29	102	
<u>Spring</u>															
Shikuka	3	9	0	9	51	44	68	9	53	44	14	6	36	78	
Otomari	1	5	0	4	35	53	39	50	69	54	6	7	33	80	
<u>Summer</u>															
Shikuka	0	5	0	5	47	32	74	0	58	32	11	10	47	99	
Otomari	0	5	0	5	14	57	43	48	86	57	19	0	24	21	
<u>Autumn</u>															
Shikuka	0	8	0	7	39	59	65	6	63	59	4	7	30	108	
Otomari	0	6	0	5	50	48	34	58	54	48	10	11	31	109	
REGION 2															
<u>Winter</u>															
Shana	0	45	0	39	91	8	9	44	13	8	6	9	77	142	
Abashiri	0	25	0	23	46	48	42	10	56	48	7	5	40	177	
Asahigawa	1	58	0	51	88	11	15	0	12	12	5	8	75	178	
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Sapporo	0	27	1	23	61	33	43	6	40	35	8	7	50	178	
Hakodate	0	45	0	38	77	19	25	29	24	20	6	12	62	177	
<u>Spring</u>															
Shana	5	29	0	28	72	20	26	38	29	21	5	5	69	82	
Abashiri	0	22	0	19	58	28	31	12	46	28	7	11	54	113	
Asahigawa	0	27	0	25	67	24	61	2	38	24	7	8	61	114	
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Sapporo	0	17	0	13	57	33	48	24	43	34	2	15	49	113	
Hakodate	0	10	0	7	50	39	27	63	52	40	8	18	34	113	
<u>Summer</u>															
Shana	4	22	0	22	74	13	52	17	26	13	4	13	70	23	
Abashiri	4	22	4	22	65	22	22	0	39	22	13	17	48	23	
Asahigawa	0	8	0	8	46	33	33	0	63	33	17	4	46	24	
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Sapporo	0	4	0	4	50	38	29	4	54	38	12	8	42	24	
Hakodate	0	8	0	8	50	33	42	42	50	33	4	50	54	24	
<u>Autumn</u>															
Shana	0	26	0	24	81	14	17	51	24	16	10	7	67	118	
Abashiri	0	14	1	14	55	43	52	6	50	43	8	9	40	119	
Asahigawa	2	31	0	29	76	24	25	0	25	24	5	4	67	119	
Kushiro	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Sapporo	0	19	9	13	52	43	35	4	55	43	9	11	37	119	
Hakodate	0	11	0	9	47	46	37	50	58	48	9	12	31	119	

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TABLE 8.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH RIDGES AND CENTERS OF HIGH PRESSURE, REGIONS 1 AND 2

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No.	
										.0-.3	.4-.6	.7-.8	.9-1.0	of	
										.3	.6	.8	1.0	obs.	
A	B	C	D	E	F	G	H	I		0600 L.S.T.					
REGION 1															
<u>Winter</u>															
Shikuka	0	5	0	5	13	63	25	2	73	62	3	5	30	64	
Otomari	0	17	0	17	54	35	32	18	49	35	11	0	54	65	
<u>Spring</u>															
Shikuka	7	8	0	7	46	40	44	8	52	41	2	6	51	99	
Otomari	4	5	0	5	45	45	39	19	57	45	4	4	47	102	
<u>Summer</u>															
Shikuka	12	17	0	17	83	8	38	2	13	10	4	2	84	52	
Otomari	6	9	2	9	65	22	52	15	37	22	6	6	66	54	
<u>Autumn</u>															
Shikuka	5	6	0	5	41	50	53	3	62	51	7	2	40	125	
Otomari	4	6	0	5	41	44	41	19	59	46	12	4	38	128	
REGION 2															
<u>Winter</u>															
Shana	0	34	0	32	93	7	20	46	10	7	3	6	84	71	
Abashiri	0	11	0	11	46	40	49	15	51	43	6	2	49	84	
Asahigawa	6	35	0	33	88	10	15	0	13	9	7	4	80	84	
Kushiro	0	0	0	0	23	67	55	6	83	68	12	1	19	84	
Sapporo	0	17	0	15	62	21	44	4	44	23	14	7	56	84	
Hakodate	0	15	0	14	69	23	43	18	31	23	2	13	62	84	
<u>Spring</u>															
Shana	2	8	0	8	53	35	51	23	49	36	4	4	56	113	
Abashiri	1	9	0	9	43	40	47	11	61	40	9	8	43	140	
Asahigawa	5	15	0	14	56	29	10	0	46	31	9	6	54	140	
Kushiro	13	2	0	2	45	41	50	5	60	41	10	6	43	140	
Sapporo	1	7	0	6	41	39	44	10	64	38	9	9	44	140	
Hakodate	2	4	0	4	39	41	32	10	65	41	9	5	45	140	
<u>Summer</u>															
Shana	6	14	0	14	55	21	43	9	47	21	5	5	69	77	
Abashiri	5	13	0	13	58	26	38	1	46	26	9	9	56	78	
Asahigawa	4	12	0	12	64	13	8	0	36	13	4	5	78	78	
Kushiro	24	9	0	9	80	11	46	0	22	12	5	6	77	79	
Sapporo	0	10	0	10	46	22	42	9	55	22	10	8	60	78	
Hakodate	0	11	0	11	67	20	35	3	34	20	4	9	67	79	
<u>Autumn</u>															
Shana	0	13	0	13	72	20	39	43	32	20	9	12	59	151	
Abashiri	0	6	0	5	46	43	60	5	59	43	10	14	33	151	
Asahigawa	32	13	0	13	80	11	13	1	16	14	3	6	77	151	
Kushiro	15	3	0	3	42	49	51	5	61	49	8	8	35	152	
Sapporo	0	5	0	5	49	36	43	2	56	36	14	11	39	152	
Hakodate	1	8	0	7	42	48	34	11	62	48	8	14	30	151	

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											Cloud cover, tenths				No.		
											0- .3	.4- .6	.7- .8	.9- 1.0	of obs.		
A	B	C	D	E	F	G	H	I									
REGION 1											1800 L.S.T.						
<u>Winter</u>																	
Shikuka	0	0	0	0	18	82	36	0	82	82	9	0	9	11			
Otomari	0	9	0	0	27	55	82	0	73	55	9	9	27	11			
<u>Spring</u>																	
Shikuka	3	0	0	0	53	35	85	9	56	35	15	3	47	34			
Otomari	0	3	0	3	26	47	56	21	74	50	9	6	35	34			
<u>Summer</u>																	
Shikuka	2	6	0	6	60	29	79	12	40	29	6	6	59	48			
Otomari	2	6	0	6	76	16	61	25	24	16	8	8	68	51			
<u>Autumn</u>																	
Shikuka	0	0	0	0	29	71	64	11	79	71	11	0	18	28			
Otomari	0	7	0	4	46	39	68	7	61	39	18	4	39	28			
REGION 2																	
<u>Winter</u>																	
Shana	5	27	0	27	77	18	18	27	32	18	9	5	68	22			
Abashiri	0	8	0	8	28	48	44	0	72	48	4	4	44	25			
Asahigawa	4	8	9	8	60	36	20	0	44	36	12	8	44	25			
Kushiro	-	-	-	-	-	-	-	NO DATA			-	-	-	-			
Sapporo	0	8	0	8	28	64	36	0	80	64	8	0	28	25			
Hakodate	0	8	0	8	36	52	68	0	64	52	4	0	44	25			
<u>Spring</u>																	
Shana	3	10	0	10	55	39	45	35	45	39	0	13	48	31			
Abashiri	3	8	0	8	49	38	33	3	56	38	8	13	41	39			
Asahigawa	0	8	0	8	49	38	56	0	54	39	5	5	51	39			
Kushiro	-	-	-	-	-	-	-	NO DATA			-	-	-	-			
Sapporo	0	5	0	5	31	44	64	10	74	44	13	5	38	39			
Hakodate	0	8	0	8	38	33	64	21	62	33	3	8	57	39			
<u>Summer</u>																	
Shana	9	17	0	17	65	17	65	4	35	17	9	9	65	23			
Abashiri	8	4	0	4	58	33	29	0	46	33	4	13	50	24			
Asahigawa	0	4	0	4	29	46	75	0	71	46	13	4	38	24			
Kushiro	-	-	-	-	-	-	-	NO DATA			-	-	-	-			
Sapporo	0	4	0	4	33	42	75	8	67	42	4	0	54	24			
Hakodate	0	8	0	8	46	17	63	8	54	17	17	16	50	24			
<u>Autumn</u>																	
Shana	0	19	0	16	67	30	33	37	33	30	3	9	58	43			
Abashiri	0	2	0	2	36	40	48	0	69	40	12	10	38	42			
Asahigawa	0	7	0	7	47	40	33	0	56	39	5	9	47	43			
Kushiro	-	-	-	-	-	-	-	NO DATA			-	-	-	-			
Sapporo	0	5	0	5	37	40	40	0	65	39	9	12	40	43			
Hakodate	0	7	0	7	40	40	70	7	63	39	7	7	47	43			

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TABLE 9.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHERLY FLOW IN THE FREE AIR, REGIONS 3 AND 4

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

										Cloud cover, tenths				No. of obs.
										.0-	.4-	.7-	.9-	
A	B	C	D	E	F	G	H	I	.3	.6	.8	1.0		
REGION 3														
0600 L.S.T.														
<u>Winter</u>														
Aomori	0	70	0	65	89	6	17	8	14	6	8	2	84	63
Akita	0	59	0	57	97	0	19	16	3	0	0	3	97	63
Morioka	0	35	0	30	71	24	37	10	29	25	5	11	59	63
Ishinomaki	0	8	0	8	51	48	54	13	59	48	16	5	31	61
Yamagata	0	59	0	56	92	6	14	2	10	6	2	6	86	63
<u>Spring</u>														
Aomori	1	48	0	48	89	4	30	11	7	8	0	7	85	27
Akita	0	41	0	41	96	0	22	22	4	0	4	4	92	27
Morioka	0	26	0	26	93	4	30	11	15	4	11	4	81	27
Ishinomaki	0	26	0	22	56	30	30	33	48	30	7	11	52	27
Yamagata	0	41	0	41	93	4	41	0	11	4	11	11	74	27
<u>Summer</u>														
Aomori	0	40	0	40	100	0	0	0	0	0	20	0	80	5
Akita	0	20	0	20	80	0	40	20	20	0	20	0	80	5
Morioka	0	0	0	0	60	20	20	0	40	20	20	0	60	5
Ishinomaki	0	0	0	0	40	40	40	20	80	40	20	20	20	5
Yamagata	0	0	0	0	60	0	20	0	20	0	20	0	80	5
<u>Autumn</u>														
Aomori	0	35	0	35	85	15	42	12	15	15	4	15	66	26
Akita	0	19	0	19	96	4	54	15	8	4	4	0	92	26
Morioka	0	19	0	19	81	12	35	12	23	15	8	8	69	26
Ishinomaki	4	13	0	13	54	33	54	13	54	33	12	13	42	24
Yamagata	4	23	0	23	92	0	23	0	12	0	12	15	73	26
REGION 4														
<u>Winter</u>														
Niigata	0	44	0	41	95	3	11	41	7	3	4	5	88	75
Maebashi	0	9	0	8	31	65	68	17	71	65	1	4	29	75
Choshi	0	19	0	19	55	37	44	35	45	37	5	7	51	75
Tokyo	0	9	0	9	37	48	63	11	61	49	8	7	36	75
Yokohama	0	11	0	11	39	47	51	25	64	47	8	4	41	75
<u>Spring</u>														
Niigata	0	54	0	54	92	4	15	27	12	4	8	0	88	26
Maebashi	0	15	0	15	58	35	50	31	46	34	8	8	50	26
Choshi	4	35	0	35	73	23	31	23	27	23	4	4	69	26
Tokyo	0	38	0	38	50	27	27	15	50	27	8	4	61	26
Yokohama	0	31	0	31	58	31	27	31	42	31	4	4	61	26
<u>Summer</u>														
Niigata	0	25	0	25	100	0	50	0	0	0	0	0	100	4
Maebashi	0	50	0	50	75	0	50	0	25	0	0	25	75	4
Choshi	0	0	0	0	50	25	50	50	50	25	0	0	75	4
Tokyo	0	0	0	0	75	25	25	50	25	25	0	0	75	4
Yokohama	0	25	0	25	50	0	50	25	50	0	0	0	100	4
<u>Autumn</u>														
Niigata	0	38	0	38	100	0	21	33	0	0	0	13	87	24
Maebashi	0	8	0	8	56	40	56	20	48	40	4	4	52	25
Choshi	0	29	0	29	58	38	42	21	42	38	0	0	62	24
Tokyo	4	20	0	20	56	32	52	4	44	32	0	4	64	25
Yokohama	4	16	0	16	60	28	44	20	48	28	12	8	52	25

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										Cloud cover, tenths				No. of obs.	
										.0- .3	.4- .6	.7- .8	.9- 1.0		
REGION 3										1800 L.S.T.					
<u>Winter</u>															
Aomori	0	54	0	54	92	6	29	13	13	6	5	10	79	63	
Akita	2	29	0	29	95	5	51	11	6	5	3	3	89	63	
Morioka	0	14	0	14	65	27	57	11	40	27	11	25	37	63	
Ishinomaki	0	6	0	6	35	56	78	11	67	56	6	3	35	63	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Spring</u>															
Aomori	0	11	0	11	59	22	50	33	46	22	9	8	63	46	
Akita	0	9	0	9	72	15	86	17	34	15	6	4	75	47	
Morioka	0	4	0	4	54	24	57	35	48	24	13	9	54	46	
Ishinomaki	0	11	0	11	38	34	51	28	62	34	11	6	49	47	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Summer</u>															
Aomori	0	0	0	0	75	19	81	0	31	19	19	19	43	16	
Akita	0	0	0	0	75	13	100	0	25	13	0	0	87	16	
Morioka	0	0	0	0	44	25	75	13	69	25	19	19	37	16	
Ishinomaki	0	0	0	0	44	19	81	13	56	19	6	19	56	16	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Autumn</u>															
Aomori	0	24	0	24	76	16	50	5	26	16	13	11	60	38	
Akita	0	24	0	24	76	16	39	8	24	16	3	5	76	38	
Morioka	0	18	0	18	53	26	53	3	47	26	3	18	53	38	
Ishinomaki	0	3	0	3	55	24	66	5	50	26	16	5	53	38	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
REGION 4															
<u>Winter</u>															
Niigata	0	46	0	46	94	4	10	41	13	4	9	7	80	96	
Maebashi	0	1	0	1	15	80	38	55	88	80	4	4	12	96	
Choshi	0	7	0	6	36	62	40	32	66	62	2	7	29	95	
Tokyo	5	3	0	3	23	67	48	22	77	70	7	5	18	96	
Yokohama	0	1	0	1	25	65	42	38	76	63	4	2	29	96	
<u>Spring</u>															
Niigata	0	20	0	20	76	17	39	37	26	17	5	2	76	46	
Maebashi	0	4	2	4	37	46	26	65	72	46	13	6	35	46	
Choshi	0	15	0	13	48	39	42	37	57	39	13	7	41	46	
Tokyo	0	7	2	7	38	44	58	33	67	44	7	4	45	45	
Yokohama	0	0	2	0	36	43	59	34	66	43	4	5	48	44	
<u>Summer</u>															
Niigata	0	0	0	0	100	0	40	40	0	0	40	0	60	5	
Maebashi	0	20	0	0	80	20	40	40	20	20	0	40	40	5	
Choshi	0	0	20	0	40	0	60	40	80	0	20	0	80	5	
Tokyo	0	0	0	0	20	20	80	0	80	20	0	0	80	5	
Yokohama	0	0	0	0	40	20	100	0	60	20	0	0	80	5	
<u>Autumn</u>															
Niigata	0	19	0	17	86	11	28	50	28	11	25	8	56	36	
Maebashi	0	6	0	6	25	69	47	42	78	69	6	6	19	36	
Choshi	0	3	0	3	31	64	50	22	72	64	6	11	19	36	
Tokyo	0	0	0	0	39	47	64	8	61	47	5	17	31	36	
Yokohama	0	3	0	3	47	47	61	22	56	47	11	3	39	36	

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TABLE 10.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHEASTERLY FLOW IN THE FREE AIR, REGIONS 3 AND 4

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

										Cloud cover, tenths				No. of	
										.0-	.4-	.7-	.9-		
										.3	.6	.8	1.0	obs.	
REGION 3															
0600 L.S.T.															
Winter															
Aomori	0	37	0	35	87	3	39	8	16	.3	.3	9	85	117	
Akita	0	35	0	35	85	8	27	10	15	8	1	5	86	117	
Morioka	0	10	0	7	61	21	48	9	46	21	12	18	49	117	
Ishinomaki	0	7	0	6	62	29	68	9	41	30	8	6	56	117	
Yamagata	2	32	0	30	84	8	19	0	18	88	6	6	80	117	
Spring															
Aomori	1	26	0	26	64	28	36	13	37	28	3	4	65	94	
Akita	1	24	1	24	76	12	30	15	27	113	7	4	76	94	
Morioka	0	18	0	17	59	18	49	7	45	18	11	9	62	94	
Ishinomaki	2	22	0	22	53	28	52	7	48	28	5	12	55	94	
Yamagata	1	20	0	19	63	22	17	1	39	22	5	9	64	94	
Summer															
Aomori	0	17	0	17	67	11	22	17	37	11	13	6	70	46	
Akita	0	9	0	9	65	17	50	4	35	18	2	4	76	46	
Morioka	2	13	2	13	63	17	37	9	39	17	2	13	68	46	
Ishinomaki	0	27	0	27	78	9	42	0	24	9	4	7	80	45	
Yamagata	4	17	2	17	78	9	13	0	26	9	9	4	78	46	
Autumn															
Aomori	1	16	0	16	57	24	36	5	44	24	6	10	60	122	
Akita	5	11	0	11	70	20	45	6	30	21	3	9	67	122	
Morioka	4	11	0	11	48	34	43	4	55	34	7	11	48	122	
Ishinomaki	5	12	0	12	63	27	56	2	39	28	7	8	57	122	
Yamagata	6	15	0	16	69	22	14	0	36	22	6	5	67	122	
REGION 4															
Winter															
Niigata	0	33	0	31	90	7	26	36	13	7	7	7	79	134	
Maebashi	0	10	0	10	41	54	64	17	62	54	6	3	37	133	
Choshi	0	26	0	25	63	29	37	37	37	29	4	4	63	134	
Tokyo	0	17	0	17	49	38	61	11	51	38	5	2	55	133	
Yokohama	1	16	0	16	59	30	53	28	41	30	3	7	60	134	
Spring															
Niigata	1	26	0	26	77	11	49	16	22	11	2	4	83	101	
Maebashi	0	29	0	29	56	33	45	18	45	33	2	4	61	101	
Choshi	3	26	0	26	75	13	28	39	26	13	2	4	81	100	
Tokyo	1	30	0	30	74	17	42	18	26	17	3	6	74	101	
Yokohama	0	30	0	30	75	14	39	29	26	14	0	7	79	101	
Summer															
Niigata	0	24	0	24	64	16	36	14	40	16	10	8	66	50	
Maebashi	0	44	2	44	86	8	32	2	16	88	2	4	86	50	
Choshi	2	24	0	22	70	8	30	40	28	10	0	4	86	50	
Tokyo	2	48	0	46	74	10	32	2	24	10	0	2	88	50	
Yokohama	0	34	0	34	76	4	28	22	26	4	12	6	78	50	
Autumn															
Niigata	0	28	0	28	80	11	48	19	25	11	9	6	74	141	
Maebashi	1	22	0	22	58	34	54	5	41	35	2	9	54	142	
Choshi	1	23	2	23	73	18	30	40	29	18	4	6	72	141	
Tokyo	2	23	0	23	60	21	55	1	41	21	3	5	71	141	
Yokohama	3	18	1	18	61	21	52	19	39	21	4	6	69	141	

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										Cloud cover, tenths				No. of obs
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 3										1800 L.S.T.				
<u>Winter</u>														
Aomori	0	18	0	18	65	18	31	10	37	18	6	8	68	51
Akita	0	24	0	24	67	14	35	2	33	14	0	6	80	51
Morioka	0	20	0	18	63	14	47	4	43	14	10	12	64	51
Ishinomaki	0	24	0	24	65	27	51	0	43	27	10	2	61	51
Yamagata	-	-	-	-	-	-	-	-	-	NO DATA				-
<u>Spring</u>														
Aomori	0	11	0	11	42	36	56	8	61	36	11	8	45	36
Akita	0	17	0	17	64	14	69	8	36	14	8	6	72	36
Morioka	0	19	0	19	61	8	39	31	42	11	14	3	72	36
Ishinomaki	0	25	0	25	69	11	42	19	31	11	3	5	81	36
Yamagata	-	-	-	-	-	-	-	-	-	NO DATA				-
<u>Summer</u>														
Aomori	0	17	0	17	57	23	49	20	43	23	3	6	68	35
Akita	0	15	0	15	65	18	65	3	41	17	12	6	65	34
Morioka	0	14	0	14	69	14	77	6	37	14	17	12	57	35
Ishinomaki	0	14	0	14	71	23	66	6	31	23	6	6	65	35
Yamagata	-	-	-	-	-	-	-	-	-	NO DATA				-
<u>Autumn</u>														
Aomori	0	9	0	9	51	35	47	5	49	35	2	9	54	43
Akita	0	9	0	9	49	35	49	2	53	35	5	7	53	43
Morioka	0	12	0	12	53	21	56	5	49	21	7	12	60	43
Ishinomaki	0	26	0	26	63	28	51	2	42	28	5	0	67	43
Yamagata	-	-	-	-	-	-	-	-	-	NO DATA				-
REGION 4														
<u>Winter</u>														
Niigata	0	28	0	28	88	2	32	33	17	2	7	7	84	123
Maebashi	0	10	0	10	39	46	38	36	62	46	7	3	44	124
Choshi	0	25	1	24	58	31	30	37	45	31	35	6	58	124
Tokyo	2	19	0	19	51	31	55	9	50	31	8	4	57	123
Yokohama	0	19	0	19	60	31	40	31	40	31	2	4	63	124
<u>Spring</u>														
Niigata	0	16	0	16	62	20	41	38	38	20	6	4	70	94
Maebashi	0	15	1	15	63	27	36	41	41	28	7	6	59	95
Choshi	1	31	0	31	66	19	28	35	34	19	4	7	70	94
Tokyo	0	24	0	24	56	22	58	11	44	22	4	1	73	95
Yokohama	0	23	0	23	53	22	43	26	48	22	5	11	62	94
<u>Summer</u>														
Niigata	0	5	0	5	62	23	54	28	44	24	13	10	53	39
Maebashi	0	18	5	18	74	21	49	10	31	21	8	2	69	39
Choshi	3	15	0	15	67	8	59	21	33	7	8	8	77	39
Tokyo	0	21	0	21	62	5	62	10	41	5	13	13	69	39
Yokohama	0	18	0	18	62	8	62	16	39	8	5	8	79	39
<u>Autumn</u>														
Niigata	0	16	0	15	63	24	48	24	40	24	8	11	57	95
Maebashi	0	16	0	16	67	26	42	15	36	26	5	3	66	97
Choshi	0	24	0	24	64	26	26	45	39	26	6	5	63	97
Tokyo	0	17	0	17	55	24	65	5	45	24	8	5	63	96
Yokohama	1	20	0	20	57	23	44	26	43	23	7	8	62	97

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TABLE 11.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHEASTERLY FLOW IN THE FREE AIR, REGIONS 3-AND-4

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

											Cloud cover, tenths				No. of obs.
A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0			
REGION 3															
0600 L.S.T.															
<u>Winter</u>															
Aomori	0	0	0	0	50	25	25	0	50	25	0	13	62	8	
Akita	0	0	0	0	22	56	67	0	78	56	0	0	44	9	
Morioka	0	0	0	0	25	25	25	0	88	25	25	0	50	8	
Ishinomaki	0	0	0	0	44	22	89	0	56	22	11	0	67	9	
Yamagata	0	11	0	11	44	22	0	0	56	22	11	11	56	9	
<u>Spring</u>															
Aomori	12	3	0	3	21	35	35	0	74	35	0	9	56	34	
Akita	3	6	0	6	35	21	47	3	65	21	0	3	76	34	
Morioka	0	3	0	3	35	24	18	0	62	23	6	0	71	34	
Ishinomaki	3	9	0	9	44	18	44	3	56	18	3	6	73	34	
Yamagata	3	6	0	6	18	18	6	0	82	18	3	20	59	34	
<u>Summer</u>															
Aomori	15	4	0	4	53	16	15	11	47	16	9	2	73	55	
Akita	4	4	0	4	37	37	63	2	61	39	4	5	52	54	
Morioka	4	15	0	15	71	9	44	0	31	9	4	14	73	55	
Ishinomaki	11	17	0	17	85	4	33	2	15	4	4	4	88	54	
Yamagata	9	7	0	7	61	19	0	0	39	18	4	13	65	54	
<u>Autumn</u>															
Aomori	4	11	0	11	54	24	13	2	48	24	2	4	70	46	
Akita	4	11	0	11	46	26	54	7	52	28	0	0	72	46	
Morioka	0	17	0	17	54	22	28	2	48	24	2	7	67	46	
Ishinomaki	2	13	0	13	53	24	44	0	49	24	7	4	65	45	
Yamagata	16	13	0	13	47	16	2	0	49	18	4	2	76	45	
REGION 4															
<u>Winter</u>															
Niigata	0	5	0	5	55	40	75	15	50	40	10	0	50	20	
Maebashi	0	5	0	5	20	55	75	15	85	55	15	0	30	20	
Choshi	0	10	0	10	50	40	60	15	55	40	5	0	55	20	
Tokyo	0	11	0	11	47	26	63	0	53	26	5	11	58	19	
Yokohama	0	10	0	10	60	15	70	0	40	15	0	0	85	20	
<u>Spring</u>															
Niigata	3	0	0	0	25	28	50	17	72	33	11	3	53	36	
Maebashi	0	0	0	0	44	31	72	8	56	30	6	11	53	36	
Choshi	0	6	0	6	56	17	67	17	47	17	14	11	58	36	
Tokyo	0	6	0	6	47	25	61	0	53	25	6	11	58	36	
Yokohama	3	6	0	6	58	19	67	8	39	19	8	6	67	36	
<u>Summer</u>															
Niigata	0	8	0	8	35	33	48	9	67	33	8	4	55	66	
Maebashi	0	27	0	27	67	15	31	0	33	15	7	8	70	67	
Choshi	15	9	1	9	61	21	52	7	40	21	9	7	63	67	
Tokyo	9	12	0	12	65	11	38	0	36	11	2	4	83	66	
Yokohama	3	13	0	13	64	15	55	0	39	15	6	9	70	67	
<u>Autumn</u>															
Niigata	0	7	0	7	33	40	58	12	72	40	9	5	46	43	
Maebashi	0	4	0	4	64	24	64	2	38	24	9	9	58	45	
Choshi	4	4	0	4	53	36	47	29	49	36	4	9	51	45	
Tokyo	9	5	0	5	48	18	70	0	55	18	9	14	59	44	
Yokohama	7	4	0	4	53	27	60	16	44	27	4	4	65	45	

