CLIMATOLOGICAL DATA FOR MERZIFOUN, ASIA MINOR, FOR THE YEARS 1904 AND 1905.[1]

Contributed by Prof. J. J. MANISSADJIAN, Observer.

In continuation of tables published in the MONTHLY WEATHER REVIEW for January, 1903, p. 25, and for March, 1904, p. 118, I take pleasure in presenting the following summary of monthly and annual values observed at Anatolia College, Merzifoun, latitude 40° 51′ north; longitude 35° 31′ east; altitude 751 meters, or 2464 feet.

[In preparing these data for publication, the final decimal figure which appeared in the table received has frequently been increased by one to state the value to the *nearest* digit, instead of the *whole* digit. Other changes have been made as stated in footnotes.—EDITOR.]

[1] A similar summary for the year 1903 may be found in the MONTHLY WEATHER REVIEW, Vol. XXXII, No. 3 (March, 1904, issue), pp. 117-118; for the years 1892-1902 less complete records were printed in the REVIEW, June, 1897, Vol. XXV, p. 245, and January, 1903, Vol. XXXI, p. 25.

Meteorological records of Anatolia College, Merzifoun, Asia Minor.

1904.	Air pressure (in millimeters).[a]					Air temperature (in degrees centigrade).											
	Average.	Absolute. Maximum.	Date.	Absolute. Minimum.	Date.	7 a. m.	1:45 p. m.	9 p. m.	Average. Daily.[b]	Average. Maxima.	Average. Minima.	Average. Daily range.	Absolute maximum.	Date.	Absolute minimum.	Date.
January	694.9	699.0	26	690.0	12	— 5.3	— 0.9	— 3.9	— 3.5	0.2	— 6.0	6.2	4.5	3	—13.0	14, 15
February	691.1	698.3	5	682.8	24	1.5	8.2	3.7	4.3	9.3	0.8	8.5	11.0	16	— 6.0	5
March	690.7	697.2	9	682.4	22	— 0.3	6.0	1.9	2.4	7.5	— 0.7	8.2	15.5	16	— 4.5	4
April	690.5	696.7	14	684.0	29	7.3	12.6	7.2	8.6	14.0	3.1	10.9	21.5	22	— 6.0	17
May	691.1	694.9	27	688.4	31	13.5	16.2	10.9	[d]12.9	18.5	7.3	11.2	24.5	25	0.5	29
June	691.2	695.0	17	687.2	20	19.0	21.0	15.0	17.5	22.5	10.8	11.7	29.0	28	2.5	3
July	689.2	695.9	14	684.0	30	21.1	23.9	16.7	19.6	24.7	13.7	11.0	32.5	30	10.0	16
August	690.8	694.7	15	685.1	27	19.8	24.3	18.0	20.0	25.3	13.6	11.7	31.5	24	9.0	16
September	692.4	695.3	10	687.3	17	14.9	[e]23.1	14.1	[e]16.5	[e]21.7	10.2	[e]11.5	29.5	5	4.5	28
October	692.2	698.0	3	688.9	31	10.0	18.4	12.3	13.3	18.6	7.8	10.8	26.5	10	— 0.5	25
November	691.8	697.1	12	682.2	30	3.0	7.8	6.8	6.1	8.0	2.0	6.0	14.5	10	— 3.5	14
December	692.2	697.6	8	683.2	1	— 2.4	1.8	— 1.0	[e]— 0.6	2.6	— 2.8	5.4	8.0	16	—14.5	30
Total	8298.1	[f]8360.2	.....	[f]8225.5	.....	102.1	162.4	101.7	[g]117.1	172.9	59.8	113.1	[f]251.5	.....	[f]—21.5	.....
Average for the year	691.5	[f]696.7	.....	[f]685.5	.....	8.5	13.5	8.5	9.8	14.4	5.0	9.4	[f]21.0	.....	[f]— 1.8	.....
Annual extreme	.....	699.0	Jan. 26	682.2	Nov. 30	.....	.....	.....	.....	.....	.....	.....	32.5	July 30	—14.5	Dec. 30

