

**U. S. DEPARTMENT OF COMMERCE**

CHARLES SAWYER, Secretary

**WEATHER BUREAU**

F. W. REICHELDERFER, Chief

**Upper Air Average Values of Temperature,  
Pressure, and Relative Humidity  
Over the United States and Alaska**



**TECHNICAL PAPER NO. 6**

Division of Climatological and Hydrologic Services

Aviation Section

First printed May 1945

Revised April 1949

WASHINGTON

## Table of Contents

Page

Introduction	4
Average Temperature, Pressure and Relative Humidity	
Albuquerque, N. Mex.	6
Anchorage, Alaska	8
Atlanta, Ga.	10
Barrow, Alaska	12
Bethel, Alaska	14
Bismarck, N. Dak.	16
Boise, Idaho	18
Brownsville, Tex.	20
Buffalo, N. Y.	22
Charleston, S. C.	24
Denver, Colo.	26
El Paso, Tex.	28
Ely, Nev.	30
Fairbanks, Alaska	32
Great Falls, Mont.	34
Joliet, Ill.	36
Juneau, Alaska	38
Ketchikan, Alaska	40
Lakehurst, N. J.	42
Medford, Oreg.	44
Miami, Fla.	46
Nashville, Tenn.	48
Oakland, Calif.	50
Oklahoma City, Okla.	52
Omaha, Nebr.	54

	Page
Phoenix, Ariz.	56
Portland, Oreg.	58
St. Louis, Mo.	60
St. Paul and Minneapolis, Minn.	62
San Antonio, Tex.	64
San Diego, Calif.	66
San Juan, P. R.	68
Sault Ste. Marie, Mich.	70
Seattle, Wash.	72
Spokane, Wash.	74
Swan Island, W. I.	76
Washington, D. C.	78

### Charts

Index Chart	80
Isobars and Isotherms at 1500 meters	81
"    "    "    "    3000    "	85
"    "    "    "    5000    "	89
"    "    "    "    10,000    "	93
"    "    "    "    13,000    "	97
"    "    "    "    16,000    "	101

## Introduction

The upper air temperature, pressure and relative humidity averages presented in this publication were prepared in answer to requests for such data, received from the armed services, manufacturers and designers of aircraft, airlines, institutions of learning, and various scientific organizations. Although the averages are subject to the limitations of a relatively short period of record, it is felt that the data presented will be of value to those persons and organizations desiring this type of information.

Data used in this tabulation were obtained by means of radiosondes. The observations were taken between 2200 and 0100, 75th meridian time, except those prior to November 1939, which were taken at 0300, 75th meridian time. Observations at Lakehurst, San Diego, and Seattle were taken by the Navy. Data obtained by means of kites and airplanes are not included in this summary because of the difference in scheduled time of observations, with resultant varying diurnal effects.

Temperature is shown in centigrade degrees, pressure in millibars, relative humidity in percent, altitudes and station elevations in units of 0.98 geodynamic meter above sea level. (In the region represented by these data, 0.98 geodynamic meter is very nearly equal to one geometric meter, or 39.4 inches.)

Tabular matter is shown for all months for all standard levels, temperature-height graphs for the months of January, April, July and October, and charts depicting the temperature and pressure distribution patterns for these same mid-months of each season, for 1500, 3000, 5000, 10,000, 13,000, and 16,000 meters.\*

The average values are direct arithmetical averages and are not computed

for any level having less than 25 observations, nor for any case in which all observations were taken in the same year. The number of temperature observations available at the surface, 5, 10, 15, and 18 kilometers is shown for each station for each month. The number of pressure observations is similar to those for temperature and accordingly is not shown. The number of relative humidity observations is shown for each month for the surface, 5, 7, and 9 kilometers.

Data are presented for 37 stations, 6 of which began taking radiosonde observations during 1938, 20 during 1939, and 11 during 1940. Observations taken through December 1943 were used for all stations. Summarized values are not shown for stations inaugurating their radiosonde program subsequent to 1940.

\*These charts were drawn primarily for the data shown in tabular form and were not adjusted to represent long time normal values. Another publication entitled "Normal Weather Maps, Northern Hemisphere Upper Level" (for limited distribution) was recently prepared through joint cooperation of the Army, Navy, and Weather Bureau, and presents normal charts of temperature and pressure for selected levels for the Northern Hemisphere.

BENJAMIN RATNER

AVERAGE TEMPERATURES °C.

Albuquerque, N. Mex.

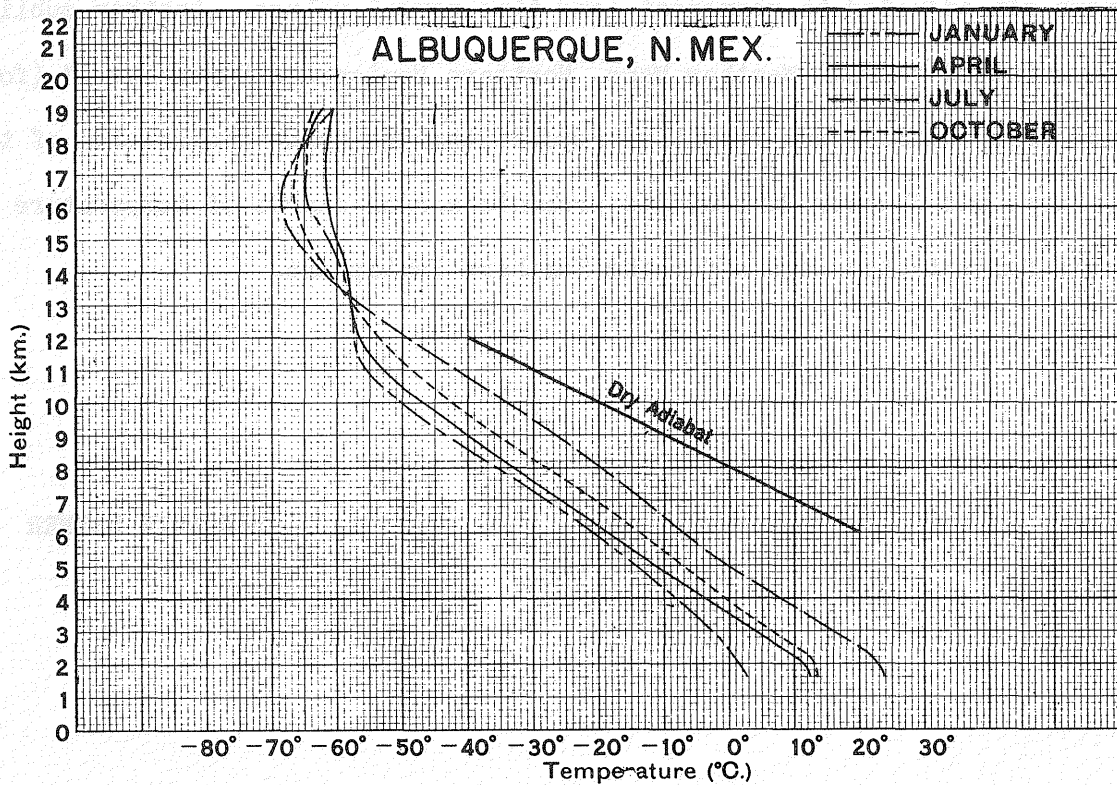
Elevation: 1,620 meters, m.s.l.

Period of Record: July 1939-July 1940

March 1941-December 1943

Alt.(km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	2.6	4.2	7.8	12.3	17.7	22.2	23.8	22.5	19.7	13.1	7.7	3.1
2.0	1.4	3.8	7.5	11.3	17.0	21.7	22.7	21.3	19.1	13.0	8.4	3.4
2.5	-0.2	0.4	3.9	7.8	13.6	18.3	19.3	18.3	15.9	9.8	5.5	1.3
3.0	-2.9	-3.0	0.0	3.9	9.8	14.4	15.5	14.8	12.2	5.9	1.2	-1.2
4	-8.3	-9.5	-7.6	-4.0	1.7	6.2	7.6	7.0	4.6	-1.3	-3.5	-6.3
5	-14.2	-16.2	-14.6	-11.4	-6.5	-2.0	-0.1	-0.5	-2.2	-7.7	-9.6	-12.5
6	-21.0	-22.6	-21.4	-18.4	-13.8	-9.4	-7.1	-6.9	-8.2	-13.9	-16.4	-19.1
7	-28.2	-29.4	-28.7	-25.4	-20.9	-16.1	-13.2	-12.7	-14.6	-21.1	-23.6	-26.8
8	-35.9	-36.7	-36.1	-32.8	-28.1	-23.3	-19.8	-19.4	-21.7	-28.1	-31.2	-34.2
9	-43.4	-43.4	-43.3	-39.9	-35.8	-30.6	-26.8	-26.2	-29.2	-35.4	-38.9	-41.2
10	-50.3	-49.8	-50.2	-46.8	-43.7	-38.4	-34.3	-34.1	-36.6	-42.3	-45.9	-47.5
11	-55.9	-54.2	-55.3	-52.5	-50.4	-45.8	-42.1	-41.7	-43.7	-48.5	-51.6	-52.2
12	-57.4	-55.9	-58.1	-56.5	-56.3	-51.8	-49.4	-49.3	-50.3	-53.6	-56.1	-56.5
13	-57.7	-56.9	-58.2	-57.7	-59.4	-56.7	-56.2	-56.8	-56.4	-57.8	-59.3	-58.9
14	-59.4	-58.3	-58.8	-58.4	-60.7	-59.9	-59.9	-62.2	-63.4	-61.6	-61.9	-60.2
15	-61.3	-60.9	-60.5	-60.0	-61.1	-62.7	-66.6	-68.1	-65.8	-64.3	-64.1	-62.7
16	-64.6	-63.2	-61.8	-61.2	-62.0	-65.1	-68.7	-69.7	-68.6	-66.3	-65.7	-64.7
17	-64.6	-63.4	-62.5	-61.8	-62.6	-65.1	-67.6	-67.3	-68.8	-66.4	-66.1	-64.9
18	-64.8	--	-61.5	-61.5	-62.3	-65.5	-64.7	-64.0	-66.9	-65.1	-66.8	-64.2
19	--	--	--	-60.6	-60.7	-63.0	-62.1	-62.1	-63.8	-63.8	--	--
20	--	--	--	--	-59.3	-60.4	--	--	--	--	--	--

	Number of Observations											
Surface	93	85	109	119	123	120	117	122	120	119	120	121
5	93	83	108	115	120	118	115	120	117	116	116	118
10	85	75	100	108	114	119	106	109	109	104	109	102
15	68	50	66	93	104	108	86	96	87	73	78	69
18	25	--	29	59	74	90	68	64	53	50	28	30



AVERAGE PRESSURES (Mbs.)

Elevation: 1,620 meters, m.s.l.

ALBUQUERQUE, N. MEX.

7

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	839	837	835	835	836	837	840	840	839	839	841	839
2.0	801	799	798	798	799	801	805	804	803	802	803	801
2.5	752	751	750	751	753	755	759	758	757	755	755	753
3.0	707	705	705	707	710	712	716	715	714	711	711	707
4	622	620	621	624	628	632	636	634	632	628	627	623
5	546	544	546	549	554	558	562	561	559	554	552	548
6	478	476	477	481	486	491	496	495	492	486	484	480
7	417	415	416	420	426	431	435	435	432	425	423	419
8	362	360	361	365	371	377	381	380	378	371	368	364
9	312	311	312	316	322	328	332	331	329	321	319	314
10	269	267	268	272	279	284	289	288	286	278	275	271
11	230	229	230	234	240	245	250	249	247	240	237	233
12	197	196	196	200	205	211	215	215	212	205	203	199
13	168	168	167	171	175	180	184	184	182	176	173	170
14	143	143	143	146	149	154	157	156	155	150	147	145
15	122	122	122	124	127	131	133	133	132	127	125	123
16	104	104	104	106	108	111	113	113	112	108	106	105
17	89	88	88	90	92	94	95	95	94	92	90	89
18	76	--	75	77	78	80	81	80	80	78	77	76
19	--	--	--	65	67	68	69	68	68	--	--	--
20	--	--	--	--	57	58	--	--	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	49	44	40	40	34	33	43	51	46	46	43	58
2.0	49	43	39	39	31	32	41	47	44	43	42	56
2.5	49	43	40	41	31	32	41	48	44	44	42	53
3.0	50	45	41	44	33	33	44	51	48	47	42	52
4	49	45	44	50	37	39	53	64	57	51	42	46
5	46	43	45	53	42	47	63	73	61	49	38	43
6	43	40	41	51	41	50	66	71	53	43	35	41
7	40	39	40	45	37	47	59	62	45	39	36	40
8	36	39	37	40	37	42	54	55	44	39	35	31
9	--	--	--	--	37	42	51	52	40	35	34	--
10	--	--	--	--	--	46	53	54	45	--	--	--

Number of Observations (Relative Humidity)

Surface	93	84	109	119	124	120	116	124	120	120	120	123
5	91	78	105	113	119	118	113	122	115	117	115	120
7	89	71	101	107	116	117	111	115	109	110	86	85
9	--	--	--	--	38	73	101	102	78	48	25	--

AVERAGE TEMPERATURES °C.

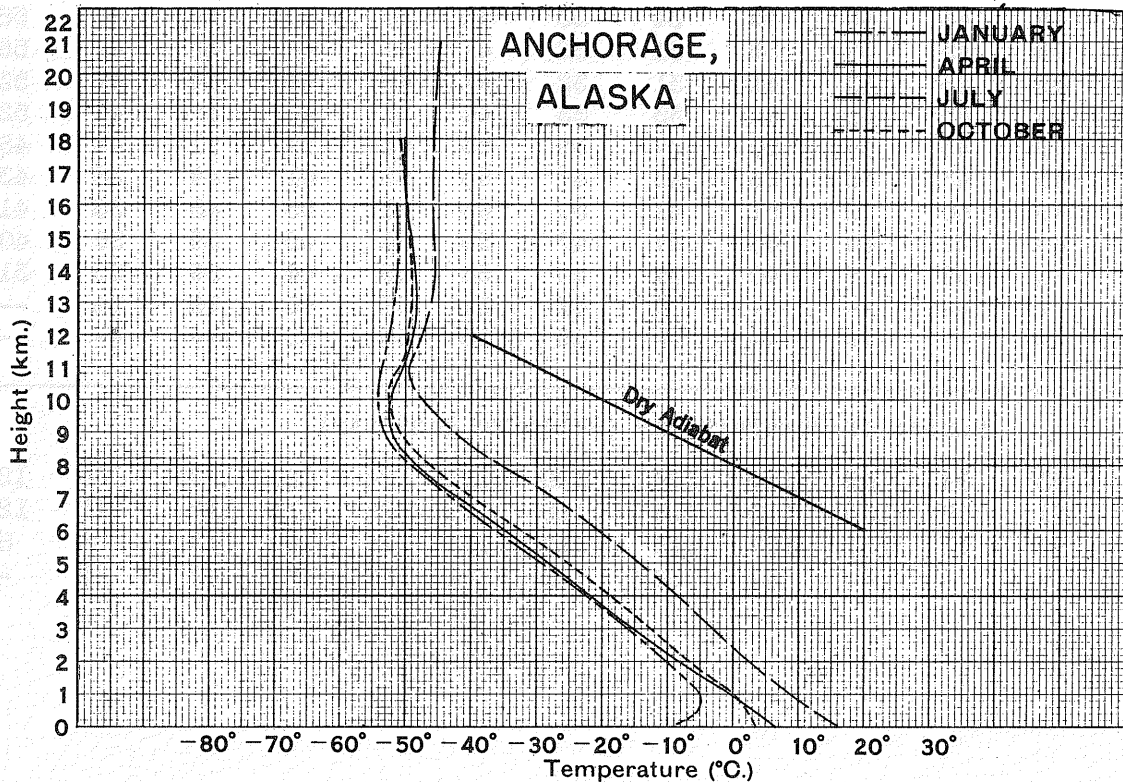
Anchorage, Alaska

Elevation: 42 meters, m.s.l.

Period of Record: October 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-8.2	-1.8	-0.6	6.0	11.5	15.5	16.0	15.6	11.3	3.1	-5.0	-8.2
0.5	-5.2	-1.5	-2.6	3.2	8.3	12.4	12.6	13.2	8.9	2.1	-4.2	-6.2
1.0	-5.1	-3.2	-5.0	-0.5	4.3	8.9	9.1	9.7	5.8	-0.3	-5.0	-6.4
1.5	-7.5	-6.0	-8.4	-4.5	0.5	5.3	5.6	6.4	2.4	-3.4	-7.4	-8.9
2.0	-10.5	-9.0	-11.4	-8.4	-3.3	1.9	2.5	3.1	-0.8	-6.7	-10.0	-12.0
2.5	-13.4	-11.9	-14.3	-11.8	-6.6	-1.2	-0.2	0.1	-3.7	-9.6	-12.9	-15.0
3.0	-16.4	-14.9	-17.4	-15.2	-9.8	-4.2	-2.7	-2.4	-6.3	-12.6	-15.9	-18.1
4	-22.8	-21.0	-23.7	-22.1	-15.9	-10.1	-8.0	-7.8	-11.9	-18.9	-22.4	-24.5
5	-29.5	-27.5	-30.8	-28.5	-22.1	-16.7	-14.1	-13.7	-18.1	-25.5	-29.2	-30.7
6	-36.4	-34.2	-37.5	-35.1	-28.6	-23.1	-20.6	-20.2	-24.6	-32.4	-35.8	-37.2
7	-43.1	-40.8	-43.9	-42.0	-35.6	-30.2	-28.2	-27.3	-31.1	-39.8	-42.6	-43.9
8	-49.3	-47.0	-48.8	-48.3	-42.4	-37.5	-35.3	-35.4	-38.3	-46.3	-48.3	-49.8
9	-53.4	-51.5	-52.0	-52.2	-48.7	-45.3	-42.3	-41.5	-44.6	-51.0	-52.7	-53.3
10	-54.3	-53.4	-53.2	-52.2	-51.9	-50.3	-47.9	-47.4	-48.5	-52.7	-53.0	-54.4
11	-53.8	-52.0	-53.0	-50.4	-51.4	-50.6	-49.6	-50.7	-49.6	-50.6	-52.2	-52.8
12	-52.7	-50.1	-52.0	-48.9	-49.3	-48.6	-47.5	-50.3	-50.1	-49.9	-51.1	-51.9
13	-51.9	-49.1	-50.5	-48.5	-48.2	-47.2	-46.1	-49.6	-50.2	-49.6	-50.5	-51.0
14	-51.4	-49.0	-50.6	-48.7	-48.0	-46.2	-45.9	-49.7	-50.8	-49.7	-50.1	-50.8
15	-51.3	-49.0	-50.8	-49.2	-48.0	-46.3	-45.9	-49.2	-51.5	-49.6	-50.0	-51.6
16	-51.4	-49.6	-51.4	-49.9	-47.9	-46.3	-45.7	-48.9	-51.8	-49.8	-50.1	-51.2
17	--	-49.3	-51.4	-50.4	-47.4	-46.2	-45.6	-48.5	-51.7	-50.6	-51.2	--
18	--	--	--	-50.2	-47.1	-46.0	-45.5	-47.9	--	-51.1	--	--
19	--	--	--	--	-47.0	-45.8	-45.5	--	--	--	--	--
20	--	--	--	--	--	-45.7	-45.3	--	--	--	--	--
21	--	--	--	--	--	--	-45.0	--	--	--	--	--

	Number of Observations											
Surface	93	83	93	90	90	88	93	93	91	119	119	124
5	91	83	87	90	83	84	87	86	88	114	111	118
10	82	75	79	86	71	72	83	76	74	92	92	106
15	51	54	56	59	56	60	70	49	46	62	48	56
18	--	--	--	31	34	43	51	25	--	28	--	--





AVERAGE PRESSURES (Mbs.)

Elevation: 42 meters, m.s.l.

ANCHORAGE, ALASKA

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	999	1001	1001	998	1008	1007	1009	1007	1004	995	999	995
0.5	943	945	944	944	954	954	955	954	950	941	943	939
1.0	884	887	887	887	897	898	900	899	894	884	885	881
1.5	829	832	831	833	843	845	847	846	841	830	830	825
2.0	777	780	779	781	792	795	796	795	790	779	778	774
2.5	728	731	730	732	743	747	749	748	742	730	729	724
3.0	682	685	683	685	697	701	703	702	696	684	683	678
4	596	599	597	599	611	617	619	619	612	599	597	592
5	519	522	520	523	535	541	544	543	536	523	520	515
6	450	454	451	454	466	473	476	476	468	455	451	447
7	389	393	389	392	404	412	415	415	408	394	390	386
8	335	339	334	337	350	357	360	360	353	340	335	332
9	287	291	287	289	300	308	311	311	305	292	288	284
10	246	249	246	248	257	265	268	268	262	250	247	244
11	210	213	211	213	221	228	230	231	226	215	212	209
12	180	183	181	182	189	195	198	198	194	184	181	179
13	154	157	155	157	162	168	170	170	166	158	156	153
14	132	135	133	135	140	144	146	146	142	135	133	131
15	114	116	114	116	120	124	126	125	122	116	115	113
16	98	99	98	99	103	107	108	107	105	100	98	97
17	--	85	84	85	89	92	93	92	90	85	84	--
18	--	--	--	73	76	79	80	79	--	73	--	--
19	--	--	--	--	66	68	69	--	--	--	--	--
20	--	--	--	--	--	58	60	--	--	--	--	--
21	--	--	--	--	--	--	52	--	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	81	73	65	61	57	63	67	73	75	76	79	85
0.5	74	69	64	60	59	61	69	72	71	70	71	78
1.0	68	67	64	62	61	64	74	75	73	69	67	72
1.5	67	67	65	65	65	69	80	80	77	72	67	72
2.0	67	68	67	69	70	73	84	81	81	76	68	73
2.5	66	67	67	71	71	75	82	79	80	77	66	72
3.0	65	67	67	72	72	75	80	75	77	76	66	70
4	63	66	64	72	71	75	73	70	70	72	65	67
5	61	64	64	71	69	73	66	66	67	69	65	68
6	60	62	63	72	67	67	62	62	65	65	58	65
7	--	55	--	--	61	65	60	59	64	59	--	--
8	--	--	--	--	--	65	56	62	--	--	--	--

Number of Observations (Relative Humidity)

Surface	93	83	93	89	92	88	93	93	91	120	119	124
5	83	80	74	86	84	74	87	81	86	110	95	96
7	--	29	--	--	51	69	86	74	70	30	--	--

AVERAGE TEMPERATURES °C.

Atlanta, Ga.

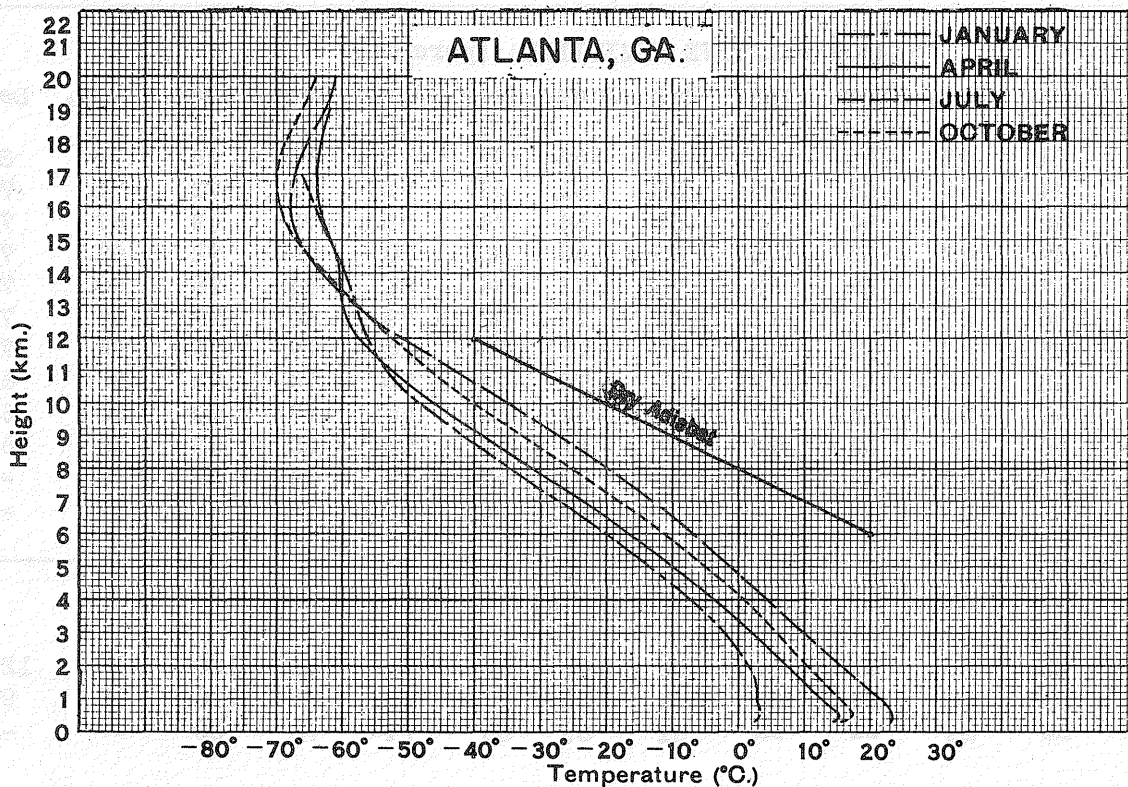
Elevation: 300 meters, m.s.l.

Period of Record: July 1939-July 1940

February 1941-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	2.3	4.2	7.8	14.4	18.8	22.8	23.1	23.0	20.6	15.5	8.3	5.7
0.5	3.2	4.9	8.4	15.4	20.1	23.4	23.5	23.5	21.7	17.4	10.6	6.9
1.0	2.9	3.4	6.7	12.8	17.5	21.1	21.8	21.5	19.5	15.5	8.9	6.7
1.5	2.7	2.2	4.7	9.9	14.3	17.9	18.6	18.4	16.6	13.0	7.1	6.0
2.0	1.7	0.6	2.6	7.2	11.0	14.7	15.6	15.4	13.9	10.7	5.4	4.8
2.5	-0.1	-1.3	0.8	4.7	8.0	11.6	12.7	12.6	11.4	8.4	3.4	3.2
3.0	-2.0	-3.4	-1.6	2.1	5.1	8.6	9.8	9.7	8.9	5.9	1.1	0.8
4	-7.3	-8.7	-6.9	-3.5	-0.2	3.0	4.3	4.2	3.5	0.8	-4.0	-4.7
5	-13.6	-15.2	-13.2	-10.0	-6.3	-2.6	-1.2	-1.0	-1.9	-5.0	-10.0	-10.8
6	-20.2	-21.8	-20.2	-16.8	-13.0	-8.5	-6.8	-6.6	-8.0	-11.3	-16.6	-17.2
7	-27.3	-28.3	-27.2	-24.0	-20.1	-15.0	-13.2	-12.9	-14.6	-18.1	-23.9	-24.3
8	-34.8	-35.1	-34.5	-31.4	-27.5	-21.9	-20.0	-19.7	-21.6	-25.1	-31.3	-31.5
9	-42.2	-42.3	-41.8	-38.7	-34.9	-29.0	-27.1	-26.9	-29.0	-32.4	-38.4	-38.9
10	-48.5	-48.2	-48.6	-46.2	-42.5	-36.8	-34.7	-34.4	-36.8	-39.5	-45.2	-45.0
11	-53.6	-52.7	-54.4	-52.7	-49.7	-44.6	-42.8	-42.0	-44.0	-46.3	-51.0	-50.4
12	-56.3	-55.4	-57.8	-57.6	-55.9	-52.0	-51.0	-49.4	-51.0	-52.5	-55.7	-55.8
13	-57.8	-56.6	-58.3	-60.0	-60.3	-58.6	-58.2	-56.5	-57.3	-58.0	-59.5	-58.8
14	-59.6	-58.8	-60.0	-60.3	-62.1	-63.1	-63.4	-62.7	-62.9	-62.8	-62.5	-62.1
15	-62.0	-61.1	-62.2	-61.9	-62.3	-65.7	-66.7	-67.3	-67.1	-67.0	-65.2	-65.2
16	-64.0	-63.3	-64.0	-63.5	-63.3	-67.4	-68.1	-69.2	-69.3	-69.4	-67.1	-66.6
17	-66.1	-65.0	-65.0	-63.9	-63.8	-67.7	-67.1	-67.6	-69.6	-70.0	-67.6	-67.0
18	--	--	-64.2	-63.5	-62.8	-66.3	-65.1	-65.3	-67.4	-68.4	-66.7	--
19	--	--	--	-61.8	-61.2	-63.8	-62.6	-62.7	-65.4	-66.4	--	--
20	--	--	--	--	--	-60.9	-61.1	-61.0	-63.3	-64.0	--	--
21	--	--	--	--	--	--	--	--	--	--	--	--
22	--	--	--	--	--	--	--	--	--	--	--	--

	Number of Observations											
Surface	93	95	124	120	124	115	131	123	119	123	119	124
5	90	89	118	114	122	113	127	119	113	121	117	118
10	85	75	102	110	112	108	123	112	103	108	106	110
15	59	48	73	82	99	100	114	107	94	97	79	62
18	--	--	30	46	70	70	89	74	68	70	46	--



Elevation: 300 meters, m.s.l. AVERAGE PRESSURES (Mbs.)

ATLANTA, GA.

11

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	985	983	982	983	982	982	983	982	984	984	986	984
0.5	961	959	959	960	960	960	962	960	962	961	963	961
1.0	904	902	903	905	906	906	907	907	908	906	907	904
1.5	850	848	849	852	854	855	857	856	857	854	854	851
2.0	798	797	798	802	804	806	808	807	807	805	803	800
2.5	750	749	750	754	757	760	761	760	761	758	755	752
3.0	704	703	705	709	712	716	717	716	716	713	710	707
4	620	619	621	626	630	634	635	635	634	630	626	623
5	545	543	546	551	555	560	562	561	560	556	551	548
6	477	475	478	483	488	493	495	494	493	489	483	481
7	416	414	417	422	427	432	435	434	433	428	422	420
8	361	359	362	367	372	378	380	380	379	374	367	365
9	312	310	313	318	323	329	331	331	330	325	318	316
10	269	267	269	275	279	286	288	288	286	282	275	273
11	231	230	231	236	240	247	249	249	247	243	236	235
12	197	196	197	202	206	212	214	214	213	209	202	201
13	168	168	168	172	176	181	183	184	182	179	172	169
14	143	143	144	146	149	154	156	156	155	152	147	145
15	122	122	122	125	127	131	133	133	132	129	125	123
16	104	103	104	106	108	111	112	112	112	110	106	105
17	88	88	88	90	92	94	95	95	94	93	90	88
18	--	--	75	77	78	80	81	80	80	78	76	--
19	--	--	--	65	67	68	69	69	68	67	--	--
20	--	--	--	--	--	57	58	59	57	56	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	76	70	74	67	69	80	87	85	78	77	73	76
0.5	72	67	69	61	62	74	79	77	68	65	64	72
1.0	68	64	66	59	59	72	75	75	68	64	59	64
1.5	58	62	63	58	61	73	75	75	71	64	56	56
2.0	49	59	58	56	62	73	74	74	68	56	50	49
2.5	47	56	52	55	60	69	73	71	61	51	45	45
3.0	46	52	48	52	55	66	70	70	55	44	42	42
4	43	46	43	48	47	61	66	64	48	38	38	39
5	40	45	43	45	44	57	60	61	44	35	33	37
6	39	43	42	42	41	54	56	55	40	34	36	35
7	38	42	41	41	40	50	52	51	38	34	36	34
8	38	44	40	40	39	48	50	49	36	34	37	33
9	--	--	41	39	39	47	49	47	31	35	35	33
10	--	--	--	--	--	48	48	48	40	36	--	--

Number of Observations (Relative Humidity)

Surface	93	95	124	120	124	114	131	123	119	124	119	124
5	89	86	117	114	119	112	124	114	110	115	117	114
7	85	82	105	112	112	110	122	113	101	113	109	109
9	--	--	25	49	79	101	116	111	93	87	32	33

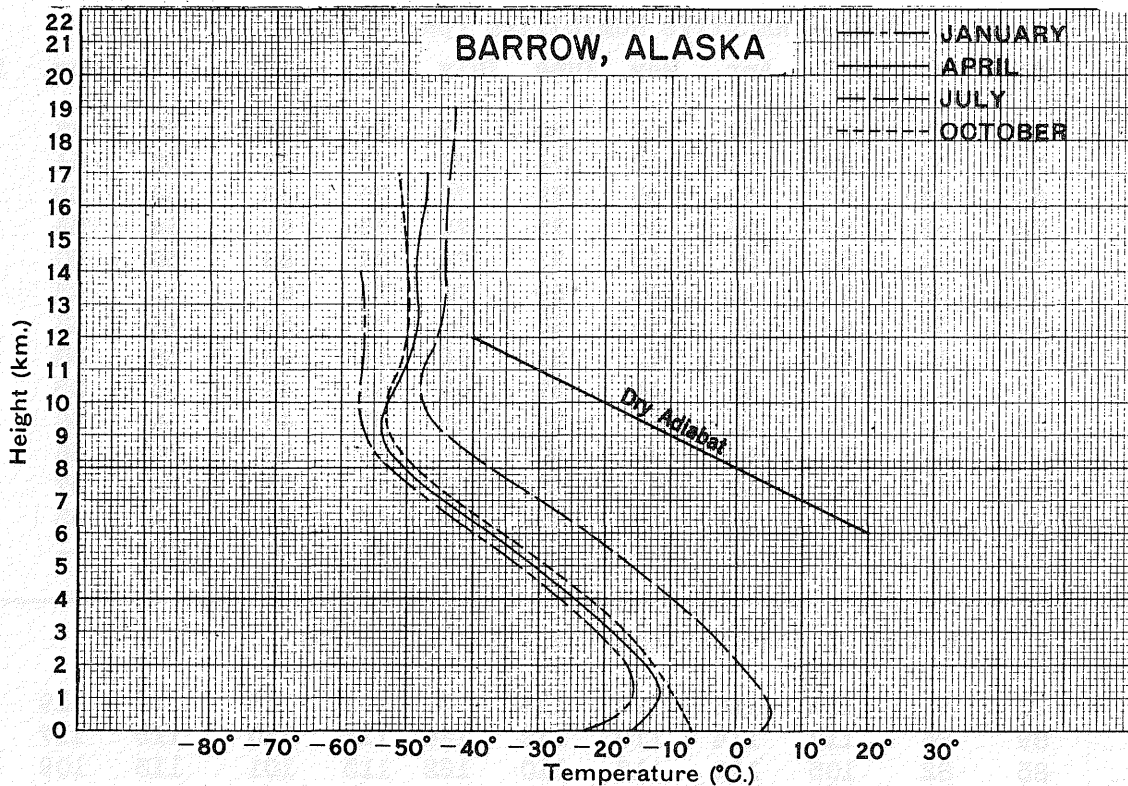
AVERAGE TEMPERATURES °C.

Barrow, Alaska Period of Record: September 1940-December 1942  
 Elevation: 8 meters, m.s.l. March-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-22.5	-23.2	-28.2	-15.8	-4.3	2.1	3.9	3.7	-0.5	-6.8	-12.4	-21.1
0.5	-17.8	-18.7	-23.4	-13.7	-5.5	3.4	5.5	4.1	-2.0	-7.8	-12.3	-18.8
1.0	-15.9	-16.2	-20.9	-11.5	-4.1	3.7	4.7	3.6	-3.1	-9.0	-12.1	-16.9
1.5	-15.6	-16.5	-20.6	-11.9	-5.2	2.1	2.9	1.8	-4.6	-10.3	-13.6	-17.3
2.0	-16.9	-17.8	-21.7	-13.5	-7.6	-0.2	0.7	-0.4	-6.7	-12.2	-15.5	-18.7
2.5	-18.8	-19.8	-23.5	-16.0	-10.3	-2.9	-1.6	-2.7	-9.2	-14.5	-18.1	-20.7
3.0	-21.1	-22.4	-25.7	-18.7	-13.1	-5.8	-4.2	-5.4	-11.4	-17.2	-20.5	-23.3
4	-26.9	-28.1	-31.2	-24.7	-19.2	-11.8	-9.8	-11.0	-17.3	-22.9	-26.7	-29.4
5	-33.4	-34.3	-37.4	-30.8	-25.3	-18.4	-16.2	-17.0	-23.5	-29.0	-32.5	-36.0
6	-40.1	-40.8	-43.5	-37.5	-32.1	-25.2	-23.1	-23.7	-30.2	-35.8	-39.1	-42.5
7	-46.7	-46.7	-48.9	-44.4	-39.1	-32.4	-30.1	-30.6	-37.0	-42.7	-45.6	-48.7
8	-52.4	-50.9	-52.6	-50.5	-46.0	-39.8	-37.3	-37.6	-43.8	-48.9	-51.6	-53.8
9	-56.1	-52.3	-53.3	-53.9	-51.0	-46.3	-44.0	-44.6	-49.5	-52.9	-55.1	-56.5
10	-57.2	-50.4	-51.6	-52.8	-51.4	-50.0	-47.9	-50.0	-52.2	-53.0	-55.2	-57.1
11	-56.8	-48.5	-49.9	-50.4	-49.0	-49.5	-47.9	-50.1	-50.8	-51.1	-54.4	-55.8
12	-56.5	-47.4	-49.3	-48.8	-47.3	-47.2	-45.4	-47.8	-49.6	-50.1	-52.8	-55.0
13	-56.5	-46.9	-49.1	-48.5	-46.5	-45.8	-44.4	-46.5	-48.6	-49.9	-52.0	-54.9
14	-57.2	-46.5	-48.9	-48.4	-46.2	-45.4	-44.2	-46.1	-48.8	-50.0	-52.00	-55.1
15	--	--	-49.1	-48.3	-46.0	-45.2	-44.1	-46.1	-49.1	-50.3	-51.8	-55.6
16	--	--	--	-47.7	-45.8	-44.8	-43.8	-45.8	-49.1	-50.9	-51.8	--
17	--	--	--	-47.1	-45.3	-44.5	-43.6	-45.8	-49.5	-51.6	--	--
18	--	--	--	--	-44.9	-44.1	-43.0	-45.5	--	--	--	--
19	--	--	--	--	-44.6	-43.5	-42.9	--	--	--	--	--

Number of Observations

surface	62	56	71	89	93	89	93	75	73	115	91	69
5	61	56	70	87	91	84	90	71	70	113	91	68
10	55	49	61	82	81	73	83	61	62	100	80	66
15	--	--	25	56	67	59	67	48	41	55	44	34
18	--	--	--	--	55	42	40	32	--	--	--	--



AVERAGE PRESSURES (Mbs.)

Elevation: 8 meters, m.s.l.

BARROW, ALASKA

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1018	1020	1023	1015	1017	1014	1010	1012	1012	1009	1013	1012
0.5	953	954	956	952	955	954	951	952	951	947	950	947
1.0	891	892	893	891	896	897	894	895	893	888	889	885
1.5	834	835	834	835	841	843	841	842	838	832	833	828
2.0	780	781	780	782	789	792	790	791	786	780	780	774
2.5	729	730	728	732	739	744	742	743	737	730	729	724
3.0	682	682	680	684	692	698	697	697	691	683	682	676
4	594	594	591	597	606	614	613	613	606	597	594	589
5	516	516	513	520	530	538	538	538	529	520	517	511
6	447	447	443	451	460	470	470	470	461	452	448	442
7	385	385	381	389	399	408	409	409	400	390	386	380
8	331	331	326	334	344	353	355	355	345	335	331	325
9	283	283	280	286	295	305	307	306	297	288	283	278
10	242	242	240	245	253	262	264	263	255	246	242	238
11	207	208	206	211	217	225	227	226	219	211	207	203
12	176	179	176	181	186	193	195	194	188	181	177	174
13	150	154	152	155	160	166	168	167	161	155	152	148
14	129	133	130	133	138	143	144	143	139	133	130	127
15	--	--	113	115	119	123	124	123	119	114	112	109
16	--	--	--	99	102	106	107	106	102	98	96	--
17	--	--	--	85	88	91	92	92	88	84	--	--
18	--	--	--	--	76	78	79	79	--	--	--	--
19	--	--	--	--	65	68	69	--	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	89	92	93	91	92	89	89	92	90	93	90	86
0.5	87	90	89	87	88	75	79	83	86	90	85	86
1.0	82	85	86	79	76	63	73	75	79	85	76	81
1.5	77	79	82	72	68	58	71	72	74	79	69	78
2.0	74	75	78	67	65	57	69	70	69	74	62	72
2.5	71	72	74	65	62	56	69	70	65	69	59	68
3.0	70	70	71	64	60	56	66	67	64	66	58	66
4	67	67	67	60	58	54	61	61	62	63	56	64
5	61	63	62	58	53	51	58	56	59	62	53	59
6	--	--	--	52	52	47	56	52	56	56	--	--
7	--	--	--	--	47	46	54	50	49	--	--	--

Number of Observations (Relative Humidity)

Surface	61	54	71	89	93	89	93	74	71	113	91	69
5	41	42	37	82	87	80	85	68	66	102	70	37
7	--	--	--	--	37	75	77	61	28	--	--	--

AVERAGE TEMPERATURES °C.

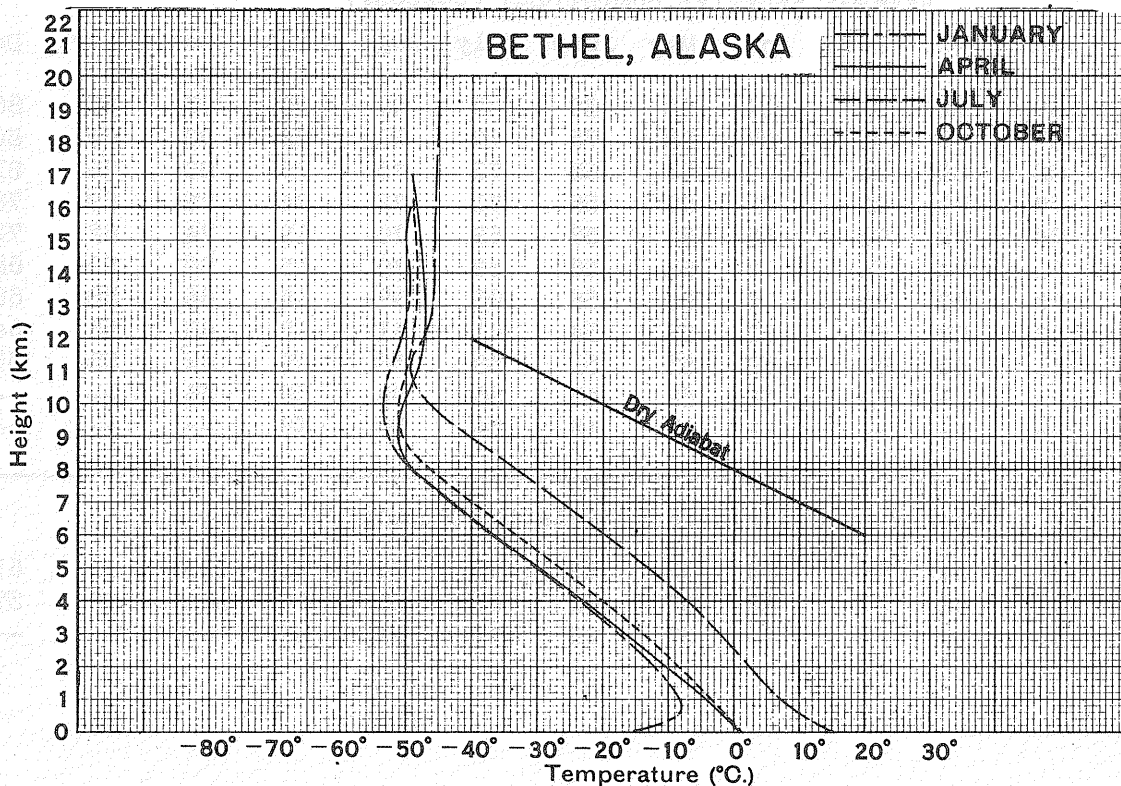
Bethel, Alaska  
Elevation: 8 meters, m.s.l.

Period of Record: October 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-15.1	-7.4	-8.1	0.9	8.2	15.7	15.0	13.4	9.9	0.9	-7.0	-15.4
0.5	-8.5	-5.1	-7.7	-1.5	4.2	11.8	10.9	10.1	7.3	-1.1	-5.4	-10.8
1.0	-8.2	-6.3	-8.7	-4.6	0.8	8.0	7.4	7.2	4.0	-3.6	-6.9	-10.8
1.5	-9.8	-8.3	-10.5	-7.6	-2.3	4.5	5.0	5.1	1.2	-5.9	-9.0	-12.1
2.0	-12.3	-10.9	-13.1	-10.6	-5.2	1.3	2.5	3.1	-1.5	-8.5	-11.1	-14.4
2.5	-14.9	-13.7	-15.9	-13.5	-8.0	-1.6	0.3	0.8	-4.1	-11.4	-13.6	-17.1
3.0	-17.8	-16.9	-18.7	-16.6	-10.8	-4.4	-2.0	-1.7	-7.1	-14.0	-16.5	-20.1
4	-24.0	-22.9	-24.8	-23.1	-16.7	-10.4	-7.2	-6.7	-13.0	-20.3	-22.9	-26.2
5	-30.3	-29.4	-31.1	-29.8	-23.1	-16.8	-13.2	-12.5	-18.9	-26.6	-29.2	-32.7
6	-37.1	-36.4	-37.3	-36.8	-29.7	-23.6	-19.7	-19.2	-25.4	-33.3	-36.0	-39.3
7	-43.5	-42.9	-43.5	-43.3	-36.4	-30.6	-26.5	-26.1	-32.4	-40.1	-42.7	-45.6
8	-49.3	-48.7	-48.5	-48.8	-43.1	-38.0	-33.3	-33.2	-39.7	-46.5	-48.2	-51.1
9	-52.9	-51.8	-51.3	-51.4	-48.3	-44.5	-40.5	-40.1	-45.8	-50.9	-51.3	-53.2
10	-53.5	-51.5	-51.8	-50.2	-50.8	-48.6	-46.6	-46.1	-49.2	-51.5	-52.3	-53.2
11	-52.4	-48.9	-51.2	-48.3	-50.1	-49.0	-49.4	-49.4	-47.9	-50.0	-52.2	-51.8
12	-51.0	-47.9	-49.8	-47.3	-48.8	-46.2	-47.3	-49.7	-47.4	-49.0	-50.9	-50.5
13	-49.8	-46.9	-49.0	-47.1	-48.0	-45.1	-46.1	-48.9	-47.3	-48.4	-50.0	-49.9
14	-49.5	-46.9	-49.1	-47.4	-47.6	-45.3	-45.8	-48.7	-47.6	-48.2	-49.3	-49.9
15	-50.1	-46.7	-49.5	-48.0	-47.4	-45.6	-45.6	-48.6	-48.1	-48.6	-48.9	-49.8
16	-49.3	--	--	-48.6	-47.4	-45.6	-45.6	-48.5	-48.1	-49.1	-48.8	-49.1
17	--	--	--	-49.2	-47.6	-45.4	-45.4	-48.1	-48.1	-49.0	--	--
18	--	--	--	--	-47.7	-44.9	-45.2	-47.7	--	--	--	--
19	--	--	--	--	--	-44.5	-45.1	-47.2	--	--	--	--
20	--	--	--	--	--	-44.3	-45.0	--	--	--	--	--

Number of Observations

Surface	87	83	91	88	93	90	93	93	83	99	106	109
5	84	81	88	85	91	85	90	81	79	94	104	107
10	75	69	76	74	77	77	87	76	70	85	93	96
15	44	31	40	48	57	66	76	64	52	50	46	44
18	--	--	--	--	29	54	53	38	--	--	--	--



AVERAGE PRESSURES (Mbs.)

Elevation: 8 meters, m.s.l.

BETHEL, ALASKA

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1003	1000	1007	1000	1010	1010	1011	1011	1005	1001	1005	1002
0.5	941	939	946	941	951	952	953	953	947	941	944	939
1.0	883	881	887	883	894	897	898	897	891	884	885	880
1.5	827	826	831	829	840	844	845	844	838	829	830	824
2.0	775	775	778	777	788	793	794	794	787	778	778	772
2.5	725	725	728	728	739	745	746	746	739	729	729	722
3.0	679	679	681	681	693	700	701	701	693	683	682	675
4	593	593	595	595	608	615	618	618	609	597	596	589
5	516	517	518	519	531	540	443	543	534	522	519	513
6	448	448	449	450	463	472	475	475	466	453	451	444
7	386	387	387	388	401	410	414	415	405	392	389	383
8	332	333	333	334	347	356	360	360	350	338	335	329
9	285	285	286	287	298	307	312	312	302	290	287	282
10	244	245	245	245	256	264	269	269	259	249	246	241
11	209	210	211	211	220	227	231	231	223	214	211	207
12	179	181	180	182	189	195	198	198	191	183	181	177
13	154	155	155	156	162	168	171	170	164	157	155	152
14	132	133	133	134	139	144	147	146	142	135	134	131
15	114	115	115	115	119	124	126	126	121	116	115	113
16	98	--	--	99	103	107	109	108	104	100	98	97
17	--	--	--	85	88	92	94	93	90	86	--	--
18	--	--	--	--	76	79	81	80	--	--	--	--
19	--	--	--	--	--	68	70	69	--	--	--	--
20	--	--	--	--	--	58	60	--	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	70	78	74	73	67	62	70	80	77	81	82	77
0.5	69	75	71	73	70	63	76	84	80	80	77	77
1.0	66	74	69	74	73	67	81	87	83	79	75	75
1.5	63	72	66	76	76	71	79	84	83	77	72	70
2.0	61	71	65	74	76	72	77	79	81	72	66	66
2.5	58	68	62	72	74	74	72	73	76	68	59	64
3.0	57	66	60	70	69	73	67	68	74	64	58	62
4	55	62	57	67	64	71	60	60	69	62	56	60
5	54	60	56	63	62	65	57	57	67	60	55	56
6	50	61	55	62	57	62	53	54	63	60	53	55
7	--	--	--	--	52	59	52	52	62	--	--	--
8	--	--	--	--	--	54	51	53	--	--	--	--

Number of Observations (Relative Humidity)

Surface	87	83	91	88	92	89	93	83	83	98	106	110
5	70	74	73	76	89	77	90	78	79	92	92	91
7	--	--	--	--	51	75	89	78	61	--	--	--

AVERAGE TEMPERATURES °C.

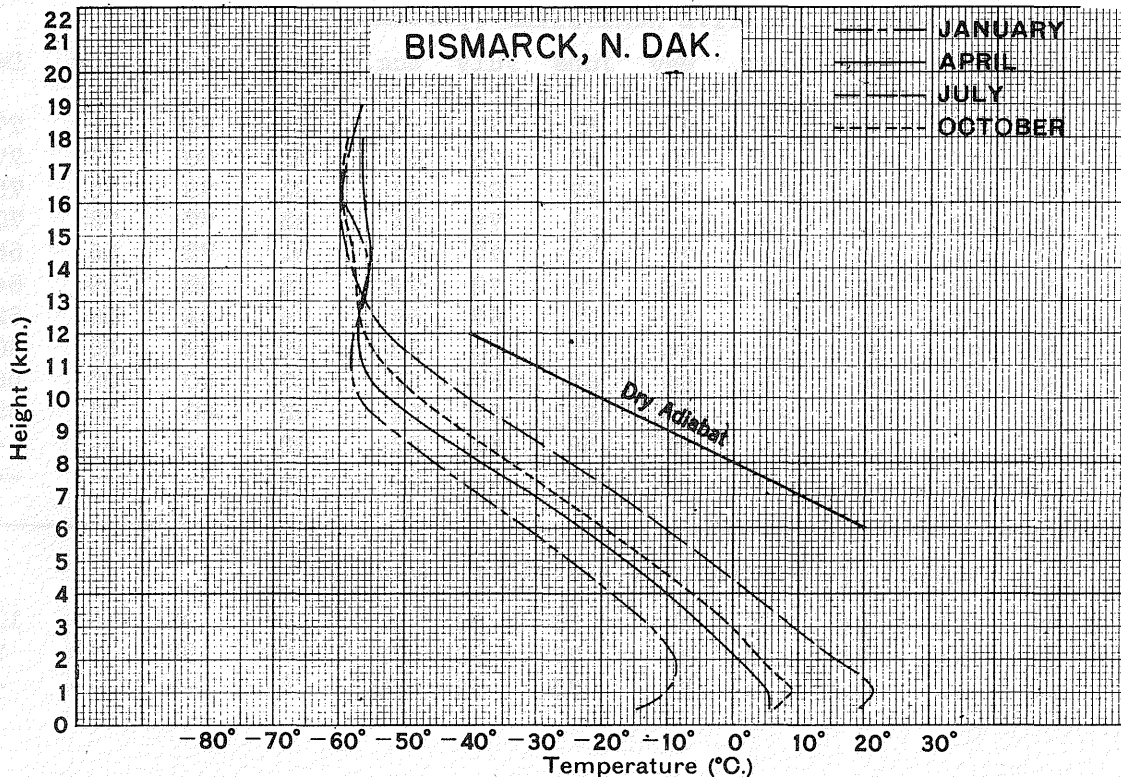
Bismarck, N. Dak.

Period of Record: July 1939-December 1943

Elevation: 505 meters, m.s.l.