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											Cloud cover, tenths				No. of obs.
A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0			
REGION 3 1800 L.S.T.															
<u>Winter</u>															
Aomori	0	15	0	15	38	23	31	15	62	23	8	8	61	13	
Akita	0	23	0	23	62	23	38	0	38	23	8	0	69	13	
Morioka	0	38	0	38	69	23	23	0	31	23	0	0	77	13	
Ishinomaki	8	42	0	42	100	0	25	0	0	0	0	0	100	12	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Spring</u>															
Aomori	0	19	0	19	42	12	46	23	58	11	8	8	73	26	
Akita	0	38	0	38	69	0	46	8	31	0	0	8	92	26	
Morioka	0	46	0	42	69	0	38	8	31	0	4	8	88	26	
Ishinomaki	4	50	0	50	96	4	38	4	8	4	4	0	92	26	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Summer</u>															
Aomori	0	12	0	12	50	28	47	32	60	28	12	5	56	68	
Akita	0	12	0	12	34	35	65	10	66	35	6	5	54	68	
Morioka	0	13	0	13	66	12	76	7	40	12	13	18	57	68	
Ishinomaki	1	25	0	25	85	6	58	6	18	6	5	4	85	67	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Autumn</u>															
Aomori	0	13	0	13	43	22	70	2	57	22	6	9	63	46	
Akita	0	29	0	29	53	27	44	9	47	27	4	7	62	45	
Morioka	0	31	0	31	64	16	51	0	38	16	4	2	78	45	
Ishinomaki	0	22	0	22	76	9	52	4	26	9	6	0	85	46	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
REGION 4															
<u>Winter</u>															
Niigata	0	11	0	11	33	11	56	22	67	11	0	0	89	9	
Maebashi	0	33	0	33	56	22	22	0	44	22	0	0	78	9	
Choshi	0	56	0	56	89	0	44	0	11	0	0	11	89	9	
Tokyo	0	44	0	44	67	11	44	0	33	11	0	0	89	9	
Yokohama	0	44	0	44	78	0	33	11	22	0	0	11	89	9	
<u>Spring</u>															
Niigata	0	27	0	27	53	7	40	27	47	7	0	0	93	15	
Maebashi	0	47	0	47	87	13	33	0	13	13	0	7	80	15	
Choshi	0	33	0	33	80	13	53	13	20	13	0	0	87	15	
Tokyo	0	40	0	40	80	77	60	0	20	7	0	0	93	15	
Yokohama	0	40	0	40	80	7	47	13	20	6	7	7	80	15	
<u>Summer</u>															
Niigata	0	8	0	8	25	35	56	33	75	36	4	8	52	48	
Maebashi	0	23	0	23	83	6	67	2	19	6	6	11	77	48	
Choshi	4	15	0	15	50	17	58	21	52	17	15	6	62	48	
Tokyo	0	15	0	15	67	6	62	21	35	7	6	6	81	48	
Yokohama	0	15	0	15	65	12	54	23	37	15	4	8	75	48	
<u>Autumn</u>															
Niigata	0	14	0	14	40	29	43	29	62	28	3	9	60	35	
Maebashi	0	34	0	34	89	3	43	0	14	3	8	3	86	35	
Choshi	0	20	0	20	63	26	59	23	40	26	6	8	60	35	
Tokyo	0	23	0	23	60	20	69	0	43	20	6	6	68	35	
Yokohama	0	26	0	26	62	15	53	18	38	15	3	9	73	34	

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TABLE 12.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHERLY FLOW IN THE FREE AIR, REGIONS 3 AND 4

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

										Cloud cover, tenths				No. of obs.	
A	B	C	D	E	F	G	H	I	.0-.3	.4-.6	.7-.8	.9-1.0			
REGION 3										0600 L.S.T.					
<u>Winter</u>															
Aomori	0	0	0	0	40	40	60	0	80	40	20	20	20	5	
Akita	0	0	0	0	20	40	100	0	100	40	20	0	40	5	
Morioka	0	0	0	0	40	40	60	0	60	40	20	0	40	5	
Ishinomaki	0	20	0	20	20	60	40	0	80	60	0	0	40	5	
Yamagata	20	20	0	20	40	20	20	0	40	40	0	20	40	5	
<u>Spring</u>															
Aomori	10	0	0	0	43	33	10	5	52	33	0	5	62	21	
Akita	5	5	0	5	41	18	77	0	55	18	5	9	68	22	
Morioka	0	14	0	14	45	18	27	0	50	18	5	0	77	22	
Ishinomaki	9	5	0	5	68	18	50	5	36	18	0	0	82	22	
Yamagata	5	9	0	9	41	23	5	0	59	23	0	0	77	22	
<u>Summer</u>															
Aomori	15	4	0	4	65	15	15	0	35	15	4	0	81	26	
Akita	4	4	0	4	27	35	58	8	73	35	0	0	65	26	
Morioka	12	8	0	8	73	8	38	0	27	8	0	8	84	26	
Ishinomaki	31	8	0	8	77	12	31	0	23	12	0	4	84	26	
Yamagata	4	0	0	0	58	15	4	0	50	15	15	12	58	26	
<u>Autumn</u>															
Aomori	25	13	0	13	50	25	25	0	50	25	25	0	50	8	
Akita	0	25	0	25	38	38	63	0	63	38	12	0	50	8	
Morioka	0	13	0	13	75	13	13	0	25	13	0	12	75	8	
Ishinomaki	13	13	0	13	75	0	38	0	13	12	0	0	88	8	
Yamagata	25	13	0	13	75	13	0	0	25	13	12	13	62	8	
REGION 4															
<u>Winter</u>															
Niigata	0	0	0	0	0	50	50	25	75	75	0	0	25	4	
Maebashi	0	0	0	0	75	0	75	0	25	0	0	0	100	4	
Choshi	0	0	0	0	100	0	75	0	25	0	25	0	75	4	
Tokyo	0	0	0	0	75	25	75	0	25	25	0	0	75	4	
Yokohama	0	0	0	0	75	0	50	0	25	0	0	0	100	4	
<u>Spring</u>															
Niigata	0	5	0	5	27	18	64	5	68	18	0	9	73	22	
Maebashi	0	5	0	5	50	18	82	0	50	18	5	0	77	22	
Choshi	0	0	0	0	41	9	50	23	64	9	9	0	82	22	
Tokyo	5	0	0	0	41	9	36	0	59	9	5	4	82	22	
Yokohama	5	0	0	0	36	9	55	9	59	9	9	9	73	22	
<u>Summer</u>															
Niigata	0	9	0	9	31	28	56	9	69	28	10	6	56	32	
Maebashi	0	9	0	9	63	19	44	0	41	19	9	3	69	32	
Choshi	16	0	0	0	59	6	66	9	41	6	16	9	69	32	
Tokyo	3	3	0	0	53	9	34	0	44	13	9	3	75	32	
Yokohama	0	0	0	0	56	13	53	3	44	13	6	6	75	32	
<u>Autumn</u>															
Niigata	0	13	0	13	63	13	63	13	50	13	12	13	62	8	
Maebashi	0	25	0	25	63	13	75	0	38	13	12	13	62	8	
Choshi	0	0	0	0	38	25	38	25	63	25	0	38	37	8	
Tokyo	25	13	0	13	75	13	50	0	25	12	0	0	88	8	
Yokohama	0	25	0	25	63	25	50	0	38	25	0	0	75	8	

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										Cloud cover, tenths				No. of obs.	
										.0-	.4-	.7-	.9-		
										.3	.6	.8	1.0		
REGION 3										1800 L.S.T.					
<u>Winter</u>															
Aomori	0	18	0	18	45	27	36	18	55	27	0	9	64	11	
Akita	0	36	0	36	64	18	55	0	36	18	0	0	82	11	
Morioka	0	36	0	36	64	27	55	0	45	27	9	0	64	11	
Ishinomaki	0	27	0	27	64	36	55	0	36	36	0	0	64	11	
Yamagata	-	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	
<u>Spring</u>															
Aomori	2	8	0	8	23	29	65	4	77	29	9	8	54	48	
Akita	0	17	0	17	37	21	58	12	62	21	0	2	77	48	
Morioka	0	15	2	15	40	17	50	33	60	17	4	10	69	48	
Ishinomaki	0	21	0	19	46	15	71	8	50	19	4	2	75	48	
Yamagata	-	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	
<u>Summer</u>															
Aomori	0	5	0	5	40	17	63	5	63	17	11	13	59	75	
Akita	0	7	0	7	35	24	53	12	68	24	5	8	63	75	
Morioka	0	8	0	8	43	12	71	15	57	12	9	20	59	75	
Ishinomaki	1	9	0	8	57	13	80	5	44	15	9	9	69	75	
Yamagata	-	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	
<u>Autumn</u>															
Aomori	0	21	0	21	50	26	32	0	53	26	3	11	60	38	
Akita	0	18	0	18	58	21	39	8	45	21	3	3	73	38	
Morioka	0	21	0	21	50	18	68	0	53	18	8	13	61	38	
Ishinomaki	0	16	0	16	61	26	61	0	42	26	5	8	61	38	
Yamagata	-	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	
REGION 4															
<u>Winter</u>															
Niigata	0	0	0	0	60	40	60	0	40	40	0	0	60	5	
Maebashi	0	20	0	20	60	40	40	0	40	40	0	0	60	5	
Choshi	0	40	0	40	80	20	60	0	20	20	0	0	80	5	
Tokyo	0	40	0	40	60	20	60	0	40	20	0	0	80	5	
Yokohama	0	20	0	40	60	20	20	20	40	20	20	0	60	5	
<u>Spring</u>															
Niigata	3	15	0	15	40	18	67	12	61	18	0	6	76	33	
Maebashi	0	27	0	27	73	9	58	3	27	9	0	0	91	33	
Choshi	3	21	0	21	52	18	61	12	49	18	6	0	76	33	
Tokyo	0	27	0	27	61	12	55	15	40	12	3	0	85	33	
Yokohama	3	34	0	34	67	9	49	6	34	9	3	6	82	33	
<u>Summer</u>															
Niigata	0	5	2	5	29	24	50	29	74	24	9	5	68	42	
Maebashi	0	17	0	17	83	7	67	5	24	7	10	7	76	42	
Choshi	2	7	0	7	31	21	76	7	69	21	14	10	55	42	
Tokyo	0	8	0	8	38	13	73	20	60	12	13	5	70	40	
Yokohama	0	7	0	7	33	24	74	19	67	24	14	5	57	42	
<u>Autumn</u>															
Niigata	0	16	0	16	47	26	58	11	53	26	0	5	69	19	
Maebashi	0	16	0	16	79	16	42	0	21	16	0	10	74	19	
Choshi	0	5	0	5	42	32	68	42	58	32	5	10	53	19	
Tokyo	0	11	0	11	42	37	74	0	58	37	0	5	58	19	
Yokohama	0	21	0	21	32	42	63	0	68	42	0	5	53	19	

TABLE 13.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHWESTERLY FLOW IN THE FREE AIR, REGIONS 3 AND 4

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No. of obs.
A	B	C	D	E	F	G	H	I	.0 .3	.4 .6	.7 .8	.9 1.0		
REGION 3														
0600 L.S.T.														
<u>Winter</u>														
Aomori	0	31	0	31	69	8	23	8	31	8	8	0	84	13
Akita	0	33	0	33	93	0	47	0	7	0	0	0	100	15
Morioka	0	36	0	36	79	0	36	0	36	0	29	0	71	14
Ishinomaki	7	7	0	7	67	33	27	0	33	33	7	7	53	15
Yamagata	7	20	0	20	67	27	27	0	33	27	0	13	60	15
<u>Spring</u>														
Aomori	8	13	0	13	53	8	33	12	50	8	7	3	82	60
Akita	2	22	0	22	72	7	58	7	28	7	3	2	88	60
Morioka	5	20	2	20	52	5	37	2	45	5	5	5	85	60
Ishinomaki	5	15	0	15	54	15	36	3	44	15	3	9	73	59
Yamagata	0	14	2	14	34	27	17	0	66	27	3	9	61	59
<u>Summer</u>														
Aomori	4	18	0	18	58	13	14	3	42	13	10	6	71	113
Akita	2	19	0	19	77	9	36	3	25	9	3	2	86	113
Morioka	9	16	0	16	71	10	37	4	27	10	2	6	82	114
Ishinomaki	15	18	0	18	80	7	30	1	20	7	3	3	87	114
Yamagata	6	14	0	14	61	15	7	0	42	16	6	9	69	114
<u>Autumn</u>														
Aomori	5	5	0	5	47	16	26	0	53	16	0	5	79	19
Akita	0	5	5	5	74	21	42	16	26	21	0	5	74	19
Morioka	5	21	0	21	63	16	32	0	37	16	0	0	84	19
Ishinomaki	5	16	0	16	79	16	37	0	21	16	0	0	84	19
Yamagata	16	0	0	0	58	16	0	0	42	21	11	5	63	19
REGION 4														
<u>Winter</u>														
Niigata	0	24	0	24	53	24	47	18	47	23	6	24	47	17
Maebashi	0	0	0	0	35	41	82	0	71	41	6	0	53	17
Choshi	6	6	0	6	47	18	47	24	47	23	6	6	65	17
Tokyo	0	6	0	6	59	24	47	0	41	23	0	6	71	17
Yokohama	0	0	0	0	59	29	53	12	47	29	6	6	59	17
<u>Spring</u>														
Niigata	2	11	0	11	57	13	74	13	46	13	4	7	76	46
Maebashi	0	13	0	13	46	30	65	4	54	30	7	11	52	46
Choshi	4	13	0	13	39	26	48	26	61	26	4	15	55	46
Tokyo	2	11	0	11	29	33	36	4	71	33	4	5	58	45
Yokohama	2	15	0	15	46	28	50	13	57	28	4	9	59	46
<u>Summer</u>														
Niigata	1	19	0	19	57	13	55	6	46	13	8	9	70	99
Maebashi	0	19	0	19	73	10	39	1	27	10	5	10	75	99
Choshi	17	7	0	7	63	6	56	12	36	6	7	7	80	99
Tokyo	9	17	0	16	63	6	36	1	38	6	2	6	86	98
Yokohama	3	10	1	10	59	9	47	8	42	9	7	4	80	98
<u>Autumn</u>														
Niigata	0	30	0	30	30	60	50	0	70	60	0	0	40	10
Maebashi	0	10	0	10	80	20	50	0	30	20	10	0	70	10
Choshi	10	10	0	10	60	20	60	20	40	20	10	0	70	10
Tokyo	0	10	0	10	60	30	30	0	40	30	0	10	60	10
Yokohama	10	10	0	10	40	30	40	20	60	30	10	10	50	10

TABLE 14.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTH-WESTERLY FLOW IN THE FREE AIR, REGIONS 3 AND 4

Percentage of the observations made at 0600 and 1800 local time, of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

											Cloud cover, tenths				No. of obs.				
											.0-	.4-	.7-	.9-					
											.3	.6	.8	1.0					
REGION 3											0600 L.S.T.								
<u>Winter</u>																			
Aomori	0	68	0	68	91	7	16	4	10	7	1	4	88	114					
Akita	0	65	0	65	96	4	12	18	5	4	1	3	92	114					
Morioka	1	35	0	34	81	13	42	4	24	13	12	12	63	113					
Ishinomaki	0	18	0	16	55	41	53	10	48	43	8	6	43	113					
Yamagata	0	67	0	62	91	6	10	1	11	6	2	8	84	114					
<u>Spring</u>																			
Aomori	0	52	0	48	82	9	24	12	15	9	0	6	85	33					
Akita	0	36	0	36	88	9	30	27	12	9	0	6	85	33					
Morioka	0	39	0	39	79	9	33	6	24	9	9	6	76	33					
Ishinomaki	3	16	0	16	63	25	44	19	44	25	19	12	44	32					
Yamagata	0	39	0	33	82	6	30	0	18	9	3	18	70	33					
<u>Summer</u>																			
Aomori	0	36	5	36	73	23	23	5	32	23	4	9	64	22					
Akita	0	24	0	24	86	14	38	33	14	14	0	0	86	21					
Morioka	5	32	0	32	91	0	27	0	18	0	9	9	82	22					
Ishinomaki	14	18	0	18	86	14	18	0	14	14	0	4	82	22					
Yamagata	0	23	0	23	77	9	45	5	32	9	14	9	68	22					
<u>Autumn</u>																			
Aomori	2	57	0	57	89	7	30	5	11	7	5	4	84	44					
Akita	0	48	0	45	100	0	16	27	0	0	0	2	98	44					
Morioka	0	61	0	59	82	11	25	2	18	11	5	4	80	44					
Ishinomaki	2	11	0	11	66	25	55	11	39	25	11	55	59	44					
Yamagata	0	39	0	36	91	7	39	2	11	7	2	11	80	44					
REGION 4																			
<u>Winter</u>																			
Niigata	0	56	0	54	98	2	15	29	2	2	0	5	93	89					
Maebashi	0	4	0	3	20	75	64	25	82	75	5	7	13	89					
Choshi	1	10	0	10	37	60	53	27	64	60	3	3	34	89					
Tokyo	2	7	0	7	22	70	46	6	80	70	6	2	22	89					
Yokohama	1	7	0	7	25	67	43	16	79	68	8	3	21	89					
<u>Spring</u>																			
Niigata	0	30	0	30	84	8	16	43	19	8	6	8	78	37					
Maebashi	0	8	0	8	35	51	51	24	65	51	0	6	43	37					
Choshi	3	16	0	16	51	38	32	49	51	38	5	3	54	37					
Tokyo	0	14	0	14	35	46	46	5	65	46	0	5	49	37					
Yokohama	0	14	0	14	43	43	35	19	57	43	0	6	51	37					
<u>Summer</u>																			
Niigata	0	36	9	36	64	9	36	18	36	9	0	0	91	11					
Maebashi	0	27	0	27	73	27	36	18	27	27	0	0	73	11					
Choshi	18	18	0	18	64	0	55	9	36	0	0	18	82	11					
Tokyo	0	27	0	27	64	9	18	0	36	9	0	9	82	11					
Yokohama	0	27	0	27	45	27	45	0	55	27	0	0	73	11					
<u>Autumn</u>																			
Niigata	0	37	0	34	88	7	24	37	12	7	3	7	83	41					
Maebashi	0	10	0	10	32	66	54	27	71	66	2	5	27	41					
Choshi	0	12	2	10	46	37	54	24	56	37	2	10	51	41					
Tokyo	3	3	0	3	44	44	59	3	59	43	13	8	36	39					
Yokohama	0	5	0	5	54	39	59	15	54	39	12	15	34	41					

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										Cloud cover, tenths				No. of obs.	
										.0-.3	.4-.6	.7-.8	.9-1.0		
REGION 3										1800 L.S.T.					
Winter															
Aomori	0	68	0	64	93	6	13	15	8	6	3	8	83	211	
Akita	*	57	0	57	98	2	15	22	2	2	1	1	96	209	
Morioka	*	20	0	18	21	23	50	14	38	23	16	15	46	211	
Ishinomaki	*	8	0	36	82	63	57	23	74	63	10	7	20	209	
Yamagata	*	-	-	-	-	-	-	-	-	-	-	-	-	-	
Spring															
Aomori	0	27	0	25	66	24	31	39	38	24	11	12	53	128	
Akita	0	28	0	27	83	9	37	29	20	9	6	5	80	127	
Morioka	0	22	0	19	63	28	44	32	41	29	12	11	48	128	
Ishinomaki	0	1	0	1	36	50	55	37	70	560	17	8	25	127	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Summer															
Aomori	0	3	0	3	68	22	65	24	41	22	19	13	46	37	
Akita	0	22	0	22	78	14	51	19	27	14	5	11	70	37	
Morioka	0	5	0	5	58	18	55	24	55	19	13	18	50	38	
Ishinomaki	0	5	0	5	43	32	62	11	59	32	5	14	49	37	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Autumn															
Aomori	0	33	0	27	73	22	41	14	27	22	6	16	56	113	
Akita	0	21	0	19	85	11	41	23	18	11	4	10	75	113	
Morioka	0	21	0	17	65	27	57	4	43	28	12	13	47	113	
Ishinomaki	0	4	0	4	40	50	68	12	67	50	11	11	28	113	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
REGION 4															
Winter															
Niigata	0	53	0	49	97	1	13	32	5	1	3	9	87	105	
Maebashi	0	1	0	1	17	75	50	40	87	74	7	5	14	106	
Choshi	0	1	0	1	22	69	51	31	82	70	8	3	19	106	
Tokyo	4	1	0	1	15	70	53	24	86	70	11	2	17	105	
Yokohama	0	1	0	1	18	69	50	36	84	69	6	4	21	105	
Spring															
Niigata	0	16	0	16	77	11	27	57	27	11	7	11	71	44	
Maebashi	0	0	0	0	16	76	27	64	91	76	7	4	13	45	
Choshi	0	0	0	0	24	60	53	44	78	60	6	7	27	45	
Tokyo	0	0	0	0	20	62	60	38	80	62	7	4	27	45	
Yokohama	0	0	0	0	29	60	44	44	76	60	11	5	24	45	
Summer															
Niigata	0	0	0	0	56	17	44	56	56	17	11	5	67	18	
Maebashi	0	6	0	6	44	28	44	39	56	28	6	5	61	18	
Choshi	0	0	0	0	39	17	72	22	78	16	17	17	50	18	
Tokyo	0	0	0	0	22	11	89	0	83	11	6	22	61	18	
Yokohama	0	0	0	0	28	22	78	22	72	22	5	17	56	18	
Autumn															
Niigata	0	33	0	31	89	7	18	42	22	7	17	7	69	55	
Maebashi	0	2	4	2	39	54	52	36	63	54	7	7	32	56	
Choshi	2	5	0	4	36	55	50	23	68	55	9	4	32	56	
Tokyo	2	4	0	4	41	48	50	5	59	48	2	9	41	56	
Yokohama	0	4	0	4	36	50	50	25	68	50	12	4	34	56	

* Less than 0.6 and greater than 0.0.

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TABLE 15.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH RIDGES AND CENTERS OF HIGH PRESSURE, REGIONS 3 AND 4

Percentage of the observations made at 0600 and 1800 local time, of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

Cloud cover, tenths															No. of obs.
A	B	C	D	E	F	G	H	I	.0-.3	.4-.6	.7-.8	.9-1.0			
REGION 3															
0600 L.S.T.															
<u>Winter</u>															
Aomori	0	34	0	34	85	8	41	6	17	8	3	6	83	87	
Akita	0	25	0	25	91	7	47	6	8	7	0	8	85	87	
Morioka	0	17	0	16	61	25	43	3	46	25	15	12	48	87	
Ishinomaki	0	55	0	5	43	51	48	7	60	51	9	3	37	87	
Yamagata	0	17	0	14	53	32	17	0	52	32	12	9	47	87	
<u>Spring</u>															
Aomori	6	9	1	8	43	32	39	8	54	33	3	8	56	119	
Akita	3	9	0	9	54	24	55	10	46	25	4	7	64	119	
Morioka	5	11	0	10	47	35	39	3	53	36	6	10	48	118	
Ishinomaki	3	2	0	2	35	47	46	3	68	47	7	6	40	119	
Yamagata	1	4	0	4	29	51	25	0	73	51	4	9	36	119	
<u>Summer</u>															
Aomori	10	5	0	5	55	26	26	2	46	26	3	4	67	92	
Akita	1	4	0	4	54	27	47	4	47	26	7	7	60	90	
Morioka	4	5	0	5	64	22	40	1	37	22	4	9	65	92	
Ishinomaki	15	4	0	3	59	21	38	0	42	21	6	4	69	91	
Yamagata	8	3	0	3	47	36	5	0	54	36	4	12	48	92	
<u>Autumn</u>															
Aomori	0	6	0	5	40	50	52	3	64	49	8	7	36	105	
Akita	0	15	0	14	64	30	49	5	39	30	8	7	55	105	
Morioka	5	8	0	8	48	31	25	3	56	32	9	10	49	105	
Ishinomaki	3	5	0	5	37	39	62	0	67	40	12	11	37	104	
Yamagata	14	3	0	3	39	37	13	0	60	39	9	9	43	105	
REGION 4															
<u>Winter</u>															
Niigata	0	18	0	17	82	12	38	35	23	12	9	11	68	65	
Maebashi	0	2	0	2	11	82	86	9	91	81	2	2	15	65	
Choshi	0	5	0	5	32	55	69	22	69	55	2	14	29	65	
Tokyo	2	3	0	3	23	62	65	2	77	62	1	6	31	65	
Yokohama	0	2	0	2	25	60	63	6	75	60	5	6	29	65	
<u>Spring</u>															
Niigata	1	5	0	5	46	33	67	14	60	34	12	5	49	114	
Maebashi	1	4	0	4	22	63	63	18	79	64	4	8	24	115	
Choshi	3	9	0	8	44	43	53	25	61	43	14	6	37	115	
Tokyo	2	4	0	4	30	50	57	4	70	50	6	6	38	115	
Yokohama	3	4	0	4	32	43	58	7	66	46	5	10	39	114	
<u>Summer</u>															
Niigata	0	5	1	5	47	29	69	6	57	29	8	16	47	94	
Maebashi	0	5	0	5	48	37	67	3	55	37	9	3	51	94	
Choshi	15	4	0	4	40	29	61	11	57	29	6	8	57	94	
Tokyo	9	2	0	2	45	23	35	0	56	23	6	9	62	94	
Yokohama	3	3	0	3	45	26	33	3	56	27	8	10	55	94	
<u>Autumn</u>															
Niigata	0	16	0	16	59	28	64	11	45	28	5	12	55	94	
Maebashi	0	3	0	3	45	41	82	4	60	41	10	9	40	94	
Choshi	0	9	0	9	51	30	48	26	56	30	13	9	48	93	
Tokyo	5	6	0	6	48	31	62	0	54	31	11	9	49	94	
Yokohama	5	5	0	5	42	30	69	3	59	33	13	11	43	93	
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											Cloud cover, tenths				No. of obs.
											.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 3											1800 L.S.T.				
<u>Winter</u>															
Aomori	0	10	0	8	60	25	50	4	44	25	12	4	59	48	
Akita	0	18	0	18	59	27	29	0	41	27	0	4	69	49	
Morioka	0	6	0	6	49	33	57	4	61	33	16	6	45	49	
Ishinomaki	0	2	0	2	29	55	47	0	76	55	8	0	37	49	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Spring</u>															
Aomori	0	8	0	8	33	39	57	11	59	39	8	14	39	36	
Akita	0	11	0	11	44	31	47	11	56	31	3	5	61	36	
Morioka	0	8	0	6	25	47	64	14	78	47	8	14	31	36	
Ishinomaki	0	0	0	0	22	44	72	6	78	44	6	0	50	36	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Summer</u>															
Aomori	0	4	0	4	50	31	81	0	58	31	11	4	54	26	
Akita	0	0	0	0	36	32	76	0	64	32	8	8	52	25	
Morioka	0	4	0	4	65	8	73	15	42	8	19	11	62	26	
Ishinomaki	0	12	0	12	58	8	81	0	46	8	11	8	73	26	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Autumn</u>															
Aomori	0	3	0	0	30	54	49	0	75	54	10	12	24	76	
Akita	0	4	0	4	43	43	25	4	62	43	7	9	41	76	
Morioka	0	3	0	3	20	46	59	1	86	46	9	11	34	76	
Ishinomaki	0	1	0	1	29	51	39	0	72	51	4	3	42	75	
Yamagata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
REGION 4															
<u>Winter</u>															
Niigata	0	17	0	17	50	37	57	2	50	37	0	7	56	54	
Maebashi	0	2	0	2	15	65	52	11	87	65	9	0	26	54	
Choshi	0	9	0	7	35	54	56	13	65	53	2	4	41	54	
Tokyo	2	11	0	11	43	35	52	0	57	35	13	0	52	54	
Yokohama	0	9	0	9	41	39	57	7	59	39	4	0	57	54	
<u>Spring</u>															
Niigata	0	2	0	2	22	31	61	27	78	31	6	8	55	51	
Maebashi	0	0	0	0	37	43	61	20	65	44	4	8	44	54	
Choshi	0	6	0	6	37	44	57	24	67	44	6	4	46	54	
Tokyo	0	8	0	8	21	37	83	6	79	37	2	15	46	52	
Yokohama	0	10	0	10	33	40	60	27	67	40	6	4	50	52	
<u>Summer</u>															
Niigata	0	3	0	3	24	34	79	10	79	35	10	7	48	29	
Maebashi	0	10	0	10	66	24	59	0	41	24	7	7	62	29	
Choshi	0	10	0	10	34	28	76	0	66	27	7	7	59	29	
Tokyo	0	7	0	3	41	17	86	3	59	17	17	4	62	29	
Yokohama	0	7	0	7	28	24	86	7	72	24	10	7	59	29	
<u>Autumn</u>															
Niigata	0	11	0	11	39	39	59	5	61	40	8	5	47	102	
Maebashi	0	15	0	15	62	26	41	5	42	26	7	3	64	102	
Choshi	0	10	0	10	41	38	56	27	62	38	10	7	45	102	
Tokyo	1	15	0	15	55	23	65	0	46	24	7	5	64	100	
Yokohama	0	14	0	14	53	28	53	13	48	28	6	6	60	102	

