American University of Beirut, Observatory

QC
990
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M6
1912

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA.

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

JANUARY 1912

ALFRED H. JOY, DIRECTOR

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IMP. DES BELLES-LETTRES, BEYROUTH

National Oceanic and Atmospheric Administration

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March 28, 2002

January 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 2 1-2; 8 1-2;

Date	Barometer reduced to 0° C, Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of vapor Millimeters				Relative Moisture per cent.				Clouds. Clear — 0 Overcast — 10				Direction and force of Wind 0 — 10			Sea	Bright Sunshine	Condition Weather Symbols			Further Daily Notes
	8½	2½	8½	mean	max.	min.	min. on grass.	8½	2½	8½	mean	8½	2½	8½	8½	2½	8½	mean		2½	8½	mean	8½	2½	8½	mean	8½	2½	8½		hrs.	8½	2½	8½	
1	760.7	760.9	762.4	761.33	14.4	8.3		11.7	13.7	11.8	12.40	9.4	10.7	9.9	7.6	7.9	8.1	7.47	67	77	72.7	10n	10n	10cu	10.0	SW3	SW1	S1	calm	0.0	r	r	r	
2	62.3	60.9	60.0	61.07	17.2	8.3		12.1	16.4	14.5	14.33	8.5	10.4	9.7	6.6	6.7	6.7	6.67	47	55	54.7	9cu	8cu-ci	6cu-ci	7.7	0	S2	S1	«	2.0	c	c	c	
3	61.7	60.0	59.0	60.23	13.9	10.3		10.9	12.3	11.0	11.40	10.0	11.0	10.2	8.6	9.0	8.8	8.80	84	90	87.3	10n	10n	10n	10.0	SE1	S1	0	«	0.0	r	r	r	afternoon
4	55.3	54.7	56.0	55.67	13.1	10.4		12.7	9.8	10.4	10.97	11.1	9.2	8.8	8.9	8.4	7.7	8.33	92	81	85.0	10n	10n	10n	10.0	S4	S4	S5	slight	0.0	«	«	«	
5	59.7	61.7	63.6	61.67	14.9	7.1		9.9	14.1	10.4	11.47	9.2	10.1	8.8	8.4	7.3	7.7	7.80	61	81	77.7	9cu	9cu	4cu	7.3	S1	S1	S1	calm	1.8	«	c	b	
6	66.5	66.4	66.8	66.57	15.2	8.6		11.6	14.3	12.1	12.67	9.6	12.1	9.8	7.8	9.2	7.7	8.23	76	74	75.3	4cu	8cu	8cu	6.7	S1	0	S1	«	1.3	b	«	r	
7	66.3	64.5	64.4	65.07	17.0	10.2		14.6	16.5	12.3	13.47	9.3	12.6	9.2	7.5	8.7	7.4	7.77	68	66	67.3	0	1cu	0	0.3	0	W1	S1	«	6.6	«	b	b	
8	62.4	60.1	59.7	60.73	17.3	10.7		13.0	16.3	12.7	14.00	8.8	11.8	10.5	6.5	8.0	8.3	7.60	59	76	64.3	0	1ci	1cu	0.7	S1	E2	SE1	«	7.0	«	«	«	
9	55.6	51.2	53.0	53.27	18.3	11.3		14.7	15.6	12.8	14.37	10.0	10.5	9.9	6.9	7.0	7.6	7.17	54	68	59.0	9cu-s	10n	10n	9.7	SW3	SW6	SW6	slight	2.6	c	r	r	
10	58.8	61.6	64.4	61.60	15.1	7.8		8.9	14.3	12.1	11.77	7.8	11.1	9.9	7.3	8.1	7.9	7.77	67	75	76.0	3cu	3cu	3cu	3.0	E1	E2	S1	calm	5.3	b	b	b	
11	65.9	64.6	64.7	65.07	16.0	8.3		12.4	15.1	12.2	13.23	9.3	11.5	10.5	7.1	8.2	8.5	7.93	65	79	70.3	4cu-ci	8cu-ci	2cu	4.7	S1	W2	S1	«	2.8	«	c	«	
12	61.8	59.4	59.5	60.23	16.6	10.7		12.2	15.8	13.2	13.73	8.8	12.0	9.9	6.8	8.4	7.5	7.57	62	65	63.3	7cu-ci	9cu	3cu	6.3	SE1	E1	S1	«	3.5	c	«	«	
13	60.2	60.3	61.8	60.77	15.0	9.4		10.9	13.7	13.2	12.93	9.9	12.1	9.4	8.6	9.6	7.0	8.40	82	61	77.0	10n	10n	4cu	8.0	SE1	SW2	SW5	«	0.4	r	r	«	
14	64.9	65.6	67.6	66.03	14.8	10.3		10.6	14.1	11.4	12.03	8.7	9.9	9.8	7.3	7.0	8.1	7.47	58	80	71.7	10n	8cu	9cu	9.0	S1	SW4	S1	v.slight	1.9	«	c	c	
15	68.5	67.2	66.6	67.43	15.8	9.7		11.1	15.0	13.3	13.13	9.5	11.7	10.7	8.0	8.5	8.2	8.23	67	71	73.0	10n	7cu-ci	1cu	6.0	SE1	NE2	E2	calm	2.9	«	«	b	
16	64.2	63.0	63.7	63.63	17.7	10.6		13.4	17.1	13.1	14.53	9.0	12.6	11.2	6.5	8.5	8.8	7.93	59	79	64.7	10cu	8cu	0	6.0	SE1	W2	S1	«	4.3	c	«	«	
17	64.3	63.3	64.6	64.07	16.7	10.2		12.1	15.6	15.1	14.27	9.0	12.1	9.9	6.9	8.6	6.7	7.40	65	53	61.3	1cu	3cu-ci	2cu	2.0	S1	W2	S1	«	6.8	b	b	«	
18	64.9	63.4	61.7	63.33	14.3	9.9		11.6	11.4	10.4	11.13	9.4	10.7	10.0	7.6	9.1	8.9	8.53	74	90	95	86.3	10n	10n	10n	10.0	S1	S1	S1	«	0.1	r	r	r	
19	62.0	64.1	66.6	64.23	12.8	9.0		10.3	12.4	11.2	11.20	8.3	6.6	6.4	7.1	5.0	5.2	5.77	76	47	52	58.3	10n	1cu	2cu	4.3	N5	N5	NE2	slight	4.7	«	b	b	
20	68.0	67.6	67.8	67.80	13.4	8.6		10.3	12.1	11.2	11.20	6.3	8.2	7.3	5.4	6.2	5.9	5.83	53	60	60	59.3	2cu	7cu	3cu	4.0	SE1	N3	NE2	calm	6.0	b	r	«	
21	65.8	63.9	64·1	64.60	13.3	6.7		8.9	12.2	10.0	10.37	5.6	8·5	7.3	5.3	6.4	6.3	6.00	62	61	69	64.0	10cu	10cu	4cu	8.0	SE1	N3	S1	«	0.0	c	«	«	
22	64.7	65.1	65.8	65.20	14.6	8.2		10.2	13.8	10.5	11.50	7.5	9.6	8.1	6.4	6.9	6.8	6.70	59	59	73	67.0	1cu	9cu	3cu	4.3	SE1	0	S1	«	5.2	b	«	«	
23	65.9	65 6	66.3	65.93	13.0	9.5		11.6	12.3	10.2	11.37	9.8	10.5	8.3	8.1	8.4	7.2	7.90	79	78	78	78.3	10n	10n	2cu	7.3	SE1	S1	S1	«	0.0	r	r	«	
24	67.4	67.5	69.6	68.17	14.2	8.1		10.1	13.3	11.3	11.57	8.4	10.1	8.8	7.4	7.6	7.2	7.40	80	66	72	72.7	9n	3cu	9cu	7.0	S1	N1	W3	«	5.0	«	b	c	
25	70.4	69.9	70.2	70.17	13.9	8.2		11.2	13.7	11.0	11.97	7.8	9.4	8.3	6.2	6.8	6.8	6.60	53	58	70	63.7	4cu	1cu	0	1.7	S1	N1	S1	«	8.3	b	«	b	
26	69.0	67.5	67.3	67.93	14.4	8.9		10.9	14.4	11.4	12.23	7.9	10.5	8.8	6.4	7.5	7.1	7.00	66	61	71	66.0	10cu	0	3cu	4.3	SE1	N2	S1	«	5.0	c	«	«	
27	67.0	65.5	65.3	65.93	15.8	9.3		11.6	15.9	13.9	13.80	7.6	11.2	9.3	5.9	7.5	6.6	6.67	58	55	56	56.3	0	3ci	0	1.0	SE1	NE1	0	«	7.4	b	«	«	
28	65.6	63.5	65.2	64.77	19.2	10.7		15.2	18.9	16.1	16.73	11.1	14.4	12.5	7.8	9.7	8.9	8.80	60	60	65	61.7	10cu	3cu-s	8cu	7.0	E2	W2	S1	«	5.6	c	«	c	
29	65.9	64.7	65.0	65.20	19.8	13.3		16.1	19.7	16.3	17.37	11.9	15.6	12.7	8.2	10.7	9.0	9.30	60	62	66	62.7	1cu	3s	4s	2.7	0	E1	SW1	«	8.2	b	«	b	
30	63.4	61.8	61.0	62.07	22.6	13.7		16.3	21.3	18.8	18.80	14.1	16.1	15.6	10.6	10.5	11.1	10.73	78	55	68	67.0	2cu	9cu	3cu	4.7	S1	0	S1	«	5.0	«	c	«	
31	62.0	60.6	60.3	60.97	18.0	14.6		16.3	17.4	16.1	16.60	15.2	15.9	15.4	12.0	12.4	12.6	12.33	88	84	94	88.7	8cu	10cu	10cu	9.3	0	E2	0	«	0.2	c	«	c	
																														Total	109.3				
M	763.94	763.10	763.68	763.57	15.75	9.71		11.95	14.78	12.58	13.11				7.47	8.19	7.81	7.82	71.42	65.29	71.61	69.44	6.55	6.52	4.65	5.90				Mean	3.5				

			Jan.
Barometer	Maximum	770.4 on	25
"	Minimum	751.2 on	9
Thermometer	Maximum	22.6 on	30
"	Minimum	6.7 on	21
Lowest	on Grass	on	
Rainfall	Maximum	45.4 on	4

No. of days with:

rain 14....

thunderstorms.....

.....

gale 1....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	5	—	3	11	14	6	—	—	4	43
2½ P. M	15	3	8	—	10	13	9	—	3	61
8½ P. M	—	4	2	1	24	12	3	—	3	49
Totals	20	7	13	12	48	31	12	—	10	153

Height of Barometer above sea level 33.7 meters

" " Thermometers above ground :

Dry and wet 1.55 meters; Max. 1.75; Min. 1.70 meters

Height of Rim of Rain Gauge:

Above ground 0.56 meters; above sea level 30.31 meters

RAINFALL IN SYRIA

Station	*Oct.* in.	*Nov.* in.	*Dec.* in.	*Jan.* in.	*Observer*	
Sidon	- -	4.02	9.76	9.13	S.D.Jessup	Gerard Institute
Ras Beirut	5.67	3.14	10.88	8.39	Z.M.Haikel	S.P. College
Beirut	4.79	4.04	10.85	10.59	Miss Black	Beit Black
Asfuriyeh	1.41	2.61	9.25	9.01	Th. Waldmeier	Hospital
Ainab	2.34	4.40	10.85	11.69	Dr. Van Dyck	Broomielaw
Suk-ul-Gharb	2.71	3.50	11.72	12.49	Wm. Freidinger	Boys High School
Aleih	2.93	4.00	12.81	12.48	J.K.Maasri	American Quarter
Shweir	1.76	4.33	10.44	11.86	J.Somerville	Boys High School
Zahleh	— —	— —	— —	8.25	Amin Abbud	Boys School
Saad-Neil	0.70	— —	— —	5.87	B. Berloty	Observ. de Ksara
Homs	0.46	1.35	3.35	2.88	H. A. Faris	S. P. Institution
Damascus	0.62	1.40	4.65	1.56	Dr. MacKinnon	Victoria Hospital
Karytain	— —	1.43	0.97	1.23	Suleiman Jebbur	Danish Mission
Tiberias	1.64	1.71	7.10	3.57	E. K. Bishooty	Scotch Hospital

RAINFALL IN SYRIA IN JANUARY 1912.

Jan.	Sidon	Ras Beirut	Beirut	Asfuriyeh	Ainab	Suk-ul-Gha.	Aleih	Shweir	Zahleh	Ksara	Homs	Damascus	Tiberius
1	0.43	0.58	1.12	1.28	0.98	0.70	0.91	1.80		0.08		0.05	0.30
2	0.19		0.09	0.39	0.19		}	0.75		0.09		0.02	
3	0.43	1.15	0.75	1.30	0.44	0.98	}0.89	1.05	1.01	0.74	0.03	0.19	
4	1.99	1.78	1.45	1.45	1.54	2.54	1.87	1.73	2.34	1.56	0.35	0.49	
5	0.20	0.40	2.18	0.38	2.55	1.57	}	0.42	0.35	0.14	0.21		1.04
6	0.22	0.15	0.13		0.25	0.17	}1.85		0.01				0.04
7	0.04		0.04		0.04								0.18
9		0.68		1.65		1.23	}	1.62	1.65	1.38		0.35	
10	1.84	0.56	1.60		2.54	1.39	}2.58			0.11	0.29	0.03	1.18
11													0.04
12				0.38					0.21	0.02			
13	0.49	0.74	0.51	0.51	0.25	1.04	0.85	1.63	0.86	0.37		0.02	
14	0.88	0.22	0.41	0.12	0.81	0.32	0.59	0.30	0.26	0.26			0.11
15	0.19	0.07	0.22		0.13	0.03	0.32				0.54		
16			0.01										
17				0.12			0.64	0.15					
18	0.44	0.98	0.07	1.11	0.17	0.82	1.75	1.87	1.41	0.98			
19	1.14	0.46	1.45		1.51	1.32				0.09	1.46	0.41	
23		0.42		0.32		0.38	}	0.39	0.15	0.05			0.50
24	0.58	0.20	0.55		0.29		}0.32	0.15					0.03
25	0.07												0.15
28			0.01										
Total inches	9.13	8.39	10.59	9.01	11.69	12.49	12.48	11.86	8.25	5.87	2.88	1.56	3.57

February 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 2 1-2; 8 1-2;

Date	Barometer reduced to 0° C, Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of vapour Millimeters				Relative Moisture per cent.				Clouds. Clear — 0 Overcast — 10				Direction and force of Wind 0 — 10			Sea	Bright Sunshine	Condition Weather Symbols			Further Daily Notes
	8½	2½	8½	mean	max.	min.	min. on grass.	8½	2½	8½	mean	8½	2½	8½	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½		hrs.	8½	2½	8½	
1	756.5	753.5	754.8	745.93	22.7	15.4	11.7	17.6	21.6	15.9	18.37	15.6	16.3	15.1	11.9	10.5	12.2	11.53	7[illegible]	54	91	7.74	10cu	10cu	10n	10.0	W2	SW3	S3	calm	3.6	0	0	r	
2	56.3	59.4	62.0	59.23	16.7	10.9	10.8	14.3	14.3	15.6	14.73	12.8	12.8	12.7	10.0	10.1	9.3	9.80	8[illegible]	83	71	78.7	10n	9n	10n	9.7	SW4	W4	SW4	v.slight	1.4	r	r	r	
3	65.5	65.6	66.3	65.80	17.6	14.6	8.4	13.9	17.6	14.5	15.33	11.7	12.8	12.5	9.0	8.5	9.6	9.03	7[illegible]	56	78	70.0	8cu	10cu	9cu	9.0	0	SW3	0	calm	2.9	c	0	c	
4	65.7	64.6	64.9	65.07	17.2	11.2	8.3	13.7	15.9	15.6	15.40	10.9	12.8	12.9	8.3	8.7	9.5	8.87	7[illegible]	61	72	67.7	7cu	8cu	10cu	8.3	S1	NE1	NE3	«	4.0	bc	c	0	
5	65.0	64.5	64.5	64.67	18.9	12.1	7.9	14.5	17.7	15.1	15.77	12.9	15.6	12.8	10.2	11.7	9.7	10.53	8[illegible]	77	76	78.3	0	3s	3cu	2.0	0	E1	0	«	8.5	b	b	b	
6	61.8	63.5	63.0	62.77	20.2	12.7	8.3	14.8	19.6	15.6	16.67	10.7	14.3	14.7	7.6	9.2	11.8	9.53	6[illegible]	54	89	67.7	10cu	9cu-s	3cu	7.3	S1	S1	SE1	«	2.4	0	c	b	Dew at night
7	62.0	61.2	61.7	61.63	22.0	13.8	8.6	15.6	19.3	15.6	16.83	11.9	16.9	15.1	8.5	12.7	12.4	11.20	6[illegible]	76	94	78.0	9cu-s	8cu-ci	2cu	6.3	0	NE1	S1	«	5.8	c	«	«	» » »
8	62.7	61.4	60.9	61.67	18.9	11.1	6.7	16.5	18.8	18.2	17.83	14.6	16.1	14.4	11.2	11.8	10.0	11.00	8[illegible]	73	64	72.3	0	0	0	0.0	0	NE1	S2	«	9.1	b	b	«	» » »
9	61.1	60.5	61.3	60.97	17.9	13.2	9.4	15.1	17.7	14.9	15.90	14.8	15.9	14.3	12.4	12.3	12.1	12.27	9[illegible]	81	95	91.0	10cu	3ci	3cu	5.3	S1	W2	0	«	7.7	e	«	«	≈ in the morning
10	63.8	62.9	63.7	63.47	18.3	12.2	8.9	14.4	18.3	14.7	15.80	13.7	16.2	13.9	11.3	12.4	11.4	11.70	9[illegible]	79	91	87.7	9cu	4cu	2cu	5.0	S1	W2	0	«	6.4	c	«	«	
11	65.6	63.5	63.8	64.30	18.3	12.5	0.5	15.1	18.1	15.4	16.20	14.2	16.1	14.7	11.6	12.3	12.1	12.00	9[illegible]	80	93	88.0	10cu	9cu	7cu	8.7	0	SW3	W1	«	0.3	0	c	bc	
12	62.7	61.2	60.1	61.33	19.4	14.4	12.6	16.3	19.3	17.2	17.60	13.8	16.0	14.7	10.3	11.5	10.9	10.90	7[illegible]	69	75	73.3	10cu	10cu	9cu	9.7	0	W1	0	«	0.0	0	0	c	
13	56.3	53.8	54.5	54.87	17.7	15.0	11.7	17.2	15.1	15.6	15.97	14.4	14.9	12.7	10.5	12.6	9.3	10.80	7[illegible]	98	70	80.0	10n	10n	4cu	8.0	SW3	SW4	SW6	v.slight	1.0	r	r	r	
14	57.9	58.6	59.3	58.60	17.2	12.8	10.7	15.5	17.1	13.3	15.30	10.2	11.4	10.1	6.8	7.3	7.7	7.27	5[illegible]	50	66	56.0	2cu	8ci	1cu	3.7	NW4	W3	NE1	«	6.8	b	c	b	
15	55.5	54.4	55.9	55.27	19.9	10.7	8.9	15.1	17.8	15.4	16.16	9.4	13.3	13.3	6.2	8.8	10.1	8.37	4[illegible]	59	77	61.7	10cu-s	10cu	10n	10.0	0	SW4	W2	«	1.0	c	0	r	● few drops during the day
16	57.5	57.6	58.1	57.75	16.4	11.8	11.2	13.2	15.6	14.5	14.43	12.2	13.9	13.0	10.0	10.8	10.3	10.37	8[illegible]	82	82	84.0	10cu-n	10cu-n	8cu-n	9.3	S2	SW3	W2	calm	0.9	r	r	«	
17	55.0	56.1	57.7	56.60	14.8	8.9	8.9	10.5	14.3	13.9	12.90	9.6	12.3	10.1	8.5	9.5	7.2	8.40	8[illegible]	78	61	76.0	10n	10n	6cu-n	8.7	E2	SW3	W4	«	0.0	«	«	«	Strong wind at night
18	57.4	56.7	57.2	57.10	12.8	8.8	2.0	9.6	9.8	9.9	9.77	9.0	8.3	8.2	8.2	7.4	7.8	7.63	[illegible]	82	81	85.3	10n	10n	9n	9.7	S1	SE2	NE1	«	0.0	«	«	«	
19	59.0	60.3	63.0	60.77	14.2	8.4	7.8	11.0	13.7	10.9	11.87	9.8	11.1	9.8	8.4	8.4	8.5	8.43	8[illegible]	71	87	81.3	10cu	9cu	9n	9.7	0	SW3	E1	«	0.8	0	0	«	
20	66.8	68.2	69.5	68.17	16.1	8.4	7.8	12.7	15.2	12.7	13.53	10.3	11.9	10.3	8.0	8.5	8.0	8.17	7[illegible]	66	73	71.0	2cu	9cu-n	10cu	7.0	0	0	0	«	4.2	bc	r	0	● few drops at 2 1/2 PM
21	70.4	69.9	69.8	70.03	16.2	8.9	7.3	13.8	15.6	13.9	14.43	11.6	12.7	12.1	8.8	9.3	9.4	9.17	7[illegible]	71	79	75.0	10cu	10cu	9cu	9.7	S2	W2	0	«	0.0	0	0	«	
22	69.0	67.4	67.0	67.80	16.7	10.8	8.9	14.1	16.6	13.4	14.70	11.6	13.4	11.7	8.7	9.6	9.3	9.20	7[illegible]	69	81	74.0	10cu	8cu	1cu	6.3	0	SW2	0	«	4.1	0	c	b	
23	65.8	64.0	64.0	64.60	16.8	10.6	10.1	13.2	16.9	13.4	14.50	10.7	14.0	12.1	8.2	10.2	9.7	9.37	7[illegible]	71	84	75.7	1cu	2cu-s	7cu	3.3	0	W1	0	«	8.6	b	bc	c	Dew at night
24	62.3	60.7	60.5	61.17	16.7	10.6	9.2	13.4	16.5	14.8	14.90	11.9	13.3	12.3	9.5	9.5	9.2	9.40	8[illegible]	68	73	74.7	1cu	0	1cu	0.7	W1	N1	NE2	«	9.2	«	b	b	» » »
25	61.3	61.2	61.6	61.37	16.9	11.1	7.4	13.2	16.1	12.6	13.97	11.1	13.9	11.6	8.7	10.5	9.6	9.60	7[illegible]	77	88	80.3	8cu	8cu	9cu	8.3	S3	S1	S1	«	3.2	c	c	0	
26	60.8	60.8	62.6	61.43	16.1	11.8	10.0	14.1	14.1	14.2	14.13	12.1	12.1	12.7	9.3	9.3	10.1	9.57	7[illegible]	78	83	79.7	9cu	10n	10n	9.7	S1	W2	S1	«	0.9	0	r	r	
27	64.4	64.2	65.1	64.57	17.7	11.2	9.7	14.3	17.4	13.9	15.20	11.6	14.8	12.7	8.7	10.9	10.2	9.93	7[illegible]	73	85	76.7	1cu	1cu	7cu	3.0	0	SW2	S1	«	8.5	b	b	c	
28	64.4	63.8	64.4	64.20	17.5	11.4	8.7	15.4	17.6	15.8	16.27	12.2	14.7	13.5	8.8	9.9	10.1	9.60	6[illegible]	66	76	70.0	0	1cu	0	0.3	0	NW2	NE3	«	9.1	«	«	b	
29	65.4	64.3	64.5	64.73	17.8	11.5	8.3	15.0	17.7	13.8	15.50	11.7	14.4	12.3	8.4	10.3	9.8	9.50	6[illegible]	67	83	72.0	0	1cu	2cu	1.0	0	NW2	S1	«	9.5	«	«	cb	Dew at night
30																																			
31																																			
M	762.03	761.51	762.43	761.89	17.57	11.51	8.99	14.24	16.77	14.49	15.17				9.24	10.16	9.89	9.76	[illegible].4	71.3	79.9	75.88	6.79	6.90	5.90	6.53				Total	121.5				
																														Mean	4.20				