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-14.5	-9.6	-4.3	5.5	10.7	15.9	19.8	18.2	12.3	6.4	-2.5	-6.5
1.0	-10.1	-8.3	-4.3	5.3	10.8	16.1	21.5	20.1	14.7	9.0	-0.6	-3.0
1.5	-8.8	-7.5	-5.7	3.1	8.1	13.4	19.8	17.5	12.3	6.8	-0.9	-3.2
2.0	-8.6	-8.1	-7.2	0.7	5.2	10.6	15.6	14.6	9.5	4.4	-2.1	-4.6
2.5	-10.3	-9.9	-9.2	-1.6	1.8	7.8	12.4	11.5	6.7	1.9	-4.0	-6.6
3.0	-12.5	-12.2	-11.4	-4.3	-0.8	4.8	9.2	8.4	3.8	-0.5	-6.4	-9.1
4	-18.3	-17.9	-17.2	-10.1	-6.8	-1.1	2.8	2.1	-2.3	-6.4	-12.5	-14.6
5	-24.8	-24.1	-23.4	-16.6	-13.1	-7.6	-4.0	-4.5	-8.7	-12.8	-18.8	-20.8
6	-31.5	-31.2	-30.0	-23.6	-20.0	-14.1	-10.7	-11.1	-15.4	-19.6	-25.4	-27.6
7	-38.8	-38.8	-37.3	-30.9	-27.4	-21.3	-17.8	-18.1	-22.5	-26.9	-32.5	-34.9
8	-45.6	-45.9	-44.6	-38.4	-35.4	-28.7	-25.1	-25.4	-29.5	-34.4	-39.7	-42.4
9	-51.9	-52.1	-51.2	-45.7	-42.8	-36.4	-32.6	-32.9	-36.9	-41.6	-46.6	-49.1
10	-56.8	-55.8	-56.2	-52.4	-49.4	-43.7	-40.2	-40.2	-44.1	-48.2	-52.7	-53.7
11	-58.2	-55.7	-57.8	-56.4	-54.0	-50.1	-47.2	-46.8	-50.0	-53.2	-55.6	-55.8
12	-57.8	-53.2	-56.4	-57.1	-55.9	-54.4	-52.8	-52.2	-53.9	-56.1	-57.6	-54.9
13	-56.3	-52.3	-55.2	-56.5	-55.5	-56.5	-56.0	-54.9	-56.5	-57.1	-57.5	-54.9
14	-55.6	-52.9	-55.0	-55.4	-54.6	-56.5	-57.9	-57.2	-58.2	-57.7	-57.6	-55.7
15	-57.2	-53.8	-55.3	-55.8	-55.1	-56.6	-59.5	-59.1	-58.9	-58.6	-58.0	-57.0
16	-59.5	-54.5	-56.0	-56.5	-55.9	-57.2	-59.7	-59.9	-59.5	-59.4	-58.6	-57.3
17	--	--	-56.2	-56.7	-56.2	-57.5	-59.0	-59.3	-59.3	-59.5	-59.1	--
18	--	--	--	-56.7	-56.2	-57.0	-58.1	-57.6	-58.4	-58.9	-58.8	--
19	--	--	--	--	--	-56.4	-56.9	-56.3	-57.8	--	--	--
20	--	--	--	--	--	--	--	-55.4	-57.2	--	--	--

	Number of Observations											
Surface	124	112	123	116	123	120	127	154	151	152	148	152
5	121	112	119	114	121	116	125	147	147	145	144	145
10	107	100	106	100	111	104	118	136	135	127	126	116
15	48	59	68	76	86	82	104	116	104	89	101	63
18	--	--	--	37	40	45	67	82	64	44	30	--





AVERAGE PRESSURES (Mbs.)

Elevation: 505 meters, m.s.l.

BISMARCK, N. DAK.

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	960	958	956	955	954	953	955	955	956	955	958	956
1.0	900	899	898	899	900	900	902	902	901	900	901	898
1.5	844	843	842	845	847	848	852	851	849	847	846	843
2.0	790	790	790	794	797	799	803	802	800	796	794	791
2.5	741	741	741	746	749	752	757	756	753	749	746	742
3.0	694	694	695	701	704	708	713	712	708	704	700	696
4	608	608	609	616	620	625	631	630	625	620	615	611
5	531	531	532	541	545	551	557	556	551	545	539	535
6	462	462	463	472	477	484	490	489	483	477	471	466
7	400	400	402	411	416	423	430	429	423	416	409	405
8	345	345	347	356	361	369	375	373	368	361	354	350
9	296	296	298	307	312	320	326	325	319	313	305	301
10	253	254	255	264	269	277	282	282	276	270	262	258
11	216	217	218	226	230	238	243	243	237	231	225	221
12	185	186	186	193	197	204	209	208	203	198	192	189
13	158	159	159	165	168	174	178	178	174	169	164	161
14	135	136	136	141	144	149	152	152	150	144	140	138
15	116	117	116	121	123	127	130	130	127	123	119	118
16	100	100	99	103	105	109	111	111	108	105	102	101
17	--	--	85	88	90	93	94	94	92	89	87	87
18	--	--	--	76	77	79	81	81	79	76	74	--
19	--	--	--	--	--	68	69	69	67	--	--	--
20	--	--	--	--	--	--	--	59	58	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	84	88	84	75	70	76	74	70	71	73	80	82
1.0	83	85	77	69	64	65	58	58	58	62	72	74
1.5	79	79	74	68	64	65	57	57	57	57	66	69
2.0	75	73	70	68	64	63	57	58	56	56	60	65
2.5	73	69	67	68	63	59	56	58	53	54	56	62
3.0	71	67	66	64	61	57	54	55	51	53	53	60
4	69	66	63	60	57	52	50	50	51	51	51	58
5	67	62	60	58	54	47	47	47	49	48	50	58
6	62	60	59	55	51	43	44	42	46	46	49	55
7	53	56	54	54	49	41	41	39	44	44	45	53
8	--	--	--	57	48	38	42	38	43	41	44	--
9	--	--	--	--	--	40	40	37	42	--	--	--
10	--	--	--	--	--	--	--	35	--	--	--	--

Number of Observations (Relative Humidity)

Surface	123	112	123	116	123	120	127	154	150	152	147	150
5	109	109	111	107	120	111	124	143	144	143	138	136
7	55	58	67	99	114	109	117	141	142	133	111	100
9	--	--	--	--	--	44	78	91	69	--	--	--

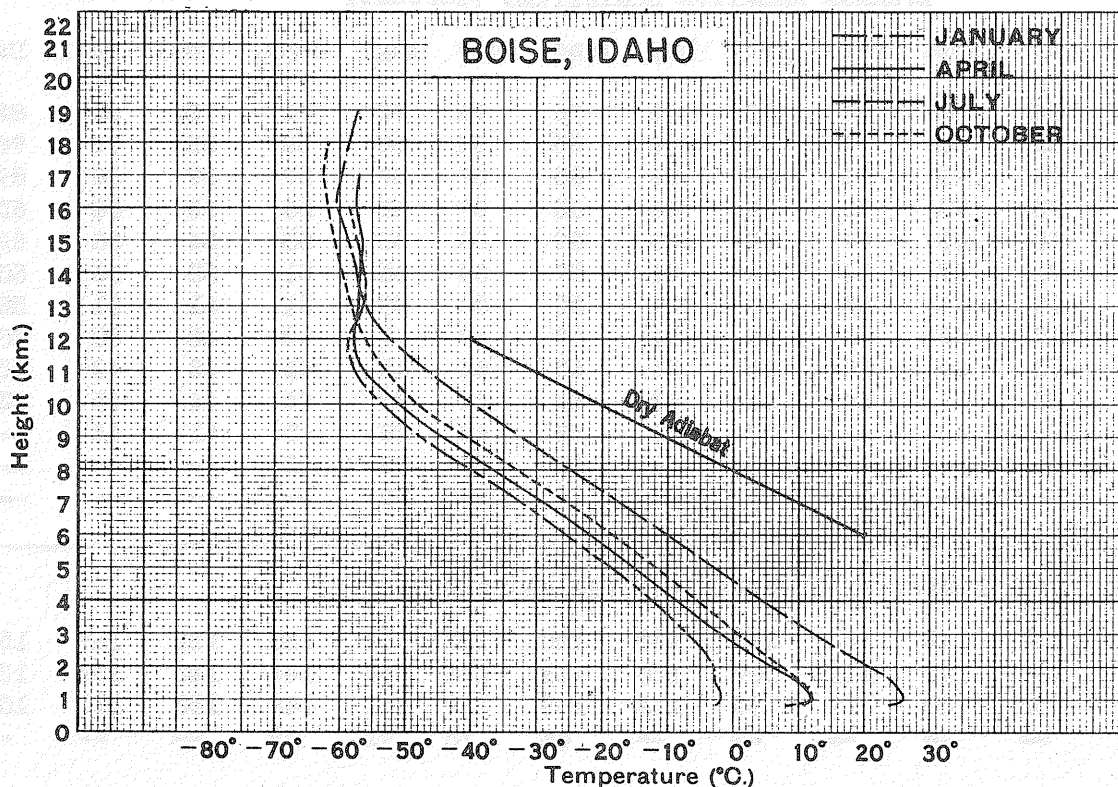
AVERAGE TEMPERATURES °C.

Boise, Idaho  
Elevation: 868 meters, m.s.l.

Period of Record: September 1939-July 1940  
April 1941-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-2.8	1.2	4.8	10.6	15.1	17.4	23.9	22.2	15.6	8.0	2.7	1.2
1.0	-2.0	2.1	6.1	11.8	14.8	19.3	26.0	23.9	18.5	12.0	5.4	2.3
1.5	-2.7	0.3	3.9	9.9	12.9	17.1	24.5	22.7	17.6	10.9	5.2	1.1
2.0	-3.0	-2.6	0.3	6.0	8.9	13.2	20.5	18.8	14.0	7.6	3.0	-0.8
2.5	-4.6	-5.4	-3.4	2.1	5.0	9.3	16.3	14.8	10.3	4.0	0.6	-3.5
3.0	-6.9	-8.3	-6.8	-1.7	1.5	5.7	12.2	10.9	6.7	0.6	-2.4	-6.0
4	-12.5	-14.2	-12.8	-8.6	-5.6	-1.4	4.6	3.1	-0.4	-5.4	-8.5	-11.6
5	-18.8	-20.8	-19.3	-15.1	-12.6	-8.3	-2.9	-4.3	-7.1	-11.7	-14.5	-17.7
6	-25.6	-27.7	-25.9	-21.9	-19.4	-15.2	-10.0	-11.3	-14.0	-18.5	-21.4	-24.4
7	-32.8	-35.1	-33.2	-29.4	-26.5	-22.2	-17.2	-18.4	-21.1	-25.8	-28.6	-31.6
8	-40.1	-42.7	-40.6	-36.7	-33.9	-29.4	-24.8	-25.4	-28.6	-32.8	-35.9	-38.7
9	-47.4	-49.2	-47.6	-44.4	-41.1	-37.0	-32.3	-32.7	-36.1	-41.0	-43.4	-46.4
10	-53.9	-53.7	-54.4	-51.0	-47.8	-43.7	-39.8	-40.0	-43.4	-48.1	-50.4	-51.8
11	-58.0	-55.9	-58.7	-56.1	-53.2	-49.5	-46.8	-46.4	-49.7	-52.9	-55.8	-55.3
12	-58.7	-55.2	-60.1	-57.9	-56.2	-53.2	-52.6	-51.0	-54.1	-56.3	-58.9	-56.9
13	-56.6	-54.3	-58.6	-57.2	-56.7	-54.6	-56.0	-53.9	-56.3	-58.1	-59.8	-56.6
14	-56.4	-54.3	-57.4	-56.5	-56.3	-55.2	-57.3	-56.2	-58.2	-59.5	-60.6	-56.8
15	-57.8	-55.4	-57.4	-56.6	-56.0	-56.0	-59.0	-58.5	-60.0	-60.9	-61.2	-58.2
16	-58.8	-55.9	-58.4	-57.3	-56.7	-56.8	-60.2	-60.0	-60.9	-61.9	-62.0	-59.4
17	--	--	--	-57.0	-56.6	-57.4	-59.9	-60.4	-61.2	-62.7	-62.4	--
18	--	--	--	--	-56.8	-57.8	-58.8	-59.3	-60.8	-61.9	-61.6	--
19	--	--	--	--	--	-56.8	-57.2	-57.7	-60.5	--	-60.6	--

	Number of Observations											
surface	93	83	93	85	114	119	100	92	117	122	117	117
5	88	82	90	84	113	115	99	91	113	118	114	109
10	72	77	82	76	102	102	90	79	95	106	98	84
15	33	42	50	60	79	76	67	44	77	89	71	42
18	--	--	--	--	47	47	44	30	51	39	42	--



AVERAGE PRESSURES (Mbs.)

Elevation: 868 meters, m.s.l.

BOISE, IDAHO

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	921	918	916	913	914	914	914	913	916	918	922	920
1.0	906	903	901	899	900	899	900	899	901	903	906	905
1.5	851	849	848	846	848	848	851	850	850	850	852	850
2.0	799	797	797	796	798	800	803	801	801	800	801	798
2.5	750	748	748	748	751	753	757	755	754	753	753	750
3.0	703	701	702	703	706	708	714	712	710	708	707	703
4	618	616	617	619	623	626	632	630	628	624	623	619
5	542	539	540	544	548	552	558	556	553	549	547	542
6	473	470	472	476	480	484	491	489	486	481	478	473
7	411	408	410	414	418	424	431	429	425	420	417	412
8	356	353	355	359	364	369	376	374	371	365	362	357
9	307	303	305	310	314	320	327	325	321	315	312	308
10	264	260	262	267	271	276	284	282	278	272	269	264
11	225	222	224	228	233	238	244	243	239	233	230	226
12	192	190	191	195	199	204	210	209	205	199	196	193
13	164	162	163	166	170	175	180	179	175	170	167	165
14	140	138	139	142	145	149	153	153	149	145	142	141
15	120	118	119	121	124	128	131	131	127	124	121	120
16	103	101	101	104	106	109	112	112	109	105	103	103
17	--	--	--	89	91	93	95	95	92	90	88	--
18	--	--	--	--	78	80	81	81	79	76	75	--
19	--	--	--	--	--	68	69	69	68	--	64	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	86	79	66	63	60	52	38	41	51	67	80	83
1.0	84	75	61	58	54	47	33	37	44	59	70	78
1.5	80	70	55	53	48	42	28	33	38	53	58	71
2.0	76	70	57	55	49	43	29	34	38	53	54	68
2.5	74	70	60	58	52	46	31	36	40	55	51	67
3.0	71	69	61	62	54	48	33	39	42	56	52	65
4	65	65	61	62	57	51	38	43	44	55	52	62
5	61	60	58	59	55	49	42	44	43	55	51	60
6	58	58	56	54	53	48	43	43	43	51	50	58
7	56	55	55	53	51	49	41	39	40	50	49	57
8	54	--	48	53	52	47	40	38	40	49	48	58
9	--	--	--	--	47	42	40	40	40	44	--	--

Number of Observations (Relative Humidity)

Surface	93	83	92	85	113	119	99	92	114	120	117	117
5	87	80	88	83	112	115	98	90	109	116	113	107
7	74	63	78	79	103	109	93	88	102	109	107	93
9	--	--	--	--	36	58	72	54	54	25	--	--

AVERAGE TEMPERATURES °C.

Brownsville, Tex.

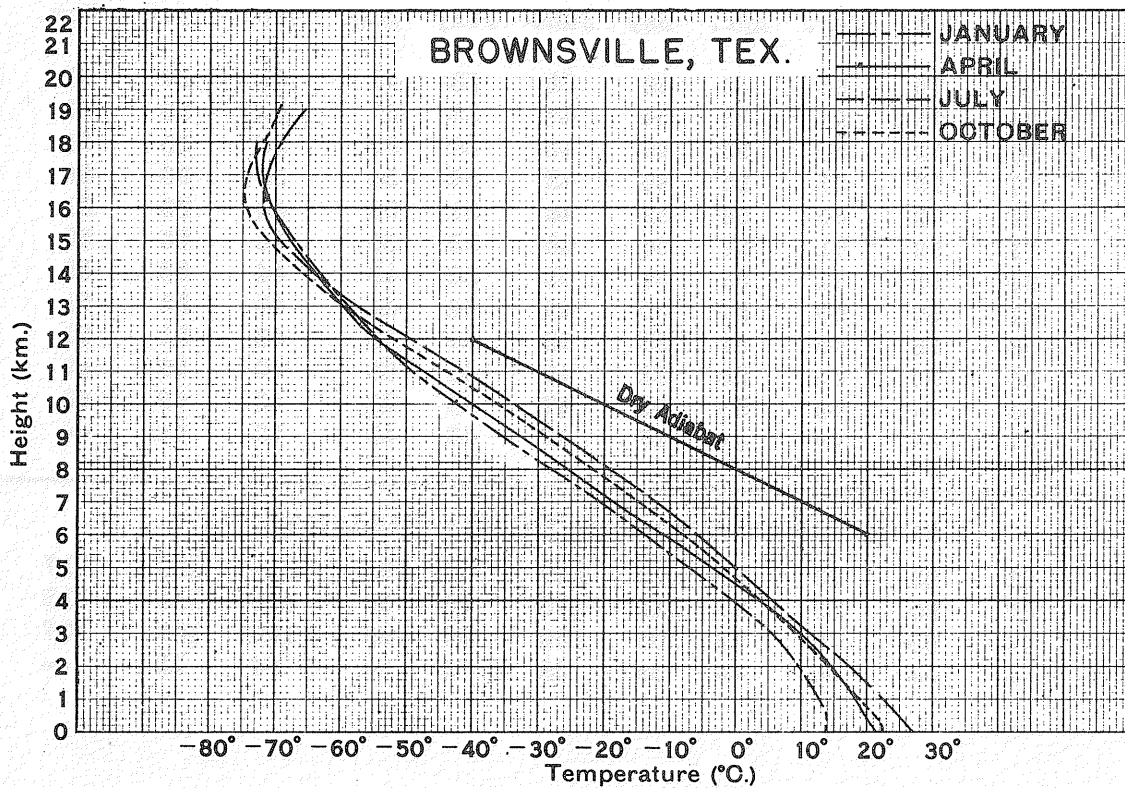
Elevation: 6 meters, m.s.l.

Period of Record: August 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	13.6	15.0	16.4	21.2	24.0	26.3	26.7	26.8	24.8	22.2	18.1	15.8
0.5	13.9	14.4	15.1	19.4	21.8	23.7	24.7	24.4	23.1	21.3	17.6	15.9
1.0	12.5	12.8	13.7	18.3	20.5	22.0	22.5	22.4	20.4	18.5	15.0	14.0
1.5	11.0	11.5	12.7	16.8	18.7	19.8	20.1	20.2	17.9	16.5	12.8	12.4
2.0	9.6	10.0	11.2	14.8	16.4	17.2	17.2	17.5	15.3	14.2	11.1	10.9
2.5	7.7	8.1	9.3	12.5	14.0	14.6	14.3	14.7	12.8	11.7	9.1	9.0
3.0	5.4	5.9	6.8	9.8	11.1	11.6	11.4	12.0	10.2	9.2	6.9	6.4
4	-0.6	0.0	0.8	3.3	4.9	5.7	5.6	6.0	5.0	3.6	1.7	0.6
5	-7.1	-6.5	-6.4	-3.9	-1.8	-0.2	-0.1	0.1	-0.4	-2.0	-4.4	-5.6
6	-14.0	-13.1	-13.4	-11.2	-8.5	-6.5	-6.1	-5.7	-6.1	-8.2	-10.9	-12.4
7	-20.5	-19.9	-20.4	-18.4	-15.5	-13.0	-12.4	-12.1	-12.4	-15.0	-17.8	-19.4
8	-28.2	-26.8	-27.3	-25.6	-22.5	-19.9	-19.3	-19.0	-19.1	-22.0	-25.0	-26.3
9	-35.6	-33.8	-34.6	-32.9	-29.9	-27.1	-26.4	-26.2	-26.2	-29.1	-32.3	-33.6
10	-43.0	-41.0	-41.8	-40.3	-37.2	-34.5	-33.9	-33.8	-33.7	-36.4	-39.8	-41.1
11	-49.3	-47.9	-48.4	-47.6	-44.6	-42.1	-41.8	-41.4	-41.4	-44.3	-47.1	-48.4
12	-54.3	-53.9	-53.7	-54.7	-52.1	-49.5	-49.8	-49.0	-49.1	-52.0	-54.1	-54.5
13	-59.0	-58.2	-58.5	-59.9	-58.7	-56.6	-57.5	-56.4	-56.6	-59.2	-60.3	-60.0
14	-63.4	-62.2	-62.8	-63.9	-64.1	-63.1	-64.6	-63.2	-64.0	-65.9	-65.9	-64.7
15	-67.2	-66.9	-67.3	-67.5	-67.7	-68.4	-69.7	-68.8	-70.3	-71.3	-70.3	-68.8
16	-70.5	-70.8	-71.0	-70.6	-70.8	-72.8	-72.1	-72.2	-73.8	-74.9	-73.3	-70.9
17	-72.8	-73.0	-73.2	-72.1	-72.4	-75.1	-71.1	-71.6	-74.0	-74.3	-74.3	-72.9
18	-73.0	-72.8	-73.2	-71.2	-70.9	-73.2	-68.8	-68.8	-71.0	-71.5	-72.7	-70.5
19	--	--	--	--	-67.7	-69.0	-65.5	-65.5	-67.5	-69.4	-69.7	--
20	--	--	--	--	--	--	--	-62.8	-64.7	--	--	--

Number of Observations

Surface	93	84	93	90	92	89	92	117	121	124	116	123
5	92	82	90	86	89	87	89	110	117	121	113	117
10	86	73	83	77	87	83	81	108	107	112	108	107
15	66	68	68	60	72	70	75	87	96	83	93	71
18	34	37	38	33	41	45	50	66	60	48	51	37



AVERAGE PRESSURES (Mbs.)

Elevation: 6 meters, m.s.l.

BROWNSVILLE, TEX.

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1020	1017	1015	1013	1012	1012	1014	1013	1013	1015	1018	1017
0.5	962	959	958	956	956	957	959	958	957	959	961	960
1.0	907	904	903	903	903	904	906	905	904	905	907	905
1.5	854	852	851	852	852	853	856	854	853	854	855	853
2.0	804	802	802	802	804	804	807	805	804	805	805	803
2.5	757	755	755	756	758	758	761	759	758	758	758	757
3.0	712	711	710	712	714	715	717	716	714	714	714	712
4	629	628	628	631	633	634	635	634	633	632	631	630
5	555	554	554	557	559	560	562	561	560	559	557	555
6	487	486	487	490	492	494	495	495	493	492	490	488
7	426	426	426	429	432	434	436	435	434	432	429	427
8	372	372	372	374	377	380	381	381	379	378	375	373
9	322	323	322	325	328	331	332	332	331	328	326	324
10	279	280	279	282	285	287	289	289	288	286	282	281
11	240	241	241	243	246	249	250	250	249	246	243	242
12	206	206	206	208	211	214	215	215	214	212	209	207
13	175	176	176	178	181	184	184	184	184	181	178	176
14	149	150	150	151	154	156	157	157	156	154	151	150
15	127	127	127	128	131	133	133	133	133	130	128	127
16	107	108	108	109	111	112	112	113	112	110	108	108
17	91	91	91	92	93	95	95	95	94	93	91	91
18	77	77	77	78	78	80	80	80	80	78	77	77
19	--	--	--	--	67	68	68	68	68	66	65	--
20	--	--	--	--	--	--	--	58	59	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	89	88	84	87	88	87	86	85	87	88	86	90
0.5	80	79	78	81	83	84	80	83	84	80	76	81
1.0	74	69	65	60	64	69	64	64	77	71	73	74
1.5	66	60	55	49	52	59	55	56	70	61	67	65
2.0	57	54	48	42	45	53	49	52	64	55	58	56
2.5	51	48	43	36	41	48	47	49	61	52	54	50
3.0	47	45	39	34	39	45	44	48	57	49	49	45
4	42	42	35	33	36	44	45	48	51	45	45	41
5	39	44	34	34	36	44	41	45	49	40	40	39
6	38	44	33	34	34	43	40	40	44	36	37	38
7	38	42	33	35	34	44	38	38	42	35	36	39
8	37	41	37	39	37	45	38	36	41	37	38	37
9	37	43	38	39	35	46	39	38	39	36	37	32
10	--	--	--	--	--	41	41	38	37	35	--	--

Number of Observations (Relative Humidity)

Surface	93	83	93	90	92	89	92	118	121	124	116	123
5	91	81	88	84	88	85	84	109	116	119	113	116
7	90	75	85	77	86	85	80	110	115	116	110	111
9	42	40	37	36	61	77	77	96	81	76	65	46

AVERAGE TEMPERATURES °C.

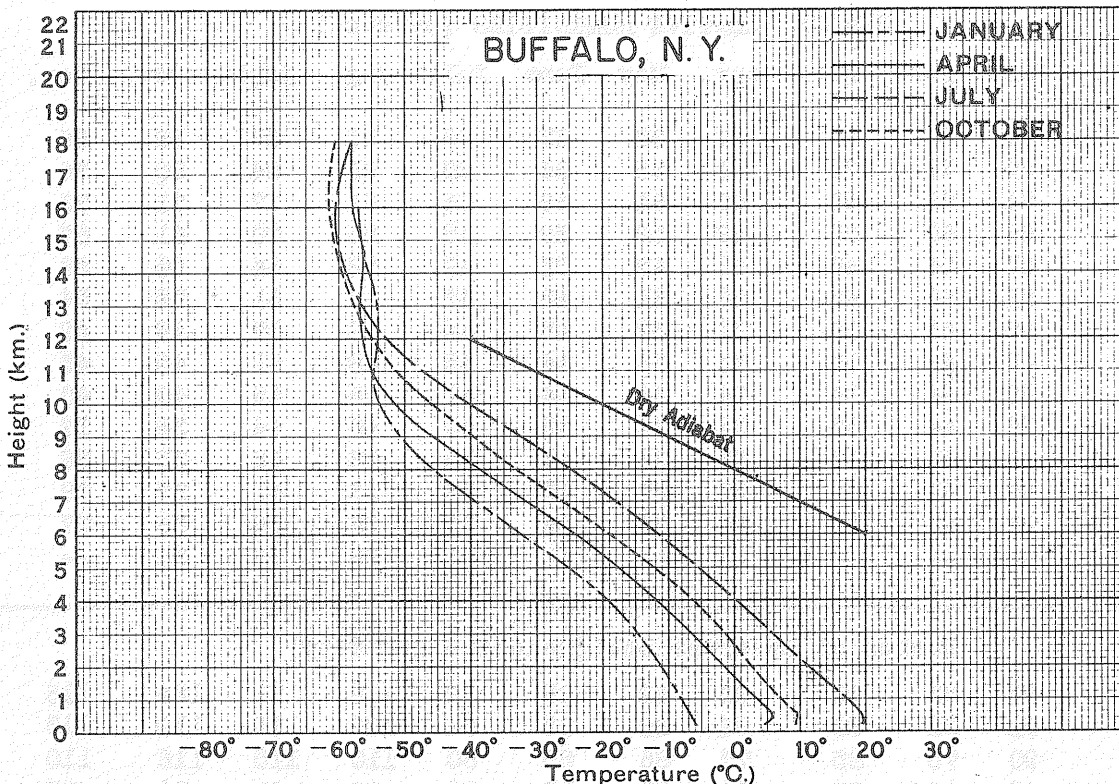
Buffalo, N. Y.

Elevation: 221 meters, m.s.l.

Period of Record: September 1939-July 1940  
January 1941-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-6.0	-5.3	-2.0	4.6	11.2	17.0	19.1	17.8	14.7	9.3	3.2	-1.9
0.5	-6.5	-6.1	-2.4	5.8	12.8	18.1	19.6	18.6	15.4	9.4	2.5	-3.1
1.0	-8.4	-8.2	-4.7	3.5	10.8	16.1	17.2	16.0	13.3	7.3	0.1	-5.3
1.5	-9.8	-9.7	-6.6	0.7	7.8	13.0	13.9	12.9	10.8	4.9	-1.9	-6.8
2.0	-11.2	-10.9	-8.4	-1.8	5.0	10.0	10.9	10.2	8.5	2.8	-3.8	-7.8
2.5	-12.5	-12.8	-10.2	-4.3	2.3	7.5	8.2	7.7	6.2	0.7	-6.1	-9.5
3.0	-14.3	-14.6	-12.2	-6.6	-0.3	5.0	5.7	5.5	4.0	-1.4	-8.3	-11.5
4	-19.7	-19.4	-17.5	-11.9	-5.7	-0.3	0.4	0.6	-1.1	-6.5	-13.2	-16.4
5	-25.6	-25.1	-23.0	-17.9	-11.4	-6.0	-5.3	-5.0	-6.5	-12.2	-18.9	-22.0
6	-32.4	-31.8	-29.7	-24.4	-17.9	-12.1	-11.6	-11.2	-12.9	-18.6	-25.4	-28.2
7	-39.2	-38.5	-36.6	-31.7	-25.2	-18.6	-18.2	-18.1	-19.7	-25.5	-32.1	-34.8
8	-45.6	-44.8	-43.4	-38.9	-32.5	-25.7	-25.3	-25.1	-26.9	-33.1	-38.6	-41.6
9	-50.8	-49.8	-49.5	-45.7	-40.0	-35.0	-32.3	-32.3	-34.2	-39.5	-45.8	-47.2
10	-53.9	-53.4	-53.7	-51.6	-47.0	-40.3	-40.0	-39.3	-41.2	-46.1	-51.4	-51.4
11	-54.8	-53.1	-55.2	-55.0	-52.6	-46.9	-46.6	-45.9	-47.6	-51.5	-54.3	-53.6
12	-54.1	-52.2	-55.0	-56.4	-56.6	-52.8	-52.7	-51.1	-53.2	-55.4	-56.6	-53.7
13	-54.3	-51.5	-54.4	-56.7	-58.3	-57.6	-56.8	-54.8	-57.5	-57.8	-57.8	-55.1
14	-55.6	-52.4	-54.8	-56.3	-58.1	-60.3	-58.9	-58.6	-60.9	-59.5	-58.9	-56.4
15	-56.4	-53.7	-55.5	-56.7	-57.7	-61.0	-60.4	-60.6	-63.0	-61.0	-60.4	-57.9
16	-57.1	-54.4	-56.2	-58.0	-58.2	-61.3	-60.7	-61.6	-64.2	-61.7	-61.2	-58.6
17	--	--	-56.9	-58.1	-58.3	-60.9	-59.6	-60.1	-64.2	-61.4	-61.4	--
18	--	--	--	-58.2	-58.3	-60.2	-58.1	--	-62.7	-60.6	--	--
19	--	--	--	--	--	-58.5	--	--	--	--	--	--

	Number of Observations											
Surface	105	110	123	118	121	119	100	87	119	123	118	123
5	102	104	118	117	115	116	98	97	116	120	108	118
10	80	82	93	111	112	111	91	78	104	97	80	78
15	41	43	72	89	93	94	74	58	68	66	39	35
18	--	--	--	32	51	60	37	--	44	28	--	--



AVERAGE PRESSURES (Mbs.)

Elevation: 221 meters, m.s.l.

BUFFALO, N. Y. 23

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	990	988	989	990	989	989	990	990	992	991	992	989
0.5	956	954	955	957	957	957	958	958	960	958	959	955
1.0	896	894	896	900	901	903	904	904	905	902	901	896
1.5	840	838	841	846	849	851	853	852	853	848	846	841
2.0	787	785	788	794	798	801	803	802	802	798	794	788
2.5	737	736	739	746	751	754	756	755	755	750	745	739
3.0	690	689	692	700	705	710	711	711	710	704	699	693
4	604	603	606	615	622	627	629	628	628	620	613	607
5	527	526	530	539	547	553	555	554	553	546	537	541
6	459	458	462	471	479	486	488	487	486	478	469	463
7	397	396	400	409	419	426	428	427	426	417	408	402
8	342	342	346	355	364	371	373	373	371	362	353	347
9	294	294	297	306	315	323	324	324	322	314	304	300
10	251	252	255	262	272	280	281	281	279	271	262	257
11	215	216	218	225	233	241	242	242	240	233	225	221
12	184	185	186	192	199	207	208	208	206	200	192	189
13	157	158	159	164	170	177	178	178	176	171	164	162
14	134	136	136	140	145	151	152	152	151	145	140	138
15	115	116	117	120	124	128	129	130	128	124	119	118
16	98	100	100	103	106	110	110	111	109	105	102	101
17	--	--	85	88	90	93	94	94	93	90	87	--
18	--	--	--	75	77	79	80	--	79	76	--	--
19	--	--	--	--	--	68	--	--	67	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	82	84	80	76	81	81	80	80	80	80	77	80
0.5	81	83	76	68	70	70	70	70	71	74	74	80
1.0	80	83	74	65	67	66	68	65	67	70	72	80
1.5	77	79	71	65	67	67	70	66	65	69	67	75
2.0	72	76	69	63	67	65	67	61	60	66	64	69
2.5	68	72	66	61	66	59	56	55	54	60	62	64
3.0	64	69	64	59	64	54	53	50	48	54	58	61
4	60	65	59	52	60	48	49	43	45	50	54	58
5	59	62	57	50	54	42	43	38	40	47	49	57
6	56	62	53	47	50	40	39	36	40	44	47	52
7	53	65	49	48	49	37	38	36	38	43	45	52
8	--	--	--	48	49	36	40	35	35	45	--	--
9	--	--	--	--	--	33	39	35	35	--	--	--

Number of Observations (Relative Humidity)

Surface	104	110	123	118	121	119	100	86	119	123	118	122
5	94	97	109	116	115	112	96	81	112	119	104	114
7	29	36	50	101	114	113	95	78	108	104	88	71
9	--	--	--	--	--	51	46	37	51	--	--	--

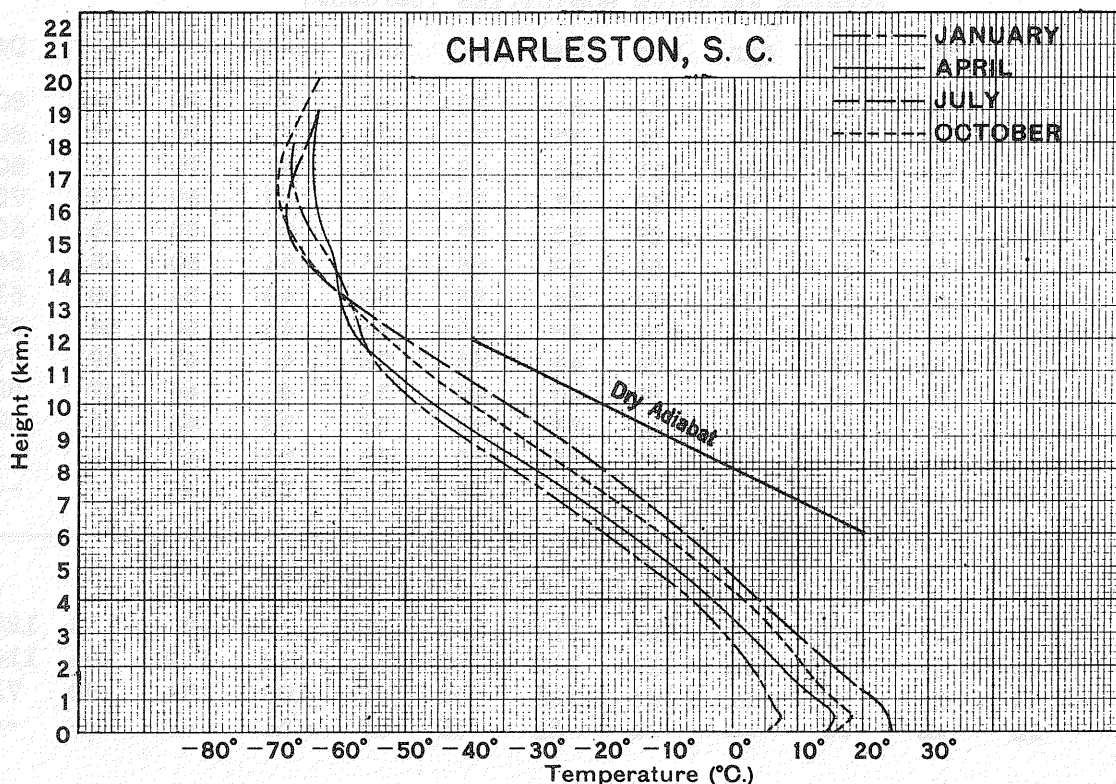
AVERAGE TEMPERATURES °C.

Charleston, S. C.  
Elevation: 14 meters, m.s.l.

Period of Record: July 1939-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	5.5	5.6	10.1	14.5	18.2	23.3	24.4	23.9	21.1	15.9	9.9	8.3
0.5	7.3	7.3	10.9	15.6	19.2	22.8	24.0	23.4	21.5	18.1	12.8	10.0
1.0	5.6	5.0	8.4	12.9	16.6	20.3	21.4	20.9	18.8	15.8	10.6	8.7
1.5	4.3	2.9	5.9	9.9	13.6	17.3	18.5	18.0	15.9	13.0	9.5	7.3
2.0	2.9	1.2	3.9	7.1	10.7	14.3	15.3	15.2	13.3	11.0	6.8	5.7
2.5	0.8	-0.5	1.8	4.7	7.9	11.5	12.3	12.6	11.0	8.7	4.8	4.0
3.0	-1.5	-2.7	-0.6	2.2	5.3	8.7	9.3	9.9	8.6	6.3	2.8	1.7
4	-6.6	-7.8	-5.9	-3.5	-0.3	3.1	3.7	4.5	3.3	1.2	-2.3	-3.6
5	-12.7	-13.7	-12.2	-9.6	-6.4	-2.6	-1.8	-0.8	-2.2	-4.6	-8.2	-9.9
6	-19.6	-20.4	-19.0	-16.2	-12.8	-8.2	-7.3	-6.5	-8.1	-11.0	-14.8	-16.5
7	-26.6	-27.2	-26.3	-23.0	-19.7	-14.6	-13.2	-12.6	-13.4	-18.0	-21.8	-23.2
8	-33.9	-34.3	-33.7	-30.7	-27.1	-21.4	-19.9	-19.3	-21.8	-25.2	-29.2	-30.3
9	-41.2	-41.3	-41.0	-38.4	-34.4	-28.6	-27.1	-26.5	-29.2	-32.7	-36.5	-38.1
10	-48.2	-47.6	-48.1	-46.0	-42.1	-36.3	-34.6	-34.0	-36.7	-40.1	-43.3	-45.2
11	-53.7	-52.1	-54.2	-52.5	-49.8	-44.2	-42.5	-41.8	-44.4	-47.1	-50.3	-52.4
12	-56.5	-55.1	-57.3	-57.3	-56.4	-51.8	-50.3	-49.5	-51.6	-53.1	-55.6	-57.3
13	-58.2	-57.0	-58.5	-59.8	-60.6	-58.6	-57.9	-56.7	-58.1	-58.6	-60.4	-61.2
14	-60.9	-59.5	-60.0	-60.9	-62.0	-63.6	-63.8	-63.4	-63.6	-63.1	-64.1	-63.8
15	-63.8	-61.9	-62.3	-62.1	-63.5	-66.7	-67.6	-67.8	-67.4	-67.2	-67.0	-66.8
16	-66.3	-64.8	-64.3	-63.5	-63.8	-68.1	-68.7	-69.5	-69.2	-69.8	-69.6	-68.6
17	-67.9	-66.1	-65.4	-64.3	-64.0	-67.6	-67.2	-68.1	-69.4	-69.9	-70.2	-69.0
18	-67.4	--	-64.9	-64.0	-63.1	-66.1	-65.0	-65.5	-67.3	-68.1	-69.5	-68.5
19	--	--	--	-63.7	-61.5	-64.2	-63.5	-63.5	-64.9	-65.8	-68.0	--
20	--	--	--	--	--	--	--	-62.1	-62.5	-63.3	--	--

	Number of Observations											
Surface	124	117	124	119	122	120	116	152	149	155	150	151
5	123	106	120	113	118	116	110	149	146	148	142	144
10	110	96	113	101	78	104	99	137	134	131	129	118
15	63	47	82	77	82	90	86	111	103	108	109	76
18	32	--	33	54	57	65	60	75	74	74	61	39





AVERAGE PRESSURES (Mbs.)

Elevation: 14 meters, m.s.l.

CHARLESTON, S. C.

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1019	1016	1016	1016	1016	1015	1015	1014	1016	1016	1020	1018
0.5	960	957	959	960	960	960	961	960	961	960	962	960
1.0	904	901	903	905	906	906	907	906	907	906	906	904
1.5	850	847	850	852	854	855	856	855	855	854	853	851
2.0	799	796	799	802	804	806	807	806	806	804	803	801
2.5	751	748	751	755	757	760	761	760	760	757	755	753
3.0	705	702	706	709	712	715	717	716	715	713	710	708
4	622	619	622	626	630	634	635	634	633	630	627	625
5	546	544	547	551	555	560	561	561	559	556	552	550
6	478	476	479	484	487	493	494	494	493	489	485	482
7	417	415	418	423	427	433	434	434	433	429	424	422
8	362	360	363	368	372	378	380	380	378	374	369	367
9	313	311	314	319	323	329	331	331	329	325	320	318
10	270	269	270	275	280	286	288	288	286	282	277	274
11	232	231	232	237	240	247	249	249	247	243	238	236
12	198	197	198	202	206	212	214	215	212	208	204	202
13	169	168	169	172	175	182	183	184	182	178	174	172
14	144	144	144	147	149	154	156	156	154	152	148	146
15	123	122	123	125	126	131	132	133	131	129	125	124
16	104	104	104	106	108	111	112	112	111	109	107	105
17	88	88	88	90	92	94	95	95	94	92	90	89
18	75	--	75	77	78	80	81	81	79	78	76	76
19	--	--	--	65	66	68	68	69	67	66	65	--
20	--	--	--	--	--	--	--	58	57	56	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	82	79	81	82	89	92	92	93	90	89	87	85
0.5	68	64	68	64	66	77	77	78	73	67	65	71
1.0	64	59	65	60	60	70	73	72	72	63	61	64
1.5	57	56	63	59	58	69	73	71	71	61	59	59
2.0	51	53	59	55	56	66	73	68	65	53	53	52
2.5	47	50	53	51	54	63	70	65	58	46	48	47
3.0	45	49	49	48	51	61	68	63	54	41	43	44
4	42	45	45	44	44	59	64	59	47	34	39	38
5	40	45	41	42	40	55	61	55	43	32	35	38
6	40	45	39	40	38	50	58	50	39	30	34	37
7	39	42	39	39	36	48	55	45	38	30	34	37
8	41	44	39	36	34	44	52	43	37	28	35	40
9	--	--	--	36	37	42	52	42	38	27	40	45
10	--	--	--	--	--	42	52	45	26	--	--	--

Number of Observations (Relative Humidity)

Surface	124	112	124	119	121	120	115	152	149	154	150	150
5	116	103	118	107	114	114	107	145	137	141	138	139
7	104	95	112	104	111	107	103	143	133	137	131	129
9	--	--	--	26	37	82	93	120	106	89	45	32

AVERAGE TEMPERATURES °C.

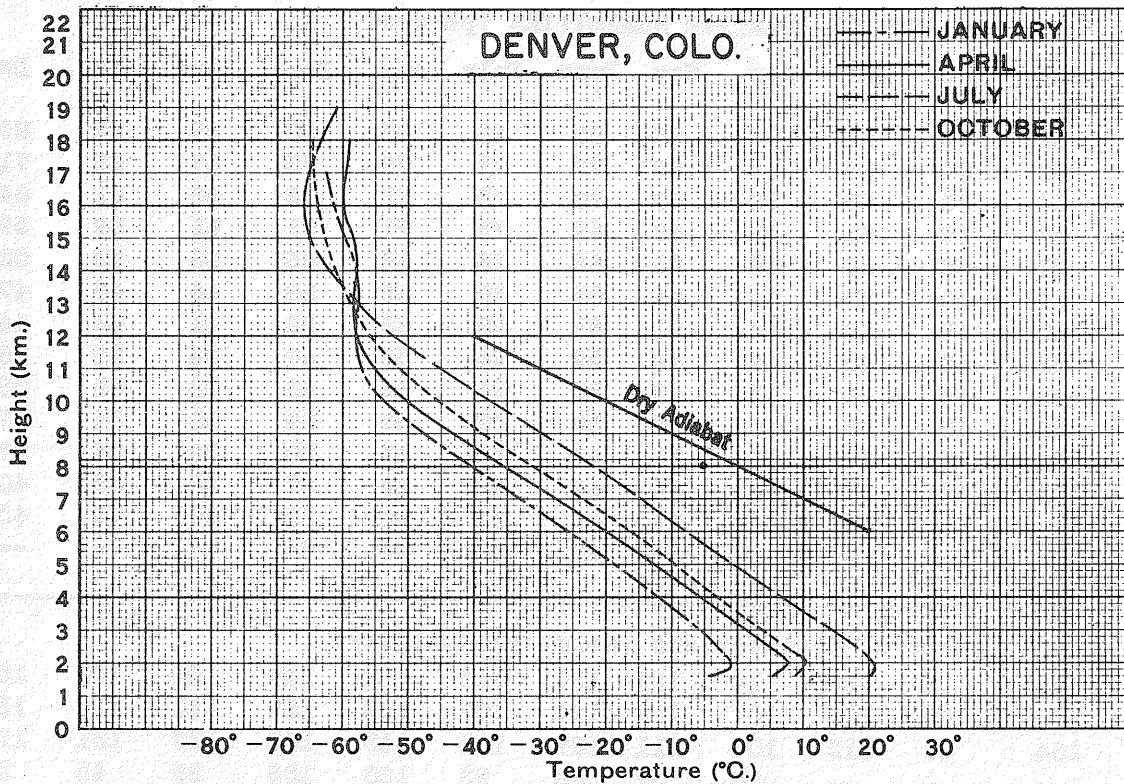
Denver, Colo.

Elevation: 1,616 meters, m.s.l.

Period of Record: July 1939-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-4.4	-2.0	1.0	5.0	11.4	16.6	20.1	19.2	14.8	8.9	0.7	-1.6
2.0	-1.1	-0.1	1.9	7.8	11.4	16.6	20.8	19.8	16.1	10.4	5.0	-0.6
2.5	-3.2	-2.4	-0.9	4.6	8.4	13.7	18.0	17.0	13.2	7.4	2.8	-1.3
3.0	-5.9	-5.5	-4.4	1.3	5.2	10.3	14.5	13.6	9.9	3.9	-0.4	-3.0
4	-12.2	-12.2	-11.4	-5.8	-1.7	3.2	6.6	6.2	2.9	-3.0	-7.3	-9.2
5	-18.6	-19.0	-18.1	-13.1	-9.1	-4.4	-1.1	-1.4	-4.4	-9.9	-13.7	-15.7
6	-25.5	-25.9	-25.1	-20.1	-16.3	-11.8	-8.2	-8.3	-10.9	-16.6	-20.5	-22.6
7	-32.7	-33.3	-32.6	-27.4	-23.5	-18.8	-14.9	-14.7	-17.7	-23.8	-27.9	-30.0
8	-40.4	-41.0	-40.3	-35.3	-31.0	-26.1	-22.0	-21.6	-24.9	-31.3	-35.5	-37.8
9	-47.8	-47.8	-47.6	-43.2	-38.7	-33.6	-29.5	-29.0	-32.4	-39.1	-43.3	-45.2
10	-54.1	-52.9	-54.0	-50.3	-46.0	-41.3	-37.1	-36.7	-40.1	-45.6	-50.2	-51.6
11	-57.5	-55.7	-58.1	-55.3	-52.7	-48.4	-45.0	-44.3	-47.7	-51.6	-55.5	-55.3
12	-58.0	-54.7	-58.6	-58.1	-56.8	-54.2	-52.1	-51.2	-53.2	-56.0	-58.5	-57.0
13	-57.5	-55.6	-57.3	-58.5	-59.6	-57.8	-57.8	-57.3	-57.7	-58.9	-60.0	-57.7
14	-58.0	-55.8	-57.3	-57.9	-59.4	-59.9	-62.1	-62.3	-61.5	-61.3	-61.3	-59.1
15	-59.7	-58.0	-58.0	-58.4	-59.5	-61.6	-65.1	-65.3	-64.5	-62.7	-63.1	-60.5
16	-61.4	-59.6	-59.9	-60.0	-59.9	-62.7	-66.0	-66.6	-66.1	-63.9	-64.0	-62.2
17	-62.3	-60.7	-59.5	-59.4	-59.5	-62.3	-65.3	-66.4	-66.0	-64.4	-64.4	-62.7
18	--	-60.8	-59.7	-59.1	-59.4	-60.9	-63.3	-62.7	-64.7	-64.6	-64.0	--
19	--	--	--	--	-58.9	-59.4	-61.0	-60.4	-62.5	--	--	--
20	--	--	--	--	--	--	--	-59.0	-60.8	--	--	--

	Number of Observations											
Surface	124	113	124	120	121	119	122	153	149	153	148	154
5	123	111	123	119	120	118	121	149	146	148	144	153
10	109	89	114	109	110	108	115	143	132	130	129	119
15	71	64	83	78	83	83	93	120	104	88	82	78
18	--	25	27	32	51	48	55	88	67	42	42	--



AVERAGE PRESSURES (Mbs.)

Elevation: 1,616 meters, m.s.l.

DENVER, COLO.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	838	836	835	835	837	838	841	840	840	839	840	837
2.0	798	796	796	797	799	801	804	804	803	801	801	798
2.5	749	748	748	750	752	755	759	758	756	754	753	750
3.0	703	702	702	705	708	711	716	714	712	709	707	704
4	618	617	618	622	625	629	635	634	631	626	623	620
5	541	541	542	546	551	556	561	560	557	551	548	544
6	473	472	473	478	483	489	495	493	490	483	479	476
7	411	410	411	417	422	428	434	433	429	422	418	414
8	356	355	356	362	368	374	380	379	375	367	363	359
9	306	305	306	313	318	324	330	330	326	318	313	310
10	263	262	263	269	275	281	287	286	282	274	269	266
11	225	224	224	230	236	242	247	247	243	236	230	228
12	192	191	191	197	202	208	213	213	209	202	197	194
13	164	164	163	168	172	178	182	182	178	172	168	166
14	140	140	139	143	146	151	155	155	152	148	143	142
15	119	120	119	122	124	129	132	132	129	125	122	121
16	102	102	102	104	106	110	112	112	110	106	104	103
17	87	87	87	89	91	93	95	95	93	90	88	88
18	--	75	74	76	77	79	81	80	79	77	75	--
19	--	--	--	--	66	68	69	69	67	66	--	--
20	--	--	--	--	--	--	--	58	57	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	69	58	65	64	66	62	56	59	60	60	63	65
2.0	63	63	59	58	58	54	47	51	53	53	53	57
2.5	58	59	56	57	57	52	45	50	52	51	49	52
3.0	56	56	56	58	58	53	46	50	53	51	47	51
4	56	55	57	61	59	56	55	57	57	51	48	50
5	57	55	56	63	59	57	64	63	60	51	47	49
6	54	50	54	58	57	56	65	64	55	49	39	47
7	49	47	53	53	53	51	58	57	49	47	41	46
8	47	--	--	53	50	50	56	52	48	46	40	39
9	--	--	--	--	48	49	55	50	46	45	--	--
10	--	--	--	--	--	--	55	49	48	--	--	--

Number of Observations (Relative Humidity)

Surface	121	112	122	120	121	119	122	153	148	151	147	153
5	118	108	117	113	118	116	118	147	143	146	137	146
7	90	78	99	108	116	112	115	145	131	136	126	130
9	--	--	--	--	45	68	92	124	84	34	--	--

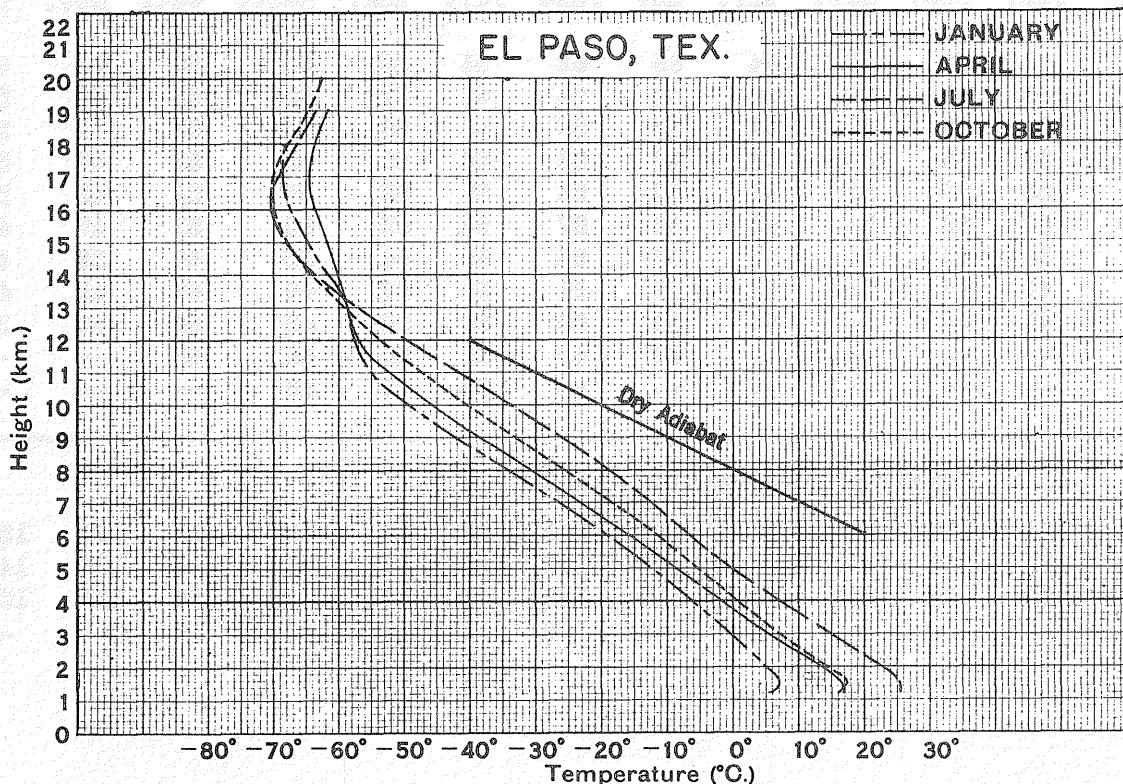
AVERAGE TEMPERATURES °C.

El Paso, Texas  
Elevation: 1,195 meters, m.s.l.

