

METEOROLOGICAL OBSERVATIONS.

1922.

Main Features of the Weather Experienced during the Year.

The highest temperature at the Valletta Station was 89.4 on the 11th August.

In the country, the highest temperature was registered at Casal Lia where on the 11th August it came up to 106.

The black thermometer in vacuo, on the 11th August registered a temperature of 146.8

The mean maximum temperature for the months of June, July and August was 77.3

The mean minimum temperature for the months of January and February was equal to 54.5

In the country, the lowest temperature was registered at Notabile, where on the 6th January, the temperature came down to 38.2

The prevailing winds were the N.W. Next in order of frequency were the S.W. and W. The E. winds were the least frequent of all. The greatest number of calm days taken in order of frequency were noticed during the months of October, September, April, August and November.

The mean rainfall was 11.85 inches against 19.52 of the previous year. The number of rainy days was 71 against 86 of the previous year. The highest rainfall over the Island was registered during the month of January and it was equal to 3.64 inches. 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. In 1898 a rainfall of 29.17 inches was recorded and in 1815 only 11.38 inches came down.

The mean relative humidity varied from a maximum of 85% and a minimum of 55%. The mean relative humidity was equal to 70 $\frac{1}{2}$ %. During the months of May, June, and July the relative humidity reached its lowest limits whilst the highest values and in order of frequency were noticed in October, September, April, August and November.

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.	4 p.m.	7 p.m.	Mean	Means of		Absolute Min. and Max.						8 a.m.	4 p.m.	7 p.m.	Mean	8 a.m.	4 p.m.	7 p.m.	Mean		
						Min.	Max.	Min.	Date	Max.	Date												
January ...	29.898	52.2	56.4	53.3	53.9	50.6	57.5	40.6	6th	64.6	31st	0.331	0.541	0.333	0.335	p. 0.001	83	p. 0.001	74	p. 0.001	81	p. 0.001	79
February ...	29.974	54.0	57.9	55	55.4	54.0	59.0	46.0	9th	64.0	5, 6, 7	0.340	0.350	0.353	0.348	80	75	79	78				
March ...	30.066	57.4	62.1	58.7	59.4	54.0	62.0	47.0	4th	75.0	23rd	0.362	0.349	0.377	0.363	76	62	75	71				
April ...	29.989	61.0	65.5	61.8	62.8	57.0	68.0	44.0	21th	80.0	28th	0.382	0.371	0.377	0.377	71	58	68	66				
May ...	30.027	65.7	70.5	66.6	67.6	61.0	72.0	52.0	4th	80.0	27th	0.447	0.425	0.457	0.441	70	57	68	65				
June ...	29.967	73.5	77.7	74.1	75.0	69.0	80.0	67.3	4th	81.3	8th	0.557	0.521	0.548	0.542	67	55	64	62				
July ...	29.989	75.6	79.8	77.7	77.7	69.0	89.0	72.1	3rd	84.7	12th	0.631	0.610	0.604	0.615	71	59	63	64				
August ...	29.963	79.3	83.6	80.4	81.1	75.0	86.0	75.7	1, 21	88.9	11th	0.683	0.672	0.674	0.676	68	58	65	64				
September	29.829	74.7	78.9	74.9	76.2	71.1	80.5	66.0	19th	90.0	12th	0.639	0.624	0.633	0.632	73	62	71	69				
October ...	29.979	69.9	73.1	70.4	71.1	67.0	75.0	61.0	16th	85.0	22, 23	0.597	0.589	0.591	0.592	81	65	79	75				
November	30.013	59.6	61.8	60.0	60.5	57.0	64.0	45.0	29th	76.0	1st	0.408	0.413	0.440	0.421	76	71	77	75				
December	30.045	53.5	57.1	54.5	55.0	53.0	58.0	46.0	12th	63.0	1st	0.351	0.353	0.353	0.352	85	70	82	79				
Year ...	29.978	64.7	68.6	65.6	66.3	61.3	70.9	40.6	6th Jan.	90.0	12th Sept.	0.477	0.468	0.478	0.475	75	64	73	70				

 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.	4 p.m.	7 p.m.	Mean	Total	Max.	Date	Fog	Snow	Hail	Thunder Storms	Clear Sky	Overcast	Gales	S.	S.E.	E.	S.W.	W.	N.W.	Calms		
January ...	7	7	6	7	3.64	0.59	6th	20	...	3	3	...	6	1	1	2	1	4	1	7	8	7	...
February ...	6	6	5	6	0.94	0.28	24th	9	...	1	...	3	3	...	...	3	2	2	2	2	4	12	1
March ...	5	5	4	5	0.38	0.13	27th	5	...	1	2	5	2	...	3	...	...	4	4	7	3	9	1
April ...	5	5	4	5	0.11	0.09	25th	2	...	...	...	2	3	...	...	1	...	1	4	3	6	11	2
May ...	4	4	3	4	0.37	0.28	8th	2	...	...	2	9	2	...	3	8	1	4	1	2	1	11	...
June ...	3	4	3	3	0.02	0.02	4th	1	...	...	...	13	1	...	4	1	2	7	1	...	2	13	...
July ...	1	...	...	...	...	...	...	...	...	...	...	26	...	...	7	4	...	...	...	1	5	14	...
August ...	1	1	1	1	...	...	...	...	...	...	...	23	...	...	1	...	1	1	...	2	3	21	2
September	4	4	4	4	0.08	0.05	6th	2	...	...	3	13	1	...	...	3	1	4	1	5	2	11	3
October ...	6	4	4	5	0.81	0.56	26th	4	...	...	3	3	3	...	1	3	1	8	1	5	...	7	5
November	6	5	3	5	1.91	0.72	5th	12	...	...	4	2	10	2	...	6	2	2	...	3	3	12	2
December	6	6	5	6	3.59	1.36	11th	14	...	1	2	3	8	3	...	4	...	3	4	6	3	11	...
Year ...	5	4	3	4	11.85	1.56	11th Dec.	71	...	6	19	102	39	6	20	35	11	40	19	45	40	139	16

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

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