TABLE 16.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHERLY FLOW IN THE FREE AIR, REGION 5

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No.
A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0	of obs.	
REGION 5										0600 L.S.T.				
<u>Winter</u>														
Wajima	0	53	0	51	79	6	42	0	21	6	7	6	81	53
Miyazu	0	46	0	45	87	11	16	4	18	11	6	2	81	123
Ibuki	31	40	0	40	90	7	11	48	12	7	3	2	88	122
Nagoya	1	10	0	9	50	38	66	6	54	38	6	10	46	123
Kyoto	2	20	0	16	63	27	21	1	40	28	6	10	56	123
Hamamatsu	1	11	0	10	36	53	51	25	67	53	6	7	34	122
Kobe	1	8	0	7	47	44	60	11	54	44	5	4	47	121
Osaka	2	9	0	9	54	41	37	16	49	42	9	9	40	123
Shiono														
Misaki	0	14	0	13	42	50	52	30	64	50	10	5	35	122
<u>Spring</u>														
Wajima	0	43	0	43	57	7	36	7	43	7	0	0	93	14
Miyazu	0	32	0	28	72	16	20	0	28	16	4	8	72	25
Ibuki	23	27	0	27	85	4	12	62	19	8	7	4	81	26
Nagoya	4	23	0	23	50	23	31	19	50	27	4	11	58	26
Kyoto	0	31	0	27	85	15	19	4	23	15	8	12	65	26
Hamamatsu	5	30	0	30	45	45	25	30	50	45	0	5	50	20
Kobe	0	15	0	15	54	19	38	4	46	19	4	8	69	26
Osaka	0	19	0	19	58	19	54	4	46	19	8	19	54	26
Shiono														
Misaki	0	12	0	12	50	42	62	27	58	42	12	0	46	26
<u>Summer</u>														
Wajima	0	0	0	0	50	50	50	50	50	50	0	0	50	2
Miyazu	0	0	0	0	33	67	67	0	100	67	33	0	0	3
Ibuki	50	50	0	50	100	0	0	50	0	0	0	0	100	2
Nagoya	0	33	0	33	100	0	33	0	0	0	0	33	67	3
Kyoto	0	0	0	0	67	33	0	0	33	33	0	0	67	3
Hamamatsu	0	33	0	33	67	33	67	0	33	33	0	0	67	3
Kobe	0	0	0	0	33	33	100	0	67	33	0	0	67	3
Osaka	0	0	0	0	33	67	33	0	67	67	0	0	33	3
Shiono														
Misaki	0	33	0	33	67	33	33	0	33	33	0	34	33	3
<u>Autumn</u>														
Wajima	0	50	3	47	83	7	40	10	20	7	3	10	80	30
Miyazu	0	31	0	27	73	24	27	6	33	23	14	12	51	51
Ibuki	40	23	0	23	75	12	8	67	27	11	4	8	77	52
Nagoya	6	19	0	19	65	19	54	4	33	23	13	12	52	52
Kyoto	2	17	0	17	65	27	6	0	42	27	12	10	52	52
Hamamatsu	0	19	0	19	52	31	58	10	52	31	10	11	48	52
Kobe	0	17	0	15	48	38	52	10	56	38	6	2	54	52
Osaka	2	13	0	13	63	36	44	10	42	36	8	12	44	52
Shiono														
Misaki	0	23	0	21	48	36	60	12	52	36	6	6	52	52

										Cloud cover, tenths				No.	
										.0-	.4-	.7-	.9-	of.	
										.3-	.6-	.8-	1.0	obs	
A	B	C	D	E	F	G	H	I							
REGION 5										1800 L.S.T.					
<u>Winter</u>															
Wajima	0	57	0	57	100	0	21	14	0	0	0	4	96	28	
Miyazu	0	63	0	58	97	2	22	2	5	2	3	8	87	86	
Ibuki	31	51	0	51	94	5	2	47	9	5	5	1	89	86	
Nagoya	0	6	0	6	39	56	50	42	68	56	13	10	21	84	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	1	0	1	14	74	37	62	87	74	5	4	17	86	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	5	0	2	57	40	59	30	52	39	14	21	26	86	
Shiono															
Misaki	0	1	0	1	14	76	47	52	87	76	7	6	11	85	
<u>Spring</u>															
Wajima	0	14	0	14	71	14	71	14	29	14	14	15	57	7	
Miyazu	0	58	0	54	92	8	19	19	8	8	4	7	81	26	
Ibuki	35	35	0	35	85	4	0	65	15	4	0	8	88	26	
Nagoya	0	4	0	0	42	35	27	69	69	35	15	12	38	26	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	8	0	8	27	50	12	77	77	50	8	8	34	86	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	4	0	4	65	27	62	27	42	27	11	12	50	26	
Shiono															
Misaki	0	0	0	0	31	54	50	50	77	54	11	12	23	26	
<u>Summer</u>															
Wajima	0	40	0	20	60	20	20	20	40	20	0	0	80	5	
Miyazu	0	0	0	0	80	0	100	0	20	0	0	20	80	5	
Ibuki	40	20	0	20	60	0	20	60	40	0	0	0	100	5	
Nagoya	0	0	0	0	40	0	40	60	60	0	20	0	80	5	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	0	0	0	20	0	60	40	80	0	0	80	20	5	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	0	0	0	100	0	80	0	0	0	0	20	80	5	
Shiono															
Misaki	0	0	0	0	20	0	60	20	80	0	0	60	40	5	
<u>Autumn</u>															
Wajima	0	43	0	36	93	0	50	7	7	0	7	14	79	14	
Miyazu	0	28	0	24	72	24	48	4	32	24	4	16	56	25	
Ibuki	36	20	0	20	76	24	12	68	24	24	0	0	76	25	
Nagoya	0	8	0	8	44	52	48	32	60	52	4	12	32	25	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	16	0	16	20	64	44	40	80	64	8	0	28	25	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	0	0	0	54	38	88	4	58	38	17	8	37	24	
Shiono															
Misaki	0	4	0	4	20	60	84	12	84	60	8	8	24	25	

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TABLE 17.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHEAST*
ERLY FLOW IN THE FREE AIR, REGION 5

Percentage of the observations made at 0600 and 1800 local time of the
meridian of 135° east longitude, at which certain weather conditions
have been recorded

	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 5														
0600 L.S.T.														
<u>Winter</u>														
Wajima	0	53	0	52	92	22	42	5	9	2	4	3	91	64
Miyazu	0	46	0	45	94	5	17	6	7	4	4	3	89	108
Ibuki	27	31	0	31	78	15	14	53	23	15	4	2	79	108
Nagoya	1	13	0	13	50	41	63	6	51	41	3	4	52	108
Kyoto	0	19	0	16	69	20	19	2	30	25	6	6	63	108
Hamamatsu	0	16	0	16	49	39	44	22	52	40	2	6	52	108
Kobe	0	15	0	14	54	37	41	6	50	37	5	9	49	107
Osaka	0	12	0	11	57	32	36	7	44	32	6	9	53	108
Shiono														
Misaki	0	22	0	22	55	39	59	12	46	39	3	9	49	108
<u>Spring</u>														
Wajima	0	36	0	36	59	9	45	18	45	9	5	4	82	22
Miyazu	0	36	0	36	79	15	24	7	21	15	3	6	76	67
Ibuki	29	29	0	29	74	9	17	50	24	12	9	2	77	66
Nagoya	2	29	0	29	54	34	38	15	46	34	5	6	55	65
Kyoto	0	30	0	27	76	12	27	0	25	12	4	8	76	87
Hamamatsu	0	33	0	33	67	24	48	11	35	24	2	7	67	67
Kobe	4	25	0	25	66	21	33	12	37	21	8	4	67	67
Osaka	0	27	0	25	69	22	37	4	31	23	4	4	69	67
Shiono														
Misaki	0	34	0	34	61	28	49	13	40	28	3	5	64	67
<u>Summer</u>														
Wajima	0	17	0	17	50	17	50	0	50	17	0	0	83	6
Miyazu	0	30	0	30	85	5	35	0	15	5	5	10	80	20
Ibuki	15	40	0	40	75	10	25	30	25	10	5	10	75	20
Nagoya	0	42	0	42	84	16	42	5	16	16	5	0	79	19
Kyoto	0	35	0	35	65	20	10	0	35	20	0	0	80	20
Hamamatsu	0	50	0	50	83	8	25	0	25	8	17	0	75	12
Kobe	0	30	0	30	85	10	45	0	15	10	0	0	90	20
Osaka	0	35	0	35	80	15	30	0	20	15	0	0	85	20
Shiono														
Misaki	0	30	0	25	80	15	25	35	20	15	5	5	75	20
<u>Autumn</u>														
Wajima	0	27	0	27	69	7	53	13	33	7	2	13	78	45
Miyazu	0	36	0	34	76	14	25	3	28	13	6	9	72	88
Ibuki	25	22	0	22	70	15	25	52	29	16	2	7	75	87
Nagoya	0	16	0	16	61	26	60	3	40	26	4	10	60	88
Kyoto	1	24	0	23	69	23	8	0	33	23	6	8	68	88
Hamamatsu	1	27	1	27	67	25	41	6	33	25	2	7	66	88
Kobe	0	24	0	24	60	26	56	2	42	26	4	5	66	88
Osaka	0	28	0	28	69	22	31	1	34	22	4	15	59	87
Shiono														
Misaki	0	35	1	34	64	20	49	7	39	20	10	6	64	88

	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 5														
										1800 L.S.T.				
<u>Winter</u>														
Wajima	0	26	0	26	77	11	50	14	25	10	5	5	80	84
Miyazu	0	28	0	28	90	8	35	9	17	8	9	3	80	138
Ibuki	17	20	0	20	58	29	15	62	42	30	4	6	60	137
Nagoya	0	10	0	10	30	59	45	38	72	60	5	4	31	137
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Hamamatsu	0	12	0	12	36	49	37	41	65	49	3	10	38	138
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Osaka	0	14	0	14	58	34	70	3	47	34	11	9	46	138
Shiono														
Misaki	0	15	0	15	36	49	65	9	64	50	5	4	41	138
<u>Spring</u>														
Wajima	0	6	2	6	48	27	65	13	54	27	9	8	56	48
Miyazu	0	20	0	20	58	21	62	8	45	21	10	4	65	124
Ibuki	16	11	1	11	43	30	7	80	54	33	10	8	49	123
Nagoya	0	6	0	6	35	42	37	53	67	42	7	11	49	124
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Hamamatsu	0	12	0	11	41	35	44	33	62	35	4	14	47	124
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Osaka	0	8	0	7	47	35	61	19	55	35	6	12	47	124
Shiono														
Misaki	0	12	0	11	37	33	54	18	62	34	10	10	46	123
<u>Summer</u>														
Wajima	0	4	0	4	71	8	71	13	38	8	13	4	75	24
Miyazu	0	9	0	9	51	29	71	2	56	29	9	15	47	45
Ibuki	26	11	0	11	57	15	33	48	41	17	4	7	72	46
Nagoya	0	7	2	7	54	20	54	24	50	19	9	11	61	46
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Hamamatsu	0	15	0	15	61	17	50	17	41	17	6	7	70	46
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Osaka	0	4	0	2	54	26	78	11	54	26	13	13	48	46
Shiono														
Misaki	0	9	0	9	41	22	61	13	54	26	13	11	50	46
<u>Autumn</u>														
Wajima	0	14	0	13	58	30	58	11	44	30	7	11	52	96
Miyazu	0	15	7	14	67	22	47	50	40	22	16	14	48	139
Ibuki	9	9	0	9	43	31	29	53	55	35	8	7	50	137
Nagoya	0	8	1	8	29	49	59	17	72	48	4	7	41	138
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Hamamatsu	7	14	0	14	46	38	45	10	57	38	8	11	43	138
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-
Osaka	0	5	0	5	48	42	74	5	58	42	13	16	29	139
Shiono														
Misaki	0	7	0	7	36	43	64	5	66	42	6	12	39	138

TABLE 13.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHEAST-
ERLY FLOW IN THE FREE AIR, REGION 5

Percentage of the observations made at 0600 and 1800 local time of the
meridian of 135° east longitude, at which certain weather conditions
have been recorded.

											Cloud cover, tenths				No.
	A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0	of obs.	
REGION 5															
0600 L.S.T.															
<u>Winter</u>															
Wajima	0	0	0	0	38	46	100	0	62	46	15	83	31	13	
Miyazu	0	13	0	13	75	21	21	4	25	21	8	0	71	24	
Ibuki	17	8	0	8	54	21	25	67	42	21	4	12	63	24	
Nagoya	0	0	0	0	54	38	63	0	54	38	12	8	42	24	
Kyoto	4	0	0	0	58	21	8	0	38	25	0	0	75	24	
Hamamatsu	0	0	0	0	46	46	75	0	54	46	4	0	50	24	
Kobe	0	0	0	0	50	29	46	4	54	29	4	9	58	24	
Osaka	0	0	0	0	61	26	61	0	39	26	0	9	65	23	
Shiono															
Misaki	0	4	0	4	46	33	79	17	54	33	13	0	54	24	
<u>Spring</u>															
Wajima	0	14	0	14	36	29	71	0	71	29	14	7	50	14	
Miyazu	0	6	0	6	52	24	24	0	48	24	6	3	67	33	
Ibuki	30	3	0	3	52	18	24	73	45	18	6	6	70	33	
Nagoya	0	3	0	3	27	36	58	6	73	37	6	21	36	33	
Kyoto	0	3	0	3	47	22	16	0	53	22	6	6	66	32	
Hamamatsu	0	4	0	4	32	40	64	20	66	40	0	12	48	25	
Kobe	0	6	0	3	36	30	48	9	67	30	6	15	49	33	
Osaka	0	3	0	3	48	30	58	3	55	30	12	12	46	33	
Shiono															
Misaki	0	3	0	3	42	36	73	21	58	36	0	0	64	33	
<u>Summer</u>															
Wajima	0	16	0	16	56	11	53	0	49	11	9	9	71	45	
Miyazu	0	19	0	19	49	30	16	0	51	30	6	10	54	69	
Ibuki	43	19	0	19	70	18	30	48	26	14	7	2	77	69	
Nagoya	3	14	0	13	55	28	26	0	48	28	4	10	58	69	
Kyoto	0	9	0	9	48	26	19	0	54	26	4	9	61	69	
Hamamatsu	2	7	2	7	52	13	67	2	50	13	15	10	62	60	
Kobe	0	10	0	10	48	20	39	14	54	20	3	18	59	69	
Osaka	0	12	0	12	48	26	58	0	55	26	10	10	54	69	
Shiono															
Misaki	0	30	0	28	68	7	45	12	33	7	9	9	75	69	
<u>Autumn</u>															
Wajima	0	0	0	0	23	38	85	0	77	38	0	8	54	13	
Miyazu	0	4	0	4	54	19	8	0	46	19	12	15	54	26	
Ibuki	28	8	0	8	44	28	24	64	60	28	8	0	64	25	
Nagoya	4	7	0	7	56	26	30	0	44	26	7	15	52	27	
Kyoto	0	4	0	4	33	30	7	0	70	29	15	4	52	27	
Hamamatsu	0	4	0	4	56	33	63	7	48	33	4	19	44	27	
Kobe	0	0	0	0	44	22	67	11	56	22	11	8	59	27	
Osaka	0	4	0	4	70	26	59	0	37	26	11	4	59	27	
Shiono															
Misaki	0	11	0	11	37	44	59	19	63	44	8	4	44	27	

											Cloud cover, tenths				No.
	A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0	of obs	
1800 L.S.T.															
REGION 5															
<u>Winter</u>															
Wajima	0	40	0	40	40	40	60	0	60	40	0	0	60	5	
Miyazu	0	50	0	50	80	20	20	0	20	20	0	0	80	10	
Ibuki	18	45	0	36	64	9	0	55	27	9	0	0	91	11	
Nagoya	0	55	0	55	82	9	18	0	18	9	0	0	91	11	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	50	0	50	100	0	40	10	10	0	10	0	90	10	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	45	0	45	82	18	36	0	18	18	0	0	82	11	
Shiono															
Misaki	0	55	0	55	91	0	18	18	9	0	9	0	91	11	
<u>Spring</u>															
Wajima	0	20	0	20	50	0	70	10	50	0	0	10	90	10	
Miyazu	0	32	0	32	59	14	32	5	41	14	0	9	77	22	
Ibuki	18	32	0	32	68	5	32	32	32	5	0	0	95	22	
Nagoya	0	32	0	32	68	14	59	0	32	14	0	4	82	22	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	27	0	27	68	5	50	14	32	5	0	9	86	22	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	32	0	32	77	9	55	5	23	9	5	9	77	22	
Shiono															
Misaki	0	36	0	36	91	5	36	27	9	4	5	9	82	22	
<u>Summer</u>															
Wajima	0	4	0	4	23	31	69	15	77	31	0	8	61	26	
Miyazu	0	9	2	9	52	24	65	2	52	24	9	15	52	54	
Ibuki	44	15	0	15	67	17	20	56	33	16	4	4	76	54	
Nagoya	0	17	0	17	50	20	70	13	50	20	2	9	69	54	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	19	0	19	54	19	63	9	44	19	7	9	65	54	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	19	2	19	70	24	67	6	33	24	13	15	48	54	
Shiono															
Misaki	0	35	0	33	70	19	39	19	31	18	4	13	65	54	
<u>Autumn</u>															
Wajima	0	14	0	14	19	33	48	0	81	33	0	10	57	21	
Miyazu	0	21	0	21	74	12	24	2	31	12	5	12	71	42	
Ibuki	38	17	0	17	74	17	21	60	26	17	0	2	81	42	
Nagoya	0	19	0	19	74	21	48	0	29	22	2	12	64	42	
Kyoto	9	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	26	0	26	64	21	50	10	40	22	9	0	69	42	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	22	0	22	80	12	59	10	22	12	5	15	68	41	
Shiono															
Misaki	0	40	2	40	81	14	38	19	24	14	7	3	76	42	

TABLE 19.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHWEST-
ERLY FLOW IN THE FREE AIR, REGION 5

Percentage of the observations made at 0600 and 1800 local time of the
meridian of 135° east longitude, at which certain weather conditions
have been recorded

	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 5														
0600 L.S.T.														
<u>Winter</u>														
Fajima	0	0	0	0	100	0	100	0	25	0	25	0	75	4
Miyazu	0	14	0	0	29	57	0	0	71	57	14	0	29	7
Ibuki	25	00	0	0	38	50	25	75	63	50	0	0	50	8
Nagoya	0	0	0	0	13	75	63	0	88	75	0	0	25	8
Kyoto	0	0	0	0	0	88	0	0	100	87	0	0	13	8
Hamamatsu	0	0	0	0	13	75	88	0	88	75	0	12	13	8
Kobe	0	0	0	0	0	88	75	13	100	87	0	0	13	8
Osaka	0	0	0	0	25	75	25	13	75	75	12	0	13	8
Shiono														
Misaki	0	0	0	0	38	38	88	0	75	38	25	0	37	8
<u>Spring</u>														
Fajima	0	0	0	0	17	39	87	9	87	39	9	9	43	23
Miyazu	0	2	0	2	21	47	30	2	79	47	4	21	28	47
Ibuki	21	0	0	0	36	32	26	72	57	38	11	6	45	47
Nagoya	2	0	0	0	28	48	52	2	74	50	6	11	33	46
Kyoto	4	4	0	4	13	57	6	0	83	60	4	17	19	47
Hamamatsu	2	0	0	0	30	42	81	5	70	42	5	14	29	43
Kobe	2	4	0	4	21	53	51	2	79	53	4	7	36	47
Osaka	0	4	0	4	26	55	55	0	74	56	4	21	19	47
Shiono														
Misaki	0	6	0	6	26	49	74	8	72	49	4	11	36	47
<u>Summer</u>														
Fajima	0	9	0	9	33	32	56	3	67	32	6	8	54	78
Miyazu	1	4	0	4	47	39	22	0	55	39	11	10	40	113
Ibuki	42	10	0	10	64	16	46	38	35	17	5	4	74	111
Nagoya	4	9	0	9	55	24	37	0	46	25	8	12	55	114
Kyoto	0	8	0	8	54	27	4	0	49	27	6	9	58	113
Hamamatsu	2	11	0	11	52	29	45	1	48	29	5	6	60	98
Kobe	2	10	0	10	55	23	29	1	46	24	4	8	64	114
Osaka	1	8	0	8	52	30	29	0	50	31	13	12	44	112
Shiono														
Misaki	1	12	1	11	46	27	66	5	53	28	8	13	51	111
<u>Autumn</u>														
Fajima	0	5	0	5	42	21	95	0	63	21	5	21	53	19
Miyazu	0	4	0	4	58	25	13	0	42	25	4	25	46	24
Ibuki	33	8	0	8	46	25	21	67	54	25	8	4	63	24
Nagoya	4	8	0	8	46	33	75	0	58	33	17	17	33	24
Kyoto	8	8	0	8	50	33	8	0	58	33	13	4	50	24
Hamamatsu	0	13	0	13	38	46	75	0	63	46	4	8	42	24
Kobe	0	13	0	8	29	42	71	8	67	42	4	12	42	24
Osaka	0	4	0	4	50	38	33	0	54	38	12	17	33	24
Shiono														
Misaki	0	17	0	17	38	50	75	0	67	50	8	13	29	24

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										Cloud cover, tenths				No.	
										.0- .3	.4- .6	.7- .8	.9- 1.0	of. obs	
A	B	C	D	E	F	G	H	I							
REGION 5										1800 L.S.T.					
<u>Winter</u>															
Wajima	0	29	0	29	71	0	29	29	29	0	0	0	100	7	
Miyazu	0	35	0	35	65	15	35	15	35	15	5	0	80	20	
Ibuki	20	40	0	40	85	15	15	45	15	15	0	5	80	20	
Nagoya	0	30	0	30	65	20	30	0	40	20	5	0	75	20	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	30	0	30	55	30	40	0	45	30	0	15	55	20	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	30	0	30	75	15	25	0	25	15	0	10	75	20	
Shiono															
Misaki	0	30	0	30	60	30	45	10	40	30	10	0	60	20	
<u>Spring</u>															
Wajima	0	30	3	30	47	13	33	10	53	14	3	0	83	30	
Miyazu	0	18	3	18	43	14	58	8	58	14	7	7	72	76	
Ibuki	22	16	0	16	54	13	29	51	41	13	4	4	79	76	
Nagoya	0	20	0	20	50	17	51	24	51	18	4	9	69	76	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	20	0	20	54	22	64	3	47	23	5	5	67	76	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	18	0	18	53	27	58	14	47	27	3	15	55	73	
Shiono															
Misaki	0	18	0	17	62	17	61	14	42	17	8	8	67	76	
<u>Summer</u>															
Wajima	0	12	0	12	36	23	57	3	65	23	9	7	61	77	
Miyazu	0	13	1	12	53	19	57	2	49	19	8	11	62	140	
Ibuki	25	18	2	17	64	19	45	29	37	14	8	7	71	139	
Nagoya	1	16	4	16	52	19	59	16	51	19	11	15	55	140	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	1	11	0	11	55	18	76	4	50	18	7	11	64	141	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	1	6	0	6	60	17	69	19	44	17	15	18	50	139	
Shiono															
Misaki	0	15	0	15	52	16	61	10	52	16	11	16	57	140	
<u>Autumn</u>															
Wajima	0	7	0	7	40	13	60	0	67	13	20	0	67	15	
Miyazu	0	15	0	15	50	27	46	0	50	27	4	4	65	26	
Ibuki	23	19	0	19	65	8	35	38	23	23	15	0	62	26	
Nagoya	0	16	0	16	60	28	64	8	40	28	0	68	64	25	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	27	0	27	50	31	54	0	50	31	0	11	58	26	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	8	0	8	65	23	35	12	38	23	15	8	54	26	
Shiono															
Misaki	0	19	0	19	62	27	65	4	38	27	4	11	58	26	

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TABLE 20.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHWEST-
EELY FLOW IN THE FREE AIR, REGION 5

Percentage of the observations made at 0600 and 1800 local time of the
meridian of 135° east longitude, at which certain weather conditions
have been recorded.