Period of Record: July 1939-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	5.7	9.1	12.2	16.7	22.4	25.6	25.5	24.7	22.0	16.0	9.4	6.7
1.5	7.2	10.1	12.9	15.9	21.4	25.3	25.4	24.7	22.4	17.6	11.5	9.1
2.0	5.0	7.0	9.5	13.5	19.0	22.1	22.5	21.9	19.4	14.5	9.1	6.8
2.5	2.7	3.6	5.9	9.6	15.1	18.3	18.7	18.1	15.8	10.9	6.2	4.3
3.0	-0.5	0.5	2.2	5.7	11.0	14.4	14.8	14.1	12.0	7.3	2.4	1.6
4	-6.1	-6.0	-4.9	-1.7	3.0	6.3	6.8	6.6	4.8	0.8	-2.1	-4.0
5	-12.5	-12.4	-11.9	-8.9	-4.8	-1.4	-0.7	-0.3	-1.6	-5.4	-8.4	-10.5
6	-19.5	-19.2	-18.7	-16.1	-12.0	-8.3	-6.7	-6.2	-7.2	-11.9	-15.2	-17.5
7	-26.8	-26.4	-25.9	-23.3	-19.2	-14.9	-12.6	-11.9	-13.5	-18.9	-22.3	-24.8
8	-34.3	-33.6	-33.4	-30.9	-26.6	-21.8	-19.0	-18.4	-20.5	-25.9	-29.7	-32.1
9	-42.1	-40.7	-40.8	-38.4	-34.1	-29.2	-26.1	-25.4	-27.7	-33.2	-37.0	-39.2
10	-49.3	-47.2	-47.8	-45.7	-41.6	-36.9	-33.8	-33.0	-35.2	-40.5	-44.4	-46.4
11	-55.3	-52.4	-54.0	-52.3	-48.8	-44.6	-41.7	-40.9	-42.7	-47.4	-51.6	-52.4
12	-57.7	-55.7	-57.6	-57.0	-55.2	-51.5	-49.7	-48.8	-49.8	-53.5	-57.3	-56.6
13	-58.8	-57.9	-58.8	-58.9	-60.3	-57.0	-57.3	-56.6	-56.7	-59.1	-61.0	-59.6
14	-61.9	-60.0	-59.9	-60.1	-62.7	-61.3	-63.8	-63.6	-63.2	-64.0	-64.1	-62.9
15	-64.8	-63.1	-62.5	-61.8	-63.3	-64.7	-68.5	-69.3	-68.7	-68.0	-66.9	-65.1
16	-67.7	-66.0	-65.0	-63.7	-64.6	-67.5	-70.7	-71.6	-71.8	-70.3	-68.4	-67.9
17	-68.9	-67.5	-66.0	-64.6	-65.5	-68.2	-69.2	-69.8	-71.4	-70.3	-68.5	-67.8
18	-68.1	-66.8	-65.8	-63.3	-64.9	-66.7	-66.1	-66.5	-68.5	-67.8	-67.7	-67.0
19	--	--	--	-61.3	--	-64.5	-63.5	-63.7	-65.2	-64.4	-65.7	--
20	--	--	--	--	--	--	--	-61.6	-62.0	-62.9	--	--

	Number of Observations											
Surface	124	113	123	119	124	120	133	144	150	155	144	155
5	122	111	118	118	120	119	133	142	148	150	139	153
10	101	101	116	111	112	114	114	139	138	133	122	124
15	71	75	103	94	87	107	106	133	126	110	107	96
18	31	27	50	45	37	69	72	97	94	74	65	42



AVERAGE PRESSURES (Mbs.)

Elevation: 1,195 meters, m.s.l.

EL PASO, TEX.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	885	882	880	879	879	879	883	882	882	883	885	884
1.5	852	850	849	848	849	849	853	852	852	852	853	852
2.0	802	800	799	799	801	802	805	804	804	803	803	801
2.5	754	752	752	753	755	756	760	759	758	757	756	754
3.0	708	707	707	708	711	713	716	715	714	712	711	709
4	624	623	624	626	630	633	636	635	633	630	628	625
5	549	548	549	551	556	559	562	561	560	556	553	550
6	480	480	481	484	489	493	496	495	493	488	485	482
7	419	419	420	423	428	433	436	435	433	428	424	421
8	364	364	364	368	374	378	381	381	379	374	370	366
9	315	315	315	319	324	329	333	332	330	324	320	317
10	271	271	272	275	281	286	289	289	287	281	277	273
11	232	233	233	236	242	247	250	250	248	242	238	235
12	199	199	199	202	207	212	215	216	213	208	203	201
13	170	170	170	173	176	181	184	185	183	178	173	171
14	145	145	145	147	150	155	157	157	156	151	147	146
15	123	123	123	125	128	131	133	133	132	128	125	124
16	104	105	105	106	108	111	113	113	112	109	106	105
17	88	89	89	90	92	94	95	95	94	92	90	89
18	75	75	76	77	78	79	80	80	79	78	76	75
19	--	--	--	65	--	68	68	68	68	66	65	--
20	--	--	--	--	--	--	--	58	57	56	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	57	44	36	32	29	34	47	53	52	51	54	61
1.5	55	44	35	31	28	34	43	49	48	45	50	51
2.0	52	43	35	31	27	33	43	49	49	44	48	48
2.5	51	43	34	32	27	34	46	53	52	46	47	45
3.0	49	44	34	33	28	36	51	59	54	48	46	42
4	44	43	35	36	31	43	61	67	61	47	42	39
5	42	40	34	37	34	46	68	68	60	41	38	35
6	40	37	32	34	34	46	65	61	52	37	35	36
7	39	37	31	33	32	40	57	53	45	39	35	35
8	38	35	29	30	32	37	53	48	44	37	34	33
9	--	--	--	--	27	38	52	51	43	38	34	--
10	--	--	--	--	--	--	53	52	45	--	--	--

Number of Observations (Relative Humidity)

Surface	124	113	123	120	124	120	133	143	150	155	144	155
5	117	110	117	116	119	117	132	138	144	149	136	150
7	107	106	116	113	116	115	116	137	135	124	108	139
9	--	--	--	--	49	71	104	104	106	82	42	--

AVERAGE TEMPERATURES °C.

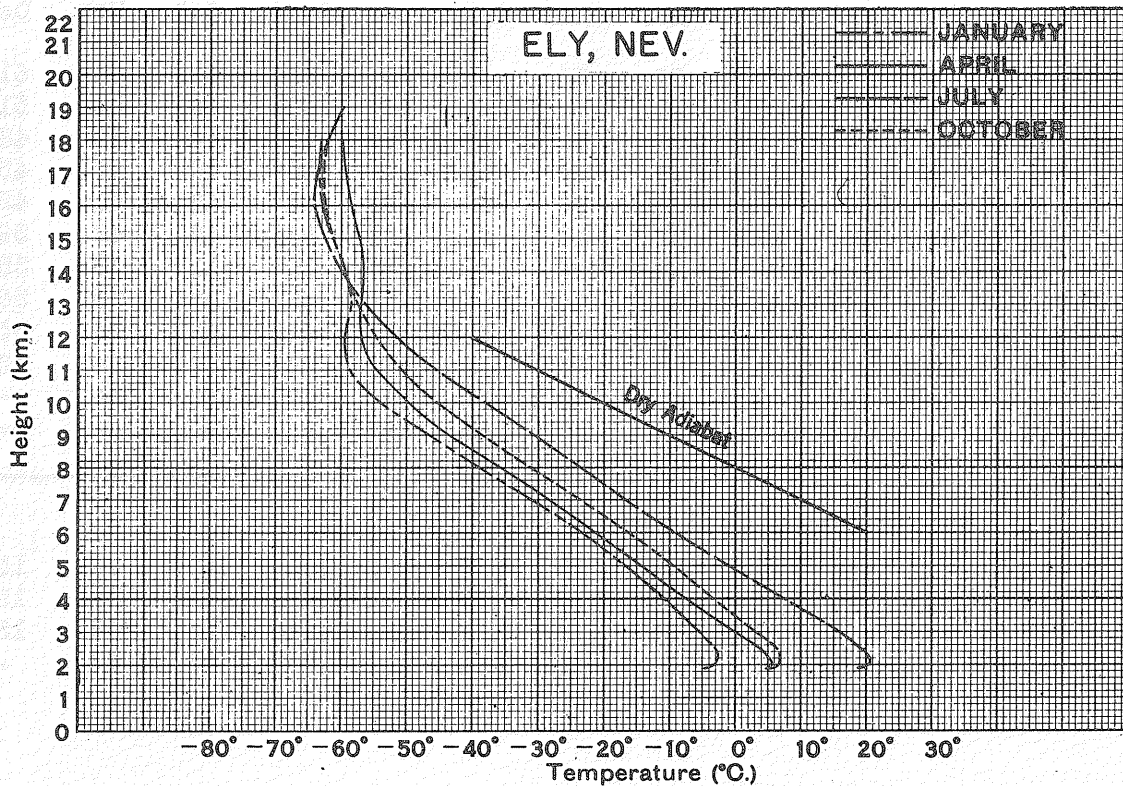
Ely, Nev.

Elevation: 1,908 meters, m.s.l.

Period of Record: July 1939-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-4.9	-2.2	0.5	4.6	9.6	13.9	18.9	16.7	11.9	5.0	-1.2	-3.1
2.0	-3.2	-1.5	1.5	5.6	10.9	15.6	20.7	18.6	13.7	6.8	1.2	-1.3
2.5	-3.1	-3.1	0.0	3.8	9.0	14.0	19.7	18.2	13.0	6.4	2.2	-1.3
3.0	-5.5	-6.2	-3.2	-0.1	5.0	10.0	15.9	14.3	9.2	3.0	-0.4	-3.9
4	-10.8	-11.9	-10.4	-7.5	-2.9	1.8	7.3	6.0	1.4	-3.5	-6.1	-9.3
5	-17.0	-18.6	-16.5	-14.6	-10.3	-6.1	-1.2	-2.3	-5.4	-9.7	-12.2	-15.3
6	-23.7	-25.7	-23.5	-21.3	-17.1	-13.6	-9.5	-9.8	-12.0	-16.7	-19.3	-22.6
7	-31.3	-33.0	-31.1	-28.7	-24.0	-20.3	-16.2	-16.0	-19.1	-23.8	-26.5	-30.1
8	-39.1	-40.4	-38.8	-36.2	-31.2	-27.9	-23.3	-23.0	-26.8	-31.3	-34.0	-37.5
9	-47.1	-47.3	-46.1	-43.6	-38.9	-35.6	-30.8	-30.6	-34.4	-38.7	-41.4	-44.4
10	-54.0	-52.9	-52.8	-49.9	-46.2	-42.7	-38.3	-38.2	-41.7	-45.6	-48.4	-50.4
11	-58.9	-56.1	-57.7	-54.5	-52.5	-48.9	-45.5	-45.4	-48.0	-51.0	-54.7	-54.9
12	-59.4	-55.9	-59.5	-57.0	-56.7	-53.9	-51.6	-51.5	-52.9	-54.9	-58.6	-57.1
13	-58.3	-55.8	-58.7	-57.0	-58.9	-57.0	-56.3	-56.8	-56.4	-57.5	-60.2	-58.2
14	-59.2	-57.0	-58.1	-56.7	-59.0	-58.3	-60.0	-61.1	-59.0	-59.6	-61.3	-59.6
15	-61.1	-58.9	-59.0	-57.3	-58.7	-59.7	-62.8	-64.0	-61.3	-61.3	-62.0	-61.7
16	-63.1	-60.5	-60.0	-58.6	-59.1	-60.8	-64.3	-64.4	-62.6	-62.5	-64.2	-63.5
17	-63.5	-61.6	-60.5	-59.3	-59.6	-61.3	-63.7	-63.2	-62.8	-62.7	-64.3	-63.6
18	-63.2	-62.3	-60.5	-59.9	-59.4	-60.6	-61.7	-60.4	-61.8	-62.2	-62.6	--
19	--	--	--	--	--	-59.9	-59.7	-58.6	-60.9	--	--	--
20	--	--	--	--	--	--	--	-56.4	-59.3	--	--	--

	Number of Observations											
Surface	123	112	121	120	124	120	108	146	151	150	150	155
5	122	111	121	117	119	119	107	144	148	148	148	154
10	111	106	108	108	101	108	102	137	142	130	133	139
15	86	75	96	93	79	84	83	122	112	106	104	109
18	26	30	42	45	41	61	53	90	76	48	28	--



AVERAGE PRESSURES (Mbs.)

Elevation: 1,908 meters, m.s.l.

ELY, NEV.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	810	808	807	806	808	808	812	811	810	810	812	810
2.0	801	799	799	797	799	800	803	802	801	801	803	800
2.5	752	750	750	750	752	754	758	757	755	754	755	752
3.0	706	704	705	705	708	710	714	714	711	709	709	706
4	621	618	620	621	625	628	634	633	629	626	625	621
5	544	542	544	546	551	554	561	559	555	551	549	545
6	475	473	475	477	483	487	494	492	488	483	481	476
7	414	411	413	416	422	426	433	432	428	422	420	415
8	358	356	358	361	367	372	378	377	373	368	365	360
9	309	307	309	312	318	322	329	328	324	318	315	310
10	265	263	265	268	274	279	285	285	280	275	272	267
11	227	226	227	230	236	240	246	246	241	236	233	229
12	193	192	194	196	202	206	212	211	207	202	199	196
13	165	165	165	168	172	176	181	181	177	172	170	167
14	140	140	141	143	147	150	155	154	151	147	144	142
15	119	120	120	122	125	128	131	131	129	125	123	121
16	102	102	102	104	107	109	112	111	110	107	105	103
17	86	87	87	89	91	93	95	94	93	91	89	88
18	74	74	74	76	78	79	81	81	79	77	75	--
19	--	--	--	--	--	68	69	70	68	--	--	--
20	--	--	--	--	--	--	--	59	58	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	81	81	71	68	47	40	37	40	47	62	67	74
2.0	78	79	67	65	45	38	35	37	45	58	64	72
2.5	72	74	62	60	42	37	32	34	42	52	56	67
3.0	69	73	62	60	43	37	32	34	42	52	53	65
4	64	67	59	59	47	40	35	37	45	51	49	61
5	59	61	55	58	50	42	42	45	44	48	45	56
6	57	59	53	56	49	42	46	50	41	44	43	53
7	53	55	49	53	46	41	46	47	38	42	41	51
8	49	50	45	48	43	38	43	44	37	38	40	46
9	--	--	--	--	43	32	44	42	36	36	--	--
10	--	--	--	--	--	--	38	48	39	--	--	--

Number of Observations (Relative Humidity)

Surface	123	112	121	120	123	119	108	146	151	148	148	153
5	121	109	119	113	117	117	107	141	147	145	143	149
7	104	87	103	103	107	115	106	139	144	138	127	122
9	--	--	--	--	31	72	92	124	110	54	--	--

AVERAGE TEMPERATURES °C.

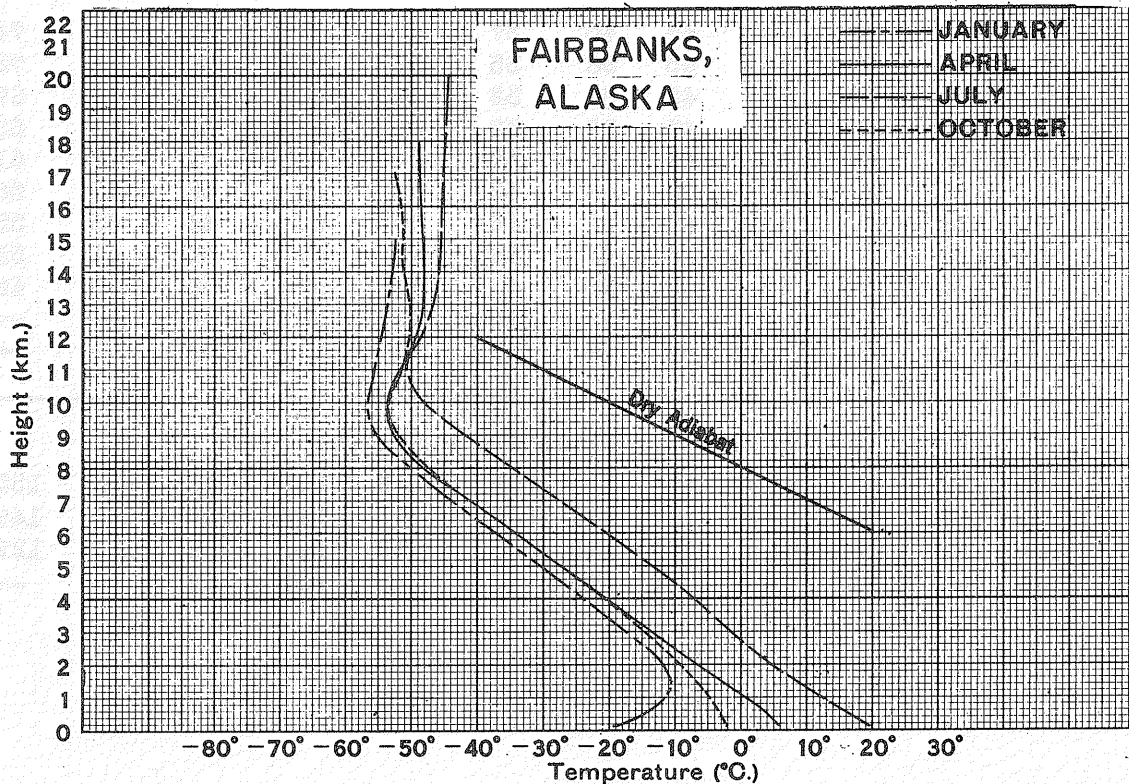
Fairbanks, Alaska  
Elevation: 134 meters, m.s.l.

Period of Record: September 1939-July 1940  
November 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-19.4	-10.1	-7.9	5.9	13.8	19.8	19.5	16.7	9.8	-2.1	-15.3	-19.1
0.5	-14.5	-7.7	-8.8	4.0	10.9	16.8	16.5	13.8	7.8	-3.0	-13.0	-14.0
1.0	-11.6	-7.4	-10.8	0.4	6.7	12.7	12.4	9.8	4.2	-4.8	-12.0	-12.3
1.5	-10.5	-8.2	-12.0	-3.2	2.6	8.5	8.4	6.2	0.8	-6.9	-12.2	-11.8
2.0	-12.0	-10.7	-13.8	-6.8	-1.5	4.6	4.7	2.7	-2.3	-9.3	-13.3	-13.7
2.5	-14.5	-13.4	-16.6	-10.4	-5.3	0.8	1.2	-0.2	-5.2	-12.0	-15.9	-16.4
3.0	-17.5	-16.4	-19.7	-13.8	-8.8	-2.9	-1.9	-3.3	-8.0	-14.6	-18.6	-19.3
4	-23.8	-22.8	-26.3	-20.6	-15.6	-9.3	-7.6	-8.8	-13.9	-20.8	-24.8	-26.0
5	-30.5	-29.5	-32.7	-27.2	-22.2	-15.8	-13.7	-14.6	-20.3	-27.3	-31.3	-32.8
6	-37.5	-36.2	-39.8	-34.2	-29.1	-22.7	-20.5	-21.9	-26.9	-34.1	-37.8	-39.3
7	-44.1	-42.9	-45.9	-41.4	-36.3	-30.1	-27.7	-28.5	-34.0	-41.1	-44.4	-45.9
8	-50.0	-49.4	-51.4	-48.0	-43.2	-37.6	-34.9	-36.4	-41.2	-47.5	-50.4	-51.5
9	-55.8	-53.5	-54.4	-52.8	-49.6	-45.0	-42.2	-43.8	-46.9	-52.3	-53.5	-54.7
10	-56.6	-54.7	-53.6	-53.9	-52.6	-51.6	-49.2	-49.2	-52.1	-53.9	-53.6	-54.5
11	-55.9	-53.2	-51.8	-51.8	-51.7	-53.1	-50.8	-51.9	-51.0	-51.6	-52.1	-53.0
12	-54.5	-50.8	-50.3	-49.3	-49.5	-50.0	-48.6	-49.4	-50.4	-50.4	-50.6	-51.8
13	-53.7	-48.9	-50.0	-48.4	-48.0	-47.5	-46.7	-48.2	-50.3	-50.2	-50.2	-51.2
14	-53.0	-48.4	-50.1	-48.2	-47.8	-46.8	-45.9	-47.9	-50.7	-51.2	-49.8	-50.2
15	-52.5	-48.7	-49.9	-48.5	-47.5	-46.5	-45.7	-47.8	-51.1	-51.2	-50.6	-49.2
16	--	-49.2	-50.5	-48.6	-47.3	-46.2	-45.5	-47.5	-51.2	-51.9	-49.4	-48.6
17	--	--	--	-49.0	-47.0	-45.9	-45.3	-46.8	-50.8	-52.5	--	--
18	--	--	--	-48.9	-46.6	-45.6	-44.9	-46.2	--	--	--	--
19	--	--	--	--	-46.8	-45.2	-44.5	--	--	--	--	--
20	--	--	--	--	--	-45.1	-44.3	--	--	--	--	--

Number of Observations

Surface	123	112	123	119	124	119	106	93	110	121	129	153
5	118	107	113	118	121	114	104	86	108	117	119	150
10	97	89	94	109	113	102	100	83	92	105	103	118
15	32	43	50	88	89	93	93	55	71	72	56	46
18	--	--	--	41	55	74	72	29	--	--	--	--





AVERAGE PRESSURES (Mbs.)

Elevation: 134 meters, m.s.l.

FAIRBANKS, ALASKA

Alt.Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	992	991	991	987	992	991	993	993	992	987	990	986
0.5	949	948	948	946	952	952	953	952	951	945	947	942
1.0	889	890	889	889	896	897	898	897	895	887	886	882
1.5	832	834	833	835	843	845	846	845	841	832	830	826
2.0	780	782	781	784	792	795	796	794	790	780	777	774
2.5	730	732	730	735	743	747	748	747	741	730	728	724
3.0	683	685	682	688	697	702	703	701	695	684	681	677
4	596	599	595	602	611	618	619	617	610	598	594	591
5	520	522	518	525	535	542	544	542	535	522	517	514
6	451	453	448	457	466	474	476	474	466	454	448	445
7	389	391	386	395	404	413	415	413	405	392	387	384
8	334	336	332	340	349	358	360	359	350	338	333	329
9	287	289	284	292	300	309	311	310	302	290	285	282
10	245	247	243	250	257	265	268	266	259	248	244	241
11	209	212	208	214	221	228	231	229	223	213	209	207
12	179	182	179	183	189	195	198	196	191	183	179	177
13	154	156	153	157	162	167	170	168	164	156	153	151
14	132	134	132	135	139	144	146	145	140	134	132	130
15	114	115	113	116	120	124	126	124	120	115	113	112
16	--	99	97	100	103	107	108	107	103	99	97	97
17	--	--	--	86	89	92	93	92	89	85	--	--
18	--	--	--	74	76	79	80	79	--	--	--	--
19	--	--	--	--	66	68	69	--	--	--	--	--
20	--	--	--	--	--	58	59	--	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	76	68	60	48	43	46	52	62	64	75	74	74
0.5	76	69	62	49	44	45	54	63	64	75	71	76
1.0	73	67	64	51	47	47	59	68	68	76	70	74
1.5	71	64	65	54	51	52	65	74	73	76	67	71
2.0	71	62	65	58	56	58	71	78	75	74	65	71
2.5	68	60	65	60	60	63	76	80	76	73	63	69
3.0	67	60	65	60	63	65	78	79	74	71	62	69
4	66	59	66	61	63	65	73	73	71	72	62	65
5	64	59	63	59	60	63	65	64	69	71	59	62
6	64	59	62	58	58	59	63	61	68	69	63	59
7	--	--	--	48	59	57	63	58	65	--	--	--
8	--	--	--	--	--	53	56	57	--	--	--	--

Number of Observations (Relative Humidity)

Surface	120	110	122	119	124	119	105	93	110	120	127	146
5	90	91	85	112	116	107	100	85	102	109	96	107
7	--	--	--	28	71	94	95	82	73	--	--	--

AVERAGE TEMPERATURES °C.

Great Falls, Mont.

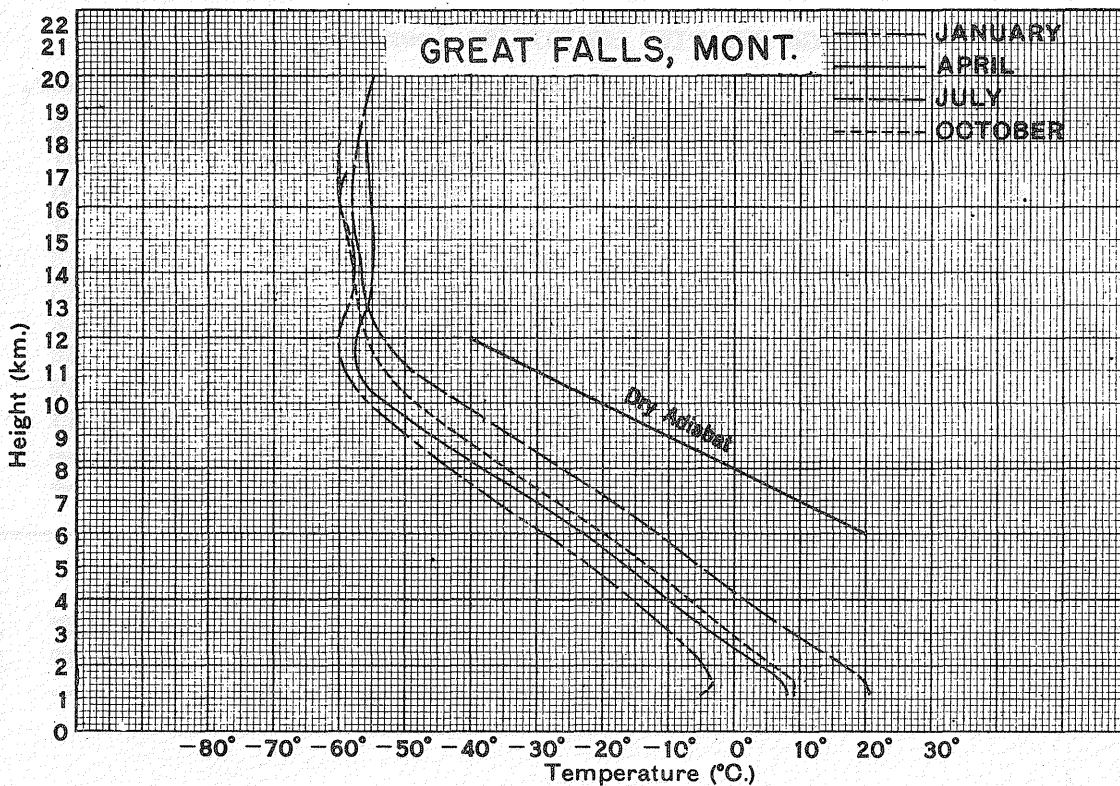
Period of Record: August 1940-December 1943

Elevation: 1,128 meters, m.s.l.

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-5.0	-3.5	-0.7	8.0	10.4	13.5	20.5	19.7	13.7	9.1	1.4	-1.3
1.5	-3.3	-2.6	-0.9	7.5	9.5	12.8	20.1	19.4	13.2	9.3	2.1	-0.8
2.0	-5.1	-4.4	-3.5	4.0	6.0	9.7	16.9	16.1	10.0	5.9	-0.6	-3.2
2.5	-6.7	-6.9	-6.7	0.4	2.2	6.2	12.9	12.4	6.6	2.4	-3.5	-5.9
3.0	-9.6	-9.9	-10.0	-3.2	-1.7	2.6	9.9	8.5	3.3	-0.8	-6.4	-8.5
4	-15.4	-15.8	-16.3	-10.0	-9.0	-3.8	1.6	1.3	-3.1	-6.9	-12.6	-14.6
5	-22.2	-22.0	-22.7	-16.3	-15.7	-10.4	-5.1	-5.5	-9.5	-13.2	-19.0	-21.2
6	-29.1	-28.7	-29.3	-23.3	-22.5	-17.1	-11.7	-12.3	-16.1	-20.0	-25.9	-28.1
7	-36.5	-35.9	-36.3	-30.6	-29.7	-24.1	-18.9	-19.3	-23.7	-27.0	-32.9	-35.3
8	-43.5	-43.3	-43.5	-38.4	-37.3	-31.7	-26.5	-26.9	-30.9	-34.5	-40.0	-42.6
9	-50.1	-50.3	-50.1	-45.8	-44.5	-39.0	-34.0	-34.9	-38.8	-42.0	-46.6	-49.3
10	-55.8	-54.3	-55.5	-53.0	-50.2	-46.1	-41.6	-42.3	-45.8	-48.6	-52.5	-54.2
11	-59.3	-56.2	-58.1	-57.4	-53.8	-51.8	-49.1	-48.8	-51.5	-53.3	-55.5	-56.4
12	-60.1	-54.5	-57.8	-57.2	-54.5	-54.1	-53.2	-53.2	-54.3	-56.0	-56.9	-55.9
13	-58.4	-52.8	-56.4	-55.5	-53.7	-53.3	-56.2	-55.3	-55.5	-57.1	-57.2	-55.2
14	-57.5	-52.9	-55.7	-55.0	-53.6	-52.9	-56.5	-56.8	-56.4	-57.9	-57.2	-54.9
15	-58.3	-53.9	-55.6	-54.9	-54.2	-53.7	-57.5	-58.2	-57.1	-58.8	-57.7	-55.6
16	-59.6	-55.5	-56.3	-55.3	-55.0	-54.3	-58.1	-58.8	-57.7	-59.8	-58.9	-56.6
17	-59.0	-55.6	-56.8	-55.5	-55.3	-54.9	-58.0	-58.5	-58.0	-60.1	-59.5	-57.4
18	--	--	-56.6	-55.8	--	-54.9	-57.1	-57.5	-57.6	-60.0	-59.7	--
19	--	--	--	--	--	-54.5	-56.1	-56.0	-57.3	-60.1	--	--
20	--	--	--	--	--	--	-54.8	-54.6	--	--	--	--

Number of Observations

Surface	90	84	92	89	93	90	92	124	120	123	119	117
5	88	81	91	89	90	87	91	124	118	121	118	113
10	81	75	82	79	85	79	82	117	108	112	103	82
15	64	53	61	62	59	63	66	96	92	90	71	60
18	--	--	28	26	--	41	46	78	53	40	25	--



AVERAGE PRESSURES (Mbs.)

Elevation: 1,128 meters, m.s.l.

GREAT FALLS, MONT.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	887	887	886	884	885	886	888	888	888	887	887	885
1.5	847	846	845	845	846	847	851	850	849	847	847	845
2.0	794	794	794	795	796	798	802	801	800	798	796	793
2.5	745	745	745	747	749	751	756	755	753	750	747	744
3.0	699	698	698	702	704	707	712	711	708	705	701	698
4	613	613	612	618	620	624	630	630	625	621	616	612
5	536	536	535	542	544	549	556	555	550	546	540	536
6	467	467	467	474	476	481	489	488	483	478	471	467
7	405	405	405	412	414	421	428	428	422	417	409	406
8	350	350	349	357	359	366	373	373	367	362	354	350
9	301	301	300	308	310	316	324	324	318	313	305	301
10	259	258	257	265	267	273	281	280	275	270	262	258
11	221	221	220	227	229	235	242	241	236	232	225	220
12	189	189	188	193	195	201	208	207	202	198	192	188
13	161	161	160	165	167	172	178	177	173	169	164	160
14	137	136	137	141	143	147	152	151	147	144	140	137
15	117	118	117	120	123	126	130	129	126	123	120	117
16	100	101	100	103	105	108	111	110	108	105	102	101
17	86	86	86	88	90	92	94	94	92	90	88	86
18	--	--	73	76	--	79	81	80	79	76	74	--
19	--	--	--	--	--	68	69	69	67	--	--	--
20	--	--	--	--	--	--	59	59	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	66	67	64	55	59	68	50	43	57	56	63	63
1.5	66	65	63	52	56	62	44	41	53	52	58	61
2.0	64	63	61	53	56	60	43	41	54	53	57	59
2.5	64	62	61	56	59	62	46	44	58	55	58	59
3.0	63	62	62	59	63	65	50	49	59	56	58	58
4	61	60	59	61	68	66	55	56	57	56	59	58
5	58	55	57	59	64	62	51	53	55	55	57	58
6	53	50	52	57	61	58	55	51	53	53	55	53
7	46	46	49	54	62	56	52	47	50	51	52	54
8	--	--	--	--	57	57	51	49	53	49	--	--
9	--	--	--	--	--	--	56	46	--	--	--	--

Number of Observations (Relative Humidity)

Surface	90	83	92	89	93	90	93	124	120	123	118	117
5	79	75	90	86	88	85	92	122	118	120	114	107
7	45	43	55	56	55	82	60	115	114	112	84	50
9	--	--	--	--	--	--	34	56	--	--	--	--

AVERAGE TEMPERATURES °C.

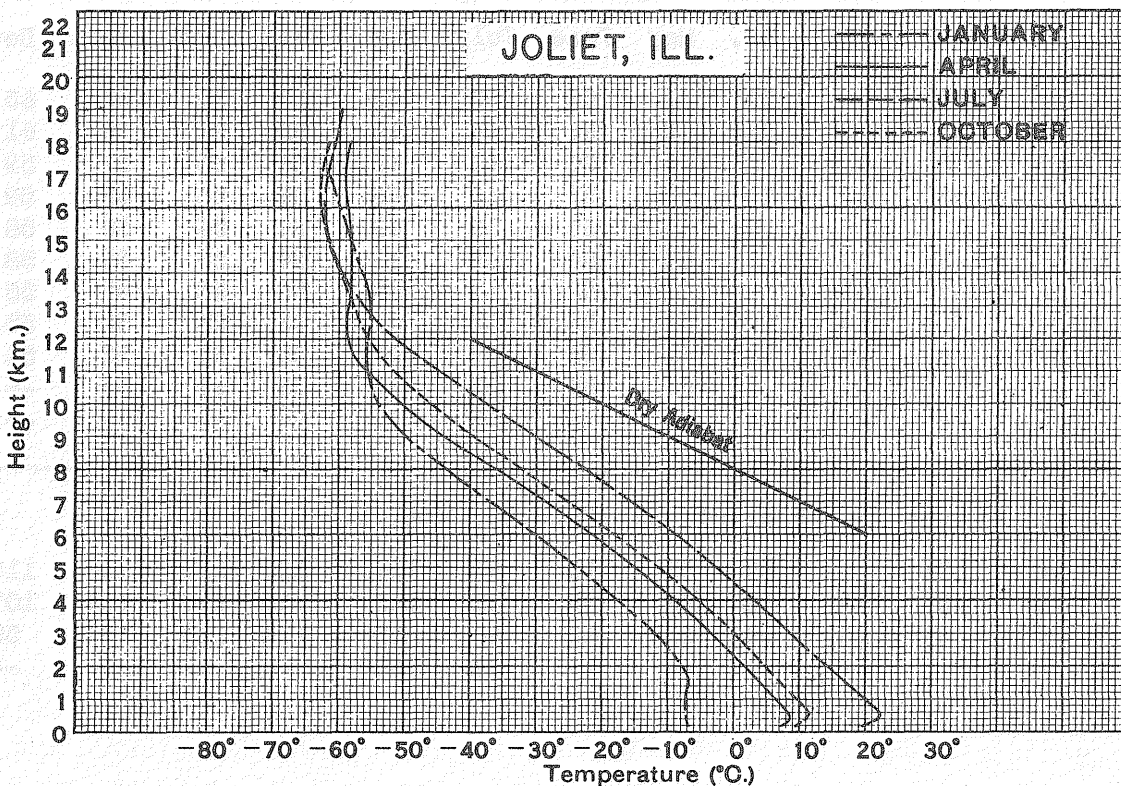
Joliet, Ill.

Period of Record: July 1939-December 1943

Elevation: 178 meters, m.s.l.

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-6.7	-4.1	-0.3	7.1	12.1	18.3	19.6	19.1	14.8	9.3	2.0	-2.1
0.5	-7.3	-4.8	-0.5	8.6	13.5	20.0	22.3	21.3	17.4	11.3	2.3	-1.9
1.0	-7.4	-6.2	-2.7	6.7	11.3	17.8	20.2	19.8	14.8	9.2	1.4	-2.3
1.5	-6.8	-6.8	-4.3	4.1	8.8	14.8	17.0	15.7	12.1	6.7	0.2	-2.6
2.0	-7.8	-8.0	-6.1	1.7	6.2	11.9	14.1	13.2	9.8	4.7	-1.5	-3.7
2.5	-9.7	-9.9	-8.0	-0.7	3.7	9.3	11.3	10.7	7.6	2.5	-3.4	-5.5
3.0	-12.0	-12.2	-10.4	-3.1	0.9	6.7	8.6	8.1	5.3	0.1	-5.6	-7.0
4	-17.5	-17.4	-15.6	-8.7	-4.6	1.1	3.0	2.3	-0.3	-5.5	-11.0	-12.7
5	-23.6	-23.5	-21.6	-14.9	-10.9	-4.6	-2.8	-3.5	-6.4	-11.6	-16.9	-18.7
6	-30.2	-30.0	-28.2	-21.8	-17.5	-10.7	-9.0	-9.4	-12.5	-18.0	-23.6	-25.6
7	-37.1	-37.0	-35.1	-28.8	-24.7	-17.4	-15.6	-16.0	-19.4	-25.1	-30.6	-32.7
8	-43.7	-43.6	-42.3	-36.2	-32.1	-24.5	-22.9	-23.2	-26.6	-32.4	-37.7	-39.6
9	-49.8	-49.4	-48.8	-43.6	-39.4	-31.8	-30.2	-30.7	-34.1	-39.5	-44.7	-45.9
10	-54.0	-53.3	-53.5	-50.4	-46.2	-39.3	-37.5	-38.6	-41.4	-46.3	-50.6	-51.5
11	-55.9	-54.3	-56.0	-55.7	-51.8	-46.5	-44.9	-45.1	-48.0	-51.6	-54.8	-54.9
12	-55.6	-53.6	-55.9	-58.7	-56.0	-53.0	-51.6	-51.5	-53.2	-55.6	-57.1	-56.0
13	-55.3	-53.5	-55.2	-58.4	-58.0	-58.1	-56.2	-56.6	-57.1	-57.9	-58.3	-56.8
14	-56.5	-54.1	-55.4	-58.1	-58.1	-60.8	-59.6	-60.4	-60.7	-59.7	-59.3	-57.9
15	-58.0	-55.4	-56.4	-58.0	-58.4	-61.7	-61.8	-63.0	-63.4	-61.6	-60.6	-59.3
16	-60.0	-56.5	-57.9	-58.8	-58.9	-62.6	-62.4	-64.1	-64.7	-62.8	-61.6	-59.8
17	-61.4	-57.2	-58.6	-59.0	-59.0	-62.5	-61.8	-63.3	-64.2	-62.9	-62.0	-60.6
18	--	--	--	-58.2	-58.4	-61.3	-60.7	-61.7	-62.6	-61.5	--	-60.5
19	--	--	--	--	-56.8	-59.7	-59.7	-59.3	-60.9	--	--	--
20	--	--	--	--	--	--	--	--	-59.7	--	--	--

	Number of Observations											
Surface	122	110	119	115	121	117	136	151	145	145	147	154
5	119	106	114	111	118	114	133	141	141	134	143	150
10	105	89	82	99	106	106	128	134	135	120	122	117
15	63	57	53	79	76	87	109	106	111	73	80	80
18	--	--	--	34	45	51	66	69	75	45	--	27



AVERAGE PRESSURES (mbs.)

Elevation: 178 meters, m.s.l.

JOLIET, ILL.

37

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	997	995	995	995	993	993	994	994	996	996	998	996
0.5	957	956	956	957	956	957	958	958	959	958	959	957
1.0	898	897	898	901	901	903	904	904	905	902	901	899
1.5	842	841	842	847	848	851	853	853	853	849	847	844
2.0	789	789	790	796	798	802	804	804	803	799	796	792
2.5	740	740	741	746	751	755	758	757	756	751	747	743
3.0	693	693	695	701	706	711	714	713	711	706	701	697
4	608	607	609	619	623	629	632	631	629	622	616	612
5	531	531	533	543	548	555	558	557	554	547	540	536
6	462	462	465	475	480	488	491	490	487	479	472	468
7	401	401	404	414	419	428	431	430	426	418	411	407
8	346	346	349	359	365	374	377	376	372	363	356	353
9	298	298	300	310	315	325	328	327	323	315	308	304
10	255	255	257	267	272	282	284	284	279	272	264	262
11	219	219	220	229	234	243	245	245	241	233	227	224
12	187	187	188	195	200	208	211	210	206	199	194	191
13	160	160	161	167	171	178	181	180	177	170	165	163
14	137	137	138	142	146	152	154	153	151	145	141	139
15	117	117	118	121	125	129	131	131	128	124	120	119
16	100	100	101	104	106	110	112	111	109	105	102	101
17	85	85	86	88	91	94	95	94	93	89	87	86
18	--	--	--	76	77	80	81	80	79	76	--	73
19	--	--	--	--	66	68	69	68	67	--	--	--
20	--	--	--	--	--	--	--	--	57	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	88	87	82	77	82	96	84	88	83	83	86	86
0.5	88	85	77	65	71	71	67	70	66	69	77	83
1.0	83	81	74	61	68	69	64	68	63	66	71	76
1.5	76	76	68	61	68	69	65	69	63	64	64	69
2.0	72	73	63	59	66	69	61	65	58	60	60	63
2.5	69	70	60	57	65	64	57	58	53	57	56	60
3.0	67	67	60	54	63	59	53	53	50	53	54	59
4	62	64	59	55	57	51	51	51	47	50	51	56
5	60	61	59	49	53	49	44	49	45	47	49	54
6	56	59	56	48	51	47	41	44	41	44	48	52
7	50	55	54	46	50	47	40	42	40	43	47	54
8	--	--	--	44	--	47	39	40	41	42	44	--
9	--	--	--	--	--	--	40	--	43	--	--	--

Number of Observations (Relative Humidity)

Surface	120	108	119	115	121	115	135	150	141	144	145	153
5	113	98	103	108	102	108	131	136	134	129	138	142
7	63	64	62	96	93	101	129	133	129	122	117	105
9	--	--	--	--	--	--	73	--	54	--	--	--

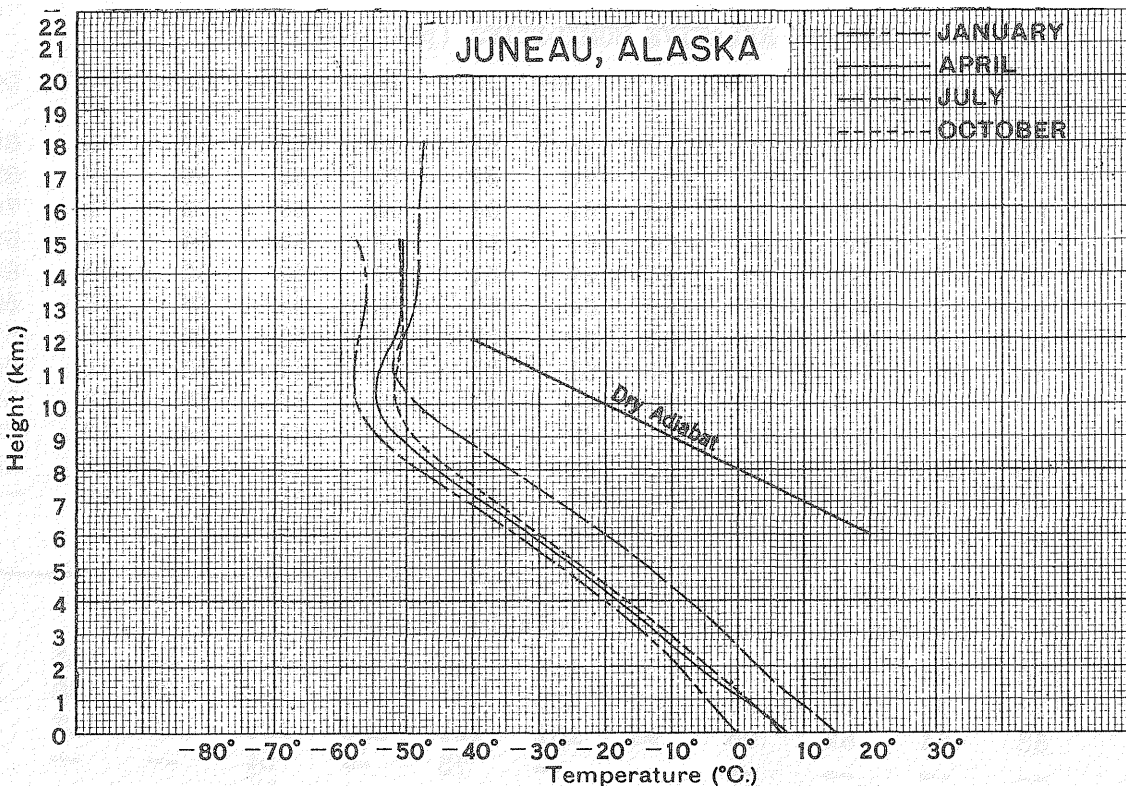
AVERAGE TEMPERATURES °C.

Juneau, Alaska  
Elevation: 6 meters, m.s.l.

Period of Record: September 1939-July 1940  
October 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-0.2	0.7	2.2	7.1	11.1	14.1	14.6	15.0	10.6	6.3	2.3	0.8
0.5	-2.4	-1.5	-0.3	4.4	8.0	11.0	12.0	13.0	9.2	4.3	-0.3	-1.6
1.0	-4.8	-4.1	-3.7	0.7	4.1	7.3	8.6	9.7	6.3	1.0	-3.4	-4.3
1.5	-6.7	-6.3	-6.9	-2.7	0.6	3.8	5.4	6.3	2.8	-1.9	-6.0	-6.5
2.0	-8.9	-8.2	-9.6	-6.1	-2.7	0.8	2.7	3.2	0.7	-4.9	-8.5	-9.0
2.5	-11.3	-10.4	-12.6	-9.1	-5.8	-2.0	0.0	0.8	-2.0	-7.6	-11.3	-11.8
3.0	-14.1	-13.0	-16.0	-12.2	-8.7	-4.7	-2	1.6	-4.5	-10.8	-14.4	-14.8
4	-20.3	-19.3	-22.4	-18.5	-14.9	-10.3	-7	3.7	-9.9	-16.9	-20.9	-21.3
5	-26.8	-26.0	-29.0	-25.0	-21.6	-16.7	-13.0	2.7	-16.3	-23.6	-27.5	-27.6
6	-33.6	-33.1	-36.1	-31.8	-28.6	-23.5	-20.2	-19.5	-22.9	-29.9	-34.2	-34.6
7	-41.0	-40.0	-42.4	-38.9	-36.2	-30.9	-27.1	-26.5	-29.8	-36.9	-41.1	-41.5
8	-48.3	-46.9	-48.3	-45.5	-42.6	-38.5	-34.6	-33.8	-36.9	-43.4	-47.6	-47.8
9	-54.2	-52.5	-52.1	-51.3	-48.8	-45.7	-42.1	-40.9	-43.5	-49.0	-52.5	-52.2
10	-57.6	-55.1	-53.7	-54.6	-52.6	-51.4	-48.7	-47.1	-49.0	-51.5	-54.1	-53.6
11	-57.8	-55.6	-53.2	-54.2	-52.4	-51.8	-52.2	-51.9	-51.6	-51.4	-51.6	-52.7
12	-57.3	-54.4	-52.5	-51.8	-51.7	-49.8	-50.9	-52.5	-51.5	-50.6	-51.5	-51.9
13	-56.3	-52.7	-51.3	-50.7	-50.6	-48.1	-48.8	-51.4	-51.5	-50.6	-50.5	-50.9
14	-56.4	-52.3	-51.3	-50.7	-50.3	-47.8	-48.3	-50.4	-52.0	-50.8	-50.6	-50.8
15	-57.7	--	--	-50.9	-50.3	-47.9	-48.3	-50.4	-52.7	-51.1	--	--
16	--	--	--	--	-50.3	-47.9	-48.2	-50.7	-52.8	--	--	--
17	--	--	--	--	-50.2	-47.7	-47.9	--	--	--	--	--
18	--	--	--	--	-49.8	-47.5	-47.5	--	--	--	--	--
19	--	--	--	--	--	-47.4	--	--	--	--	--	--

	Number of Observations											
Surface	120	110	123	117	122	118	106	93	119	148	144	151
5	87	90	92	86	105	99	82	75	96	96	111	116
10	55	68	48	51	75	78	67	53	59	58	61	65
15	26	--	--	27	55	55	57	38	40	30	--	--
18	--	--	--	--	34	41	32	--	--	--	--	--



AVERAGE PRESSURES (Mbs.)

Elevation: 6 meters, m.s.l.

JUNEAU, ALASKA

39

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1006	1008	1004	1005	1009	1009	1013	1012	1010	1003	1004	1000
0.5	950	952	950	951	955	956	959	957	955	948	948	945
1.0	893	894	892	894	899	901	903	901	899	891	890	887
1.5	837	839	837	840	845	847	850	849	846	837	836	832
2.0	785	787	785	788	793	796	799	798	795	786	783	780
2.5	736	738	735	739	745	748	751	750	746	738	734	731
3	689	691	688	693	698	702	705	705	701	691	688	684
4	603	605	601	607	613	618	621	621	617	606	602	598
5	526	528	524	530	536	542	546	545	541	530	525	522
6	457	459	454	462	467	473	478	478	473	462	456	453
7	395	398	393	400	406	411	417	418	411	400	394	392
8	340	343	338	345	351	357	362	362	357	345	340	337
9	292	295	290	296	302	308	313	313	308	297	291	289
10	249	252	248	254	259	264	270	270	265	255	248	247
11	213	216	213	218	223	227	232	232	228	218	213	212
12	181	185	182	186	191	194	198	199	195	187	182	181
13	155	159	156	159	163	167	170	170	168	160	156	155
14	132	136	134	137	140	143	146	146	144	137	134	133
15	113	117	115	118	120	123	126	125	123	118	115	114
16	--	--	--	--	103	106	108	108	106	--	--	--
17	--	--	--	--	89	91	93	--	--	--	--	--
18	--	--	--	--	76	78	80	--	--	--	--	--
19	--	--	--	--	--	67	69	--	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	74	74	76	71	65	70	78	77	85	86	78	81
0.5	74	74	76	72	67	72	77	77	82	81	77	80
1.0	74	73	79	75	72	78	83	80	82	83	79	84
1.5	72	73	80	77	76	83	87	84	82	85	80	83
2.0	70	71	78	77	77	82	87	86	81	85	80	82
2.5	68	68	77	75	76	78	84	79	78	81	79	81
3.0	66	63	75	72	72	74	78	71	73	77	75	77
4	60	59	71	67	67	65	67	62	66	70	68	70
5	59	56	65	63	64	58	61	56	63	65	65	69
6	56	53	62	56	61	56	59	51	60	62	61	70
7			--	--	59	56	58	51	60	60	--	--

Number of Observations (Relative Humidity)

Surface	118	108	123	117	122	117	106	93	121	147	143	150
5	69	74	67	55	96	88	79	65	95	83	101	86
7			--	--	52	67	69	60	73	37	--	--

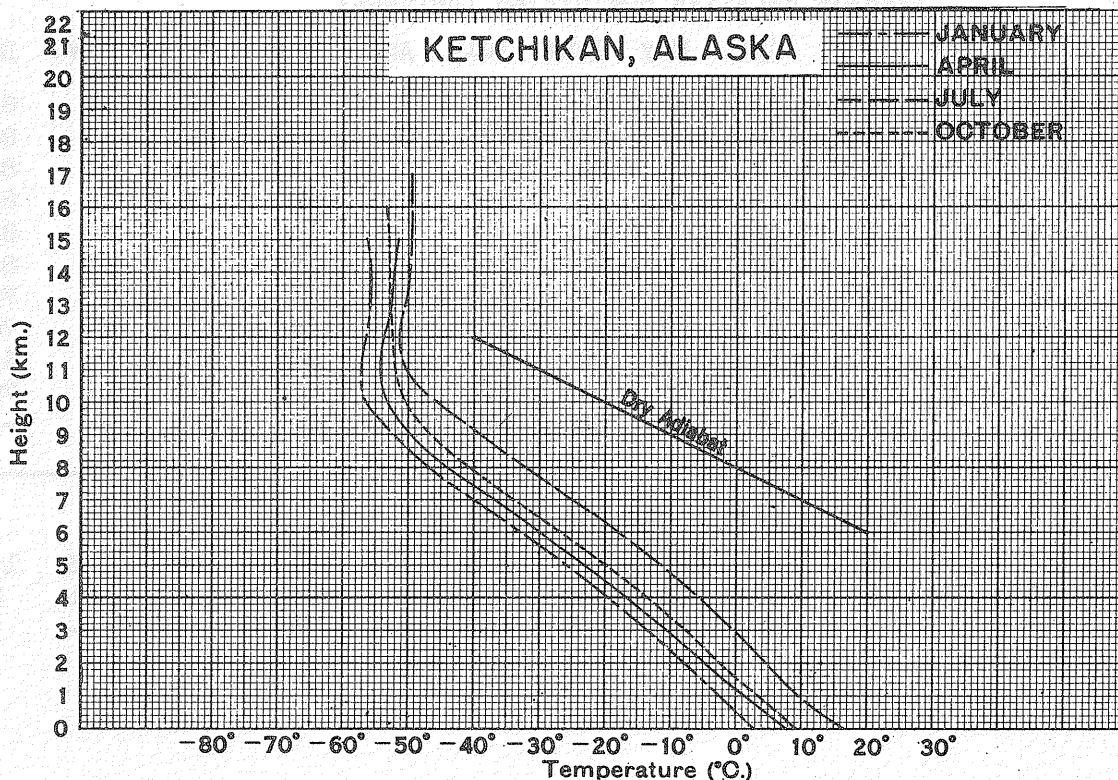
AVERAGE TEMPERATURES °C.

Ketchikan, Alaska  
Elevation: 26 meters, m.s.l.