Barometer	Maximum	770.4 on 21
„	Minimum	753.5 on 1
Thermometer	Maximum	22.7 on 1
„	Minimum	8.4 on 19.20
Lowest	on Grass	2.0 on 18
Rainfall	Maximum	28.7 on 16

No. of days with:

rain	12....
thunderstorms	1....
fog	1....
gale	.....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	—	—	2	—	13	7	3	4	14	43
2½ P. M	1	4	1	2	2	30	17	4	1	62
8½ P. M	—	10	1	1	10	10	9	—	9	50
Totals	1	14	4	3	25	47	29	8	24	155

Height of Barometer above sea level 33.7 meters

„ „ Thermometers above ground:

Dry and wet 1.55 meters; Max. 1.75; Min. 1.70 meters

Height of Rim of Rain Gauge:

Above ground 0.56 meters; above sea level 30.31 meters

RAINFALL IN SYRIA

Station	*Oct.* in.	*Nov.* in.	*Dec.* in.	*Jan.* in.	*Feb.* in.	*Observer*	
Sidon	- -	4.02	9.76	9.13	5.90	S.D.Jessup	Gerard Institute
Ras Beirut	5.67	3.14	10.88	8.39	4.56	Z.M.Haikel	S. P. College
Beirut	4.79	4.04	10.85	10.59	4.63	Miss Black	Beit Black
Asfuriyeh	1.41	2.61	9.25	9.01	5.24	Th. Waldmeier	Hospital
Ainab	2.34	4.40	10.85	11.69	8.66	Dr. Van Dyck	Broomielaw
Suk-ul-Gharb	2.71	3.50	11.72	12.49	8.51	Wm. Freidinger	Boys High School
Aleih	2.93	4.00	12.81	12.48	8.84	J.K.Maasri	American Quarter
Brumana					7.84	T. Saliba	High School
Shweir	1.76	4.33	10.44	11.86	10.11	J.Somerville	Boys High School
Zahleh	--	--	--	8.25	7.26	Amin Abbud	Boys School
Saad-Neil	0.70	--	--	5.87	--	B. Berloty	Observ de Ksara
Homs	0.46	1.35	3.35	2.88	2.26	H. A. Faris	S. P. Instiution
Damascus	0.62	1.40	4.65	1.56	0.86	Dr. MacKinnon	Victoria Hospital
Karytain	--	1.43	0.97	1.23	--	Suleiman Jebbur	Danish Mission
Tiberias	1.64	1.71	7.10	3.57	2.78	E. K. Bishooty	Scotch Hospital

RAINFALL IN SYRIA IN FEBRUARY 1912.

	Sidon	Ras Beirut	Beirut	Asfuriyeh	Ainab	Suk-ul-Gha.	Aleih	Brumana	Shweir	Zahleh	Ksara	Homs	Damascus	Tiberias
1		0.18		0.81		0.35		0.86		0.77				
2	0.44	0.83	0.72	0.61	1.50	1.85	2.33	1.11	2.50	1.22		0.66	0.22	0.05
3	0.72	0.02	0.51		0.54	0.03	0.15							0.25
7												0.13		
10										0.14				
12								0.01				0.59		
13		0.09		0.06			0.13	0.16	0.53	0.83				
14	0.05		0.08		0.26	0.13								0.15
15				0.87					1.29	0.65				
16	0.84	1.13	0.85	1.04	2.08	2.61	2.35	1.00	1.84	0.95		0.21	0.03	
17	1.05	0.61	1.06	0.68	1.18	1.24	1.18	1.40	1.25	1.52		0.11	0.56	
18	1.38	0.75	0.87	0.14	1.04	1.08	1.08	0.90	0.22	0.41		0.25	0.05	1.45
19	0.58	0.06	0.20	0.05	0.76		0.08	0.16	0.32	0.03				0.80
20	0.30	0.02	0.08		0.12	0.12		0.22						
22	0.01													
25	0.13	0.25		0.28		0.28	}	0.40	0.61	0.35		0.15		
26	0.23	0.56	0.26	0.70	0.58	0.71	} 1.16	1.62	1.15	0.39		0.16		0.08
27	0.17	0.05			0.60	0.11	0.38		0.40					
Total inches	5.90	4.56	4.63	5.24	8.66	8.51	8.84	7.84	10.11	7.26		2.26	0.86	2.78

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA.

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

MARCH 1912

LIBRARY
MAY 8 1911
Weather Bureau

ALFRED H. JOY, DIRECTOR.

Imprimerie des Belles Lettres, Khalil Sarkis, Beyrouth.

March 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 2 1-2; 8 1-2;

Date	Barometer reduced to 0° C, Sea level and 45° Latitude 8½	2½	8½	mean	Thermometer Cent. (Corrected) max.	min.	min. on grass.	Dry Bulb Cent. (Corrected) 8½	2½	8½	mean	Wet Bulb Cent. (Corrected) 8½	2½	8½
1	763.9	762.8	762.7	763.13	17.7	11.4	8.4	14.4	17.8	15.1	15.77	12.8	13.9	11.8
2	61.8	62.3	62.7	62.27	15.5	9.9	9.4	11.4	12.6	14.3	12.77	10.5	11.1	9.7
3	65.2	65.7	67.3	66.07	16.1	10.2	6.7	13.6	15.6	11.4	13.53	8.4	9.8	8.2
4	68.5	67.8	68.3	68.20	17.7	10.3	7.2	14.4	17.7	14.9	15.67	16.7	13.5	12.3
5	68.0	66.6	66.6	67.07	17.4	10.5	8.6	14.4	17.2	14.9	15.53	11.3	12.7	12.3
6	65.1	63.7	64.8	64.53	18.2	11.0	8.1	14.4	18.2	15.4	16.00	11.4	14.4	12.9
7	65.7	65.4	66.8	65.97	17.9	11.1	9.4	15.2	17.9	13.8	15.63	12.1	14.0	11.8
8	68.7	67.1	66.2	67.33	17.3	11.3	9.8	15.0	17.6	16.1	16.23	11.2	14.2	14.4
9	64.2	63.4	63.0	63.53	23.3	11.5	10.8	18.7	23.1	17.9	19.90	15.6	13.3	16.7
10	66.0	66.4	67.1	66.50	18.4	14.3	12.9	16.7	16.7	15.7	16.37	14.9	13.9	12.7
11	67.5	67.1	67.8	67.47	17.7	12.1	10.6	16.0	17.9	15.9	16.60	12.8	14.3	12.8
12	69.3	68.3	63.3	68.63	17.8	11.9	9.4	15.7	17.3	16.4	16.47	12.1	14.9	15.4
13	67.8	66.0	65.3	66.37	18.9	12.1	10.8	16.6	18.4	16.6	17.20	13.3	15.6	15.6
14	62.1	59.9	57.5	59.83	28.2	13.2	9.4	21.3	21.3	19.3	20.63	12.4	15.4	14.1
15	55.9	55.4	54.3	55.87	20.1	16.7	10.1	19.6	19.9	16.6	18.40	14.2	16.2	14.7
16	55.7	56.2	57.5	56.47	17.5	11.8	11.3	13.3	16.5	14.5	14.77	11.7	13.0	10.1
17	59.8	60.4	61.3	60.50	16.7	12.4	9.9	15.2	15.8	13.2	14.73	10.8	11.7	10.6
18	59.1	57.6	55.9	57.53	20.6	11.1	7.7	14.7	16.9	17.9	16.51	11.8	14.4	15.3
19	56.4	56.9	58.2	57.17	23.0	12.2	11.8	19.9	22.4	16.6	19.63	15.6	17.2	16.1
20	61.0	61.0	62.4	61.47	19.6	13.4	9.3	17.3	19.3	19.2	18.60	14.9	16.6	15.1
21	64.8	64.5	64.5	64.60	18.9	14.3	12.3	16.8	18.6	15.9	17.10	14.8	14.6	13.4
22	63.9	62.4	62.3	62.87	18.3	12.6	8.5	16.2	17.7	15.9	16.60	13.9	14.4	13.3
23	62.0	61.1	61.5	61.53	19.7	13.3	10.1	16.3	19.4	16.1	17.27	14.3	15.7	13.8
24	61.8	60.9	60.0	61.90	18.7	13.4	11.2	16.8	17.8	16.1	16.90	13.4	13.9	13.1
25	54.9	59.8	61.5	58.73	20.6	13.8	11.1	18.8	19.0	15.4	17.73	15.6	15.0	12.7
26	61.7	60.4	60.3	60.80	19.4	11.8	6.6	16.5	18.0	16.6	17.03	12.1	13.6	13.4
27	58.1	56.6	56.9	57.20	20.2	12.8	11.1	16.6	19.8	15.9	17.43	13.2	14.9	14.0
28	54.0	53.8	55.2	54.33	17.8	12.1	7.4	17.7	15.6	12.2	15.17	13.1	13.1	9.8
29	57.9	59.1	61.2	59.10	18.0	8.8	5.6	11.6	16.9	15.2	14.57	10.2	13.4	12.0
30	64.5	64.3	65.6	64.47	19.1	7.2	7.6	17.6	19.0	14.9	17.17	14.5	15.4	13.0
31	65.3	64.3	64.1	64.57	18.9	12.3	9.4	15.7	18.3	15.8	16.60	14.1	14.4	11.2
M	762.54	762.17	762.55	762.42	19.01	11.97	9.44	16.98	18.04	15.67	16.60			

Date	Elasticity of vapour Millimeters 8½	2½	•8½	mean	Relative Moisture per cent. 8½	2½	8½	mean
1	10.1	9.5	8.5	9.37	89	63	66	70.7
2	8.9	9.0	6.8	8.28	86	82	56	75.7
3	6.0	6.4	6.6	6.33	51	49	65	55.0
4	7.7	9.2	9.2	8.70	62	60	73	65.0
5	8.3	8.6	9.1	8.67	68	59	72	66.3
6	8.4	10.0	9.6	9.33	69	64	73	68.7
7	8.5	9.6	9.1	9.07	69	53	77	79.7
8	7.9	10.1	11.1	9.70	62	68	82	70.7
9	10.4	6.9	13.3	10.20	65	33	87	61.7
10	11.4	10.2	9.3	10.30	81	72	70	74.3
11	9.2	10.1	9.2	9.50	68	65	68	67.0
12	8.5	11.1	12.4	10.67	64	75	89	76.0
13	9.5	11.4	12.5	11.13	68	72	89	76.3
14	6.9	9.8	9.2	8.63	36	51	55	47.3
15	9.1	11.9	11.3	10.77	53	73	80	68.7
16	9.3	9.2	7.0	8.50	81	65	57	67.7
17	7.5	8.1	8.2	7.93	58	60	72	63.3
18	8.8	10.7	11.2	10.23	70	75	74	73.0
19	10.5	11.4	13.3	11.73	60	56	95	70.3
20	11.1	12.2	10.4	11.23	75	73	63	70.3
21	6.1	10.0	10.0	8.70	78	63	74	71.7
22	10.4	10.3	9.9	10.20	76	57	73	72.0
23	10.9	11.3	10.3	10.73	79	66	77	74.0
24	9.5	9.5	9.9	9.63	67	53	73	67.7
25	11.1	10.3	9.3	10.23	68	63	71	67.3
26	8.2	9.1	9.6	8.97	58	59	58	61.7
27	9.3	9.8	10.7	9.93	60	57	79	67.3
28	8.7	10.1	7.7	8.83	57	77	73	69.0
29	8.5	9.5	8.7	8.90	84	66	67	72.3
30	10.4	10.8	11.2	10.80	83	66	89	74.7
31	11.0	10.0	11.0	10.67	83	63	83	76.3
M	9.10	9.86	9.86	9.61	68	60	64.13	73.87	68.76

Date	Clouds. Clear — 0 Overcast — 10 8½	2½	8½	mean	Direction and force of Wind 0 — 10 8½	2½	8½	Sea	Bright Sunshine hrs.	Condition Weather Symbols 8½	2½	8½	Further Daily Notes
1	9cu	4cu	7cu	6.7	S2	SW3	SW3	calm	4.8	r	be	c	
2	10n	10n	10n	10.0	SE1	S1	SW1	"	1.5	r	r	r	
3	1cu	0	0	0.3	NW1	SW3	SE1	"	9.8	b	b	b	
4	1cu	8cu	9cu	6.0	S1	W2	0	"	6.2	b	c	0	
5	1cu	1cu	10cu	4.0	0	N2	0	"	7.5	b	b	0	
6	5cu	2cu	5cu	4.0	S1	SW2	W1	"	6.4	c	b	c	
7	9cu	8cu	1cu	4.3	S1	W2	0	"	6.1	0	be	b	
8	0	0	0	0.0	SE1	NE2	NE1	"	8.8	b	b	b	
9	0	0	0	0.0	SE1	SE1	W2	"	8.5	b	b	b	Dew at night
10	5cu	10cu	9cu	8.0	W2	NW2	W2	"	2.0	c	0	0	" " "
11	9cu	1cu	0	3.3	S1	NE3	NE1	"	7.2	0	b	b	
12	0	0	0	0.0	0	NE1	NE3	"	8.8	b	b	b	
13	1s	4s	1s	2.0	0	NE2	NE1	"	7.9	b	be	b	Dew at night
14	0	5cuci	3cu	2.7	SE3	NE2	NE2	"	4.1	b	c	be	
15	6cu	10cu	8cu	8.0	SW3	SW5	SW4	v.slight	4.9	c	0	c	" " "
16	9n	9n	4cu-n	7.3	S2	S3	SW5	"	2.4	r	r	r	Hail A. M.
17	2cu	9cu	8cu	8.7	SW4	SW4	S1	"	0.5	0	0	c	
18	10cu	10n	10n	10.0	NE1	NE1	NE1	calm	0.0	0	r	r	• few drops
19	2cu	5cu	0	2.3	NW1	SW2	0	"	3.5	be	c	b	
20	0	1cu	0	0.3	E2	SW3	SW3	"	7.7	b	b	b	Dew in the evening
21	8cu	6cu	10cu	8.0	SW2	SW2	SW1	"	2.7	c	c	0	
22	10cu	7cu	10cu	9.0	SW1	N1	W1	"	1.5	c	0	0	
23	10cu	1cu	4cu	5.0	S1	SW3	SW2	"	8.1	0	b	be	
24	1cu	7cu	6cu	4.7	S1	W1	N2	"	2.9	b	c	c	
25	7cu	6cu	1cu	4.7	SW3	W1	E1	"	2.9	c	c	b	
26	10cu s	10cu	9cu-s	9.7	0	N5	N5	"	3.8	0	0	0	
27	10n	3cu	6cu	6.3	S1	SW3	S2	"	2.0	r	be	c	
28	10cu	10n	10n	10.0	SW1	SW3	SW7	slight	0.0	0	r	r	Strong wind at 8 1/2 PM.
29	10n	8cu-n	7cu	8.3	W5	SW1	SW3	"	2.3	r	r	c	Hail A. M.
30	8cu	1cu	0	3.0	S1	SW2	0	calm	8.1	c	b	b	
31	0	9cu	3cu	5.0	0	N1	N2	"	5.7	c	0	be	Heavy dew
M	5.61	5.25	4.87	5.25				Total	149.6				
								Mean	4.83				

			Mch.
Barometer	Maximum	769.3	on 12
"	Minimum	753.8	on 28
Thermometer	Maximum	28.2	on 14
"	Minimum	7.2	on 30
Lowest	on Grass	5.6	on 29
Rainfall	Maximum	28.0	on 28

No. of days with:

rain 9....

thunderstorms 1....

fog 0....

gale 1....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	—	3	2	6	13	15	7	2	5	53
2½ P. M	8	14	—	1	4	36	9	2	—	74
8½ P. M	9	15	1	1	3	29	6	—	5	69
Totals	17	32	3	8	20	80	22	4	10	196

Height of Barometer above sea level 337 meters.

