

METEOROLOGICAL OBSERVATIONS.

1923.

Main Features of the Weather Experienced during the Year.

The highest temperature at the Valletta Station was 99.3°F on the 20th July.

In the country, the highest temperature was registered at Casal Lia where on the 20th August the thermometer rose up to 105.5.

The black thermometer in vacuo, on the 19th August registered a temperature of 146.8°

The mean maximum temperature for the months of June, July and August was 75.7°

The mean minimum temperature for the months of January and February was equal to 52.9°.

In the country, the lowest temperature was registered at Naxaro, where on the 20th January, the thermometer came down to 36°.

The prevailing winds were the westerly ones; the N.W. and the N.N.W. heading the list. Very much less frequent were the S., S.S.W. and the N.N.E. winds. The least frequent of all were the N.E. winds.

The mean rainfall was 18.26 inches against 11.85 of the previous year. The number of rain days was 89 against 71 of the previous year. No rain fell during the months of July and August. The mean rainfall as deduced from the latest observations is equal to 21.5 inches.

The relative humidity varied from a maximum of 100% to a minimum of 36%. The mean relative humidity was equal to 75 $\frac{1}{2}$ %. During the first and last months of the year, the mean relative humidity reached its highest values whilst the lowest value was registered during the month of July.

STATION—VALLETTA, MALTA.

 $\lambda = 14^{\circ} 30'$ $\phi = 35^{\circ} 53'$

H = 185 ft.

Months	Mean Pressure	Air Temperature										Tension of Vapour				Relative Humidity			
		8 a.m.	2 p.m.	7 p.m.	Mean	Means of		Absolute Min. and Max.				8 a.m.	2 p.m.	7 p.m.	Mean	8 a.m.	2 p.m.	7 p.m.	Mean
						Min.	Max.	Min.	Hum.	Max.	Date								
January ...	30.267	51.1	54.1	52.2	52.5	40.0	56.0	43	19th	59	1. 4. 7	0.315	0.329	0.328	0.324	83	78	83	81
February ...	30.285	52.9	55.6	51.9	54.5	51.2	58.3	47	15. 26	62	19. 24	0.344	0.354	0.352	0.350	85	77	84	82
March ...	30.271	54.6	58.6	53.0	56.1	52.0	60.0	49	1 & 12 13	66	29th	0.339	0.345	0.340	0.341	79	69	78	75
April ...	30.118	59.2	62.6	59.2	60.5	55.5	64.4	49	6th	78	22nd	0.370	0.369	0.367	0.371	77	67	76	73
May ...	30.226	66.0	69.6	61.0	65.9	61.7	71.8	56.6	1st	79	26th	0.483	0.507	0.498	0.496	75	70	75	73
June ...	30.163	68.9	70.5	69.7	69.6	61.5	75.0	60.7	21st	86.5	2nd	0.522	0.485	0.466	0.498	78	61	67	66
July ...	30.201	77.3	82.1	78.5	79.3	72.5	84.7	65.0	6th	95.3	20th	0.610	0.643	0.655	0.636	69	57	68	65
August ...	30.096	78.6	82.7	78.5	80.3	74.5	84.5	70.6	18th	88.9	2nd	0.707	0.708	0.725	0.713	71	60	73	69
September	30.237	74.7	75.7	74.8	74.9	71.0	79.0	65.6	23rd	86.7	1st	0.620	0.627	0.634	0.630	74	64	73	71
October ...	30.274	69.5	71.4	70.1	71.3	67.0	76.0	61.9	21. 22	81.0	3th	0.526	0.524	0.544	0.531	73	61	73	69
November	30.246	65.1	66.5	65.4	66.5	63.0	70.0	56.9	12th	76.8	4th	0.464	0.472	0.492	0.476	76	68	78	74
December	30.275	55.9	58.9	56.0	57.0	54.0	60.0	39.3	22nd	68.2	1st	0.346	0.341	0.326	0.342	77	69	74	73
Year ...	30.221	64.4	67.8	64.7	65.7	61.4	70.0	39.5	22nd Dec.	99.3	20th July	0.472	0.475	0.479	0.476	76	67	75	71

 λ = The longitude of the station. ϕ = The latitude of the station.

H = Height above mean sea level.

STATION—VALLETTA, MALTA.

Ht. = 71.

hr. = 54.

Months	Amount of Cloud				Rainfall			Weather No. of Days of							Wind No. of Observations of								
	8 a.m.	2 p.m.	7 p.m.	Mean	Total	Max.	Date	Fog	Sun	Hail	Thunder storms	Clear Sky	Overcast	Calms	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calms
January ...	8	8	5	7	4.05	0.76	23rd	19	1	2	1	...	6	1	1	5	2	1	3	6	2	11	...
February ...	6	7	6	6	3.79	1.10	25th	17	...	3	1	...	3	3	1	...	...	1	...	7	1	18	...
March ...	7	7	5	6	0.89	0.21	22nd	7	...	2	...	...	4	1	1	5	5	4	...	3	3	10	...
April ...	5	5	5	5	1.15	0.31	4th	7	...	1	1	5	5	1	...	3	4	5	...	7	...	11	...
May ...	5	4	4	4.3	0.06	0.04	23rd	2	...	...	1	8	3	...	3	9	1	2	2	...	12	...	
June ...	4	5	4	4.3	0.03	0.02	22nd	1	...	...	1	6	1	...	2	3	1	3	3	1	1	16	...
July ...	...	1	1	0.6	...	...	...	...	...	...	...	5	...	...	6	8	3	...	...	...	2	12	...
August ...	2	1	1	1.3	...	...	...	...	...	...	...	19	...	...	5	...	1	2	2	2	19	...	
September	4	4	3	3.6	0.53	0.37	13th	2	...	...	1	7	...	...	3	5	1	6	...	1	2	12	...
October ...	4	4	1	3	0.08	0.06	9th	2	...	...	...	11	...	...	2	2	1	7	...	8	2	9	...
November	7	8	5	7	3.74	1.80	7th	10	...	...	1	...	7	2	1	...	1	6	2	11	1	8	...
December	7	6	4	6	3.94	0.95	22nd	21	1	3	3	...	2	4	...	...	...	1	2	4	8	16	...
Year ...	5	5	3	4.3	18.26	1.80	7th Nov.	67	2	11	10	24	11	12	20	45	19	37	14	52	24	154	...

Ht = Height of the Therms. above the ground in feet.

hr. = Height of the Raingauge above the ground in feet.