Period of Record: September 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	2.5	3.6	4.2	7.8	10.6	13.9	16.4	15.9	13.0	9.0	5.0	3.3
0.5	0.0	1.7	1.9	4.9	7.6	10.6	13.0	13.6	11.2	6.6	2.5	0.8
1.0	-2.9	-1.1	-1.4	1.3	4.2	7.5	9.6	10.5	8.4	3.3	-0.7	-2.2
1.5	-5.2	-3.3	-4.7	-2.0	0.9	4.8	6.9	7.5	5.6	0.3	-3.6	-4.8
2.0	-8.0	-5.8	-7.6	-4.8	-2.3	2.0	4.6	5.1	3.0	-2.3	-6.2	-7.5
2.5	-10.4	-8.4	-10.5	-7.6	-5.3	-0.7	2.3	2.5	0.5	-4.9	-8.8	-10.1
3.0	-13.3	-11.1	-13.4	-10.5	-8.3	-3.5	-0.2	-0.1	-2.0	-7.7	-11.8	-13.1
4	-19.6	-17.6	-19.8	-16.8	-14.5	-9.3	-5.5	-5.5	-7.7	-13.9	-18.2	-19.2
5	-26.0	-23.9	-25.8	-23.3	-20.9	-15.6	-11.5	-11.7	-13.8	-19.9	-24.9	-25.7
6	-33.1	-30.3	-32.4	-30.1	-27.6	-22.4	-18.1	-18.2	-20.5	-26.8	-31.6	-32.6
7	-40.0	-37.4	-39.0	-37.0	-34.7	-29.4	-25.1	-25.2	-27.6	-34.2	-38.4	-38.9
8	-47.1	-44.3	-45.9	-44.0	-41.6	-36.7	-32.6	-32.5	-34.5	-40.9	-45.0	-45.3
9	-52.6	-50.0	-51.0	-49.8	-47.5	-44.0	-39.5	-39.9	-41.4	-46.9	-49.9	-50.4
10	-56.9	-53.7	-54.7	-53.2	-51.0	-49.9	-45.8	-47.0	-47.0	-50.4	-52.6	-53.1
11	-57.2	-54.8	-56.3	-54.3	-52.0	-52.0	-50.4	-52.1	-51.4	-52.0	-52.4	-54.3
12	-56.4	-53.3	-55.7	-53.9	-51.6	-50.3	-51.4	-53.2	-53.2	-52.6	-52.5	-53.8
13	-56.2	-52.3	-54.0	-52.3	-50.4	-49.1	-50.3	-52.1	-53.2	-52.8	-52.6	-52.6
14	-55.8	-51.8	--	-52.3	-50.5	-48.8	-50.1	-51.4	-54.0	-52.9	-52.6	-52.5
15	-56.4	-51.4	--	-52.7	-50.4	-49.1	-49.8	-51.6	-54.7	-53.0	-53.0	-52.5
16	--	-51.5	--	--	-50.3	-49.6	-49.8	-51.9	-55.3	-53.4	-53.3	-53.0
17	--	--	--	--	--	--	-49.6	-51.8	--	--	--	--

	Number of Observations											
Surface	84	78	89	85	90	90	92	92	101	111	111	107
5	74	73	80	74	87	84	88	89	92	96	95	98
10	55	58	48	59	61	60	70	68	67	72	69	72
15	27	39	--	31	33	39	35	45	47	39	39	41





AVERAGE PRESSURES (Mbs.)

Elevation: 26 meters, m.s.l.

KETCHIKAN, ALASKA

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1008	1012	1009	1008	1012	1013	1015	1013	1012	1007	1008	1005
0.5	951	954	952	952	956	957	959	958	956	951	950	948
1.0	893	897	894	895	900	902	904	903	900	895	893	891
1.5	838	842	840	841	846	848	851	850	848	841	839	836
2.0	786	790	788	789	794	798	800	800	797	790	787	784
2.5	737	741	738	740	745	749	753	752	749	742	738	734
3.0	690	694	692	694	699	704	707	707	704	696	692	689
4	604	608	605	609	614	619	624	623	620	611	606	603
5	528	532	529	532	537	544	549	548	544	535	530	527
6	459	463	460	464	469	475	481	480	476	466	461	458
7	397	401	398	402	407	414	420	419	415	405	398	396
8	342	346	343	347	352	359	365	364	361	350	343	342
9	293	298	294	298	303	310	316	315	312	302	295	293
10	251	256	252	256	260	267	273	272	269	259	252	251
11	215	219	216	219	223	229	235	234	232	223	216	215
12	183	187	185	187	191	196	201	200	198	191	185	184
13	156	160	159	160	164	169	172	171	170	163	158	157
14	133	137	136	138	141	145	148	147	145	140	136	135
15	114	117	117	118	121	124	127	126	124	120	116	116
16	--	100	--	--	103	107	109	108	107	103	100	99
17	--	--	--	--	--	--	94	93	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	76	78	79	73	73	73	72	79	81	83	81	84
0.5	75	75	79	76	74	78	78	80	79	83	82	85
1.0	75	72	78	78	77	81	83	82	78	84	83	84
1.5	75	70	77	80	79	81	83	81	76	83	81	81
2.0	74	67	74	78	78	79	77	76	73	79	78	77
2.5	71	62	70	72	75	74	71	72	69	72	72	70
3.0	67	59	67	69	71	70	69	67	65	66	66	65
4	63	58	64	63	64	66	63	60	60	61	62	66
5	62	55	61	61	61	61	60	55	57	59	62	66
6	63	53	54	59	58	59	58	51	56	60	62	65
7	--	50	--	53	54	60	58	51	55	60	68	62
8	--	--	--	--	--	--	57	49	53	--	--	--

Number of Observations (Relative Humidity)

Surface	84	77	88	85	91	90	92	92	101	111	110	107
5	68	68	72	67	83	81	83	88	89	94	87	86
7	--	29	--	31	49	70	72	81	72	51	30	34

AVERAGE TEMPERATURES °C

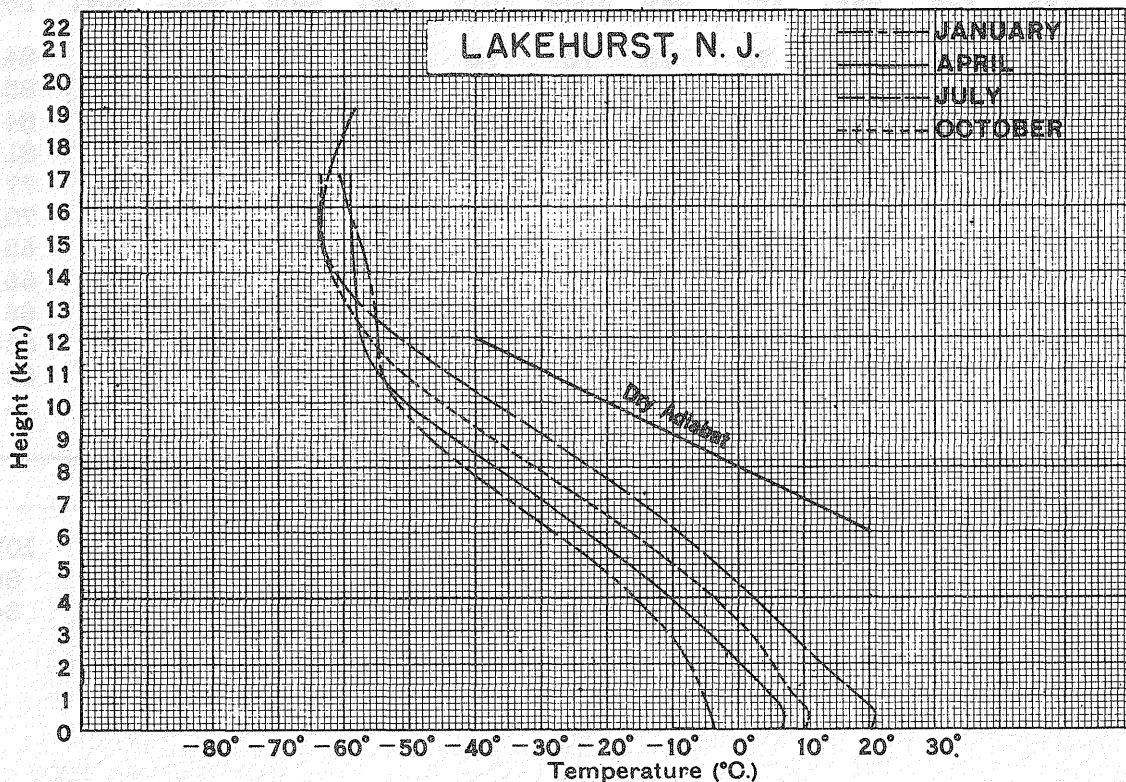
Lakehurst, N. J.  
Elevation: 39 meters, m.s.l.

Period of Record: October 1939-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-3.7	-2.0	1.1	6.6	13.2	18.2	20.3	19.0	15.4	10.2	4.8	-0.1
0.5	-4.2	-3.2	0.2	7.1	14.3	18.7	20.9	19.5	16.8	10.8	4.4	-0.6
1.0	-5.2	-4.8	-1.9	5.1	12.2	16.5	18.5	16.9	14.7	8.7	2.2	-1.8
1.5	-6.1	-6.3	-3.6	2.5	9.1	13.7	15.4	13.9	12.3	6.9	0.6	-2.8
2.0	-7.3	-7.6	-5.3	0.1	6.3	10.9	12.6	11.4	9.7	5.3	-1.1	-3.9
2.5	-8.9	-9.7	-7.1	-2.5	3.4	8.3	10.0	9.2	7.7	3.4	-2.9	-5.1
3.0	-11.0	-11.8	-9.3	-5.2	0.7	5.8	7.4	6.8	5.6	1.2	-5.0	-7.6
4	-15.9	-16.9	-14.6	-10.5	-4.9	0.7	2.0	1.8	0.5	-3.9	-10.1	-12.6
5	-21.8	-23.0	-20.6	-16.5	-10.7	-4.7	-3.4	-3.6	-5.0	-10.1	-16.0	-18.6
6	-28.2	-29.4	-27.3	-23.1	-17.0	-10.7	-9.2	-9.8	-11.1	-16.3	-22.5	-25.2
7	-35.1	-36.1	-34.2	-30.0	-24.2	-17.1	-15.6	-16.4	-17.9	-23.3	-29.3	-31.8
8	-41.6	-42.6	-41.0	-37.1	-31.4	-24.0	-22.5	-23.4	-25.1	-31.0	-36.1	-38.5
9	-47.7	-47.9	-47.6	-44.1	-38.7	-31.4	-29.7	-30.5	-32.5	-38.2	-42.9	-44.9
10	-52.0	-51.4	-52.5	-50.3	-45.6	-38.7	-37.2	-38.0	-39.7	-45.1	-49.1	-50.5
11	-54.3	-53.4	-55.3	-55.1	-51.7	-46.1	-44.7	-45.3	-46.8	-51.5	-53.9	-54.2
12	-54.8	-52.4	-55.2	-57.6	-56.5	-53.1	-51.7	-51.9	-53.0	-55.9	-57.4	-56.5
13	-55.3	-52.8	-54.9	-58.2	-59.4	-58.9	-57.6	-57.4	-57.9	-59.1	-59.3	-57.7
14	-56.2	-54.2	-56.1	-58.2	-60.2	-62.2	-61.3	-61.2	-61.3	-61.5	-60.8	-58.7
15	-57.8	-55.4	-56.8	-58.6	-59.9	-63.0	-63.3	-63.8	-63.3	-63.7	-61.1	-60.1
16	-59.3	-57.2	-58.1	-58.9	-59.9	-63.6	-63.3	-63.9	-64.3	-63.6	-61.8	-60.9
17	-60.9	--	-58.5	-59.0	-59.7	-63.1	-62.3	-62.8	-64.0	-63.9	-62.2	--
18	--	--	--	--	-58.9	-61.4	-60.6	-60.9	-62.7	--	--	--
19	--	--	--	--	--	--	-58.4	-58.8	-62.3	--	--	--

Number of Observations

Surface	116	105	113	113	123	118	123	118	110	148	133	139
5	109	104	110	113	121	117	120	116	108	133	129	133
10	93	93	102	100	115	114	114	107	96	100	109	111
15	55	52	58	70	97	81	95	87	75	61	57	58
18	--	--	--	--	40	37	51	57	37	--	--	--



AVERAGE PRESSURES (Mbs.)

Elevation: 39 meters, m.s.l.

LAKEHURST, N. J.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1014	1010	1011	1012	1011	1010	1011	1011	1013	1013	1015	1013
0.5	956	952	954	957	958	958	959	959	960	958	959	957
1.0	897	894	897	900	903	903	905	905	905	903	902	898
1.5	842	839	842	846	850	852	854	853	853	850	848	843
2.0	790	786	790	795	800	802	805	804	803	800	796	792
2.5	740	737	741	747	752	755	758	757	756	752	748	743
3.0	694	691	695	701	707	711	713	713	712	707	701	697
4	608	605	610	617	623	628	631	630	629	624	617	612
5	532	529	534	541	548	554	557	556	555	549	541	536
6	464	461	465	472	481	487	490	489	488	481	473	468
7	403	400	404	411	420	427	431	429	428	420	412	407
8	348	345	350	357	365	373	376	375	373	366	358	353
9	300	296	301	308	316	325	327	326	324	317	309	304
10	258	255	259	265	273	281	284	283	281	274	266	262
11	221	219	222	227	235	243	245	244	242	236	229	225
12	189	187	189	195	201	208	211	210	208	202	195	193
13	162	161	162	166	172	178	180	180	178	173	167	165
14	138	138	139	142	147	152	154	153	152	147	142	141
15	118	118	118	121	125	129	131	130	129	125	121	120
16	102	101	102	104	107	110	112	111	110	107	103	103
17	87	--	86	88	91	94	95	95	94	91	89	--
18	--	--	--	--	78	80	81	81	80	--	--	--
19	--	--	--	--	--	--	70	70	68	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	74	69	71	74	80	85	87	85	85	83	75	74
0.5	69	62	64	61	65	67	70	67	70	69	62	68
1.0	66	62	62	60	62	63	65	63	64	64	61	65
1.5	66	60	60	60	62	64	65	63	59	60	58	61
2.0	63	57	60	59	62	63	64	59	57	56	56	61
2.5	61	57	58	58	62	59	61	50	51	55	56	61
3.0	58	56	56	59	61	56	58	47	54	54	55	58
4	56	55	59	58	57	51	53	45	45	54	56	57
5	58	57	59	60	55	49	55	42	44	55	59	62
6	63	61	58	62	53	50	55	46	53	57	64	66
7	68	67	60	65	55	56	55	51	55	60	67	69
8	--	--	--	68	66	65	61	54	--	65	--	--
9	--	--	--	--	--	70	62	59	--	--	--	--

Number of Observations (Relative Humidity)

Surface	114	105	113	113	123	118	122	117	110	147	130	136
5	83	76	81	88	95	87	91	67	63	77	82	94
7	48	43	35	54	63	67	52	45	27	66	46	68
9	--	--	--	--	--	34	37	30	--	--	--	--

Observations taken at 0400 between Oct. 1, 1939-Oct. 31, 1941, and at 2300 thereafter.

AVERAGE TEMPERATURES °C.

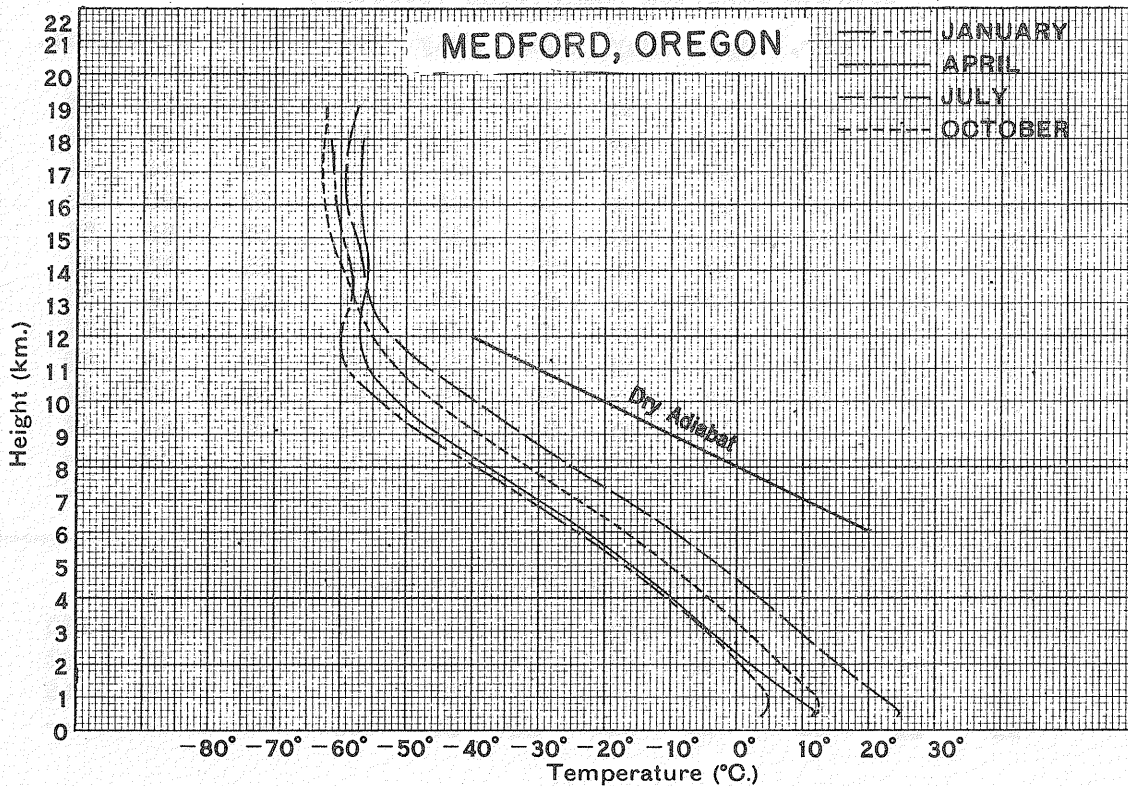
Medford, Oreg.

Elevation: 409 meters, m.s.l.

Period of Record: September 1939-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	3.9	7.0	9.1	11.4	14.6	18.0	24.5	23.0	19.3	11.7	6.4	4.6
0.5	4.3	7.4	9.7	11.6	14.6	17.8	24.7	23.0	18.9	12.6	7.1	4.7
1.0	4.8	5.9	8.0	9.0	12.0	15.1	21.9	20.2	17.2	12.1	7.9	4.6
1.5	3.0	2.8	4.5	5.3	8.4	11.7	18.3	16.8	14.1	9.5	6.5	3.3
2.0	0.4	-0.4	0.9	1.8	5.0	8.5	15.1	13.5	11.0	6.7	4.0	0.8
2.5	-2.1	-3.3	-1.9	-1.3	2.0	5.9	12.4	10.7	8.1	4.0	1.3	-1.5
3.0	-4.8	-6.2	-4.6	-4.2	-0.8	3.2	9.8	8.1	5.3	1.2	-1.3	-4.0
4	-10.8	-12.2	-10.7	-9.7	-6.6	-2.5	3.4	1.9	-0.7	-4.3	-7.2	-9.9
5	-17.3	-18.8	-17.0	-16.2	-12.6	-9.0	-2.9	-4.4	-6.9	-10.3	-13.3	-16.2
6	-24.5	-26.0	-24.0	-23.0	-19.2	-15.5	-9.8	-10.9	-13.6	-17.0	-20.1	-23.0
7	-31.9	-33.3	-31.5	-30.3	-26.0	-22.4	-17.1	-18.0	-20.9	-24.4	-27.4	-30.1
8	-39.8	-40.6	-39.4	-37.8	-33.5	-29.9	-24.7	-25.6	-28.6	-31.8	-34.9	-37.9
9	-47.4	-47.7	-46.8	-45.0	-40.7	-37.3	-32.4	-33.2	-36.3	-39.1	-42.2	-45.3
10	-54.2	-53.4	-53.7	-51.0	-47.3	-44.0	-39.8	-40.5	-43.5	-45.7	-49.5	-51.7
11	-59.1	-56.5	-58.5	-55.2	-53.0	-50.0	-46.8	-47.1	-50.6	-51.2	-55.7	-56.1
12	-60.1	-56.1	-60.1	-57.2	-56.4	-54.0	-52.3	-51.6	-54.0	-55.2	-59.5	-57.8
13	-58.4	-55.4	-58.2	-56.5	-57.6	-55.8	-55.2	-54.4	-56.4	-57.9	-61.0	-58.0
14	-58.7	-55.6	-57.5	-55.8	-57.5	-56.6	-56.5	-56.6	-58.0	-59.9	-61.9	-57.9
15	-59.6	-57.0	-58.0	-56.4	-57.2	-57.0	-57.9	-58.3	-59.6	-61.5	-63.2	-59.7
16	-60.9	-58.6	-58.8	-57.0	-57.4	-57.5	-59.1	-59.9	-60.6	-62.7	-63.5	-60.8
17	-61.2	-59.8	-59.6	-57.1	-57.1	-58.0	-59.4	-60.2	-60.8	-63.1	-63.5	-61.6
18	-61.5	--	-59.6	-56.5	-57.0	-58.2	-58.8	-59.6	-60.1	-62.6	-64.0	-60.8
19	--	--	--	--	-56.6	-58.8	-57.7	-58.6	-59.2	-62.3	--	--
20	--	--	--	--	--	--	--	-57.5	-58.8	--	--	--

	Number of Observations											
Surface	121	111	123	118	123	120	105	112	150	154	149	154
5	116	106	122	116	123	115	104	110	150	153	140	148
10	107	88	108	107	118	104	103	101	145	147	120	131
15	80	62	84	88	102	86	95	87	130	127	83	85
18	37	--	39	36	56	50	64	61	94	76	38	43



AVERAGE PRESSURES (Mbs.)

Elevation: 409 meters, m.s.l.

MEDFORD, OREG.

45

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	969	968	969	967	968	968	968	966	967	969	972	969
0.5	958	957	958	956	957	957	957	956	956	958	960	958
1.0	901	900	902	900	902	902	904	902	902	903	904	901
1.5	847	846	848	847	849	850	853	851	850	850	851	848
2.0	796	795	797	797	799	800	804	802	801	800	800	796
2.5	748	747	749	748	751	753	758	756	754	753	752	748
3.0	702	701	703	703	706	708	714	712	709	707	706	702
4	618	616	618	618	622	626	632	630	627	624	622	618
5	542	540	542	543	547	551	558	556	553	549	547	542
6	473	471	474	474	479	483	491	489	485	481	479	474
7	411	410	412	413	418	423	431	429	425	421	417	413
8	356	354	357	358	363	368	376	374	370	366	362	358
9	307	305	307	308	314	319	327	325	321	316	313	308
10	263	262	264	265	270	276	283	281	278	273	270	264
11	225	224	226	227	232	237	244	242	239	235	231	227
12	192	192	192	194	198	203	210	208	205	201	197	193
13	163	164	164	166	170	174	179	178	175	172	168	165
14	139	140	140	141	145	148	153	152	149	147	143	141
15	119	120	119	121	123	127	131	130	127	125	122	120
16	101	102	102	104	106	109	112	111	109	106	103	102
17	86	88	87	88	90	93	95	94	93	91	88	88
18	--	--	74	76	77	79	81	81	79	77	75	75
19	--	--	--	--	66	68	70	69	67	66	--	--
20	--	--	--	--	--	--	--	59	57	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	86	76	67	65	61	55	39	45	55	75	86	87
0.5	83	74	65	64	60	55	39	45	54	71	82	86
1.0	68	68	61	63	61	55	41	47	53	65	69	78
1.5	62	70	64	67	66	60	46	53	57	64	63	71
2.0	61	71	67	71	71	65	51	58	58	62	60	68
2.5	59	68	64	71	70	64	52	59	54	58	56	63
3.0	57	62	60	67	67	59	48	54	50	55	51	58
4	52	58	54	55	57	51	42	45	46	49	47	55
5	51	55	51	51	52	48	40	40	43	45	43	55
6	49	52	48	50	50	45	38	37	40	43	42	53
7	44	50	46	47	50	43	37	36	39	43	41	51
8	38	48	47	46	48	42	36	36	38	40	42	49
9	--	--	--	--	46	40	36	35	35	36	40	--
10	--	--	--	--	--	--	35	36	--	--	--	--

Number of Observations (Relative Humidity)

Surface	121	111	123	118	123	120	104	112	150	154	149	154
5	115	106	121	116	123	114	102	109	150	153	139	145
7	92	84	100	103	119	109	100	104	146	149	127	126
9	--	--	--	--	44	59	93	80	89	63	25	--

AVERAGE TEMPERATURES °C

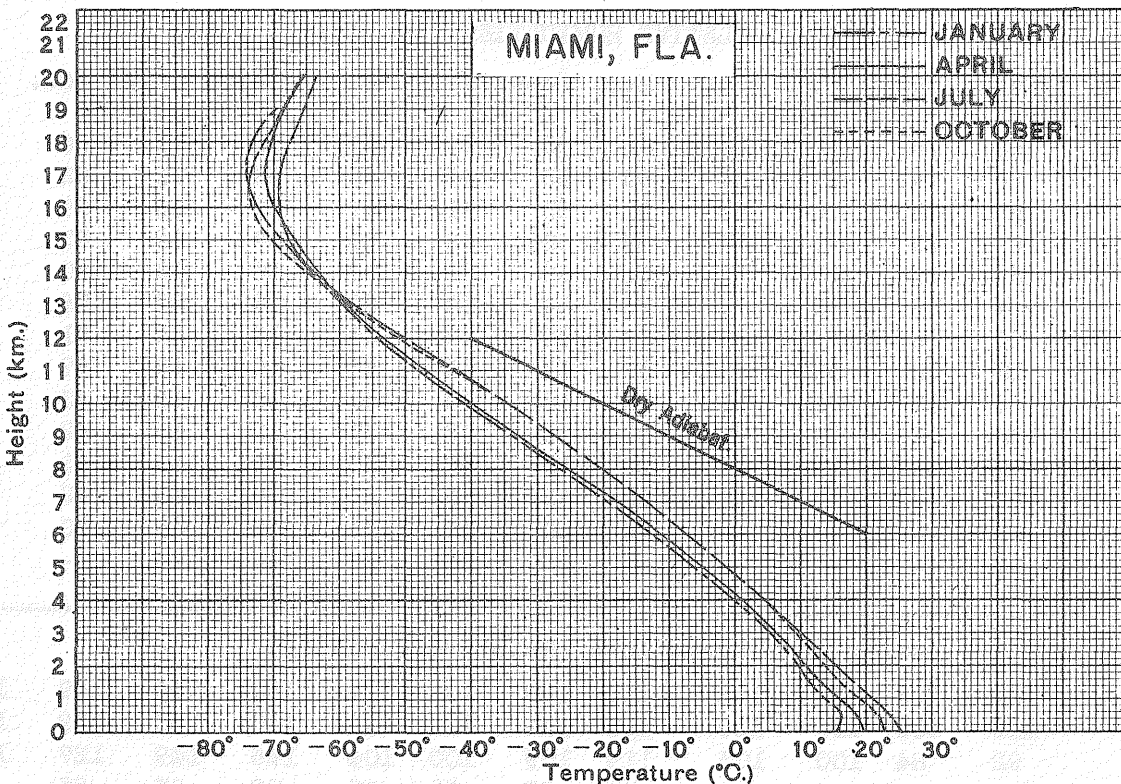
Miami, Fla.  
Elevation: 4 meters, m.s.l.

Period of Record: July 1939-July 1940  
November 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	15.6	14.6	17.9	19.6	21.9	24.5	25.1	25.0	24.6	22.9	19.8	18.0
0.5	16.2	14.9	17.1	18.5	20.7	23.0	23.8	24.2	23.7	22.0	19.1	18.0
1.0	13.4	12.2	14.3	15.5	17.6	20.3	20.9	21.4	20.8	18.8	15.9	15.1
1.5	11.3	10.1	12.2	13.0	15.0	17.4	18.1	18.6	17.9	16.1	13.2	12.9
2.0	9.8	9.0	10.4	10.8	12.7	14.7	15.4	15.8	15.1	13.7	11.5	11.3
2.5	7.6	7.4	8.6	8.7	10.4	11.9	12.8	13.2	12.5	11.6	9.8	9.5
3.0	5.1	5.2	6.0	6.4	7.8	9.1	10.0	10.4	9.9	9.4	7.7	6.9
4	-0.3	0.2	0.5	1.0	2.5	3.3	4.4	5.0	4.5	4.4	2.7	1.6
5	-6.1	-5.7	-5.6	-4.8	-3.3	-2.3	-1.5	-0.7	-1.0	-1.0	-3.1	-4.4
6	-12.8	-12.3	-11.7	-11.3	-9.5	-8.0	-7.4	-6.5	-6.9	-7.2	-9.2	-10.8
7	-19.9	-19.1	-18.9	-18.2	-16.4	-14.3	-13.6	-12.7	-13.2	-13.7	-16.0	-17.8
8	-26.9	-26.1	-25.8	-25.4	-23.7	-20.8	-20.3	-19.2	-19.8	-20.6	-23.2	-25.0
9	-34.0	-33.4	-33.1	-32.7	-30.9	-28.1	-27.4	-26.2	-26.8	-27.8	-30.5	-32.5
10	-41.2	-40.8	-40.5	-40.2	-38.5	-35.6	-34.9	-33.7	-34.4	-35.3	-38.2	-40.2
11	-48.0	-47.8	-47.3	-47.0	-45.9	-43.3	-42.7	-41.4	-42.4	-42.9	-45.6	-48.1
12	-54.2	-53.6	-53.1	-54.0	-53.0	-51.1	-50.4	-49.0	-50.2	-51.0	-53.0	-54.9
13	-59.5	-58.5	-58.4	-59.1	-59.0	-58.3	-57.7	-56.3	-57.2	-57.8	-60.1	-61.9
14	-64.3	-63.1	-63.3	-63.3	-63.3	-64.4	-63.9	-63.0	-63.1	-65.4	-66.3	-66.5
15	-68.9	-67.5	-67.8	-66.7	-66.3	-69.0	-67.9	-67.5	-69.7	-70.2	-70.1	-70.7
16	-72.7	-71.7	-71.1	-69.7	-68.1	-72.0	-69.1	-69.5	-72.1	-73.5	-74.2	-73.0
17	-74.2	-74.3	-73.2	-71.4	-69.0	-71.4	-69.3	-70.0	-71.3	-73.7	-75.2	-73.3
18	-73.4	-74.0	-72.5	-70.5	-68.2	-69.4	-67.8	-67.0	-69.0	-71.4	-73.1	-72.1
19	-69.4	-70.4	-70.8	-68.4	-66.2	-66.4	-65.5	-64.8	-66.6	-68.6	-70.2	-68.4
20	--	--	--	-65.3	--	--	-63.6	-64.1	-64.2	-65.9	-67.2	--

Number of Observations

Surface	124	112	124	117	124	116	125	123	120	123	149	155
5	119	109	121	107	119	110	123	120	114	118	144	151
10	115	102	107	100	109	99	121	112	108	107	140	143
15	95	79	91	89	98	81	108	93	87	84	106	111
18	55	40	52	64	74	61	90	66	59	61	69	63



AVERAGE PRESSURES (Mbs.)

Elevation: 4 meters, m.s.l.

MIAMI, FLA.

47

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1019	1018	1017	1017	1016	1017	1018	1016	1015	1015	1018	1018
0.5	962	960	960	960	960	961	962	961	960	959	961	961
1.0	907	905	905	906	906	908	909	907	906	905	907	907
1.5	855	853	853	854	854	856	858	856	856	854	855	855
2.0	804	802	803	804	805	807	809	807	806	805	805	805
2.5	757	755	757	757	758	761	762	761	760	758	758	758
3.0	713	710	712	713	714	716	717	717	716	714	714	714
4	630	628	629	630	632	635	636	635	635	633	632	631
5	555	554	555	556	558	561	562	562	561	559	558	557
6	488	487	488	489	491	494	495	495	494	493	491	489
7	427	426	428	428	431	433	435	435	434	433	431	429
8	373	372	373	374	376	379	380	381	380	378	376	375
9	324	323	324	325	327	330	332	332	331	329	327	326
10	280	280	281	282	284	287	288	289	288	286	284	282
11	241	241	242	243	245	248	249	250	249	247	245	243
12	207	207	208	208	210	213	214	215	214	213	210	209
13	176	177	177	178	179	182	183	184	183	182	180	178
14	150	150	151	151	153	155	156	157	156	155	153	151
15	127	128	128	128	130	132	133	134	132	131	129	128
16	107	108	108	109	110	111	112	113	112	111	109	108
17	91	91	92	92	93	94	95	96	94	94	92	91
18	76	77	77	78	79	79	80	81	79	79	77	77
19	65	64	66	66	67	67	68	69	68	67	64	65
20	--	--	--	56	57	--	58	59	57	57	56	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	88	85	85	83	84	89	89	89	90	89	85	89
0.5	79	76	80	78	81	86	84	86	85	84	80	81
1.0	77	75	78	75	79	78	79	80	81	83	82	78
1.5	68	67	67	69	74	73	74	76	80	79	78	70
2.0	56	55	58	61	65	70	69	71	75	71	67	57
2.5	48	47	49	52	57	66	64	66	72	62	55	49
3.0	45	42	45	45	50	62	61	63	69	54	48	43
4	39	38	41	37	42	60	58	58	61	46	39	39
5	34	36	37	33	38	58	58	58	58	39	35	36
6	32	35	35	32	36	56	57	56	56	37	33	35
7	31	35	34	31	33	56	55	53	52	36	33	35
8	32	33	34	31	32	54	53	51	51	35	32	34
9	32	32	34	28	33	52	51	49	51	34	31	34
10	--	--	--	--	--	53	52	49	48	35	31	--

Number of Observations (Relative Humidity)

Surface	123	112	124	117	124	116	124	123	120	123	144	155
5	116	104	114	103	115	108	120	116	110	110	141	149
7	114	102	105	102	111	102	122	113	107	110	139	147
9	68	62	72	77	82	86	111	104	94	91	112	96

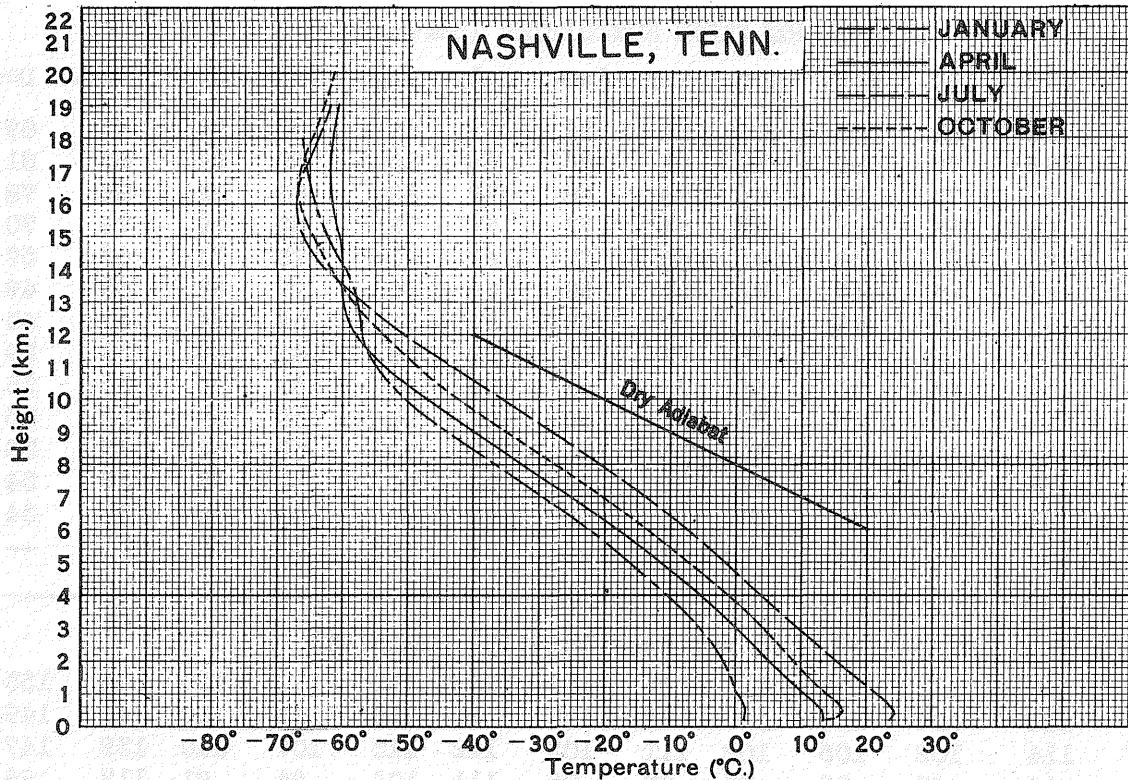
AVERAGE TEMPERATURES °C.

Nashville, Tenn.  
Elevation: 180 meters, m.s.l.

Period of Record: July 1938-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
surface	1.3	3.3	7.2	13.2	17.4	22.6	23.5	23.1	19.3	14.0	6.7	4.4
0.5	1.5	2.6	7.1	13.3	18.3	23.1	24.1	24.1	20.7	16.4	8.2	4.4
1.0	0.3	0.6	4.8	10.8	15.5	20.4	21.7	21.5	18.4	13.8	6.2	3.1
1.5	-0.4	-0.6	2.8	7.8	7.6	17.1	18.4	18.4	15.4	11.2	4.6	2.4
2.0	-1.6	-2.0	0.7	5.3	9.3	14.2	15.4	15.4	12.7	9.0	2.9	1.3
2.5	-3.3	-3.9	-1.3	3.0	6.6	11.4	12.5	12.6	10.3	6.6	1.1	-0.3
3.0	-5.5	-6.1	-3.7	0.3	4.0	8.7	9.7	9.9	7.8	4.2	-1.0	-2.3
4	-10.4	-10.8	-9.4	-5.1	-1.4	3.0	3.9	4.2	2.2	-1.4	-5.7	-7.2
5	-16.3	-16.7	-15.5	-11.3	-7.6	-2.6	-1.8	-1.5	-3.4	-7.3	-11.6	-13.4
6	-23.0	-23.2	-22.1	-18.1	-14.2	-8.4	-7.6	-7.0	-9.4	-13.8	-18.1	-20.0
7	-29.9	-30.2	-29.0	-25.2	-21.1	-14.8	-13.9	-13.1	-16.0	-20.7	-25.2	-27.1
8	-36.9	-37.2	-36.4	-32.6	-28.3	-21.6	-20.8	-19.9	-23.2	-27.8	-32.2	-34.4
9	-44.1	-43.7	-43.6	-40.1	-35.8	-28.9	-28.1	-27.2	-30.7	-35.1	-39.1	-41.4
10	-50.4	-48.7	-50.2	-47.2	-43.3	-36.5	-35.7	-34.9	-37.8	-42.3	-45.6	-48.2
11	-54.8	-53.8	-55.2	-53.6	-50.4	-44.3	-43.4	-42.5	-44.9	-48.7	-51.3	-53.5
12	-57.1	-55.5	-57.7	-58.0	-56.3	-51.5	-50.9	-49.9	-51.5	-54.1	-55.7	-56.8
13	-57.8	-56.5	-57.7	-60.0	-60.2	-57.9	-57.6	-56.7	-57.0	-58.4	-58.7	-59.1
14	-59.7	-58.3	-57.8	-60.0	-61.3	-63.0	-62.9	-62.8	-61.6	-61.8	-61.1	-61.6
15	-62.2	-60.7	-59.0	-60.5	-62.0	-65.0	-66.0	-66.8	-65.2	-64.8	-63.3	-63.6
16	-64.3	-62.4	-60.4	-61.7	-62.8	-66.2	-67.1	-68.5	-67.1	-66.6	-65.0	-65.4
17	-65.7	-63.3	-61.2	-62.0	-63.3	-66.1	-66.1	-67.6	-67.3	-66.6	-65.7	-65.9
18	-66.1	--	-61.3	-61.3	-63.0	-65.0	-63.9	-65.2	-66.0	-64.9	-65.5	-65.6
19	--	--	--	-60.7	-62.1	-62.9	-62.0	-63.0	-64.3	-62.8	-64.7	--
20	--	--	--	--	-60.6	-60.6	--	-60.7	-62.7	-61.2	--	--
21	--	--	--	--	--	--	--	-59.5	-61.1	--	--	--
22	--	--	--	--	--	--	--	--	-60.4	--	--	--

	Number of Observations											
Surface	154	140	155	149	153	150	153	186	178	181	168	186
5	145	132	148	143	153	147	146	182	176	175	161	170
10	119	108	139	137	147	140	141	166	170	147	142	145
15	76	57	91	113	133	138	123	147	154	115	96	103
18	26	--	44	64	100	114	69	96	116	80	62	43







AVERAGE TEMPERATURES °C.

Oakland, Calif.

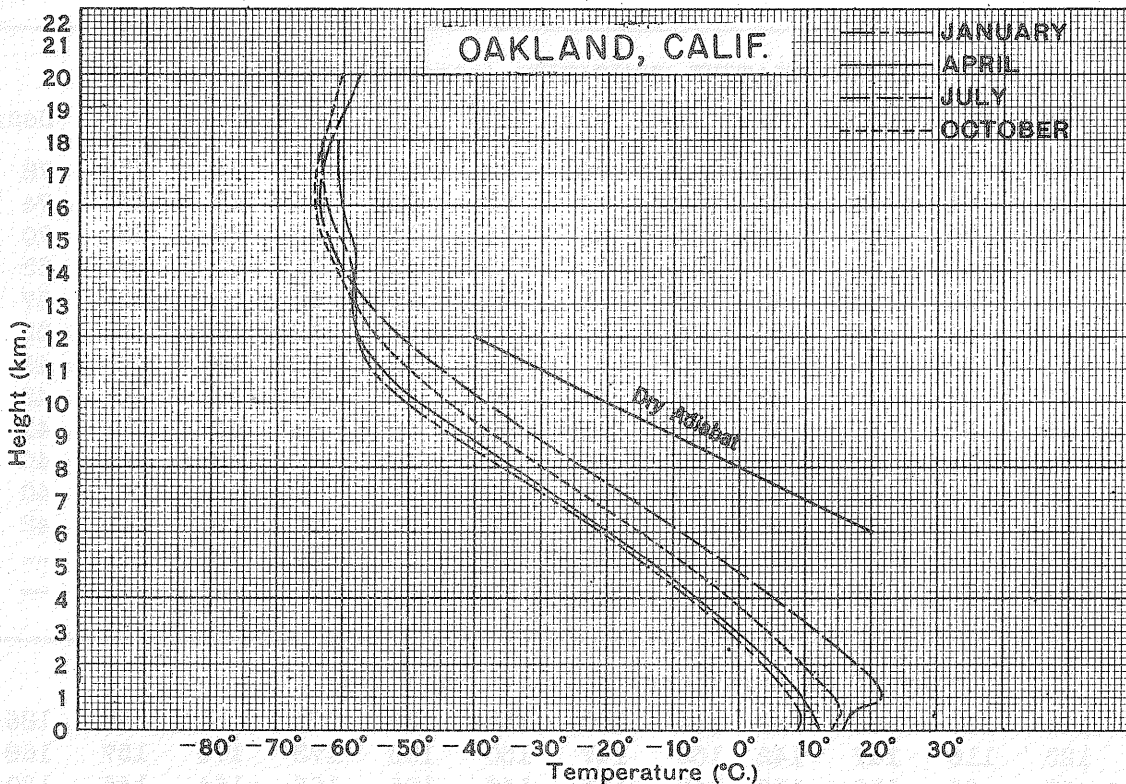
Elevation: 2 meters, m.s.l.

Period of Record: July 1938-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	9.0	10.4	11.7	12.4	14.3	14.7	15.7	15.5	16.2	14.1	10.8	9.8
0.5	9.5	9.2	9.9	10.6	12.5	14.5	16.8	15.7	16.9	15.6	12.6	10.1
1.0	8.0	6.8	8.3	9.9	13.2	16.8	21.8	20.6	17.9	14.3	11.3	8.5
1.5	6.0	4.3	6.1	7.9	11.5	15.1	20.7	19.8	16.2	12.1	9.5	6.7
2.0	3.8	1.8	3.6	5.3	8.9	12.6	18.0	17.4	13.4	9.5	7.4	4.6
2.5	1.1	-0.8	1.0	2.6	6.1	9.8	15.0	14.5	10.4	6.9	4.9	2.1
3.0	-1.5	-3.6	-1.9	-0.2	3.3	6.9	11.9	11.3	7.5	4.1	2.2	-0.9
4	-7.6	-9.4	-7.9	-6.3	-2.6	1.0	5.2	4.8	1.6	-1.8	-3.2	-6.7
5	-14.2	-16.0	-14.5	-12.9	-8.7	-5.3	-1.7	-2.0	-4.8	-8.1	-10.0	-13.2
6	-21.1	-22.8	-21.5	-19.8	-15.6	-12.0	-8.7	-8.9	-11.7	-15.2	-16.7	-20.1
7	-28.4	-30.1	-29.0	-27.1	-23.0	-19.2	-16.0	-16.1	-19.0	-22.6	-23.9	-27.1
8	-36.1	-37.6	-36.6	-34.4	-30.3	-26.6	-23.6	-23.5	-26.7	-29.9	-31.2	-34.7
9	-43.7	-45.0	-44.2	-41.6	-38.0	-34.1	-31.2	-31.2	-34.4	-37.2	-38.8	-42.0
10	-50.8	-51.2	-51.1	-48.4	-45.4	-41.4	-38.6	-38.7	-41.9	-44.1	-46.4	-48.6
11	-56.0	-55.6	-56.7	-54.0	-52.2	-48.3	-45.6	-45.6	-48.3	-50.1	-53.2	-53.8
12	-58.2	-57.2	-59.6	-57.7	-57.2	-53.9	-51.4	-51.1	-53.0	-54.9	-58.0	-57.2
13	-58.1	-57.6	-59.6	-58.3	-59.3	-57.5	-56.0	-56.0	-56.1	-58.0	-60.5	-58.7
14	-58.7	-57.8	-59.0	-58.3	-59.8	-59.5	-60.0	-60.1	-58.7	-60.7	-62.4	-60.1
15	-60.5	-59.2	-59.6	-58.9	-59.9	-60.8	-62.8	-62.9	-61.2	-63.1	-63.5	-62.2
16	-62.1	-61.1	-61.3	-60.1	-60.7	-61.8	-63.9	-64.5	-62.8	-64.6	-64.8	-63.5
17	-63.3	-62.2	-62.3	-60.7	-60.9	-61.8	-63.4	-64.1	-63.1	-64.1	-65.2	-64.0
18	-63.1	-62.7	-61.8	-60.8	-60.4	-61.1	-61.8	-62.5	-62.2	-62.9	-64.3	-63.9
19	--	--	-61.4	--	-60.4	-60.7	-59.8	-60.7	-61.8	-61.4	-63.6	-63.7
20	--	--	--	--	--	-59.5	-57.6	-58.9	-60.2	-60.1	--	--
21	--	--	--	--	--	--	--	-57.9	-59.7	--	--	--

Number of Observations

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	155	140	155	150	155	149	144	186	181	185	178	185
5	152	136	154	148	154	148	143	184	172	177	174	183
10	140	124	140	144	140	144	137	178	160	152	168	169
15	100	95	101	110	116	120	125	155	139	113	121	129
18	49	51	49	52	73	80	81	118	115	72	81	62



AVERAGE PRESSURES (Mbs.)

Elevation: 2 meters, m.s.l.

OAKLAND, CALIF.

51

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1018	1017	1017	1016	1016	1014	1014	1014	1013	1015	1019	1018
0.5	959	958	958	957	958	956	957	957	956	958	960	959
1.0	903	902	902	902	902	901	903	902	902	903	905	903
1.5	850	849	849	849	850	850	852	852	850	851	852	850
2.0	799	798	799	799	800	801	804	803	801	801	802	800
2.5	751	749	750	751	753	754	758	757	755	754	754	752
3.0	706	704	705	705	708	710	714	713	711	709	709	706
4	622	619	621	622	625	628	633	632	629	627	626	622
5	546	543	545	547	551	554	559	558	554	552	551	547
6	478	475	477	479	483	487	492	491	487	484	483	479
7	417	414	416	417	422	426	432	431	427	423	422	418
8	361	359	361	363	368	372	378	377	373	369	367	363
9	312	309	311	313	319	323	328	328	323	320	318	314
10	268	266	268	270	275	280	285	284	280	276	275	270
11	230	228	229	232	237	241	245	245	241	238	236	232
12	196	195	196	198	202	206	211	211	207	204	201	198
13	168	166	167	169	173	176	181	180	177	174	172	169
14	143	142	142	144	147	150	154	154	151	148	146	144
15	122	121	121	123	125	128	131	131	128	126	124	123
16	104	103	103	105	107	109	112	111	110	108	105	104
17	89	88	88	89	91	93	95	95	93	91	89	89
18	76	75	75	76	77	79	80	80	79	77	76	76
19	--	--	--	--	66	68	69	68	67	66	65	64
20	--	--	--	--	--	58	58	58	57	56	--	--
21	--	--	--	--	--	--	--	50	49	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	84	80	79	80	76	78	81	82	80	80	78	82
0.5	74	75	75	75	72	70	69	72	68	64	63	71
1.0	67	71	64	61	53	46	37	39	48	54	53	65
1.5	62	66	57	52	46	37	30	24	41	48	47	58
2.0	56	62	53	47	43	33	27	25	37	44	42	54
2.5	53	58	50	43	39	30	25	23	34	40	38	50
3.0	50	55	47	41	38	27	24	23	32	37	36	47
4.	47	51	46	39	36	25	24	22	32	34	34	45
5	46	50	45	39	36	25	25	25	30	33	34	44
6	45	49	44	38	36	26	24	24	30	37	34	43
7	43	47	44	38	36	27	23	23	30	37	35	43
8	42	47	41	38	35	27	23	22	30	37	34	43
9	--	--	--	32	34	26	23	21	29	35	31	37
10	--	--	--	--	--	23	22	20	23	--	--	--

Number of Observations (Relative Humidity)

Surface	155	140	155	150	155	149	144	186	180	185	178	185
5	149	133	146	145	149	146	141	155	151	169	164	181
7	143	120	143	142	142	126	138	155	147	144	166	171
9	--	--	--	47	79	107	102	144	131	107	65	42

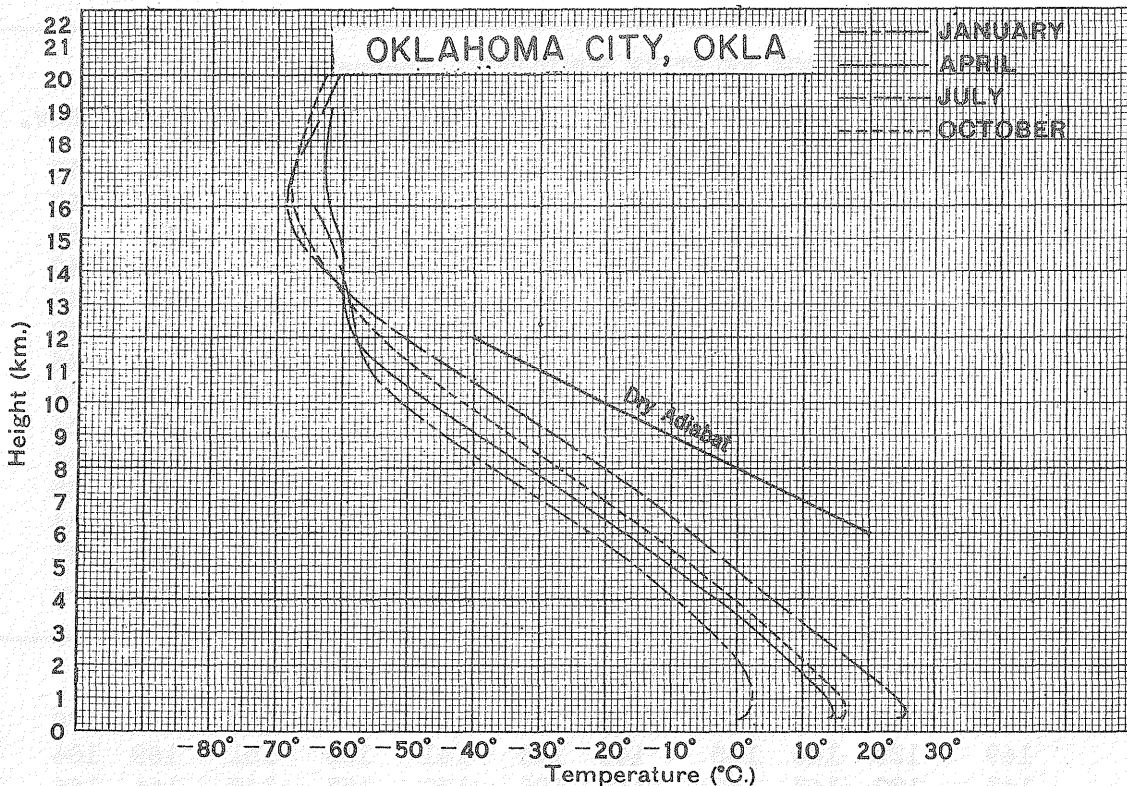
AVERAGE TEMPERATURES °C

Oklahoma City, Okla.  
Elevation: 391 meters, m.s.l.