" " Thermometers above ground:

Dry and wet 1.55 meters; Max. 1.75; Min. 1.70 meters

Height of Rim of Rain Gauge:

Above ground 0.56 meters; above sea level 30.31 meters

RAINFALL IN SYRIA

Station	Oct. in.	Nov. in.	Dec. in.	Jan. in.	Feb. in.	Mch. in.	Total in.	Observer	
Sidon	- -	4.02	9.76	9.13	5.90	1.42	– –	S.D.Jessup	Gerard Institute
Râs Beirût	5.67	3.14	10.88	8.39	4.56	2.09	34.73	Z.M.Haikel	S. P. College
Beirût	4.79	4.04	10.85	10.59	4.63	2.89	37.79	Miss Black	Beit Black
'Asfûrîyeh'	1.41	2.61	9.25	9.01	5.24	3.82	31.34	Th. Waldmeier	Hospital
'Ainâb	2.34	4.40	10.85	11.69	8.66	3.51	41.45	Dr. Van Dyck	Broomielaw
Sûḳ-ul-Gharb	2.71	3.50	11.72	12.49	8.51	3.95	42.88	Wm. Freidinger	Boys High School
'Aleih	2.93	4.00	12.81	12.48	8.84	4.12	45.18	J.K. Ma 'âṣiri	American Quarter
Brummâna					7.84	3.58	– –	T. Salîba	High School
Shweir	1.76	4.33	10.44	11.86	10.11			J.Somerville	Boys High School
Zaḥleh	– –	– –	– –	3.25	7.26	4.05	– –	Amin'Abbûd	Boys School
Sa'dnâyil	0.70	– –	– –	5.87	6.02	2.87	26.69	B. Berloty	Observ de Ksara
Ḥumṣ	0.46	1.35	3.35	2.88	2.25	1.76	12.05	H. A. Fâris	S. P. Institution
Damascus	0.62	1.40	4.65	1.56	0.86			Dr.MacKinnon	Victoria Hospital
Ḳaryatein	– –	1.43	0.97	1.23	– –			SuleimanJebbûr	Danish Mission
Tiberias	1.64	1.71	7.10	3.57	2.78	1.21	18.01	E. K. Bishûti	Scotch Hospital

RAINFALL IN SYRIA IN MARCH 1912.

	Sidon	Râs Beirût	Beirût	'Asfûrîyeh	'Ainâb	Sûḳ-ul-Gharb	'Aleih	Brummâna	Shweir	Zaḥleh	Ksara	Ḥumṣ	Damascus	Tiberias
1	0.12	0.02	0.01	0.60						0.86	0.50			
2	0.27	0.48	0.35	0.95	0.69	1.11	1.39	0.67		0.43	0.53	0.05		0.36
3	0.06	0.07	0.45		0.15	0.06	0.09	0.55				0.31		0.25
7		0.01	0.01					0.06						
10						0.08	0.08	0.06						
11					0.09			0.03						
15								0.21						
16		0.12	0.64	1.02		0.84	1.26	0.99		0.89	0.51			
17	0.17		0.10		1.28	0.31				0.04	0.01	0.54		0.25
18										0.01	0.01	0.14		
19										0.55	0.28	0.05		
20				0.03										0.15
21						0.02								
24								0.04			0.01			
25		0.08	0.05	0.06		0.03					0.01			
26								0.03			0.03			
27	0.04	0.01	0.02	0.03	0.06	0.12	}	0.01		0.13	0.09	0.04		
28		1.10		1.04	0.04	0.67	} 0.73	0.78			0.41	0.32		
29	0.67	0.20	1.25	0.09	0.76	0.71	0.57	0.12		1.10	0.48	0.31		0.12
30	0.09		0.01		0.44					0.04				0.08
Total inches	1.42	2.09	2.89	3.82	3.51	3.95	4.12	3.58		4.05	2.87	1.76		1.21

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT SYRIA.

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

APRIL 1912

LIBRARY
JUN 8 1912
Weather Bureau

ALFRED H. JOY, DIRECTOR.

Imprimerie des Belles Lettres, Khalil Sarkis, Beyrouth.

April 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 2 1-2; 8 1-2.

Date	Barometer reduced to 0° C, Sea level and 45° Latitude 8½	2½	8½	mean	Thermometer Cent. (Corrected) max.	min.	min. on grass.	Dry Bulb Cent. (Corrected) 8½	2½	8½	mean	Wet Bulb Cent. (Corrected) 8½	2½	8½
1	764.9	764.8	765.1	764.93	18.8	12.2	8.8	17.3	18.7	15.8	17.27	14.4	14.9	14.0
2	64.2	64.4	63.7	64.10	19.3	12.5	11.7	16.7	18.4	17.2	17.43	14.4	15.9	16.2
3	61.2	60.2	59.8	60.40	22.7	14.7	10.7	18.8	21.6	17.8	19.40	16.7	18.5	16.0
4	59.9	58.9	59.5	59.43	24.3	15.6	10.7	21.0	23.4	19.3	21.23	17.5	19.9	18.3
5	61.1	61.4	61.9	61.47	19.8	15.9	13.7	18.7	19.9	16.6	18.40	16.6	16.4	13.4
6	60.0	59.7	60.7	60.13	17.7	14.4	12.3	16.3	17.3	15.0	16.20	13.3	13.2	11.7
7	61.5	62.2	62.8	62.17	18.6	12.7	9.9	16.6	18.2	15.3	16.70	12.7	13.7	12.2
8	62.9	62.5	62.6	62.67	19.4	12.1	7.8	16.6	19.1	15.6	17.10	13.2	15.4	13.7
9	62.8	63.4	63.3	63.17	19.7	12.8	9.4	17.7	19.6	17.1	18.13	14.7	16.1	15.6
10	62.2	61.3	57.5	60.46	23.9	14.8	10.6	18.7	19.2	23.9	20.60	16.4	16.9	14.2
11	56.6	59.3	62.4	59.43	26.9	17.2	14.2	22.9	21.9	17.6	20.80	16.1	18.4	15.6
12	65.3	65.2	65.0	65.17	19.8	15.6	13.6	17.7	19.9	16.1	17.90	12.7	14.4	12.8
13	64.6	62.9	63.0	63.50	19.5	12.8	9.4	18.2	19.3	17.4	18.30	14.3	15.0	15.7
14	63.6	63.0	62.8	63.13	21.4	15.8	12.9	18.9	20.4	18.8	19.37	16.7	18.2	16.9
15	61.9	60.5	59.7	60.70	28.1	17.2	14.6	21.1	27.4	19.9	22.80	18.3	20.5	18.9
16	58.8	57.9	57.2	57.97	30.3	19.4	15.3	26.4	30.2	2.7	26.43	19.3	19.9	18.3
17	56.0	55.5	55.9	55.80	29.7	22.1	16.3	27.1	29.5	26.0	27.53	19.9	19.9	17.8
18	59.7	60.0	60.2	59.97	22.2	18.1	16.7	20.7	21.8	18.3	20.27	18.7	18.8	17.8
19	61.1	60.5	59.6	60.40	21.8	17.2	15.1	19.1	21.9	19.4	20.13	17.8	19.3	18.5
20	61.0	59.8	59.0	59.93	22.8	17.6	18.3	20.4	22.7	19.9	21.00	18.9	19.9	19.4
21	58.9	57.9	57.8	58.20	23.0	17.3	13.5	20.7	22.9	19.3	20.97	19.2	20.2	17.9
22	56.6	54.7	54.4	55.23	25.1	16.9	12.6	21.5	23.3	21.4	22.07	17.8	19.9	19.4
23	53.5	56.0	57.3	55.60	22.2	17.8	13.9	20.8	20.1	18.4	19.70	19.1	17.2	15.4
24	56.9	56.2	57.4	56.83	18.8	14.6	12.7	16.9	15.4	19.3	17.20	13.7	13.9	12.7
25	58.0	58.0	57.2	57.73	19.0	13.1	11.8	17.1	18.3	16.1	17.17	13.7	14.0	12.8
26	53.3	54.0	55.3	53.20	18.4	13.4	11.1	15.9	17.8	16.0	16.57	13.3	14.4	13.2
27	56.8	57.2	58.2	57.40	18.6	14.1	11.6	16.9	17.9	16.5	17.10	12.0	13.9	12.8
28	60.2	61.6	63.4	61.73	19.9	14.2	11.0	18.3	19.8	15.2	17.77	12.7	14.4	11.5
29	64.1	63.5	62.4	63.33	20.3	12.1	8.4	18.3	20.3	17.9	18.83	12.4	14.2	14.0
30	58.3	56.6	55.5	56.80	26.9	14.4	10.6	20.5	25.3	25.9	23.90	17.9	18.2	14.7
31														
M	760.20	759.87	760.03	760.03	22.0	15.3	12.4	19.3	21.1	18.5	19.61			

Date	Elasticity of vapour Millimeters 8½	2½	8½	mean	Relative Moisture per cent. 8½	2½	8½	mean	Clouds. Clear — 0 Overcast — 10 8½	2½	8½	mean	Direction and force of Wind 0 — 10 8½	2½	8½	Sea	Bright Sunshine hrs.	Condition Weather Symbols 8½	2½	8½	Further Daily
1	10.5	10.4	10.8	10.57	71	66	81	72.7	3cu	3cu	7cu-s	4.3	NE1	N1	N1	calm	6.3	bc	bc	c	
2	10.8	11.9	13.0	11.90	76	76	90	80.7	0	1cu-ci	5cu	2.0	SW1	NE3	NE2	«	2.3	b	b	bc	
3	12.8	13.7	12.3	12.93	80	72	81	77.7	0	0	0	0.0	NE1	NW1	0	«	8.4	b	b	b	Dew
4	12.6	14.9	14.9	14.13	69	70	89	76.0	0	0	0	0.0	0	NE1	SW1	«	8.4	b	b	b	≡ at 9.30 A.M.
5	12.7	11.6	9.6	11.30	80	68	68	72.0	5cu-s	8cu-s	8cu	7.0	SW2	SW3	W2	v. slight	3.1	c	c	c	
6	9.6	9.0	8.4	9.00	70	61	66	65.7	10n	8cu	6cu	8.0	S3	SW4	S2	slight	0.7	r	c	c	Dew
7	8.7	9.2	8.8	8.90	62	59	68	63.0	4cu	7s	0	3.7	W2	SW3	SW2	v. «	6.0	bc	c	b	
8	9.3	10.8	10.4	10.17	66	65	80	70.3	0	8cu	4cu	4.0	W1	SW3	0	calm	5.2	b	c	bc	
9	10.6	9.1	12.2	10.63	70	38	84	64.0	0	1cu	0	0.3	NE2	N1	NE3	«	8.5	b	b	b	
10	12.3	12.8	7.5	10.87	77	78	33	62.7	1cu	10cu	10cu	7.0	0	NE3	0	«	0.4	b	0	0	Dew
11	9.9	13.4	11.9	11.73	47	68	79	61.7	10cu	8cu-ci	3cu	7.0	S1	S1	SW3	v. slight	2.3	0	c	bc	● very few drops
12	8.3	9.2	9.2	8.90	55	52	68	58.3	1cu	1cu	0	3.3	SW2	NW1	N1	calm	5.5	0	b	b	
13	9.9	10.2	12.1	10.73	63	61	81	68.3	1cu	0	3cu	1.3	NE1	N2	N1	«	6.1	b	b	bc	
14	12.6	14.0	13.0	13.20	78	78	80	78.7	0	4cu	1cu	1.7	NE3	NE2	N4	v. slight	4.9	b	bc	b	
15	13.8	13.4	15.6	14.27	73	49	90	70.7	10cu	8cu	0	6.0	0	SW1	E1	calm	1.3	0	c	b	
16	12.2	11.3	12.8	12.10	47	36	63	48.7	0	3cu	0	1.0	0	0	0	«	6.1	b	bc	b	≡ in the morning
17	12.7	11.7	10.6	11.67	47	38	42	42.3	4cu-ci	1cu	7cu	4.0	E1	E1	0	«	5.9	bc	b	c	
18	14.6	14.1	14.9	14.53	80	72	95	82.3	1cu	0	0	0.3	S3	SW2	0	«	4.7	b	b	b	
19	14.2	14.8	15.2	14.73	86	75	90	83.7	10cu	2cu-ci	3cu	5.0	N1	NE2	NE2	«	2.0	0	bc	bc	heavy dew
20	15.0	15.3	16.4	15.57	84	76	94	84.7	10cu	5cu-s	0	5.0	0	N2	N1	«	4.3	0	bc	b	≡ A. M.
21	15.3	15.5	14.2	15.00	84	75	85	81.3	3cu-s	3cu-s	0	2.0	SW2	N1	W1	«	1.7	bc	bc	b	Dew
22	12.7	14.8	15.3	14.27	66	69	80	71.7	4cu	9cu	8cu	7.0	W1	W1	NW2	«	0.7	bc	0	c	«
23	15.2	12.6	14.2	13.00	85	72	72	76.3	10cu	10cu	10cu	10.0	NW2	SW3	SW2	slight	1.9	0	0	0	
24	9.8	10.8	7.7	9.43	69	83	47	66.3	8cu-n	10n	10n	9.3	SW3	W5	W4	«	2.5	r	r	r	
25	9.7	9.5	9.2	9.47	67	60	68	65.0	10cu	10cu	10cu	10.0	SW3	SW2	S1	v. «	6.4	0	0	0	
26	9.9	10.2	9.7	9.93	74	67	72	71.0	10n	10n	10cu-n	10.0	N3	NE1	SW3	calm	0.0	r	r	r	
27	7.8	9.5	8.9	8.73	54	63	63	60.0	8cu	9n	9cu	8.7	SW5	SW6	SW5	rough	3.0	c	r	c	Gale today
28	8.1	9.3	8.1	8.50	51	54	64	56.3	2cu	1cu	3s	2.0	NW1	NW1	0	calm	9.5	bc	b	b	
29	7.8	8.8	9.6	8.73	49	53	63	54.0	0	0	0	0.0	N1	N1	NE2	«	10.2	b	b	b	
30	13.7	11.4	7.5	10.87	75	47	30	50.7	4cu	9cu	3cu	5.3	W1	E1	SW3	«	3.7	bc	0	bc	● shower P.M.
31																«					
M	11.4	11.8	11.4	11.53	68.3	63.3	72.2	67.99	4.6	5.0	4.0	4.51					125.2 / 4.17				

		April.
Barometer	Maximum	765.3 on 12
"	Minimum	751.0 on 26
Thermometer	Maximum	30.3 on 16
"	Minimum	12.1 on 8,29
Lowest	on Grass	7.8 on 8
Rainfall	Maximum	7.1 on 24

No. of days with:
rain 7....
thunderstorms ....
fog 4....
gale 1....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	5	8	1	—	7	18	5	3	5	52
2½ P. M	8	12	2	—	3	27	6	3	1	62
8½ P. M	8	9	1	—	3	19	7	2	7	56
Totals	21	29	4	—	13	64	18	8	13	170

Height of Barometer above sea level 33.7 meters.

" " Thermometers above ground:

Dry and wet 1.55 meters; Max. 1.75; Min. 1.70 meters

Height of Rim of Rain Gauge:

Above ground 0.56 meters; above sea level 30.31 meters

RAINFALL IN SYRIA

Station	*Oct.* in.	*Nov.* in.	*Dec.* in.	*Jan.* in.	*Feb.* in.	*Mch.* in.	*Apr.* in.	*Total* in	*Observer*	
Sidon	--	4.02	9.76	9.13	5.90	1.42	0.79	--	S. D. Jessup	Gerard Institute
Râs Beirût	5.67	3.14	10.88	8.39	4.56	2.09	0.92	35.65	Z. M. Haikel	S. P. College
Beirût	4.79	4.04	10.85	10.59	4.63	2.89	1.18	38.97	Miss Black	Beit Black
'Asfûrîyeh	1.41	2.61	9.25	9.01	5.24	3.82	2.00	33.34	Th. Waldmeier	Hospital
'Ainâb	2.34	4.40	10.85	11.69	8.66	3.51	2.76	44.21	Dr. Van Dyck	Broomielaw
Sûḳ-ul-Gharb	2.71	3.50	11.72	12.49	8.51	3.95	3.36	46.24	Wm-Freidinger	Boys High School
'Aleih	2.93	4.00	12.81	12.48	8.84	4.12	4.18	49.36	J.K. Ma'âṣiri	American Quarter
Brummâna					7.84	3.58	2.41	--	T. Saliba	High School
Shweir	1.76	4.33	10.44	11.86	10.11	3.06	5.41	46.97	J.Somerville	Boys High School
Zaḥleh	--	--	--	3.25	7.26	4.05	3.67	--	Amin'Abbûd	Boys School
Sa'dnâyil	0.70	--	--	5.87	6.02	2.87	3.53	30.22	B. Berloty	Observ de Ksara
Ḥumṣ	0.46	1.35	3.35	2.88	2.26	1.76			H. A. Fâris	S. P. Institution
Damascus	0.62	1.40	4.65	1.56	0.86	1.06	0.39	10.54	Dr. MacKinnon	Victoria Hospital
Ḳaryatein	--	1.43	0.97	1.23	--				SuleimanJebbûr	Danish Mission
Tiberias	1.64	1.71	7.10	3.57	2.78	1.21	0.00	18.01	E.K.Bishûti	Scotch Hospital

RAINFALL IN SYRIA IN APRIL 1912.

April	Sidon	Râs Beirût	Beirût	'Asfûrîyeh	'Ainâb	Sûḳ-ul-Gharb	'Aleih	Brummâna	Shweir	Zaḥleh	Ksara	Ḥumṣ	Damascus	Tiberias
4								0.30						
6		0.25	0.08	0.22		0.50	} 0.51			0.33	0.28			
7	0.21	0.01			0.45									
17													0.17	
23								0.17	1.58		0.06			
24		0.28	0.20	1.03	0.13	1.06	} 1.40	1.00	1.22	0.21	0.39			
25	0.23	0.18	0.57	0.02	1.02	0.73	0.96	0.05	0.08	0.45	0.07		0.05	
26	0.04	0.07	0.04	0.34	0.08	0.29	0.21	0.46	0.90	0.08	0.57			
27	0.18	0.11	0.10	0.39	0.44	0.53	0.89	0.43	1.63	2.50	2.07		0.17	
28	0.13	0.02	0.19		0.64	0.25	0.30			0.10	0.09			
Total Inches	0.79	0.92	1.18	2.00	2.76	3.36	4.18	2.41	5.41	3.67	3.53		0.39	0.00

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT SYRIA.

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

LIBRARY
JUL 17 1912
Weather Bureau

MAY 1912

ALFRED H. JOY, DIRECTOR.

Imprimerie des Belles Lettres, Khalil Sarkis, Beyrouth

May 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 2 1-2; 8 1-2.

