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METEOROLOGICAL OBSERVATIONS

1919.

Long. 14° 30' 38" W.

Time: 0 h. 58' 3" ahead of Greenwich.

Temperature Scale used below: Fahrenheit.

STATION—VALLETTA, MALTA.

Lat. 35° 53' 48". Long. 14° 30' 38".

Hour of Observation. 0700 G. M. T.

Height above M. S. L.

Height above ground

Barometer
Cistern... 193 ft.

— 64 ft.

Stevenson Screen
Site ... 197 ft.

Bulbs ... 71 ft.

Raingauge
Site ... 194 ft.

Rim ... 8/12 ft.

Anemometer
Head: ... 207 ft.

78 ft.

1919	Mean Pressure		Temperature 0700 G.M.T.	Humidity			Amount of Cloud 0-10	Number of days of		Wind—Number of observations											
	At Station Level at hours of observation	Different from Normal		Depression of Wet Bulb	Vapour Pressure	Percentage		Clear sky	Overcast	Wind Force 3 and above	Strong Wind (4-7)	Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
	mb.	mb.	'0	mb.	%																
January ...	1010.5	- 7.1	54.0	1.4	12.9	89.8	7		12	—	8	5	1	3	—	4	2	5	—	9	
February ...	1009.1	- 6.5	54.6	1.8	12.5	84.0	7		13	—	10	2	1	3	1	1	—	4	2	14	
March ...	1011.8	- 3.3	57.6	3.0	13.2	83.0	5	3	8	—	7	3	—	2	4	1	2	9	1	9	
April ...	1011.3	- 2.1	59.9	3.0	14.6	82.0	5	3	4	—	9	1	1	1	1	1	2	6	7	10	
May ...	1014.0	- 1.5	62.6	5.3	15.2	82.0	5	4	5	—	5	1	6	—	2	4	1	3	2	11	
June ...	1016.9	+ 0.4	73.1	3.9	22.0	79.0	1	6	2	—	3	2	4	3	3	3	—	2	5	8	
July ...	1014.7	- 1.8	76.6	7.5	22.3	73.0	8	16	3	—	3	3	3	3	2	5	1	2	—	12	
August ...	1016.0	- 0.7	77.6	5.0	24.0	76.4	2	15	—	—	1	3	1	4	—	2	—	2	3	16	
September ...	1015.7	- 2.2	75.5	6.4	23.0	77.6	5	1	5	—	1	5	4	3	3	5	2	2	—	6	
October ...	1016.7	- 0.8	68.9	5.8	17.6	73.2	6	—	8	—	7	5	—	1	1	—	1	6	4	12	
November ...	1018.5	+ 0.1	61.8	3.2	15.2	80.0	7	1	8	—	9	3	2	—	—	5	1	7	2	10	
December ...	1016.0	- 1.1	54.6	4.7	11.5	81.0	6	1	3	1	9	2	1	2	2	3	—	2	2	17	
Year Totals	53	71	1	72	36	24	25	19	34	12	50	30	134
Year Means ...	1014.3	- 2.2	64.7	4.2	17.0	80.1	5	...	...	...	...	...	...	...	...	...	...	...	...	...

Summary of Observations at fixed hours, Year 1919.

STATION—VALLETTA, MALTA.

Lat. $35^{\circ} 53' 48''$

Observation at 0700 G.M.T.

Height { site of rain-gauge
above Mean Sea Level } H = 184 ft.

Heights { above ground } Therms $h_1 = 71$ ft; Sun Recorder, $h_2 = 70$ ft; Rain-gauge $h_3 = 59$ ft