Period of Record: July 1938-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	0.5	2.9	7.1	13.9	17.8	22.1	24.4	24.4	20.4	15.0	7.0	3.4
0.5	1.5	3.6	8.0	14.6	18.3	22.6	25.4	25.3	21.3	16.5	8.2	4.9
1.0	2.2	3.5	7.3	13.8	17.6	21.4	24.5	24.5	20.7	16.0	8.1	3.4
1.5	2.0	2.9	5.7	11.2	15.2	18.9	21.4	21.7	18.1	13.6	7.0	5.1
2.0	0.8	1.0	3.8	8.7	12.9	16.2	18.4	18.5	15.4	11.0	5.3	3.9
2.5	-1.4	-1.1	1.3	6.3	10.1	13.5	15.1	15.4	12.4	8.2	3.4	1.9
3.0	-3.7	-3.7	-1.7	3.3	7.0	10.5	11.9	12.2	9.4	5.2	1.0	-0.5
4	-9.2	-9.4	-8.1	-3.0	0.4	4.2	5.4	5.7	3.5	-0.4	-4.4	-6.2
5	-15.4	-15.7	-14.7	-10.1	-6.2	-2.4	-0.9	-0.6	-2.4	-6.5	-10.5	-12.5
6	-22.2	-23.0	-21.7	-16.9	-13.0	-8.7	-7.0	-6.4	-8.4	-13.2	-17.2	-19.6
7	-29.7	-30.2	-28.7	-24.3	-20.0	-15.1	-13.3	-12.6	-15.1	-20.1	-24.4	-26.9
8	-37.4	-37.5	-36.1	-32.0	-27.3	-22.1	-20.4	-19.6	-22.5	-27.2	-31.7	-34.2
9	-44.5	-44.8	-43.5	-39.6	-35.0	-29.5	-27.8	-26.8	-30.0	-34.6	-38.8	-41.3
10	-50.9	-50.3	-50.4	-47.0	-42.8	-37.1	-35.3	-34.4	-37.4	-41.9	-45.9	-48.0
11	-55.6	-54.6	-56.0	-53.5	-50.3	-44.5	-43.0	-41.9	-44.6	-48.6	-52.0	-53.7
12	-58.0	-55.5	-58.4	-58.2	-57.0	-51.7	-50.3	-49.3	-51.2	-54.3	-56.6	-57.2
13	-58.7	-56.6	-58.6	-59.9	-61.0	-57.7	-56.9	-56.7	-56.9	-58.6	-59.6	-58.8
14	-60.2	-57.8	-59.3	-60.0	-61.6	-62.1	-62.8	-62.7	-61.8	-62.4	-61.7	-60.6
15	-62.4	-60.2	-60.9	-60.6	-62.0	-63.7	-66.9	-66.9	-66.5	-65.7	-63.9	-63.1
16	-64.6	-62.2	-62.5	-62.1	-62.8	-66.6	-68.0	-70.2	-68.5	-67.6	-65.4	-64.5
17	--	-62.8	-63.0	-62.9	-63.3	-67.2	-67.8	-68.7	-68.9	-67.7	-66.9	-65.0
18	--	--	-62.5	-62.5	-62.9	-65.9	-65.4	-65.7	-67.3	-66.4	-66.5	--
19	--	--	--	-61.8	-62.0	-63.4	-63.8	-63.3	-64.8	-64.3	-65.6	--
20	--	--	--	--	--	-61.3	-60.6	-61.0	-62.7	-62.5	--	--
21	--	--	--	--	--	--	--	-60.2	-61.0	--	--	--

	Number of Observations											
Surface	151	134	152	148	153	149	148	185	180	184	175	181
5	145	131	149	141	152	143	146	182	168	169	167	172
10	124	105	128	129	145	138	139	163	155	157	154	145
15	65	53	79	95	121	125	119	137	132	141	104	92
18	--	--	37	38	71	78	63	97	106	106	65	--



Elevation: 391 meters, m.s.l.

AVERAGE PRESSURES (Mbs.)

OKLAHOMA CITY, OKLA.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	974	971	970	968	968	968	970	969	971	971	974	973
0.5	961	958	957	955	955	956	958	957	958	959	961	959
1.0	904	901	901	901	901	902	905	904	905	904	905	903
1.5	849	847	848	849	850	852	855	854	854	853	852	849
2.0	798	796	797	799	801	803	806	806	805	803	801	798
2.5	750	748	749	752	754	757	760	760	759	756	754	751
3.0	704	702	704	707	710	713	716	716	715	711	708	705
4	620	618	620	624	628	632	635	635	633	629	625	622
5	544	542	544	549	554	558	562	561	559	554	550	546
6	475	474	476	482	486	492	495	495	492	487	482	478
7	414	413	415	421	426	431	435	435	432	426	421	417
8	359	358	360	366	372	377	380	381	378	372	366	363
9	310	309	311	317	322	328	331	332	329	323	317	314
10	267	265	268	273	279	285	288	288	285	279	274	270
11	228	227	229	235	240	246	249	249	246	240	235	232
12	195	194	195	200	205	211	214	215	212	206	201	198
13	167	166	167	171	175	181	183	184	181	176	172	169
14	142	142	142	145	149	154	156	157	154	150	146	144
15	121	121	121	124	127	131	133	133	131	127	124	122
16	103	103	103	106	108	111	113	113	111	108	106	104
17	--	88	88	90	92	94	95	95	94	92	90	89
18	--	--	74	77	78	80	81	81	80	79	76	--
19	--	--	--	65	66	68	69	69	68	66	65	--
20	--	--	--	--	--	58	58	58	57	56	--	--
21	--	--	--	--	--	--	--	50	49	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	75	72	65	70	77	80	72	71	70	70	71	77
0.5	73	70	63	66	72	74	66	66	65	66	66	72
1.0	64	63	57	57	64	67	58	59	59	59	59	60
1.5	58	56	52	56	61	65	60	60	58	57	55	53
2.0	53	53	48	54	56	60	59	61	58	54	52	46
2.5	51	49	46	50	52	56	56	61	57	50	47	43
3.0	49	48	45	48	50	54	53	60	56	49	43	41
4	45	45	44	45	46	51	50	60	53	44	39	39
5	43	43	42	44	43	48	47	54	48	41	35	37
6	43	43	40	42	39	45	41	47	43	39	34	35
7	41	43	40	41	38	40	38	42	40	37	34	35
8	39	44	34	43	40	38	37	43	39	36	33	33
9	--	--	--	48	40	39	36	41	40	36	37	--
10	--	--	--	--	--	43	38	42	41	--	--	--

Number of Observations (Relative Humidity)

Surface	151	134	152	148	153	149	148	185	180	184	177	185
5	142	128	148	137	150	142	145	180	165	167	161	170
7	127	103	138	134	148	141	144	172	160	159	149	154
9	--	--	--	27	68	123	132	142	123	74	41	--

AVERAGE TEMPERATURES °C.

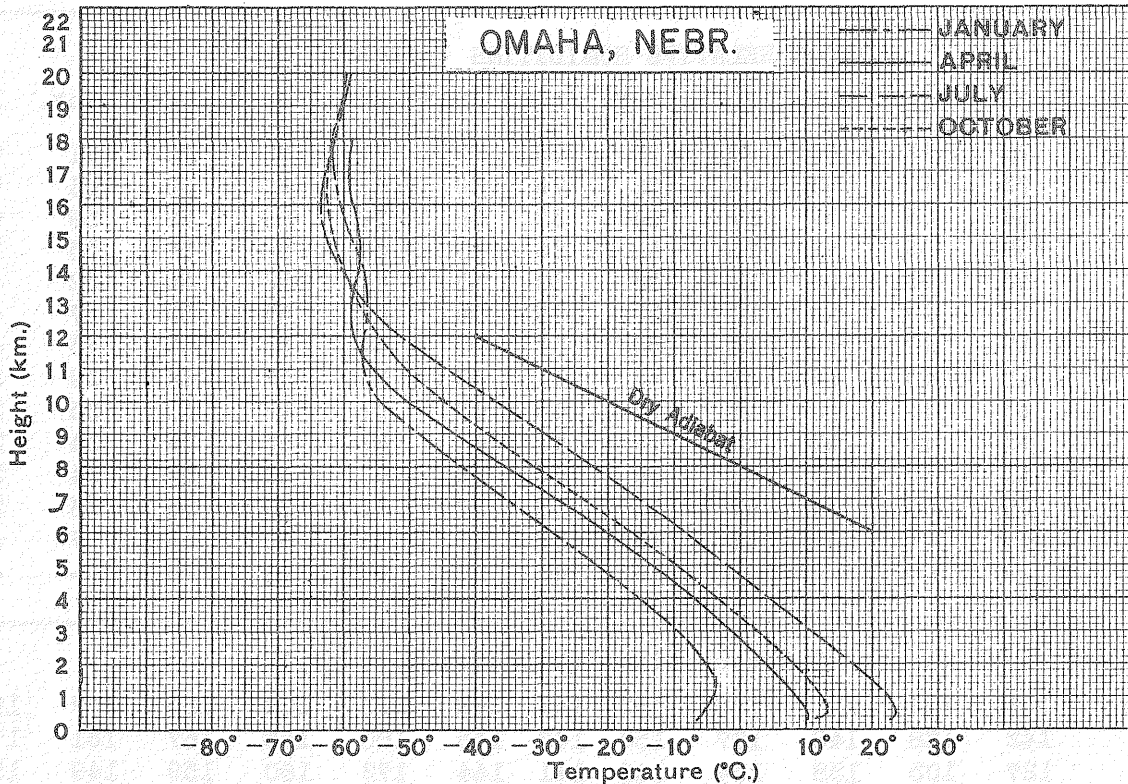
Omaha, Nebr.  
Elevation: 308 meters, m.s.l.

Period of Record: July 1938-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-6.6	-4.6	1.2	10.1	16.9	20.6	22.9	21.9	17.0	11.3	2.1	-2.4
0.5	-3.6	-4.5	1.3	10.1	15.9	20.8	23.8	22.6	18.1	13.1	3.4	-2.1
1.0	-4.1	-4.5	-0.1	8.4	13.7	18.9	22.6	21.5	17.1	12.3	3.0	-0.7
1.5	-3.8	-4.1	-1.4	6.3	11.0	16.3	20.0	19.2	14.8	10.1	2.0	-0.8
2.0	-5.0	-5.6	-2.9	4.0	8.3	13.6	17.1	16.4	12.2	8.0	0.4	-2.1
2.5	-7.1	-7.5	-5.0	1.3	5.5	10.9	14.0	13.5	9.6	5.4	-1.7	-4.2
3.0	-9.6	-10.0	-7.6	-1.4	2.6	8.1	10.8	9.9	6.8	2.6	-4.1	-6.4
4	-15.0	-15.3	-13.5	-7.2	-3.5	2.4	4.1	3.7	0.9	-3.6	-9.7	-11.8
5	-21.3	-21.4	-19.8	-13.6	-9.7	-3.9	-2.4	-2.7	-5.1	-9.8	-15.8	-18.0
6	-28.3	-28.2	-26.5	-20.6	-16.4	-10.3	-8.6	-8.8	-11.3	-16.7	-22.6	-24.9
7	-35.5	-35.8	-34.0	-27.9	-23.6	-17.0	-15.2	-15.2	-18.1	-23.8	-29.8	-32.3
8	-42.6	-43.1	-41.5	-36.0	-31.1	-24.3	-22.2	-22.2	-25.3	-31.2	-37.0	-39.6
9	-48.8	-49.4	-48.4	-43.3	-38.6	-31.8	-29.4	-29.5	-32.9	-38.2	-43.9	-46.2
10	-54.5	-54.0	-53.6	-50.4	-45.7	-39.0	-37.0	-37.0	-40.3	-45.0	-50.0	-51.8
11	-57.1	-55.0	-56.5	-55.3	-52.0	-45.7	-44.5	-44.3	-47.2	-50.7	-54.5	-54.1
12	-57.0	-53.9	-56.8	-58.7	-56.8	-52.6	-51.4	-51.0	-53.4	-54.9	-56.8	-55.5
13	-56.4	-53.5	-56.3	-59.1	-58.5	-57.3	-56.9	-56.8	-57.0	-57.9	-58.8	-56.1
14	-57.1	-54.2	-56.4	-57.9	-58.3	-60.8	-60.4	-61.1	-60.0	-60.0	-59.3	-57.0
15	-58.9	-55.5	-57.4	-57.8	-58.7	-61.0	-62.7	-63.9	-62.5	-61.6	-60.8	-58.8
16	-60.5	-57.4	-59.3	-58.6	-59.2	-62.2	-63.9	-64.8	-63.6	-62.4	-61.6	-59.8
17	-61.7	-58.5	-59.2	-59.3	-59.7	-62.4	-62.9	-63.4	-63.7	-62.5	-62.0	-60.7
18	-61.9	-59.4	-59.9	-58.9	-59.4	-61.4	-61.6	-61.1	-62.6	-61.9	-61.6	-60.9
19	--	--	--	--	-58.8	-59.3	-60.1	-59.6	-60.9	-60.3	--	-60.8
20	--	--	--	--	-58.6	-58.8	-58.9	-58.0	-59.1	-59.9	--	--

Number of Observations

Surface	155	140	154	135	155	149	151	186	190	185	178	185
5	151	135	149	130	153	145	145	179	175	177	171	181
10	139	124	144	120	144	137	139	172	159	161	157	143
15	91	100	112	92	112	105	124	147	138	126	112	112
18	27	30	35	35	65	80	82	101	100	75	39	45



AVERAGE PRESSURES (Mbs.)

Elevation: 308 meters, m.s.l.

OMAHA, NEBR.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	984	983	981	979	978	978	980	979	981	981	984	983
0.5	960	958	957	956	956	955	958	957	959	958	960	959
1.0	900	899	899	900	901	902	905	904	904	903	902	900
1.5	845	844	845	847	849	851	854	853	853	850	848	846
2.0	793	792	793	797	799	802	805	804	803	800	797	794
2.5	744	743	744	749	752	755	759	758	757	753	749	745
3.0	697	696	698	703	707	711	715	715	712	708	703	699
4	612	611	613	620	624	630	634	633	630	625	619	615
5	536	534	537	545	549	556	560	559	556	550	543	539
6	467	466	469	477	482	489	493	492	489	482	475	470
7	405	404	407	416	421	429	432	432	428	422	413	409
8	350	349	352	361	366	375	378	378	374	367	359	354
9	301	300	303	312	317	326	329	329	325	318	310	305
10	258	258	260	268	274	282	284	285	282	274	266	262
11	221	221	222	230	235	244	247	246	243	236	229	225
12	189	189	190	196	201	209	212	212	208	202	195	192
13	161	161	162	167	172	179	182	181	178	172	167	164
14	138	137	139	143	146	152	155	155	152	147	142	140
15	117	117	118	122	125	130	132	132	129	125	121	119
16	100	101	101	104	107	111	112	112	110	106	103	102
17	85	86	87	89	91	94	95	95	94	91	88	87
18	73	74	74	76	77	80	81	81	79	78	75	74
19	--	--	--	--	66	68	69	69	68	66	--	63
20	--	--	--	--	57	58	59	58	58	55	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	81	81	77	67	70	78	75	77	75	71	75	79
0.5	77	75	72	63	63	71	65	68	66	61	69	74
1.0	67	67	70	62	60	67	58	61	59	55	62	62
1.5	61	61	65	60	60	66	56	59	56	54	56	57
2.0	57	59	61	57	58	63	53	56	55	51	51	55
2.5	56	58	58	57	57	61	51	55	53	49	49	54
3.0	55	57	59	56	58	57	50	54	50	48	48	53
4	56	56	57	53	53	52	52	54	48	47	44	53
5	54	55	53	50	49	48	50	51	45	44	42	52
6	51	56	54	47	45	44	44	45	41	42	40	49
7	46	54	49	45	43	43	40	41	39	41	39	48
8	--	--	--	40	44	41	37	39	38	39	37	50
9	--	--	--	--	44	43	38	38	40	42	--	--
10	--	--	--	--	--	48	40	40	45	--	--	--

Number of Observations (Relative Humidity)

Surface	155	140	155	135	155	149	151	186	179	185	178	185
5	135	127	136	125	148	141	139	177	170	171	161	170
7	68	63	93	93	139	125	133	172	159	161	133	130
9	--	--	--	--	36	85	118	147	104	48	--	--

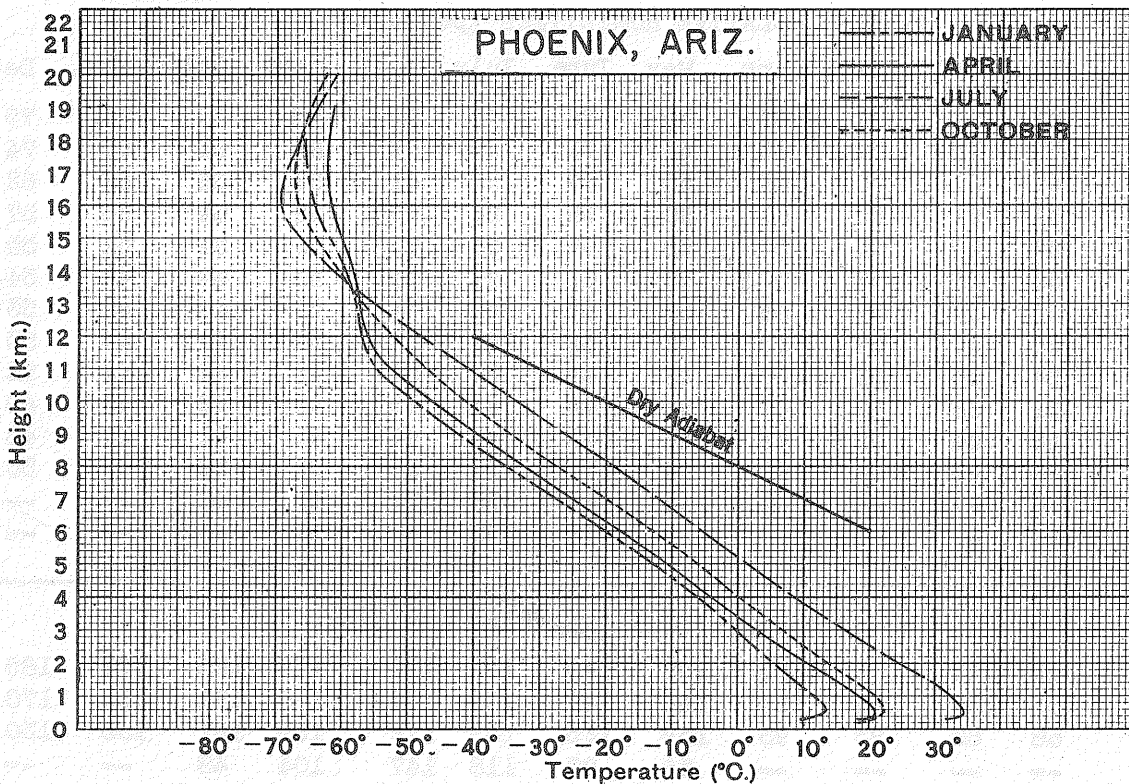
AVERAGE TEMPERATURES °C

Phoenix, Ariz.  
Elevation: 339 meters, m.s.l.

Period of Record: July 1939-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	9.6	11.5	14.4	18.1	23.6	28.0	31.7	29.7	25.9	18.4	12.6	9.9
0.5	13.3	14.8	18.0	21.0	27.1	31.4	34.4	31.7	29.2	22.5	17.5	13.9
1.0	11.7	12.5	15.5	18.4	24.9	29.2	32.5	29.8	27.6	21.0	16.8	13.0
1.5	8.6	8.9	11.7	14.5	21.1	25.3	28.9	26.3	23.9	17.3	13.5	10.0
2.0	5.4	5.3	7.7	10.3	16.8	21.1	24.7	22.2	20.2	13.5	10.0	6.9
2.5	2.6	2.1	4.0	6.3	12.8	16.9	20.5	18.2	15.8	9.8	7.0	4.0
3	-0.2	-0.8	0.7	2.6	8.9	13.0	16.4	14.4	11.8	6.5	4.0	1.4
4	-6.0	-6.5	-5.3	-4.0	1.8	5.8	8.5	7.2	4.7	-0.1	-1.6	-4.6
5	-12.6	-13.0	-10.6	-4.9	-1.1	1.1	0.5	-1.3	-6.3	-8.2	-11.0	
6	-19.8	-19.9	-18.9	-17.8	-11.8	-8.2	-5.8	-5.6	-7.4	-13.0	-15.0	-18.3
7	-27.3	-27.2	-26.4	-25.2	-19.3	-15.4	-12.0	-11.7	-14.1	-20.2	-22.4	-25.6
8	-35.1	-34.6	-34.0	-32.7	-27.2	-23.0	-18.8	-19.5	-21.4	-27.5	-29.9	-33.0
9	-42.5	-42.0	-41.4	-39.9	-35.0	-30.9	-26.2	-25.9	-28.9	-34.8	-37.4	-40.3
10	-49.4	-48.3	-48.2	-46.6	-42.7	-38.6	-33.7	-33.5	-36.3	-41.4	-44.8	-46.9
11	-55.0	-53.5	-54.0	-52.4	-50.0	-45.7	-41.1	-41.2	-43.3	-47.4	-51.3	-52.2
12	-57.1	-56.4	-57.9	-56.1	-55.8	-51.9	-48.4	-48.9	-49.9	-52.6	-56.4	-56.1
13	-58.0	-58.1	-58.6	-57.4	-59.7	-56.3	-55.4	-56.4	-55.8	-56.8	-60.0	-58.6
14	-59.5	-59.3	-59.0	-58.4	-60.8	-59.8	-61.6	-63.0	-61.2	-60.5	-62.6	-61.3
15	-62.0	-61.3	-60.9	-60.1	-61.2	-62.6	-66.6	-67.6	-65.8	-64.0	-64.7	-63.9
16	-64.0	-63.2	-63.0	-61.6	-62.0	-64.8	-69.4	-69.3	-68.7	-66.7	-66.7	-66.6
17	-65.6	-64.2	-64.0	-62.5	-62.7	-65.7	-69.8	-68.3	-68.6	-67.3	-67.3	-67.1
18	-65.7	-65.0	-63.6	-62.0	-62.3	-64.3	-66.4	-65.8	-66.8	-66.2	-67.1	-66.7
19	--	--	-63.0	-61.3	-61.2	-61.8	-63.3	-63.2	-64.9	-64.4	-65.3	-65.2
20	--	--	--	--	--	--	-61.0	-60.7	-62.5	-62.4	--	--
21	--	--	--	--	--	--	--	--	-60.8	--	--	--

	Number of Observations											
Surface	124	113	124	118	123	120	117	150	149	152	148	153
5	123	107	121	112	119	118	116	147	145	147	141	145
10	111	95	113	110	104	117	113	139	137	132	125	134
15	83	65	93	83	90	105	89	112	119	104	104	108
18	41	31	55	54	64	73	74	78	93	77	56	59





AVERAGE PRESSURES (Mbs.)

Elevation: 339 meters, m.s.l.

PHOENIX, ARIZ.

57

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	978	976	973	971	969	968	970	970	970	973	976	977
0.5	959	958	955	953	952	951	953	953	953	955	958	959
1.0	904	902	901	899	899	899	901	901	900	902	903	903
1.5	851	850	849	848	849	849	852	852	851	851	852	851
2.0	801	799	799	799	801	802	805	804	803	802	802	801
2.5	753	752	752	752	754	756	760	759	757	755	755	753
3.0	707	706	706	707	710	713	717	716	714	711	710	708
4	624	622	623	624	629	632	637	635	632	628	627	625
5	548	547	548	549	555	559	563	562	559	554	553	549
6	480	479	480	481	488	492	497	495	492	487	485	481
7	419	418	419	420	428	432	437	436	432	426	424	420
8	363	363	364	365	373	377	382	382	378	372	369	365
9	314	314	315	316	324	328	333	333	329	322	320	316
10	271	270	271	273	280	285	290	290	286	279	277	273
11	232	232	233	234	241	246	251	251	247	241	238	234
12	198	198	199	200	206	211	216	216	213	206	203	200
13	169	169	169	171	176	180	186	185	182	177	174	171
14	144	144	145	146	150	154	158	158	155	151	148	146
15	123	123	123	124	128	131	135	134	132	128	125	124
16	105	105	105	106	109	111	114	113	112	109	106	106
17	89	89	89	90	93	94	96	96	95	92	90	90
18	76	76	76	77	79	80	81	81	80	78	77	76
19	--	--	64	66	67	68	69	69	68	66	65	63
20	--	--	--	--	--	--	59	58	58	57	--	--
21	--	--	--	--	--	--	--	--	49	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	67	60	51	47	33	27	36	48	52	54	58	71
0.5	57	53	44	40	28	22	29	40	40	42	45	57
1.0	50	48	39	36	25	20	26	37	34	36	37	48
1.5	49	48	39	37	24	21	27	39	36	37	37	46
2.0	49	49	40	39	25	22	30	45	39	39	38	46
2.5	49	48	42	41	26	24	33	50	43	41	38	44
3.0	47	46	42	42	27	26	37	55	47	42	37	41
4	43	42	38	42	31	28	44	59	50	41	32	36
5	41	41	36	40	32	30	49	60	45	36	30	35
6	39	40	35	39	30	28	50	58	38	33	30	34
7	38	39	34	39	30	28	44	51	34	32	31	33
8	38	37	33	37	30	27	42	46	32	33	34	33
9	39	33	33	32	30	27	40	42	31	29	31	29
10	--	--	--	--	--	25	38	45	33	27	--	--

Number of Observations (Relative Humidity)

Surface	124	112	124	117	123	120	116	151	150	152	148	154
5	119	102	117	106	111	116	111	145	144	143	137	144
7	112	100	112	101	104	115	111	137	137	134	134	132
9	35	30	35	43	82	106	108	135	106	85	64	56

AVERAGE TEMPERATURES °C.

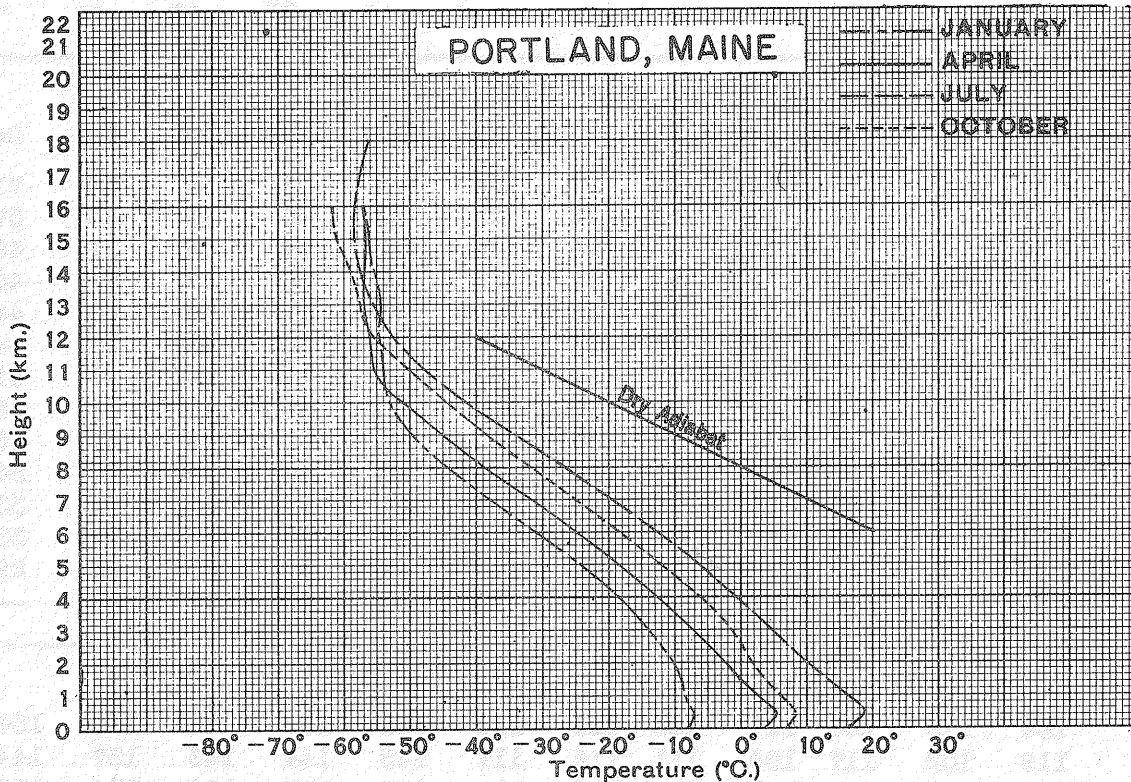
Portland, Maine  
Elevation: 20 meters, m.s.l.

Period of Record: June-July 1940  
November 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-8.2	-6.0	-2.0	3.6	9.6	14.0	16.4	15.2	12.0	7.0	1.6	-5.2
0.5	-7.3	-6.4	-2.4	5.3	12.2	16.3	18.9	17.3	14.3	8.1	2.3	-4.4
1.0	-8.6	-8.3	-4.9	2.5	9.9	14.4	16.1	14.6	12.2	6.0	-0.1	-5.8
1.5	-9.0	-9.4	-6.7	-0.3	7.0	11.6	13.0	11.4	10.0	3.6	-1.6	-6.9
2.0	-10.1	-11.2	-8.1	-2.4	3.9	8.8	9.6	8.5	8.3	1.8	-3.4	-8.1
2.5	-12.0	-13.2	-9.8	-4.7	1.0	6.2	7.0	5.9	6.5	0.1	-5.6	-9.8
3.0	-14.0	-15.3	-12.2	-7.2	-1.5	3.7	4.5	3.4	4.0	-1.7	-7.7	-11.8
4	-18.5	-21.0	-17.3	-12.7	-7.2	-2.0	-0.8	-1.7	-1.1	-6.7	-12.7	-16.8
5	-24.3	-26.6	-22.7	-18.9	-13.6	-7.8	-6.5	-7.6	-6.7	-12.5	-18.4	-22.5
6	-31.0	-33.0	-29.6	-25.0	-20.2	-14.4	-12.8	-13.8	-12.5	-18.8	-24.9	-29.9
7	-37.8	-39.7	-36.6	-31.8	-27.0	-20.7	-19.5	-20.7	-19.4	-25.2	-31.5	-35.0
8	-44.1	-46.1	-43.8	-38.6	-34.1	-27.9	-26.6	-27.9	-26.6	-32.0	-38.3	-41.3
9	-49.5	-49.0	-48.9	-45.1	-41.0	-35.2	-34.2	-35.1	-34.1	-38.5	-44.7	-46.7
10	-53.1	-50.8	-52.3	-51.2	-47.2	-42.4	-41.5	-42.0	-41.4	-44.5	-49.9	-50.8
11	-54.0	-51.1	-53.4	-55.5	-52.4	-49.3	-47.9	-47.6	-47.9	-50.1	-54.0	-53.5
12	-54.7	-50.4	-53.2	-56.1	-53.3	-52.8	-51.4	-53.6	-54.8	-56.8	-54.3	-54.3
13	-54.3	-50.8	-52.6	-56.0	-57.3	-57.0	-55.8	-53.8	-57.8	-57.5	-58.3	-55.2
14	-55.5	-52.1	-53.0	-56.9	-57.6	-59.0	-57.3	-55.8	-61.1	-59.0	-58.8	-57.1
15	-56.2	-53.5	-54.5	-56.6	-57.8	-59.8	-58.7	-57.9	-62.9	-61.1	-59.1	-58.8
16	-57.2	--	--	-57.3	-58.2	-60.0	-58.2	-58.3	-62.6	-61.8	-60.8	-59.6
17	--	--	--	--	-58.3	-59.1	-57.5	-58.0	--	--	--	--
18	--	--	--	--	--	-58.2	-56.3	--	--	--	--	--

Number of Observations

Surface	91	84	93	88	89	120	106	93	89	91	115	118
5	89	76	87	83	76	110	97	89	82	85	112	116
10	81	65	78	68	60	86	90	78	69	57	94	86
15	37	30	35	42	39	67	59	46	37	41	57	45
18	--	--	--	--	--	36	32	--	--	--	--	--



AVERAGE PRESSURES (Mbs.)

Elevation: 20 meters, m.s.l.

PORTLAND, MAINE

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1014	1007	1011	1013	1013	1011	1012	1011	1015	1014	1014	1014
0.5	954	947	952	955	957	956	957	956	959	957	955	954
1.0	895	888	894	898	901	901	903	902	904	900	898	895
1.5	838	833	838	844	848	849	851	850	852	847	843	840
2.0	786	780	786	793	798	800	802	800	802	796	792	787
2.5	736	731	737	744	750	752	755	753	754	748	743	738
3.0	690	684	690	698	705	708	710	708	710	703	697	691
4	603	598	605	613	620	625	628	626	627	619	612	606
5	527	522	529	537	545	551	553	551	553	544	537	530
6	459	454	461	469	476	483	486	484	486	477	469	462
7	397	393	399	408	416	423	426	423	426	416	408	401
8	343	338	345	353	361	368	371	369	371	362	353	347
9	295	291	297	305	313	320	322	320	322	314	305	299
10	253	250	254	263	269	277	279	277	278	271	262	257
11	217	215	218	226	232	238	240	239	240	233	225	221
12	186	184	186	193	198	204	206	205	206	200	192	188
13	159	158	160	164	169	175	176	175	176	171	164	161
14	136	136	137	141	144	149	150	150	150	145	140	138
15	117	117	117	121	123	127	128	128	128	124	120	118
16	100	--	--	103	105	108	109	109	109	105	102	100
17	--	--	--	--	90	92	93	93	--	--	--	--
18	--	--	--	--	--	79	79	--	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	71	72	74	74	86	86	90	88	87	85	82	77
0.5	71	74	68	63	71	72	68	68	71	73	76	76
1.0	70	71	66	63	68	71	66	68	68	71	74	74
1.5	66	71	66	63	68	71	69	70	68	69	71	72
2.0	64	68	64	62	68	72	70	68	61	66	68	69
2.5	63	66	61	59	68	67	64	65	56	59	65	66
3.0	62	64	61	58	67	64	60	62	55	52	63	63
4	62	62	59	56	60	57	53	56	51	48	58	59
5	61	61	55	53	57	53	47	46	46	47	55	58
6	60	58	54	50	52	48	44	38	43	44	52	56
7	61	--	51	44	52	46	42	36	38	43	51	52
8	--	--	--	--	47	46	41	37	39	40	51	53
9	--	--	--	--	--	47	44	38	39	--	--	--

Number of Observations (Relative Humidity)

Surface	90	83	89	79	89	120	105	93	89	88	113	115
5	79	65	80	72	71	103	90	82	77	79	109	106
7	38	--	42	51	58	89	86	78	65	63	81	65
9	--	--	--	--	--	44	51	39	35	--	--	--

AVERAGE TEMPERATURES °C.

St. Louis, Mo.

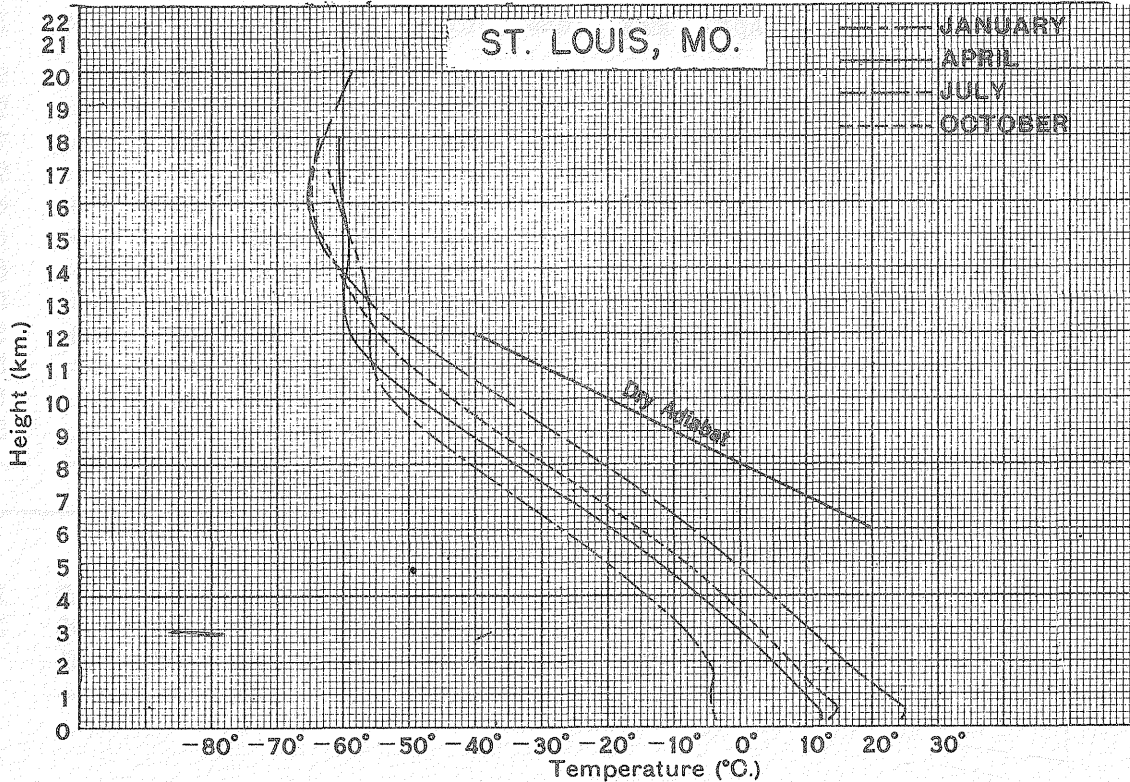
Elevation: 171 meters, m.s.l.

Period of Record: September 1939-July 1940

January 1941-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-3.6	0.4	4.3	12.3	16.8	22.0	24.6	24.2	19.2	13.5	6.0	0.7
0.5	-4.2	-0.4	3.5	12.1	16.6	22.5	25.0	24.6	20.2	14.7	6.5	1.0
1.0	-4.5	-2.2	1.5	9.7	13.9	19.6	22.0	21.8	17.7	12.2	4.8	0.2
1.5	-4.1	-3.1	-0.5	7.2	11.0	16.4	18.8	18.7	15.1	9.6	3.4	0.0
2.0	-4.8	-4.4	-2.4	4.8	8.6	13.7	15.6	16.0	12.6	7.6	1.8	-1.0
2.5	-6.5	-6.7	-4.4	2.3	5.9	11.2	12.7	13.2	10.1	5.2	-0.3	-2.7
3.0	-8.9	-9.0	-6.9	-0.3	3.2	8.5	10.1	10.4	7.3	2.6	-2.6	-4.8
4	-14.2	-14.1	-12.3	-6.1	-2.6	2.8	4.4	4.7	1.9	-2.8	-8.0	-10.1
5	-20.3	-20.4	-18.6	-12.5	-8.6	-3.4	-1.5	-0.9	-3.9	-8.9	-14.1	-16.3
6	-26.9	-27.0	-25.5	-19.3	-15.3	-9.5	-7.5	-6.6	-10.0	-15.3	-20.9	-23.2
7	-33.9	-33.9	-32.8	-26.6	-22.4	-16.0	-13.9	-12.9	-16.7	-22.2	-28.2	-30.2
8	-40.3	-40.9	-40.1	-34.2	-29.7	-22.9	-21.0	-19.6	-24.0	-29.6	-35.5	-37.1
9	-47.5	-47.5	-47.1	-41.5	-37.3	-30.2	-28.3	-26.7	-31.4	-36.9	-42.7	-43.9
10	-52.9	-52.8	-52.9	-48.6	-44.7	-37.7	-35.9	-34.1	-38.8	-43.7	-49.0	-49.9
11	-55.8	-55.3	-55.7	-55.0	-51.3	-45.3	-43.5	-41.7	-45.7	-49.9	-54.3	-54.2
12	-56.0	-54.8	-57.3	-59.0	-56.5	-52.1	-50.5	-48.9	-52.2	-54.6	-57.4	-56.2
13	-56.3	-54.7	-56.7	-60.0	-59.3	-57.9	-56.1	-55.8	-57.6	-58.1	-58.6	-57.0
14	-57.4	-56.2	-56.9	-59.2	-59.8	-61.3	-60.9	-61.5	-62.3	-60.9	-60.2	-58.0
15	-59.1	-58.0	-57.8	-59.2	-60.1	-63.0	-63.9	-66.0	-65.9	-63.4	-61.7	-59.8
16	-60.8	-59.4	-58.9	-60.3	-60.4	-63.8	-65.4	-67.9	-67.5	-64.7	-62.9	-61.1
17	-62.1	-60.2	-59.3	-60.7	-60.7	-63.6	-64.5	-67.3	-67.9	-64.6	-64.2	-62.5
18	--	--	-58.4	-60.5	-60.4	-63.0	-62.5	-64.5	-65.2	-63.9	--	--
19	--	--	--	--	-58.9	-61.5	-60.6	-62.4	-62.9	--	--	--
20	--	--	--	--	--	-59.6	-58.7	-60.7	-61.0	--	--	--

	Number of Observations											
Surface	111	113	124	120	124	120	106	93	121	122	120	123
5	109	109	120	118	119	118	105	90	117	119	112	114
10	98	99	109	96	110	113	102	85	113	110	106	86
15	59	58	70	69	91	103	90	79	92	91	80	53
18	--	--	30	41	61	60	60	55	69	51	--	--



AVERAGE PRESSURES (Mbs.)

Elevation: 171 meters, m.s.l.

ST. LOUIS, MO.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1000	998	996	996	994	994	996	995	997	997	1000	999
0.5	959	957	957	957	957	957	959	959	960	959	961	959
1.0	900	899	900	902	902	904	906	905	906	904	904	901
1.5	845	844	845	849	850	853	855	854	854	851	850	846
2.0	793	792	794	799	800	804	806	805	805	801	799	795
2.5	744	743	745	751	753	757	760	759	758	754	751	746
3.0	697	697	699	705	708	713	716	715	713	709	705	700
4	612	612	614	622	625	631	634	634	631	626	621	616
5	536	535	538	547	551	557	560	560	557	551	545	541
6	468	467	470	479	483	490	493	494	490	483	477	472
7	406	406	408	417	423	430	434	434	430	423	416	411
8	352	351	353	363	368	376	379	379	376	368	361	357
9	303	302	304	314	319	327	330	331	327	319	312	308
10	260	260	261	271	276	284	287	288	283	276	268	265
11	223	223	224	232	237	245	248	249	245	237	230	228
12	190	190	191	198	203	210	213	214	210	204	197	195
13	163	163	163	169	173	180	183	184	180	174	168	166
14	139	139	139	144	147	153	156	157	153	148	143	142
15	119	119	119	123	126	130	132	133	130	126	122	121
16	102	101	101	105	107	111	113	113	111	107	104	103
17	87	86	87	89	91	94	96	96	94	91	89	88
18	--	--	74	76	78	80	81	81	79	77	--	--
19	--	--	--	--	66	68	69	69	68	--	--	--
20	--	--	--	--	--	58	59	59	58	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	76	73	68	69	74	79	72	73	73	73	73	79
0.5	76	71	64	63	66	69	63	61	61	62	66	74
1.0	73	69	63	62	65	68	64	62	59	61	64	68
1.5	67	65	61	61	65	69	66	63	59	60	59	61
2.0	62	62	60	60	62	65	66	57	55	57	54	54
2.5	58	61	59	57	60	59	60	55	50	51	52	49
3.0	56	59	58	55	58	57	54	51	48	48	49	46
4	53	56	56	51	52	55	50	50	47	46	49	43
5	50	53	53	49	49	53	45	48	44	40	44	38
6	48	52	51	47	45	49	42	43	40	39	43	42
7	43	52	49	45	44	45	39	38	38	39	39	40
8	--	--	--	44	44	45	38	38	37	37	37	39
9	--	--	--	--	48	46	39	42	37	42	--	--
10	--	--	--	--	--	--	40	--	33	--	--	--

Number of Observations (Relative Humidity)

Surface	111	113	123	120	124	120	106	93	121	122	120	123
5	105	104	113	118	116	114	102	87	117	116	107	115
7	72	75	86	106	113	111	98	87	116	109	79	70
9	--	--	--	--	49	85	71	32	67	30	--	--

AVERAGE TEMPERATURES °C.

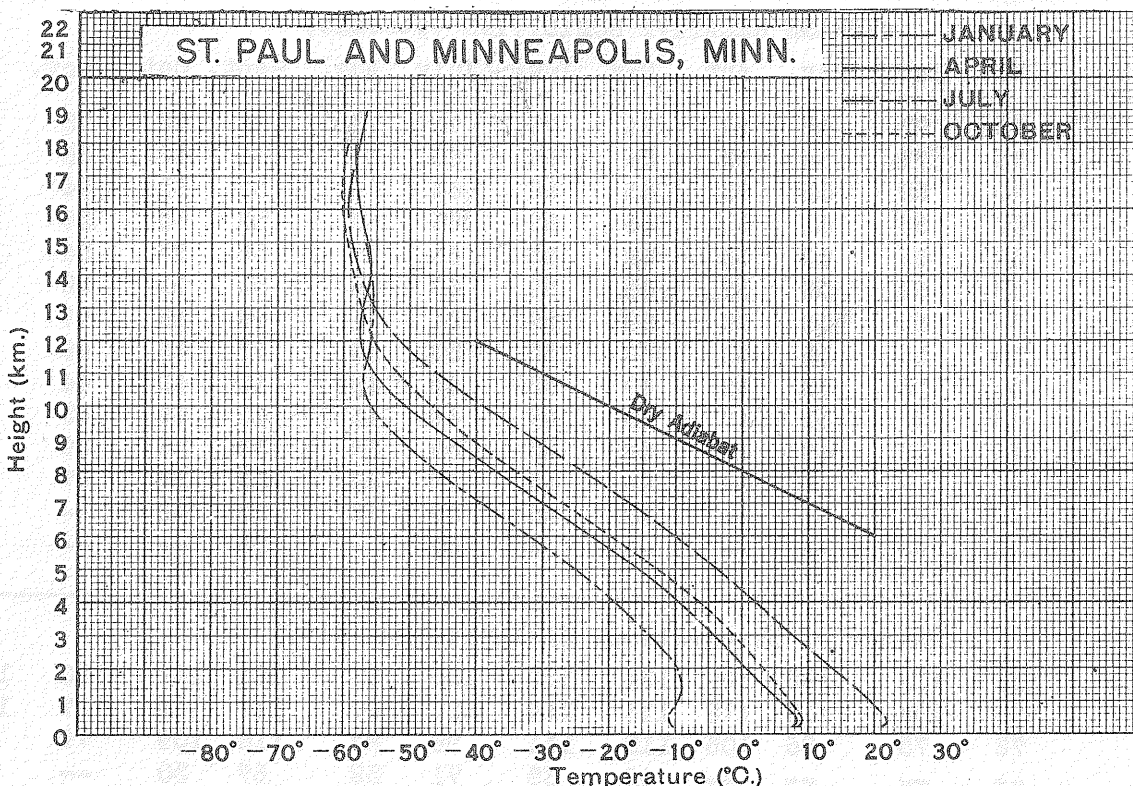
St. Paul & Minneapolis, Minn.  
Elevation: 265 meters, m.s.l.

Period of Record: September 1939-July 1940  
January 1941-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-10.7	-7.6	-2.7	8.0	13.1	18.9	21.2	20.5	14.2	8.2	0.4	-5.0
0.5	-11.0	-8.1	-3.4	8.1	12.9	18.9	21.7	20.8	14.4	9.1	0.6	-5.2
1.0	-9.9	-8.9	-5.2	5.6	10.4	16.5	19.4	18.4	12.3	7.2	-0.5	-5.0
1.5	-9.5	-8.9	-6.7	3.0	7.7	13.7	16.5	15.5	10.1	5.2	-1.3	-4.9
2.0	-10.0	-9.8	-8.2	0.6	5.1	11.1	13.5	13.0	7.8	3.4	-2.9	-5.9
2.5	-11.7	-11.5	-10.1	-1.7	2.6	8.6	10.5	10.5	5.3	1.3	-4.3	-7.2
3.0	-14.0	-13.6	-12.3	-4.1	-0.2	6.0	7.6	7.8	2.8	-1.0	-7.0	-10.1
4	-19.4	-18.6	-17.6	-9.7	-5.9	0.3	2.0	2.1	-2.6	-6.5	-12.4	-15.3
5	-25.4	-24.7	-23.5	-16.0	-12.1	-5.8	-3.8	-3.9	-8.6	-12.7	-18.8	-21.6
6	-31.8	-31.4	-30.0	-22.8	-18.9	-12.2	-10.3	-10.1	-15.0	-20.0	-25.3	-28.3
7	-39.2	-38.6	-37.2	-30.0	-26.2	-19.0	-17.0	-16.7	-21.8	-27.0	-32.4	-35.4
8	-45.9	-45.6	-44.4	-37.5	-33.7	-26.4	-24.3	-23.6	-28.8	-34.3	-39.7	-42.2
9	-51.5	-51.5	-50.7	-44.4	-41.0	-33.9	-31.7	-30.8	-35.9	-41.3	-46.5	-48.1
10	-55.9	-54.7	-55.4	-50.9	-47.6	-41.2	-39.1	-38.0	-42.5	-47.0	-51.9	-52.3
11	-56.9	-54.1	-56.1	-55.6	-52.7	-47.6	-45.9	-44.8	-48.1	-51.8	-55.2	-53.8
12	-56.1	-52.4	-54.8	-57.3	-55.1	-52.8	-51.6	-50.4	-52.2	-55.3	-56.5	-53.8
13	-55.4	-51.8	-53.9	-57.0	-55.6	-56.5	-55.3	-55.3	-55.6	-56.9	-57.2	-54.0
14	-55.8	-52.8	-54.2	-56.0	-55.4	-58.3	-57.4	-59.0	-58.2	-58.5	-57.3	-54.4
15	-56.5	-53.9	-54.7	-56.4	-55.7	-58.9	-58.8	-61.2	-60.3	-59.4	-58.0	-55.7
16	--	-54.8	-55.7	-57.5	-56.3	-58.8	-59.6	-61.6	-60.9	-60.0	-58.9	-56.4
17	--	-55.3	-56.7	-58.1	-56.4	-58.5	-58.7	-60.6	-61.0	-60.1	-59.6	--
18	--	--	--	-58.0	-55.4	-58.0	-58.0	-58.5	-60.3	-59.4	--	--
19	--	--	--	--	--	-56.8	-56.7	--	--	--	--	--

Number of Observations

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Surface	123	112	124	117	124	116	105	93	121	124	119	124
5	116	110	121	116	117	110	103	89	117	122	112	118
10	89	93	106	106	101	97	99	78	109	103	104	82
15	42	64	74	76	71	81	82	56	66	71	58	42
18	--	--	--	31	32	47	45	29	40	38	--	--



AVERAGE PRESSURES (Mbs.)

Elevation: 225 meters, m.s.l.

ST. PAUL-MINNEAPOLIS, MINN. 63

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	991	990	988	988	985	985	988	987	988	987	990	989
0.5	958	957	956	957	955	955	957	956	957	956	958	956
1.0	898	897	897	900	900	901	904	903	902	900	900	897
1.5	841	841	841	847	847	850	853	852	850	847	846	842
2.0	788	788	789	796	797	800	803	802	800	796	794	790
2.5	739	739	740	747	749	754	757	756	753	749	745	741
3.0	692	692	693	702	704	709	713	711	708	703	699	694
4	605	606	607	617	621	627	631	630	625	620	614	609
5	529	529	531	542	546	553	557	556	550	545	538	533
6	460	460	462	473	478	486	490	489	483	477	470	465
7	398	399	401	412	417	426	430	429	422	416	408	403
8	344	344	346	357	362	371	375	375	368	361	354	349
9	295	295	297	309	313	323	326	326	319	312	305	301
10	253	253	255	265	270	279	283	283	276	269	262	258
11	216	217	218	227	232	241	244	244	238	231	225	221
12	185	185	186	194	199	207	209	210	204	198	192	189
13	158	159	159	166	170	177	179	180	175	169	164	162
14	135	136	136	142	145	151	153	153	149	145	140	138
15	116	117	117	121	124	129	130	131	127	123	119	119
16	--	100	100	104	106	111	112	111	108	105	102	102
17	--	85	86	89	91	95	95	95	92	90	87	--
18	--	--	--	75	77	81	81	81	79	77	--	--
19	--	--	--	--	--	68	70	--	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	83	79	78	67	72	77	78	80	77	75	76	80
0.5	84	79	77	63	67	70	68	69	68	67	74	79
1.0	81	77	75	61	66	69	62	67	65	64	69	71
1.5	75	74	69	62	67	70	62	66	64	61	57	62
2.0	71	70	64	60	66	64	60	61	59	56	52	56
2.5	68	66	62	58	65	58	56	55	56	52	50	53
3.0	67	63	60	55	64	55	54	53	50	50	47	51
4	63	59	57	52	55	50	48	49	47	47	47	50
5	62	56	56	49	51	46	45	44	44	44	49	52
6	58	54	55	47	48	43	43	40	41	43	47	49
7	53	52	54	47	46	41	44	39	39	41	45	48
8	--	--	--	43	47	39	41	37	37	44	--	--
9	--	--	--	--	--	38	42	38	39	--	--	--

Number of Observations (Relative Humidity)

Surface	123	112	123	117	124	117	105	93	121	124	119	124
5	106	94	114	116	113	108	101	89	114	122	112	111
7	48	45	63	105	100	78	71	53	82	106	91	57
9	--	--	--	--	--	31	48	32	45	--	--	--

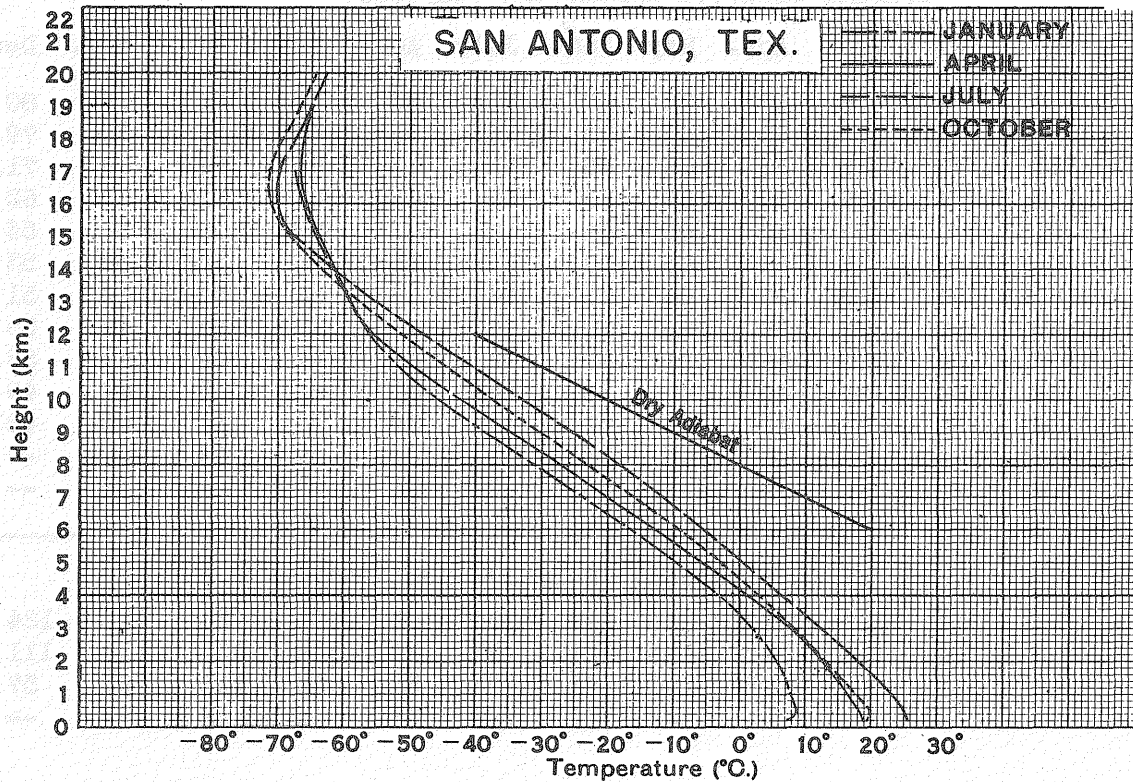
AVERAGE TEMPERATURES °C.