Date	Barometer reduced to 0° C, Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of vapour Millimeters				Relative Moisture per cent.				Clouds. Clear — 0 Overcast — 10				Direction and force of Wind 0 — 10			Sea	Bright Sunshine hrs.	Condition Weather Symbols			Further Daily
	8½	2½	8½	mean	max.	min.	min. on grass.	8½	2½	8½	mean	8½	2½	8½	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½			8½	2½	8½	
1	758.1	759.0	760.3	759.13	21.3	17.8	16.1	19.3	20.7	17.1	19.03	17.1	17.9	14.6	13.0	13.3	10.9	12.40	78	74	75	75.7	10cu	9cu	0	6.3	SW2	SW2	0	calm	4.9	0	0	b	
2	60.1	59.8	60.3	60.07	21.9	14.8	10.2	19.6	21.0	17.6	19.40	16.0	17.3	16.1	11.2	12.2	12.6	12.00	66	67	84	72.3	0	0	0	0.0	W3	SW3	W1	«	8.5	b	b	b	Light dew P. M.
3	59.0	58.6	56.9	58.17	26.3	14.1	9.4	19.3	21.4	19.7	20.13	15.1	17.1	17.3	10.2	11.8	13.1	11.70	61	62	76	66.3	1cu	1ci	10cu	4.0	0	NE1	E2	«	7.5	b	b	0	
4	56.2	57.6	58.7	57.50	21.2	15.7	16.1	20.2	20.1	17.8	19.37	17.8	16.2	14.9	13.4	11.3	10.9	11.87	77	65	72	71.0	9cu	10cu	4cu	7.7	0	SW4	SW1	«	2.1	0	0	bc	● very few drops
5	59.5	61.9	63.1	61.50	21.5	15.6	14.4	18.9	21.6	17.6	19.37	15.6	16.4	14.5	11.1	10.8	10.4	10.77	69	56	70	65.0	8cu	7cu	9cu	8.0	SW2	SW2	SW1	v. slight	5.0	c	c	0	
6	64.9	65.6	65.0	65.17	21.3	15.2	12.6	18.4	20.4	17.4	18.73	15.2	16.1	14.4	10.8	10.9	10.4	10.70	59	61	70	66.7	9cu	9cu	0	6.0	SW2	W1	N1	calm	8.8	0	0	b	● few drops A.M.
7	64.9	64.1	33.3	64.10	20.9	15.2	12.2	19.9	20.9	18.3	19.70	16.4	16.8	16.1	11.6	11.6	12.2	11.80	68	63	78	69.7	4cu	0	0	1.3	NE1	NE2	NE2	«	9.5	bc	b	b	
8	62.2	60.3	59.8	60.77	22.0	16.7	13.9	20.4	21.6	18.7	20.23	16.4	16.7	15.4	11.5	11.2	11.0	11.23	63	57	69	63.0	2cu	1cu	8cu	3.7	NE1	N1	NW1	«	8.9	bc	b	c	
9	57.7	57.4	57.8	57.63	21.3	15.8	13.5	19.3	17.3	17.8	18.13	14.6	15.7	15.6	9.6	12.3	11.7	11.20	58	83	77	72.7	3cu	10n	9n	7.3	S3	S2	S1	slight	3.3	bc	r	r	
10	58.7	59.4	60.0	59.27	21.5	16.1	14.2	18.3	21.5	17.8	19.20	15.6	16.8	15.6	11.4	11.3	11.8	11.50	73	59	78	70.0	8cu-n	3cu	3cu-n	4.7	S3	S2	S1	«	7.8	r	bc	b	● few drops today
11	60.1	59.9	62.4	60.80	20.0	14.4	10.4	18.3	17.7	15.2	17.07	15.1	14.6	13.9	10.8	10.4	11.0	10.73	69	68	86	74.3	10cu	10n	10n	10.0	S1	S2	S1	slight	0.1	0	r	r	
12	63.2	62.5	61.6	62.43	20.7	14.1	11.8	18.7	19.8	16.5	18.33	16.5	16.2	13.2	12.5	11.4	9.4	11.10	74	66	67	70.3	8cu	6cu	3cu	5.7	S2	SW3	S1	calm	6.5	c	c	bc	
13	60.2	58.5	59.3	59.33	20.9	13.9	11.7	12.4	20.8	16.3	16.50	11.9	15.7	13.8	10.1	10.2	10.2	10.17	94	55	76	74.3	10n	3cu-s	5cu	6.0	SE1	SW2	0	«	4.9	r	bc	bc	
14	60.6	60.9	61.9	61.13	21.6	11.5	9.0	18.3	21.6	18.3	19.40	14.6	16.9	16.1	10.1	11.5	12.2	11.27	69	60	78	67.3	1cu	0	0	0.3	W1	SE1	S4	«	9.0	b	b	b	
15	62.8	62.9	64.0	63.23	22.2	15.9	12.9	20.1	22.1	18.2	20.13	16.8	18.5	16.1	12.0	13.4	12.3	12.57	68	67	79	71.3	0	0	0	0.0	SW3	SW3	S1	v. slight	8.7	b	b	b	
16	64.5	64.0	63.0	63.83	22.8	16.2	13.1	21.0	22.6	19.9	21.17	18.1	18.9	18.3	13.4	13.7	14.5	13.87	78	67	83	74.3	0	0	0	0.0	E1	NE1	NE1	calm	9.1	b	b	b	
17	61.1	60.0	59.3	60.13	24.0	18.6	15.7	22.1	23.3	20.6	22.00	19.2	20.6	17.9	14.4	16.0	13.3	14.57	78	75	74	74.0	0	0	0	0.0	N1	NE2	0	«	9.3	b	0	b	Dew
18	58.2	59.2	58.7	58.73	24.0	19.0	16.5	22.7	23.8	20.3	22.27	19.0	20.7	18.3	13.8	15.8	14.2	14.60	66	72	80	73.3	0	5s	0	1.7	NE1	NE2	0	«	5.9	b	bc	b	Dew
19	60.3	59.9	58.6	59.60	24.4	17.9	14.1	20.7	23.3	19.3	21.10	18.5	18.9	17.9	14.2	13.3	14.2	13.90	78	62	85	75.0	2cu	0	0	0.7	S3	W2	0	«	9.1	bc	b	b	«
20	58.5	59.0	59.5	59.00	23.5	17.9	13.9	21.0	23.2	19.0	21.07	17.4	18.3	16.0	12.5	12.5	11.6	12.20	69	60	71	66.3	1cu	1cu	0	0.7	S5	S4	S1	slight	8.7	b	b	b	
21	59.4	58.6	54.8	57.60	23.2	14.4	11.4	20.9	23.1	19.3	21.10	17.6	18.7	16.2	12.8	13.1	11.7	12.53	70	62	79	67.3	8cu	1cu-s	0	3.0	W1	NW1	E1	calm	7.3	c	b	b	
22	60.3	60.5	60.7	60.50	23.9	15.9	12.6	21.1	23.3	19.6	21.33	17.2	17.9	16.7	12.1	12.0	10.5	11.53	63	56	50	57.0	0	0	0	0.0	W1	N1	0	«	9.5	b	b	b	
23	62.3	61.5	60.7	61.50	24.1	17.1	12.7	21.8	23.8	21.1	22.23	15.8	18.3	17.2	10.0	12.2	12.1	11.43	55	56	65	57.3	0	0	0	0.0	W1	NE2	N63	«	9.0	b	b	b	
24	59.6	59.5	59.3	59.47	24.7	19.2	16.6	22.7	24.2	21.1	22.67	18.5	19.9	19.2	13.1	14.4	15.2	14.23	66	64	81	69.7	0	0	0	0.0	NE2	NE2	E1	«	8.6	b	b	b	
25	58.6	58.5	58.2	58.43	25.2	18.8	14.6	22.1	25.2	21.6	22.97	20.4	20.4	20.2	16.6	14.6	16.5	15.90	89	61	86	77.0	0	0	0	0.0	S1	N1	E1	«	8.8	b	b	b	Dew
26	59.7	59.3	59.7	59.57	25.9	18.7	15.1	20.7	27.1	20.6	22.80	19.3	21.3	19.3	15.6	14.9	15.7	15.40	83	55	87	75.7	10cu	0	0	3.3	W	W1	0	«	8.5	m	b	b	Dew
27	59.5	59.1	57.7	58.77	25.8	18.3	14.3	24.3	24.9	23.7	24.30	17.9	21.0	20.3	11.5	15.7	15.3	14.17	55	67	69	62.3	1s	8cu-s	0	3.0	NW	E2	0	«	1.8	b	c	b	
28	56.1	56.8	56.8	56.57	37.1	21.0	17.2	31.4	29.8	24.1	28.43	21.6	22.3	20.2	13.0	14.8	14.9	14.23	30	48	67	51.0	4cu	4cu-s	4cu	4.0	E1	SE1	0	«	5.[illegible]	bc	bc	bc	
29	58.3	59.2	59.5	59.00	24.2	20.1	18.8	22.4	23.9	20.9	22.40	18.7	19.7	18.8	13.5	14.2	14.6	14.10	67	64	78	69.7	0	1cu	0	0.3	SW3	SW3	0	slight	7.3	b	b	b	
30	59.5	59.5	59.1	59.37	25.0	19.3	17.8	23.2	24.7	21.0	22.97	19.6	20.8	19.4	14.1	15.4	15.6	15.03	67	77	84	72.7	0	3cu-ci	1cu	1.3	SW4	S3	S2	«	7.2	b	bc	b	
31	59.8	59.3	58.7	59.27	25.1	18.9	16.7	22.6	24.9	20.4	22.63	19.6	21.3	19.6	14.7	16.2	16.2	15.70	73	70	90	77.3	1cu	9cu	3cu	4.3	S2	S1	0	calm	1.8	b	0	bc	slight dew
M	760.13	760.06	759.96	760.05	23.53	16.71	13.95	20.74	22.57	19.25	20.84				12.41	12.98	12.78	12.72	66	65	73.52	75.90	69.35	3.55	3.26	2.23	3.01					212.8 6.9				

			May
Barometer	Maximum	765.6 on	6
„	Minimum	756.1 on	28
Thermometer	Maximum	37.1 on	28
„	Minimum	11.5 on	14
Lowest	on Grass	9.4 on	3
Rainfall	Maximum	10.7 on	13

No. of dayswith:

rain	5....
thunderstorms	....
fog	....
gale	....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	1	5	2	1	20	16	8	1	2	56
2½ P. M	3	12	2	2	14	22	4	1	—	60
8½ P. M	1	6	5	—	12	2	1	1	11	39
Totals	5	23	9	3	46	40	13	3	13	155

Height of Barometer above sea level 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 meters; Max. 1.75; Min. 1.70meterrs

Height of Rim of Rain Gauge:

Above ground 0.56 meters; above sea level 30.31 metes

RAINFALL IN SYRIA

Station	*Oct.* in.	*Nov.* in.	*Dec.* in.	*Jan.* in.	*Feb.* in.	*Mch.* in.	*Apr.* in.	*May* in.	*Total* in.	*Observer*	
Sidon	--	4.02	9.76	9.13	5.90	1.42	0.79	1.06	32.08	S. D. Jessup	Gerard Institute
Râs Beirût	5.67	3.14	10.88	8.39	4.56	2.09	0.92	1.19	36.84	Z. M. Haikel	S. P. College
Beirût	4.79	4.04	10.85	10.59	4.63	2.89	1.18	1.36	40.33	Miss Black	Beit Black
'Asfûrîyeh	1.41	2.61	9.25	9.01	5.24	3.82	2.00	1.75	35.09	Th. Waldmeier	Hospital
'Ainâb	2.34	4.40	10.85	11.69	8.66	3.51	2.76	2.49	46.70	Dr. Van Dyck	Broomielaw
Sûḳ-ul-Gharb	2.71	3.50	11.72	12.49	8.51	3.95	3.36	2.32	48.56	Wm. Freidinger	Boys High School
'Aleih	2.93	4.00	12.81	12.48	8.84	4.12	4.18	2.30	51.66	J. K. Ma'âṣiri	American Quarter
Brummâna					7.84	3.58	2.41	1.34	--	T. Salîba	High School
Shweir	1.76	4.33	10.44	11.86	10.11	3.06	5.41	1.35	48.32	J. Somerville	Boys High School
Zaḥleh	--	--	--	8.25	7.26	4.05	3.67	0.50	--	Amîn 'Abbûd	Boys School
Sa'dnâyil	0.70	--	--	5.87	6.02	2.87	3.53	0.38	30.62	B. Berloty	Observ de Ksara
Ḥums	0.46	1.35	3.35	2.88	2.26	1.76	2.81	0.17	15.04	H. A. Fâris	S. P. Institution
Damascus	0.62	1.40	4.65	1.56	0.86	1.06	0.39	0.04	10.[illegible]8	Dr. MacKinnon	Victoria Hospital
Ḳaryatein	--	1.43	0.97	1.23	--					Suleiman Jebbûr	Danish Mission
Tiberias	1.64	1.71	7.10	3.57	2.78	1.21	0.00	0.00	18.01	E. K. Bishûti	Scotch Hospital

RAINFALL IN SYRIA IN MAY 1912.

May	Sidon	Râs Beirût	Beirût	'Asfûrîyeh	'Ainâb	Sûḳ-ul-Gharb	'Aleih	Brummâna	Shweir	Zaḥleh	Ksara	Ḥums	Damascus	Tiberias
5		0.10	0.07	0.13		0.09	0.25	0.09		0.03	0.02			
6	0.10		0.06		0.31		0.08	0.11	0.30					
7								0.43	0.32					
9		0.17		0.83		0.05		0.46		0.17	0.17			
10	0.02		0.18		0.24	0.05						0.02		
11		0.36		0.36		1.20	1.08		0.73	0.22	0.14	0.15		
12	0.38	0.14	0.53		1.04	0.05	0.06							
13		0.42	0.59	0.43		0.88	0.76			0.08	0.05			
14	0.56						0.07	0.25						
18			0.02		0.90								0.04	
Total inches	1.06	1.19	1.36	1.75	2.49	2.32	2.30	1.34	1.35	0.50	0.38	0.17	0.04	0.00

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT SYRIA.

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

JUNE 1912

LIBRARY
AUG 21 1912
Weather Bureau

ALFRED H. JOY, DIRECTOR.

Imprimerie des Belles Lettres, Kinah Sarkis, Beyrouth

June 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 2 1-2; 8 1-2.

Date	Barometer reduced to 0° C, Sea level and 45° Latitude 8½	2½	8½	mean	Thermometer Cent. (Corrected) max.	min.	min. on grass.	Dry Bulb Cent. (Corrected) 8½	2½	8½	mean	Wet Bulb Cent. (Corrected) 8½	2½	8½
1	758.0	758.0	756.3	757.53	27.2	17.7	14.4	23.7	25.8	22.1	23.87	20.4	21.5	18.7
2	56.7	56.9	57.8	57.13	28.3	19.9	16.1	24.7	27.1	22.2	24.67	21.1	20.1	20.5
3	59.1	58.6	59.1	58.93	25.5	18.9	16.7	23.3	25.4	21.7	23.47	19.8	21.1	19.7
4	58.5	58.0	57.6	58.03	26.1	18.9	15.8	22.9	25.6	21.7	23.40	20.4	21.9	20.5
5	56.6	56.4	57.3	56.77	26.8	19.4	16.6	23.8	25.7	22.5	24.00	20.8	22.1	20.9
6	57.7	57.0	57.4	57.37	26.5	19.0	16.6	23.2	26.0	22.7	23.97	20.4	21.6	20.7
7	58.1	57.5	56.8	57.47	26.0	20.1	16.8	23.3	25.7	22.6	23.87	20.4	21.6	20.6
8	57.0	56.3	56.2	56.50	26.9	20.4	17.6	23.7	26.6	22.7	24.33	20.7	21.7	20.7
9	55.6	55.9	55.7	55.73	26.7	20.3	17.6	24.2	26.4	22.7	24.43	21.0	21.7	20.8
10	55.6	55.8	55.5	55.63	27.1	19.8	16.7	23.8	26.9	22.9	24.53	21.4	22.7	20.9
11	53.8	54.3	56.1	54.73	28.8	19.9	18.5	26.1	28.8	23.8	26.23	21.6	22.7	21.4
12	57.4	58.1	58.0	57.83	27.5	21.1	18.4	25.0	26.8	23.1	24.97	22.1	22.3	20.9
13	57.8	58.2	58.2	58.07	26.8	20.5	18.1	24.2	26.3	23.2	24.57	20.8	21.7	20.9
14	58.2	57.1	57.4	57.57	27.9	20.7	18.9	25.3	27.7	24.5	25.83	22.1	23.4	23.0
15	56.5	55.8	55.6	55.97	30.2	22.6	19.4	26.0	29.9	25.6	27.17	23.9	24.4	23.8
16	54.6	55.0	55.9	55.17	28.4	23.1	17.8	27.7	28.4	24.3	26.80	23.1	24.2	21.9
17	56.0	56.2	55.8	56.00	27.1	22.2	20.4	25.5	27.2	23.3	25.33	21.3	21.2	20.4
18	56.4	56.8	57.0	56.73	27.4	20.2	16.4	25.2	27.4	23.7	25.43	21.0	21.6	21.1
19	58.3	58.4	57.5	58.07	27.1	20.7	16.6	24.4	26.3	23.2	24.63	20.9	21.6	20.8
20	58.9	56.2	55.8	56.97	27.2	19.9	16.7	24.9	26.4	23.6	24.97	21.2	21.1	20.4
21	56.4	56.8	57.7	56.97	27.5	20.2	16.6	25.5	27.3	23.9	25.57	21.1	22.2	21.6
22	58.6	58.4	58.4	58.47	27.6	20.5	16.8	25.0	27.6	23.7	25.43	22.1	23.2	21.7
23	58.0	57.6	57.2	57.60	27.7	20.4	16.2	25.9	27.1	23.7	25.57	22.7	22.3	21.0
24	56.2	55.4	55.2	55.60	28.7	20.9	18.4	25.3	28.4	24.7	26.13	21.7	23.4	22.2
25	54.6	54.2	54.7	54.50	28.3	22.7	21.1	26.0	28.1	24.4	26.17	21.9	22.8	21.8
26	54.5	55.3	55.9	55.23	28.1	21.7	19.4	26.1	27.8	24.0	25.97	21.9	22.4	20.4
27	56.5	57.1	58.2	57.27	28.1	19.9	16.7	26.6	27.9	24.2	26.23	20.5	22.5	20.5
28	58.7	58.0	58.0	58.23	27.8	20.6	16.9	25.4	27.3	24.1	25.60	21.1	22.2	21.2
29	56.6	55.9	55.3	55.93	28.2	20.7	16.7	25.5	27.7	24.2	25.80	22.2	22.8	21.2
30	55.1	55.5	55.7	55.43	27.7	20.7	17.4	25.9	27.7	23.4	25.67	21.1	21.4	20.1
31														
M	756.87	756.69	756.79	756.78	27.51	20.45	16.51	24.94	27.11	23.41	25.15			

Date	Elasticity of vapour Millimeters 8½	2½	8½	mean	Relative Moisture per cent. 8½	2½	8½	mean	Clouds. Clear — 0 Overcast — 10 8½	2½	8½	mean	Direction and force of Wind 0 — 10 8½	2½	8½	Sea	Height Sunshine hrs.	Condition Weather Symbols 8½	2½	8½	Further Daily
1	15.5	16.0	13.7	15.07	70	64	69	67.7	0	0	2s	0.7	S1	NW1	0	calm	8.5	f	b	bc	
2	15.9	13.0	16.6	15.17	66	49	84	67.3	6cu-ci	0	0	2.0	NE1	SW1	W1	«	10.6	c	"	b	
3	14.7	15.4	15.5	15.20	69	64	80	71.0	6cu-ci	1cu	0	2.3	S1	NW1	0	«	6.3	"	"	"	
4	16.0	16.8	17.0	16.60	77	69	88	78.0	1s	6cu-ci	1s	2.7	W2	SW2	0	«	9.0	b	c	"	dew
5	16.0	17.0	17.2	16.73	72	69	85	75.3	7cu	1cu	0	2.7	W2	W2	0	"	5.0	c	b	"	"
6	15.7	15.9	16.6	16.07	73	63	81	73.0	9cu	0	3cu	4.0	SW1	W1	W1	«	9.0	0	"	bc	"
7	15.6	16.1	16.5	16.07	73	65	81	73.0	8cu	1cu	0	3.0	W1	SW1	0	"	5.8	c	"	b	
8	15.9	15.8	16.6	16.10	72	60	81	71.0	9cu	3cu	0	4.0	NW1	W1	0	«	9.0	0	bc	"	"
9	16.1	15.9	16.8	16.27	71	61	82	71.3	7cu	1cu	0	2.7	W2	W2	0	«	9.1	c	b	"	
10	17.2	17.3	16.9	17.13	78	66	82	75.3	6cu	0	0	2.0	S3	SW2	0	«	7.8	"	"	"	
11	15.9	16.1	17.1	16.37	63	54	78	65.0	0	0	0	0.0	NE2	NW1	W1	«	8.8	b	"	"	
12	15.7	16.6	16.6	16.90	74	62	79	71.7	4cu-s	1cu	1cu	2.0	SW4	SW2	0	v. slight	3.0	bc	"	"	
13	15.7	15.8	16.6	16.03	70	62	78	70.0	0	6cu	0	2.0	SW2	SW2	W1	calm	9.0	b	c	"	
14	17.2	18.0	19.6	18.27	72	64	85	73.7	1cu	0	0	0.3	W1	N1	N1	«	9.2	"	b	"	
15	22.6	18.4	20.4	20.47	81	58	84	74.3	0	0	0	0.0	0	W1	0	«	9.1	"	"	"	
16	17.4	18.9	17.7	18.00	62	66	79	69.0	0	0	2cu	0.7	S1	S3	S1	v. slight	0.0	"	"	bc	
17	15.7	14.6	15.8	15.37	64	54	74	64.0	8cu	0	0	2.7	S2	SW2	0	»	6.1	c	"	b	
18	15.5	15.1	16.6	15.73	64	55	77	65.3	2cu	6cu	3cu	3.7	W1	W2	0	calm	4.0	bc	c	bc	
19	15.8	15.6	16.5	15.97	70	61	78	69.7	3cu	9cu	9cu	7.0	W1	W2	0	«	0.8	"	0	0	
20	15.9	14.8	15.0	15.23	67	57	69	64.3	2cu	9cu	0	3.7	SW1	SW2	SW1	«	4.9	b	"	b	
21	15.4	16.2	17.4	16.33	63	60	79	67.3	9cu	1cu	0	3.3	W1	SW2	0	«	9.1	0	b	"	
22	17.5	17.8	17.8	17.70	74	65	81	73.3	8cu	0	0	2.7	0	SW2	0	«	9.3	c	"	"	
23	17.9	16.3	16.5	16.90	72	60	76	69.3	3cu	1cu	0	1.3	0	SW2	0	«	7.0	bc	"	"	
24	16.6	17.6	18.0	17.40	69	61	77	69.0	0	1cu	1cu	0.7	S3	S3	S3	slight	4.1	b	"	"	
25	16.5	16.6	17.3	16.80	66	58	76	66.7	2cu	0	1cu	1.0	SW2	SW3	SW1	v. s.	8.5	"	"	"	
26	16.4	16.8	15.2	16.13	65	58	68	63.7	1cu	1cu	1cu	1.0	S2	SW3	0	«	2.5	"	"	"	
27	13.8	16.2	15.2	15.07	53	58	68	59.7	1cu	2cu	1cu	1.3	SE	SW3	0	calm	8.8	.	bc	"	
28	15.4	16.0	16.5	15.97	64	60	74	66.0	1cu	1cu	0	0.7	SW1	SW2	0	«	8.8		b	"	
29	17.2	17.0	16.5	16.90	71	60	73	68.0	7cu	3cu	2cu	4.0	W1	SW2	0	«	8.2	c	bc	bc	
30	15.1	14.6	15.0	14.90	61	53	70	61.3	2cu	3cu	1cu	2.0	SW1	SW1	0	«	7.4	bc	"	b	
31																					
M	16.32	16.27	16.69	16.43	69.3	60.53	77.87	69.14	3.77	1.90	0.93	2.21					205.7 6.86				