	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 5														
0600 L.S.T.														
<u>Winter</u>														
Wajima	0	52	0	48	76	7	34	7	21	10	0	7	83	29
Miyazu	0	30	0	27	74	24	25	6	31	23	10	5	62	102
Ibuki	35	37	0	37	88	10	21	41	16	10	6	0	84	103
Nagoya	0	6	0	6	41	53	67	3	59	53	4	9	34	103
Kyoto	0	9	0	7	47	44	20	0	55	44	8	8	40	101
Hamamatsu	0	2	0	2	22	69	61	27	81	69	4	6	21	103
Kobe	0	5	0	5	37	57	70	11	67	57	5	7	31	103
Osaka	0	5	0	5	43	51	45	18	61	51	7	6	36	103
Shiono														
Misaki	0	7	0	6	19	68	61	28	83	68	6	6	20	103
<u>Spring</u>														
Wajima	02	26	0	26	59	23	54	8	46	23	8	8	61	39
Miyazu	2	19	0	18	50	35	25	7	52	35	7	6	52	102
Ibuki	30	18	0	18	66	21	11	71	33	21	6	5	68	102
Nagoya	0	12	1	9	41	46	49	5	60	47	3	11	39	102
Kyoto	0	8	0	7	51	34	18	1	53	34	10	4	52	101
Hamamatsu	0	13	1	13	44	45	49	19	58	45	6	9	40	89
Kobe	0	6	0	5	33	48	57	11	68	49	9	4	38	102
Osaka	0	7	0	7	47	39	44	11	55	39	8	12	41	100
Shiono														
Misaki	0	16	1	16	43	37	56	17	62	37	12	9	42	101
<u>Summer</u>														
Wajima	0	17	4	17	54	17	50	13	46	17	4	4	75	24
Miyazu	0	15	0	15	38	30	23	13	63	30	7	10	53	40
Ibuki	38	23	0	23	73	8	28	48	25	8	7	5	80	40
Nagoya	0	18	0	18	45	23	40	3	55	22	10	23	45	40
Kyoto	0	20	0	20	50	22	8	0	50	22	5	10	63	40
Hamamatsu	0	24	0	21	55	29	37	3	47	29	3	10	58	38
Kobe	0	15	0	15	53	18	40	5	48	18	5	7	70	40
Osaka	0	13	0	12	53	28	20	8	53	27	8	10	55	40
Shiono														
Misaki	0	15	0	15	55	20	45	12	45	20	5	12	63	40
<u>Autumn</u>														
Wajima	0	40	0	38	74	8	51	6	28	8	7	11	74	53
Miyazu	0	10	0	10	52	23	28	2	54	24	17	11	48	81
Ibuki	43	15	0	15	77	14	12	73	23	13	5	4	78	81
Nagoya	10	9	0	9	48	38	49	5	49	39	6	4	51	80
Kyoto	12	6	0	6	46	32	16	0	52	36	9	12	43	81
Hamamatsu	0	12	0	12	43	41	58	12	58	41	5	6	48	81
Kobe	0	5	0	5	49	34	71	9	56	35	15	5	45	80
Osaka	2	6	0	5	56	33	36	7	47	35	12	6	47	81
Shiono														
Misaki	0	10	0	10	36	40	65	11	68	40	9	7	44	80

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										Cloud cover, tenths				No.	
	A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0	of. obs	
REGION 5										1800 L.S.T.					
<u>Winter</u>															
Wajima	0	65	0	62	94	3	29	6	6	3	0	0	97	34	
Miyazu	0	47	0	44	83	16	38	0	20	17	8	8	67	87	
Ibuki	31	52	0	51	92	6	6	43	9	6	1	0	93	87	
Nagoya	1	6	0	5	44	48	68	21	60	48	12	15	25	87	
Kyoto	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Hamamatsu	0	5	0	3	20	70	43	49	83	70	7	5	18	86	
Kobe	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Osaka	0	2	0	2	41	56	46	41	67	56	13	10	21	87	
Shiono															
Misaki	0	4	0	2	16	69	47	49	87	69	5	5	21	85	
<u>Spring</u>															
Wajima	0	25	0	25	70	20	50	15	30	20	0	10	70	20	
Miyazu	0	42	0	40	71	24	42	3	32	24	5	10	61	38	
Ibuki	13	32	0	32	66	16	00	68	37	18	5	3	74	38	
Nagoya	0	0	0	0	37	53	24	76	68	53	16	5	26	38	
Kyoto	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Hamamatsu	0	3	0	3	16	74	13	84	87	74	5	3	18	38	
Kobe	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Osaka	0	5	0	3	58	39	53	26	45	40	13	26	21	38	
Shiono															
Misaki	0	3	0	0	13	71	42	55	84	76	5	3	16	38	
<u>Summer</u>															
Wajima	0	0	0	0	23	15	69	31	77	15	8	8	69	13	
Miyazu	0	0	0	0	60	20	95	0	55	20	15	25	40	20	
Ibuki	40	20	0	20	60	20	5	75	40	20	0	0	80	20	
Nagoya	0	5	0	5	30	25	50	45	80	25	15	20	40	20	
Kyoto	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Hamamatsu	0	10	0	10	35	25	45	45	65	25	10	20	45	20	
Kobe	0	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Osaka	0	5	0	5	53	32	89	0	47	32	10	21	37	19	
Shiono															
Misaki	0	5	0	5	25	30	40	55	75	30	25	20	25	20	
<u>Autumn</u>															
Wajima	0	38	0	19	75	16	50	3	28	16	6	19	59	32	
Miyazu	0	18	0	14	64	36	62	0	41	39	9	11	43	44	
Ibuki	18	32	0	32	75	18	14	55	32	18	7	0	75	44	
Nagoya	0	2	0	2	41	43	73	14	66	46	20	11	23	44	
Kyoto	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Hamamatsu	0	5	0	5	16	70	61	32	84	70	7	5	18	44	
Kobe	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Osaka	0	7	0	5	48	48	61	25	57	48	16	11	25	44	
Shiono															
Misaki	0	5	0	5	14	61	68	23	86	61	7	14	18	44	

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TABLE 21.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH
RIDGES AND CENTERS OF HIGH PRESSURE, REGION 5

Percentage of the observations made at 0600 and 1800 local time of the
meridian of 135° east longitude, at which certain weather conditions
have been recorded

											Cloud cover, tenths				No.		
											.0-	.4-	.7-	.9-			
											.3	.6	.8	1.0	obs		
REGION 5											0600 L.S.T.						
<u>Winter</u>																	
Wajima	0	19	0	19	56	25	75	6	44	25	0	0	75	16			
Miyazu	3	18	0	18	73	24	18	0	30	24	6	12	58	33			
Ibuki	15	18	0	18	64	24	27	52	36	24	0	6	70	33			
Nagoya	0	0	0	0	22	63	69	0	78	63	9	3	25	32			
Kyoto	0	3	0	3	33	42	12	0	73	43	12	9	36	33			
Hamamatsu	0	0	0	0	16	69	69	13	84	69	3	3	25	32			
Kobe	0	0	0	0	30	48	70	0	73	49	9	6	36	33			
Osaka	3	0	0	0	28	59	56	0	72	63	6	3	28	32			
Shiono																	
Misaki	0	3	0	3	21	64	76	15	79	64	3	9	24	33			
<u>Spring</u>																	
Wajima	0	5	0	5	46	32	81	8	57	33	5	5	57	37			
Miyazu	0	8	0	8	55	28	34	2	46	28	6	12	54	83			
Ibuki	18	12	0	12	47	31	20	64	54	31	10	1	58	83			
Nagoya	1	10	0	10	33	41	47	7	67	41	5	17	37	83			
Kyoto	0	8	0	8	37	41	20	0	63	41	6	6	47	83			
Hamamatsu	0	12	0	12	52	32	43	20	49	32	3	6	59	65			
Kobe	0	4	0	4	31	36	53	6	72	36	10	6	48	83			
Osaka	1	6	0	6	43	37	59	1	55	39	2	13	46	83			
Shiono																	
Misaki	0	16	0	16	39	36	64	7	60	37	1	5	57	83			
<u>Summer</u>																	
Wajima	0	17	0	17	43	26	47	4	53	26	8	2	64	53			
Miyazu	0	8	0	8	51	40	13	1	53	40	6	13	41	85			
Ibuki	36	15	0	15	62	20	29	47	38	20	8	5	67	85			
Nagoya	4	13	0	12	48	31	41	0	52	31	8	7	54	85			
Kyoto	0	8	0	8	51	32	4	0	52	32	9	5	54	85			
Hamamatsu	0	13	0	13	55	28	39	4	48	28	11	4	57	75			
Kobe	0	9	0	8	49	29	36	1	53	30	12	9	49	85			
Osaka	1	7	0	7	48	32	32	0	55	32	12	14	42	85			
Shiono																	
Misaki	0	9	0	9	42	32	62	6	60	33	12	9	46	85			
<u>Autumn</u>																	
Wajima	0	15	0	11	55	25	69	5	47	25	11	20	44	55			
Miyazu	1	10	0	10	51	35	31	1	58	35	14	4	47	88			
Ibuki	17	13	0	13	42	45	33	49	60	47	7	2	44	86			
Nagoya	5	6	0	6	40	45	66	0	61	45	10	6	39	88			
Kyoto	3	7	0	7	35	44	5	0	67	45	9	5	41	88			
Hamamatsu	0	9	0	9	41	40	58	2	64	40	10	13	37	88			
Kobe	0	5	0	5	32	55	59	5	67	55	7	8	33	88			
Osaka	1	6	0	6	41	50	39	0	61	50	7	12	31	88			
Shiono																	
Misaki	0	16	0	14	40	47	74	5	62	47	8	8	37	88			

											Cloud cover, tenths				No. of obs
A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0			
REGION 5											1800 L.S.T.				
<u>Winter</u>															
Wajima	0	18	0	18	50	45	50	0	50	45	9	0	46	22	
Miyazu	0	6	0	6	59	30	48	2	44	30	11	5	54	54	
Ibuki	17	13	0	13	47	42	23	60	55	41	4	8	47	53	
Nagoya	0	2	0	2	24	63	46	11	76	67	7	6	20	54	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	4	0	4	24	67	48	30	80	67	9	4	20	54	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	2	0	2	46	46	44	00	54	46	2	13	39	54	
Shiono															
Misaki	0	6	0	6	30	56	35	0	72	56	9	7	28	54	
<u>Spring</u>															
Wajima	0	9	0	9	26	39	65	4	78	39	9	17	35	23	
Miyazu	0	2	0	2	15	44	49	2	87	44	10	14	32	59	
Ibuki	9	2	0	2	20	42	24	70	73	44	7	12	37	59	
Nagoya	0	2	0	2	14	51	48	32	87	51	7	8	34	59	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	0	0	0	24	51	68	22	76	51	2	5	42	59	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	2	0	2	21	48	78	2	81	48	3	16	33	58	
Shiono															
Misaki	0	4	0	4	22	46	54	24	80	46	9	10	35	59	
<u>Summer</u>															
Wajima	0	0	0	0	33	46	75	0	71	46	4	4	46	24	
Miyazu	0	6	6	6	42	15	58	0	64	15	21	12	52	33	
Ibuki	22	9	6	9	59	9	50	19	44	9	16	0	75	32	
Nagoya	0	0	9	0	33	15	82	3	67	15	9	12	64	33	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	0	0	0	55	9	70	9	55	9	24	0	67	33	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	0	3	0	76	9	35	12	30	9	18	18	55	33	
Shiono															
Misaki	0	6	0	6	42	21	67	9	58	21	21	12	46	33	
<u>Autumn</u>															
Wajima	0	4	0	4	26	33	63	0	78	33	7	4	56	27	
Miyazu	0	9	0	9	42	36	56	0	61	36	8	9	47	66	
Ibuki	23	8	0	8	52	32	38	50	52	32	4	9	55	66	
Nagoya	0	11	0	11	46	38	59	0	52	39	5	12	44	66	
Kyoto	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Hamamatsu	0	12	2	12	46	34	57	2	54	35	5	5	55	65	
Kobe	-	-	-	-	-	-	-	NO DATA		-	-	-	-	-	
Osaka	0	11	0	11	59	34	56	0	45	34	11	17	38	64	
Shiono															
Misaki	0	15	0	15	51	35	68	5	57	37	18	3	42	65	

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TABLE 22.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHERLY FLOW IN THE FREE AIR, REGION 6

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

											Cloud cover, tenths				No.		
											.0	.4	.7	.9	of		
A	B	C	D	E	F	G	H	I			.3	.6	.8	1.0	obs.		
REGION 6											0600 L.S.T.						
<u>Winter</u>																	
Sakai	1	39	0	38	93	5	17	7	11	5	5	3	87	109			
Hamada	0	32	0	31	83	11	43	19	20	11	5	8	76	109			
Okayama	0	4	0	4	31	47	27	9	70	47	6	6	41	109			
Hiroshima	1	17	0	13	66	27	16	0	37	27	7	5	61	109			
Izuhara	0	8	0	6	37	46	50	17	65	46	7	4	43	109			
Tokushima	0	9	0	8	39	42	59	10	64	43	6	6	45	109			
Shimonoseki	1	16	0	16	85	11	30	41	17	11	6	7	76	109			
Matsuyama	0	8	0	8	55	28	41	3	46	28	8	5	59	109			
Fukuoka	0	16	0	15	77	16	51	17	26	16	6	10	68	109			
Kochi	0	3	0	2	21	63	46	0	84	63	9	4	24	109			
Oita	1	3	0	2	44	42	68	9	61	43	8	8	41	109			
Shimizu	0	6	0	6	53	47	24	0	47	47	0	0	53	17			
Nagasaki	1	19	0	18	66	17	40	16	37	18	7	7	68	109			
Miyazaki	0	4	0	4	21	59	62	9	79	59	2	8	31	109			
Kagoshima	0	11	0	10	58	31	54	0	45	31	7	7	55	108			
<u>Spring</u>																	
Sakai	0	19	0	19	62	22	24	5	38	22	3	13	62	37			
Hamada	0	19	0	19	56	22	47	11	44	22	6	5	67	36			
Okayama	0	8	0	8	35	32	8	5	65	32	8	6	54	37			
Hiroshima	3	14	0	11	59	27	11	0	43	27	5	0	68	37			
Izuhara	0	0	0	0	41	22	46	22	62	22	8	16	54	37			
Tokushima	8	8	0	8	46	30	43	5	57	30	8	8	54	37			
Shimonoseki	3	11	0	11	62	30	62	27	43	30	11	8	51	37			
Matsuyama	8	17	0	11	50	19	25	3	53	19	3	3	75	36			
Fukuoka	0	8	0	8	51	32	57	3	51	32	6	0	62	37			
Kochi	8	11	0	8	36	28	42	0	64	28	17	5	50	36			
Oita	0	5	0	5	54	30	41	3	54	30	11	5	54	37			
Shimizu	0	0	0	0	38	50	50	0	63	50	0	12	38	8			
Nagasaki	0	3	0	3	59	27	43	22	43	27	5	0	68	37			
Miyazaki	0	5	0	5	38	43	43	14	65	43	8	3	46	37			
Kagoshima	3	5	0	5	49	32	38	5	54	35	8	11	46	37			

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											Cloud cover, tenths				No.		
											.0-	.4-	.7-	.9-	of		
A	B	C	D	E	F	G	H	I			.3	.6	.8	1.0	obs.		
REGION 6											1800 L.S.T.						
<u>Winter</u>																	
Sakai	1	45	0	42	98	2	42	2	2	3	2	10	85	88			
Hamada	0	26	0	26	93	3	49	22	12	4	8	8	80	88			
Okayama	0	2	0	2	48	44	75	6	64	44	17	6	33	88			
Hiroshima	0	6	0	6	62	33	47	1	47	34	12	17	37	87			
Izuhara	0	5	0	5	30	49	60	9	72	49	6	7	38	88			
Tokushima	-	-	-	-	-	NO DATA				-	-	-	-	-			
Shimonoseki	0	14	0	14	87	12	48	35	22	13	10	16	61	88			
Matsuyama	0	3	0	3	72	22	67	3	36	22	11	11	56	88			
Fukuoka	0	16	0	13	74	21	64	10	31	22	8	9	61	87			
Kochi	0	1	0	1	19	66	62	2	88	66	12	3	19	86			
Oita	0	3	0	2	44	51	68	21	64	51	9	11	29	87			
Shimizu	0	0	0	0	25	50	56	0	81	50	12	19	19	16			
Nagasaki	0	15	0	15	65	22	60	22	38	23	9	7	61	87			
Miyazaki	0	0	0	0	19	69	74	14	83	69	5	5	21	88			
Kagoshima	0	2	0	2	44	46	74	8	63	46	10	5	39	87			
<u>Spring</u>																	
Sakai	0	26	0	26	67	22	74	0	41	22	11	11	56	27			
Hamada	0	7	0	7	59	19	56	22	44	19	15	11	55	27			
Okayama	0	4	0	4	41	44	78	7	70	44	19	7	30	27			
Hiroshima	0	7	0	7	30	48	63	0	81	48	19	0	33	27			
Izuhara	0	7	0	7	26	41	59	11	74	41	4	0	55	27			
Tokushima	-	-	-	-	-	NO DATA				-	-	-	-	-			
Shimonoseki	7	0	7	48	37	78	15	59	37	29	4	4	30	27			
Matsuyama	0	4	0	4	33	44	67	0	67	44	4	19	33	27			
Fukuoka	0	7	0	7	41	37	81	4	67	37	15	0	48	27			
Kochi	0	4	0	4	30	41	74	4	78	41	29	15	15	27			
Oita	0	4	0	4	30	44	56	26	74	44	11	8	37	27			
Shimizu	0	10	0	10	20	60	50	0	90	60	10	0	30	10			
Nagasaki	0	4	0	4	26	41	67	26	78	41	7	15	37	27			
Miyazaki	0	4	0	4	26	37	74	7	74	37	8	22	33	27			
Kagoshima	0	4	0	4	22	41	81	7	81	41	18	11	30	27			

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TABLE 22.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHERLY FLOW IN THE FREE AIR, REGION 6 (cont.)

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

Cloud cover, tenths										No. of						
										.0-	.4-	.7-	.9-	obs.		
										.3	.6	.8	1.0			
A	B	C	D	E	F	G	H	I								
REGION 6										0600 L.S.T.						
<u>Summer</u>																
Sakai	8	33	0	33	67	25	8	0	25	33	0	9	58	12		
Hamada	0	0	0	0	75	17	67	17	33	17	0	16	67	12		
Okayama	0	33	0	33	42	33	17	0	58	33	0	9	58	12		
Hiroshima	0	25	0	25	50	42	8	0	50	42	0	8	50	12		
Izuhara	0	0	0	0	42	25	33	17	67	25	17	0	58	12		
Tokushima	8	33	0	33	42	33	25	0	58	33	17	8	42	12		
Shimonoseki	0	25	0	17	83	17	58	0	42	17	25	8	50	12		
Matsuyama	0	25	0	25	75	17	42	0	25	17	8	0	75	12		
Fukuoka	0	17	0	17	42	50	42	0	58	50	0	0	50	12		
Kochi	8	25	0	25	42	50	8	0	58	50	0	0	50	12		
Oita	0	25	0	25	42	42	25	0	58	42	8	0	50	12		
Shimizu	0	0	0	0	0	100	0	0	100	100	0	0	0	1		
Nagasaki	8	17	0	17	50	42	17	8	50	42	8	0	50	12		
Miyazaki	0	33	0	33	42	25	17	8	58	25	0	0	75	12		
Kagoshima	0	25	0	25	67	17	33	0	42	17	8	8	67	12		
<u>Autumn</u>																
Sakai	4	25	0	23	73	14	12	4	31	15	10	14	61	52		
Hamada	0	15	0	13	65	23	62	6	38	23	9	8	60	52		
Okayama	2	15	0	15	48	42	8	0	58	42	10	6	42	52		
Hiroshima	0	15	0	15	56	38	38	0	44	38	4	4	54	52		
Izuhara	0	6	0	6	34	40	38	12	71	40	8	4	48	52		
Tokushima	0	23	0	23	58	35	52	2	46	34	8	6	52	52		
Shimonoseki	2	13	0	13	65	33	42	23	38	33	8	11	48	52		
Matsuyama	0	15	0	14	60	36	38	0	44	36	12	8	44	52		
Fukuoka	2	13	0	13	62	31	42	6	40	31	6	4	59	52		
Kochi	0	15	0	15	33	44	58	2	69	44	12	4	40	52		
Oita	0	12	0	12	40	36	48	6	62	37	4	15	44	52		
Shimizu	0	19	0	19	36	55	23	0	68	55	6	0	39	31		
Nagasaki	0	8	0	8	42	37	42	10	60	37	11	2	50	52		
Miyazaki	0	12	0	12	40	48	42	4	60	48	4	4	44	52		
Kagoshima	0	15	0	12	38	48	52	0	62	48	2	13	37	52		

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										-Cloud cover, tenths				No.	
										.0-	.4-	.7-	.9-	of	
										.3	.6	.8	1.0	obs.	
REGION 6										1800 L.S.T.					
<u>Summer</u>															
Sakai	0	0	0	0	67	33	100	0	33	33	17	0	50	6	
Hamada	0	0	0	0	33	17	83	17	83	17	17	0	66	6	
Okayama	0	17	0	17	33	50	67	0	67	50	0	17	33	6	
Hiroshima	0	17	0	17	50	50	33	0	50	50	0	0	50	6	
Izuhara	0	17	0	17	33	33	50	0	67	33	17	0	50	6	
Tokushima	-	-	-	-	-	NO DATA			-	-	-	-	-	-	
Shimonoseki	0	0	0	0	33	33	83	17	50	50	0	0	50	6	
Matsuyama	0	0	0	0	17	17	83	0	83	17	17	0	66	6	
Fukuoka	0	0	0	0	33	17	83	0	67	17	17	0	66	6	
Kochi	0	0	0	0	50	17	33	0	50	17	0	0	83	6	
Oita	0	17	0	17	17	17	50	0	83	17	0	33	50	6	
Shimizu	0	0	0	0	0	100	100	0	100	100	0	0	0	1	
Nagasaki	0	0	0	0	33	17	100	0	67	17	0	17	66	6	
Miyazaki	0	0	0	0	33	33	83	17	67	33	0	17	50	6	
Kagoshima	0	33	0	33	67	17	67	0	33	17	0	17	66	6	
<u>Autumn</u>															
Sakai	0	19	0	19	72	22	59	3	34	22	9	16	53	32	
Hamada	0	16	0	13	69	25	56	13	34	25	6	22	47	32	
Okayama	0	6	0	3	41	50	50	0	66	50	6	10	34	32	
Hiroshima	0	0	0	0	25	50	38	0	78	50	13	12	25	32	
Izuhara	0	3	0	3	22	56	47	3	84	56	10	6	28	32	
Tokushima	-	-	-	-	-	NO DATA			-	-	-	-	-	-	
Shimonoseki	0	6	0	6	66	28	84	9	38	28	13	28	31	32	
Matsuyama	0	3	0	3	38	38	28	0	66	38	19	9	34	32	
Fukuoka	0	3	0	3	44	34	53	3	59	34	9	16	41	32	
Kochi	0	3	0	3	28	53	28	0	78	53	13	9	25	32	
Oita	0	13	0	3	28	53	69	9	75	53	10	3	34	32	
Shimizu	0	0	0	0	24	53	6	0	82	53	18	6	23	17	
Nagasaki	0	0	0	0	38	34	75	6	72	34	10	3	53	32	
Miyazaki	0	0	0	0	31	44	47	0	69	44	6	9	41	32	
Kagoshima	0	0	0	0	22	53	63	0	81	53	6	10	31	32	

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TABLE 23.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHEASTERLY FLOW IN THE FREE AIR, REGION 6

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

											Cloud cover, tenths				No.	
											.0-	.4-	.7-	.9-	of	
											.3	.6	.8	1.0	obs.	
REGION 6											0600 L.S.T.					
<u>Winter</u>																
Sakai	2	40	0	40	89	7	20	6	13	7	4	6	83	157		
Hamada	0	33	0	32	80	10	47	13	23	10	6	4	80	157		
Okayama	1	13	0	13	54	32	17	2	50	32	7	5	56	157		
Hiroshima	0	20	0	20	66	28	21	1	39	28	8	6	58	157		
Izuhara	0	24	0	24	55	30	47	9	49	30	8	5	57	156		
Tokushima	0	14	0	14	59	29	52	9	44	29	6	5	60	156		
Shimonoseki	1	19	0	18	76	22	40	28	29	22	6	10	62	156		
Matsuyama	1	13	0	13	58	25	34	2	45	25	8	5	62	157		
Fukuoka	0	20	0	19	73	20	36	8	31	20	5	6	69	157		
Kochi	1	9	0	8	30	47	53	6	76	47	12	6	35	157		
Oita	1	13	0	12	53	31	54	8	52	31	8	5	56	156		
Shimizu	0	24	0	22	54	41	15	4	46	43	9	7	41	46		
Nagasaki	0	19	0	19	58	31	46	13	43	32	4	4	60	157		
Miyazaki	0	13	0	13	41	45	52	5	59	45	2	5	48	157		
Kagoshima	0	17	0	15	62	31	37	1	41	31	8	6	55	156		
<u>Spring</u>																
Sakai	0	30	0	28	77	19	23	7	26	19	7	12	62	57		
Hamada	0	30	0	30	65	23	40	25	35	23	4	5	68	57		
Okayama	2	16	0	16	42	33	23	5	58	33	5	4	58	57		
Hiroshima	0	12	2	12	58	33	23	0	46	33	5	9	53	57		
Izuhara	0	14	0	14	57	29	38	21	45	28	2	7	63	56		
Tokushima	4	18	2	18	56	33	40	7	44	33	9	4	54	57		
Shimonoseki	2	25	0	25	70	26	42	25	37	26	7	14	53	57		
Matsuyama	0	21	0	19	54	35	23	7	49	35	5	2	58	57		
Fukuoka	2	21	0	21	54	18	46	7	47	18	9	3	70	57		
Kochi	4	16	0	16	48	36	48	0	52	38	3	5	54	56		
Oita	0	19	0	19	49	44	39	9	56	44	11	5	40	57		
Shimizu	0	27	0	27	64	27	36	9	36	27	0	18	55	11		
Nagasaki	0	16	0	16	58	28	35	25	42	28	5	5	62	57		
Miyazaki	0	16	0	16	49	40	56	2	53	40	4	3	53	57		
Kagoshima	2	11	0	11	53	26	51	0	47	26	7	11	56	57		

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	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs.
										.0-.3	.4-.6	.7-.8	.9-1.0	
REGION 6							1800	L.S.T.						
<u>Winter</u>														
Sakai	0	34	0	32	86	12	36	5	17	12	5	9	74	137
Hamada	0	16	0	15	76	17	57	9	30	17	8	10	65	138
Okayama	0	12	0	12	52	33	47	0	54	33	10	9	48	138
Hiroshima	1	12	0	10	62	30	36	0	40	31	6	7	56	138
Izuhara	0	14	0	14	41	35	48	3	62	35	8	9	48	138
Tokushima	-	-	-	-	-	-	NO DATA	-	-	-	-	-	-	-
Shimonoseki	0	9	0	7	68	28	67	7	38	28	9	11	52	138
Matsuyama	0	12	0	12	49	36	33	2	56	36	11	2	51	138
Fukuoka	0	10	0	10	58	27	58	1	43	27	4	8	61	137
Kochi	0	12	0	12	30	48	43	2	70	48	2	9	41	138
Oita	0	12	0	11	47	39	55	8	53	40	4	5	51	137
Shimizu	0	21	0	21	49	37	30	0	56	37	7	0	56	43
Nagasaki	0	9	0	9	41	39	69	4	61	39	9	1	51	137
Miyazaki	0	12	1	12	49	38	32	1	51	38	1	6	55	138
Kagoshima	0	11	0	11	44	39	40	4	58	40	2	8	50	137
<u>Spring</u>														
Sakai	0	17	0	17	66	24	63	3	37	24	10	8	58	120
Hamada	1	15	0	15	51	25	57	15	50	25	7	3	65	120
Okayama	0	7	0	7	43	32	76	2	59	32	8	8	52	120
Hiroshima	0	8	0	8	49	32	59	2	54	32	12	9	47	120
Izuhara	0	12	0	12	47	17	51	13	55	18	8	3	71	120
Tokushima	-	-	-	-	-	-	NO DATA	-	-	-	-	-	-	-
Shimonoseki	0	8	0	8	49	30	82	3	54	30	8	12	50	119
Matsuyama	0	12	0	11	40	30	58	2	63	30	7	7	56	120
Fukuoka	0	13	0	12	47	27	71	14	56	27	6	5	62	119
Kochi	1	12	1	11	45	28	42	3	62	28	10	7	55	119
Oita	0	10	0	10	38	30	42	20	64	30	4	9	57	118
Shimizu	0	15	0	15	38	15	38	0	62	15	0	8	77	13
Nagasaki	0	11	0	11	32	38	69	18	71	38	6	3	53	119
Miyazaki	0	20	0	20	54	24	57	8	47	24	3	9	64	119
Kagoshima	0	14	0	14	39	29	63	1	64	29	9	7	55	119

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											Cloud cover, tenths				No.
	A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0	of obs.	
REGION 6	1800 L.S.T.														
<u>Summer</u>															
Sakai	0	13	0	13	71	24	76	0	29	24	16	18	42	45	
Hamada	0	2	0	2	56	27	91	4	49	27	7	22	44	45	
Okayama	0	11	2	11	51	31	78	2	51	31	7	20	42	45	
Hiroshima	0	2	2	2	38	41	70	0	62	41	7	14	38	44	
Izuhara	0	0	0	0	38	32	50	7	60	32	5	9	54	44	
Tokushima	-	-	-	-	-	NO DATA				-	-	-	-	-	
Shimonoseki	0	0	0	0	36	44	89	7	71	44	18	13	25	45	
Matsuyama	0	4	0	4	33	31	58	0	69	31	11	9	49	45	
Fukuoka	0	2	2	2	22	42	84	11	78	42	5	9	44	45	
Kochi	0	11	0	9	55	13	22	0	44	13	9	7	71	45	
Oita	0	4	0	4	27	47	49	7	73	47	9	4	40	45	
Shimizu	0	11	0	11	28	22	50	0	78	22	11	17	50	18	
Nagasaki	0	0	0	0	22	47	87	9	78	47	4	13	36	45	
Miyazaki	0	9	0	9	53	20	73	0	47	20	2	9	69	45	
Kagoshima	0	0	0	0	44	29	84	0	60	29	11	22	38	45	
<u>Autumn</u>															
Sakai	0	13	0	11	68	24	50	3	36	24	11	16	49	150	
Hamada	0	8	0	8	50	26	62	5	52	26	9	11	54	151	
Okayama	0	7	0	7	39	43	44	0	63	43	6	7	44	151	
Hiroshima	0	6	0	6	36	44	44	0	66	44	8	11	37	149	
Izuhara	1	5	0	5	40	32	62	6	68	32	14	7	47	151	
Tokushima	-	-	-	-	-	NO DATA				-	-	-	-	-	
Shimonoseki	0	4	0	3	42	48	80	3	64	48	11	11	30	151	
Matsuyama	0	7	0	6	34	44	41	1	69	44	7	7	42	150	
Fukuoka	0	5	0	5	32	45	70	13	71	43	12	7	36	150	
Kochi	0	7	0	7	34	48	25	1	70	47	10	7	36	151	
Oita	0	7	0	7	36	43	47	7	67	43	9	9	39	150	
Shimizu	0	5	0	5	35	46	22	0	65	46	5	4	45	81	
Nagasaki	0	5	0	5	22	49	77	3	81	49	8	8	35	149	
Miyazaki	0	5	0	5	48	32	35	1	57	32	8	10	50	151	
Kagoshima	0	6	0	6	35	42	46	2	66	42	7	12	39	151	