1904.	Cloudiness, 0-10.						Precipitation (in millimeters).					Wind, number of observations with—								
	7 a.m.	1:45 p. m.	9 p. m.	Average.[b]	Clear days (less than 2.)	Cloudy days (more than 8)	Total.	Maximum.	Date.	Days with 1 mm.[i]	Days with more than 2 mm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
January	5.5	6.9	5.1	5.8	7	12	6.0	6.0	12	0	1	9	2	0	1	0	1	0	1	79
February	5.2	7.2	3.9	5.4	5	6	21.0	9.2	3	4	4	0	0	2	0	4	14	4	0	63
March	8.6	8.2	7.5	8.1	0	20	55.5	25.0	16	1	7	8	7	0	6	1	8	6	9	48
April	6.5	6.0	4.0	5.5	6	9	24.6	11.0	13	2	4	24	7	2	0	5	1	6	2	43
May	5.5	6.7	5.3	5.8	3	8	93.5	36.5	14	1	8	24	9	0	0	0	2	1	1	56
June	2.5	3.6	2.8	3.0	16	4	20.7	6.2	1	2	4	32	13	1	1	0	0	0	0	43
July	2.9	3.5	1.5	[j]2.6	16	1	0.0	0.0	.....	0	0	11	42	11	0	1	2	1	2	23
August	2.6	3.6	2.8	3.0	11	1	3.1	3.1	2	0	1	10	46	3	3	1	8	2	5	15
September	4.6	4.4	3.0	4.0	11	1	37.0	22.0	23	0	3	8	23	6	8	2	6	6	8	23
October	5.4	5.3	3.3	4.7	8	5	30.8	24.0	31	0	2	9	10	13	5	2	3	6	15	30
November	6.5	7.8	5.9	6.7	5	14	58.8	18.8	18	0	8	6	14	4	4	6	8	21	4	23
December	6.5	7.3	5.5	6.4	5	11	9.0	2.1	21	1	1	10	2	7	4	8	8	19	1	34
Total	62.3	70.5	50.6	[k]61.0	93	92	360.0	.....	.....	11	43	151	175	49	32	30	61	72	48	480
Average for the year	5.2	5.9	4.2	5.1	7.7	7.7	30.0	.....	.....	0.9	3.6	12.6	14.6	4.1	2.7	2.5	5.1	6.0	4.0	40.0

1905.	Air pressure (in millimeters).[a]					Air temperature (in degrees centigrade).											
	Average.	Absolute. Maximum.	Date.	Absolute. Minimum.	Date.	7 a. m.	1:45 p. m.	9 p. m.	Average. Daily.[b]	Average. Maxima.	Average. Minima.	Average. Daily range.	Absolute maximum.	Date.	Absolute minimum.	Date.
January	692.87	702.5	20	685.2	8	— 4.91	— 0.12	— 2.82	— 2.67	0.79	— 5.87	[p]6.67	9.5	2	—11.5	21, 28
February	694.39	703.0	25	687.6	5	— 5.46	— 0.26	— 3.50	— 3.18	0.78	— 5.96	6.75	7.0	16	—12.5	12
March	689.67	694.5	11	684.5	20	1.64	7.88	3.51	4.13	9.24	0.54	8.69	19.5	27	— 4.5	7
April	689.63	697.2	10	680.4	23	7.48	12.68	7.20	[l]8.64	13.95	3.86	10.08	24.0	23	[u]5.0	27
May	691.36	696.6	9	685.1	21	13.58	17.44	11.74	[m]13.62	19.43	7.83	11.59	25.5	21, 25	[u]0.0	9
June	689.31	694.0	4	685.2	13	16.65	19.63	13.96	[n]16.05	21.93	10.90	11.03	25.0	30	7.5	2
July	690.23	693.6	2	686.8	30	21.45	23.22	16.80	19.57	24.87	13.14	[q]11.73	30.5	26	10.0	5
August	691.02	693.8	26	687.6	30	20.32	23.46	17.06	19.47	24.40	13.00	11.40	30.5	30	9.0	25, 26
September	692.11	697.2	7	687.6	19	15.66	20.56	14.51	16.31	21.80	10.61	11.18	26.5	1, 23	5.0	20
October	691.90	697.0	12	686.0	20	15.75	21.90	17.79	18.31	22.67	7.50	[r]15.17	29.0	10	— 4.0	31
November	694.00	700.3	22	684.3	13	13.00	18.33	15.10	[o]15.38	18.86	2.53	[s]16.33	22.0	17, 24	— 3.0	1
December	693.60	699.2	22	684.3	14	1.58	4.88	2.70	2.96	5.86	— 3.30	[t]9.16	16.5	2	—13.0	23
Total	8300.09	[f]8368.9	.....	[f]8224.6	.....	116.74	169.60	114.05	128.59	184.58	54.78	[v]129.78	[f]265.5	.....	[f]—12.0	.....
Average for the year	691.67	[f]697.41	.....	[f]685.38	.....	9.73	14.13	9.50	10.72	15.38	4.56	10.82	[f]22.12	.....	[f]— 1.00	.....
Annual extreme	.....	703.0	Feb. 25	680.4	Apr. 23	.....	.....	.....	.....	.....	.....	.....	30.5	July 26, Aug. 30	—13.0	Dec. 23

Meteorological records of Anatolia College, Merzifoun, Asia Minor—Continued.