Barometer Maximum 759.1 on June 3
" Minimum 753.8 on 11
Thermometer Maximum 30.2 on 15
" Minimum 17.7 on 1
Lowest on Grass 14.4 on 1
Rainfall Maximum on

No. of days with:
rain ....
thunderstorms ....
fog 1 ....
gale ....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	—	3	—	1	13	12	12	1	3	45
2½ P. M	1	—	—	—	6	34	11	3	—	55
8½ P. M	1	—	—	—	4	2	4	—	21	32
Totals	2	3	—	1	23	48	27	4	24	132

Height of Barometer above sea level 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 meters; Max. 1.75; Min. 1.70 meters
Height of Rim of Rain Gauge:
Above ground 0.56 meters; above sea level 30.31 metes

RAINFALL IN SYRIA

Station	Oct. in.	Nov. in.	Dec. in.	Jan. in.	Feb. in.	Mch. in.	Apr. in.	May in.	Total in.	Observer	
Sidon	--	4.02	9.76	9.13	5.90	1.42	0.79	1.06	32.08	S. D. Jessup	Gerard Institute
Râs Beirût	5.67	3.14	10.88	8.39	4.56	2.09	0.92	1.19	36.84	Z. M. Haikel	S. P. College
Beirût	4.79	4.04	10.85	10.59	4.63	2.89	1.18	1.36	40.33	Miss Black	Beit Black
'Asfûrîyeh	1.41	2.61	9.25	9.01	5.24	3.82	2.00	1.75	35.09	Th. Waldmeier	Hospital
'Ainâb	2.34	4.40	10.85	11.69	8.66	3.51	2.76	2.49	46.70	Dr. Van Dyck	Broomielaw
Sûḳ-ul-Gharb	2.71	3.50	11.72	12.49	8.51	3.95	3.36	2.32	48.56	Wm. Freidinger	Boys High School
'Aleih	2.93	4.00	12.81	12.48	8.84	4.12	4.18	2.30	51.66	J. K. Ma'âṣiri	American Quarter
Brummâna					7.84	3.58	2.41	1.34	--	T. Salîba	High School
Shweir	1.76	4.33	10.44	11.86	10.11	3.06	5.41	1.35	48.32	J. Somerville	Boys High School
Zaḥleh	--	--	--	3.25	7.26	4.05	3.67	0.50	--	Amin 'Abbûd	Boys School
Sa'dnâyil	0.70	--	--	5.87	6.02	2.87	3.53	0.38	30.62	B. Berloty	Observ de Ksara
Ḥums	0.46	1.35	3.35	2.88	2.26	1.76	2.81	0.17	15.04	H. A. Fâris	S. P. Institution
Damascus	0.62	1.40	4.65	1.56	0.86	1.06	0.39	0.04	10.58	Dr. MacKinnon	Victoria Hospital
Ḳaryatein	--	1.43	0.97	1.23	--					Suleiman Jebbûr	Danish Mission
Tiberias	1.64	1.71	7.10	3.57	2.78	1.21	0.00	0.00	18.01	E. K. Bishûti	Scotch Hospital

EARTHQUAKE RECORDS BY SEISMOGRAPH

GREENWICH MEAN TIME. O HRS. = MIDNIGHT.

1912	Commence h.	Commence m.	Maximum h.	Maximum m.	Amplitude mm.	Duration h.	Duration m.	
Mch. 22	1	24	1	26	0.3		11	
25	5	25	5	27	0.1		8	Thickening
30	21	15	21	16	0.1		4	Thickening
Apr. 19	15	12	15	14	1.0		8	
May 6	19	14	19	29	7.8	1	12	
11	17	44	17	55	1.0		39	
15	0	43	0	50	0.3	1	5	
23	2	34	3	7	9.0	3	4	
25	18	10	18	12	0.5		25	
28	13	22	13	45	0.4		57	
June 2	12	50	13	0	0.2		19	
3	13	30	13	36	0.2		19	
7	10	54	10	59	0.3	1	2	
7	19	2	19	21	0.5	1	11	
7	20	56	21	0	0.1		18	
8	7	37	8	40	1.0	1	53	
8	9	32	9	45	0.6	1	13	
8	10	57	11	22	0.1	1	0	
10	18	33	18	39	0.4		37	
12	8	1	8	9	0.1		16	
12	13	9	13	10	0.1		7	
12	13	49	13	54	0.2	1	16	
17	11	39	12	11	0.5		57	
18	12	14	12	51	4.8	2	12	
26	17	9	17	14	4.2		33	
27	21	47	21	48	0.1		6	Thickening
27	22	20	22	22	0.1		9	Thickening

Period of Pendulm 18 sec.

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT SYRIA.

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

JULY 1912

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ALFRED H. JOY, DIRECTOR.

Imprimerie des Belles Lettres, Khalil Sarkis, Beyrouth.

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July 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 2 1-2; 8 1-2.

Date	Barometer reduced to 0° C, Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of vapour Millimeters				Relative Moisture per cent.				Clouds. Clear — 0 Overcast — 10				Direction and force of Wind 0 — 10			Sea	Bright Sunshine	Condition Weather Symbols			Further Daily
	8½	2½	8½	mean	max.	min.	min. on grass.	8½	2½	8½	mean	8½	2½	8½	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½		hrs.	8½	2½	8½	
1	756.5	756.9	756.8	756.73	28.3	20.6	15.8	25.8	28.1	23.2	25.70	20.1	21.9	20.9	13.7	15.2	16.7	15.20	55	54	79	62.7	0	0	1cu	0.3	SW1	W1	0	calm	9.3	b	b	b	Dew
2	57.1	56.4	56.7	56.73	28.4	20.7	15.9	25.8	28.3	24.8	26.30	22.1	23.2	22.2	16.9	17.3	17.9	17.37	68	60	77	68.3	0	1cu	0	0.3	0	SW1	0	«	9.0	"	"	"	"
3	55.6	55.1	55.2	55.30	29.4	22.7	19.6	27.0	29.3	25.6	27.30	23.3	24.8	23.7	18.3	19.6	20.3	19.40	69	65	83	72.3	0	0	0	0.0	S3	S2	S3	v.slight	8.9	"	"	"	
4	55.2	55.3	55.1	55.20	29.4	22.1	19.3	27.1	29.3	24.9	27.10	24.0	25.1	23.7	19.6	20.0	20.7	20.10	74	65	87	75.3	1cu	0	0	0.3	S2	S2	0	calm	9.3	"	"	"	
5	56.3	55.4	55.2	55.63	29.6	21.7	15.5	26.8	28.9	25.9	27.20	23.8	24.8	24.2	19.5	19.8	21.1	20.13	74	67	85	75.3	0	0	6cu	2.0	S1	SW1	0	«	6.0	"	"	c	
6	53.1	50.3	49.6	51.00	30.8	23.3	19.4	27.6	30.3	26.4	28.10	23.3	25.4	23.6	17.9	20.1	19.3	19.40	65	61	75	67.0	0	0	1cu	0.3	S3	S5	S5	rough	7.7	"	"	b	gale today.
7	50.5	52.6	54.6	52.57	25.7	17.4	17.2	24.3	24.9	22.5	23.90	18.9	17.8	16.6	12.8	11.0	10.6	11.47	56	47	51	51.3	8cu	6cu	5cu	6.3	NW3	NW2	0	"	0.7	c	c	c	R at 3 A. M.
8	56.9	57.3	58.2	57.47	27.2	20.1	15.9	25.6	26.8	22.6	25.00	18.9	19.9	19.3	12.2	12.9	14.4	13.17	50	49	71	56.7	1cu	0	0	0.3	0	SW1	0	calm	8.8	b	b	b	
9	57.8	56.7	56.1	56.87	30.4	19.9	15.5	26.5	27.5	26.2	26.73	18.9	22.1	22.9	11.6	15.7	18.1	15.43	45	58	71	58.0	0	0	0	0.0	0	NE3	NE2	slight	9.0	"	"	"	
10	55.4	55.0	55.6	55.33	35.7	23.8	19.1	30.0	32.7	30.4	31.03	23.2	26.0	24.1	16.2	19.5	12.7	16.43	51	53	39	47.7	0	0	0	0.0	0	E1	0	clam	9.3	"	"	"	Heavy dew
11	57.6	57.6	57.5	57.57	29.9	24.9	20.4	27.4	29.8	25.9	27.53	24.3	24.8	23.8	19.9	19.5	20.2	19.87	74	64	81	73.0	0	0	0	0.0	SW1	N1	NW1	«	9.2	"	"	"	
12	58.0	57.4	56.9	57.43	29.6	22.8	19.6	27.1	29.1	24.6	96.93	23.9	24.0	21.3	19.5	18.2	16.4	18.03	74	60	72	68.7	2cu	0	0	0.7	0	W1	0	«	6.0	bc	"	"	
13	56.1	55.5	55.4	55.57	27.9	21.6	18.8	26.2	27.8	24.1	26.03	22.4	22.6	21.1	17.2	16.6	16.4	16.73	68	59	73	66.7	3cu	3cu	1cu	2.3	W1	W1	W1	«	9.1	b	"	"	
14	54.4	54.0	53.5	53.97	27.4	21.3	18.0	26.5	27.7	24.8	26.37	22.0	21.7	21.2	16.3	15.1	16.1	15.83	62	54	70	62.0	3cu	2cu	9cu	4.7	S1	SW2	W2	«	8.3	"	bc	0	
15	53.2	53.4	53.6	53.40	28.4	21.8	19.4	26.8	28.1	24.6	26.50	21.8	22.7	21.8	15.7	16.4	17.3	16.47	59	57	75	63.7	2cu	0	1cu	1.0	W1	SW3	W1	v. slight	7.4	bc	b	b	
16	54.2	54.5	54.6	54.43	28.7	21.6	18.9	26.9	28.4	24.5	26.60	22.3	23.3	22.3	16.6	17.2	18.2	17.57	62	59	80	67.0	5cu	4cu	0	3.0	S1	SW2	W1	calm	4.5	c	bc	"	
17	55.2	55.4	55.7	55.43	28.4	21.6	19.7	26.6	28.5	24.9	26.67	21.6	23.0	22.2	15.6	16.7	17.7	16.67	61	57	75	64.3	1cu	1cu	0	0.7	S2	S3	S1	slight	8.4	b	b	"	
18	55.7	55.7	55.4	55.60	28.8	23.4	21.0	26.5	28.7	24.8	26.67	22.6	23.2	21.2	17.3	16.9	16.0	16.73	66	57	68	63.7	0	3cu	3cu	2.0	S3	SW2	SW2	v. «	8.6	"	bc	bc	
19	56.3	56.1	56.0	56.13	28.2	21.1	17.4	26.7	27.3	24.2	26.07	22.2	21.8	21.3	16.4	15.4	16.6	16.13	63	57	74	64.7	3cu	1cu	0	1.3	S1	SW1	SW1	calm	8.7	bc	b	b	
20	55.8	55.0	53.7	54.83	28.5	21.1	18.2	26.3	28.2	25.1	26.53	22.5	23.8	22.3	17.3	18.4	17.8	17.83	67	65	75	69.0	1cu	0	0	0.3	SW1	SW2	SW2	«	8.2	b	"	"	
21	52.1	51.9	52.3	52.10	28.9	22.4	18.6	28.6	28.5	25.4	27.50	22.7	23.4	22.6	17.1	17.4	18.2	17.57	58	59	75	64.0	8cu	0	1cu	3.0	S2	W1	0	«	8.0	c	"	"	
22	51.8	51.3	51.4	51.50	29.0	23.7	21.1	26.8	28.9	25.6	27.10	22.9	24.1	23.1	17.8	18.5	19.0	18.43	67	62	77	68.7	3cu	0	0	1.0	S3	S4	S5	slight	8.5	bc	"	"	
23	51.7	51.6	52.1	51.80	29.4	24.0	22.5	27.1	29.2	25.4	27.23	22.6	23.8	22.7	17.0	17.7	18.4	17.70	64	58	76	66.0	0	1cu	1cu	0.7	S4	S4	SW1	«	7.8	b	"	"	
24	52.7	53.1	54.1	53.30	28.8	22.2	20.0	27.6	28.7	24.8	27.03	22.0	23.3	21.6	15.6	17.1	16.7	16.47	57	58	72	62.3	1cu	1cu	0	0.7	SW1	SW3	SW1	v. s.	8.2	"	"	"	
25	54.6	54.6	55.3	54.83	28.8	21.1	17.3	26.7	28.7	24.9	26.77	21.1	22.7	21.3	14.6	16.1	16.2	15.63	56	55	70	60.3	1cu	1cu	3cu	1.7	S1	SW3	S1	calm	8.7			bc	
26	55.2	54.4	54.1	54.57	28.6	21.6	18.3	26.7	28.1	24.7	26.50	21.2	22.1	21.6	14.8	15.5	16.9	15.73	59	54	73	61.0	2cu	1cu	3cu	2.0	SW2	SW2	0	«	8.3	b	"	"	
27	52.9	52.9	52.2	52.67	28.5	22.3	19.9	26.3	28.0	24.8	26.37	21.9	22.8	22.3	16.2	16.8	17.9	16.97	64	59	77	66.7	1cu	2cu	0	1.0	S1	SW2	W1	v. slight	5.4	bc	bc	b	
28	52.3	52.8	53.1	52.73	29.4	22.6	20.4	27.1	29.2	25.5	27.27	22.8	24.2	22.4	17.4	18.5	17.7	17.87	65	61	72	66.0	0	0	0	0.0	S1	SW2	0	«	7.2	"	b	"	
29	53.9	55.1	54.3	54.43	28.9	23.8	21.8	26.9	28.4	24.1	26.47	22.8	23.6	22.6	17.5	17.8	19.2	18.17	66	62	86	71.3	1cu	1cu	0	0.7	S3	SW3	0	calm	2.4	"	"	"	
30	55.7	55.5	55.2	55.47	28.4	21.1	17.3	26.1	28.2	24.7	26.33	22.3	22.9	21.5	17.1	16.8	16.6	16.83	67	59	72	66.0	0	0	2cu	0.7	S1	SW2	W1	«	4.7	"	"	"	
31	54.5	53.8	53.5	53.93	28.8	21.0	17.2	26.7	28.8	25.5	27.00	21.7	23.3	22.7	15.7	17.0	18.3	17.00	59	57	75	63.7	0	0	0	0.0	SW2	SW2	W1	«	8.1				
																															233.4				
M	754.78	754.60	754.60	754.66	28.97	21.91	18.68	26.78	28.52	25.01	26.77				16.49	17.12	17.41	17.01	62.65	58.45	73.74	64.95	1.52	0.90	1.19	1.20					7.53				

			July
Barometer	Maximum	758.2	on 8
"	Minimum	749.6	on 6
Thermometer	Maximum	35.7	on 10
"	Minimum	19.9	on 9
Lowest	on Grass	15.5	on 5,9,
Rainfall	Maximum		on

No. of dayswith:
rain 1....
thunderstorms 1....
fog ....
gale 1 ....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	—	—	—	—	33	8	2	3	5	51
2½ P. M	1	3	1	—	20	34	4	2	—	65
8½ P. M	—	2	—	—	15	7	8	—	11	43
Totals	1	5	1	—	68	49	14	5	16	159

Height of Barometer above sea level 33.7 meters.

" " Thermometers above ground:

Dry and wet 1.55 meters; Max. 1.75; Min. 1.70meterrs

Height of Rim of Rain Gauge:

Above ground 0.56 meters; above sea level 30.31 meters

RAINFALL IN JULY 7

—

	Inches
Ras Beirût	0.47
Zahleh	0.60
Sa'dnâyil	0.74
Homs	0.33

—

SUMMARY OF RAINFALL IN SYRIA.

Years	1909–1910	1910–1911	1911–1912
Sidon	29.90	22,12	32.08 *
Ras Beirût	34.70	41.57	37.31
Ainab	39.83 *	51.90	46.70 *
Aleih	53.93	58.63	51.66 *
Brummana	34.51	41.99	15.17 *
Shweir	50.37 *	60.08	48.32 *
Homs	7.41 *	23.07	15.37
Damascus	7.66	9.97	10.58 *
Tibarias	15.85 *	13.37	18.01 *

* Records not complete.

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT SYRIA.

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28 10

LIBRARY
OCT 10 1912
Weather Bureau

AUGUST 1912

ALFRED H. JOY, DIRECTOR.

IMPRIMERIE DES BELLES-LETTRES, KHALIL SARKIS, BEYROUTH

August 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 2 1-2; 8 1-2.