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TABLE 24.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHEASTERLY
FLOW IN THE FREE AIR, REGION 6

Percentage of the observations made at 0600 and 1800 local time of
the meridian of 135° east longitude, at which certain weather con-
ditions have been recorded

										Cloud cover, tenths				No.		
										.0-	.4-	.7-	.9-	of		
										.3	.6	.8	1.0	obs.		
REGION 6										0600 L.S.T.						
<u>Winter</u>																
Sakai	0	21	0	21	57	14	14	21	43	14	0	7	79	14		
Hamada	0	29	0	29	64	14	50	7	36	14	0	7	79	14		
Okayama	0	0	0	0	64	21	21	0	36	21	0	0	79	14		
Hiroshima	7	21	0	21	57	29	29	0	43	29	0	0	71	14		
Izuhara	0	50	0	50	71	14	7	14	29	14	0	0	86	14		
Tokushima	0	7	0	7	64	7	50	0	29	14	0	7	79	14		
Shimonoseki	7	36	0	36	71	21	36	14	36	22	7	7	64	14		
Matsuyama	0	29	0	29	57	36	7	0	43	36	7	0	57	14		
Fukuoka	0	57	0	57	64	21	0	0	36	22	7	0	71	14		
Kochi	0	21	0	21	43	21	43	0	57	22	14	7	57	14		
Oita	0	54	0	54	69	8	31	0	46	8	15	0	77	13		
Shimizu	0	25	0	25	50	25	0	0	50	25	0	0	75	4		
Nagasaki	0	50	0	50	71	21	14	14	29	21	0	0	79	14		
Miyazaki	0	43	0	43	71	14	29	0	29	14	0	0	86	14		
Kagoshima	7	36	0	36	71	21	36	0	29	21	0	0	79	14		
<u>Spring</u>																
Sakai	0	36	0	36	73	0	27	0	36	0	9	0	91	11		
Hamada	0	27	0	27	55	18	36	9	45	18	0	0	82	11		
Okayama	0	27	0	27	45	18	9	0	55	18	0	0	82	11		
Hiroshima	0	27	0	27	45	9	18	0	55	9	0	0	91	11		
Izuhara	0	45	0	45	82	0	55	0	18	0	0	0	100	11		
Tokushima	0	18	0	18	64	18	27	9	36	18	9	0	73	11		
Shimonoseki	0	36	0	36	73	0	9	45	18	0	0	27	73	11		
Matsuyama	0	36	0	36	64	9	9	9	36	9	9	0	82	11		
Fukuoka	9	45	0	45	82	0	27	18	18	0	0	9	91	11		
Kochi	0	27	0	27	55	18	27	0	45	18	0	0	82	11		
Oita	0	27	0	27	64	0	36	0	36	0	0	9	91	11		
Shimizu	0	0	0	0	100	0	0	0	0	0	0	0	100	1		
Nagasaki	0	45	0	45	55	9	18	18	45	9	0	0	91	11		
Miyazaki	0	27	0	27	82	0	45	0	18	0	0	0	100	11		
Kagoshima	0	45	0	45	73	0	36	18	27	0	0	9	91	11		

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										Cloud cover, tenths				No.	
										.0-	.4-	.7-	.9-	of	
										.3	.6	.8	1.0	obs.	
REGION 6										1800 L.S.T.					
Winter															
Sakai	0	13	0	13	56	25	38	0	44	25	6	0	69	16	
Hamada	0	25	0	25	56	13	63	0	44	13	6	0	81	16	
Okayama	0	13	0	13	44	6	25	0	56	6	0	6	88	16	
Hiroshima	0	25	0	25	81	0	6	0	19	0	13	0	87	16	
Izuhara	0	38	0	38	63	6	19	0	38	6	0	0	94	16	
Tokushima	-	-	-	-	-	-NO DATA-				-	-	-	-	-	
Shimonoseki	0	19	0	19	88	13	44	38	19	13	6	0	81	16	
Matsuyama	0	19	0	19	50	0	25	0	50	0	19	0	81	16	
Fukuoka	0	25	0	25	75	6	38	0	25	6	0	0	94	16	
Kochi	0	31	0	31	56	13	19	0	44	13	0	0	87	16	
Oita	0	31	0	31	69	6	0	0	31	6	0	0	94	16	
Shimizu	0	60	0	60	100	0	20	0	0	0	0	0	100	5	
Nagasaki	0	50	0	44	75	13	25	0	25	13	0	12	75	16	
Miyazaki	0	31	0	31	88	6	13	0	13	6	0	0	94	16	
Kagoshima	0	38	0	38	88	6	19	0	13	6	6	7	81	16	
Spring															
Sakai	0	23	0	23	58	13	48	3	42	13	10	0	77	31	
Hamada	0	29	0	29	52	10	42	0	48	10	0	3	87	31	
Okayama	0	26	0	26	52	13	45	3	52	13	3	7	77	31	
Hiroshima	0	26	0	26	61	10	32	0	39	10	3	13	74	31	
Izuhara	0	42	0	42	58	6	42	0	42	7	3	0	90	31	
Tokushima	-	-	-	-	-	-NO DATA-				-	-	-	-	-	
Shimonoseki	0	35	0	35	71	16	39	26	29	16	0	3	81	31	
Matsuyama	0	30	0	30	70	3	30	0	30	3	0	4	93	30	
Fukuoka	0	39	0	39	84	3	45	0	19	3	7	3	87	31	
Kochi	0	35	0	35	65	3	13	0	35	3	0	3	94	31	
Oita	0	42	0	42	65	6	19	0	35	7	0	3	90	31	
Shimizu	0	67	0	67	100	0	3	0	0	0	0	0	100	3	
Nagasaki	0	45	0	45	55	10	29	3	42	10	0	0	90	31	
Miyazaki	0	65	0	65	90	3	26	0	16	3	7	0	90	31	
Kagoshima	0	45	0	45	74	0	29	6	26	0	0	6	94	31	

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TABLE 24.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHEASTERLY FLOW IN THE FREE AIR, REGION 6 (cont.)

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No.
										.0-	.4-	.7-	.9-	of
										.3	.6	.8	1.0	obs.
A	B	C	D	E	F	G	H	I						
REGION 6										0600 L.S.T.				
<u>Summer</u>														
Sakai	0	18	0	18	55	27	18	9	55	27	18	9	46	11
Hamada	0	9	0	9	45	9	91	0	64	9	18	9	64	11
Okayama	0	0	0	0	45	27	18	9	55	27	9	9	55	11
Hiroshima	0	9	0	9	55	27	64	0	45	27	9	0	64	11
Izuhara	0	9	0	9	64	9	36	9	36	9	0	9	82	11
Tokushima	0	27	0	27	64	18	18	0	36	18	9	0	73	11
Shimonoseki	0	9	0	9	64	18	27	45	36	18	9	18	55	11
Matsuyama	0	18	0	18	55	27	9	9	46	27	0	9	64	11
Fukuoka	0	18	0	18	36	36	18	0	64	36	0	0	64	11
Kochi	0	18	0	18	73	18	9	9	36	18	9	9	64	11
Oita	9	18	0	18	73	18	27	0	18	27	0	0	73	11
Shimizu	0	0	0	0	33	67	0	0	67	67	0	0	33	3
Nagasaki	0	9	0	9	46	9	55	9	55	9	9	18	64	11
Miyazaki	0	18	9	18	73	18	36	9	46	18	18	0	64	11
Kagoshima	0	18	0	18	82	9	55	9	18	9	18	0	73	11
<u>Autumn</u>														
Sakai	0	14	0	14	57	0	14	0	43	0	14	0	86	7
Hamada	0	14	0	14	14	0	71	0	86	0	14	0	86	7
Okayama	0	14	0	14	43	14	14	0	57	14	14	29	43	7
Hiroshima	0	14	0	14	71	14	0	0	29	14	0	14	72	7
Izuhara	0	14	0	14	71	0	43	14	29	0	0	0	100	7
Tokushima	14	0	0	0	100	0	43	0	0	0	0	0	100	7
Shimonoseki	0	14	0	14	71	14	71	0	29	14	0	14	72	7
Matsuyama	0	14	0	14	29	14	14	0	71	14	0	14	72	7
Fukuoka	0	14	0	14	43	14	14	0	57	14	14	0	72	7
Kochi	0	14	0	14	57	43	14	0	43	43	0	0	57	7
Oita	0	14	0	14	43	14	43	0	57	14	14	0	72	7
Shimizu	0	20	0	20	40	20	40	0	60	20	0	0	80	5
Nagasaki	0	14	0	14	29	29	29	14	71	29	0	0	71	7
Miyazaki	0	14	0	14	43	14	0	0	57	14	14	0	72	7
Kagoshima	0	29	0	29	43	14	14	0	57	14	0	29	57	7

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	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs.
										.0-.3	.4-.6	.7-.8	.9-1.0	
REGION 6														
Summer														
Sakai	0	7	0	7	49	26	66	3	56	26	10	15	49	68
Hamada	0	12	1	12	50	10	51	0	54	10	16	11	63	68
Okayama	0	12	0	12	37	26	78	6	66	26	15	12	47	68
Hiroshima	0	18	0	16	56	22	41	0	46	22	6	3	69	68
Izuhara	0	16	0	16	49	16	46	6	54	16	9	7	68	68
Tokushima	-	-	-	-	-	NO DATA				-	-	-	-	-
Shimonoseki	0	15	0	15	54	29	37	47	49	29	7	18	46	68
Matsuyama	0	22	0	22	47	16	40	3	57	16	9	3	72	68
Fukuoka	0	18	3	18	58	15	64	1	42	15	3	7	75	67
Kochi	0	22	0	22	76	7	24	0	28	7	3	12	72	67
Oita	0	24	0	24	55	19	57	3	49	19	6	3	72	67
Shimizu	0	30	0	30	74	17	52	4	26	17	0	5	78	23
Nagasaki	0	21	0	21	51	21	56	10	50	21	3	4	72	68
Miyazaki	0	35	0	35	75	6	54	6	26	6	5	7	82	68
Kagoshima	0	25	0	25	69	7	50	6	32	7	6	18	69	68
Autumn														
Sakai	0	14	0	14	67	22	31	3	36	22	8	17	53	36
Hamada	0	19	0	19	58	17	47	0	42	17	0	3	80	36
Okayama	0	28	0	28	58	17	25	0	42	17	3	5	75	36
Hiroshima	0	25	0	25	72	14	6	0	28	14	0	11	75	36
Izuhara	0	25	0	25	64	14	28	6	36	14	3	3	80	36
Tokushima	-	-	-	-	-	NO DATA				-	-	-	-	-
Shimonoseki	0	25	0	22	81	11	39	31	19	11	8	14	67	36
Matsuyama	0	14	0	14	58	17	14	0	42	17	0	5	78	36
Fukuoka	0	17	0	17	67	17	28	0	33	17	3	5	75	36
Kochi	0	28	0	28	78	8	17	0	25	8	6	3	83	36
Oita	0	33	0	31	67	8	11	0	33	8	8	3	81	36
Shimizu	0	33	0	33	67	7	20	0	33	7	0	13	80	15
Nagasaki	0	31	0	31	64	14	50	3	36	14	0	8	78	36
Miyazaki	0	47	0	47	81	8	31	3	17	8	3	3	86	36
Kagoshima	0	39	3	39	61	11	42	6	42	11	14	6	69	36

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TABLE 25.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHWESTERLY FLOW IN THE FREE AIR, REGION 6

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No.	
										.0-	.4-	.7-	.9-	of	
										.3	.6	.8	1.0	obs.	
REGION 6										0600 L.S.T.					
Winter															
Sakai	0	0	0	0	57	29	14	0	43	29	0	14	57	14	
Hamada	0	7	0	7	64	29	79	7	36	29	0	7	64	14	
Okayama	0	0	0	0	29	57	7	0	71	57	0	14	29	14	
Hiroshima	0	0	0	0	36	50	29	0	64	50	7	0	43	14	
Izuhara	0	0	0	0	57	36	21	0	50	36	7	0	57	14	
Tokushima	7	0	0	0	21	79	57	7	79	79	0	0	21	14	
Shimonoseki	0	7	0	7	79	21	64	21	36	22	14	7	57	14	
Matsuyama	0	8	0	8	39	31	31	0	62	31	0	8	61	13	
Fukuoka	0	7	0	7	57	36	64	0	43	36	0	7	57	14	
Kochi	0	0	0	0	7	79	57	0	93	79	0	0	21	14	
Oita	0	14	0	14	36	36	64	0	64	36	14	0	50	14	
Shimizu	0	33	0	33	67	33	67	0	33	33	0	0	67	3	
Nagasaki	0	14	0	14	43	29	36	14	64	29	14	14	43	14	
Miyazaki	0	14	0	14	43	43	36	0	57	43	0	0	57	14	
Kagoshima	0	0	0	0	57	43	57	7	43	43	0	7	50	14	
Spring															
Sakai	5	9	0	9	46	30	17	2	55	31	3	11	55	121	
Hamada	0	9	0	9	31	36	70	5	69	35	6	4	55	121	
Okayama	1	10	0	10	26	40	16	0	74	40	5	3	52	121	
Hiroshima	0	9	0	9	36	37	33	0	69	37	10	7	46	121	
Izuhara	0	10	0	10	44	24	32	7	60	24	7	5	64	121	
Tokushima	2	13	0	13	37	32	41	2	63	33	7	2	58	121	
Shimonoseki	5	7	0	7	54	32	54	25	47	34	6	9	51	121	
Matsuyama	1	12	0	12	33	33	16	0	65	34	4	5	57	121	
Fukuoka	1	10	0	10	36	35	30	0	65	35	8	6	51	121	
Kochi	0	13	0	13	28	37	54	0	71	37	4	3	56	121	
Oita	0	16	0	15	30	38	53	2	71	38	4	2	56	121	
Shimizu	0	19	0	19	42	29	23	3	58	29	0	3	68	31	
Nagasaki	0	11	0	11	29	34	49	5	74	34	6	5	55	121	
Miyazaki	2	17	0	16	50	33	33	1	49	26	2	5	67	120	
Kagoshima	0	12	0	12	40	26	45	0	61	26	8	9	57	121	

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										Cloud cover, tenths				No.	
										.0-	.4-	.7-	.9-	of	
										.3	.6	.8	1.0	obs.	
REGION 6										1800 L.S.T.					
Winter															
Sakai	0	27	0	27	87	7	13	7	13	7	0	7	86	15	
Hamada	0	47	0	47	87	7	13	20	13	7	7	0	86	15	
Okayama	0	27	0	27	60	7	13	0	40	7	7	13	73	15	
Hiroshima	0	33	0	33	93	0	7	0	7	0	0	0	100	15	
Izuhara	0	40	0	40	87	0	7	20	20	0	13	0	87	15	
Tokushima	-	-	-	-	-	NO DATA				-	-	-	-	-	
Shimonoseki	0	40	0	40	87	7	40	13	7	7	0	0	93	15	
Matsuyama	0	33	0	33	80	7	27	0	27	7	7	0	86	15	
Fukuoka	0	33	0	33	87	0	53	0	13	0	7	7	86	15	
Kochi	0	40	0	40	60	27	0	0	40	27	0	7	66	15	
Oita	0	33	0	33	73	7	13	0	33	7	7	13	73	15	
Shimizu	0	0	0	0	0	100	0	0	100	100	0	0	0	2	
Nagasaki	7	20	0	20	87	0	40	27	13	0	7	7	86	15	
Miyazaki	0	40	0	40	67	20	27	0	33	20	7	7	66	15	
Kagoshima	0	33	0	33	67	13	27	0	33	13	0	14	73	15	
Spring															
Sakai	0	18	0	18	45	23	43	11	55	23	5	13	59	56	
Hamada	0	7	2	7	42	16	38	31	60	16	9	4	71	55	
Okayama	0	7	0	7	34	23	75	0	68	23	7	13	57	56	
Hiroshima	0	16	0	15	42	25	44	0	58	25	4	7	64	55	
Izuhara	0	23	0	23	54	16	41	27	46	16	4	3	77	56	
Tokushima	-	-	-	-	-	NO DATA				-	-	-	-	-	
Shimonoseki	0	11	0	11	56	20	49	29	44	20	16	15	49	55	
Matsuyama	0	9	0	9	46	20	48	2	55	20	5	2	73	56	
Fukuoka	0	13	0	13	45	24	62	7	55	24	5	7	64	55	
Kochi	0	13	0	13	54	13	15	0	52	13	8	12	67	52	
Oita	0	7	0	7	33	29	53	11	67	29	4	4	63	55	
Shimizu	0	22	0	22	56	11	67	0	44	11	11	0	78	9	
Nagasaki	0	15	0	15	38	15	55	22	64	15	11	5	69	55	
Miyazaki	0	7	4	7	45	30	64	13	59	30	7	0	63	56	
Kagoshima	0	11	0	11	44	24	58	0	58	24	7	2	67	55	

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TABLE 25.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHWESTERLY FLOW IN THE FREE AIR, REGION 6 (cont.)

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs.
										.0-.3	.4-.6	.7-.8	.9-1.0	
REGION 6.														
0600 L.S.T.														
<u>Summer</u>														
Sakai	0	13	0	13	50	32	16	0	52	32	8	12	48	183
Hamada	0	12	1	12	38	30	54	5	62	30	5	5	60	182
Okayama	2	9	1	9	51	26	13	2	51	26	8	11	55	184
Hiroshima	1	13	1	13	56	26	17	0	47	26	10	7	57	181
Izuhara	1	15	0	15	55	20	25	3	46	19	3	5	73	184
Tokushima	3	13	0	13	45	24	24	3	54	24	5	12	59	182
Shimonoseki	1	11	1	11	62	25	43	19	41	25	11	14	50	183
Matsuyama	1	87	0	87	44	28	19	0	58	28	9	4	59	184
Fukuoka	1	15	0	15	44	26	30	1	54	26	5	9	60	183
Kochi	3	12	0	12	37	28	13	0	63	29	7	10	54	183
Oita	6	16	0	16	50	26	21	1	50	27	7	7	59	183
Shimizu	0	16	0	16	61	16	29	3	40	16	7	8	69	62
Nagasaki	1	12	0	12	49	24	36	10	54	24	7	5	64	183
Miyazaki	1	15	1	15	51	24	24	1	50	24	5	9	62	183
Kagoshima	1	13	1	13	52	24	31	2	50	24	7	10	59	181
<u>Autumn</u>														
Sakai	8	7	0	7	49	32	10	0	50	33	5	13	49	72
Hamada	0	6	0	6	34	38	86	1	69	38	8	10	44	71
Okayama	3	10	0	10	36	45	4	0	66	45	7	5	43	73
Hiroshima	0	6	0	6	39	43	50	0	65	43	10	5	42	72
Izuhara	0	10	1	10	37	22	34	0	60	26	11	10	53	73
Tokushima	1	14	0	12	48	37	52	1	51	40	7	3	50	73
Shimonoseki	3	11	0	11	51	32	59	10	52	37	18	9	36	73
Matsuyama	0	8	0	8	34	43	30	0	66	44	8	7	41	73
Fukuoka	0	8	1	8	34	37	30	0	66	37	9	7	47	73
Kochi	0	12	0	12	32	47	62	0	67	47	9	7	37	73
Oita	0	10	0	10	42	36	41	0	60	36	5	7	52	73
Shimizu	0	21	0	21	40	44	12	0	60	44	2	8	46	48
Nagasaki	0	7	1	7	29	40	47	7	73	40	5	4	51	73
Miyazaki	0	15	0	15	53	36	36	0	49	36	4	7	53	72
Kagoshima	0	11	0	11	49	33	55	3	56	33	12	1	54	73

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										Cloud cover, tenths				No.	
										.0-	.4-	.7-	.9-	of	
										.3	.6	.8	1.0	obs.	
REGION 6										1800 L.S.T.					
<u>Summer</u>															
Sakai	0	17	0	17	61	16	52	2	40	16	7	10	67	131	
Hamada	0	15	0	14	50	18	49	15	50	17	6	5	72	131	
Okayama	0	15	1	15	41	19	73	5	61	19	8	13	60	131	
Hiroshima	0	23	0	23	56	16	44	0	45	16	8	5	71	130	
Izuhara	0	25	0	25	59	13	50	10	44	13	5	7	75	131	
Tokushima	-	-	-	-	-	-	NO DATA			-	-	-	-	-	
Shimonoseki	1	16	1	15	67	17	66	15	36	17	10	17	56	131	
Matsuyama	0	15	1	15	37	14	46	2	65	14	10	9	67	131	
Fukuoka	0	21	1	20	56	13	59	5	45	14	5	12	69	130	
Kochi	0	19	2	18	67	9	20	0	38	9	7	10	74	128	
Oita	0	17	1	17	54	18	44	3	50	18	9	6	67	131	
Shimizu	0	14	0	14	59	3	41	3	41	4	10	17	69	29	
Nagasaki	1	17	1	17	52	18	60	23	51	17	7	5	71	130	
Miyazaki	0	12	2	12	45	15	72	6	57	15	6	13	66	130	
Kagoshima	0	12	2	12	57	15	64	0	46	15	7	18	60	130	
<u>Autumn</u>															
Sakai	0	23	0	23	54	15	38	0	54	15	15	8	62	13	
Hamada	0	8	0	8	62	15	31	8	38	15	8	0	77	13	
Okayama	0	15	0	15	46	31	38	0	54	31	15	0	54	13	
Hiroshima	0	15	0	15	69	15	8	0	31	15	0	16	69	13	
Izuhara	0	23	0	23	69	8	46	23	31	8	0	8	84	13	
Tokushima	-	-	-	-	-	-	NO DATA			-	-	-	-	-	
Shimonoseki	0	31	0	31	77	23	38	23	23	23	0	0	77	13	
Matsuyama	0	15	0	15	46	15	31	0	54	15	8	15	62	13	
Fukuoka	0	15	8	15	77	23	77	0	23	23	0	0	77	13	
Kochi	0	15	0	15	85	8	8	0	15	8	0	7	85	13	
Oita	0	8	0	8	46	23	46	0	54	23	0	0	77	13	
Shimizu	0	13	0	13	50	15	10	0	50	25	25	13	37	8	
Nagasaki	0	38	0	38	62	13	15	31	46	8	8	7	77	13	
Miyazaki	0	15	0	15	38	15	62	0	54	23	8	8	61	13	
Kagoshima	0	23	0	15	62	15	31	0	46	15	8	8	69	13	

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TABLE 26.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHWESTERLY FLOW IN THE FREE AIR, REGION 6

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs.
										.0-.3	.4-.6	.7-.8	.9-1.0	
REGION 6														
										0600 L.S.T.				
Winter														
Sakai	0	31	0	29	80	13	16	4	24	13	5	18	64	45
Hamada	0	9	0	9	80	13	53	31	22	13	7	9	71	45
Okayama	0	2	0	2	27	53	22	0	76	53	9	2	36	45
Hiroshima	0	13	0	11	64	31	29	0	40	31	4	9	56	45
Izuhara	0	4	0	4	42	47	53	20	58	47	2	4	47	45
Tokushima	0	2	0	2	36	52	50	9	64	55	2	2	41	44
Shimonoseki	0	16	0	16	78	20	38	38	29	20	9	11	60	45
Matsuyama	0	9	0	9	51	31	42	4	56	31	11	2	56	45
Fukuoka	0	16	0	16	78	20	62	9	31	20	11	2	67	45
Kochi	0	4	0	4	22	53	51	0	78	53	0	14	33	45
Oita	0	11	0	11	33	53	67	2	67	54	2	2	42	45
Shimizu	0	13	0	13	47	53	27	0	53	53	0	7	40	15
Nagasaki	0	16	0	16	62	33	38	13	38	33	2	5	60	45
Miyazaki	0	7	0	7	24	67	67	0	76	67	2	0	31	45
Kagoshima	0	13	0	7	51	36	58	2	49	38	11	9	42	45
Spring														
Sakai	2	12	0	12	51	28	15	2	49	29	12	17	42	65
Hamada	0	9	2	9	42	31	58	20	62	31	5	12	52	65
Okayama	2	5	0	3	31	40	11	0	71	40	6	3	51	65
Hiroshima	0	6	0	6	31	45	38	0	69	45	3	12	40	65
Izuhara	0	2	0	2	22	38	55	9	80	38	8	3	51	65
Tokushima	5	8	0	8	29	42	54	3	69	41	3	8	48	65
Shimonoseki	0	3	0	3	54	28	54	20	55	28	21	11	40	65
Matsuyama	0	2	2	2	35	23	31	3	66	23	2	18	57	65
Fukuoka	2	2	0	2	31	31	56	3	69	31	8	5	56	64
Kochi	0	5	0	5	25	35	42	0	78	35	11	6	48	65
Oita	0	3	0	3	18	32	57	3	82	32	6	3	59	65
Shimizu	0	8	0	8	17	42	17	0	83	42	0	16	42	12
Nagasaki	0	5	0	5	31	25	43	8	71	25	4	11	60	65
Miyazaki	0	8	0	8	38	29	45	6	60	29	5	9	57	65
Kagoshima	0	6	0	6	33	31	50	2	67	33	6	9	52	64

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										Cloud cover, tenths				No.	
										.0-	.4-	.7-	.9-	of	
										.3	.6	.8	1.0	obs.	
REGION 6										1800 L.S.T.					
<u>Winter</u>															
Sakai	0	51	0	51	97	3	19	19	8	3	5	8	85	75	
Hamada	0	27	0	27	96	4	30	42	12	4	9	7	80	74	
Okayama	0	5	0	5	35	61	69	11	72	61	9	3	27	75	
Hiroshima	0	15	0	11	51	45	39	1	51	48	4	11	37	75	
Izuhara	0	7	0	7	45	43	64	15	57	43	5	7	45	75	
Tokushima	-	-	-	-	-	-	NO DATA			-	-	-	-	-	
Shimonoseki	0	12	0	11	89	11	32	56	21	11	15	9	65	75	
Matsuyama	0	12	0	12	68	28	56	19	45	29	21	10	40	75	
Fukuoka	0	21	0	21	80	13	45	15	21	15	4	15	66	75	
Kochi	0	5	0	5	23	69	56	1	81	69	8	2	21	75	
Oita	0	9	0	9	48	47	59	25	60	46	12	7	35	75	
Shimizu	0	8	0	8	16	68	56	0	88	68	4	4	24	25	
Nagasaki	0	19	0	17	75	20	44	33	25	20	1	4	75	75	
Miyazaki	0	3	0	1	20	64	64	21	80	64	2	5	29	75	
Kagoshima	0	12	0	7	55	36	57	11	49	36	7	9	48	75	
<u>Spring</u>															
Sakai	0	33	0	33	69	24	43	7	31	26	7	7	60	42	
Hamada	0	10	0	10	67	24	38	43	36	24	5	9	62	42	
Okayama	0	5	0	5	45	36	83	10	64	36	16	12	36	42	
Hiroshima	0	10	0	10	45	36	67	2	57	36	7	12	45	42	
Izuhara	0	7	0	7	19	60	45	29	81	59	5	0	36	42	
Tokushima	-	-	-	-	-	-	NO DATA			-	-	-	-	-	
Shimonoseki	0	7	0	7	55	38	50	43	52	38	17	14	31	42	
Matsuyama	0	2	2	2	48	38	67	12	52	38	7	5	50	42	
Fukuoka	0	7	0	7	33	50	76	14	71	50	5	9	36	42	
Kochi	0	7	0	7	26	60	60	0	79	60	12	0	28	42	
Oita	0	2	0	2	27	57	66	24	80	59	12	7	22	41	
Shimizu	0	0	0	0	8	83	75	8	92	83	0	0	17	12	
Nagasaki	0	5	0	5	40	40	40	52	62	41	12	14	33	42	
Miyazaki	0	0	0	0	14	62	62	36	88	62	17	9	12	42	
Kagoshima	0	2	0	0	33	45	86	10	74	45	12	19	24	42	

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TABLE 26.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHWESTERLY FLOW IN THE FREE AIR, REGION 6 (cont.)