San Antonio, Tex.  
Elevation: 240 meters, m.s.l.

Period of Record: July 1939-July 1940  
March 1941-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	7.1	11.8	14.2	18.8	22.1	25.1	25.7	26.5	22.9	19.5	12.8	10.7
0.5	8.7	12.2	14.3	18.3	21.3	24.2	25.2	25.6	22.7	19.9	14.7	12.6
1.0	7.7	10.2	12.8	16.5	19.5	22.0	23.2	23.6	20.4	17.6	12.4	11.2
1.5	7.1	8.6	10.8	14.8	17.2	19.6	20.7	20.9	18.0	15.2	10.4	10.0
2.0	5.8	7.5	9.0	12.8	15.0	16.9	17.9	18.0	15.4	13.0	9.6	8.4
2.5	4.3	5.0	6.9	10.5	12.8	14.2	15.2	15.3	13.0	10.7	6.8	6.6
3.0	1.9	2.6	4.2	7.9	10.2	11.5	12.4	12.6	10.4	8.3	4.4	4.4
4	-3.4	-3.3	-2.3	1.2	3.7	5.6	6.4	6.8	5.1	2.8	-0.9	-1.3
5	-9.8	-9.5	-8.9	-5.7	-2.9	-0.4	0.5	1.0	-0.6	-2.7	-6.6	-7.5
6	-16.7	-16.2	-15.9	-12.9	-9.7	-6.6	-5.4	-4.8	-6.2	-9.1	-13.0	-14.3
7	-23.9	-23.5	-23.2	-20.1	-16.7	-13.3	-11.5	-11.2	-12.5	-16.0	-20.3	-21.6
8	-31.3	-30.6	-30.6	-27.4	-23.8	-20.4	-18.4	-17.9	-19.4	-23.1	-27.5	-28.6
9	-38.9	-37.9	-38.2	-34.8	-31.1	-27.6	-25.5	-25.1	-26.4	-30.3	-34.9	-35.7
10	-45.9	-44.7	-45.5	-42.3	-38.9	-34.9	-33.0	-32.4	-33.8	-37.5	-42.4	-42.9
11	-52.0	-50.6	-51.9	-49.6	-46.5	-42.5	-40.6	-40.2	-41.4	-44.6	-49.4	-49.5
12	-55.9	-54.9	-56.3	-55.6	-53.2	-49.8	-48.2	-48.0	-48.9	-51.4	-55.3	-55.3
13	-59.2	-57.8	-58.4	-59.2	-59.2	-56.3	-55.5	-55.6	-56.2	-57.7	-60.1	-59.4
14	-61.7	-60.9	-60.5	-61.6	-62.5	-61.7	-62.0	-62.5	-63.1	-63.5	-63.4	-62.4
15	-64.2	-64.0	-63.4	-63.8	-64.8	-65.5	-67.3	-67.8	-69.1	-68.2	-66.4	-65.3
16	-66.5	-66.5	-65.9	-66.1	-66.0	-68.4	-70.1	-71.1	-72.2	-71.2	-68.3	-68.1
17	-67.7	--	-67.9	-66.9	-67.2	-69.2	-70.0	-70.5	-72.5	-71.5	-69.0	-69.5
18	--	--	-67.2	-66.4	-66.2	-67.6	-67.2	-67.8	-70.3	-69.6	-68.0	-69.1
19	--	--	--	-64.9	-64.4	-65.0	-64.9	-65.3	-67.3	-66.9	-67.3	--
20	--	--	--	--	--	-62.1	-62.7	-63.2	-64.1	-64.4	--	--
21	--	--	--	--	--	--	--	--	-62.0	--	--	--

Number of Observations												
Surface	92	85	104	120	124	120	129	120	117	121	113	123
5	91	84	102	120	120	118	128	119	114	121	109	119
10	79	64	76	114	112	111	124	113	107	115	105	109
15	53	36	54	99	85	92	112	85	95	98	88	63
18	--	--	28	58	55	63	86	62	73	56	42	38





AVERAGE PRESSURES (Mbs.)

Elevation: 240 meters, m.s.l.

SAN ANTONIO, TEX.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1000	995	993	992	992	991	993	990	991	993	997	995
0.5	964	960	958	957	957	957	960	958	959	960	962	961
1.0	907	904	903	903	904	904	906	905	905	906	908	906
1.5	854	851	851	851	853	853	856	855	854	854	855	853
2.0	803	801	801	802	804	805	807	807	805	805	805	803
2.5	755	753	753	755	757	759	761	761	759	758	757	756
3.0	710	709	709	711	714	715	718	717	715	714	713	711
4	626	625	626	629	632	634	636	636	634	632	630	628
5	551	551	551	555	558	560	563	562	560	558	555	553
6	484	483	484	488	491	494	496	496	494	491	487	485
7	423	422	423	427	431	434	436	436	434	431	427	425
8	363	367	368	372	376	380	382	382	380	376	372	370
9	318	318	319	323	327	331	333	333	331	327	323	321
10	275	274	275	280	284	288	290	290	288	284	279	278
11	236	235	236	240	244	248	251	251	249	245	240	239
12	202	202	202	206	210	214	216	217	215	211	206	204
13	172	172	173	176	179	183	186	186	184	180	176	174
14	147	147	147	150	152	156	158	158	156	154	150	149
15	125	125	125	127	129	133	134	134	133	130	127	126
16	106	106	106	109	110	113	114	113	112	111	108	107
17	90	--	90	92	93	95	96	96	95	94	91	91
18	--	--	77	78	79	80	81	81	80	79	77	77
19	--	--	--	66	68	68	69	69	68	67	66	--
20	--	--	--	--	--	58	59	58	57	57	--	--
21	--	--	--	--	--	--	--	--	49	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	67	70	66	77	80	80	79	75	81	79	82	77
0.5	64	66	64	75	78	79	77	75	77	71	65	70
1.0	60	64	58	69	72	75	70	71	72	66	67	64
1.5	56	60	52	61	67	69	67	69	71	67	65	57
2.0	52	53	47	52	59	64	62	66	68	60	56	50
2.5	48	48	42	46	51	58	55	51	62	54	49	44
3.0	46	43	39	41	42	53	52	56	58	50	46	39
4	42	40	38	36	40	49	49	52	54	47	42	37
5	40	38	37	35	38	47	48	51	51	43	38	35
6	40	39	37	34	36	41	45	50	47	42	40	33
7	39	41	35	35	38	40	42	48	44	40	41	34
8	37	40	36	34	38	38	40	46	42	39	40	36
9	36	--	34	37	36	38	40	45	41	37	40	37
10	--	--	--	--	--	37	41	46	42	38	--	--

Number of Observations (Relative Humidity)

Surface	92	85	104	120	124	120	130	120	119	124	107	123
5	88	82	97	118	118	118	129	117	115	115	107	117
7	82	51	62	115	86	116	127	113	114	91	88	98
9	26	--	25	59	69	113	122	110	108	75	66	55

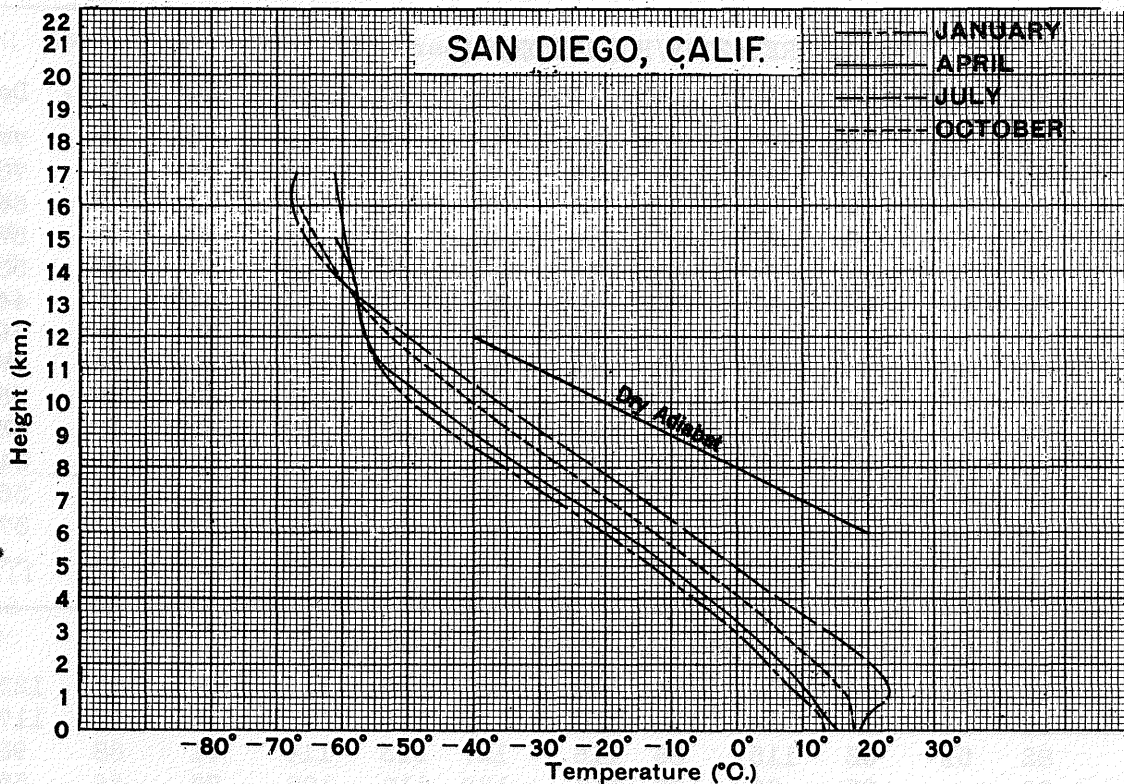
AVERAGE TEMPERATURES °C

San Diego, Calif.  
Elevation: 19 meters, m.s.l.

Period of Record: February-July 1940  
October 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	13.3	13.9	14.9	15.3	17.0	17.0	18.8	19.7	18.7	17.9	15.8	14.0
0.5	12.3	12.3	12.7	12.8	15.1	15.2	19.8	19.1	18.6	17.4	15.9	13.3
1.0	10.0	9.8	10.9	11.3	15.6	18.1	23.0	21.9	20.2	17.0	14.3	11.2
1.5	7.1	7.0	9.1	9.3	15.0	18.2	22.8	21.2	19.3	14.8	12.0	8.7
2.0	4.9	4.6	6.7	7.3	15.2	16.5	20.5	19.1	16.9	12.3	9.7	6.0
2.5	2.4	2.3	4.0	4.7	10.6	13.9	17.2	16.1	13.8	9.5	7.4	3.6
3.0	-0.3	-0.3	0.3	1.7	7.7	11.0	13.7	12.8	10.8	6.5	4.7	-0.3
4	-6.7	-6.3	-4.6	-4.3	1.5	4.4	6.4	6.3	4.6	0.5	-1.0	-5.1
5	-13.3	-12.6	-11.3	-10.6	-5.5	-2.4	-0.6	0.0	-1.6	-5.9	-7.4	-11.6
6	-20.3	-19.9	-18.4	-17.6	-12.3	-9.4	-7.1	-6.6	-3.2	-12.7	-14.0	-18.6
7	-27.9	-27.0	-25.5	-25.0	-19.8	-16.8	-13.9	-13.1	-15.4	-19.6	-21.6	-25.6
8	-35.9	-33.8	-33.2	-32.6	-27.4	-24.6	-21.6	-20.1	-22.8	-26.6	-29.5	-32.8
9	-43.2	-40.7	-40.7	-39.9	-35.1	-32.4	-29.2	-27.5	-30.3	-33.9	-36.5	-39.8
10	-49.7	-47.4	-47.9	-46.5	-42.4	-40.0	-36.4	-34.6	-37.3	-40.6	-43.9	-46.3
11	-54.0	-52.6	-54.3	-53.3	-49.7	-46.9	-43.2	-41.3	-43.8	-46.6	-50.8	-52.2
12	-56.6	-56.5	-58.4	-56.5	-56.2	-53.5	-50.1	-48.1	-50.1	-52.7	-55.8	-56.3
13	-57.6	-58.9	-59.7	-57.7	-60.6	-58.2	-56.4	-54.9	-55.9	-57.3	-58.8	-59.1
14	-58.7	-60.5	-61.1	-58.5	-62.3	-61.7	-61.8	-60.7	-61.2	-61.2	-62.2	-61.1
15	-61.2	-62.5	-62.4	-59.8	-62.9	-63.8	-65.8	-64.9	-65.0	-64.0	-66.0	-63.5
16	--	--	--	-60.9	-63.9	-65.6	-67.8	-67.7	--	-66.4	--	--
17	--	--	--	-61.3	-63.8	-66.0	-67.0	-68.1	--	--	--	--
18	--	--	--	--	--	--	-65.5	--	--	--	--	--

	Number of Observations											
Surface	90	107	115	113	119	118	121	89	87	122	114	114
5	87	102	110	108	116	115	119	88	83	117	107	108
10	50	59	69	74	76	78	91	65	50	69	59	69
15	25	25	28	42	53	45	63	46	31	37	20	28
18	--	--	--	--	--	--	38	--	--	--	--	--



AVERAGE PRESSURES (Mbs.)

Elevation: 19 meters, m.s.l.

SAN DIEGO, CALIF.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1015	1013	1013	1012	1011	1010	1010	1010	1008	1011	1013	1014
0.5	960	957	957	956	955	954	956	955	954	956	958	958
1.0	903	902	902	901	901	900	903	902	900	901	903	903
1.5	850	849	849	848	849	849	852	852	850	850	851	851
2.0	800	799	799	798	800	801	804	803	801	801	801	801
2.5	752	750	751	751	753	754	759	758	755	754	754	752
3.0	707	705	706	706	709	711	715	714	711	710	709	707
4	622	621	623	623	627	630	634	633	630	628	627	623
5	546	546	548	548	553	556	560	559	556	553	552	548
6	479	478	480	480	486	489	494	493	490	486	485	480
7	418	418	419	419	426	429	434	433	430	426	424	420
8	362	363	365	365	372	375	379	379	376	372	369	365
9	213	313	316	316	322	326	330	330	327	322	321	316
10	269	270	272	272	279	282	286	287	284	279	277	273
11	231	232	233	233	240	243	248	249	245	241	238	235
12	197	199	199	200	206	209	213	214	211	206	204	201
13	168	170	170	171	176	179	182	184	181	177	174	172
14	143	145	145	146	150	153	156	157	154	151	148	147
15	122	124	123	124	127	130	132	134	131	128	--	125
16	--	--	--	106	108	110	113	114	112	109	--	--
17	--	--	--	90	92	94	96	96	--	--	--	--
18	--	--	--	--	--	--	81	--	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	80	81	80	78	79	81	83	83	83	80	78	81
0.5	60	66	68	72	71	74	63	67	64	64	54	61
1.0	51	59	58	60	52	44	32	38	42	47	43	52
1.5	46	52	49	52	36	27	25	30	29	38	38	47
2.0	40	48	43	42	30	23	25	31	28	34	31	43
2.5	37	44	39	39	28	24	27	34	28	33	28	39
3.0	35	42	34	39	27	25	29	36	29	38	26	38
4	38	42	32	36	27	26	33	36	24	38	28	39
5	44	47	43	38	30	32	36	36	--	41	35	45
6	51	52	47	45	40	30	41	33	--	49	42	52
7	52	57	55	47	42	--	35	36	--	52	51	59

Number of Observations (Relative Humidity)

Surface	89	107	114	113	118	117	121	89	85	119	100	113
5	57	47	60	75	84	46	96	67	--	47	48	62
7	32	39	34	45	29	--	43	28	--	25	33	30

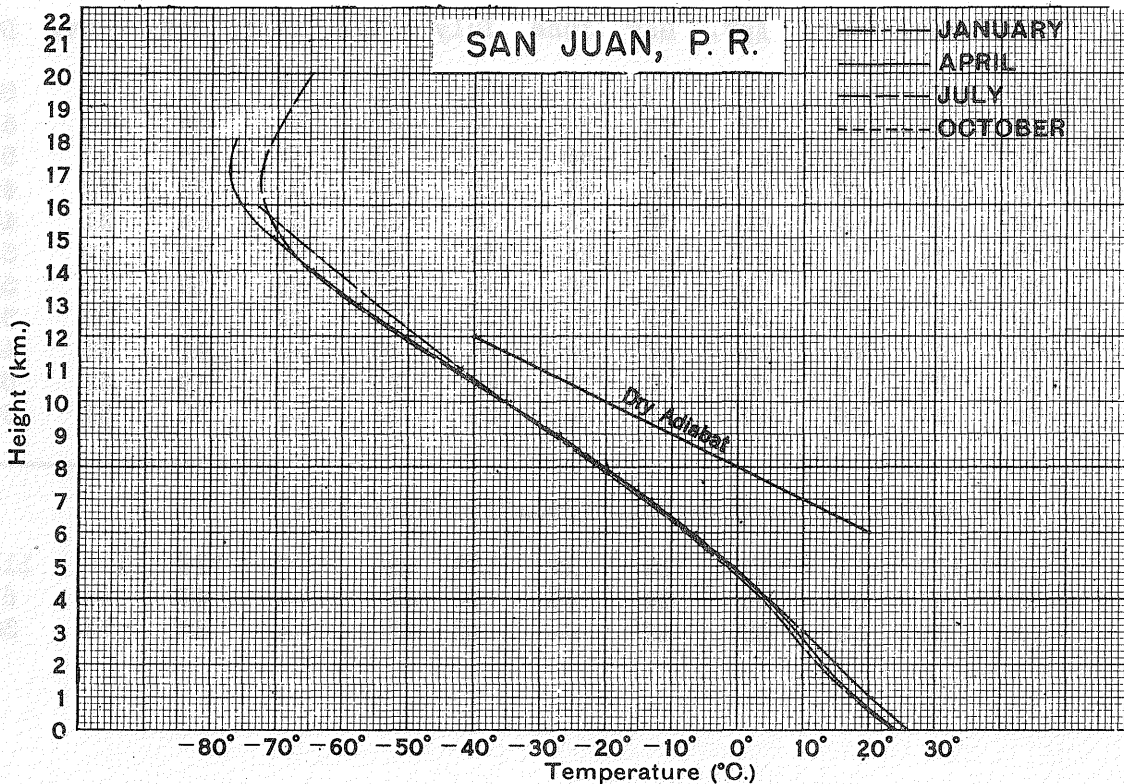
AVERAGE TEMPERATURES °C.

San Juan, P. R.  
Elevation: 15 meters, m.s.l.

Period of Record: August-October 1939  
February 1941-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	23.5	23.2	23.5	24.1	24.9	25.6	25.9	25.8	25.5	25.4	25.1	24.5
0.5	20.8	20.4	21.0	21.5	22.5	23.1	23.5	23.5	23.4	23.1	22.4	21.6
1.0	17.4	17.0	17.6	18.3	19.5	20.2	20.4	20.5	20.6	20.2	19.2	18.3
1.5	14.5	14.3	14.6	15.4	16.7	17.4	17.5	18.0	17.8	17.4	16.4	15.2
2.0	12.0	12.2	12.3	13.0	14.4	15.0	15.1	15.2	15.2	14.9	13.9	12.7
2.5	10.0	10.3	11.1	11.2	12.1	12.7	12.8	12.9	13.0	12.4	12.1	11.1
3.0	8.1	8.3	9.2	9.1	9.5	10.2	10.1	10.3	10.4	10.0	9.7	9.1
4	5.8	3.7	4.7	4.1	4.2	4.3	4.6	4.7	4.9	4.4	4.2	4.2
5	-1.7	-1.8	-0.6	-1.3	-1.2	-1.5	-0.8	-0.8	-0.7	-1.2	-1.1	-1.2
6	-7.8	-7.6	-6.5	-7.3	-7.0	-7.5	-6.4	-6.5	-6.7	-7.0	-7.1	-7.0
7	-14.5	-14.4	-13.2	-13.6	-13.4	-13.7	-13.0	-13.1	-13.1	-13.2	-13.6	-13.7
8	-21.3	-21.5	-20.4	-20.6	-20.2	-20.5	-20.1	-20.2	-19.9	-19.7	-20.6	-20.5
9	-28.3	-29.0	-27.6	-27.9	-27.1	-27.7	-27.6	-27.6	-27.0	-26.8	-27.6	-27.8
10	-35.2	-36.4	-34.9	-35.4	-34.6	-35.4	-35.4	-35.4	-34.6	-34.4	-35.0	-35.2
11	-42.4	-43.1	-42.3	-43.0	-42.4	-43.5	-43.5	-43.3	-42.2	-42.0	-42.9	-42.5
12	-48.9	-49.2	-49.9	-50.3	-50.4	-51.6	-51.5	-51.0	-49.9	-49.7	-50.7	-50.0
13	-55.3	-56.3	-57.7	-57.6	-58.3	-59.2	-59.1	-58.2	-57.5	-57.3	-59.2	-56.9
14	-61.2	-63.5	-65.6	-64.6	-65.1	-65.8	-65.0	-64.4	-64.1	-64.4	-65.5	-63.8
15	-67.4	-69.9	-72.9	-70.5	-71.1	-70.7	-69.1	-69.4	-69.4	-70.5	-71.8	-70.1
16	-73.0	--	-78.3	-75.6	-74.9	-73.0	-72.0	-72.4	-72.2	-74.6	-76.8	-75.2
17	--	--	-80.6	-77.4	-75.4	-73.1	-72.9	-72.8	-72.7	-76.0	-78.7	-78.9
18	--	--	-79.1	-76.3	-73.9	-72.5	-70.9	-70.6	-71.8	-74.2	-78.2	-79.2
19	--	--	-76.6	--	-70.7	-67.5	-67.8	-68.4	-69.8	-71.2	-76.2	--
20	--	--	--	--	--	-64.1	-64.5	-66.7	-68.7	-68.9	--	--
21	--	--	--	--	--	--	--	--	-66.4	-65.2	--	--

	Number of Observations											
Surface	62	83	92	86	91	85	92	119	119	119	90	87
5	56	80	79	81	86	81	87	115	112	116	81	79
10	45	64	61	71	75	79	84	107	104	108	78	68
15	28	25	47	46	60	66	76	96	93	100	62	55
18	--	--	33	29	39	47	58	74	76	83	42	35



AVERAGE PRESSURES (Mbs.)

Elevation: 15 meters, m.s.l.

SAN JUAN, P.R.

69

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1016	1014	1014	1014	1014	1015	1016	1014	1012	1011	1011	1014
0.5	961	959	960	959	960	961	962	960	959	957	957	960
1.0	907	905	906	905	906	907	909	906	905	904	904	906
1.5	856	854	855	854	855	857	858	856	855	853	853	855
2.0	806	805	805	805	806	807	808	806	805	804	804	806
2.5	759	758	759	758	759	761	762	760	759	758	757	759
3.0	715	713	714	714	715	717	718	716	715	714	713	715
4	633	631	633	632	634	635	636	634	634	632	632	633
5	559	558	559	559	560	561	562	561	560	559	558	559
6	492	491	493	492	493	495	495	494	494	492	492	493
7	432	431	433	432	434	435	435	434	434	433	432	433
8	379	378	379	378	379	381	381	380	380	379	378	379
9	330	329	331	329	331	331	332	331	331	330	329	330
10	287	286	287	286	287	288	288	287	288	287	286	287
11	248	247	249	248	249	249	249	249	249	248	248	248
12	214	213	214	213	214	214	215	214	214	214	213	214
13	183	182	183	182	183	183	183	183	183	183	182	183
14	157	155	156	155	156	156	156	156	156	156	155	156
15	133	132	132	131	132	132	132	132	132	132	131	132
16	113	--	111	111	111	111	112	111	112	112	111	111
17	--	--	93	93	94	94	94	94	94	94	93	94
18	--	--	78	79	79	79	79	79	79	79	78	78
19	--	--	66	--	67	67	68	67	67	67	66	--
20	--	--	--	--	--	57	57	57	57	56	--	--
21	--	--	--	--	--	--	--	--	48	48	--	--
22	--	--	--	--	--	--	--	--	--	41	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	85	84	83	83	86	86	87	87	88	88	87	84
0.5	85	84	83	83	87	86	88	87	87	88	87	86
1.0	85	84	82	82	84	84	85	85	84	84	86	86
1.5	82	78	79	80	79	79	79	80	79	79	84	83
2.0	75	67	69	72	68	69	68	72	72	72	78	73
2.5	62	53	50	64	61	61	57	62	65	65	67	57
3.0	47	42	40	53	54	53	49	56	60	58	58	46
4	33	31	30	44	50	52	45	49	54	55	51	32
5	26	26	26	37	48	54	41	44	51	53	45	28
6	22	24	24	34	44	53	38	38	49	48	47	28
7	20	23	24	32	43	51	36	36	49	44	44	26
8	20	23	24	32	45	52	35	39	48	42	44	25
9	19	23	24	34	46	53	37	38	48	43	44	25
10	--	21	22	33	44	49	35	34	48	40	43	26

Number of Observations (Relative Humidity)

Surface	62	83	92	84	90	85	93	116	119	118	89	87
5	55	76	78	74	81	76	82	110	105	114	72	70
7	47	69	69	71	80	78	82	105	95	111	57	52
9	39	60	60	57	66	63	68	72	86	80	48	41

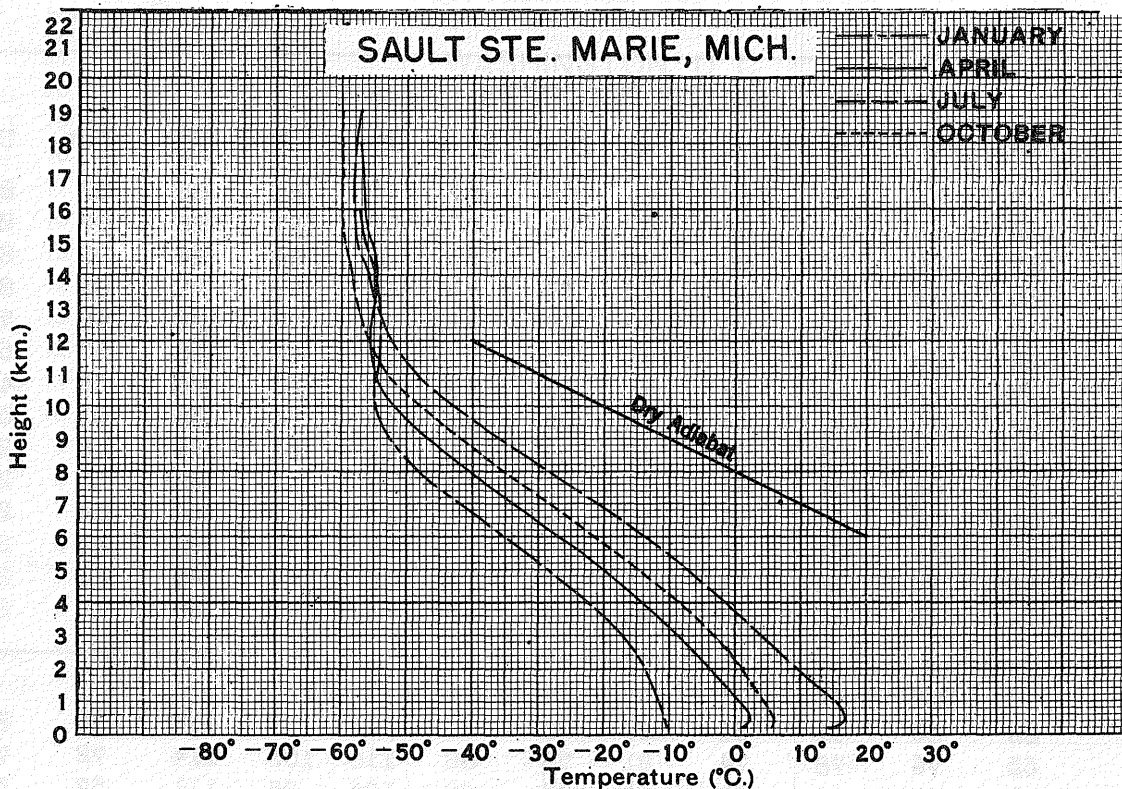
AVERAGE TEMPERATURES °C.

Sault Ste. Marie, Mich.  
Elevation: 221 meters, m.s.l.

Period of Record: July 1938-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-10.6	-9.4	-7.0	1.3	7.2	12.3	14.1	14.8	10.9	5.8	-0.4	-5.9
0.5	-11.0	-10.1	-7.0	2.3	8.7	14.4	16.9	16.2	11.4	6.0	-1.3	-6.8
1.0	-11.9	-11.4	-8.7	0.8	7.8	12.9	15.5	14.6	9.6	4.4	-3.2	-8.4
1.5	-12.7	-12.3	-10.1	-1.8	5.5	10.9	12.3	11.7	7.3	2.6	-4.8	-9.1
2.0	-13.9	-13.4	-11.7	-4.1	2.9	3.3	9.2	9.0	5.1	1.1	-6.4	-10.5
2.5	-15.3	-15.1	-13.6	-6.4	0.3	5.5	6.5	6.7	2.9	-0.9	-8.3	-12.1
3.0	-17.3	-17.2	-15.7	-8.9	-2.3	2.9	3.7	4.0	0.8	-3.2	-10.6	-14.1
4	-22.3	-22.4	-20.6	-14.1	-7.9	-2.5	-1.5	-1.4	-4.7	-8.6	-15.6	-19.3
5	-28.6	-28.2	-26.6	-20.2	-13.7	-8.4	-7.3	-7.1	-10.6	-14.7	-21.5	-25.2
6	-35.3	-34.7	-32.9	-27.1	-20.3	-14.8	-13.9	-13.4	-16.7	-21.2	-28.1	-31.7
7	-42.0	-41.4	-39.5	-34.0	-27.3	-21.7	-20.8	-20.5	-23.6	-28.1	-34.9	-38.3
8	-48.2	-47.9	-45.9	-40.9	-34.5	-28.7	-28.4	-27.7	-30.9	-35.3	-41.7	-44.7
9	-52.8	-52.7	-51.3	-47.0	-41.8	-36.0	-36.2	-35.1	-38.1	-42.0	-47.9	-49.8
10	-54.9	-53.9	-54.5	-52.0	-48.2	-43.8	-43.0	-42.1	-44.7	-48.2	-52.3	-52.9
11	-54.7	-52.8	-55.0	-55.0	-53.3	-48.7	-48.6	-48.0	-50.2	-53.1	-54.9	-53.3
12	-54.3	-51.7	-54.5	-55.5	-55.5	-53.1	-52.6	-52.2	-53.6	-55.9	-55.8	-52.9
13	-54.2	-52.1	-53.7	-55.1	-55.6	-56.6	-54.4	-55.1	-56.0	-57.5	-56.3	-53.3
14	-55.0	-52.2	-54.0	-55.1	-55.3	-57.3	-55.9	-57.3	-58.0	-59.5	-57.1	-54.5
15	-56.7	-53.6	-54.8	-55.6	-55.9	-58.2	-57.7	-58.6	-59.4	-59.5	-58.2	-55.7
16	-57.4	-54.9	-55.8	-56.5	-56.7	-59.0	-58.0	-59.4	-60.2	-60.0	-59.2	-56.1
17	--	--	-55.9	-56.9	-57.0	-59.0	-58.1	-59.2	-60.1	-59.7	-59.4	-58.3
18	--	--	--	-57.1	-57.3	-58.0	-57.8	-58.3	-59.2	-60.1	--	--
19	--	--	--	--	-57.0	-57.0	-57.0	-57.4	--	-60.0	--	--

	Number of Observations											
Surface	155	141	154	150	155	150	139	184	179	186	179	184
5	148	138	150	143	148	143	134	176	167	170	172	180
10	121	109	131	122	120	131	116	152	141	134	146	140
15	38	57	70	89	92	103	89	114	103	99	75	73
18	--	--	--	33	40	58	44	44	46	51	--	--



AVERAGE PRESSURES (mbs.)

Elevation: 221 meters, m.s.l.

SAULT STE. MARIE, MICH.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	989	988	989	990	988	987	989	989	990	990	989	987
0.5	954	953	954	956	956	955	957	957	958	957	955	953
1.0	894	893	895	899	899	900	902	902	902	900	897	894
1.5	837	837	839	844	846	848	851	851	849	846	842	838
2.0	784	783	786	792	796	799	801	801	798	795	790	785
2.5	734	733	736	743	748	751	754	754	751	747	741	735
3.0	686	686	689	697	702	707	709	709	706	702	694	689
4	600	600	602	612	618	624	626	626	623	617	609	603
5	523	523	526	536	543	550	552	552	548	542	533	526
6	454	454	457	467	475	482	484	485	480	474	464	458
7	392	393	396	406	415	422	424	425	420	414	403	397
8	338	338	341	351	359	368	369	370	365	359	349	342
9	290	290	293	302	311	319	320	321	317	310	300	295
10	248	248	250	260	268	276	277	278	274	267	257	252
11	212	213	215	223	230	237	238	239	235	229	220	216
12	182	182	183	190	196	203	205	205	202	196	188	185
13	156	156	156	162	168	174	175	175	172	167	161	159
14	134	134	134	139	143	149	150	150	147	143	137	136
15	115	115	115	119	123	127	128	128	125	122	117	116
16	98	98	98	102	105	108	110	109	107	104	100	99
17	--	--	84	87	89	93	94	93	91	88	85	84
18	--	--	--	75	77	79	80	80	78	75	--	--
19	--	--	--	--	--	68	68	68	--	64	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	87	86	84	79	83	85	89	90	90	87	85	85
0.5	89	89	85	76	76	75	73	78	84	82	85	87
1.0	89	88	82	70	71	70	67	72	81	78	83	88
1.5	86	85	78	68	69	69	68	73	75	74	80	81
2.0	82	81	75	66	68	68	67	70	72	70	75	76
2.5	78	78	74	64	68	67	63	64	64	65	70	73
3.0	75	75	72	61	66	63	60	60	60	62	68	70
4	72	71	70	57	61	57	52	55	54	55	64	67
5	69	68	65	65	56	51	45	49	52	54	62	64
6	62	64	64	52	55	48	43	45	49	51	60	59
7	56	--	59	49	53	45	42	42	47	49	58	54
8	--	--	--	43	50	43	40	42	46	47	--	--
9	--	--	--	--	--	43	39	41	43	--	--	--
10	--	--	--	--	--	--	--	41	--	--	--	--

Number of Observations (Relative Humidity)

Surface	153	140	154	150	155	149	139	184	176	186	179	183
5	123	122	126	132	140	139	128	171	159	165	164	169
7	28	--	41	84	116	122	116	154	147	125	94	74
9	--	--	--	--	--	54	58	95	59	--	--	--

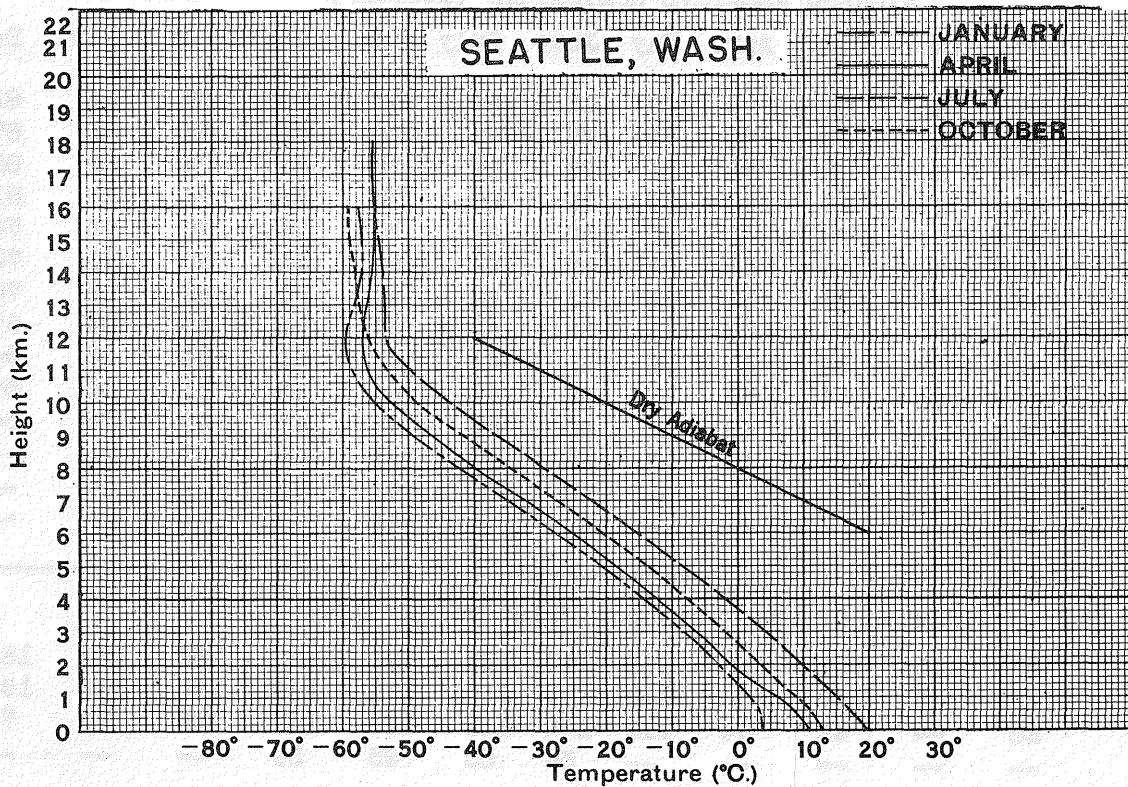
AVERAGE TEMPERATURES °C.

Seattle, Wash.  
Elevation: 22 meters, m.s.l.

Period of Record: February 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	3.6	6.3	7.9	10.6	13.2	16.2	19.7	19.1	16.3	12.8	7.8	6.3
0.5	3.5	5.6	6.2	8.9	10.7	13.7	17.8	17.2	14.9	11.3	6.7	4.7
1.0	1.8	2.8	3.2	5.9	7.6	11.0	15.0	14.7	12.8	8.7	4.7	2.6
1.5	-0.5	0.0	-0.2	2.6	4.2	7.7	12.3	12.2	10.3	5.9	2.2	0.2
2.0	-2.8	-2.9	-3.3	-1.2	0.8	4.5	9.7	9.6	7.9	3.1	0.3	-2.3
2.5	-5.5	-5.9	-6.1	-3.9	-2.1	1.5	6.9	6.7	4.8	0.5	-2.8	-5.0
3.0	-8.5	-8.7	-9.0	-6.5	-4.9	-1.1	3.8	4.2	2.0	-2.3	-5.6	-7.8
4	-14.3	-15.1	-15.5	-12.4	-10.7	-6.7	-2.1	-1.3	-3.8	-7.8	-11.6	-13.9
5	-20.4	-21.8	-21.4	-18.9	-17.0	-12.9	-8.4	-7.5	-9.9	-14.0	-17.8	-20.4
6	-27.4	-29.1	-28.3	-25.7	-23.8	-19.8	-15.0	-14.3	-16.6	-20.7	-24.9	-27.0
7	-34.7	-36.3	-35.3	-32.6	-30.6	-26.9	-22.1	-21.5	-23.9	-27.7	-31.3	-33.9
8	-42.1	-43.7	-42.6	-40.0	-37.8	-34.0	-29.5	-29.1	-31.3	-34.8	-38.5	-41.9
9	-49.2	-50.0	-49.8	-47.0	-44.6	-41.0	-36.7	-36.4	-38.7	-41.7	-45.4	-48.2
10	-55.1	-54.8	-55.7	-52.7	-50.4	-47.1	-43.7	-43.6	-46.1	-48.4	-51.5	-53.0
11	-58.7	-57.2	-59.0	-56.4	-53.8	-50.6	-49.9	-49.7	-51.9	-53.2	-56.4	-56.6
12	-59.7	-56.1	-59.7	-57.1	-54.9	-52.1	-53.6	-53.0	-55.5	-56.3	-58.2	-57.6
13	-58.3	-55.1	-57.9	-56.3	-54.7	-52.2	-53.8	-54.0	-57.7	-57.7	-58.6	-56.8
14	-57.3	-55.2	-56.8	-55.7	-54.3	-52.7	-53.9	-55.2	-58.4	-58.4	-59.2	-56.6
15	-57.2	-56.0	-56.6	-55.5	-54.5	-53.2	-54.7	-56.1	-58.6	-59.2	-60.2	-57.0
16	-57.9	--	-57.2	-55.5	-55.0	-53.9	-55.2	-56.8	-58.0	-59.3	-60.9	-57.3
17	--	--	-58.4	-55.8	-55.3	-54.3	-55.5	-56.8	-58.1	--	--	-57.4
18	--	--	--	--	-55.5	-54.9	-55.3	-55.7	--	--	--	--

	Number of Observations											
Surface	73	99	114	111	116	113	112	118	109	111	91	85
5	72	93	111	108	115	111	108	116	108	104	87	80
10	63	71	83	90	97	96	90	97	99	65	69	59
15	39	31	44	50	48	58	58	58	53	34	44	38
18	--	--	--	--	36	28	28	25	--	--	--	--





AVERAGE PRESSURES (Mbs.)

Elevation: 22 meters, m.s.l.

SEATTLE, WASH.

73

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1017	1013	1014	1012	1014	1014	1014	1013	1013	1014	1016	1014
0.5	959	956	957	956	958	959	960	959	958	958	959	956
1.0	902	899	900	900	902	904	905	904	903	902	902	900
1.5	847	845	846	846	849	851	853	852	851	848	848	845
2.0	796	794	795	795	798	800	803	803	801	798	797	794
2.5	747	745	746	747	749	752	756	755	753	750	748	745
3.0	700	698	699	701	704	706	711	710	708	705	702	699
4	615	613	614	616	619	622	628	627	625	621	617	614
5	538	536	537	539	542	547	553	553	550	545	541	537
6	469	467	468	471	474	479	485	485	482	477	472	468
7	408	405	407	409	413	418	425	425	421	416	411	407
8	353	350	351	354	357	363	370	370	367	362	356	352
9	303	301	302	305	309	314	320	321	317	312	307	303
10	261	258	259	263	265	270	275	277	274	269	264	260
11	223	221	221	225	228	232	238	239	235	231	226	223
12	190	189	189	192	195	199	204	205	202	197	193	191
13	162	162	161	164	167	171	175	175	173	168	165	163
14	139	139	138	140	143	147	150	150	148	144	141	140
15	119	119	118	120	123	126	129	129	126	123	120	120
16	101	--	102	103	106	108	111	111	108	105	103	103
17	--	--	87	88	91	93	95	94	92	--	--	88
18	--	--	--	--	78	79	81	80	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	82	83	78	76	72	69	67	69	75	83	85	84
0.5	72	71	71	68	68	64	65	65	67	77	74	77
1.0	67	71	70	67	69	63	64	63	64	75	68	72
1.5	66	70	71	68	72	65	65	61	64	73	67	69
2.0	62	68	70	71	73	68	60	60	61	70	63	67
2.5	58	66	68	69	71	67	56	59	59	64	60	64
3.0	56	64	64	65	66	61	53	54	57	62	58	62
4	59	62	63	61	60	56	46	45	50	56	60	63
5	59	60	65	64	59	55	43	42	46	57	65	64
6	60	61	66	64	64	60	45	41	48	57	68	64
7	61	61	68	67	69	64	49	43	51	59	71	66
8	--	--	--	--	65	66	48	39	53	58	--	--
9	--	--	--	--	--	--	52	38	--	--	--	--

Number of Observations (Relative Humidity)

Surface	72	98	111	111	116	113	112	118	106	108	89	85
5	61	80	101	96	99	95	90	104	89	85	72	71
7	42	55	74	76	87	89	84	94	78	70	64	51
9	--	--	--	--	--	--	31	36	--	--	--	--

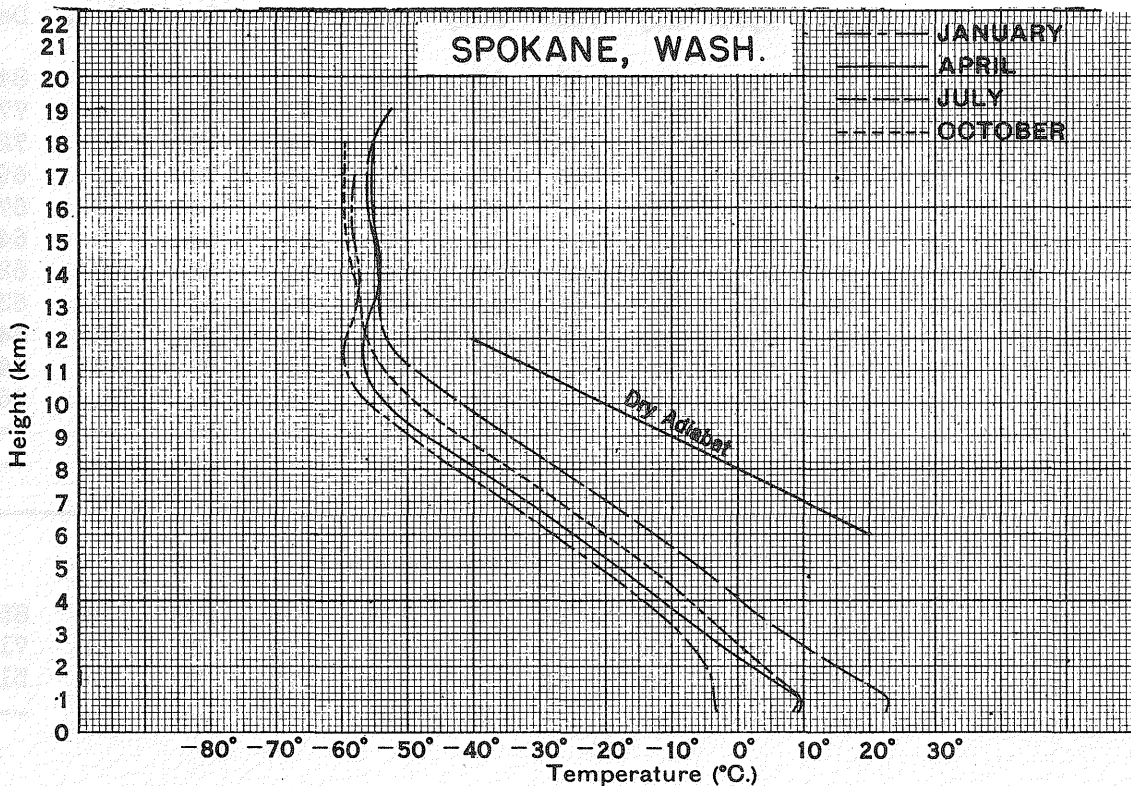
AVERAGE TEMPERATURES °C.

Spokane, Wash.  
Elevation: 598 meters, m.s.l.

Period of Record: September 1939-July 1940  
December 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	--3.3	0.3	3.8	9.2	12.2	16.4	22.5	20.9	14.5	8.4	2.5	0.4
1.0	-3.5	-0.1	4.1	9.4	11.8	16.0	22.8	21.1	15.9	9.4	3.5	0.1
1.5	-3.7	-1.6	0.8	5.9	8.4	12.5	19.2	17.4	12.5	6.9	2.1	-1.3
2.0	-4.6	-4.2	-2.7	2.1	4.6	8.8	15.1	13.3	8.9	3.9	0.0	-3.5
2.5	-6.6	-6.8	-6.1	-1.6	0.8	5.0	10.9	9.4	5.4	0.7	-2.5	-5.9
3.0	-8.9	-9.7	-9.3	-5.0	-2.8	1.6	6.9	6.2	2.3	-2.0	-5.1	-3.6
4	-14.7	-15.7	-15.4	-11.4	-9.1	-4.6	0.3	-0.2	-3.2	-7.6	-10.9	-14.2
5	-21.0	-22.2	-21.6	-17.9	-15.6	-10.8	-6.1	-6.6	-9.5	-13.6	-17.2	-20.8
6	-27.9	-29.4	-29.3	-24.8	-22.6	-17.6	-12.7	-13.3	-16.3	-20.1	-23.7	-27.3
7	-35.2	-36.9	-35.5	-32.3	-29.8	-24.5	-19.9	-20.5	-23.4	-27.3	-30.8	-34.2
8	-42.8	-44.1	-43.7	-39.8	-37.2	-31.9	-27.1	-27.9	-30.7	-34.8	-37.9	-41.5
9	-49.9	-50.1	-49.4	-47.0	-44.2	-39.2	-34.6	-35.4	-38.1	-42.0	-45.1	-47.6
10	-56.0	-54.7	-55.4	-53.2	-49.6	-45.9	-42.0	-42.5	-45.3	-48.5	-51.6	-52.6
11	-59.5	-56.5	-58.7	-56.4	-53.5	-51.2	-48.7	-48.4	-51.4	-53.5	-55.9	-55.3
12	-59.3	-54.9	-58.6	-56.6	-55.2	-52.9	-53.2	-51.5	-54.9	-56.1	-58.0	-55.2
13	-57.7	-53.5	-56.8	-55.0	-54.6	-52.7	-54.2	-52.7	-56.3	-57.2	-58.5	-54.1
14	-57.4	-53.8	-56.3	-54.3	-53.9	-52.5	-54.3	-54.2	-57.1	-58.3	-58.5	-54.5
15	-58.1	-54.6	-56.3	-54.7	-53.9	-53.2	-55.1	-55.6	-58.0	-59.4	-59.1	-55.6
16	-58.5	-55.5	-56.4	-55.0	-54.4	-54.3	-56.0	-56.5	-58.5	-59.6	-59.7	-55.8
17	-58.1	-56.1	-56.9	-55.5	-54.4	-54.3	-56.2	-56.7	-58.4	-59.8	-59.7	-56.9
18	--	--	-57.0	-55.1	-54.6	-55.0	-55.3	-55.8	-57.7	-59.6	-60.0	--
19	--	--	--	--	--	-54.4	-52.3	-53.7	--	--	--	--

	Number of Observations											
Surface	124	110	124	120	124	119	104	91	120	122	117	138
5	119	107	119	118	118	113	104	88	116	119	110	127
10	107	100	109	106	100	107	94	80	109	112	99	106
15	71	69	87	79	65	87	77	63	93	87	72	70
18	--	--	35	29	27	40	50	40	50	37	28	--



AVERAGE PRESSURES (Mbs.)

Elevation: 598 meters, m.s.l.

SPOKANE, WASH.