Date	Barometer reduced to 0° C, Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of vapour Millimeters				Relative Moisture per cent.				Clouds. Clear — 0 Overcast — 10				Direction and force of Wind 0 — 10			Sea	Bright Sunshine	Condition Weather Symbols			Further Daily
	8½	2½	8½	mean	max.	min.	min. on grass.	8½	2½	8½	mean	8½	2½	8½	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½		hrs.	8½	2½	8½	
1	753.1	752.8	752.7	752.87	29.1	23.8	22.0	27.0	29.2	25.3	27.17	23.1	23.7	22.2	17.9	17.6	17.4	17.63	66	58	73	66.0	1cu	0	0	0.3	SW2	W2	W1	v. slight	8.0	b	b	b	
2	54.3	54.9	55.4	54.87	29.4	22.1	18.8	27.8	28.9	25.9	27.53	21.9	23.2	22.4	15.3	16.8	17.5	16.53	57	56	71	60.7	9cu	1cu	10cu	6.7	W1	SW2	W1	calm	7.9	0	"	0	
3	56.5	56.8	56.8	56.70	28.6	22.2	19.1	26.7	28.4	24.6	26.57	22.3	23.2	22.3	16.6	17.1	18.2	17.30	66	59	79	67.0	4cu	0	0	1.3	S1	SW1	0	«	8.4	bc	"	b	
4	56.7	56.4	55.9	56.33	29.1	21.7	18.5	26.6	29.1	25.4	27.03	23.3	23.9	22.9	18.6	18.1	18.8	18.50	71	59	78	69.3	1cu	0	0	0.3	SW1	S1	W2	«	8.4	b	"	"	
5	55.3	54.7	54.5	54.83	29.4	22.8	20.2	26.7	29.3	25.4	27.13	22.9	23.4	21.8	17.8	16.6	16.7	17.03	66	54	68	63.3	1cu	1cu	0	0.7	S3	SW2	W1	v. slight	6.9	"	"	"	
6	53.7	54.0	54.1	53.93	29.2	22.2	18.9	26.7	29.4	25.5	27.20	22.7	24.0	23.0	17.4	18.0	18.9	18.10	66	59	77	67.7	0	1cu	0	0.3	S2	SW2	W1	calm	11.1	"	"	"	
7	56.0	56.0	56.5	56.17	29.5	22.2	19.1	26.9	28.9	24.9	26.90	23.5	24.3	23.3	18.8	18.8	19.9	19.17	71	63	85	73.0	1cu	1cu	0	0.7	S1	S1	0	"	9.9	"	"	"	
8	56.9	56.9	56.7	56.83	29.9	22.2	18.8	26.5	29.4	25.9	27.27	23.7	24.8	24.2	19.8	19.6	20.9	20.10	71	64	85	75.0	0	0	0	0.0	SW1	SW1	0	"	10.1	"	"	"	Dew
9	56.7	57.0	56.5	56.73	29.9	22.3	19.1	27.2	30.0	26.1	27.77	24.4	25.4	24.7	20.3	20.2	21.9	20.80	71	63	87	75.7	0	0	0	0.0	S1	SW1	0	"	10.1	"	"	"	"
10	56.3	55.9	55.7	55.97	30.1	23.2	20.4	27.1	29.9	26.1	27.70	24.6	25.6	24.6	20.7	20.8	21.6	21.03	71	65	86	76.3	9cu	0	0	3.0	0	SW1	0	"	9.8	0	"	"	"
11	56.1	55.8	55.8	55.90	30.3	24.6	21.9	28.1	30.3	26.6	28.33	25.3	25.9	24.7	21.5	21.2	21.5	21.40	70	65	83	74.7	4cu	0	0	1.3	0	W1	0	«	11.1	bc	"	"	
12	55.9	55.4	55.7	55.67	30.0	23.8	20.5	28.3	30.2	25.9	28.13	24.8	25.5	23.8	20.2	20.3	20.2	20.23	70	63	82	71.7	9cu	0	0	3.0	0	SW2	SW1	«	10.2	0	"	"	
13	56.1	55.8	56.0	55.97	29.9	22.2	18.8	26.6	29.8	25.5	27.30	23.1	24.3	23.0	18.2	18.2	18.9	18.43	71	58	77	68.3	1cu	0	0	0.3	SW1	0	0	«	11.3	b	"	"	
14	55.8	56.4	55.6	55.93	29.9	23.0	18.8	27.6	29.6	26.7	27.97	23.8	24.5	24.4	18.9	18.7	20.8	19.47	69	60	80	69.7	1cu	2cu	0	1.0	NE1	SW1	NE1	«	10.9	"	"	"	
15	55.5	56.1	55.8	56.13	30.1	23.3	20.1	27.8	29.9	26.1	27.93	24.4	25.2	23.9	19.9	19.8	20.2	19.97	73	62	80	71.3	0	0	0	0.0	0	SW1	0	"	11.0	"	"	"	
16	54.0	53.7	53.4	53.70	30.0	22.7	19.7	27.7	30.3	25.5	27.83	23.9	25.1	23.8	19.0	19.5	20.5	19.67	69	60	84	70.7	1cu	0	0	0.3	S1	SW2	0	"	11.0	"	"	"	Dew
17	54.6	54.5	54.5	54.53	30.3	22.6	19.3	27.0	30.3	26.3	27.87	23.9	25.2	24.4	19.4	19.6	21.1	20.03	71	60	82	72.0	9cu	1cu	0	3.3	S1	SW2	0	"	10.9	0	"	"	"
18	54.9	54.7	55.0	54.87	30.3	23.1	20.0	27.6	30.1	25.9	27.87	24.4	25.1	24.1	20.0	19.6	20.8	20.13	72	62	84	73.0	8cu	0	0	2.7	S1	SW1	0	"	11.0	c	"	"	
19	56.0	55.8	55.6	55.80	30.1	23.1	19.9	27.7	29.5	26.1	27.77	24.3	24.8	23.7	19.7	19.4	19.8	19.63	73	63	78	70.7	3cu	2cu	0	1.7	S1	W3	0	«	10.7	bc	bc	"	
20	56.1	55.6	55.6	55.77	29.9	22.9	20.0	27.8	29.6	26.2	27.87	23.8	24.2	23.7	18.6	18.2	19.7	18.83	67	59	78	68.0	8cu	1cu	1cu	3.3	0	NW1	0	«	9.7	c	b	"	
21	55.5	54.9	55.0	55.13	30.1	22.8	19.4	27.1	29.9	26.8	27.93	23.7	24.4	22.6	19.1	18.3	16.4	17.93	73	59	64	65.0	0	0	0	0.0	W1	NW1	NE1	«	10.6	b	"	"	
22	55.4	55.1	55.1	55.20	30.7	23.0	18.1	28.2	30.3	26.1	28.20	23.8	23.8	22.5	18.4	16.9	17.5	17.60	69	52	69	61.7	0	0	0	0.0	0	W1	0	"	10.9	"	"	"	
23	55.6	55.3	55.8	55.57	29.7	22.7	18.3	27.3	29.0	26.1	27.47	23.9	23.8	23.1	17.6	17.8	18.6	18.00	66	59	73	66.0	0	9cu	0	3.0	0	SW2	0	«	10.2	"	0	"	
24	56.6	56.9	57.7	57.07	30.0	22.6	19.4	27.5	30.1	26.2	27.93	22.2	23.9	22.7	15.9	17.4	17.8	17.03	58	55	71	61.7	1cu	0	0	0.3	SW1	SW3	0	"	9.7	"	bc	c	
25	58.4	57.9	58.4	58.29	29.8	22.7	17.3	27.7	29.8	25.9	27.80	22.2	22.7	21.7	15.8	15.5	16.1	15.80	58	50	64	57.3	1cu	2cu	6cu	3.0	S1	W2	S1	"	8.8	"	"	b	
26	58.1	57.3	57.2	57.53	29.1	22.8	18.3	27.6	28.9	25.0	27.17	21.2	21.7	20.0	14.4	14.3	14.0	14.23	54	48	59	53.3	1cu	2cu	1cu	1.3	W2	SW2	W2	«	8.7	"	b	"	
27	56.7	56.1	56.2	56.33	28.9	21.6	17.1	26.5	28.9	24.3	26.57	20.4	22.2	21.1	13.7	15.1	16.1	14.97	53	51	71	58.3	0	1cu	0	0.3	S1	W1	0	«	10.1	"	"	"	
28	56.5	56.0	56.3	56.27	29.4	21.9	17.6	26.7	29.2	25.7	27.20	22.2	23.8	23.1	16.5	17.7	18.8	17.67	63	58	76	65.7	0	0	2cu	0.7	0	W1	0	"	10.0	"	"	"	
29	56.9	56.2	56.6	56.57	29.5	22.4	18.8	27.1	29.4	25.5	27.33	23.3	24.4	23.4	18.3	18.7	19.6	18.87	69	62	80	70.3	3cu	0	0	1.0	SW1	W1	0	"	10.2	bc	"	"	
30	56.2	55.1	54.9	55.40	29.3	21.8	17.2	26.7	29.3	25.0	27.00	23.7	23.7	22.3	19.3	17.6	17.8	18.23	71	58	75	69.0	1cu	0	1cu	0.7	SW1	W2	0	«	9.9	b	"	"	Dew
31	55.2	55.3	56.1	55.53	29.4	21.7	17.8	26.6	28.8	25.5	26.94	22.3	23.2	21.8	16.8	16.8	16.7	16.77	68	56	68	62.7	2cu	1cu	0	1.0	0	W2	W1	«	9.3	bc	"	"	
																															306.8				
M	755.89	755.65	755.71	755.75	29.71	22.65	19.14	27.24	29.54	25.74	27.51				18.21	18.20	18.86	18.42	67	55.71	76.39	67.39	2.54	0.81	0.68	1.34					9.90				

			August
Barometer	Maximum	758.4	on 25
"	Minimum	752.7	on 1
Thermometer	Maximum	30.7	on 22
"	Minimum	21.6	on 27
Lowest	on Grass	17.1	on 27
Rainfall	Maximum		on

No. of days with:

rain ....

thunderstorms ....

fog ....

gale ....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	—	1	—	—	14	8	4	—	9	26
2½ P. M	—	—	—	—	2	26	16	2	1	47
8½ P. M	—	2	—	—	1	1	9	—	20	33
Totals	—	3	—	—	17	35	29	2	30	116

Height of Barometer above sea level 33.7 meters.

" " Thermometers above ground:

Dry and wet 1.55 meters; Max. 1.75; Min. 1.70 meters

Height of Rim of Rain Gauge:

Above ground 0.56 meters; above sea level 30.31 meters

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT SYRIA.

LIBRARY

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

SEPTEMBER 1912

ALFRED H. JOY, DIRECTOR

IMPRIMERIE DES BELLES-LETTRES, KHALIL SARKIS, BEYROUTH

September 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 21-2; 8 1-2.

Date	Barometer reduced to 0° C, Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of vapour Millimeters				Relative Moisture per cent.				Clouds. Clear — 0 Overcast — 10				Direction and force of Wind 0 — 10			Sea	Bright Sunshine hrs.	Condition Weather Symbols			Further Daily
	8½	2½	8½	mean	max.	min.	min. on grass.	8½	2½	8½	mean	8½	2½	8½	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½			8½	2½	8½	
1	757.3	757.0	757.1	757.13	28.8	22.7	19.4	26.3	28.4	24.7	26.47	21.2	21.6	21.1	15.1	14.6	15.9	15.20	69	54	69	59.7	8cu	8cu	0	5.3	0	W1	0	calm	8.6	c	c	b	
2	57.3	56.5	56.9	56.90	28.9	22.7	18.2	26.1	28.7	25.3	26.70	21.5	21.9	21.2	15.7	14.8	15.6	15.37	69	50	65	50.0	10cu	1cu	10cu	7.0	W1	NW1	NW1	«	5.5	0	b	0	
3	57.6	57.8	58.7	58.03	28.6	23.2	20.4	26.6	28.1	24.8	26.50	19.9	21.1	20.6	13.0	13.9	15.0	13.97	56	49	65	54.7	3cu	0	0	1.0	0	SW3	0	«	10.2	bc	"	b	
4	58.8	58.5	58.4	58.57	29.2	21.9	17.4	26.2	28.8	25.5	26.83	21.7	23.1	22.3	16.0	16.7	17.5	16.73	62	56	71	63.0	0	0	0	0.0	S1	N1	0	«	9.3	b	"	"	
5	58.3	57.9	57.7	57.97	29.3	22.4	18.7	27.1	29.3	26.1	27.50	23.1	23.9	23.3	17.8	18.0	18.9	18.23	67	59	75	67.0	1cu	0	1cu	0.7	SW1	SW1	W1	"	10.5	"	"	"	
6	57.2	57.0	57.4	57.20	28.4	23.4	19.3	25.8	28.3	24.3	26.13	21.1	21.6	19.6	15.1	14.5	13.8	14.47	6	50	61	57.3	8cu	0	0	2.7	W1	S2	0	«	8.3	c	"	"	
7	55.4	57.9	58.3	57.20	28.3	21.4	16.8	26.6	28.3	25.3	26.73	20.2	20.9	21.1	13.4	13.5	15.4	14.10	5	47	65	54.3	1cu	0	0	0.3	0	S1	N1	"	10.2	b	"	"	
8	59.4	59.0	59.5	59.30	28.7	22.7	19.3	26.7	28.8	25.1	26.87	22.1	22.8	22.1	16.2	16.2	17.3	16.57	62	55	73	63.3	8cu	0	0	2.7	0	W1	N1	"	9.1	c	"	"	
9	60.2	60.1	60.0	60.10	28.3	24.3	21.5	26.5	27.8	25.5	26.60	21.6	22.6	21.7	15.6	16.4	16.5	16.17	66	59	67	62.3	10cu	10cu	0	6.7	0	N1	N1	"	3.8	0	0	"	
10	60.5	59.8	59.9	60.07	28.7	22.8	18.8	26.8	27.9	26.0	26.90	21.8	23.4	22.9	15.7	17.9	18.4	17.33	59	64	73	65.3	1cu	9cu	8cu	6.0	0	N1	N3	"	7.1	b	"	c	
11	61.2	61.0	60.8	61.00	28.9	24.7	22.8	26.6	28.8	25.1	26.83	22.1	22.9	21.8	16.8	16.4	17.0	16.73	66	55	72	64.3	10cu	8cu	3cu	7.0	0	NW2	0	«	5.1	0	c	bc	
12	60.0	59.4	59.8	59.73	28.1	21.9	18.1	26.6	28.1	25.0	26.57	21.4	21.8	21.0	15.3	15.1	15.6	15.33	58	53	66	59.0	6cu	3cu	10cu	6.3	0	W1	0	«	8.2	c	bc	0	
13	59.8	59.1	59.7	59.53	28.2	23.2	22.8	25.6	27.8	25.4	26.27	19.7	20.7	20.2	13.2	13.5	14.1	13.60	54	49	59	54.0	10cu	1cu	10cu	7.0	0	SW2	W2	«	7.8	0	b	"	
14	59.4	58.4	58.6	58.80	28.9	21.7	17.8	27.2	28.4	25.3	26.97	20.4	21.7	21.3	13.5	14.6	15.8	14.63	59	51	66	55.3	3cu	9cu	0	4.0	S1	W2	0	«	8.7	bc	0	b	
15	58.5	57.5	58.0	58.00	29.1	21.4	17.2	27.1	28.7	25.6	27.13	21.8	23.9	22.9	15.6	18.3	18.7	17.53	58	62	76	65.3	3cu	0	0	1.0	0	SW2	W1	"	9.4	"	b	"	
16	59.3	59.2	59.9	59.47	28.4	22.8	19.4	26.1	28.6	25.9	26.87	22.7	23.7	22.8	17.9	17.9	18.1	17.97	74	61	72	68.0	9cu	0	8cu	5.7	0	NW1	N2	"	8.0	0	"	c	
17	60.3	60.1	61.2	60.53	30.7	23.8	21.1	27.3	29.7	26.5	27.83	21.8	24.6	24.0	15.4	18.9	20.1	18.13	57	60	77	64.7	3cu-ci	0	3cu	2.0	0	W1	N1	"	9.1	bc	"	bc	
18	62.2	61.9	62.1	62.07	28.1	24.4	21.5	26.1	27.9	23.7	25.90	22.7	22.6	20.9	17.9	16.5	16.4	16.93	71	58	75	68.0	5cu	3cu	0	2.7	0	W2	0	"	7.6	"	bc	b	
19	62.0	61.5	61.3	61.60	27.7	22.4	18.3	25.5	27.5	23.9	25.63	21.2	21.6	21.1	15.5	15.0	16.5	15.67	63	55	74	64.0	2cu	1s	1cu	1.3	SW1	W1	0	«	9.5	"	b	"	
20	61.4	60.6	60.3	60.77	28.0	21.4	16.8	25.6	28.2	24.2	26.00	21.3	22.1	20.8	15.6	15.5	15.7	15.60	63	54	70	62.7	5cu	0	8cu	4.3	0	W1	SW1	«	9.2	"	"	c	
21	60.1	59.4	59.8	59.77	27.7	22.7	19.6	25.3	27.6	24.3	25.73	20.2	21.5	20.5	14.4	14.8	15.2	14.80	59	54	68	60.3	3cu	8cu	4cu	5.0	SW1	SW1	0	«	6.5	"	c	bc	
22	60.4	59.6	60.7	60.23	27.8	22.2	20.4	25.9	27.2	24.2	25.77	20.9	21.1	20.6	14.9	14.4	15.4	14.90	60	53	68	60.3	3cu	8cu	0	3.7	SW1	W1	0	"	5.8	"	"	b	
23	61.8	61.2	61.8	61.60	27.6	21.5	20.2	26.0	27.5	24.4	25.97	20.6	20.9	20.7	14.3	13.9	15.3	14.50	57	54	68	58.7	4cu-ci	3cu-s	9cu	5.3	0	W1	0	«	6.6	"	bc	0	
24	62.6	62.0	62.0	62.20	62.9	22.3	19.4	25.9	26.7	25.1	25.90	20.5	21.2	21.6	14.2	14.8	16.6	15.20	57	56	70	61.0	3cu	0	0	1.0	0	N2	N3	"	9.4	b	p	b	
25	62.9	60.6	60.2	60.93	27.6	22.7	19.7	26.6	27.6	26.1	26.77	22.3	23.8	24.4	16.7	18.9	21.2	18.93	64	70	85	73.0	0	0	0	0.0	NE1	N2	N2	slight	9.5		"	"	
26	61.0	60.2	60.1	60.43	29.1	24.6	22.1	27.2	29.3	25.4	27.30	23.9	24.9	23.9	19.3	19.8	20.8	19.97	72	66	86	74.7	10cu	7cu	0	5.7	0	W1	NE1	calm	6.2	0	c	"	
27	60.9	60.3	60.5	60.57	28.8	23.9	20.6	26.3	28.3	26.1	26.90	23.9	25.2	24.4	21.0	21.1	21.5	20.87	78	74	85	79.0	2cu	3cu	0	1.7	0	NE1	N1	«	9.1	bc	bc	"	
28	60.6	60.1	60.2	60.30	29.3	23.0	19.1	26.2	29.2	25.0	26.80	24.3	25.1	23.3	21.0	20.1	19.8	20.30	93	66	84	77.7	3cu-ci	0	1ci	1.3	0	W1	0	«	9.8		b	"	
29	59.9	58.8	59.4	59.37	28.9	22.7	15.6	26.6	29.1	25.9	27.20	22.9	25.5	23.3	17.9	21.1	19.1	19.37	63	70	77	71.7	0	0	0	0.0	S4	S3	S3	v. slight	9.7	b	"	"	Heavy dew
30	59.7	59.0	58.9	59.20	28.9	23.5	21.3	26.9	28.8	25.2	26.97	22.2	23.7	22.6	16.4	17.9	18.2	17.50	64	61	75	65.7	0	1cu	1cu-s	0.7	S2	S3	S1	calm	9.3	"	"	"	
31																															247.8				
M	759.84	759.38	759.64	759.62	28.54	22.81	19.45	26.38	28.31	25.16	26.62				15.98	16.50	17.18	16.55	63	57.30	71.90	63.78	4.47	2.77	2.57	3.27					8.26				

		September	
Barometer	Maximum	762.6	on 24
"	Minimum	755.4	on 7
Thermometer	Maximum	30.7	on 17
"	Minimum	21.4	on 7, 15,
Lowest	on Grass	15.6	on 29
Rainfall	Maximum		on

No. of days with:	
rain	....
20 thunderstorms	....
fog	....
gale	....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	—	1	—	—	8	4	2	—	19	34
2½ P. M	7	1	—	—	9	8	14	3	—	42
8½ P. M	15	1	—	—	4	1	4	1	13	39
Totals	22	3	—	—	21	13	20	4	32	115

Height of Barometer above sea level 33.7 meters.

" " Thermometers above ground:

Dry and wet 1.55 meters; Max. 1.75; Min. 1.70 meters

Height of Rim of Rain Gauge:

Above ground 0.56 meters; above sea level 30.31 meters

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT SYRIA.

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

OCTOBER 1912

ALFRED H. JOY, DIRECTOR

October 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 2 1-2; 8 1-2.

