

## METEOROLOGICAL OBSERVATIONS.

1924.

## Main Features of the Weather Experienced during the Year.

The highest temperature at the Valletta Station was  $101.8^{\circ}\text{F}$  on the 10th September.

In the country, the highest temperature was registered at Casal Lia where on the 7th September the thermometer rose up to  $105.0^{\circ}\text{F}$ .

The black thermometer in vacuo, on the 11th September registered a temperature of  $147.1^{\circ}\text{F}$ .

The mean maximum temperature for the months of June, July and August was  $82.9^{\circ}\text{F}$ .

The mean minimum temperature for the months of January and February was equal to  $50.3^{\circ}\text{F}$ .

In the country, the lowest temperature was registered at Casal Lia, where on the 23rd January, the thermometer came down to  $33^{\circ}\text{F}$ .

The prevailing winds were the westerly ones; the N.W. heading the list. The S.W. follows next. The N.E. and the S.E. winds were relatively frequent. The E. wind was the least frequent of all.

The mean rainfall was 23.05 inches against 18.26 of the previous year. The number of days during which rain fell was 82 against 89 of the previous year. No rain fell during the months of May and August. The mean rainfall as deduced from the latest observations is equal to 21.5 inches.

The relative humidity varied from 98% on the 17th April to a minimum of 30% on the 9th September. The mean relative humidity was equal to  $71\frac{1}{2}\%$ .

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.	Date	Max.	Date								
January ...	29.955	51.8	55.3	52.4	53.2	49.3	56.5	40	25th	63	5th	0.311	0.312	0.315	0.313	80	70	79	76
February ...	29.861	53.1	57.6	54.1	55.0	51.3	59.6	43	25th	69	20th	0.324	0.334	0.339	0.332	79	70	80	76
March ...	29.944	54.8	58.6	55.9	56.4	52.1	60.6	44	1, 14	68	26, 31	0.347	0.362	0.373	0.361	83	74	82	80
April ...	29.953	60.3	63.0	59.7	61.0	55.9	66.7	49	21st	79	27th	0.409	0.382	0.394	0.395	77	64	78	73
May ...	30.023	68.2	72.7	68.3	69.9	63.2	74.7	57	12th	84	6th	0.498	0.469	0.481	0.483	72	59	68	66
June ...	29.812	73.2	73.7	74.1	73.6	68.7	79.4	64	15th	87	13th	0.593	0.589	0.579	0.587	73	65	68	69
July ...	29.421	77.4	82.3	78.3	79.4	72.9	84.9	68	29th	96.6	8th	0.621	0.612	0.639	0.624	66	55	66	62
August ...	29.945	76.9	82.3	78.3	79.2	71.3	84.3	75	6th	96	22nd	0.665	0.623	0.657	0.648	72	56	68	65
September	30.005	78.0	81.3	78.6	79.3	74.1	86.2	67	30th	101.8	10th	0.665	0.665	0.668	0.667	70	59	69	66
October ...	30.024	70.3	73.4	71.1	71.7	68.1	75.3	63	17, 24	79.0	19th	0.552	0.559	0.599	0.570	73	68	75	72
November	30.025	62.6	66.7	63.1	64.1	60.4	68.3	52	20th	76	3th	0.454	0.454	0.459	0.456	79	59	78	72
December	30.069	56.5	63.9	57.3	58.2	53.6	61.8	49	13th	67	3rd, 4th	0.370	0.383	0.379	0.377	80	74	80	78
Year ...	29.919	65.3	69.0	66.0	66.7	61.7	71.5	40	25th Jan.	101.8	10th Sept.	0.484	0.478	0.490	0.484	75	64	74	71

 $\lambda$  = The longitude of the station. $\phi$  = 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 (1 reading daily)								
	8 a.m.	2 p.m.	7 p.m.	Mean	Total	Max.	Date	East	East	West	Thunder storms	Clear Sky	Overcast	Fog	S.	S.E.	E.	S.W.	W.	N.W.	N.	Calm	
January ...	7	6	4	6	2.91	0.93	7th	15	...	4	1	1	6	...	3	12	3	10	1	17	11	36	...
February ...	6	6	5	6	1.97	0.85	24th	12	...	1	1	4	8	...	...	5	5	11	2	22	3	37	...
March ...	6	7	5	6	1.77	0.51	15th	10	...	...	...	3	7	2	2	17	8	12	2	23	3	24	...
April ...	5	4	3	4	2.08	1.21	21st	3	...	2	2	5	3	...	2	6	7	14	3	16	5	35	2
May ...	3	3	3	3	...	...	...	...	...	...	...	13	2	...	9	11	7	17	3	14	2	30	...
June ...	4	3	3	3	0.21	0.16	15th	4	...	...	1	9	1	...	12	15	4	4	2	12	3	38	...
July ...	1	1	1	1	0.02	0.02	11th	1	...	...	...	29	2	...	12	12	...	4	...	3	8	34	...
August ...	1	1	1	1	...	...	...	...	...	...	...	26	...	...	10	6	2	6	1	14	6	47	1
September	2	2	1	2	0.04	0.04	29th	1	...	...	...	21	1	...	9	16	2	7	2	11	12	30	4
October ...	7	7	4	6	4.95	1.32	1st	13	...	...	1	1	4	...	3	26	4	14	5	12	5	21	1
November	5	6	4	5	2.15	0.56	29th	12	...	...	1	2	2	...	3	2	...	14	2	18	7	42	2
December	7	6	4	6	6.95	1.80	8th	18	...	2	1	3	6	...	...	33	4	12	2	18	3	18	3
Year ...	5	4	3	4	23.05	1.80	8th Dec.	82	...	9	8	117	42	2	65	171	46	125	52	195	78	446	24

ht = Height of the Thermo. above the ground in feet.

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