1919	Air Temperature in Degrees Fahrenheit											High- est Wet Bulb	Rainfall				Weather, Number of day of						Bright Sunshine							
	Means of		Max. and Min. Com- bined	Diff. from normal	Absolute Extremes								Total	Diff. from normal	Max.	Day	Precipitation	Diff. from normal	Snow	Hail	Thunder-storms	Fog	Ground-frost	Gale force 8 or more	Daily mean	Total	Per Centum	Total possible		
	Max.	Min.			High- est Max.	Day	Low- est Min.	Day	Low- est Max.	Day	High- est Min.																		Day	
January ...	59.3	50.9	55.1	+1.6	64.4	2nd 3rd	40.0	21st	52.5	26th	59.0	7th	59.4	91.10	+10.42	17.02	20	18	+4	-	2	3	-	-	-	-	4.1	127.1	43	305
February ...	60.4	51.0	55.7	+2.8	69.4	18th 19th	44.0	11th	52.7	11th 12th	57.0	17th 18th	56.3	30.73	-3.77	16.26	15	12	-1	-	1	2	-	-	-	4.8	134.4	45	300	
March ...	64.2	52.7	58.4	+3.0	75.2	9th	44.0	20th	54.1	20th	58.0	27th 28th	62.2	59.62	+8.89	12.19	19	7	-1	-	1	3	-	-	-	6.8	210.8	58	365	
April ...	65.9	55.4	60.7	+1.5	84.2	5th	51.0	27th	57.6	25th	65.0	5th	63.7	21.51	-2.03	17.27	21	3	-3	-	1	1	-	-	-	8.6	258.0	67	387	
May ...	67.4	57.3	62.3	-2.5	77.0	21st	49.0	2nd	59.0	2nd	62.0	16th 20th	64.4	24.48	+3.05	6.86	27	6	+3	-	-	3	-	-	-	9.1	282.1	67	420	
June ...	80.6	65.9	73.2	+2.0	95.0	24th	61.0	1st 2nd	69.8	1st	72.0	24th 28th	73.4	-	-0.04	-	-	-	-1	-	-	-	-	-	-	10.9	327.0	76	427	
July ...	84.4	70.9	77.6	+0.8	103.6	13th	67.0	17, 19, 20th	74.3	18th	76.0	8th	77.0	-	-0.04	-	-	-	-	-	-	-	-	-	-	11.3	349.9	74	475	
August ...	83.4	71.1	77.7	-0.2	90.5	31st	68.5	8th	76.1	1st	75.6	19th	75.2	-	-0.13	-	-	-	-	-	-	-	-	-	-	11.2	347.2	84	415	
September ...	82.0	70.7	76.3	+1.6	87.8	16th	65.5	25th	77.5	7th	78.0	4th	75.0	10.67	-2.35	10.67	20	1	-3	-	1	3	-	-	-	8.2	246.0	67	369	
October ...	75.2	64.4	69.8	-0.1	91.0	14th	50.5	24th	62.4	19th	74.5	14th	73.9	25.15	-8.153	10.67	3	4	-4	-	-	4	-	-	-	6.5	195.5	36	346	
November ...	68.0	58.2	63.1	+0.9	80.2	7th	48.0	19th	60.3	23rd	67.0	16th	69.1	52.06	-5.34	71.65	2	3	-8	-	-	3	-	-	-	5.9	177.0	38	304	
December ...	59.7	52.1	55.9	-0.3	68.5	1st	45.0	11th	52.9	12th	65.0	1st	62.6	73.91	-20.07	24.15	11	10	3	-	3	2	-	-	-	4.7	145.7	52	282	
Totals ...	...	...	...	...	...	...	...	...	...	...	...	...	...	399.55	...	...	...	66	...	...	9	25	...	...	...	...	280.0	...	4395
Means ...	70.9	60.1	65.5	+0.9	...	...	...	...	...	...	...	...	...	...	-11.6	...	...	...	-1.2	...	...	...	...	...	...	7.6	...	62	...
Extremes ...	...	...	...	...	103.6	13th July	40.0	1st Jan.	52.5	26th Jan.	78.6	4th Sept.	77.0	...	...	24.13	11 Dec.	...	...	...	...	...	...	...	...	...	...	...	...

Climatological summary.

Summary of Meteorological Observations in Malta, 1919.

Station at ARGOTTI, FLORIANA.

1919	Bar.	Dry Bulb	Wet Bulb	Max.	Min.	Mean	Abs. Max.	Day	Abs. Min.	Day	Rainfall	No. of Days	Greatest Fall	Day
January	29.890	52.2	50.1	58.7	47.3	53.0	65.7	1st	44.0	31st	3.93	15	0.80	8th
February	29.886	54.3	52.6	59.1	53.4	56.2	70.0	20th	44.0	12th	1.43	7	0.90	15th
March	29.982	55.9	53.4	64.7	56.8	60.7	75.2	26th	42.0	20th	1.64	6	0.53	15th
April	29.953	58.8	56.5	67.4	58.7	63.0	72.0	2nd	44.0	26th	1.05	2	0.88	20th
May	30.022	62.8	59.1	69.1	61.3	65.2	77.5	20th	45.0	2nd	0.48	2	0.37	26th
June	30.077	73.4	70.2	80.5	64.8	72.6	89.0	28th	53.0	4th	...	...	...	...
July	29.998	75.2	71.4	85.6	75.4	80.5	90.0	13th	59.0	20th	...	...	...	...
August	30.052	78.8	72.6	84.8	67.3	76.1	90.0	4th	64.0	11th	...	...	...	...
September	30.047	74.2	71.4	81.6	66.8	74.2	86.0	15th	61.0	18th	0.44	2	0.37	19th
October	30.037	67.3	64.2	74.8	61.6	68.2	90.0	17th	49.0	29th	0.96	4	0.41	9th
November	29.998	60.2	57.0	66.8	55.8	61.3	75.0	8th	45.0	23rd	3.08	6	2.30	2nd
December	30.034	51.6	49.4	58.2	47.8	53.0	70.0	1st	42.0	11th	3.22	14	0.90	10th
Sums ... ..	...	...	...	...	...	...	...	...	...	...	16.23	58	...	...
Means	29.998	65.7	60.7	70.9	59.8	65.3	...	...	...	...	...	...	...	...
Extremes ... ..	...	...	...	...	...	...	90.0	July 13 Aug. 4, 15 Oct. 17	42.0	Mar. 20 Dec. 11	...	...	...	2.30 Nov. 2