75

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	950	946	945	943	944	944	944	943	945	947	949	946
1.0	903	899	900	898	900	900	902	901	901	902	904	900
1.5	847	845	846	845	847	849	851	850	849	849	849	845
2.0	795	793	794	795	797	799	802	801	800	798	798	794
2.5	746	745	746	747	749	752	756	754	753	750	749	745
3.0	700	698	699	701	704	707	712	710	708	705	703	698
4	614	612	614	616	620	624	629	628	625	621	619	613
5	537	536	537	541	544	549	555	553	550	546	542	536
6	468	467	468	472	475	481	488	486	482	478	474	468
7	406	405	406	410	414	420	427	426	422	416	412	407
8	351	349	351	355	359	365	372	371	367	361	357	352
9	302	300	302	306	310	316	323	321	318	312	308	303
10	259	257	259	262	267	273	280	278	274	269	265	259
11	221	220	221	225	229	235	241	239	236	231	227	222
12	188	188	189	192	196	201	206	205	202	197	193	189
13	161	161	161	164	167	172	176	176	173	169	165	162
14	137	137	138	140	143	147	151	151	147	144	141	138
15	117	118	117	120	122	126	129	129	126	123	120	119
16	101	101	100	102	105	109	111	111	108	105	102	101
17	86	86	86	87	90	93	94	94	92	89	87	87
18	--	--	74	75	77	79	81	81	78	76	74	--
19	--	--	--	--	--	68	69	67	--	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	87	87	73	70	67	60	45	46	57	77	88	90
1.0	84	82	64	60	59	53	40	41	48	66	76	86
1.5	78	77	62	59	59	54	39	43	49	63	67	78
2.0	72	73	62	61	62	58	43	47	51	62	60	72
2.5	69	70	62	63	65	63	46	52	55	63	59	70
3.0	65	67	63	64	66	65	49	51	56	63	58	67
4	62	63	59	62	61	58	48	47	52	56	55	62
5	58	59	56	62	56	53	50	44	50	52	51	60
6	57	55	54	58	55	52	46	43	48	46	48	56
7	52	48	54	58	57	52	46	43	54	49	47	56
8	--	--	--	51	56	54	45	43	52	47	52	65
9	--	--	--	--	--	50	47	44	46	43	--	--

Number of Observations (Relative Humidity)

Surface	123	109	124	119	124	118	104	92	120	122	117	138
5	116	106	116	105	118	112	85	85	116	117	107	120
7	81	56	87	91	89	106	70	77	95	100	95	86
9	--	--	--	--	--	49	49	35	47	36	--	--

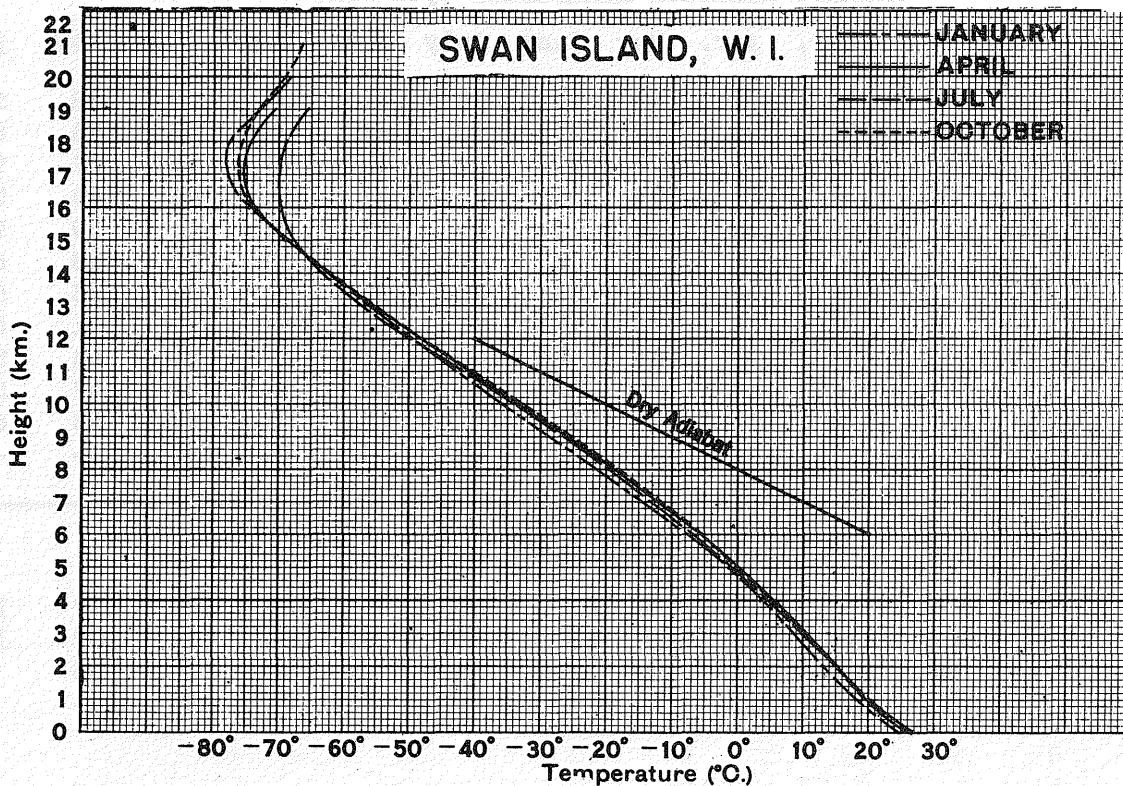
AVERAGE TEMPERATURES °C.

Swan Island, W. I.  
Elevation: 10 meters, m.s.l.

Period of Record: July-November 1939  
September 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	24.7	24.5	25.2	26.1	26.4	27.1	26.9	25.0	27.0	26.6	25.8	25.5
0.5	21.6	21.3	21.6	22.6	23.2	23.6	23.4	23.3	23.7	23.6	22.8	22.5
1.0	18.3	18.1	18.6	19.8	20.2	20.4	20.4	20.4	20.9	20.5	19.6	19.4
1.5	15.5	15.4	16.2	17.5	17.5	17.5	17.6	17.4	18.2	17.6	16.7	16.5
2.0	12.9	13.0	14.1	15.1	14.9	15.3	15.1	14.7	15.5	14.9	14.1	14.0
2.5	10.9	11.3	11.9	12.7	12.6	12.9	12.6	12.2	12.9	12.5	11.7	11.9
3.0	8.6	9.3	9.7	10.6	10.0	10.2	9.9	8.6	10.2	10.0	9.7	9.6
4	4.0	4.8	5.3	5.4	4.8	4.3	4.2	3.9	4.7	5.0	5.0	4.6
5	-1.2	-0.3	-0.2	0.0	-0.5	-1.5	-1.3	-1.9	-0.8	-0.3	-0.1	-0.9
6	-7.7	-6.5	-6.6	-5.7	-6.1	-7.4	-7.3	-7.8	-6.5	-5.7	-5.8	-7.0
7	-14.8	-13.3	-12.9	-12.5	-12.3	-13.5	-13.5	-13.9	-12.3	-11.7	-12.3	-13.5
8	-21.3	-20.1	-19.7	-18.9	-18.9	-19.6	-19.8	-20.3	-18.6	-18.3	-18.9	-20.0
9	-28.5	-27.5	-26.8	-25.8	-25.9	-26.5	-26.7	-27.3	-25.4	-25.3	-25.7	-27.2
10	-35.6	-35.0	-34.0	-33.2	-33.3	-34.1	-34.2	-34.9	-32.9	-32.6	-33.2	-34.6
11	-43.0	-42.4	-41.6	-40.6	-41.1	-42.0	-41.8	-42.8	-40.8	-40.3	-40.9	-42.1
12	-49.8	-49.5	-48.9	-48.2	-48.6	-49.9	-49.7	-50.8	-48.6	-48.0	-48.5	-49.2
13	-56.4	-56.4	-56.3	-55.5	-56.9	-57.8	-57.1	-58.6	-56.4	-55.7	-56.1	-56.1
14	-62.7	-63.4	-63.4	-62.2	-65.0	-63.5	-63.0	-65.1	-62.6	-62.5	-62.0	-61.4
15	-68.8	-70.2	-69.9	-68.7	-72.0	-68.9	-67.8	-70.1	-68.6	-69.2	-68.0	-66.7
16	-74.3	-76.3	-75.1	-73.6	-77.4	-72.5	-69.7	-72.5	-72.3	-74.2	-72.2	-70.9
17	-78.0	-79.4	-78.7	-75.9	-75.3	-72.7	-70.1	-72.5	-73.4	-76.4	-75.0	-74.2
18	-77.7	-79.4	-77.8	-74.8	--	--	-69.0	-71.0	-72.1	-75.9	-76.2	-75.3
19	-73.0	-76.6	-73.2	-70.6	--	--	-65.6	-68.7	-69.6	-73.1	-73.7	-72.7
20	-68.3	--	--	--	--	--	--	-67.4	-67.2	-69.1	-70.2	--
21	--	--	--	--	--	--	--	--	-64.5	-66.4	--	--

	Number of Observations											
Surface	91	84	80	53	66	98	102	107	144	127	100	107
5	87	81	76	51	64	85	99	103	137	124	98	99
10	80	77	74	48	58	77	83	100	131	120	92	92
15	69	73	59	43	52	34	44	65	89	96	60	59
18	56	53	38	34	--	--	34	48	71	79	46	45



AVERAGE PRESSURES (Mbs.)

Elevation: 10 meters, m.s.l.

SWAN ISLAND, R. I.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1015	1014	1015	1012	1011	1012	1014	1012	1011	1011	1012	1013
0.5	960	959	958	957	956	958	959	958	956	956	957	958
1.0	906	905	904	903	903	905	906	904	903	903	904	905
1.5	854	854	853	852	852	854	855	854	852	852	853	854
2.0	805	804	804	804	803	805	806	805	804	804	804	804
2.5	758	757	758	757	757	759	759	758	757	757	757	758
3.0	714	713	713	713	713	715	715	714	714	713	713	714
4	633	632	632	632	632	633	633	632	632	632	632	633
5	559	558	559	559	559	559	560	559	559	559	559	559
6	492	492	492	493	492	493	493	492	493	492	492	493
7	432	433	433	433	433	433	433	432	433	433	433	433
8	378	378	379	379	379	379	379	378	379	379	379	379
9	329	329	330	331	330	330	330	329	330	330	330	330
10	286	287	287	288	287	287	287	286	287	288	287	287
11	247	248	248	249	249	248	248	247	249	249	249	248
12	213	213	214	215	214	214	213	213	214	215	214	214
13	182	183	183	184	184	183	183	182	184	184	184	183
14	155	155	156	157	156	156	156	155	157	157	157	156
15	132	132	133	133	132	133	132	131	133	133	133	133
16	111	111	112	112	--	112	112	111	112	113	113	113
17	94	93	94	95	--	--	95	93	95	95	95	95
18	78	78	79	80	--	--	80	79	80	80	80	80
19	66	66	62	67	--	--	68	67	67	67	67	67
20	56	--	--	--	--	--	--	56	57	57	57	57
21	--	--	--	--	--	--	--	--	48	48	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	80	78	78	79	84	84	84	85	85	83	81	82
0.5	84	84	85	84	88	88	86	87	87	86	84	84
1.0	83	82	80	82	84	84	80	81	83	84	83	83
1.5	78	78	71	71	78	79	72	75	79	81	79	79
2.0	72	69	62	61	72	70	64	70	75	78	76	73
2.5	65	59	57	52	67	61	55	64	71	74	71	65
3.0	57	52	50	45	63	56	52	60	69	69	61	58
4	45	39	40	38	63	53	48	55	65	60	53	48
5	38	30	32	36	61	52	47	53	64	54	46	44
6	34	26	29	36	55	50	46	51	64	49	41	44
7	30	23	27	34	49	48	45	51	62	46	38	41
8	28	23	27	33	48	47	44	50	59	43	36	40
9	29	22	26	31	45	45	47	48	57	42	35	40
10	26	22	26	--	--	--	47	52	56	39	34	34

Number of Observations (Relative Humidity)

Surface	91	84	80	53	66	87	103	106	144	128	100	108
5	85	80	76	50	64	83	99	102	136	125	95	96
7	81	76	76	48	59	78	89	102	131	121	93	82
9	67	72	62	46	52	62	67	92	125	112	86	77

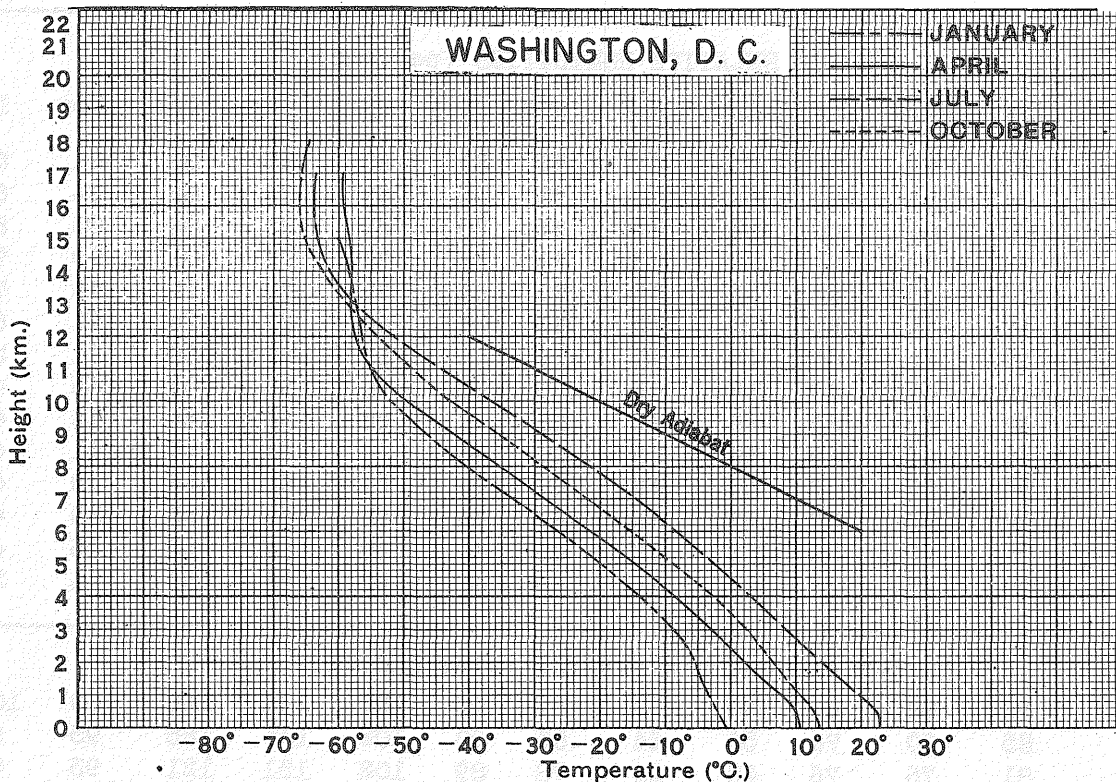
AVERAGE TEMPERATURES °C.

Washington, D. C.  
Elevation: 25 meters, m.s.l.

Period of Record: January 1940-December 1943

Alt. (km.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	-0.9	0.8	4.6	10.5	16.7	21.5	22.9	22.5	18.8	13.4	7.5	2.7
0.5	-2.0	-0.6	3.3	10.0	16.3	20.7	22.4	21.7	18.1	12.9	6.8	2.3
1.0	-3.3	-2.7	1.0	7.7	14.1	18.2	19.8	18.9	15.6	10.6	4.6	0.6
1.5	-4.6	-4.6	-1.4	4.8	10.9	15.5	16.7	16.0	12.9	8.5	2.7	-0.5
2.0	-5.3	-6.4	-3.4	2.2	7.8	12.6	13.7	13.2	10.6	6.6	0.7	-1.6
2.5	-6.8	-8.1	-5.0	-0.3	5.0	9.8	11.1	10.8	8.7	4.4	-1.0	-3.2
3.0	-8.8	-10.3	-7.2	-3.0	2.2	7.2	8.4	8.5	6.5	2.3	-3.0	-5.1
4	-14.0	-15.5	-12.6	-8.8	-3.3	2.0	3.0	3.3	1.2	-3.0	-7.9	-10.4
5	-20.0	-21.4	-18.7	-14.6	-9.3	-3.4	-2.5	-2.2	-4.0	-8.8	-13.5	-16.2
6	-26.5	-27.6	-25.5	-21.3	-15.5	-9.1	-8.3	-8.0	-10.0	-15.2	-19.8	-22.6
7	-33.2	-33.6	-32.5	-28.5	-22.6	-15.3	-14.6	-14.3	-16.5	-22.1	-26.8	-29.2
8	-40.3	-40.5	-39.2	-35.6	-29.9	-22.6	-21.5	-21.3	-23.6	-28.9	-33.8	-35.8
9	-46.8	-46.6	-45.9	-42.7	-37.2	-29.9	-28.8	-28.3	-31.0	-36.0	-40.9	-42.3
10	-52.1	-51.4	-51.5	-49.5	-44.2	-37.4	-36.5	-35.5	-38.0	-42.9	-47.3	-48.4
11	-55.2	-54.0	-55.3	-54.7	-50.8	-44.6	-44.3	-42.7	-44.9	-48.9	-52.6	-53.2
12	-56.4	-54.0	-55.7	-57.7	-56.4	-51.9	-51.6	-49.6	-51.6	-54.3	-56.9	-56.0
13	-57.4	-55.8	-55.3	-58.2	-59.8	-57.6	-57.7	-56.0	-56.9	-58.7	-58.8	-57.6
14	-58.3	-55.4	-56.1	-58.1	-60.3	-62.1	-61.3	-60.9	-61.3	-62.5	-61.0	-59.6
15	-60.1	--	-57.1	-58.4	-60.4	-63.5	-63.4	-64.3	-64.6	-65.3	-62.6	-61.9
16	--	--	-58.0	-59.3	-61.1	-64.6	-63.8	-65.5	-66.8	-66.0	-64.2	--
17	--	--	-58.9	-59.4	-61.4	-65.3	-63.3	-64.6	-66.5	-65.8	-64.3	--
18	--	--	--	--	-61.5	-62.6	--	-62.5	-65.0	-64.6	--	--
19	--	--	--	--	--	--	--	-60.2	-63.6	--	--	--

Surface	Number of Observations											
	109	105	124	118	122	120	121	107	111	122	119	117
5	104	97	121	114	121	118	114	103	110	120	112	115
10	74	60	100	89	101	97	86	85	92	94	80	81
15	25	--	56	49	69	63	55	65	68	46	38	28
18	--	--	--	--	26	30	--	45	44	29	--	--



AVERAGE PRESSURES (Mbs.)

Elevation: 25 meters, m.s.l.

WASHINGTON, D. C.

Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	1018	1014	1015	1015	1014	1013	1014	1014	1017	1016	1018	1018
0.5	958	954	956	958	958	959	960	960	961	960	960	959
1.0	900	896	899	902	903	905	906	906	907	905	903	901
1.5	845	841	844	848	851	853	855	855	855	852	850	847
2.0	793	789	793	798	801	804	805	805	805	801	798	795
2.5	743	740	744	749	754	757	759	758	758	754	750	746
3.0	697	694	698	704	709	713	715	714	714	708	704	701
4	612	608	613	620	625	631	633	632	631	625	620	616
5	536	532	537	544	550	557	559	559	557	551	545	540
6	467	464	469	476	483	490	492	492	490	483	477	472
7	406	404	408	415	422	430	432	432	430	423	416	412
8	352	349	352	360	367	376	378	378	375	369	361	357
9	303	301	304	311	319	327	329	329	327	320	313	308
10	260	259	262	268	276	284	286	286	284	277	270	266
11	223	222	224	230	237	245	246	247	245	238	232	227
12	191	190	191	197	203	211	212	213	210	205	200	194
13	165	163	164	168	173	181	182	182	180	175	170	166
14	140	139	140	143	147	154	155	155	154	150	146	141
15	120	119	119	122	126	131	132	132	131	128	124	120
16	--	--	102	104	108	111	112	112	112	108	105	--
17	--	--	87	89	92	94	96	96	95	92	89	--
18	--	--	--	--	78	80	--	81	80	78	--	--
19	--	--	--	--	--	--	--	69	69	--	--	--

AVERAGE RELATIVE HUMIDITIES (percent)

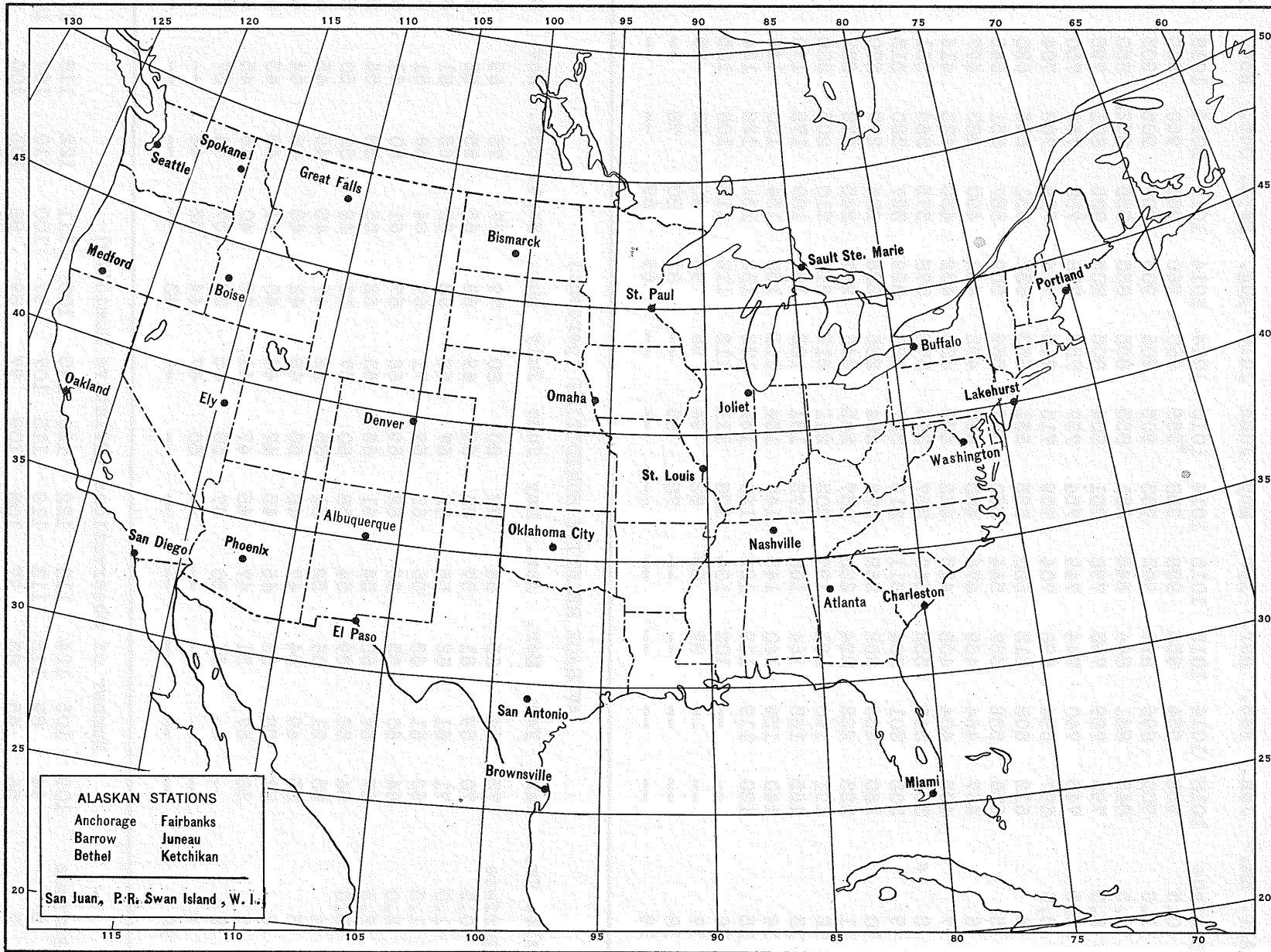
Alt. Km.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Surface	73	64	65	64	72	80	80	79	77	75	69	70
0.5	70	59	61	57	63	69	69	68	65	65	62	65
1.0	71	61	62	56	62	67	68	68	65	65	61	64
1.5	69	61	63	56	63	69	71	69	64	66	61	64
2.0	64	60	63	56	62	69	68	67	61	60	61	60
2.5	57	57	60	54	61	66	63	62	55	58	56	56
3.0	54	56	59	54	58	60	57	53	49	52	50	51
4	53	51	56	52	51	55	52	47	45	49	45	49
5	55	49	54	47	48	50	48	42	42	48	44	47
6	57	58	53	46	45	47	44	40	41	48	43	47
7	58	67	51	47	43	47	41	38	40	46	45	47
8	--	--	51	50	47	50	45	38	37	44	37	57
9	--	--	--	--	--	50	47	44	33	44	--	--
10	--	--	--	--	--	--	--	43	--	--	--	--

Number of Observations (Relative Humidity)

Surface	109	105	124	118	122	120	120	105	111	122	118	117
5	94	89	112	113	119	115	107	97	100	110	107	106
7	56	45	83	97	108	109	97	89	88	105	100	93
9	--	--	--	--	--	57	40	43	41	37	--	--

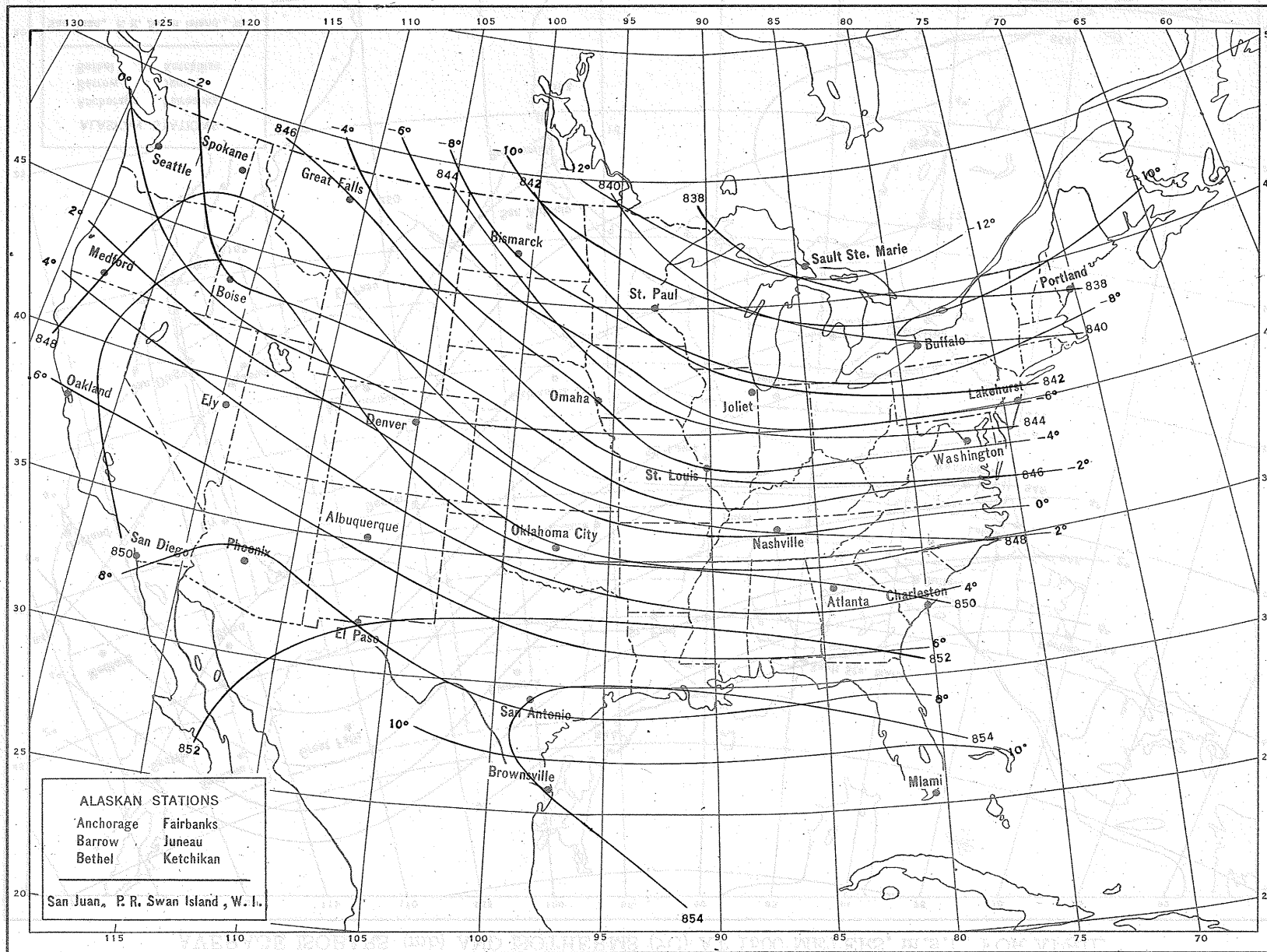
# STATION LOCATION CHART

(SHOWING STATIONS FOR WHICH DATA ARE PUBLISHED)

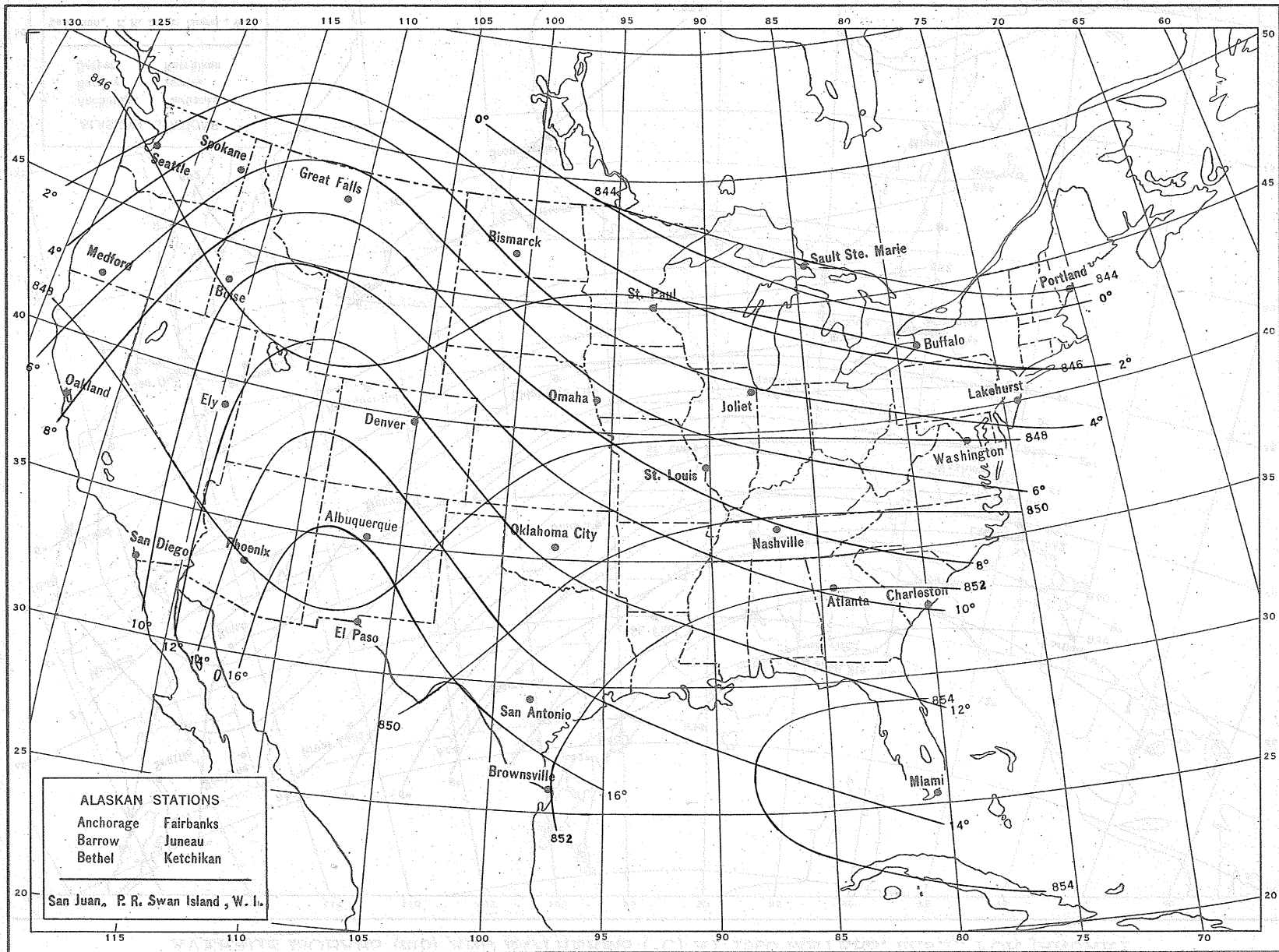




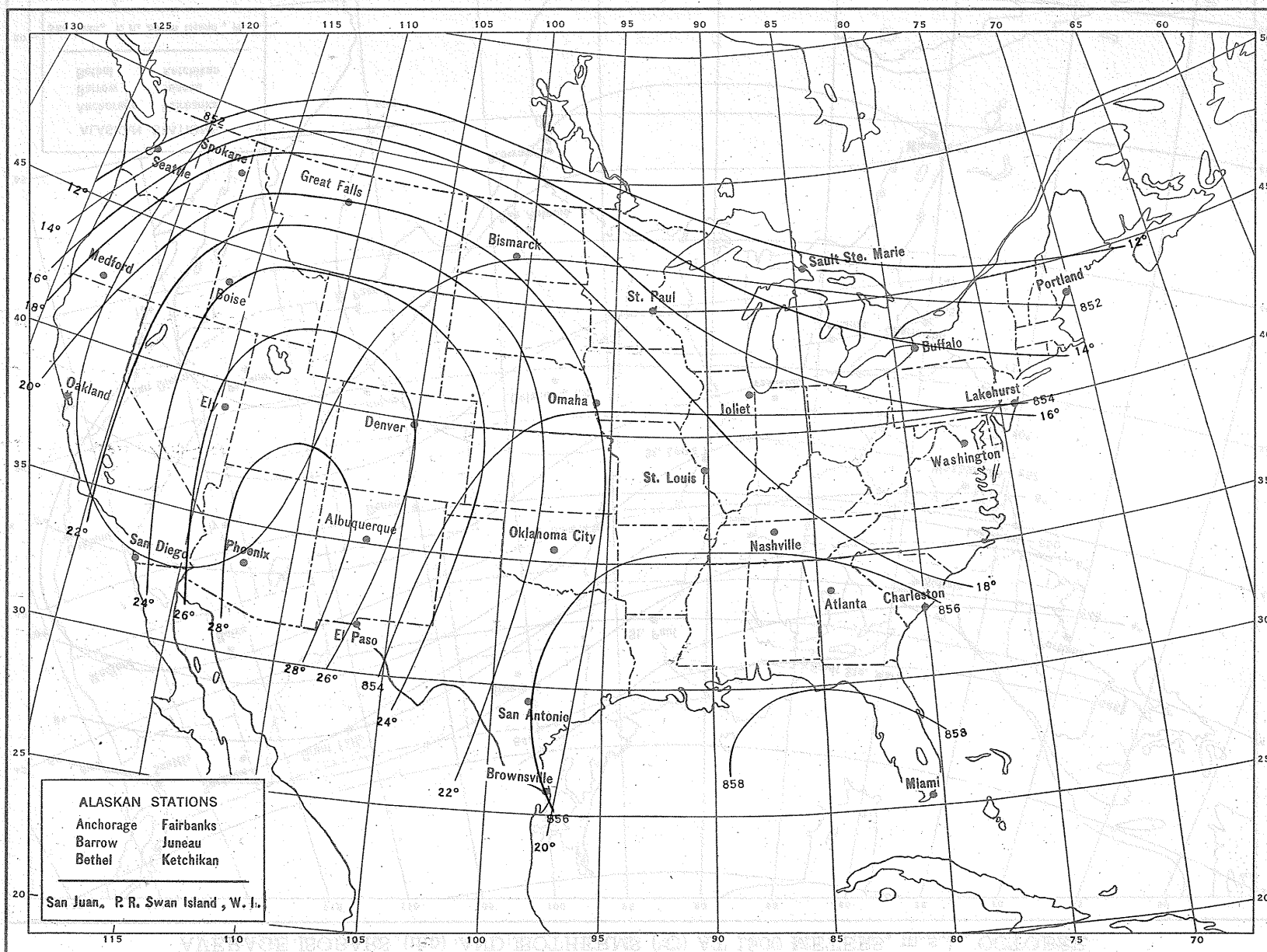
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 1500 METERS, m.s.l., FOR JANUARY



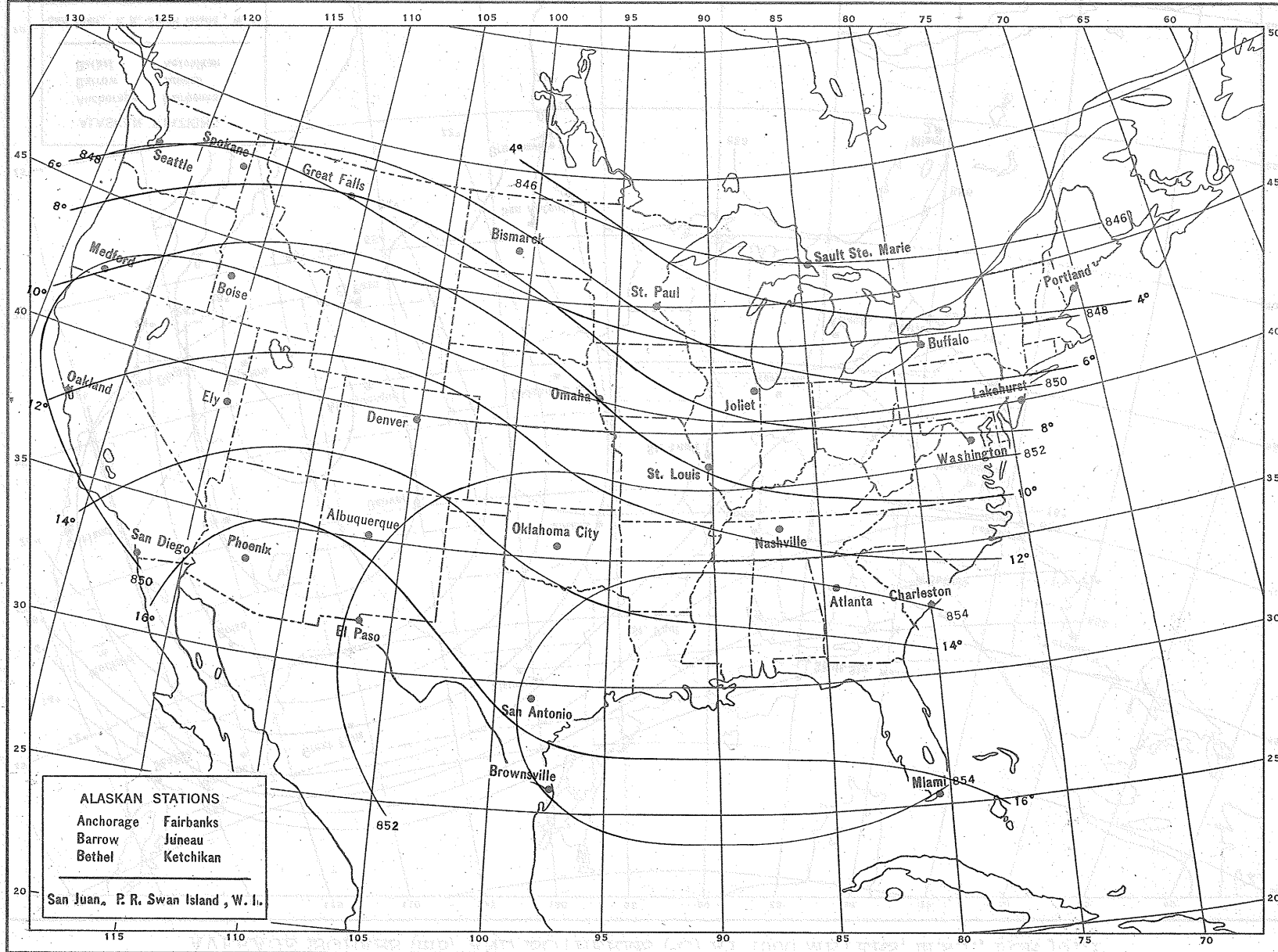
AVERAGE ISOBARS (mb) AND ISOTHERMS ( $^{\circ}\text{C}$ ) AT 1500 METERS, m.s.l., FOR APRIL



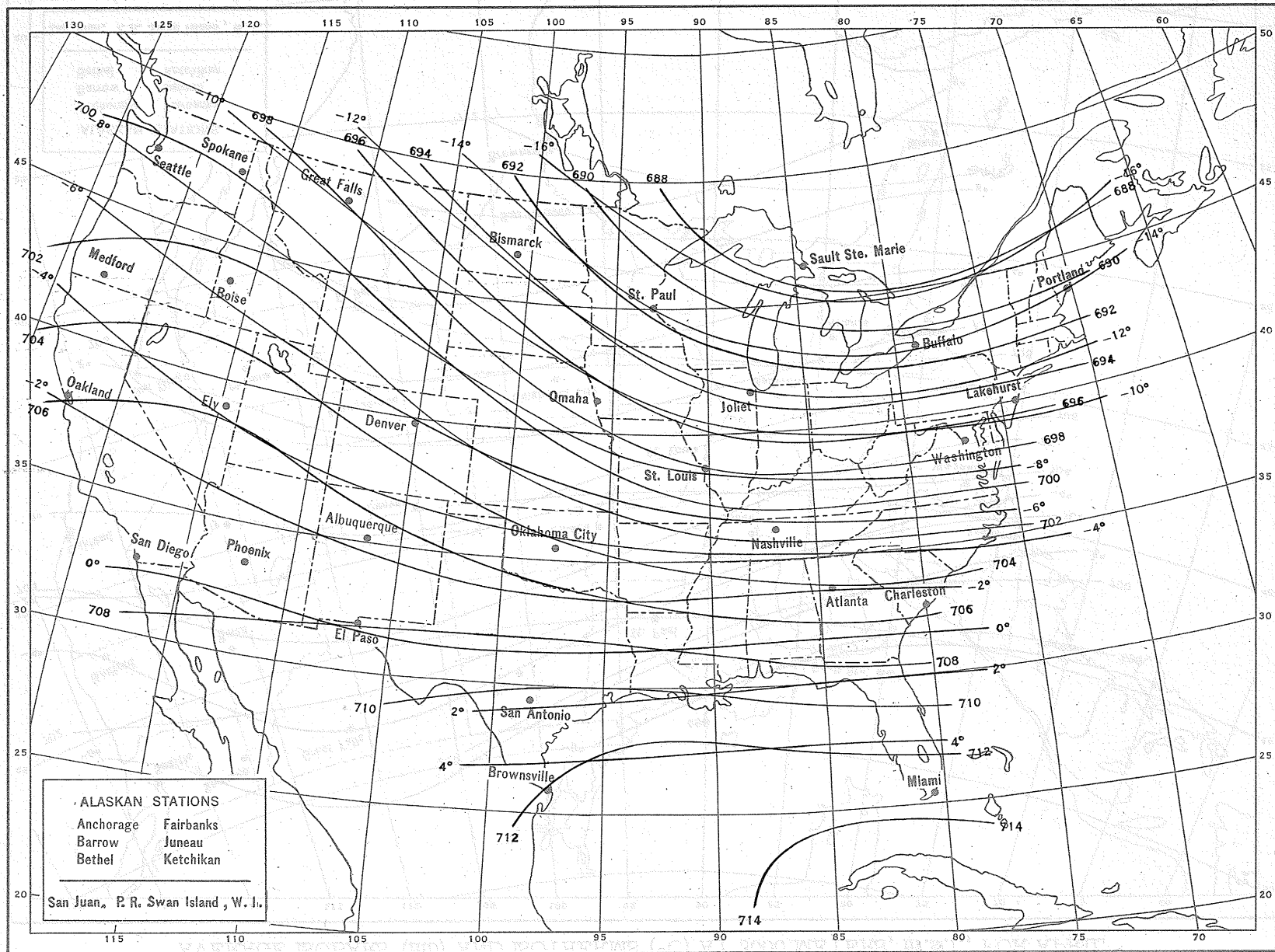
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 1500 METERS, m.s.l., FOR JULY



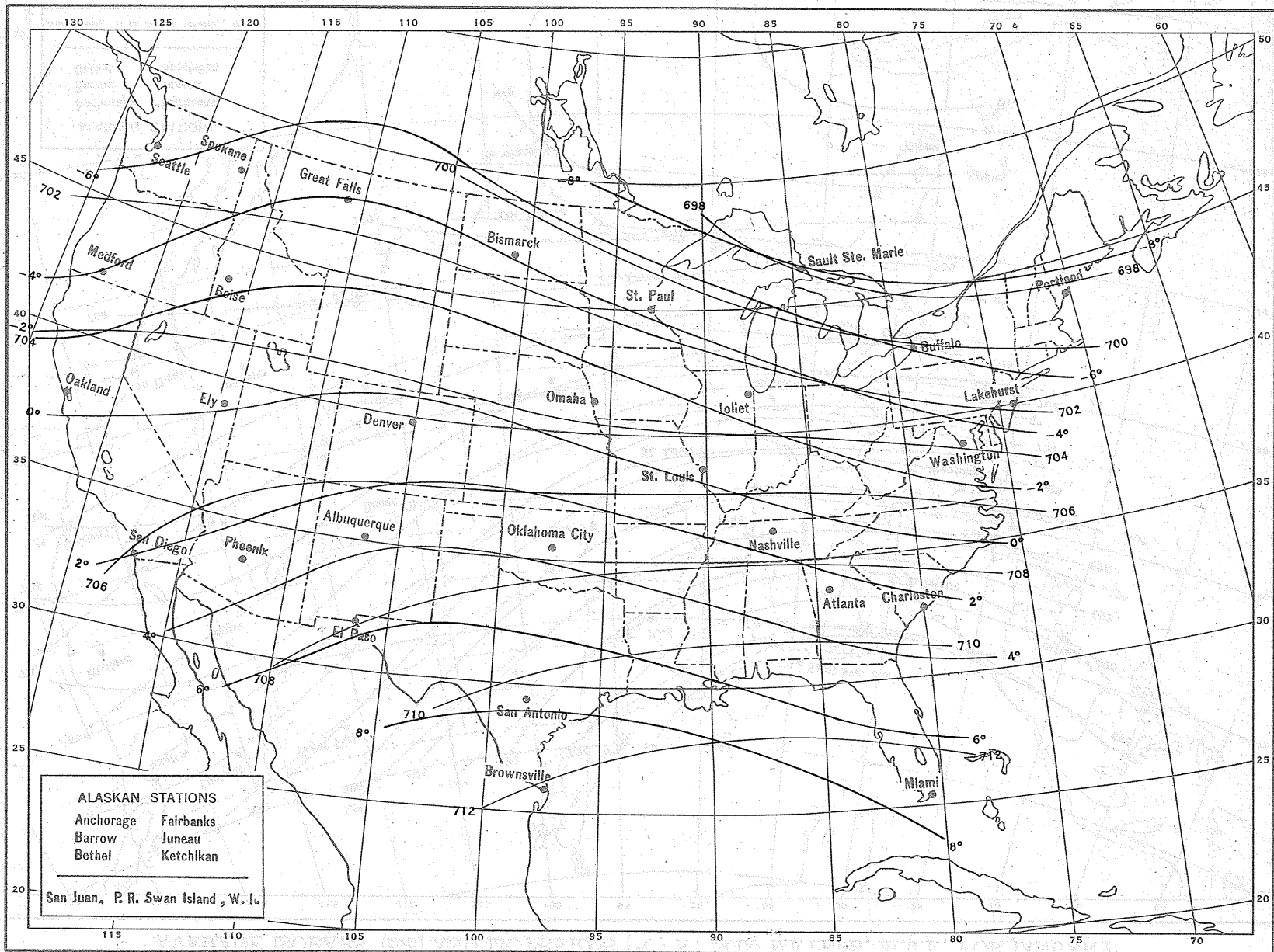
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 1500 METERS, m.s.l., OCTOBER



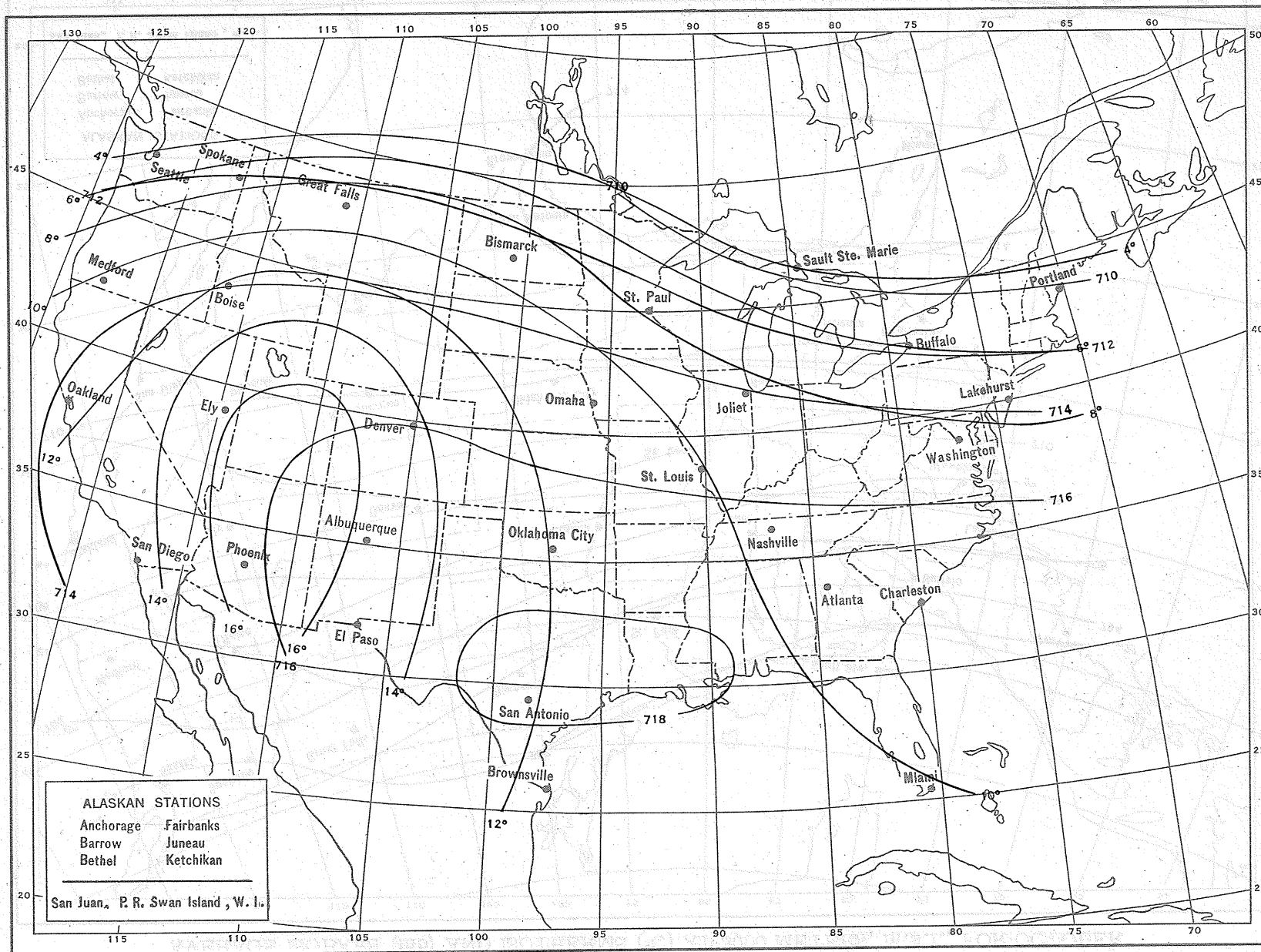
AVERAGE ISOBARS (mb) AND ISOTHERMS ( $^{\circ}\text{C}$ ) AT 3000 METERS, m.s.l., FOR JANUARY



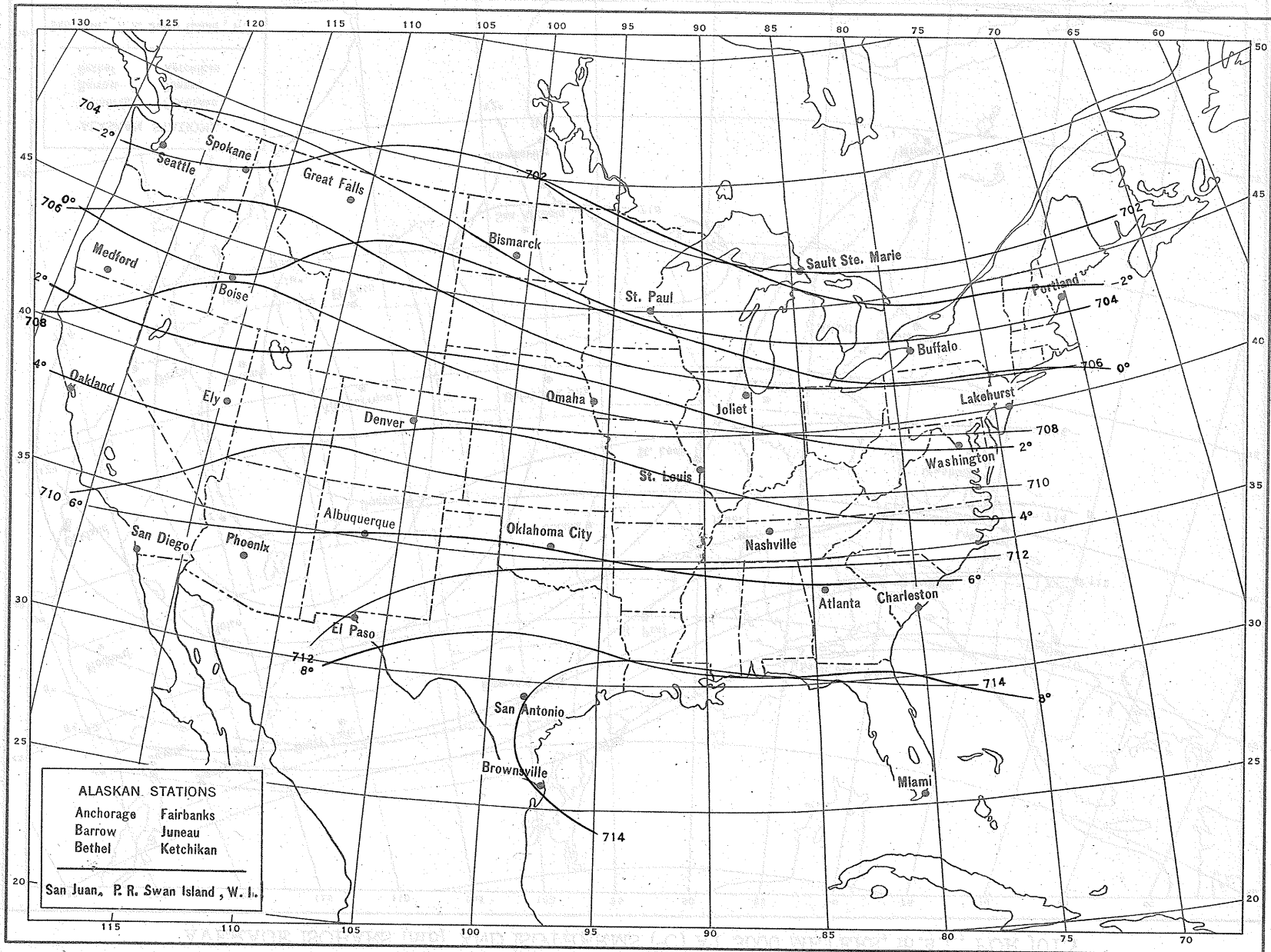
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 3000 METERS, m.s.l., FOR APRIL



AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 3000 METERS, m.s.l., FOR JULY