Date	Barometer reduced to 0° C, Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of vapour Millimeters				Relative Moisture per cent.				Clouds. Clear — 0 Overcast — 10				Direction and force of Wind 0 — 10			Sea	Bright Sunshine hrs.	Condition Weather Symbols			Further Daily
	8½	2½	8½	mean	max.	min.	min. on grass.	8½	2½	8½	mean	8½	2½	8½	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½			8½	2½	8½	
1	758.6	758.6	760.1	759.10	28.2	23.6	21.6	26.7	28.4	25.0	26.70	22.2	23.1	21.8	16.5	17.0	16.9	16.80	63	59	72	64.7	5cu	7cu	0	4.0	S3	SW3	SW1	calm	5.2	bc	c	b	
2	61.0	61.4	62.9	61.50	27.9	22.2	19.5	25.4	27.8	23.7	25.63	22.1	23.8	22.1	17.1	18.8	18.5	18.13	71	68	85	74.7	1cu-ci	8cu-ci	0	3.0	S3	SW2	0	"	8.1	b	"	"	Dew
3	62.7	62.4	62.4	62.50	29.2	22.4	17.2	26.7	29.2	25.5	27.13	23.3	22.9	21.0	18.5	16.2	15.3	16.67	71	54	62	62.3	2cu-ci	0	0	0.7	0	NE1	0	"	8.7	bc	b	"	
4	61.8	60.8	60.8	61.13	30.4	23.9	15.6	28.7	29.0	24.5	27.40	18.1	23.3	21.8	9.8	16.9	17.4	14.70	53	57	76	55.7	0	0	0	0.0	E1	E1	0	"	9.6	b	"	"	
5	60.2	59.4	59.9	59.83	29.3	22.2	15.7	27.0	28.3	25.9	27.07	19.8	23.0	22.3	10.2	16.9	17.2	14.77	67	61	69	59.0	0	2cu	0	0.7	0	NE3	NE2	"	9.	"	bc	"	
6	61.0	60.4	61.1	60.83	29.4	23.9	18.8	26.4	29.4	25.9	27.23	24.6	22.1	21.6	21.4	14.8	16.0	17.40	84	48	65	65.7	0	0	0	0.0	0	NE1	0	"	9.6	"	b	"	Heavy dew
7	62.6	61.7	62.2	62.17	31.7	23.9	15.8	27.4	29.9	26.4	27.90	22.1	24.6	21.7	15.9	18.6	15.9	16.80	63	60	61	59.7	0	0	0	0.0	0	NE1	0	"	9.7	"	"	"	
8	59.5	61.4	61.2	60.70	31.7	21.4	14.2	26.6	28.3	25.1	26.67	19.9	22.1	23.8	13.0	15.3	20.8	16.57	71	53	87	63.3	0	0	0	0.0	0	NE1	0	"	9.6	"	"	"	
9	61.5	60.1	60.2	60.60	28.0	21.4	17.7	25.2	27.8	25.6	26.20	23.5	23.4	25.2	20.2	17.9	23.6	20.57	91	64	96	81.3	9ci	10cu-ci	3cu	7.3	0	NE1	NE1	"	5.1	0	0	bc	Heavy dew
10	60.2	58.9	60.4	59.83	28.4	23.2	19.9	25.9	27.4	25.6	26.30	24.6	24.4	24.4	21.8	20.2	21.6	21.20	93	74	89	83.7	9cu-ci	10cu	2cu	7.0	0	NE1	NE1	"	2.2	"	"	"	" "
11	60.6	59.9	61.2	60.57	30.8	24.1	20.0	26.8	30.1	28.0	28.30	23.5	22.5	21.9	18.9	15.0	13.2	15.70	72	47	54	57.3	9cu	9cu-ci	0	6.0	NE2	N3	N1	slight	7.1	"	"	b	"
12	61.6	61.1	61.4	61.37	28.2	22.7	18.8	25.9	28.3	23.9	26.03	22.4	24.8	22.9	17.5	20.3	19.9	19.23	78	71	89	77.9	3cu	0	0	1.0	SW1	S1	0	calm	9.6	bc	b	"	
13	62.3	61.1	61.6	61.67	27.6	21.3	17.1	24.9	27.3	23.6	25.27	22.5	22.4	21.1	18.4	16.5	16.7	17.20	78	61	77	72.3	0	0	0	0.0	S1	S1	0	"	9.7	b	"	"	
14	61.9	60.4	60.1	60.80	26.9	21.1	16.1	24.9	26.7	23.7	25.10	21.1	21.7	20.2	15.7	15.7	15.1	15.50	68	59	69	65.3	1cu	1cu	4cu	2.0	0	W1	0	"	9.1	"	"	bc	
15	59.9	58.4	59.0	59.10	27.0	19.9	14.4	23.8	26.7	24.1	24.87	18.2	20.9	19.3	12.1	14.3	13.5	13.30	67	55	60	56.7	0	1cu	5cu	2.0	0	SW3	0	"	9.0	"	"	"	few drops at 8.10 P.M.
16	58.4	57.3	57.8	57.83	26.7	20.9	18.0	24.4	25.7	21.4	23.83	19.3	20.5	19.1	13.2	14.4	14.7	14.10	67	58	77	64.3	1cu	3cu	7cu-n	3.7	S1	S3	S1	"	6.5	"	bc	r	a shower today
17	58.5	57.3	58.2	58.17	25.1	16.9	15.2	19.2	24.3	19.6	21.03	17.6	18.7	17.9	13.9	12.5	14.1	13.50	83	55	83	74.0	9cu	9cu	9n	9.0	0	S2	S1	"	5.2	0	0	"	
18	58.4	58.7	61.2	59.43	22.1	15.8	14.7	18.0	21.0	14.9	18.00	17.3	17.4	14.4	14.2	12.4	11.8	12.80	92	66	94	84.0	9cu	8cu	3cu	6.7	SE1	0	S1	"	3.3	"	c	bc	
19	63.2	63.1	64.5	63.60	23.9	13.9	12.1	20.5	23.7	20.9	21.70	16.3	17.7	15.6	11.2	11.5	10.1	10.93	52	53	54	56.0	2cu	0	1cu	1.0	SE1	SW1	0	"	9.0	bc	b	b	
20	64.2	62.6	62.5	63.10	23.7	17.2	12.8	20.9	23.2	22.1	22.07	16.3	17.7	17.8	10.9	11.7	12.3	11.63	53	55	62	58.7	0	9ci	0	3.0	0	W1	N2	"	9.5	b	0	"	
21	60.7	59.3	59.9	59.97	25.6	18.4	14.1	21.9	25.6	21.3	22.93	19.1	19.8	18.2	14.4	13.5	13.5	13.80	76	55	71	66.3	0	0	0	0.0	0	N1	0	"	9.7	"	b	"	
22	61.3	60.4	60.4	60.70	24.4	18.3	14.8	22.2	24.3	21.0	22.50	18.5	19.6	18.8	13.3	13.7	14.6	13.87	76	61	78	68.3	1cu	0	0	0.3	0	NE1	0	"	9.6	"	"	"	
23	61.4	60.6	61.0	61.00	24.6	19.1	15.0	23.0	24.8	22.5	23.43	19.4	20.2	19.1	14.2	14.4	14.0	14.20	76	62	69	66.3	10cu-ci	9cu	10cu	9.7	0	SW1	0	"	4.9	0	0	0	
24	60.2	59.5	60.2	59.97	25.4	19.4	15.4	22.8	25.3	21.3	23.13	19.2	20.7	19.3	14.0	14.9	15.3	14.73	76	62	80	70.0	2cu-ci	1cu-ci	0	1.0	S1	S2	0	"	9.0	bc	b	b	
25	61.0	60.4	61.2	60.87	25.0	19.4	15.4	20.4	25.3	20.6	22.10	19.3	20.5	19.3	15.8	14.6	15.7	15.37	78	64	86	78.7	9cu-n	9cu-ci	0	6.0	0	SW1	0	"	2.1	r	0	"	
26	61.4	59.9	59.9	60.40	24.4	18.5	15.0	22.9	24.2	22.6	23.20	18.3	19.8	19.2	12.7	14.1	14.1	13.63	66	62	70	64.3	2cu	4cu	8cu	4.7	0	0	NE1	"	8.2	bc	bc	c	
27	59.8	58.7	58.5	59.00	24.3	18.3	14.6	22.2	23.9	19.6	22.00	18.5	19.3	17.2	13.3	13.5	12.8	13.20	66	61	74	67.0	2cu	8cu-ci	1cu	3.7	0	SW1	0	"	9.1	"	c	b	
28	57.1	56.6	56.5	56.73	21.4	16.7	14.7	20.3	20.9	18.9	20.03	16.7	17.8	14.1	11.8	13.0	9.2	11.33	66	71	57	64.7	10n	10n	9n	9.7	SW2	S3	S5	slight	3.1	r	r	r	
29	56.6	57.8	59.7	58.03	17.3	12.6	4.4	14.6	16.3	13.8	14.90	13.4	14.2	12.5	10.8	10.7	10.0	10.50	81	78	85	83.3	10n	10n	10n	10.0	S1	SW2	S1	v	1.6	"	"	"	
30	60.3	59.9	60.1	60.10	16.6	11.0	10.5	15.5	16.5	14.8	15.60	12.6	13.4	12.3	9.2	9.6	9.2	9.33	69	69	74	70.7	10n	10n	9cu	9.7	S1	0	0	calm	0.8	"	"	0	snow fell on mountains
31	61.1	61.1	61.9	61.37	18.6	12.4	10.1	14.8	16.5	15.5	15.60	12.7	14.3	13.2	9.7	10.7	9.9	10.10	78	77	75	76.7	10n	10n	3cu	7.7	S1	W1	S1	"	1.2	"	"	be	
																															215.3				
M	760.62	759.99	760.55	760.39	25.93	19.55	15.46	23.09	25.36	22.18	23.55				14.50	14.83	14.93	14.75	69	61.13	74.19	68.13	4.06	4.77	2.71	3.86					6.95				

			October
Barometer	Maximum	764.5 on	19
"	Minimum	756.5 on	28
Thermometer	Maximum	31.7 on	7,8
"	Minimum	11.0 on	30
Lowest	on Grass	4.4 on	29
Rainfall	Maximum	40.8 on	18

No. of days with:

rain 7....

thunderstorms ....

fog ....

gale ....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A.M	—	2	1	2	12	3	--	—	17	37
2½ P.M	4	10	1	—	12	14	3	—	3	47
8½ P.M	6	5	—	—	10	1	—	--	18	40
Totals	10	17	2	2	34	18	3	—	38	124

Height of Barometer above sea level 33.7 meters.

" " Thermometers above ground:

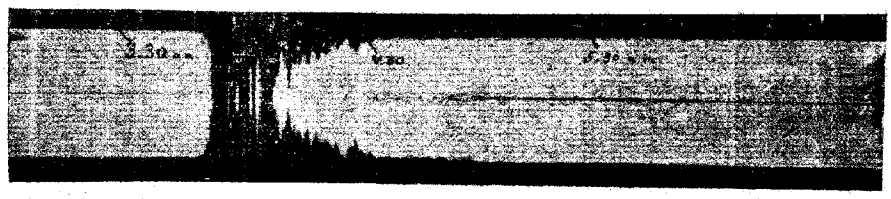
Dry and wet 1.55 meters; Max. 1.75; Min. 1.70 meters

Height of Rim of Rain Gauge:

Above ground 0.56 meters; above sea level 30.31 meters

RAINFALL IN SYRIA IN OCTOBER 1912.

October	Sidon	Râs Beirût	Beirût	'Asfûriyeh	'Ainâb	Sûk-ul-Gharb	'Aleih	Brummâna	Shweir	Zaḥleh	Ksara	Ḥums	Damascus	Tiberias
16										0.04				
17	0.60	0.87	0.53	0.60	0.58	0.41		1.12	0.07	0.44	0.42			
18	0.81	1.61	1.77	1.44	0.65	1.91	2.00	0.40	1.51	0.59	0.56	0.23	0.27	
19	0.24		0.41½		1.32	0.14	0.22		0.36					
25	0.26	0.07	0.04			0.01								
27								0.33			0.41			
28	0.50	1.04	0.54½	1.32	0.22	1.31	1.19	1.63	1.86	0.57	1.02	0.30	1.13	
29	0.96	1.37	1.78	2.00	2.06	2.00	2.12	1.39	1.36	1.82	0.40	0.09	0.26	
30	0.83	1.21	1.59	0.12	1.27	0.64	0.78	0.26	1.94		0.02	0.13	0.13	
31	0.38	0.17	0.41	0.46	0.38	0.31	0.45	0.32	0.52	0.22	0.18	0.2[illegible]	0.08	
Total inches	4.58	6.34	7.08	5.94	6.48	6.73	6.76	5.45	7.62	3.68	3.01	0.96	1.87	



Record Marmora Earthquake near Constantinople
made by Milne Seismograph at the College observatory in hû
Aug. 9-1912 G. M. T.
Beginning 1^h 30.5^m
Maximum 1^h 34.0^m to 1^h 49.5^m
Duration 3^h 51^m

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT SYRIA.

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

NOVEMBER 1912

ALFRED H. JOY, DIRECTOR

LIBRARY
FEB 3 1913
Weather Bur

IMPRIMERIE DES BELLES-LETTRES, KHALIL BAKHOS, BEYROUTH

November 1912

METEOROLOGICAL REGISTER

Hours of Observation 8 1-2; 2 1-2; 8 1-2.

Date	Barometer reduced to 0° C, Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of vapour Millimeters				Relative Moisture per cent.				Clouds. Clear — 0 Overcast — 10				Direction and force of Wind 0 — 10			Sea	Bright Sunshine	Condition Weather Symbols			Further Daily Notes
	8½	2½	8½	mean	max.	min.	min. on grass.	8½	2½	8½	mean	8½	2½	8½	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½	mean	8½	2½	8½		hrs.	8½	2½	8½	
1	763.1	762.6	763.1	762.93	20.4	13.2	11.2	17.5	18.7	17.1	17.77	15.0	15.7	14.0	10.7	11.4	8.8	10.30	[illegible]	71	69	71.3	10n	10n	3cu	7.7	S1	0	SE 1	calm	2.3	r	r	bc	
2	62.8	61.1	60.8	61.57	22.1	16.0	11.3	18.7	21.6	18.4	19.57	14.9	18.2	15.7	9.4	13.3	11.5	11.40	[illegible]	69	73	64.3	1cu	9cu	0	6.3	S1	0	0	"	2.7	c	0	b	
3	56.8	56.5	58.9	57.40	22.7	15.7	10.6	21.2	19.1	18.3	19.53	14.8	17.4	15.0	9.1	13.6	10.7	11.13	[illegible]	83	68	66.7	7cu	10n	9cu	8.7	S3	SW4	S1	slight	2.5	"	r	0	
4	61.6	62.0	62.8	62.13	20.7	15.4	13.9	19.4	20.3	17.1	18.93	14.5	15.6	14.4	9.6	10.4	10.6	10.20	[illegible]	58	73	62.3	8cu-ci	9cu	3cu	6.7	SW3	SW2	SE1	vs	5.2	"	0	bc	
5	62.4	60.5	61.1	61.33	21.2	14.4	9.9	18.1	21.3	20.3	19.90	13.4	15.8	14.6	8.9	10.2	9.2	9.43	[illegible]	54	52	54.7	1cu	5cu	9cu	5	S1	S1	S1	calm	6.6	b	c	0	
6	62.5	64.1	66.4	64.33	18.7	15.0	13.2	15.8	18.3	17.0	17.03	15.1	13.9	11.9	12.3	9.3	7.8	9.80	[illegible]	59	54	68.7	10n	9cu	2cu	7.0	0	SW2	SW2	v. slight	0.8	r	r	bc	
7	69.0	68.3	67.8	68.37	19.4	14.0	10.6	16.7	19.1	17.8	17.87	12.7	13.6	13.9	8.8	8.7	9.6	9.03	[illegible]	53	63	59.3	2cu	0	0	0.7	S1	S1	NE2	calm	8.5	bc	b	b	
8	66.6	64.6	64.5	65.23	22.7	14.6	9.2	18.8	22.8	19.5	20.37	12.5	15.2	14.1	7.7	8.9	9.0	8.53	[illegible]	43	53	47.7	1s	1s	0	0.7	SE1	NE2	0	"	7.1	b	"	"	
9	64.3	63.1	63.7	63.37	23.3	17.2	11.2	20.2	23.2	20.7	21.37	16.8	18.7	17.8	12.1	13.1	13.2	12.80	[illegible]	61	73	67.7	0	0	0	0.0	0	NE1	0	"	9.6	"	"	"	
10	61.5	58.9	59.2	59.87	23.8	18.3	12.3	21.0	23.8	22.5	22.43	17.1	20.9	17.9	12.0	16.2	12.3	13.50	[illegible]	73	60	66.0	2cu-ci	4cu	0	2.0	0	0	E1	"	8.9	bc	bc	"	
11	59.8	59.0	60.1	59.63	23.8	19.9	15.6	21.4	23.3	19.7	21.47	16.2	19.4	17.1	10.6	14.1	12.4	12.37	[illegible]	66	70	63.7	8cu-ci	0	1cu	3.0	S1	S2	E1	"	7.4	c	b	"	
12	62.6	63.0	64.3	63.30	21.3	15.8	14.4	17.8	21.5	18.3	19.20	16.6	16.9	15.9	13.2	11.6	12.0	12.27	[illegible]	90	77	74.7	7cu	4cu	2cu	4.3	S1	SW1	S1	"	5.7	"	bc	"	
13	66.6	66.9	67.8	67.10	21.8	16.3	12.3	18.8	21.5	20.4	20.23	16.1	16.8	16.8	11.8	11.4	11.9	11.70	[illegible]	59	67	66.3	0	0	0	0.0	0	N1	N4	"	8.8	b	b	"	
14	68.0	66.8	66.7	67.17	21.4	17.1	12.2	20.1	21.5	20.6	20.73	15.4	17.5	17.9	10.3	12.3	13.4	12.00	[illegible]	64	75	65.7	0	0	0	0.0	NE1	NE3	NE2	v. slight	9.0	"	"	"	
15	65.8	64.7	65.2	65.23	21.9	16.4	12.1	19.0	21.8	19.3	20.03	15.9	17.6	16.2	11.5	12.2	11.8	11.83	[illegible]	62	70	67.7	0	0	0	0.0	0	0	0	calm	8.8	"	"	"	
16	65.7	64.6	65.7	65.33	22.2	15.9	9.7	18.7	22.0	21.0	20.57	13.7	16.8	15.0	8.9	11.1	9.4	9.80	[illegible]	56	51	54.0	0	0	0	0.0	0	S1	0	"	8.8	"	"	"	
17	67.5	65.5	66.2	66.40	22.2	15.9	9.4	19.2	21.9	18.9	20.00	13.9	15.6	12.9	8.0	9.6	8.0	8.53	[illegible]	49	49	49.0	0	0	0	0.0	S1	N1	0	"	8.8	"	"	"	
18	66.4	65.4	65.3	65.70	22.1	16.3	8.9	18.3	21.7	18.4	19.47	12.6	17.3	16.2	8.0	12.0	12.2	10.73	[illegible]	62	78	63.3	0	0	1s	0.3	0	NE1	NE1	"	8.9	"	"	"	
19	65.6	64.8	65.1	65.17	22.2	16.0	9.6	19.1	22.2	18.3	19.87	13.2	17.6	15.1	8.3	12.0	10.8	10.37	[illegible]	59	69	59.3	4ci	3ci	0	2.3	0	0	0	v "	7.1	bc	bc	"	
20	65.6	64.8	64.9	65.10	22.6	16.7	10.5	19.4	22.1	18.3	19.93	12.8	17.5	16.7	7.8	12.0	13.0	10.93	[illegible]	60	83	63.0	1ci	4ci	0	1.7	S1	N1	0	"	8.7	b	"	"	
21	64.7	63.5	63.6	63.93	22.1	15.9	10.6	18.3	21.6	18.9	19.60	12.7	17.1	15.0	8.0	11.8	10.3	10.03	[illegible]	61	64	58.3	2s	0	0	0.7	0	NE1	0	"	8.7	bc	b		
22	63.4	63.5	64.9	63.93	24.2	17.2	9.3	22.2	22.8	19.8	21.60	13.7	19.4	15.7	7.6	14.5	10.8	10.97	[illegible]	70	62	56.7	0	0	0	0.0	SE1	0	0	"	8.7	b	"	"	
23	65.8	65.6	66.2	65.87	22.7	18.2	10.6	20.5	22.1	19.4	20.67	16.1	19.1	17.9	10.9	14.3	14.3	13.17	[illegible]	72	85	72.3	0	0	0	0.0	S1	0	0	"	8.8	"	"	"	
24	64.6	62.9	62.3	63.27	22.8	16.6	11.8	19.4	22.3	19.2	20.31	16.1	18.7	17.7	11.5	13.6	14.0	13.00	[illegible]	68	84	73.7	1ci	0	0	0.3	0	S1	0	"	8.9	"	"	"	
25	60.1	58.1	58.2	58.80	23.8	17.8	11.2	21.0	22.6	20.9	21.50	12.8	19.3	16.6	7.2	14.4	11.4	11.06	[illegible]	71	62	57.0	9cu-ci	0	0	3.0	0	0	S2	"	7.4	0	"	"	
26	60.8	59.5	61.9	60.73	20.3	16.2	13.8	19.1	15.9	16.7	17.23	14.5	14.8	15.9	9.7	11.8	12.9	11.47	[illegible]	88	91	79.0	7cu	10n	9n	8.7	S1	W5	S2	"	3.4	c	r	r	
27	62.3	61.0	61.1	61.47	19.2	14.9	12.4	18.7	17.0	16.4	17.37	16.2	14.9	14.7	12.1	11.2	11.4	10.57	[illegible]	78	82	78.7	8cu	6cu	5cu	6.3	S1	S1	0	"	3.7	"	"	"	
28	60.5	60.0	61.3	60.60	17.7	12.8	11.1	14.4	17.6	14.6	15.53	13.6	15.0	12.8	11.1	11.1	10.1	10.77	[illegible]	74	80	82.0	10n	5cu	3cu	6.0	S2	S1	0	"	2.7	r	c	bc	
29	62.7	62.7	64.6	63.33	18.2	12.8	10.2	13.8	18.2	14.8	15.60	13.2	15.0	14.1	10.9	10.7	11.6	11.47	[illegible]	69	93	85.0	9n	3cu	10n	7.3	S1	SW1	S1	"	5.2	"	bc	r	
30	66.2	65.4	65.9	65.83	19.1	12.4	11.6	14.3	19.4	15.5	16.40	12.6	14.9	13.3	9.9	10.1	10.0	10.00	[illegible]	60	76	72.3	10n	3cu	0	4.3	S1	SW1	0	"	5.6	"	"	b	
31																															197.5				
M	763.84	762.98	763.62	763.48	21.55	15.83	11.36	18.70	20.91	18.60	19.40				9.93	11.90	11.15	10.99	62	62.40	70.20	65.68	4.23	3.17	1.90	3.40					6.58				