Station at CASAL LIA.

January	29.864	51.6	49.4	57.7	46.6	52.1	64.4	6th	41.0	17th	4.45	16	0.73	8th
February	29.878	54.1	51.5	59.0	50.0	54.5	66.0	16th	40.6	8th	1.84	7	1.00	12th
March	29.975	56.8	53.3	65.0	49.5	57.2	77.7	7th	42.7	20th	1.36	6	0.47	18th
April	29.932	61.6	56.5	68.8	52.3	60.3	83.1	5th	41.0	25th	1.13	4	0.80	20th
May	30.009	62.9	58.1	70.5	53.5	62.0	81.6	16th	48.2	2nd	0.79	2	0.62	28th
June	30.078	74.1	67.3	83.8	63.0	73.5	90.7	27th	57.9	8th	...	...	...	...
July	29.995	78.3	71.2	86.3	67.8	77.0	100.0	13th	61.9	19th	...	...	...	...
August	30.056	77.9	72.9	87.1	68.8	77.9	94.7	29th	65.3	13th	...	...	...	...
September	30.052	74.4	70.2	81.5	67.4	74.4	88.5	16th	62.0	4th	0.93	2	0.60	19th
October	30.031	67.2	63.3	74.6	61.0	67.8	92.0	14th	50.0	21st	1.24	4	0.45	22nd
November	30.009	60.0	57.8	66.1	54.4	60.2	75.8	6th	44.0	19th	4.50	3	3.16	1st
December	30.007	51.8	49.5	58.0	47.5	52.7	67.6	1st	41.0	21st	2.44	12	0.86	10th
Sums ... ..	...	...	...	...	...	...	...	...	...	...	14.18	53	...	...
Means	29.989	64.2	60.1	71.5	56.8	64.1	...	...	...	...	...	...	...	...
Extremes ... ..	...	...	...	...	...	...	100.0	July 13th	40.6	Feb. 8th	...	...	...	1.00 Feb. 12th

Summary of Meteorological Observations in Malta, 1919.

Station at ZEITUN.															
1919	Bar.	Dry Bulb	Wet Bulb	Max.	Min.	Mean	Abs. Max.	Day	Abs. Min.	Day	Rainfall	No. of Days	Greatest Fall	Day	
January	29'915	53'4	50'9	58'8	47'5	53'1	65'5	7th	41'0	17th	4'26	13	0'85	20th	
February	29'925	54'7	52'5	58'5	49'1	53'8	64'5	10th	40'5	10th	0'50	2	0'40	14th	
March	30'005	55'7	52'7	61'7	50'2	56'9	74'8	8th	43'5	3rd 20th	1'68	5	0'80	16th	
April	29'949	59'7	55'9	66'7	52'4	59'5	75'0	6th	45'0	25th	1'04	3	0'74	21st	
May	30'046	62'2	58'4	69'3	54'4	61'8	79'5	21st	48'5	2nd	0'51	1	0'12	17th	
June	30'092	72'9	66'9	81'1	63'5	72'3	89'0	26th	57'5	8th	...	...	...	...
July	30'023	76'4	71'4	85'3	68'1	76'7	96'0	14th	62'5	20th	...	...	...	...
August	30'043	78'0	72'6	85'1	66'8	75'0	92'0	30th	61'8	13th	...	...	...	...
September	30'045	74'3	70'7	81'4	66'6	74'0	87'0	18th	59'5	4th	0'36	1	0'36	19th	
October	30'035	67'0	63'0	75'6	61'0	68'3	90'5	14th	46'5	25th	1'30	3	0'22	10th	
November	29'997	59'9	57'6	67'0	54'7	61'5	77'8	7th	45'0	19th	3'14	5	2'39	2nd	
December	30'029	51'6	49'3	59'2	47'5	53'5	69'0	2nd	39'5	28th	2'86	10	0'43	10th	
Sums	...	...	...	...	...	...	...	...	...	...	15'65	43	2'39	Nov. 2nd
Means	30'008	63'8	60'2	71'0	56'8	63'9	...	...	...	...	...	...	...	...
Extremes	...	...	...	...	...	...	96'0	July 14th	39'5	Dec. 28th	...	...	...	...