1905.	Cloudiness, 0-10.						Precipitation (in millimeters).					Wind, number of observations with—[w]								
	7 a. m.	1:45 p. m.	9 p. m.	Average.[h]	Clear days (less than 2).	Cloudy days (more than 8).	Total.	Maximum.	Date.	Days with 1 mm.[i]	Days with more than 2 mm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
January	6.22	6.93	5.45	6.20	3	10	25.5	14.2	6	0	4	20	0	8	3	6	10	12	1	33
February	5.92	6.82	5.64	6.13	3	9	12.0	4.8	19	2	3	15	7	4	0	4	8	10	8	27
March	7.51	7.03	5.93	6.82	3	14	37.1	10.5	21	4	6	12	3	7	3	3	9	11	14	31
April	7.00	7.03	5.06	6.36	2	12	36.1	7.1	8	2	7	9	8	10	2	5	9	15	12	20
May	6.35	6.74	4.74	5.94	2	7	32.0	9.8	27	2	6	14	16	13	3	2	3	11	6	25
June	6.33	7.03	4.53	5.96	1	6	[x]142.6	[x]56.0	16	5	12	16	8	17	1	2	2	15	5	24
July	2.03	3.25	1.38	2.22	18	0	0.0	0.0	.....	0	[y]0	28	22	9	2	1	7	0	2	22
August	1.93	2.32	1.16	1.80	23	2	2.0	2.0	24	0	1	22	27	10	3	1	5	8	0	17
September	2.70	2.90	1.96	2.52	17	0	19.2	5.7	2	0	5	9	23	6	5	2	3	8	6	28
October	4.96	5.90	3.80	4.89	6	7	61.6	24.2	20	0	6	9	10	3	8	4	9	8	10	32
November	6.23	7.16	5.56	6.32	2	12	17.0	7.1	27	2	2	4	10	10	6	4	8	8	5	35
December	6.45	7.61	6.41	6.82	2	13	22.1	10.6	6	3	3	6	17	7	2	4	5	12	7	33
Total	63.63	70.72	51.62	61.98	82	92	407.2	.....	.....	20	55	164	151	104	38	38	78	118	76	327
Average for the year	5.30	5.89	4.30	5.16	6.83	7.67	33.93	.....	.....	1.67	4.58	13.67	12.58	8.67	3.17	3.17	6.50	9.83	6.33	27.25

[a] As to the reduction to standard gravity nothing is said; presumably the readings are reduced to 0° C., but not to standard gravity. (See Vol. XXXI, p. 25.)
[b] Found by formula 1/4 (7 a. m. + 1:45 p. m. + 9 p. m. + 9 p. m). In computing means for the year 1903, the three observations were given equal weight, but not in the years preceding.
[c] 23.1, mean temperature at 1:45 p. m. observation in September, 1904, and 21.7, mean daily maximum for the month, are discordant. Presumably either the daily mean, 16.5, or the daily range, 11.5, is erroneous.
[d] 12.6 in table received.
[e] —0.4 in table received.
[f] Sum, or mean, of the twelve monthly extremes. In the case of the minimum temperatures for 1905 there is some uncertainty. (See note.[u])
[g] 116.6 in table received.
[h] The three observations are given equal weight; therefore this mean is not a value for daylight cloudiness, nor yet for the full twenty-four hours.
[i] Apparently days on which the precipitation amounted to 1 mm., but did not exceed 2 mm.
[j] 2.0 in table received.
[k] 60.4 in table received.
[l] 8.83 in table received.
[m] 13.49 in table received.
[n] 16.01 in table received.
[o] 15.36 in table received.
[p] 0.67 in table received.
[q] 11.85 in table received.
[r] 15.50 in table received.
[s] 16.35 in table received.
[t] 9.14 in table received.
[u] 5.0, absolute minimum for April, 1905, is manifestly an erroneous figure, for the average of the daily minima, 3.86, is less. Perhaps the values of April and May should be transposed, or possibly the correct value for April is —5.0, or 0.5.
[v] 130.23 in table received.
[w] The wind record for one observation in February, 1905, appears to be lacking.
[x] The precipitation on June 16, 1905, 56.0 mm., appears to be the greatest amount for this station in one day, not only during this year, but during the full period of which records have reached us. The amount for June, 1905, 142.6 mm., seems also unequaled in past records of monthly totals for Merzifoun.
[y] 1 in table received.

RAINFALL IN JAMAICA.

Through the kindness of Dr. H. H. Cousins, chemist to the government of Jamaica and now in charge of the meteorological service of that island, we have received the following table.

The rainfall for August was therefore below the average for the whole island. The greatest fall, 21.40 inches, occurred at Fellowship, in the northeastern division; while the least, 0.97 inch, fell at Harmony Hall, in the northern division.

Comparative table of rainfall.

[Based upon the average stations only.]

AUGUST, 1906.

Divisions.	Relative area.	Number of stations.	Rainfall.	
			1906.	Average.
	Per cent.		*Inches.*	*Inches.*
Northeastern division	25	19	9.25	8.88
Northern division	22	47	4.38	4.47
West-central division	26	23	8.41	9.38
Southern division	27	33	5.87	5.84
Means	100		6.98	7.14