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

											Cloud cover, tenths				No.	
											.0-	.4-	.7-	.9-	of	
											.3	.6	.8	1.0	obs.	
REGION 6											0600 L.S.T.					
<u>Summer</u>																
Sakai	0	5	0	5	55	27	14	5	45	27	5	23	45	22		
Hamada	0	14	0	14	50	23	45	27	50	23	14	4	59	22		
Okayama	0	18	0	18	32	27	5	0	68	27	18	14	41	22		
Hiroshima	0	5	0	5	41	23	23	0	59	23	4	9	64	22		
Izuhara	0	9	0	9	45	23	41	18	59	23	9	4	64	22		
Tokushima	5	24	5	19	43	33	5	0	52	38	5	9	48	21		
Shimonoseki	0	14	5	14	68	18	59	14	41	18	23	14	45	22		
Matsuyama	0	18	0	18	36	36	1	0	64	36	0	5	59	22		
Fukuoka	0	9	5	9	45	27	45	0	55	27	0	5	68	22		
Kochi	0	23	0	23	32	23	14	0	68	23	9	9	59	22		
Oita	5	14	0	9	27	27	32	0	68	32	0	9	59	22		
Shimizu	0	0	0	0	0	50	0	0	100	50	0	0	50	2		
Nagesaki	0	27	5	27	59	14	32	14	45	14	9	9	68	22		
Miyazaki	0	5	0	5	32	27	41	0	68	27	0	18	55	22		
Kagoshima	0	14	0	14	41	32	9	0	59	32	9	0	59	22		
<u>Autumn</u>																
Sakai	2	20	0	20	75	19	24	3	29	20	14	10	56	59		
Hamada	0	19	0	19	76	14	58	19	29	13	9	10	68	59		
Okayama	2	7	0	7	36	46	9	0	66	46	3	10	41	59		
Hiroshima	0	7	0	7	59	32	29	0	49	32	12	8	48	59		
Izuhara	0	3	0	3	37	34	56	10	68	34	10	8	48	59		
Tokushima	0	5	0	5	56	34	63	3	46	34	5	5	56	59		
Shimonoseki	0	19	0	19	81	17	46	25	24	17	9	13	61	59		
Matsuyama	0	8	0	8	64	20	46	2	41	20	14	10	56	59		
Fukuoka	0	10	0	10	59	28	53	9	43	28	10	7	55	58		
Kochi	0	7	0	5	27	39	39	0	75	41	10	7	42	59		
Oita	0	5	0	5	42	32	63	3	59	32	3	13	53	59		
Shimizu	0	3	0	3	35	50	26	0	65	50	3	12	35	34		
Nagasaki	0	14	0	12	49	31	41	14	51	31	3	10	56	59		
Miyazaki	0	7	0	7	34	42	53	2	66	42	7	3	48	59		
Kagoshima	0	8	0	7	41	37	53	2	58	39	3	7	51	59		

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	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs.
										.0-.3	.4-.6	.7-.8	.9-1.0	
REGION 6														
										1800 L.S.T.				
<u>Summer</u>														
Sakai	0	13	0	13	56	31	69	6	44	31	0	19	50	16
Hamada	0	0	0	0	31	44	69	25	69	44	12	0	44	16
Okayama	0	6	0	6	50	31	81	6	56	31	19	0	50	16
Hiroshima	0	0	0	0	63	31	50	0	44	31	6	7	56	16
Izuhara	0	0	0	0	19	38	69	0	81	38	6	0	56	16
Tokushima	-	-	-	-	-	-	NO DATA		-	-	-	-	-	-
Shimonoseki	0	0	0	0	25	44	69	31	81	44	25	19	12	16
Matsuyama	0	0	0	0	38	38	75	6	63	38	0	12	50	16
Fukuoka	0	13	0	13	31	38	88	0	69	38	19	12	31	16
Kochi	0	13	0	6	31	44	25	0	75	44	19	6	31	16
Oita	0	0	0	0	56	25	38	6	56	25	13	6	56	16
Shimizu	-	-	-	-	NO DATA		-	-	-	36	18	0	46	11
Nagasaki	0	6	0	6	19	56	81	6	81	56	0	6	38	16
Miyazaki	0	6	0	6	25	38	69	13	75	37	0	0	63	16
Kagoshima	0	13	0	13	25	25	69	6	75	25	19	12	44	16
<u>Autumn</u>														
Sakai	0	27	0	23	77	20	48	0	30	20	7	14	59	44
Hamada	0	11	0	11	73	18	47	33	33	18	15	9	58	45
Okayama	0	2	0	2	38	53	69	0	67	53	11	14	22	45
Hiroshima	0	4	0	2	42	53	44	0	69	53	13	5	29	45
Izuhara	0	2	0	2	42	29	44	16	49	40	9	15	36	45
Tokushima	-	-	-	-	-	-	NO DATA		-	-	-	-	-	-
Shimonoseki	0	7	0	7	78	22	49	44	36	22	18	18	42	45
Matsuyama	0	7	0	4	60	29	73	9	51	31	24	18	27	45
Fukuoka	0	11	0	11	64	29	58	2	40	29	9	4	58	45
Kochi	0	4	0	4	18	67	47	0	89	67	13	4	16	45
Oita	0	7	0	7	33	58	67	9	69	58	11	7	24	45
Shimizu	0	0	0	0	19	71	32	0	84	71	13	3	13	31
Nagasaki	0	9	0	9	64	29	67	18	40	29	9	11	51	45
Miyazaki	0	7	0	7	9	69	76	9	91	69	7	6	18	45
Kagoshima	0	7	0	7	34	59	52	2	68	59	7	11	23	44

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~~CONFIDENTIAL~~TABLE 27.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH RIDGES
AND CENTERS OF HIGH PRESSURE, REGION 6

Percentage of the observations made at 0600 and 1800 local time
of the meridian of 135° east longitude, at which certain weather
conditions have been recorded

	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs.
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 6														
0600 L.S.T.														
<u>Winter</u>														
Sakai	0	18	0	18	78	18	30	4	24	18	4	7	71	80
Hamada	0	11	0	10	63	30	71	13	38	30	4	9	57	79
Okayama	1	5	0	5	34	46	10	0	68	46	4	10	40	80
Hiroshima	0	9	0	8	51	43	28	0	51	42	4	9	45	80
Izuhara	0	5	0	5	29	48	50	1	74	48	6	6	40	80
Tokushima	0	4	0	4	49	33	75	3	54	32	9	10	49	80
Shimonoseki	0	4	0	4	58	41	65	18	46	41	11	4	44	80
Matsuyama	0	5	0	5	34	44	33	0	73	44	6	6	44	80
Fukuoka	0	4	0	4	61	33	55	1	39	32	8	6	54	80
Kochi	0	5	0	5	18	66	50	1	86	66	5	3	26	80
Oita	0	5	0	5	39	40	58	5	63	40	6	5	49	80
Shimizu	0	11	0	7	25	57	21	0	75	61	4	3	32	28
Nagasaki	0	8	0	8	35	45	45	4	65	46	5	1	48	80
Miyazaki	1	10	0	10	39	52	47	0	60	53	1	4	42	79
Kagoshima	0	10	0	9	45	46	60	0	56	46	6	3	45	78
<u>Spring</u>														
Sakai	4	21	0	21	70	14	36	4	31	14	2	10	74	80
Hamada	0	19	0	19	51	21	63	5	51	21	5	6	68	78
Okayama	1	11	0	10	44	38	19	0	63	38	10	5	47	80
Hiroshima	0	13	0	13	47	43	30	0	54	43	5	1	51	79
Izuhara	0	20	0	20	44	26	35	3	59	26	9	6	59	80
Tokushima	4	15	0	15	53	22	52	9	46	23	5	5	67	79
Shimonoseki	0	18	0	18	56	37	48	16	51	37	5	6	52	79
Matsuyama	1	15	0	15	36	39	24	0	64	39	1	8	52	80
Fukuoka	0	19	0	19	44	38	32	4	56	38	4	8	50	78
Kochi	0	16	0	16	32	39	41	1	68	39	3	5	53	79
Oita	3	19	0	19	39	35	52	4	58	37	2	3	58	79
Shimizu	0	8	0	8	15	62	30	0	85	62	23	0	15	13
Nagasaki	0	16	0	16	34	38	42	11	66	38	5	1	56	79
Miyazaki	0	18	0	16	46	33	44	3	53	33	1	4	62	80
Kagoshima	1	15	1	15	44	32	40	3	54	32	1	11	56	79

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REGION 6											Cloud cover, tenths				No. of obs.
											.0-	.4-	.7-	.9-	
	A	B	C	D	E	F	G	H	I	.3	.6	.8	1.0		
	1800 L.S.T.														
<u>Winter</u>															
Sakai	0	7	0	7	63	29	24	2	44	29	10	15	46	59	
Hamada	0	10	0	10	59	29	63	10	49	29	17	12	42	59	
Okayama	0	2	0	2	22	64	44	0	80	64	3	9	24	59	
Hiroshima	0	0	0	0	40	50	24	0	62	52	5	9	34	58	
Izuhara	0	5	0	3	32	39	29	5	71	39	5	10	46	59	
Tokushima	-	-	-	-	-	-	NO DATA			-	-	-	-	-	
Shimonoseki	0	5	0	5	41	54	75	10	61	54	7	7	32	59	
Matsuyama	0	3	0	3	25	61	31	2	75	61	5	7	27	59	
Fukuoka	0	5	0	5	41	41	46	2	61	42	12	9	37	59	
Kochi	0	3	0	3	10	75	25	0	93	74	7	2	17	59	
Oita	0	2	0	2	19	66	41	0	83	66	3	5	26	59	
Shimizu	0	0	0	0	22	72	22	0	83	72	11	0	17	18	
Nagasaki	0	3	0	3	36	41	67	3	66	41	4	7	48	58	
Miyazaki	0	0	0	0	34	58	42	0	68	58	3	2	37	59	
Kagoshima	0	0	0	0	29	56	44	0	71	56	2	5	37	59	
<u>Spring</u>															
Sakai	0	0	0	0	19	57	63	4	84	57	15	8	20	74	
Hamada	0	3	0	1	14	54	58	8	85	54	11	4	31	74	
Okayama	0	3	0	1	19	50	84	0	86	50	8	11	31	74	
Hiroshima	0	0	0	0	16	53	46	0	85	54	5	11	30	74	
Izuhara	0	0	0	0	10	52	51	3	92	52	5	3	40	73	
Tokushima	-	-	-	-	-	-	NO DATA			-	-	-	-	-	
Shimonoseki	0	3	0	3	20	49	72	16	81	49	12	11	28	74	
Matsuyama	0	3	0	3	15	51	41	0	85	53	4	9	34	74	
Fukuoka	0	3	0	3	8	45	81	1	91	46	3	5	46	74	
Kochi	0	4	1	4	27	45	21	0	74	48	8	3	41	73	
Oita	0	3	0	3	15	50	41	3	85	50	8	4	38	74	
Shimizu	0	14	0	14	19	38	57	0	81	38	19	5	38	21	
Nagasaki	0	4	0	4	12	41	78	4	86	40	3	7	50	74	
Miyazaki	0	11	0	11	27	36	72	3	74	37	4	1	58	74	
Kagoshima	0	8	0	8	20	34	70	5	81	34	7	9	50	74	

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TABLE 27.---SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH RIDGES
AND CENTERS OF HIGH PRESSURE, REGION 6 (cont.)

Percentage of the observations made at 0600 and 1800 local time of
the meridian of 135° east longitude, at which certain weather con-
ditions have been recorded

											Cloud cover, tenths				No.
	A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0	of obs.	
REGION 6	0600 L.S.T.														
<u>Summer</u>															
Sakai	0	15	0	15	63	21	19	4	41	22	11	11	56	80	
Hamada	0	15	0	15	44	24	60	8	56	24	6	3	67	80	
Okayama	2	16	0	15	44	27	16	1	57	27	6	5	62	81	
Hiroshima	1	14	0	14	61	23	19	0	44	23	13	6	58	80	
Izuohara	0	20	1	20	61	14	27	7	40	14	2	4	80	81	
Tokushima	6	19	0	19	54	21	33	1	43	21	2	4	73	81	
Shimonoseki	0	15	0	14	70	22	52	16	40	22	13	11	54	81	
Matsuyama	1	12	1	12	51	23	9	1	49	29	1	5	65	81	
Fukuoka	0	14	0	14	51	30	25	1	49	30	4	6	60	81	
Kochi	8	11	0	11	44	24	28	0	53	25	10	4	61	79	
Oita	0	18	0	18	46	24	26	0	55	24	7	4	65	80	
Shimizu	0	20	0	20	47	33	27	0	53	33	7	7	53	15	
Nagasaki	0	10	0	10	43	25	44	11	58	25	5	7	63	81	
Miyazaki	1	15	0	15	52	27	32	1	47	28	1	9	62	81	
Kagoshima	1	17	1	16	57	21	25	1	46	21	10	10	59	81	
<u>Autumn</u>															
Sakai	2	17	0	16	78	16	22	4	24	16	9	20	55	118	
Hamada	0	12	0	12	53	28	75	4	51	28	8	12	52	118	
Okayama	0	12	0	12	43	31	8	0	58	30	14	6	50	118	
Hiroshima	1	10	0	10	49	35	46	0	55	35	11	8	46	119	
Izuohara	0	16	1	16	46	39	51	3	57	39	7	2	52	119	
Tokushima	1	11	0	11	59	25	58	3	43	26	6	4	64	119	
Shimonoseki	0	12	0	12	61	32	57	7	45	33	10	8	49	119	
Matsuyama	0	12	0	12	48	33	22	0	55	33	8	8	51	119	
Fukuoka	1	14	0	14	56	28	21	1	47	29	9	6	56	117	
Kochi	2	15	0	15	37	38	56	0	62	39	7	6	48	117	
Oita	0	15	0	15	55	32	49	0	48	32	4	9	55	119	
Shimizu	0	22	0	22	59	29	28	2	43	30	5	5	60	58	
Nagasaki	0	13	1	13	34	41	46	7	66	41	5	5	49	119	
Miyazaki	0	16	0	16	45	36	39	1	55	36	2	15	47	119	
Kagoshima	0	12	0	12	46	33	56	3	55	34	12	9	45	119	

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	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs.
										.0-.3	.4-.6	.7-.8	.9-1.0	
REGION 6														
										1800 L.S.T.				
<u>Summer</u>														
Sakai	0	0	0	0	36	40	79	0	70	41	11	17	30	47
Hamada	0	8	0	6	33	37	65	4	69	37	17	8	38	48
Okayama	0	0	0	0	31	40	90	0	71	40	8	17	35	48
Hiroshima	0	10	0	10	21	56	62	0	81	56	4	9	31	48
Izuhara	0	6	0	6	21	32	43	0	79	32	9	6	53	47
Tokushima	-	-	-	-	NO DATA				-	-	-	-	-	-
Shimonoseki	0	4	0	4	30	45	66	28	74	44	17	11	28	47
Matsuyama	0	4	0	4	27	31	65	0	77	31	27	4	38	48
Fukuoka	0	8	0	8	50	23	79	0	56	23	13	8	56	48
Kochi	0	4	0	4	52	23	15	0	60	25	21	17	37	48
Oita	0	9	2	9	32	49	55	2	72	49	13	4	34	47
Shimizu	0	9	0	9	27	55	73	0	82	55	9	18	18	11
Nagasaki	0	6	0	6	17	37	85	2	83	37	8	11	44	48
Miyazaki	0	10	2	8	40	35	85	0	60	36	2	6	56	48
Kagoshima	0	8	0	6	46	29	69	2	62	29	19	8	44	48
<u>Autumn</u>														
Sakai	0	2	0	2	40	40	15	0	63	40	17	6	37	52
Hamada	0	0	0	0	38	42	50	8	63	42	6	4	48	52
Okayama	0	2	0	2	23	54	23	0	77	54	8	7	31	52
Hiroshima	0	2	0	2	35	46	12	0	67	46	6	4	44	52
Izuhara	0	4	0	4	15	42	33	0	88	42	8	2	48	52
Tokushima	-	-	-	-	NO DATA				-	-	-	-	-	-
Shimonoseki	0	0	0	0	46	44	73	8	58	44	10	11	35	52
Matsuyama	0	4	0	4	23	52	38	0	79	52	8	2	38	52
Fukuoka	0	4	0	4	39	39	37	0	57	39	8	6	47	51
Kochi	0	8	0	8	27	41	10	0	76	41	8	8	43	51
Oita	0	8	0	8	33	50	27	0	69	40	4	2	44	52
Shimizu	0	14	0	14	13	12	9	0	29	32	4	0	64	22
Nagasaki	0	6	0	6	25	42	48	0	75	42	6	8	44	52
Miyazaki	0	12	0	12	44	35	15	0	58	35	2	6	57	52
Kagoshima	0	21	0	21	33	44	33	0	65	44	6	6	44	52

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TABLE 28.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHERLY
FLOW IN THE FREE AIR, REGIONS 7 AND 8

Percentage of the observations made at 0600 and 1800 local time of
the meridian of 135° east longitude, at which certain weather con-
ditions have been recorded.

										Cloud cover, tenths				No. of obs.
										.0-	.4-	.7-	.9-	
										.3	.6	.8	1.0	
A	B	C	D	E	F	G	H	I						
REGION 7										0600 L.S.T.				
<u>Winter</u>														
Koryo	0	11	0	11	26	60	66	16	75	61	3	6	30	96
Jinsen	3	10	0	10	30	55	70	13	70	55	3	1	41	115
Fusan	0	13	0	13	30	50	44	22	70	51	5	4	40	114
Moppo	3	23	0	23	54	27	42	17	50	26	7	2	65	115
Saishu	0	20	0	20	79	17	43	33	21	17	1	3	79	115
<u>Spring</u>														
Koryo	0	13	0	13	39	43	43	9	61	43	5	9	43	23
Jinsen	0	6	0	6	41	38	63	16	59	38	0	3	59	32
Fusan	0	3	0	3	34	31	50	28	69	31	3	0	66	32
Moppo	3	13	0	13	47	31	50	16	53	31	0	3	66	32
Saishu	0	19	0	19	53	38	59	19	47	38	0	3	59	32
<u>Summer</u>														
Koryo	0	11	0	11	67	11	11	0	33	11	0	0	89	9
Jinsen	0	18	0	18	36	18	64	0	64	18	0	0	82	11
Fusan	0	18	0	18	73	9	64	9	36	9	9	0	82	11
Moppo	0	9	0	9	64	18	27	18	45	18	9	0	73	11
Saishu	0	27	0	27	45	0	36	18	55	0	9	18	73	11
<u>Autumn</u>														
Koryo	0	10	0	10	23	68	61	16	77	68	3	3	26	31
Jinsen	0	0	0	0	23	66	86	11	86	66	8	6	20	35
Fusan	0	6	0	6	34	60	60	9	71	60	6	6	28	35
Moppo	0	9	0	9	29	51	34	9	74	51	9	6	34	35
Saishu	0	6	0	6	54	43	74	17	51	43	8	3	46	35
REGION 8														
<u>Winter</u>														
Joshin	0	17	0	17	45	52	70	5	57	52	2	3	43	60
Genzan	0	17	0	17	40	55	43	3	62	55	2	5	38	60
<u>Spring</u>														
Joshin	0	4	0	4	37	41	30	7	67	41	4	0	55	27
Genzan	4	21	0	21	39	32	36	0	57	32	0	14	54	28
<u>Summer</u>														
Joshin	20	20	0	20	40	20	60	0	60	20	0	40	40	5
Genzan	0	40	0	40	60	20	20	0	40	20	0	0	80	5
<u>Autumn</u>														
Joshin	0	0	0	0	25	68	57	4	79	68	14	4	14	28
Genzan	0	3	3	3	21	69	59	0	79	69	3	0	28	29

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										Cloud cover, tenths				No. of obs.
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 7										1800 L.S.T.				
<u>Winter</u>														
Koryo	0	5	0	5	24	64	52	20	77	64	2	5	29	132
Jinsen	1	5	0	5	24	68	47	42	77	68	4	4	24	131
Fusan	0	4	0	4	21	61	66	10	80	61	2	3	34	131
Moppo	0	18	0	18	57	27	22	60	46	27	5	6	62	129
Saishu	0	18	0	18	86	8	26	53	17	8	5	6	81	129
<u>Spring</u>														
Koryo	0	24	0	24	64	24	28	8	36	24	4	4	68	25
Jinsen	0	4	0	4	28	44	48	48	72	44	8	0	48	25
Fusan	0	12	0	12	60	36	72	4	52	36	12	4	48	25*
Moppo	0	12	0	12	40	40	0	88	60	40	0	8	52	25
Saishu	0	12	0	12	52	40	36	48	48	40	0	12	48	25
<u>Summer</u>														
Koryo	0	0	0	0	0	0	0	0	100	0	0	0	100	1
Jinsen	0	0	0	0	0	0	100	0	100	0	0	0	100	1
Fusan	0	0	0	0	100	0	100	0	0	0	0	0	100	1
Moppo	0	0	0	0	0	0	100	0	100	0	0	0	100	1
Saishu	0	0	0	0	100	0	0	0	0	0	0	0	100	1
<u>Autumn</u>														
Koryo	0	5	0	5	32	58	42	13	68	60	0	8	32	38
Jinsen	0	3	0	3	16	66	53	37	89	66	8	5	21	38
Fusan	0	3	0	3	26	50	58	8	74	50	0	10	40	38
Moppo	0	8	0	8	37	34	24	68	63	34	3	5	58	38
Saishu	0	8	0	8	66	26	42	45	37	26	5	3	66	38
REGION 8														
<u>Winter</u>														
Joshin	1	7	0	7	21	73	60	21	81	73	6	3	18	107
Genzan	0	1	0	1	9	82	68	18	92	82	5	3	10	106
<u>Spring</u>														
Joshin	0	6	0	6	38	47	59	24	62	47	3	0	50	34
Genzan	0	12	0	12	29	50	56	6	71	50	3	9	38	34
<u>Summer</u>														
Joshin	0	0	0	0	25	75	50	25	75	75	0	0	25	4
Genzan	0	0	0	0	50	50	100	0	50	50	0	0	50	4
<u>Autumn</u>														
Joshin	0	4	0	4	27	67	49	16	73	67	4	6	23	49
Genzan	0	2	0	2	20	67	59	18	84	67	4	6	23	49

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TABLE 29:--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHEASTERLY FLOW IN THE FREE AIR, REGIONS 7 AND 8

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

										Cloud cover, tenths				No. of obs.
										.0-	.4-	.7-	.9-	
A	B	C	D	E	F	G	H	I	.3	.6	.8	1.0		
REGION 7										0600 L.S.T.				
<u>Winter</u>														
Koryo	0	10	0	10	24	69	62	18	78	69	3	2	26	136
Jinsen	1	8	0	6	20	70	61	27	80	70	3	1	26	145
Fusan	0	8	0	8	21	63	52	23	79	64	6	2	28	145
Moppe	1	25	0	23	61	30	32	27	39	30	3	3	64	146
Saishu	0	25	0	24	85	12	31	42	15	12	2	3	83	144
<u>Spring</u>														
Koryo	0	9	0	9	38	43	47	12	64	43	9	5	43	58
Jinsen	3	7	0	7	26	52	65	22	74	52	2	7	39	69
Fusan	0	6	0	6	32	46	52	13	68	46	0	3	51	69
Moppe	3	3	0	3	25	39	42	25	75	39	3	1	57	69
Saishu	0	6	0	6	54	32	57	28	54	32	10	10	48	69
<u>Summer</u>														
Koryo	12	24	0	24	47	35	29	0	53	35	0	0	65	17
Jinsen	0	19	4	19	50	31	54	12	50	31	0	4	65	26
Fusan	0	4	0	4	62	19	50	8	38	19	4	4	72	26
Moppe	15	15	0	15	50	23	27	15	50	23	8	4	65	26
Saishu	4	15	0	15	38	23	50	12	65	23	4	8	65	26
<u>Autumn</u>														
Koryo	0	4	0	4	28	60	74	10	72	60	0	4	36	50
Jinsen	0	5	0	5	16	65	68	11	86	65	9	5	21	57
Fusan	0	0	0	0	30	46	60	7	74	46	9	12	33	57
Moppe	0	4	0	4	28	33	42	11	75	33	7	7	53	57
Saishu	2	11	0	11	72	18	72	16	32	19	4	14	63	57
REGION 8														
<u>Winter</u>														
Joshin	0	18	0	18	46	51	61	8	59	51	5	3	41	61
Genzan	2	20	0	18	30	61	49	8	70	60	0	2	38	61
<u>Spring</u>														
Joshin	0	3	0	3	30	48	53	3	70	47	10	0	43	40
Genzan	5	15	0	15	35	48	35	3	63	50	0	5	45	40
<u>Summer</u>														
Joshin	0	22	0	22	43	35	35	0	61	35	9	0	56	23
Genzan	0	39	0	39	61	30	17	0	39	31	0	4	65	23
<u>Autumn</u>														
Joshin	0	7	0	7	37	53	57	3	67	53	7	0	40	30
Genzan	0	17	0	17	37	40	53	0	63	40	0	0	60	30

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										Cloud cover, tenths				No. of obs.
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 7										1800 L.S.T.				
<u>Winter</u>														
Koryo	0	24	0	24	54	32	39	2	48	32	2	1	65	84
Jinsen	0	4	0	4	20	41	73	20	79	41	5	4	50	85
Fusan	0	18	0	18	47	33	69	2	55	33	4	4	59	85
Moppo	2	13	0	13	39	22	21	66	64	22	5	6	67	85
Saishu	0	21	0	21	79	12	48	28	24	11	5	4	80	85
<u>Spring</u>														
Koryo	0	13	0	13	52	28	53	3	48	27	3	0	70	40
Jinsen	2	7	0	7	37	29	63	27	63	30	2	2	66	41
Fusan	0	24	0	24	76	10	54	15	27	10	7	0	83	41
Moppo	2	29	0	29	49	20	27	39	51	20	2	2	78	41
Saishu	0	29	0	29	63	17	39	27	37	17	7	2	74	41
<u>Summer</u>														
Koryo	0	23	0	23	62	8	15	0	38	8	8	0	84	13
Jinsen	0	0	8	0	15	38	85	15	92	38	15	8	39	13
Fusan	0	8	0	8	77	15	85	0	31	15	8	8	69	13
Moppo	0	0	0	0	38	23	85	8	69	23	15	0	62	13
Saishu	0	15	0	15	46	23	62	15	62	23	23	15	39	13
<u>Autumn</u>														
Koryo	0	18	0	18	62	22	26	40	41	25	8	8	65	79
Jinsen	0	4	0	4	20	56	78	11	81	57	6	6	31	79
Fusan	0	11	0	11	43	35	65	8	62	35	6	4	55	79
Moppo	0	6	0	6	32	41	49	42	68	41	1	5	53	79
Saishu	0	10	0	10	57	28	52	22	48	28	10	14	48	79
REGION 8														
<u>Winter</u>														
Joshin	0	27	0	27	54	39	44	13	46	39	1	5	55	156
Genzan	0	14	0	14	29	52	45	6	70	52	3	5	40	155
<u>Spring</u>														
Joshin	0	24	0	24	68	12	41	7	34	12	5	5	78	41
Genzan	0	29	0	29	51	12	34	5	51	12	7	5	76	41
<u>Summer</u>														
Joshin	0	0	0	0	50	10	80	0	50	10	20	20	50	10
Genzan	0	10	10	10	30	40	70	0	70	40	10	0	50	10
<u>Autumn</u>														
Joshin	0	21	0	21	64	29	53	6	36	29	3	4	64	66
Genzan	0	16	3	16	46	36	49	3	54	36	8	4	52	67