Station at ZURRICO.

January	29'895	52'1	49'6	58'1	48'2	53'1	65'0	3rd 7th	43'0	20th	3'89	15	0'80	20th
February	29'892	53'1	50'6	58'1	49'5	53'8	66'5	19th	38'5	10th	1'79	9	1'05	15th
March	29'957	55'6	52'4	63'9	50'5	57'2	75'0	28th	42'0	20th	1'10	8	0'29	20th
April	29'965	60'2	55'6	67'5	52'6	60'0	75'5	16th	45'5	25th	1'16	4	0'75	21th
May	30'029	62'9	58'2	69'8	51'3	62'0	75'0	20th	47'5	2nd	0'71	4	0'30	29th
June	30'079	74'3	67'5	81'0	64'2	72'6	86'0	26th	61'0	11th	...	...	...	...
July	30'020	77'7	70'5	85'2	68'6	76'9	96'0	13th	62'5	18th	...	...	...	...
August	30'055	78'2	72'2	86'3	70'0	78'1	92'0	30th	66'8	11th	...	...	...	...
September	30'040	74'3	70'1	81'3	68'0	74'6	87'0	18th	64'0	4th	0'92	2	0'62	19th
October	30'052	67'6	63'0	75'5	62'5	69'0	89'0	15th	51'5	19th	0'62	4	0'20	29th
November	30'040	59'9	57'5	67'4	55'5	61'4	75'2	16th	45'0	19th	4'02	2	3'05	...
December	30'031	51'4	49'1	59'6	48'3	53'9	69'8	3rd	42'5	23rd	2'19	12	0'55	10th
Sums	...	...	...	...	...	...	...	...	...	...	16'40	60	...	...
Means	30'004	63'9	59'7	71'1	57'7	64'4	...	...	...	...	...	...	...	...
Extremes	...	...	...	...	...	...	96'0	July 13th	38'5	Feb. 10th	...	...	1'05	Feb. 15th

Summary of Meteorological Observations in Malta, 1919.

Station at NAXARO.															
1919	Bar.	Dry Bulb	Wet Bulb	Max.	Min.	Mean	Abs. Max.	Day	Abs. Min.	Day	Rainfall	No. of Days	Greatest Fall	Day	
January	29.895	52.4	50.0	59.2	46.1	52.6	64.5	7th	40.0	29th 31st	4.26	18	0.62	9th	
February	29.916	53.9	51.7	58.9	46.9	52.9	67.7	18th	39.9	12th	2.22	11	1.40	15th	
March	29.957	56.3	53.5	66.7	47.7	57.2	70.0	29th	39.0	20th	1.49	7	0.48	19th	
April	29.961	58.9	56.3	65.4	49.3	57.3	70.0	6th	41.5	19th	1.09	2	0.97	21st	
May	30.042	60.5	58.7	65.7	51.5	58.6	73.0	20th	45.0	2nd	0.80	5	0.40	27th	
June	30.430	68.9	68.4	78.9	61.7	70.3	88.7	29th	57.3	10th	...	...	...	...
July	30.019	75.5	72.5	81.9	65.8	73.8	88.5	12th	61.5	20th	...	...	...	...
August	30.042	76.4	74.3	82.8	51.9	67.3	88.5	13th	64.0	12th 13th	...	...	...	...
September	30.054	73.5	72.2	80.2	65.0	72.6	85.0	22nd	60.0	24th	0.65	3	0.39	20th	
October	30.045	67.7	64.7	73.8	59.6	66.7	79.5	1st	49.5	23rd	1.11	4	0.50	23rd	
November	30.040	60.7	58.3	66.4	52.0	59.2	78.0	16th	42.5	19th	5.75	9	4.20	1st	
December	30.038	53.1	51.2	59.2	47.2	53.2	68.3	1st	39.5	11th	2.07	9	0.64	10th	
Sums	...	...	...	...	...	...	...	...	...	...	19.44	68	...	...
Means	29.956	63.1	61.0	69.9	53.7	61.8	...	...	...	...	...	...	...	...
Extremes	...	...	...	...	...	...	88.3	July 12 Aug. 13	39.0	March 20th	...	...	4.20	Nov. 1st