		November	
Barometer	Maximum	769.0 on	7
"	Minimum	756.5 on	3
Thermometer	Maximum	24.2 on	22
"	Minimum	12.4 on	30
Lowest	on Grass	8.9 on	18
Rainfall	Maximum	42.4 on	27

No. of days with:

rain	11
thunderstorms	....
fog	....
gale	....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	—	1	—	2	18	3	--	—	11	35
2½ P. M	3	8	—	—	8	11	5	—	8	43
8½ P. M	4	5	2	2	8	2	—	--	15	38
Totals	7	14	2	4	34	16	5	—	34	116

Height of Barometer above sea level 33.7 meters.

" " Thermometers above ground:

Dry and wet 1.55 meters; Max. 1.75; Min. 1.70 meters

Height of Rim of Rain Gauge:

Above ground 0.56 meters; above sea level 30.31 meters

RAINFALL IN SYRIA IN OCTOBER 1912.

November	Sidon	Rás Beirût	Beirût	'Asfûrîyeh	'Ainâb	Sûk-ul-Gharb	'Aleih	Brummâna	Shweir	Zahleh	Ksara	Ḥums	Damascus
1	0.79	0.12	0.20		0.25	0.32	0.25		0.37				
2	0.02		0.01		0.11	0.01		0.03					
3	0.01	0.34				1.63	2.50	0.94		0.74	0.57		0.06
4	0.54	00.2	0.62		2.18	0.54		0.04	2.00	0.05			
5					0.01			0.53	0.03	0.18	0.09		
6	0.89	0.97	1.12	0.49	0.82	0.94	0.93	0.05	0.65	0.04			
7	0.01		0.01		0.05				0.08				
10								0.07		0.01			
11		0.01	0.02					0.01		0.06	0.01		
12	0.17	0.24	0.26	0.21	0.11	0.13	0.10		0.09				
13	0.06		0.05		0.30				0.28				
25				0.68				0.08		0.09	0.09		
26	0.22	1.05	0.83		0.30	1.06	1.05	0.54	0.31	0.31	0.25		0.04
27	2.77	1.67	0.73		1.00	0.30	2.00	0.70	0.73	0.47	0.24		0.05
28	0.07	1.48	2.36	1.12	0.76	1.30		0.69	1.22	0.33	0.38		0.03
29	0.71	0.54	0.60	0.72	0.92	0.19	1.37	0.66	0.51	0.35	0.26		
30	0.71	0.65	0.81	0.81	0.85	1.05		0.09	0.73		0.01		
Total Inches	6.97	7.09	7.62	4.03	7.67	7.47	8.20	4.43	7.00	2.63	1.90		0.18

MONTHLY BULLETIN

OF

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRUT SYRIA.

LIBRARY
MAR 5 1913
METEOROLOGICAL BUREAU

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER 1912

ALFRED H. JOY, DIRECTOR

IMPRIMERIE DES BELLES-LETTRES, KHALIL SARKIS, BEYROUTH

December 1912

METEOROLOGICAL REGISTER

Hours of Observation 8½-2; 2½-2; 8½-2.

Date	Barometer reduced to 0° C, Sea level and 45° Latitude 8½	2½	8½	mean	Thermometer Cent. (Corrected) max.	min.	min. on grass.	Dry Bulb Cent. (Corrected) 8½	2½	8½	mean	Wet Bulb Cent. (Corrected) 8½	2½	8½
1	764.3	763.7	764.8	764.27	17.2	13.4	10.0	17.4	14.9	14.3	15.53	13.2	13.0	12.3
2	66.4	65.3	66.2	65.97	18.2	12.2	8.8	14.5	17.9	15.5	15.97	12.8	13.6	12.6
3	66.2	64.1	64.2	64.83	18.4	12.6	6.7	14.7	18.3	17.2	16.73	10.2	14.6	14.2
4	65.2	63.1	62.7	63.67	21.1	13.9	10.0	17.8	20.9	18.4	19.03	12.1	14.3	14.0
5	62.2	61.1	61.4	61.57	22.2	17.2	11.7	18.4	21.4	17.2	19.17	13.6	17.7	15.9
6	59.9	59.4	60.7	60.00	20.7	16.1	11.1	17.6	19.6	16.4	17.87	14.1	15.8	14.9
7	60.2	60.5	60.5	60.40	17.8	14.9	12.2	17.6	13.1	14.2	14.97	12.3	12.6	11.5
8	62.3	62.2	63.0	62.50	20.6	11.7	9.5	16.4	17.8	14.6	16.27	12.7	13.6	12.6
9	63.2	61.5	63.0	62.57	18.4	12.7	7.1	14.4	18.3	13.7	15.47	10.9	13.8	12.9
10	62.5	61.6	62.9	62.33	15.8	12.1	10.8	13.1	14.0	12.7	13.27	11.9	12.3	10.5
11	63.4	62.9	63.2	63.17	16.0	10.6	7.3	12.7	16.2	12.7	13.87	10.4	12.5	10.3
12	62.9	62.1	62.0	62.33	16.8	11.2	7.2	13.7	14.0	15.5	14.40	11.5	13.3	14.0
13	61.6	59.9	61.3	60.93	16.9	11.7	10.2	13.1	14.9	12.7	13.57	12.0	12.9	12.0
14	63.9	63.4	63.8	63.70	15.4	11.4	7.9	12.7	15.3	11.7	13.23	10.0	10.1	8.9
15	63.9	63.6	64.2	63.90	15.4	10.9	7.2	12.4	15.5	11.8	13.23	9.1	11.1	9.7
16	66.3	66.8	68.3	67.13	15.7	10.8	6.5	12.7	14.9	13.7	13.77	9.7	11.6	10.6
17	70.1	70.0	70.5	70.20	17.7	11.6	6.6	13.5	17.5	14.2	15.07	9.9	13.1	11.3
18	69.6	68.3	68.4	68.77	18.8	12.7	6.4	14.0	18.0	15.4	15.80	10.1	13.7	11.8
19	68.5	67.1	67.7	67.77	18.3	12.4	6.3	14.4	17.9	16.4	16.23	10.4	13.7	13.3
20	65.8	65.8	66.2	65.93	18.1	12.8	8.8	14.2	18.1	14.8	15.70	12.0	14.6	12.9
21	66.1	64.6	64.8	65.17	18.2	12.7	8.2	14.3	16.6	16.5	15.80	11.4	13.5	12.2
22	65.8	65.3	67.0	66.03	15.9	13.6	10.6	14.9	15.9	14.8	15.20	9.2	10.4	9.9
23	69.5	69.0	70.6	69.70	15.9	10.6	3.9	12.2	15.6	12.2	13.33	6.9	10.1	5.9
24	71.7	71.2	71.2	71.37	15.3	9.9	3.7	11.4	14.6	11.4	12.47	7.6	10.6	9.0
25	70.8	68.3	67.4	68.83	15.4	9.9	4.3	11.9	15.3	12.7	13.30	8.3	12.6	12.3
26	61.9	60.1	61.1	61.03	15.7	11.1	11.4	13.3	14.6	15.5	14.47	13.9	13.8	13.3
27	62.9	63.2	64.9	63.67	13.7	11.7	8.2	12.7	13.9	11.1	12.57	8.8	10.8	9.3
28	66.0	63.6	63.7	64.30	15.4	9.3	5.1	11.0	15.1	12.6	12.90	9.3	11.4	10.1
29	61.2	60.9	62.2	61.43	17.0	10.3	3.9	13.5	16.5	13.8	14.60	9.1	14.4	10.9
30	63.8	63.9	65.9	63.53	15.7	11.6	6.1	13.7	15.8	13.8	14.10	9.7	12.9	12.2
31	68.6	68.0	68.1	68.23	16.3	10.9	5.7	12.9	15.9	13.4	13.97	10.4	12.7	10.7
M	765.05	764.21	764.89	764.72	17.21	12.08	7.85	14.07	16.40	14.23	14.90			

Date	Elasticity of vapour Millimeters 8½	2½	8½	mean	Relative Moisture per cent. 8½	2½	8½	mean	Clouds. Clear — 0 Overcast — 10 8½	2½	8½	mean	Direction and force of Wind 0 — 10 8½	2½	8½	Sea	Bright Sunshine hrs.	Condition Weather Symbols 8½	2½	8½	Further Daily Notes
1	9.0	10.0	9.5	9.50	78	78	72.0		10n	10n	9n	9.7	S3	S1	S1	calm	6.2	r	r	r	Thunderstorm
2	10.0	9.2	9.2	9.49	60	70	70.0		1cu	0	0	0.3	SE1	N3	SE1	«	8.2	b	b	b	
3	6.1	10.1	10.3	9.17	64	68	62.7		0	9ci	9ci	6.0	S1	NW1	NW1	«	7.6	"	b	0	
4	7.7	8.7	9.4	8.60	47	59	52.0		10cu	7cu-ci	1cu	6.0	0	N2	SE1	«	6.8	0	c	b	
5	9.0	12.0	12.3	11.39	67	82	68.3		8cu-ci	0	0	2.7	0	W1	0	"	7.4	c	b	"	
6	9.9	11.1	11.7	10.90	65	84	71.7		9cu	10n	10n	9.7	S1	SW2	SW3	"	1.8	0	r	r	
7	7.9	10.5	8.6	9.00	93	72	72.3		9cu	10n	8n	9.0	SW3	S1	NE1	"	1.3	"	"	"	
8	8.9	9.2	9.7	9.27	61	79	68.3		8cu	7cu	0	5.0	W2	W1	SE1	«	5.6	c	c	b	
9	8.9	9.2	10.6	9.27	58	90	74.0		2cu	8cu	10n	6.7	SE1	W2	SW1	"	3.5	bc	"	r	
10	9.0	9.6	8.3	9.23	81	76	81.0		10n	10n	10n	10.0	S1	S1	S2	v. slight	0.3	r	r	"	
11	8.2	8.8	8.0	8.33	65	74	71.7		10n	7cu	2cu	6.3	S1	S1	S1	calm	4.0	"	c	bc	
12	8.9	10.9	10.9	10.25	91	84	83.7		10cu	10n	10n	10.0	0	0	S3	"	0.0	0	r	r	
13	9.8	9.9	10.0	9.90	78	92	85.7		10n	10n	1cu	7.0	S1	SW3	SE1	v. slight	0.7	r	"	b	2 P M. Heavy hail storm
14	7.7	6.8	7.1	7.20	52	70	64.3		1cu	7cu-ci	9cu	5.7	S1	0	SE1	calm	5.4	b	c	0	
15	6.9	10.1	7.8	8.27	58	75	65.7		10cu	7cu	7cu	8.0	S1	NW1	SE1	"	4.3	0	"	c	
16	7.4	8.4	7.8	7.87	65	66	66.3		7cu	10cu	10cu	9.0	SE1	SE1	SE1	"	3.6	c	0	0	
17	9.9	8.8	8.4	9.03	59	70	64.3		0	0	0	0.0	SE1	S1	SE1	"	7.4	b	b	b	
18	7.3	9.1	8.4	8.27	57	64	60.7		0	0	0	0.0	0	0	0	"	7.6	"	"	"	
19	7.4	9.3	9.6	8.77	60	69	63.0		0	10ci	10ci	6.7	0	N2	NE2	«	6.3	"	0	0	
20	9.2	10.3	10.0	9.83	67	69	74.3		0	5cu	7cu	4.0	SE1	SW1	S..1	«	7.6	"	c	c	
21	8.5	9.7	8.3	8.83	69	59	66.0		1cu	9cu	1cu	3.7	SE1	0	NE1	«	4.4	"	0	b	few drops at 2 P. M.
22	6.2	6.8	6.9	6.64	51	55	51.3		0	0	0	0.0	N5	N4	N1	rough	7.1	"	b	"	
23	5.2	6.7	4.6	5.50	51	43	47.7		1cu	0	0	0.3	SE1	S1	SE2	calm	7.1	"	"	"	
24	6.0	7.5	7.3	6.93	60	72	64.3		1cu	2cu	0	1.0	SE2	N2	SE2	"	6.7		bc	"	
25	6.4	9.3	10.4	8.70	71	95	76.0		7cu-ci	10cu	10n	9.0	SE1	SW2	0	«	4.4	c	0	r	
26	10.8	11.3	10.0	10.70	90	76	86.7		10n	10n	10cu	10.0	S2	S1	N1	v. slight	0.0	r	r	c	
27	6.6	8.0	7.7	7.43	68	78	68.7		0	0	0	0.0	N5	N3	0	rough	7.2	b	b	b	
28	7.9	8.1	7.8	7.93	64	73	72.3		1cu	9cu	1cu	3.7	S1	0	S1	calm	6.5	"	0	"	
29	6.6	7.5	8.2	7.43	53	69	59.3		1cu-ci	10cu	6cu	6.7	S1	NE1	S1	"	3.4	bc	"	c	
30	7.4	9.4	9.6	8.80	70	81	72.7		0	0	0	0.0	S1	N2	S1	"	7.3	b	b	b	
31	7.7	9.1	8.2	8.33	67	73	69.7		9cu	7cu	0	5.3	S1	W2	0	"	6.4	0	c	"	
																	148.9				
M	8.04	9.23	8.92	8.73	65.84	73.39	68.51		4.81	6.26	4.55	5.21					4.80				

		December	
Barometer	Maximum	771.7 on	24
"	Minimum	759.4 on	6
Thermometer	Maximum	22.2 on	5
"	Minimum	9.3 on	28
Lowest	on Grass	3.7 on	24
Rainfall	Maximum	49.8 on	26

No. of days with:
rain 12....
thunderstorms 1 ....
fog ....
gale ....

Number of Daily Wind Observations.

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8½ A. M	10	—	—	10	17	3	2	—	5	47
2½ P. M	18	1	—	1	7	8	6	2	5	48
8½ P. M	5	4	—	13	10	4	—	1	5	42
Totals	33	5	—	24	34	15	8	3	15	137

Height of Barometer above sea level 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 meters; Max. 1.75; Min. 1.70 meters
Height of Rim of Rain Gauge:
Above ground 0.56 meters; above sea level 30.31 meters

RAINFALL IN SYRIA

Station	Sept. in	Oct. in	Nov. in	Dec. in	Total in	Observer	
Sidon	-	4.58	6.97	9.90	21.45	S. D. Jessup	Gerard Institute
Râs Beirût	–	6.34	7.09	9.54	22.97	Z. M. Heikal	S. P. College
Beirût	–	7.08	7.62	9.09	23.79	Miss Black	Beit Black
'Asfûrîyeh	–	5.94	4.03	7.16	17.13	Th. Waldmeier	Hospital
'Ainâb	0.14	6.48	7.67	11.40	25.69	Dr. Van Dyck	Broomielaw
Sûk-ul-Gharb	0.10	6.73	7.47	10.77	25.07	Wm. Freidinger	Boys High School
'Aleih	–	6.76	8.20	12.12	27.08	J. K. Ma'âṣiri	American Quarter
Brummâna	–	5.45	4.43	6.46	16.34	T. Salîba	High School
Shweir	-	7.62	7.00	12.77	27.39	Miss J.C.Somerville	Boys High School
Zaḥleh	–	3.68	2.63	10.00	16.31	Amin'Abbûd	Boys School
Ksara	–	3.01	1.90	7.79	12.70	B. Berloty	Observ de Ksara
Ḥums	–	0.96	1.01	5.29	7.26	H. A. Fâris	S. P. Institution
Damascus	–	1.87	0.18	1.69	3.74	Dr. MacKinnon	Victoria Hospital

RAINFALL IN SYRIA IN DECEMBER 1912.

December	Sidon	Râs Beirût	Beirût	'Asfûrîyeh	'Ainâb	Sûk-ul-Gharb	'Aleih	Brummâna	Shweir	Zaḥleh	Ksara	Ḥums	Damascus
1	0.67	0.71		0.54	0.11	0.99	0.89	0.76		0.66	0.60	0.66	0.03
2	0.75	0.07	0.85		0.80	0.18	0.12		1.58				
3													
6		0.39				0.08	1.56	0.57		1.32	0.60		0.15
7	0.77	0.79	0.41	1.30	0.37	1.29		0.73	1.06	1.00	1.03	0.75	0.25
8	1.37	0.29	0.93	0.27	1.47	0.48	0.31	0.27	1.29	0.31	0.29	0.24	
9	0.09	1.21	0.06		0.15	0.01	0.11	0.26	0.18	0.48	0.41	0.03	
10	0.60	1.26	0.74	0.51	0.60	0.34	1.00	0.71	0.60	1.31	1.08	0.57	
11	0.09	0.43	1.27	0.89	1.10	0.78	1.08	0.16	1.04		0.05		
12	0.08	1.32	0.05		0.19	0.14		0.93	0.19	0.86	0.55		
13	1.38	1.96	1.65	1.75	2.22	1.82	3.00	0.82	1.42	1.08	0.91	0.18	0.14
14	0.70		1.12	0.34	0.64	0.03			2.08			0.29	
15			0.01										
21								0.03				0.30	
22	0.05												
25		0.15				0.10		0.52			0.79		
26	1.46	1.96	1.20	0.15	1.53	3.40	3.15	0.70	3.05	2.98	1.48	2.17	0.92
27	1.89		0.79	0.41	2.22	0.13	0.90		0.28			0.10	
31													
Total inches	9.90	9.54	9.09	7.16	11.40	10.77	12.12	6.46	12.77	10.00	7.79	5.29	1.69