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TABLE 30.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHEASTERLY FLOW IN THE FREE AIR, REGIONS 7 AND 8

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

											Cloud cover, tenths				No. of obs.
A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0			
REGION 7											0600 L.S.T.				
<u>Winter</u>															
Koryo	0	15	0	15	23	69	23	38	77	69	0	0	31	13	
Jinsen	7	7	0	7	29	57	43	43	71	57	7	0	36	14	
Fusan	0	14	0	14	29	57	71	7	79	57	7	0	36	14	
Moppo	0	29	0	29	64	36	29	36	36	36	0	0	64	14	
Saishu	0	21	0	21	86	14	14	64	14	14	7	0	79	14	
<u>Spring</u>															
Koryo	8	19	0	19	56	28	41	9	44	28	3	3	66	32	
Jinsen	6	8	0	8	36	50	53	28	64	50	0	0	50	36	
Fusan	0	9	0	9	46	46	51	14	57	46	6	11	37	35	
Moppo	0	6	0	6	47	39	39	28	58	39	6	0	55	36	
Saishu	6	11	0	8	50	33	56	31	56	33	6	8	53	36	
<u>Summer</u>															
Koryo	4	15	0	15	66	26	32	0	34	26	4	4	66	47	
Jinsen	14	4	0	4	53	23	67	11	47	23	7	1	69	70	
Fusan	0	23	0	23	57	21	33	1	44	23	10	3	64	70	
Moppo	7	14	0	14	54	25	36	7	48	25	1	0	74	69	
Saishu	3	16	0	16	51	30	63	9	51	30	10	4	56	70	
<u>Autumn</u>															
Koryo	0	3	0	3	38	59	63	16	63	60	66	3	31	32	
Jinsen	0	5	2	5	39	51	61	29	61	51	3	5	31	41	
Fusan	0	12	0	12	39	46	41	7	63	46	3	7	44	41	
Moppo	0	13	0	13	50	35	35	23	55	35	10	10	45	40	
Saishu	0	10	0	10	76	12	49	37	34	12	27	5	56	41	
REGION 8															
<u>Winter</u>															
Joshin	7	21	0	21	36	57	57	21	57	57	0	7	36	14	
Genzan	0	14	0	14	50	50	21	43	50	50	0	7	43	14	
<u>Spring</u>															
Joshin	6	6	0	6	47	35	35	9	53	35	6	0	59	34	
Genzan	0	9	00	9	41	41	58	3	62	41	6	0	53	34	
<u>Summer</u>															
Joshin	6	25	0	25	86	8	35	2	17	8	6	2	84	63	
Genzan	0	37	0	37	73	24	24	0	29	24	2	1	73	63	
<u>Autumn</u>															
Joshin	0	12	0	12	40	52	55	2	62	52	7	3	38	42	
Genzan	0	7	0	7	43	48	64	2	62	48	5	7	40	42	

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										Cloud Cover, tenths				No. of obs.
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 7										1800 L.S.T.				
<u>Winter</u>														
Koryo	0	30	0	30	77	13	27	0	23	13	0	0	87	30
Jinsen	7	23	0	23	50	10	67	7	53	10	7	3	80	30
Fusan	0	27	0	23	70	10	37	7	30	10	3	7	80	30
Moppo	0	23	0	23	57	17	57	3	43	17	3	0	80	30
Saishu	3	31	0	28	79	7	48	17	21	7	0	0	93	29
<u>Spring</u>														
Koryo	0	23	3	23	60	17	50	3	40	17	7	0	76	30
Jinsen	0	17	0	17	48	21	62	10	52	21	3	7	69	29
Fusan	0	27	3	27	63	17	60	7	37	17	0	7	76	30
Moppo	0	30	0	30	50	13	53	13	47	13	0	7	80	30
Saishu	7	30	0	30	63	20	27	40	37	20	0	3	77	30
<u>Summer</u>														
Koryo	0	21	1	21	69	11	25	0	35	11	6	7	76	72
Jinsen	0	8	0	8	33	15	81	6	68	15	11	0	74	72
Fusan	0	13	0	13	50	19	76	0	54	19	8	7	66	72
Moppo	0	13	6	13	46	21	72	7	57	21	7	4	68	72
Saishu	0	21	0	21	58	21	39	31	46	21	8	8	63	72
<u>Autumn</u>														
Koryo	0	15	0	15	59	30	33	0	41	30	4	0	66	27
Jinsen	0	7	0	7	33	33	81	0	67	33	4	0	63	27
Fusan	0	11	0	11	56	15	67	4	44	15	4	7	74	27
Moppo	0	22	0	22	56	22	59	4	44	22	0	7	71	27
Saishu	0	22	0	22	81	0	26	41	26	0	15	7	78	27
REGION 8														
<u>Winter</u>														
Joshin	0	33	0	33	100	0	11	22	0	0	0	0	100	9
Genzan	0	44	0	33	89	0	22	0	11	0	0	11	89	9
<u>Spring</u>														
Joshin	0	50	0	50	67	0	17	33	33	0	0	0	100	6
Genzan	0	50	0	50	83	0	17	0	17	0	0	0	100	6
<u>Summer</u>														
Joshin	0	10	0	10	70	20	70	0	30	20	0	0	80	10
Genzan	0	30	0	30	60	10	60	0	40	10	0	0	90	10
<u>Autumn</u>														
Joshin	0	43	0	43	86	14	29	29	14	14	0	0	86	7
Genzan	0	43	0	43	71	14	29	0	29	14	14	0	72	7

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TABLE 31.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHWESTERLY FLOW IN THE FREE AIR, REGIONS 7 AND 8

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

										Cloud cover, tenths				No. of obs.
A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0		
REGION 7														
0600 L.S.T.														
<u>Winter</u>														
Koryo	0	0	0	0	29	71	43	14	86	72	14	0	14	7
Jinsen	10	30	0	30	60	20	50	20	40	20	0	10	70	10
Fusan	0	10	0	10	20	40	60	10	80	40	10	0	50	10
Moppo	10	30	0	30	60	20	10	30	50	20	10	0	70	10
Saishu	0	40	0	40	90	10	20	40	20	10	20	0	70	10
<u>Spring</u>														
Koryo	0	10	0	10	38	39	57	14	64	39	8	1	52	77
Jinsen	5	7	0	7	40	32	68	10	61	32	5	3	60	105
Fusan	0	10	0	10	34	39	44	4	66	39	3	4	54	104
Moppo	2	8	0	8	35	33	53	7	66	34	5	2	59	105
Saishu	0	12	0	12	41	32	72	9	61	32	8	11	49	105
<u>Summer</u>														
Koryo	10	9	1	8	63	25	34	2	37	25	3	8	64	123
Jinsen	14	14	1	14	65	15	59	4	35	15	2	3	80	159
Fusan	1	13	0	13	56	16	38	3	45	17	4	8	71	158
Moppo	6	14	1	14	55	15	46	6	43	16	2	3	79	159
Saishu	2	14	0	13	50	33	57	8	51	34	7	5	54	160
<u>Autumn</u>														
Koryo	0	3	0	3	36	48	66	16	64	48	4	12	36	67
Jinsen	1	6	1	6	27	43	77	2	74	43	7	3	47	86
Fusan	0	8	0	8	40	39	45	5	62	39	5	3	53	85
Moppo	1	5	4	5	34	38	39	8	65	39	1	2	58	85
Saishu	0	13	1	13	54	30	71	12	46	30	6	4	60	83
REGION 8														
<u>Winter</u>														
Joshin	0	8	0	8	25	50	50	17	83	50	17	0	33	12
Genzan	0	8	0	8	33	33	25	17	67	33	0	9	58	12
<u>Spring</u>														
Joshin	7	11	0	11	42	25	50	5	60	25	11	5	59	84
Genzan	0	10	0	10	37	33	49	8	63	32	4	1	63	83
<u>Summer</u>														
Joshin	16	10	0	10	60	17	21	0	41	17	4	10	69	138
Genzan	2	18	0	18	51	19	39	0	50	19	7	6	68	139
<u>Autumn</u>														
Joshin	0	3	0	3	37	59	46	10	66	59	6	1	34	71
Genzan	0	5	0	5	36	42	62	5	69	42	10	6	42	73

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										Cloud cover, tenths				No. of obs.
										.0-	.4-	.7-	.9-	
A	B	C	D	E	F	G	H	I	.3	.6	.8	1.0		
REGION 7														
1800 L.S.T.														
<u>Winter</u>														
Koryo	0	0	0	0	33	50	67	17	67	50	0	0	50	6
Jinsen	0	50	0	50	83	17	33	17	17	17	0	0	83	6
Fusan	0	0	0	0	0	50	67	0	100	50	0	0	50	6
Moppo	0	17	0	17	17	50	83	0	83	50	0	17	33	6
Saishu	0	0	0	0	50	50	67	17	50	50	0	0	50	6
<u>Spring</u>														
Koryo	0	0	2	0	20	20	56	24	80	20	0	0	80	41
Jinsen	0	12	0	12	34	24	59	22	66	24	5	5	66	41
Fusan	0	5	0	5	34	37	78	7	68	37	2	2	59	41
Moppo	0	10	0	10	34	37	59	27	68	37	5	5	53	41
Saishu	0	28	0	8	31	51	51	31	69	51	3	3	43	39
<u>Summer</u>														
Koryo	1	18	2	18	60	23	34	2	42	23	4	8	65	121
Jinsen	2	13	1	13	47	25	69	17	53	25	7	5	63	121
Fusan	0	8	1	8	52	26	80	2	50	27	3	5	65	121
Moppo	0	10	0	9	47	25	70	11	57	25	7	3	65	122
Saishu	1	5	1	5	52	31	64	18	53	30	12	16	42	121
<u>Autumn</u>														
Koryo	0	7	0	7	20	40	40	0	80	40	3	13	44	30
Jinsen	0	3	3	3	40	30	43	43	60	30	7	7	56	30
Fusan	0	3	0	3	30	33	43	3	73	33	7	10	50	30
Moppo	0	3	0	3	20	43	80	3	80	44	0	0	56	30
Saishu	0	7	0	7	50	23	63	13	53	23	10	23	44	30
REGION 8														
<u>Winter</u>														
Joshin	0	17	0	13	61	26	57	13	39	30	13	9	48	23
Genzan	0	13	0	13	35	48	43	0	65	48	0	4	48	23
<u>Spring</u>														
Joshin	4	5	0	5	41	26	41	32	60	26	6	8	60	133
Genzan	4	5	1	5	32	30	59	10	68	30	2	6	62	130
<u>Summer</u>														
Joshin	7	11	1	11	60	14	49	9	42	14	7	8	71	227
Genzan	1	18	2	18	59	15	57	1	44	15	9	5	71	229
<u>Autumn</u>														
Joshin	1	2	0	2	27	51	51	16	76	51	10	3	36	92
Genzan	0	5	0	5	22	53	63	1	80	53	3	5	39	93

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TABLE 32.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHWESTERLY FLOW IN THE FREE AIR, REGIONS 7 AND 8

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

										Cloud cover, tenths				No. of obs.	
A	B	C	D	E	F	G	H	I	00- .3	.4- .6	.7- .8	.9- 1.0			
REGION 7										0600 L.S.T.					
<u>Winter</u>															
Koryo	0	9	0	9	23	64	59	20	78	64	6	5	25	81	
Jinsen	1	7	0	7	26	63	64	17	74	63	3	2	32	92	
Fusan	0	6	0	6	26	52	62	16	76	52	6	3	39	90	
Moppo	0	16	0	15	46	30	40	24	54	31	4	1	64	92	
Saishu	0	16	0	16	86	13	51	32	17	13	3	6	78	90	
<u>Spring</u>															
Koryo	0	5	0	5	27	41	54	8	73	41	7	0	52	59	
Jinsen	3	7	1	7	22	41	66	14	78	41	5	7	47	74	
Fusan	0	11	0	11	41	23	51	7	59	23	7	8	62	73	
Moppo	3	15	0	15	37	28	48	11	64	28	3	6	63	75	
Saishu	1	19	1	19	42	31	59	16	59	31	5	6	58	74	
<u>Summer</u>															
Koryo	0	7	0	7	38	38	38	3	62	38	0	10	52	29	
Jinsen	3	12	0	9	48	9	64	3	52	9	3	12	76	33	
Fusan	0	0	0	0	44	31	44	3	56	32	6	6	56	32	
Moppo	0	12	0	12	45	18	30	9	55	18	9	9	64	33	
Saishu	0	6	0	6	42	36	70	15	58	36	3	15	46	33	
<u>Autumn</u>															
Koryo	0	11	0	11	25	65	74	5	77	65	4	4	27	81	
Jinsen	1	6	0	6	30	56	70	10	74	56	6	4	34	101	
Fusan	0	7	0	7	34	47	55	5	68	47	4	7	42	102	
Moppo	2	7	0	6	34	39	48	13	69	39	7	7	47	102	
Saishu	0	10	1	10	66	24	61	24	37	24	5	9	62	100	
REGION 8															
<u>Winter</u>															
Joshin	0	6	0	6	22	71	67	10	79	71	4	5	20	188	
Genzan	0	6	0	6	16	71	59	6	86	70	3	2	25	187	
<u>Spring</u>															
Joshin	3	0	0	0	21	56	47	3	80	56	5	6	33	100	
Genzan	1	3	0	3	30	48	53	3	71	48	5	4	43	100	
<u>Summer</u>															
Joshin	0	4	0	4	40	18	42	0	62	18	13	7	62	45	
Genzan	2	18	0	18	4	20	29	2	56	20	2	9	69	45	
<u>Autumn</u>															
Joshin	0	6	0	6	27	68	68	5	75	68	7	2	23	105	
Genzan	0	7	0	6	20	69	58	1	81	69	1	6	24	106	

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	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs.
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 7														
										1800 L.S.T.				
<u>Winter</u>														
Koryo	0	2	0	1	15	73	49	37	84	74	2	3	21	117
Jinsen	0	3	0	3	26	59	60	29	74	60	1	3	36	116
Fusan	0	2	0	2	15	66	69	13	88	66	3	8	23	116
Moppe	0	16	0	15	53	29	44	37	51	29	6	6	59	116
Saishu	0	15	0	15	86	9	31	49	16	9	5	6	80	117
<u>Spring</u>														
Koryo	0	8	1	7	28	52	42	22	74	52	7	2	39	106
Jinsen	1	3	0	3	22	54	46	50	81	54	6	3	37	106
Fusan	0	2	0	2	19	50	84	6	82	50	2	7	41	106
Moppe	0	2	0	2	17	46	43	50	83	46	2	3	49	105
Saishu	0	7	0	7	38	37	51	37	82	36	9	9	46	106
<u>Summer</u>														
Koryo	0	6	0	6	34	41	47	13	66	41	9	19	31	32
Jinsen	3	6	0	6	16	56	59	34	84	56	13	3	28	32
Fusan	0	0	0	0	38	34	84	0	62	35	6	6	53	32
Moppe	0	6	0	6	25	34	59	25	78	35	6	6	53	32
Saishu	0	6	0	3	44	31	53	34	59	31	15	13	41	32
<u>Autumn</u>														
Koryo	0	3	0	1	25	63	61	15	76	64	6	6	24	109
Jinsen	0	3	0	2	40	48	48	48	67	48	12	9	31	108
Fusan	0	3	0	3	29	46	64	5	75	46	6	7	41	109
Moppe	0	6	0	6	39	39	47	43	62	39	7	11	43	109
Saishu	0	8	0	8	72	22	38	46	36	22	14	15	49	109
REGION 8														
<u>Winter</u>														
Joshin	0	6	0	6	25	66	64	11	75	68	6	7	19	53
Genzan	0	2	0	2	8	79	81	6	92	79	0	0	21	53
<u>Spring</u>														
Joshin	0	3	0	2	25	61	53	28	77	61	6	9	24	64
Genzan	0	3	0	3	25	41	56	27	76	43	6	18	33	63
<u>Summer</u>														
Joshin	0	5	0	5	45	35	65	5	65	35	15	5	45	20
Genzan	0	0	0	0	42	37	79	0	63	37	11	5	47	19
<u>Autumn</u>														
Joshin	0	2	0	2	21	73	56	24	80	73	4	8	15	66
Genzan	0	3	0	3	20	65	68	17	82	65	6	6	23	66

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TABLE 33.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH RIDGES AND CENTERS OF HIGH PRESSURE, REGIONS 7 AND 8

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

										Cloud cover, tenths				No. of obs.
A	B	CD	D	E	F	G	H	I	.0-.3	.4-.6	.7-.8	.9-1.0		
REGION 7														
0600 L.S.T.														
<u>Winter</u>														
Koryo	0	22	0	22	55	33	22	11	44	63	30	0	62	9
Jinsen	0	36	0	36	45	9	64	0	45	9	0	9	82	11
Fusan	0	27	0	27	55	45	55	0	45	45	0	0	55	11
Moppo	0	36	0	36	64	18	27	0	45	18	9	0	73	11
Saishu	0	45	0	45	82	9	27	27	18	9	0	0	91	11
<u>Spring</u>														
Koryo	4	7	0	7	33	41	41	0	63	44	4	0	52	27
Jinsen	3	14	3	14	34	29	71	6	66	29	11	6	54	35
Fusan	0	9	0	9	46	31	51	6	54	31	3	6	60	35
Moppo	3	23	3	23	43	26	46	3	57	26	3	3	68	35
Saishu	0	26	0	26	69	20	49	14	37	20	6	8	66	35
<u>Summer</u>														
Koryo	16	12	0	12	68	12	32	0	32	16	4	8	72	25
Jinsen	11	8	0	8	61	17	61	11	42	17	0	0	83	36
Fusan	3	19	0	19	61	17	42	0	42	17	8	3	72	36
Moppo	0	17	0	17	56	19	22	3	44	19	3	3	75	36
Saishu	3	11	0	11	56	17	64	11	44	17	8	17	58	36
<u>Autumn</u>														
Koryo	0	0	0	0	36	44	64	4	68	44	4	20	32	25
Jinsen	0	11	0	11	28	39	78	6	72	39	8	8	45	36
Fusan	0	11	0	11	25	47	47	3	75	47	6	3	44	36
Moppo	0	11	0	11	31	22	42	6	72	22	14	3	61	36
Saishu	0	8	0	8	61	25	75	8	39	25	6	5	64	36
REGION 8														
<u>Winter</u>														
Joshin	0	14	0	14	50	42	58	14	50	42	0	3	55	36
Genzan	0	30	0	30	54	38	30	5	49	38	5	3	54	37
<u>Spring</u>														
Joshin	2	14	0	14	52	27	48	2	48	27	3	5	65	63
Genzan	2	23	0	23	53	26	34	0	48	26	3	2	69	62
<u>Summer</u>														
Joshin	15	7	0	7	72	7	24	2	28	7	6	4	83	46
Genzan	7	28	0	28	65	7	26	0	33	7	6	4	83	46
<u>Autumn</u>														
Joshin	1	10	0	10	43	39	45	1	60	39	8	7	46	67
Genzan	0	13	0	13	48	37	61	0	51	37	2	6	55	67

										Cloud cover, tenths				No. of obs.			
										.0-	.4-	.7-	.9-				
A	B	C	D	E	F	G	H	I	.3	.6	.8	1.0					
REGION 7										1800 L.S.T.							
<u>Winter</u>																	
Koryo	0	3	0	3	9	56	53	13	91	56	10	6	28	32			
Jinsen	0	3	0	3	22	41	75	3	78	44	13	6	37	32			
Fusan	0	0	0	0	19	50	66	0	81	50	6	3	41	32			
Moppo	0	3	0	3	13	44	72	9	87	44	3	3	50	32			
Saishu	0	6	0	6	59	28	56	6	41	28	3	6	63	32			
<u>Spring</u>																	
Koryo	0	2	0	2	27	41	62	4	73	41	6	4	49	85			
Jinsen	1	0	0	0	7	54	82	14	93	54	6	0	40	85			
Fusan	0	0	0	0	31	31	83	7	70	31	9	4	56	84			
Moppo	0	2	1	2	10	36	64	23	88	38	2	5	55	84			
Saishu	0	2	0	2	21	45	69	20	81	45	8	6	41	85			
<u>Summer</u>																	
Koryo	0	4	1	4	32	25	34	3	68	25	3	9	63	73			
Jinsen	0	1	0	1	21	32	92	1	81	32	12	4	52	73			
Fusan	0	4	0	4	35	31	82	3	67	30	7	7	56	72			
Moppo	0	4	1	4	27	34	89	0	73	34	8	3	55	73			
Saishu	0	9	0	8	51	34	62	22	55	34	11	10	45	73			
<u>Autumn</u>																	
Koryo	0	3	0	3	25	49	28	1	75	49	5	4	42	79			
Jinsen	0	4	0	4	16	47	81	3	85	47	10	10	33	79			
Fusan	0	5	0	5	22	47	61	1	78	47	5	6	42	79			
Moppo	0	8	0	6	16	51	63	14	84	50	3	1	46	79			
Saishu	0	6	0	6	44	42	60	11	60	42	9	9	40	79			
REGION 8																	
<u>Winter</u>																	
Joshin	0	10	0	10	24	68	68	2	76	68	2	3	27	62			
Genzan	0	13	0	13	23	47	45	3	81	47	15	3	35	62			
<u>Spring</u>																	
Joshin	5	0	0	0	32	51	54	24	68	52	7	7	34	41			
Genzan	0	10	0	10	20	51	68	5	78	54	7	5	34	41			
<u>Summer</u>																	
Joshin	3	3	0	3	51	19	35	11	54	19	5	11	65	37			
Genzan	0	8	3	8	42	24	76	0	58	23	3	8	66	38			
<u>Autumn</u>																	
Joshin	0	0	0	0	27	57	62	3	80	56	10	12	22	50			
Genzan	0	3	0	3	27	63	65	0	73	63	2	2	33	60			

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TABLE 34.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH TROUGHS AND CENTERS OF LOW PRESSURE, REGIONS 7 AND 8

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

										Cloud cover, tenths				No. of obs.
A	B	C	D	E	F	G	H	I	.0- .3	.4- .6	.7- .8	.9- 1.0		
REGION 7- 0600 L.S.T.														
<u>Winter</u>														
Koryo	0	0	0	0	9	73	82	18	91	73	0	9	18	11
Jinsen	8	0	0	0	0	75	75	25	92	84	0	8	8	12
Fusan	0	0	0	0	17	75	75	17	83	75	0	8	17	12
Moppo	0	17	0	8	58	25	50	25	50	25	17	0	58	12
Saishu	0	8	0	8	83	17	33	58	17	17	0	0	83	12
<u>Spring</u>														
Koryo	0	7	0	7	36	50	36	21	64	50	7	14	29	14
Jinsen	6	6	0	6	35	41	53	29	65	41	0	6	53	17
Fusan	0	6	0	6	35	41	59	12	65	41	0	6	53	17
Moppo	0	18	0	18	35	35	59	18	65	35	0	0	65	17
Saishu	0	18	0	18	53	29	47	24	59	29	18	0	53	17
<u>Summer</u>														
Koryo	13	13	0	13	25	38	63	25	62	37	0	13	50	8
Jinsen	17	25	8	25	92	0	58	8	17	0	8	8	84	12
Fusan	0	17	0	17	50	25	50	0	50	25	0	8	67	12
Moppo	0	25	0	25	67	17	50	0	33	17	0	8	75	12
Saishu	0	25	0	25	33	25	58	8	67	25	0	8	67	12
<u>Autumn</u>														
Koryo	0	11	0	11	26	58	74	5	79	58	11	5	26	19
Jinsen	0	4	0	4	17	65	74	13	83	65	0	0	35	23
Fusan	0	4	0	4	43	43	48	9	57	44	0	13	43	23
Moppo	0	0	0	0	17	43	48	22	78	44	0	4	52	23
Saishu	4	4	0	4	65	26	65	26	48	26	17	0	57	23
REGION 8														
<u>Winter</u>														
Joshin	0	12	0	12	24	76	55	24	76	76	3	3	18	33
Genzan	3	0	0	0	0	88	61	15	97	91	0	6	3	33
<u>Spring</u>														
Joshin	10	0	0	0	33	47	60	10	67	47	3	3	47	30
Genzan	0	10	0	10	27	43	47	13	73	43	10	10	37	30
<u>Summer</u>														
Joshin	0	4	0	4	50	38	38	0	54	38	8	8	46	24
Genzan	0	16	0	16	56	32	36	0	44	32	8	0	60	25
<u>Autumn</u>														
Joshin	0	9	0	9	17	65	57	13	87	65	9	4	22	23
Genzan	0	4	0	4	13	65	57	13	87	65	9	0	26	23

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										Cloud cover, tenths				No. of obs.
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 7										1800 L.S.T.				
<u>Winter</u>														
Koryo	0	40	0	40	80	10	40	0	20	10	0	10	80	10
Jinsen	0	50	0	50	90	0	40	10	10	0	0	20	90	10
Fusan	0	25	0	25	75	13	50	13	25	12	0	0	88	8
Moppo	0	50	0	50	90	0	30	0	10	0	0	0	100	10
Saishu	0	30	0	30	90	10	40	30	20	10	10	10	70	10
<u>Spring</u>														
Koryo	0	21	0	21	64	18	52	9	39	18	3	0	79	33
Jinsen	6	30	3	30	58	15	45	24	42	15	0	0	85	33
Fusan	0	24	0	24	61	18	61	12	39	18	9	6	67	33
Moppo	3	27	33	27	58	15	55	18	42	15	3	6	76	33
Saishu	0	24	0	24	61	24	33	33	42	24	6	3	67	33
<u>Summer</u>														
Koryo	0	25	2	25	60	19	26	0	40	19	4	7	70	53
Jinsen	0	11	0	11	28	42	77	9	72	42	9	6	43	53
Fusan	0	23	2	23	62	23	60	2	38	22	2	6	70	53
Moppo	0	13	0	13	38	36	68	13	60	36	0	6	58	53
Saishu	2	9	2	9	58	25	51	34	49	25	13	9	53	53
<u>Autumn</u>														
Koryo	0	15	0	15	65	20	25	0	35	20	5	10	65	20
Jinsen	0	25	0	25	60	20	55	10	45	20	10	15	55	20
Fusan	0	5	0	5	35	30	65	10	65	30	5	25	40	20
Moppo	0	20	0	20	50	25	50	10	50	25	0	5	70	20
Saishu	0	30	0	20	65	20	50	5	35	20	5	10	65	20
REGION 8														
<u>Winter</u>														
Joshin	0	15	0	15	46	31	46	8	54	31	0	0	69	13
Genzan	0	54	0	46	69	8	23	0	31	8	8	7	77	13
<u>Spring</u>														
Joshin	4	11	0	10	47	26	42	26	55	26	7	7	60	73
Genzan	0	11	0	11	39	25	52	13	63	25	5	11	59	75
<u>Summer</u>														
Joshin	1	19	0	19	73	10	44	12	27	11	5	6	78	73
Genzan	0	19	1	19	59	16	55	3	42	16	7	8	69	73
<u>Autumn</u>														
Joshin	0	20	0	20	48	35	43	25	52	37	3	8	52	40
Genzan	0	20	2	20	41	39	49	2	61	39	3	12	46	41

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TABLE 35.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH NORTHEASTERLY FLOW IN THE FREE AIR, REGION 9

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

Cloud cover, tenths														No.
														of
														obs.
REGION 9	A	B	C	D	E	F	G	H	I	.0-.3	.4-.6	.7-.8	.9-1.0	
0600 L.S.T.														
<u>Winter</u>														
Koshun	0	6	0	6	12	44	51	31	44	9	8	39	120	
Mako	0	16	0	16	53	17	7	68	17	6	4	73	120	
Taihoku	2	35	0	34	55	75	52	2	8	4	3	85	120	
Tainan	5	6	1	6	27	30	41	16						
Taito	1	5	1	5	29	28	56	1						
												</		

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										Cloud cover, tenths				No.	
										.0-	.4-	.7-	.9-	of	
										.3	.6	.8	1.0	obs.	
REGION 9										1800 L.S.T.					
<u>Winter</u>															
Koshun	0	7	0	7	8	17	48	22	17	6	17	60	89		
Mako	0	17	0	16	50	11	3	72	11	3	7	79	89		
Taihoku	0	33	0	31	46	11	31	11	11	3	6	80	89		
Tainan	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-		
Taito	-	-	-	-	-	-	-	-	" "	-	-	-	-		
<u>Spring</u>															
Koshun	0	2	0	2	14	23	56	21	26	12	9	53	43		
Mako	0	9	0	7	39	28	21	49	28	2	0	70	43		
Taihoku	0	26	0	26	39	5	35	12	5	2	7	86	43		
Tainan	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-		
Taito	-	-	-	-	-	-	-	-	" "	-	-	-	-		
<u>Summer</u>															
Koshun	0	6	6	6	19	19	81	0	19	0	6	75	16		
Mako	0	9	0	7	39	28	25	25	19	19	6	56	16		
Taihoku	0	19	0	19	31	25	25	19	25	19	6	50	16		
Tainan	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-		
Taito	-	-	-	-	-	-	-	-	" "	-	-	-	-		
<u>Autumn</u>															
Koshun	0	6	0	6	9	20	46	33	20	10	12	58	121		
Mako	0	3	0	3	23	31	3	88	31	7	12	50	121		
Taihoku	0	18	0	17	32	17	34	6	17	10	8	65	121		
Tainan	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-		
Taito	-	-	-	-	-	-	-	-	" "	-	-	-	-		

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TABLE 36.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH EASTERLY FLOW IN THE FREE AIR, REGION 9

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded.