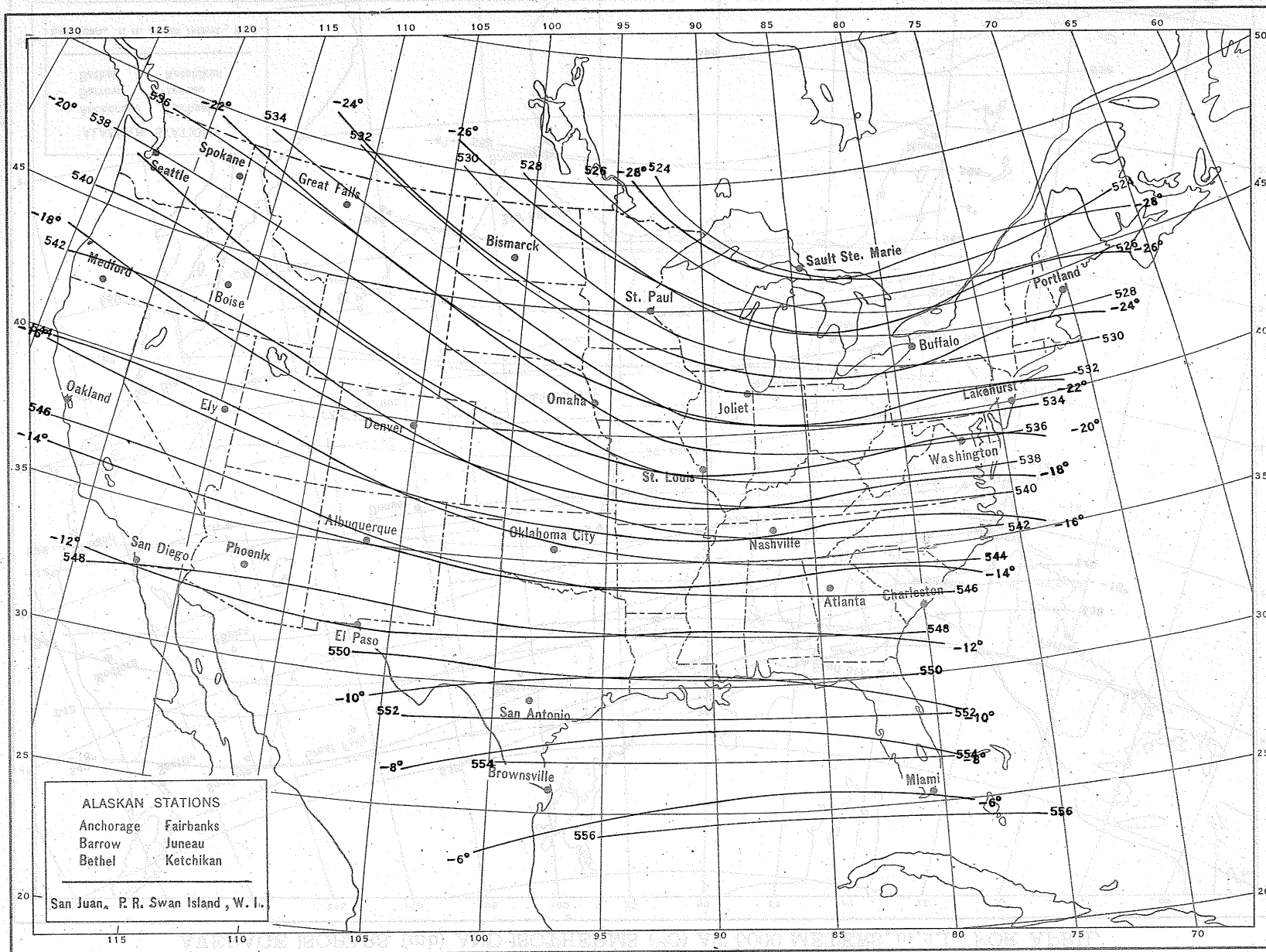


AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 3000 METERS, m.s.l., FOR OCTOBER

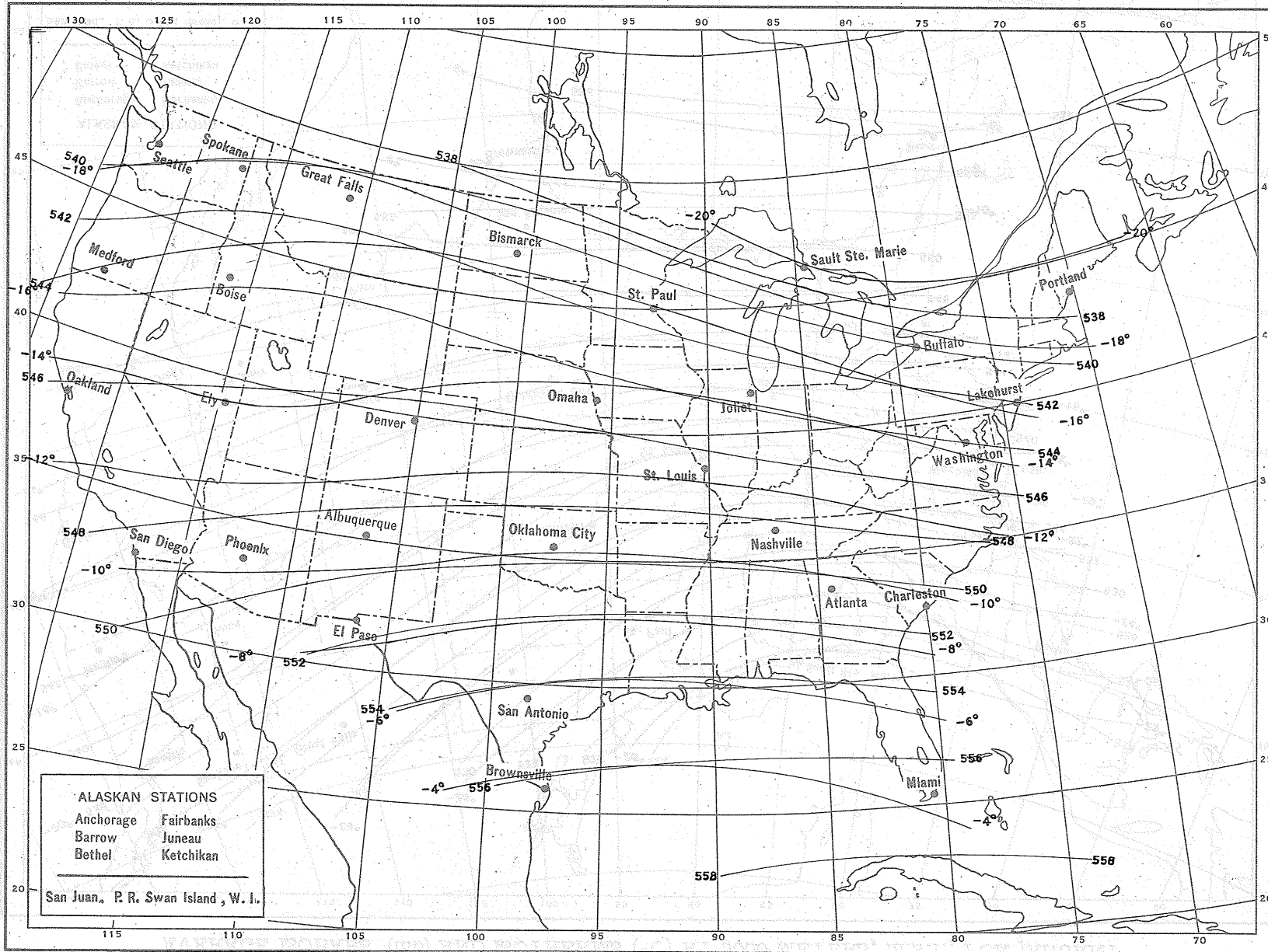




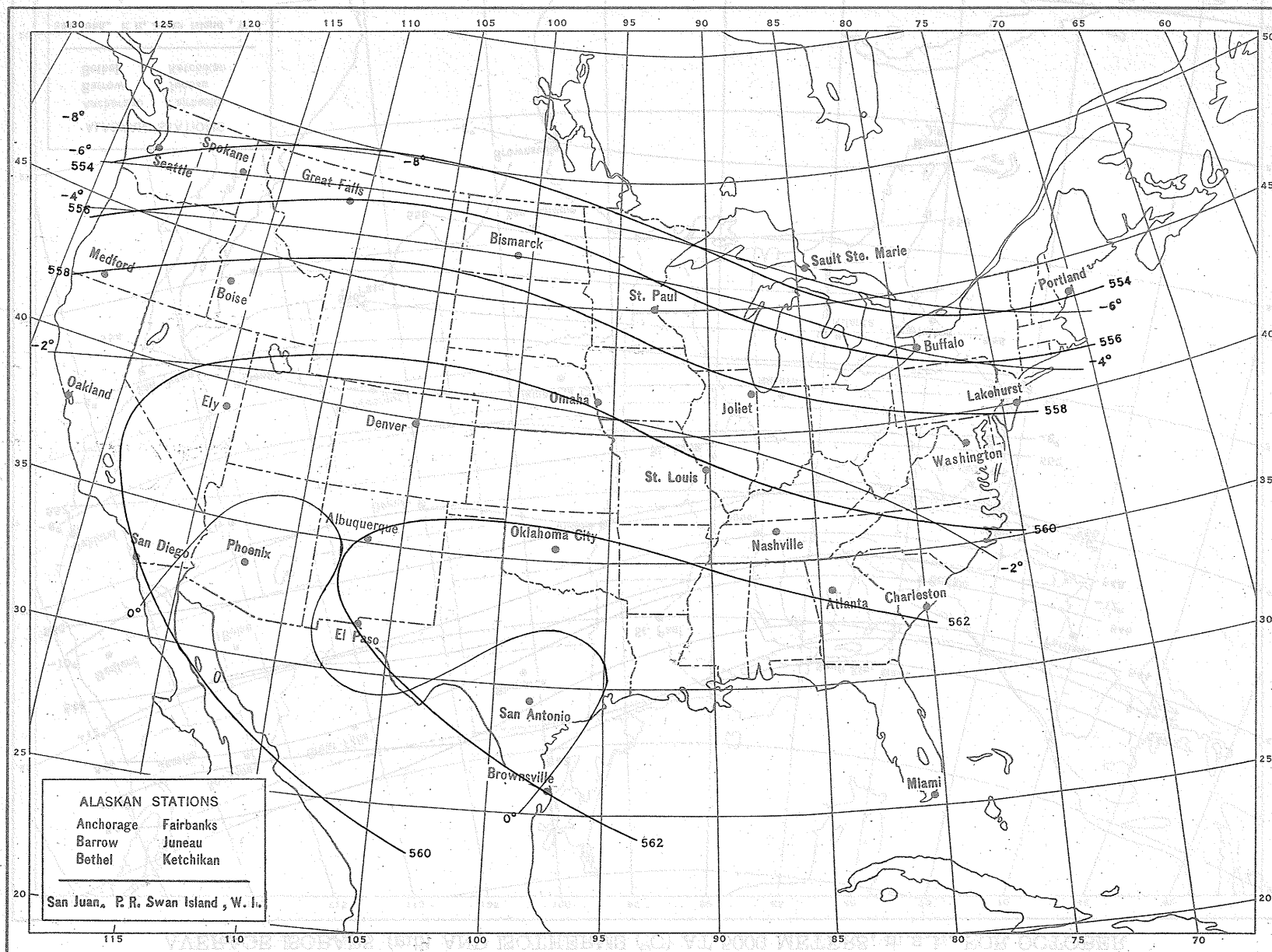
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 5000 METERS, m.s.l., FOR JANUARY



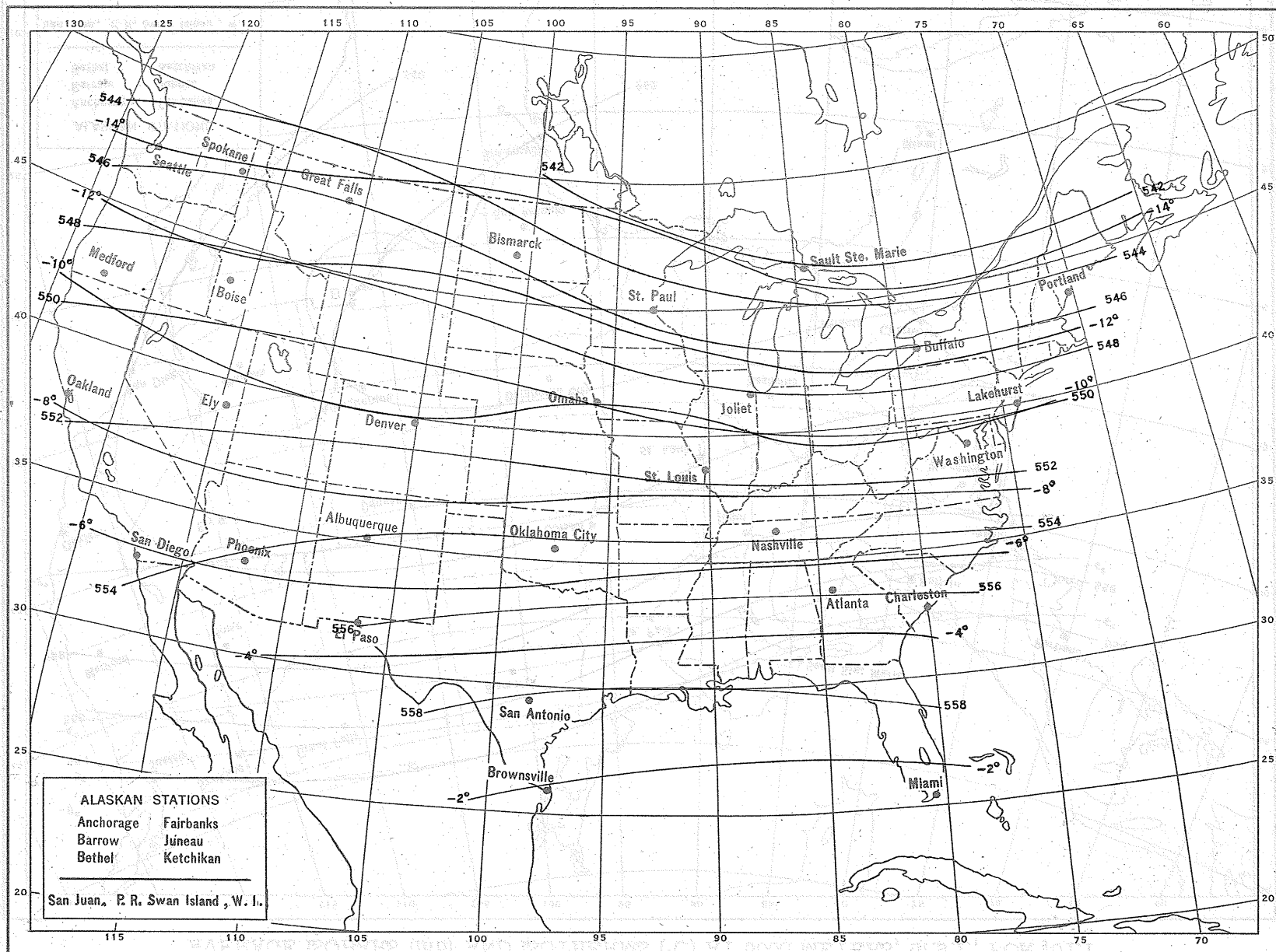
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 5000 METERS, m.s.l., FOR APRIL



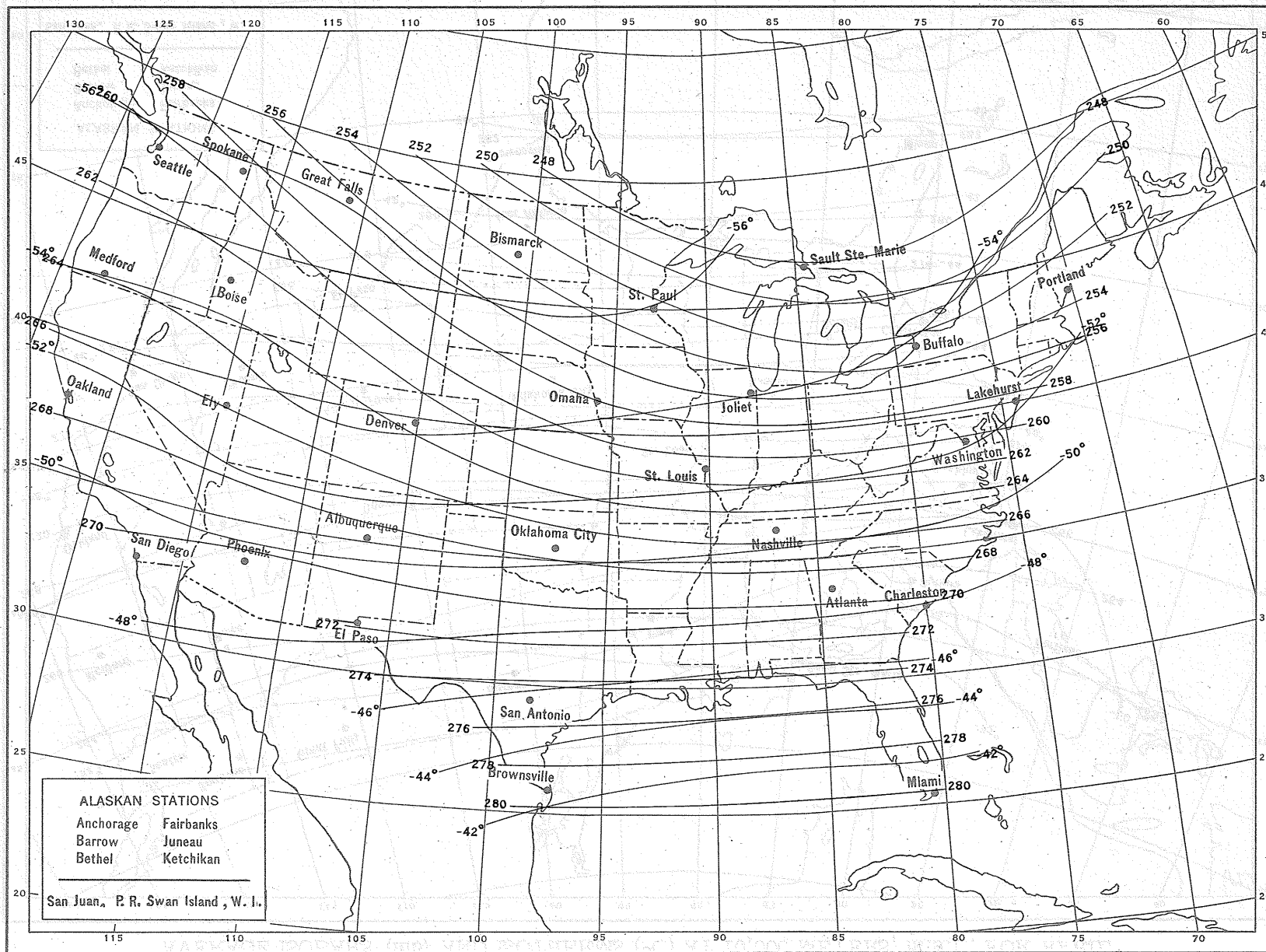
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 5000 METERS, m.s.l., FOR JULY



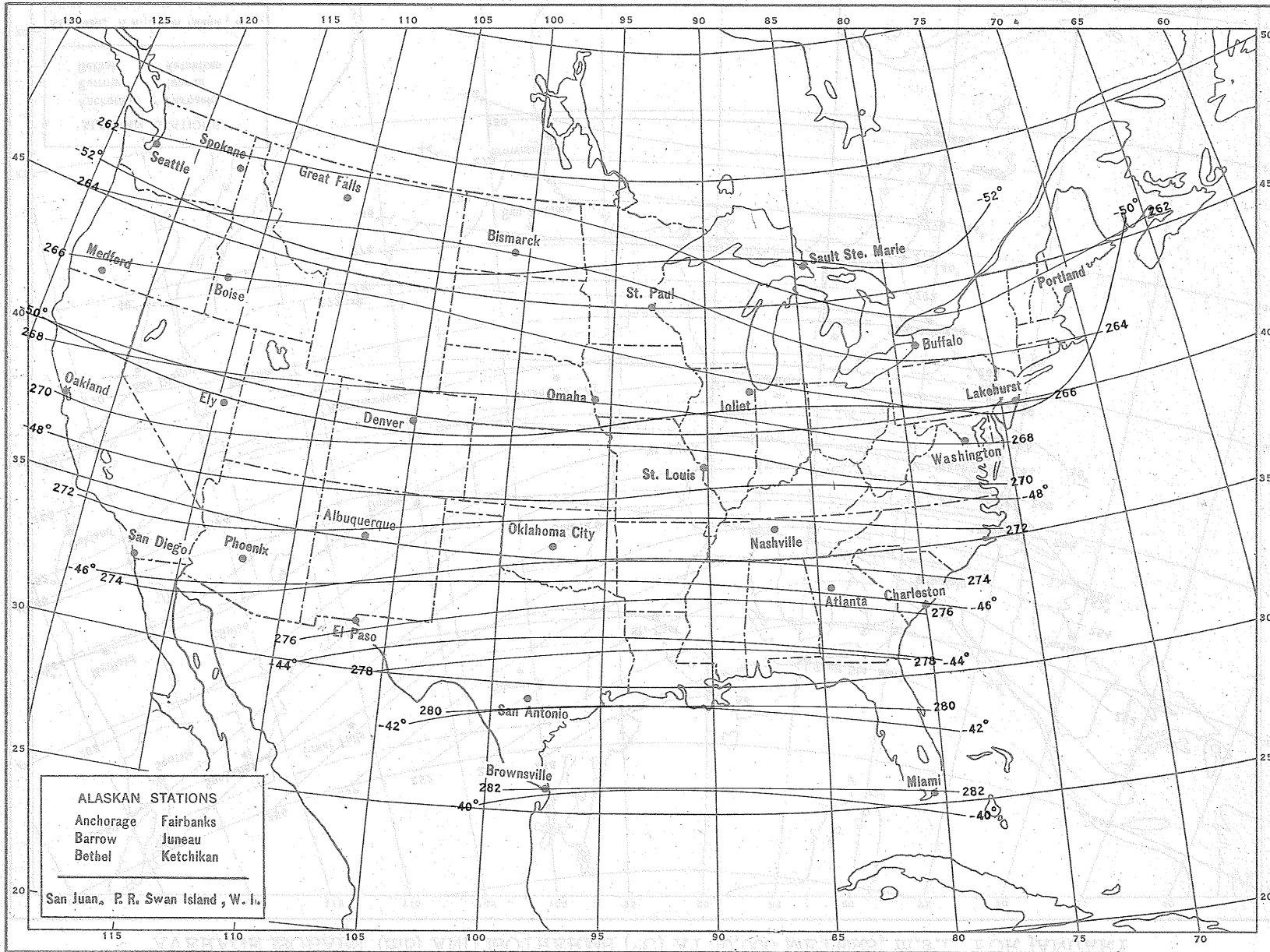
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 5000 METERS, m.s.l., FOR OCTOBER



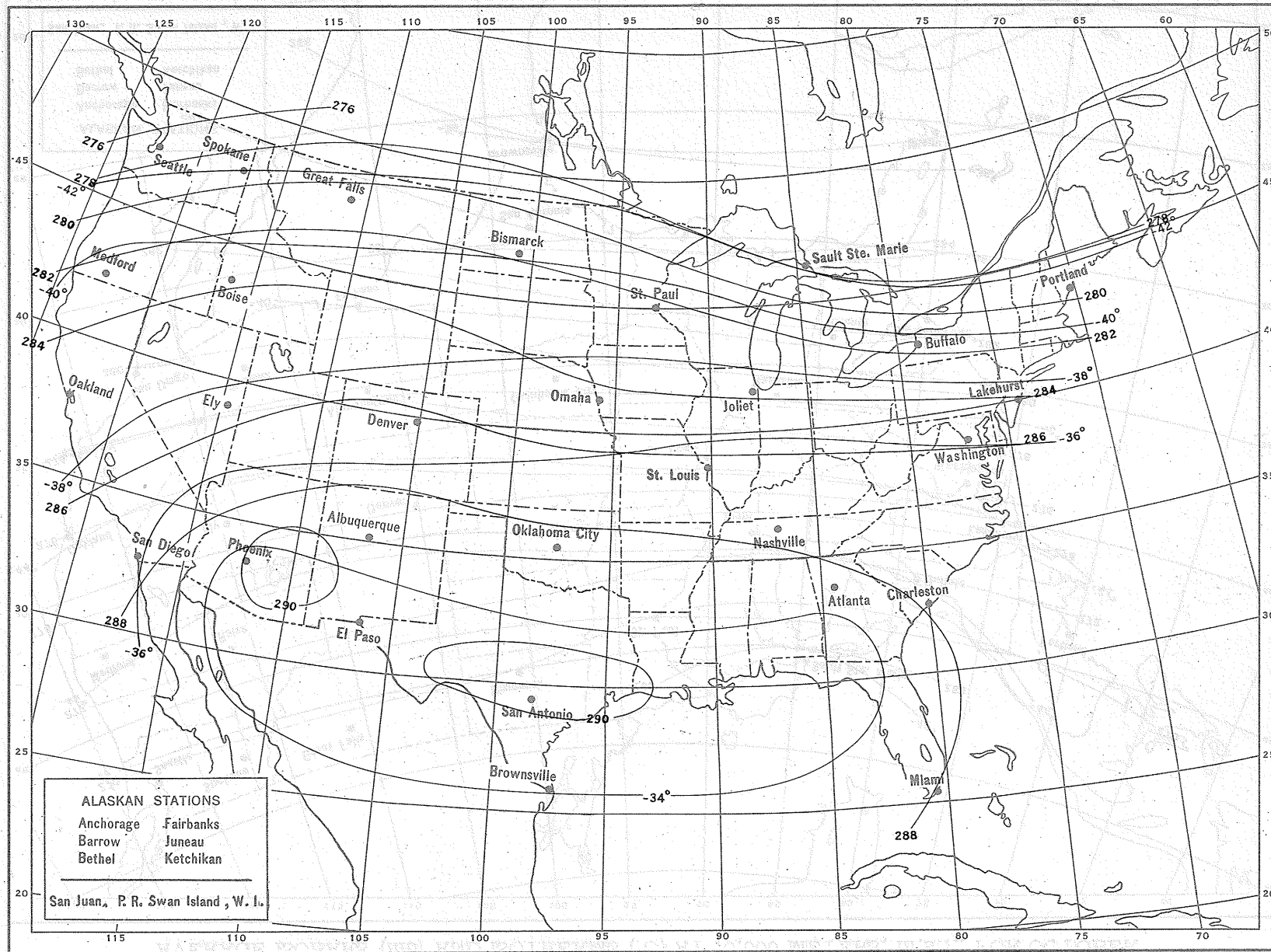
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 10,000 METERS, m.s.l., FOR JANUARY



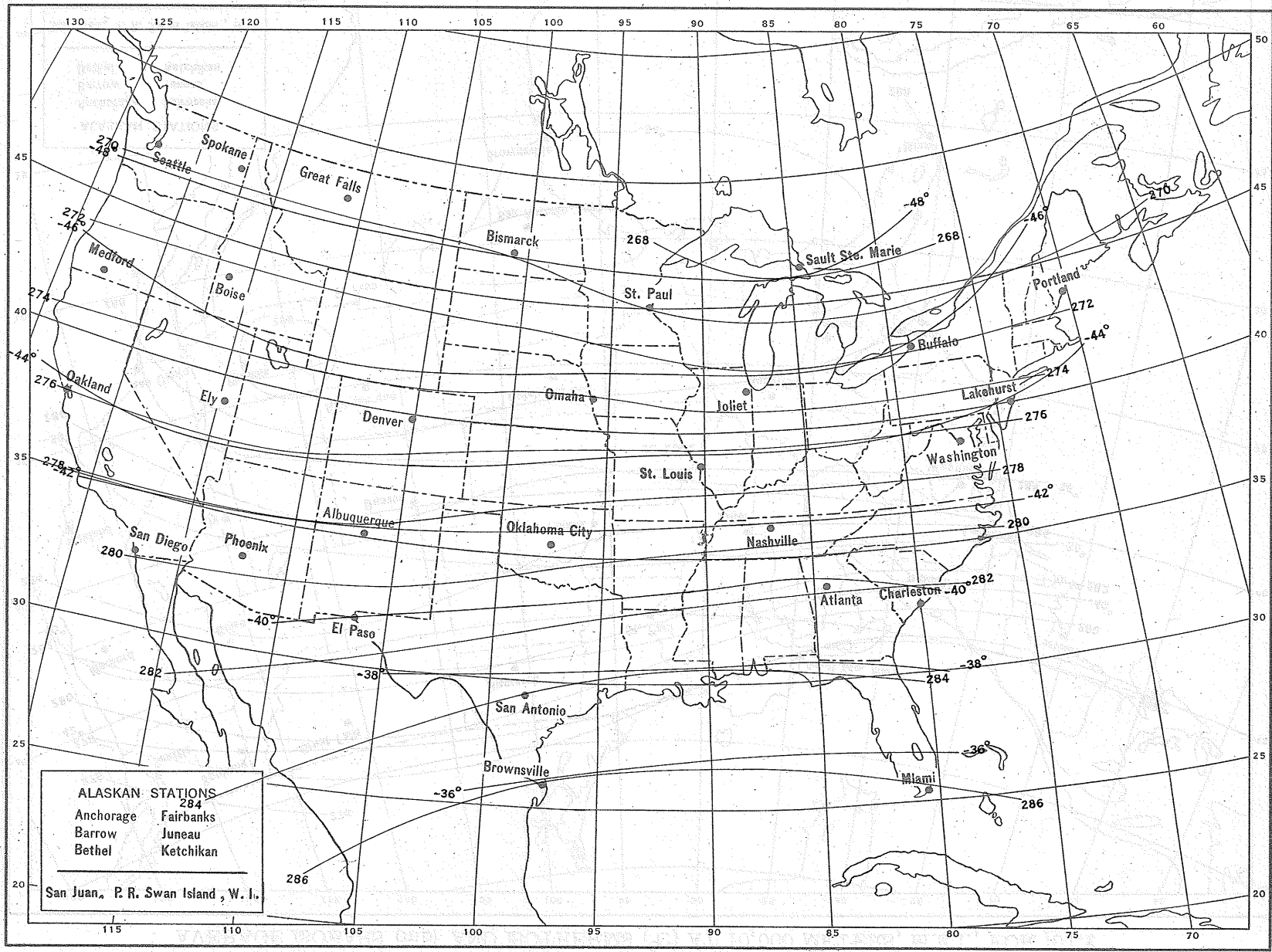
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 10,000 METERS, m.s.l., FOR APRIL



AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 10,000 METERS, m.s.l., FOR JULY



AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 10,000 METERS, m.s.l., FOR OCTOBER



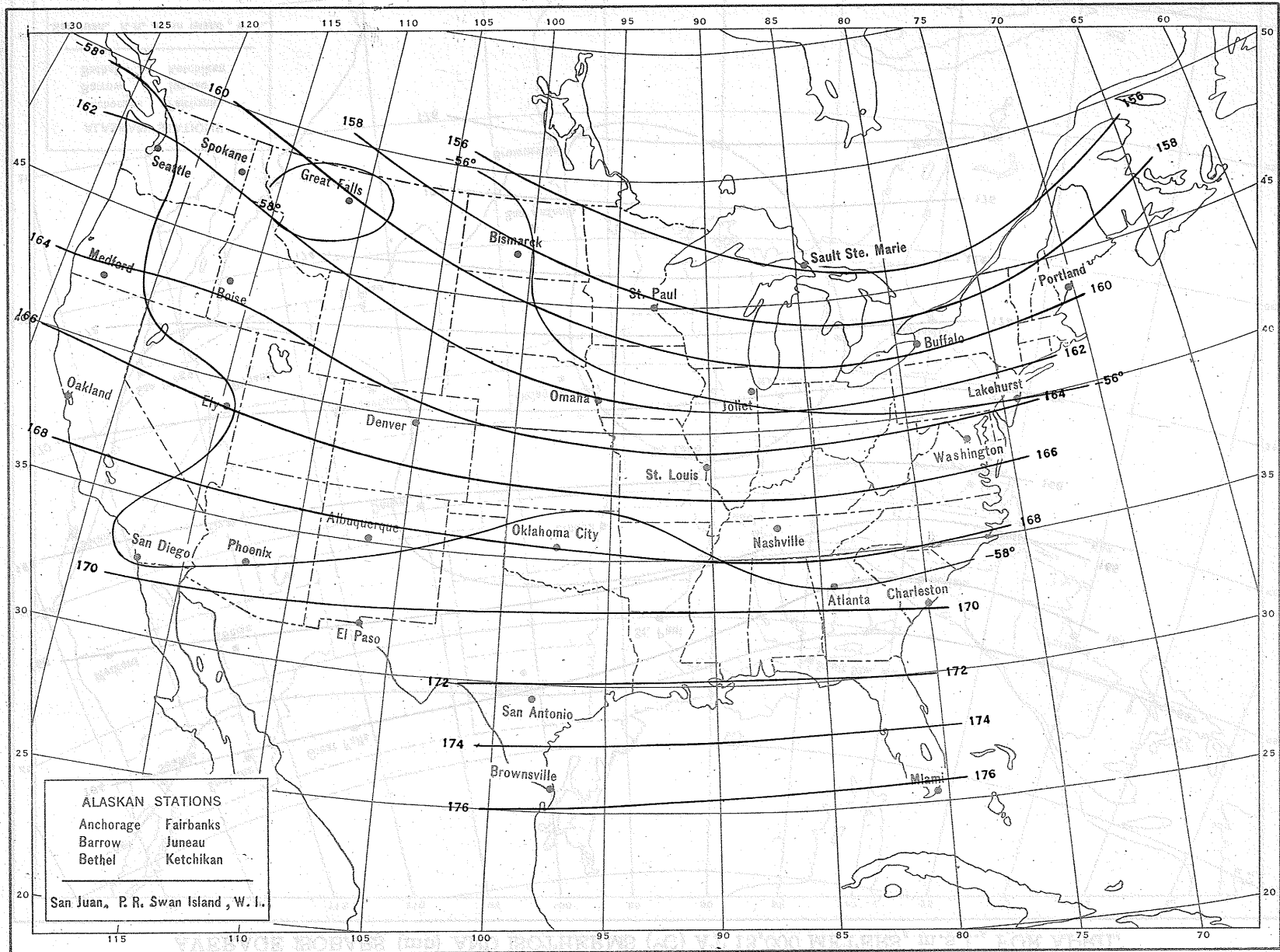
ALASKAN STATIONS  
 284  
 Anchorage Fairbanks  
 Barrow Juneau  
 Bethel Ketchikan

---

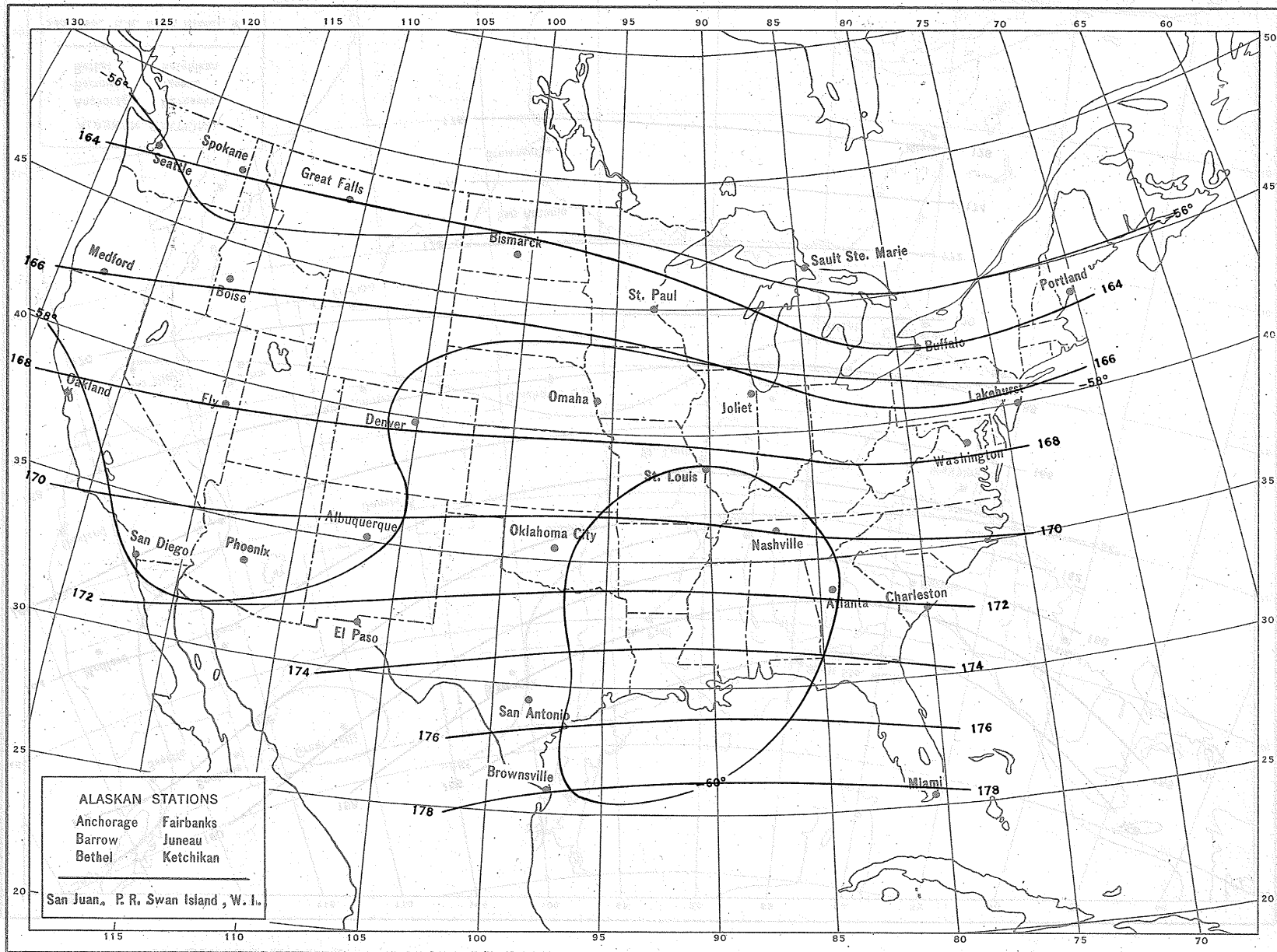
San Juan, P. R. Swan Island, W. I.  
 286



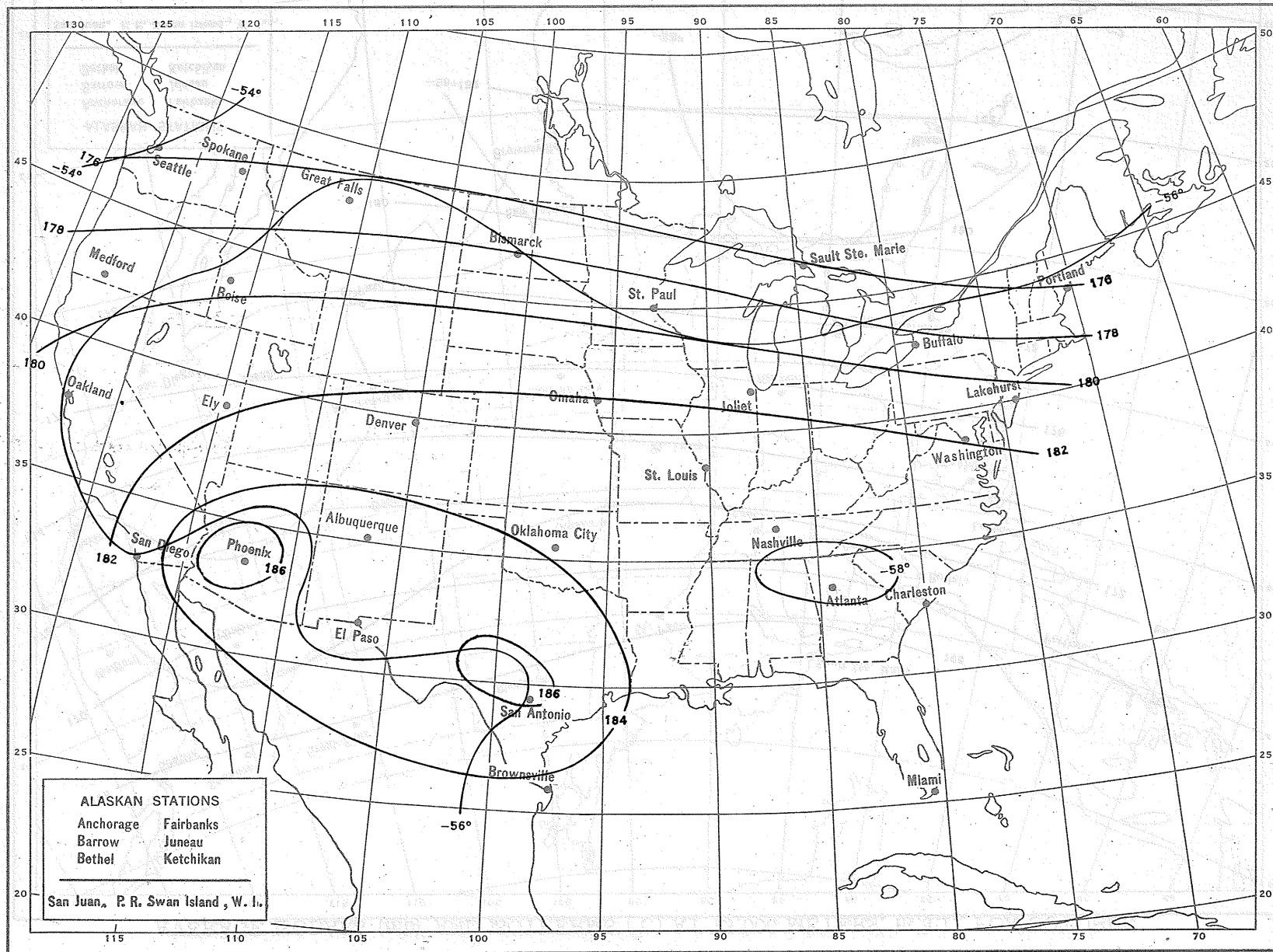
AVERAGE ISOBARS (mb) AND ISOTHERMS ( $^{\circ}\text{C}$ ) AT 13,000 METERS, m.s.l., FOR JANUARY



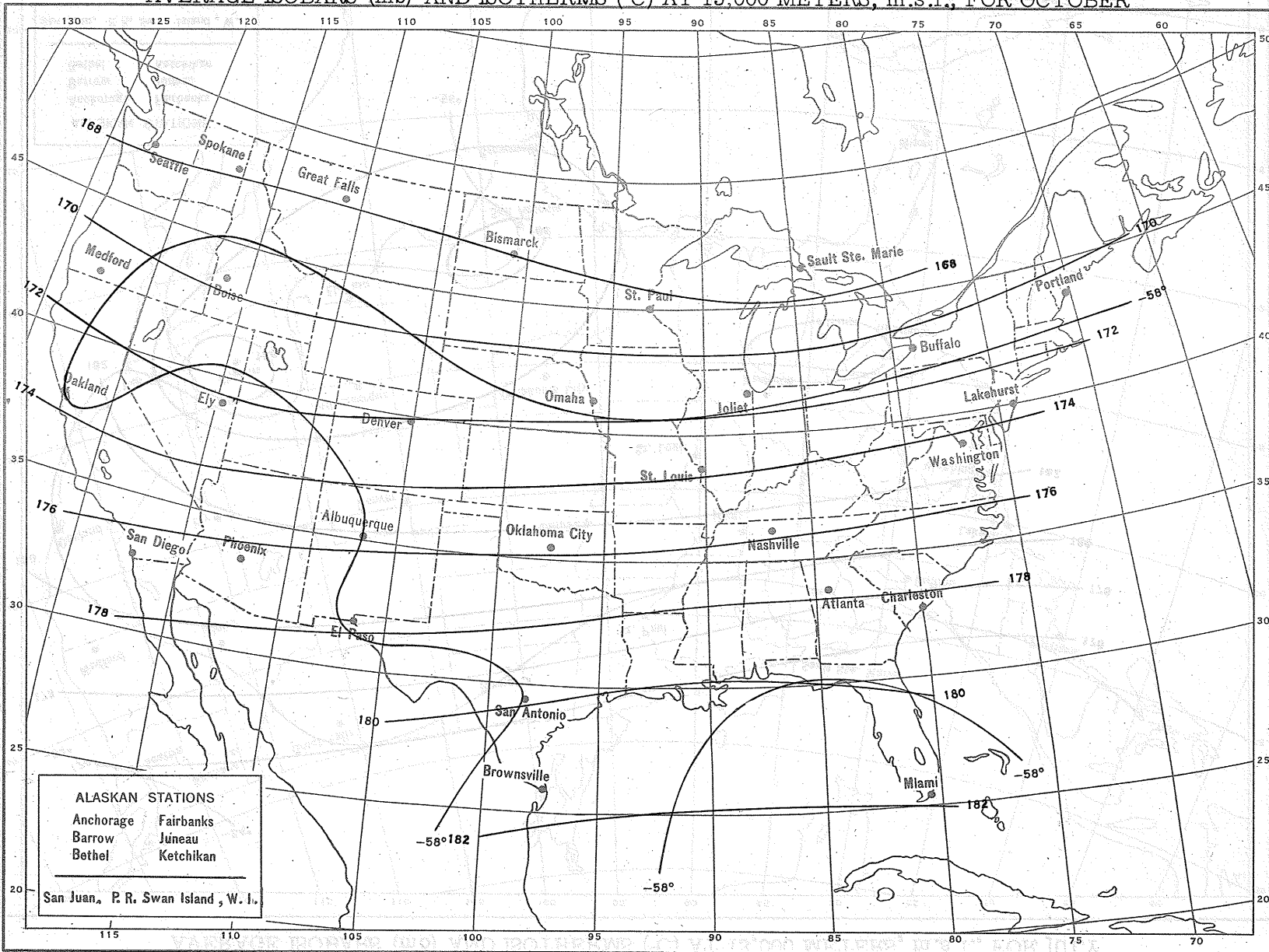
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 13,000 METERS, m.s.l., FOR APRIL



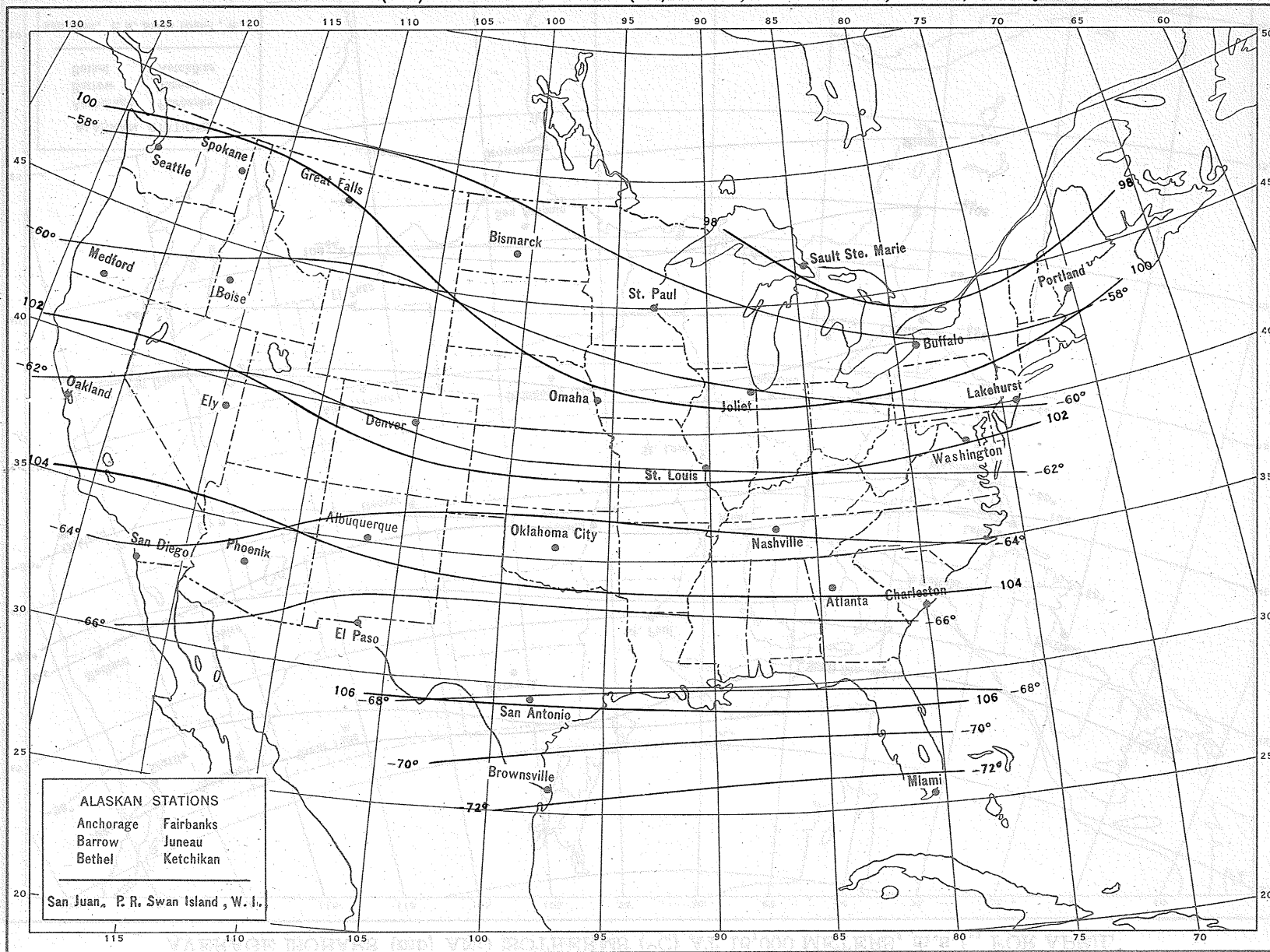
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 13,000 METERS, m.s.l., FOR JULY



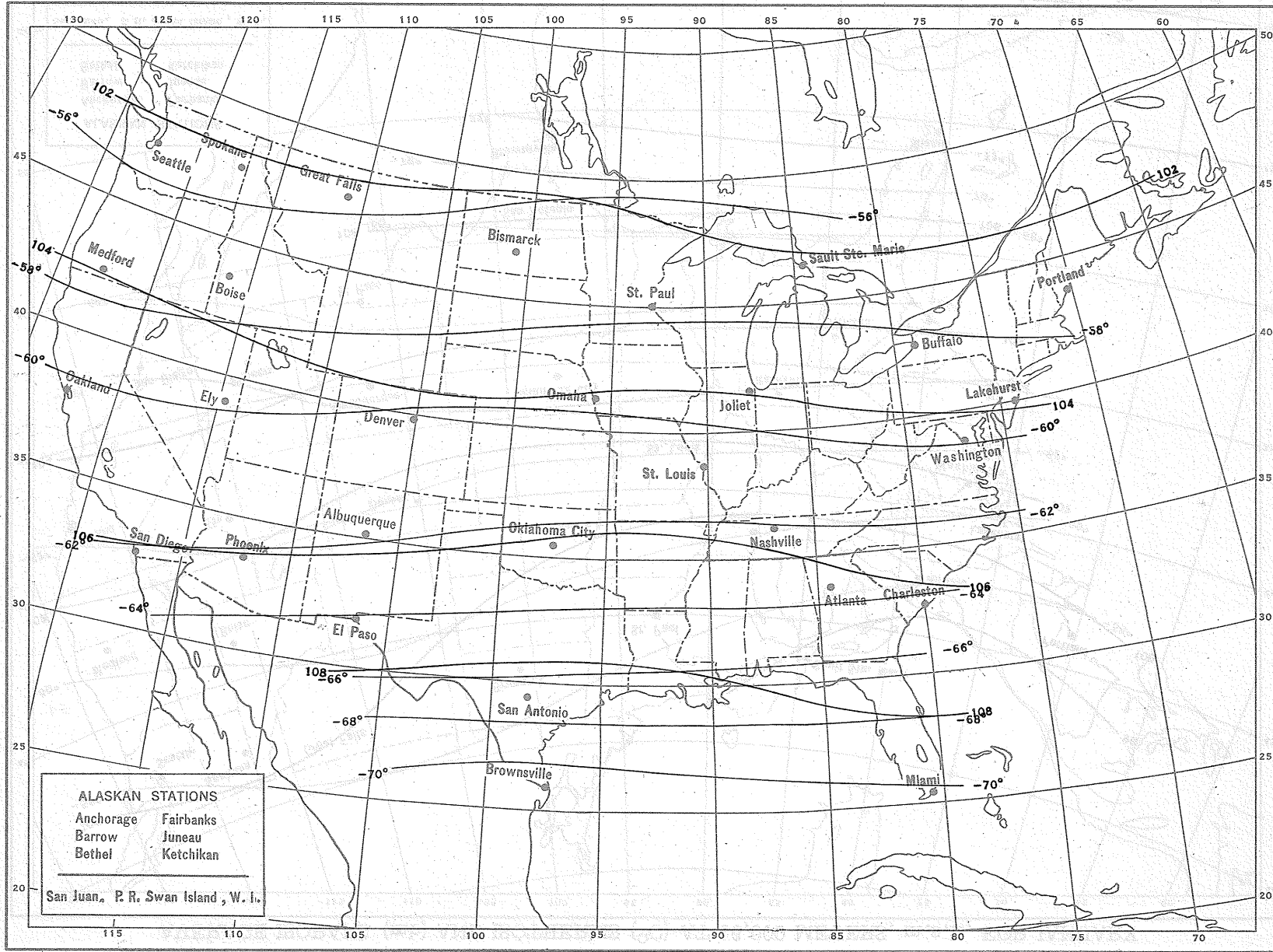
AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 13,000 METERS, m.s.l., FOR OCTOBER



AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 16,000 METERS, m.s.l., FOR JANUARY



AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 16,000 METERS, m.s.l., FOR APRIL



AVERAGE ISOBARS (mb) AND ISOTHERMS (°C) AT 16,000 METERS, m.s.l., FOR JULY