	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs
										.0-.3	.4-.6	.7-.8	.9-1.0	
										.0	.4	.7	.9	
REGION 9										.3	.6	.8	1.0	
										0600 L.S.T.				
<u>Winter</u>														
Koshun	0	7	0	6	10	44	39	36	46	7	10	37	189	
Mako	0	7	0	7	39	21	6	75	22	3	6	69	189	
Taihoku	1	30	0	30	43	16	41	4	17	4	7	72	189	
Tainan	6	3	0	3	22	37	63	6				NO DATA	195	
Taito	0	8	0	8	24	29	51	3				" "	194	
<u>Spring</u>														
Koshun	0	4	0	4	11	37	59	29	37	7	8	48	122	
Mako	0	12	2	12	45	21	20	52	20	6	0	74	122	
Taihoku	1	35	0	34	44	11	42	4	12	2	6	80	121	
Tainan	0	3	0	3	20	31	75	5				NO DATA	124	
Taito	0	10	2	10	41	16	52	4				" "	124	
<u>Summer</u>														
Koshun	0	21	0	21	29	31	57	7	36	0	7	57	14	
Mako	0	14	0	14	0	29	57	29	29	14	14	43	14	
Taihoku	0	14	0	14	14	36	71	0	36	21	7	36	14	
Tainan	7	7	7	7	21	29	100	0				NO DATA	14	
Taito	0	7	0	7	36	14	93	0				" "	14	
<u>Autumn</u>														
Koshun	1	6	0	6	11	45	24	49	50	8	9	33	127	
Mako	0	6	0	6	28	37	12	67	37	9	5	49	127	
Taihoku	0	24	0	22	28	25	71	0	26	8	8	58	127	
Tainan	3	2	0	2	12	52	90	2				NO DATA	124	
Taito	0	10	0	10	24	34	65	3				" "	123	

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										Cloud cover, tenths				No. of obs.
										.0- .3	.4- .6	.7- .8	.9- 1.0	
REGION 9										1800 L.S.T.				
<u>Winter</u>														
Koshun	0	9	0	7	8	27	25	41	27	7	13	53	233	
Mako	0	5	0	5	37	21	3	85	22	4	7	67	234	
Taihoku	0	24	0	23	30	13	19	24	14	6	10	70	234	
Tainan	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	
Taito	-	-	-	-	-	-	-	-	" "	-	-	-	-	
<u>Spring</u>														
Koshun	0	4	0	3	9	28	41	33	26	12	9	53	135	
Mako	0	13	0	13	39	23	10	62	23	3	8	66	135	
Taihoku	0	29	0	29	39	4	19	29	5	10	4	81	135	
Tainan	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	
Taito	-	-	-	-	-	-	-	-	" "	-	-	-	-	
<u>Summer</u>														
Koshun	0	27	0	27	45	9	63	0	9	0	18	73	11	
Mako	0	13	0	13	39	23	18	36	18	0	55	27	11	
Taihoku	0	18	0	18	27	18	18	27	9	9	0	82	11	
Tainan	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	
Taito	-	-	-	-	-	-	-	-	" "	-	-	-	-	
<u>Autumn</u>														
Koshun	0	9	0	10	10	24	30	38	24	12	12	52	155	
Mako	0	4	0	4	18	32	3	81	32	9	13	46	155	
Taihoku	0	21	0	16	24	19	17	26	19	8	10	63	155	
Tainan	-	-	-	-	-	-	-	-	NO DATA	-	-	-	-	
Taito	-	-	-	-	-	-	-	-	" "	-	-	-	-	

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TABLE 37.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHEASTERLY FLOW IN THE FREE AIR, REGION 9

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

										Cloud cover, tenths				No.
	A	B	C	D	F	G	H	I	.0-.3	.4-.6	.7-.8	.9-1.0	of obs.	
REGION 9	0600 L.S.T.													
<u>Winter</u>														
Koshun	0	6	0	6	0	72	22	61	76	6	6	12	18	
Mako	0	6	0	6	17	61	6	56	61	6	0	33	18	
Taihoku	6	6	0	6	17	28	44	11	28	0	17	55	18	
Tainan	6	0	0	0	22	50	94	0	--	NO DATA		--	18	
Taito	0	6	0	6	28	33	44	0	--	"		--	18	
<u>Spring</u>														
Koshun	0	2	0	2	4	48	63	22	48	9	11	32	46	
Mako	0	11	0	11	20	41	37	24	41	4	11	44	46	
Taihoku	4	20	0	20	33	20	59	0	22	2	4	72	46	
Tainan	0	0	0	0	9	43	91	0	--	NO DATA		--	44	
Taito	0	9	0	9	39	16	70	0	--	"		--	44	
<u>Summer</u>														
Koshun	0	25	8	17	33	8	58	13	8	17	17	58	24	
Mako	0	4	4	4	0	8	80	4	8	12	16	64	25	
Taihoku	0	24	0	24	28	24	56	12	24	0	16	60	25	
Tainan	0	4	0	4	12	12	100	0	--	NO DATA		--	26	
Taito	4	27	0	27	27	27	69	0	--	"		--	26	
<u>Autumn</u>														
Koshun	0	17	2	13	31	31	27	19	45	8	9	38	48	
Mako	0	2	2	2	15	50	48	33	50	8	2	40	48	
Taihoku	0	10	0	8	10	52	42	15	54	8	8	30	48	
Tainan	2	6	2	6	12	49	92	0	--	NO DATA		--	49	
Taito	0	10	6	10	38	26	58	4	--	"		--	49	

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	Cloud cover, tenths											No.	
												of	
	A	B	C	D	F	G	H	I	.3	.6	.8	1.0	obs.
REGION 9	1800 L.S.T.												
<u>Winter</u>													
Koshun	0	0	0	0	6	39	50	28	39	22	7	32	18
Mako	0	0	0	0	28	17	6	61	17	11	6	66	18
Taihoku	0	11	0	11	11	39	28	39	39	17	6	38	18
Tainan	-	-	-	-	-	-	-	NO	DATA	-	-	-	-
Taito	-	-	-	-	-	-	-	"	"	-	-	-	-
<u>Spring</u>													
Koshun	0	6	0	6	9	31	35	22	34	13	9	44	68
Mako	0	3	0	3	9	34	22	44	34	13	13	40	68
Taihoku	0	12	0	12	15	15	40	26	15	10	12	63	68
Tainan	-	-	-	-	-	-	-	NO	DATA	-	-	-	-
Taito	-	-	-	-	-	-	-	"	"	-	-	-	-
<u>Summer</u>													
Koshun	0	9	0	9	16	20	43	18	20	20	5	55	44
Mako	0	3	0	3	9	34	55	4	25	7	18	50	44
Taihoku	0	14	2	11	23	18	34	27	18	20	14	48	44
Tainan	-	-	-	-	-	-	-	NO	DATA	-	-	-	-
Taito	-	-	-	-	-	-	-	"	"	-	-	-	-
<u>Autumn</u>													
Koshun	0	18	3	15	28	10	33	20	10	8	5	77	40
Mako	0	10	0	10	23	20	21	40	20	15	12	53	40
Taihoku	0	10	0	10	17	28	23	38	28	17	7	48	40
Tainan	-	-	-	-	-	-	-	NO	DATA	-	-	-	-
Taito	-	-	-	-	-	-	-	"	"	-	-	-	-

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TABLE 38.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHERLY FLOW IN THE FREE AIR, REGION 9

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

									Cloud cover, tenths				No.	
									.0-	.4-	.7-	.9-	of	
A	B	C	D	E	F	G	H	I	.3	.6	.8	1.0	obs.	
REGION 9									0600 L.S.T.					
<u>Winter</u>														
----- FEW OCCURRENCES -----														
<u>Spring</u>														
Koshun	0	0	0	0	0	50	88	0	50	19	6	25	16	
Mako	0	0	0	0	6	69	69	19	69	0	0	31	16	
Taihoku	6	0	0	0	6	25	100	0	31	19	12	38	16	
Tainan	0	0	0	0	6	62	100	0	NO DATA			16		
Taito	0	0	0	0	44	19	94	0	" "			16		
<u>Summer</u>														
Koshun	0	15	0	15	21	27	79	0	27	15	18	40	62	
Mako	0	7	0	7	0	0	69	10	29	13	28	30	61	
Taihoku	0	6	0	5	6	26	89	3	26	18	31	25	62	
Tainan	0	8	0	8	10	49	93	0	NO DATA			61		
Taito	0	10	0	10	20	34	69	0	" "			61		

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										Cloud cover, tenths				No.
										.0-	.4-	.7-	.9-	of
	A	B	C	D	F	G	H	I		.3	.6	.8	1.0	obs.
REGION 9										1800 L.S.T.				
<u>Winter</u>	-----NO DATA-----													
<u>Spring</u>														
Koshun	0	0	0	0	10	30	90	0	30	20	10	40	10	
Mako	0	0	0	0	0	80	50	20	80	0	0	20	10	
Taihoku	0	20	0	20	20	10	50	0	10	10	10	70	10	
Tainan	-----NO DATA-----													
Taito	-----" "-----													
<u>Summer</u>														
Koshun	0	10	0	8	17	27	60	0	27	12	17	44	48	
Mako	0	0	0	0	0	0	67	4	33	12	15	40	48	
Taihoku	0	15	8	14	25	13	64	6	12	10	15	63	48	
Tainan	-----NO DATA-----													
Taito	-----" "-----													
<u>Autumn</u>	-----NO DATA-----													

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TABLE 39.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH SOUTHWESTERLY FLOW IN THE FREE AIR, REGION 9

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

	Cloud cover, tenths												No.	
													of	
	A	B	C	D	E	F	G	H	I	.0- .33	.4- .6	.7- .8	.9- 1.0	obs.
REGION 9	0600 L.S.T.													
Winter	----- NO DATA -----													
Spring														
Koshun	0	5	0	5	18	50	86	5	50	9	5	36	22	
Mako	4	14	0	14	27	32	64	5	36	5	18	41	22	
Taihoku	5	5	0	5	14	45	91	0	46	4	9	41	22	
Tainan	0	10	0	10	15	60	90	0	---	NO DATA			---	20
Taito	0	20	0	20	35	20	75	0	---	"	"	---	---	20
Summer														
Koshun	0	18	0	17	32	22	79	0	22	10	8	50	87	
Mako	1	15	0	15	27	25	58	3	25	10	14	51	88	
Taihoku	3	6	0	6	17	23	92	2	23	12	13	52	88	
Tainan	0	20	1	20	28	30	78	0	---	NO DATA			---	91
Taito	0	9	0	8	18	43	80	3	---	"	"	---	---	91
Autumn	----- NO DATA -----													

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										Cloud cover, tenths No.				
										.0-	.4-	.7-	.9-	of
										.3	.6	.8	1.0	obs.
REGION 9										1800 L.S.T.				
A	B	C	D	F	G	H	I							
<u>Winter</u>														
NO DATA														
<u>Spring</u>														
Koshun	0	6	0	6	13	25	88	0	25	19	31	25	16	
Mako	0	19	6	19	25	44	25	0	44	12	19	25	16	
Taihoku	0	0	0	0	31	6	88	0	13	12	6	69	16	
Tainan	NO DATA													
Taito	" "													
<u>Summer</u>														
Koshun	0	14	1	14	28	10	65	3	10	8	21	61	71	
Mako	0	19	0	19	25	44	21	15	25	7	11	57	71	
Taihoku	0	28	7	24	34	4	38	4	4	13	14	69	71	
Tainan	NO DATA													
Taito	" "													
<u>Autumn</u>														
NO DATA														

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TABLE 40.--SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH RIDGES
AND CENTERS OF HIGH PRESSURE, REGION 9

Percentage of the observations made at 0600 and 1800 local time of
the meridian of 135° east longitude, at which certain weather con-
ditions have been recorded

									Cloud cover, tenths				No.	
									.0-	.4-	.7-	.9-	of	
									.3	.6	.8	1.0	obs.	
REGION 9									0600 L.S.T.					
<u>Winter</u>														
Koshun	0	17	0	17	17	66	33	33	67	0	0	33	6	
Mako	0	0	0	0	0	83	33	50	83	0	17	0	6	
Taihoku	0	0	0	0	0	50	83	0	50	17	17	16	6	
Tainan	0	0	0	0	0	100	100	0	NO DATA			5		
Taito	0	0	0	0	50	50	75	0	" "			4		
<u>Spring</u>														
Koshun	0	4	0	0	4	52	76	8	52	20	0	28	25	
Mako	0	4	0	4	8	56	68	8	56	8	8	28	25	
Taihoku	0	0	0	0	4	52	96	0	52	0	8	40	25	
Tainan	0	0	0	0	4	76	100	0	NO DATA			25		
Taito	0	0	0	0	16	32	84	0	" "			25		
<u>Summer</u>														
Koshun	0	16	0	14	19	30	76	0	30	16	19	35	37	
Mako	0	6	0	6	3	42	86	0	42	14	6	38	36	
Taihoku	0	11	0	11	16	41	89	0	41	16	5	38	37	
Tainan	0	3	0	3	8	27	97	0	NO DATA			37		
Taito	0	11	0	11	19	38	89	0	" "			37		
<u>Autumn</u>														
Koshun	0	14	0	14	14	14	43	29	14	14	0	72	7	
Mako	0	29	0	29	29	43	28	14	43	14	0	43	7	
Taihoku	0	0	14	0	14	71	86	0	71	0	0	29	7	
Tainan	0	0	14	0	29	29	100	0	NO DATA			7		
Taito	0	14	0	14	43	14	71	0	" "			7		

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REGION 9	A	B	C	D	F	G	H	I	Cloud cover, tenths No.					of obs.
									.0-	.4-	.7-	.9-		
									.3	.6	.8	1.0		
1800 L.S.T.														
<u>Winter</u>														
Koshun	0	0	0	0	0	100	100	0	-	-	-	NO DATA	-	1
Mako	0	0	0	0	0	100	0	0	-	-	-	"	"	1
Taihoku	0	0	0	0	0	0	100	0	-	-	-	"	"	1
Tainan	-	-	-	-	-	-	-	-	-	-	-	"	"	1
Taito	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Spring</u>														
Koshun	0	0	0	0	0	54	62	8	54	15	0	31	13	
Mako	0	0	0	0	0	69	50	20	69	0	15	16	13	
Taihoku	0	0	0	0	0	23	77	8	31	15	15	39	13	
Tainan	-	-	-	-	-	-	-	-	-	-	-	-	-	
Taito	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Summer</u>														
Koshun	0	1	0	11	19	30	73	3	30	16	19	35	37	
Mako	0	0	0	0	0	69	73	3	49	14	5	32	37	
Taihoku	0	14	11	11	19	19	57	5	19	13	22	46	37	
Tainan	-	-	-	-	-	-	-	-	-	-	-	-	-	
Taito	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>Autumn</u>														
Koshun	0	0	0	0	17	33	67	0	33	0	0	67	6	
Mako	0	0	0	0	0	40	60	20	40	20	20	20	5	
Taihoku	0	33	0	17	33	33	17	0	33	17	17	33	6	
Tainan	-	-	-	-	-	-	-	-	-	-	-	-	-	
Taito	-	-	-	-	-	-	-	-	-	-	-	-	-	

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TABLE 41.—SUMMARY OF LOCAL WEATHER CONDITIONS ASSOCIATED WITH TROUGHS AND CENTERS OF LOW PRESSURE, REGION 9

Percentage of the observations made at 0600 and 1800 local time of the meridian of 135° east longitude, at which certain weather conditions have been recorded

	A	B	C	D	E	F	G	H	I	Cloud cover, tenths				No. of obs.
										.0-.3	.4-.6	.7-.8	.9-1.0	
REGION 9									0600 L.S.T.					
<u>Winter</u>														
Koshun	0	0	0	0	7	36	86	7	36	0	14	50	14	
Mako	0	21	0	21	64	7	43	14	7	0	0	93	14	
Taihoku	21	36	0	21	50	14	64	0	21	0	7	72	14	
Tainan	31	19	0	12	88	0	75	0	-	-	NO DATA	-	-	16
Taito	0	12	0	12	44	38	63	0	-	-	"	"	-	16
<u>Spring</u>														
Koshun	0	2	0	2	14	47	83	6	47	6	6	41	49	
Mako	8	6	2	6	37	20	65	6	20	10	6	64	49	
Taihoku	6	19	0	19	34	9	77	2	11	8	15	66	47	
Tainan	2	2	0	2	12	33	100	0	-	-	NO DATA	-	-	49
Taito	0	12	0	12	33	41	80	0	-	-	"	"	-	49
<u>Summer</u>														
Koshun	0	15	0	15	35	15	76	3	15	12	9	64	34	
Mako	0	24	0	24	9	21	53	0	21	15	6	58	34	
Taihoku	0	15	0	15	24	12	85	0	12	18	12	58	34	
Tainan	3	15	0	15	32	21	82	0	-	-	NO DATA	-	-	34
Taito	0	15	0	15	29	18	85	0	-	-	"	"	-	34
<u>Autumn</u>														
Koshun	0	16	0	16	16	37	68	5	37	16	5	42	19	
Mako	0	5	5	5	32	26	47	11	26	11	10	53	19	
Taihoku	0	16	0	16	32	32	74	5	32	0	10	58	19	
Tainan	6	12	0	12	29	41	76	0	-	-	NO DATA	-	-	17
Taito	0	17	0	17	33	56	78	0	-	-	"	"	-	18

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										Cloud cover, tenths				No.
										.0-	.4-	.7-	.9-	of
										.3	.6	.8	1.0	obs.
REGION 9										1800 L.S.T.				
<u>Winter</u>														
Koshun	0	11	0	0	11	22	67	0	22	11	11	56	9	
Mako	0	33	0	33	78	0	33	22	0	0	0	100	9	
Taihoku	0	22	0	22	55	22	78	0	22	11	-	67	9	
Tainan	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Taito	-	-	-	-	-	-	-	" "	-	-	-	-	-	
<u>Spring</u>														
Koshun	0	8	3	5	13	33	63	8	35	8	12	45	40	
Mako	0	3	0	3	13	43	25	0	43	10	10	37	40	
Taihoku	0	18	3	18	30	12	58	5	12	8	12	68	40	
Tainan	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Taito	-	-	-	-	-	-	-	" "	-	-	-	-	-	
<u>Summer</u>														
Koshun	0	28	0	28	33	11	47	3	11	0	17	72	366	
Mako	0	3	0	3	13	43	28	17	22	14	8	50	36	
Taihoku	0	19	3	19	28	11	47	8	11	6	8	75	36	
Tainan	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Taito	-	-	-	-	-	-	-	" "	-	-	-	-	-	
<u>Autumn</u>														
Koshun	0	0	0	0	21	21	64	39	21	7	0	72	14	
Mako	0	21	0	21	36	36	64	14	36	7	7	50	14	
Taihoku	0	7	0	7	14	14	57	0	21	21	0	58	14	
Tainan	-	-	-	-	-	-	-	NO DATA	-	-	-	-	-	
Taito	-	-	-	-	-	-	-	" "	-	-	-	-	-	

~~CONFIDENTIAL~~

TABLE 42.—PERCENTAGE FREQUENCY OF FREE-AIR FLOW BY STRENGTH OF CIRCULATION
(Breakdown of table 2)

Classes: 1. Weak (Beaufort 1-3, gradient speed less than 13 m.p.h.)
2. Intermediate (Beaufort 4-7, gradient speed 13-39 m.p.h.)
3. Strong (Beaufort 8 and over, gradient speed 40 m.p.h. and over)

	N			NE			E			SE			S		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
REGION 1															
Winter	5	18	3	5	20	7				1	1	1	*	2	*
Spring	1	5	1	1	8	4				1	4	3	1	5	*
Summer	1	1	*	1	3	1				2	11	2	5	6	*
Autumn	3	3	1	3	6	3				1	6	2	1	3	*
REGION 2															
Winter	2	10	2	3	10	2				*	2	2	1	*	*
Spring	*	3	3	1	5	3				*	4	3	1	3	2
Summer	1	1	0	2	3	*				3	10	1	3	8	1
Autumn	2	4	1	2	4	1				1	6	2	1	4	1
REGION 3															
Winter	*	10	2	1	8	1				*	1	1	*	1	1
Spring	*	6	3	*	6	1				*	3	2	1	7	1
Summer	*	3	*	3	4	*				2	10	2	4	10	2
Autumn	1	5	1	2	6	1				1	7	1	1	6	1
REGION 4															
Winter	1	11	7	1	17	6				0	1	*	*	1	0
Spring	*	6	4	1	10	7				*	3	1	*	4	1
Summer	*	1	*	3	6	*				2	7	1	3	5	*
Autumn	1	4	2	2	15	3				1	5	1	1	3	*
REGION 5															
Winter	*	12	4	3	18	7				0	1	1			
Spring	*	3	3	2	11	11				*	4	2			
Summer	*	1	0	3	6	1				4	7	1			
Autumn	1	4	1	4	20	5				1	7	2			
REGION 6															
Winter	*	16	2	3	24	3				*	4	*			
Spring	*	5	1	1	15	8				*	6	1			
Summer	*	1	0	2	7	1				3	10	2			
Autumn	1	5	*	3	26	3				2	7	*			
REGION 7															
Winter	1	16	11	2	17	2				*	4	2			
Spring	1	3	2	2	9	1				1	4	2			
Summer	*	*	0	2	2	*				5	10	1			
Autumn	3	5	2	6	12	*				2	4	*			
REGION 8															
Winter	1	11	12	2	15	18				*	2	*			
Spring	1	5	2	2	7	2				2	*	*			
Summer	*	2	*	2	1	*				1	1	*			
Autumn	3	5	3	5	8	3				1	1	*			
REGION 9															
Winter				*	18	11	1	38	20	0	4	1	0	0	0
Spring				1	9	3	3	26	6	2	13	1	2	2	0
Summer				1	4	*	1	2	0	3	6	*	7	8	*
Autumn				2	27	6	2	30	7	1	10	1	*	1	0

TABLE 42.--PERCENTAGE FREQUENCY OF FREE-AIR FLOW BY STRENGTH OF CIRCULATION
(Breakdown of table 2) (cont.)

Classes: 1. Weak (Beaufort 1-3, gradient speed less than 13 m.p.h.)
2. Intermediate (Beaufort 4-7, gradient speed 13-39 m.p.h.)
3. Strong (Beaufort 8 and over, gradient speed 40 m.p.h. and over)

	SW			NW			Ridge & High			Trough & Low		
	1	2	3	1	2	3	1	2	3	1	2	3
REGION 1												
Winter	1	2	*	4	14	3	2	*	0			
Spring	3	18	3	3	12	2	6	2	0			
Summer	13	20	2	2	4	*	9	1	*			
Autumn	5	13	2	3	17	3	6	1	*			
REGION 2												
Winter	*	2	2	4	26	11	5	2	*			
Spring	2	12	5	2	14	7	7	4	*			
Summer	12	16	3	2	5	1	7	1	0			
Autumn	3	11	3	3	17	5	9	3	0			
REGION 3												
Winter	*	3	1	13	32	13	8	5	0			
Spring	1	13	1	1	16	9	10	5	*			
Summer	13	12	*	1	7	1	8	1	0			
Autumn	1	7	*	1	19	3	16	6	*			
REGION 4												
Winter	*	3	1	*	22	6	8	6	1			
Spring	1	11	3	*	8	3	13	7	1			
Summer	12	14	1	1	5	*	8	4	*			
Autumn	1	3	*	1	8	3	18	9	1			
REGION 5												
Winter	*	3	1	1	15	6	10	5	1			
Spring	2	10	3	1	5	2	13	6	*			
Summer	11	16	1	1	4	*	11	3	0			
Autumn	1	3	1	1	8	1	13	5	1			
REGION 6												
Winter	*	4	0	1	14	3	8	6	*			
Spring	1	8	2	*	7	2	13	8	*			
Summer	8	16	1	1	2	*	12	4	0			
Autumn	*	2	*	1	8	1	13	3	0			
REGION 7												
Winter	*	2	*	1	15	8	5	2	0	*	1	1
Spring	2	7	1	3	13	7	13	4	1	1	2	2
Summer	11	13	1	2	5	1	15	2	0	2	5	2
Autumn	3	3	*	3	14	4	16	2	0	1	3	*
REGION 8												
Winter	*	3	1	2	6	3	9	6	1	*	2	1
Spring	4	16	8	2	9	3	7	6	*	2	5	5
Summer	11	24	10	1	3	1	9	4	*	3	6	3
Autumn	4	12	2	3	8	3	15	5	*	1	4	2
REGION 9												
Winter	0	0	0				*	1	0	*	3	*
Spring	1	4	*				4	1	0	2	9	1
Summer	8	14	*				7	3	*	3	6	1
Autumn	*	0	0				1	1	0	1	3	0

*More than 0.0 and less than 0.6%.

STRENGTH OF GRADIENT WIND IN THE SEVERAL FLOW TYPES

In the discussion and tabulations presented above, the classification of flow types has been made without regard to strength of the flow. An indication of the relative strength of the various types is given in table 42, in which the frequencies of table 1 are broken down into three classes, weak, intermediate, and strong, which are defined in the heading of the table. The percentages given in the table refer to all observations, so that the number "18" in column 2, N, Region 1, winter, means that 18 percent of all bi-daily observations made in this season had gradient winds of moderate strength from the north. With few exceptions, the maximum frequency of free-air winds at all seasons and in all regions is found in this intermediate group. "Ridge and High," as is to be expected, falls most frequently into the "weak" class. The exceptions among the flow types defined by directions (N clockwise to NW) in Region 3, summer, SW, and in Region 8, winter, N and NE, are in accordance with the general conditions of circulation over the Japanese area in the two extreme seasons of the year: strong flow of air from the northerly octants in winter, and weak flow from the southerly octants in summer. Strong flow from the southerly octants in summer, especially in the more southerly regions, is usually associated with tropical cyclones.