

METEOROLOGICAL OBSERVATIONS.

1932.

Main features of the weather experienced during the Year.

The highest temperature at the Valletta Station was 91.8° F. on the 17th August.

On the 17th August, at Zeitun, a maximum temperature of 95° F. was registered.

The reading of the black bulb thermometer in vacuo, gave the highest reading on the 1st September, when a temperature of 154° was recorded.

The mean maximum temperature at the Valletta Station, for the months of June, July and August was 79.8° F.

The mean minimum temperature at the same Station for the months of January and February was 50.4°.

The lowest temperature recorded at Valletta was 43.1° on the 19th February. On the 30th February at C. Lia, a temperature of 36.4° was registered.

During the months of January and February, the average duration of bright sunshine was 5.95 hours. The number of days on which no bright sunshine was registered in the abovementioned months, was 6. During the summer months of June, July and August, the duration of sunshine averaged 11.30 hours per diem.

The mean rainfall over the Islands of Malta and Gozo for the period January-December and as deduced from the Pluviometer readings at the Government Elementary Schools, was 23.12 inches for Malta and 25.80 for Gozo. The number of days during which rain fell was 79 against 105 in the previous year. No rain fell during the months of June, July and August. The mean rainfall as deduced from the latest observations equals 21.5 inches.

The prevailing winds, as usual, were the westerly ones; the N.W. heading the list with 105 days. The N.E. winds follow next with 61 days. The S. winds were the least frequent of all.

The relative humidity at the Valletta Station varied from a maximum of 97% on the 7th March and a minimum of 41% on the 3rd August. The mean relative humidity for the year equals 75%.

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STATION—VALLETTA, MALTA.

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

H = 185 ft.

Months	Mean Pressure (9 a.m.)	Air Temperature								Tension of Vapour (8 a.m.)	Relative Humidity (8 a.m.)
		Adapted Mean Temperature	Means of		Absolute Min. and Max.						
			Min.	Max.	Min.	Date	Max.	Date			
January ...	30.273	54.3	51.2	58.1	45.4	2nd	62.1	12th	11.2	77	
February ...	30.006	52.7	49.6	56.6	43.1	19th	67.6	12th	10.8	77	
March ...	29.922	56.5	53.2	60.5	45.5	25th	72.5	12th	12.8	79	
April ...	29.985	58.7	55.3	64.6	46.5	14th	72.1	3rd	13.1	74	
May ...	29.049	66.5	61.2	72.3	55.1	13th	81.4	6th	15.8	69	
June ...	29.965	71.0	66.4	75.7	59.8	1st	80.8	4th	20.2	77	
July ...	29.582	75.9	71.2	80.3	67.6	3rd	87.2	24th	24.1	76	
August ...	30.036	78.4	73.4	83.3	70.0	6th	91.8	17th	23.2	72	
September ...	30.018	77.9	72.9	83.7	67.4	5th	89.9	15th	25.5	79	
October ...	29.949	75.5	70.3	79.2	58.9	27th	91.2	10th	23.2	77	
November ...	30.064	64.1	60.1	69.5	56.6	25th	73.8	9th	15.5	75	
December ...	30.215	57.8	57.8	64.5	51.9	30th	69.4	9th	13.8	75	
Year ...	29.922	65.8	61.9	70.7	43.1	19th Feb.	91.8	17th Aug.	17.4	76	

 λ = Longitude of Station. ϕ = Latitude of Station.

H = Height above mean sea level.

STATION—VALLETTA, MALTA.

ht. = 71.

hr. = 59.

Months	Cloud 8 a.m.	Sunshine Hours of	Rainfall			Weather No. of Days of—								Wind—No. of Observations of— (8 a.m.)							
			Total	Max.	Date	Rain	Snow	Hail	Thunder storms	Clear Sky	Overcast	Gales	S.	N.E.	E.	S.E.	S.	N.W.	W.	S.W.	Calm
January ...	6	6.08	2.45	1.60	7th	11	...	...	4	4	5	1	...	14	1	1	...	5	2	5	3
February ...	6	5.83	4.50	1.34	25th	15	...	...	1	4	11	5	1	4	3	2	1	6	...	9	5
March ...	6	5.83	1.93	0.92	6th	13	...	...	1	6	14	1	...	3	1	7	...	5	1	13	1
April ...	5	9.52	0.18	0.15	14th	3	...	1	2	7	6	5	1	2	...	7	1	3	4	11	1
May ...	3	11.09	0.02	0.01	25-27	2	...	...	...	16	2	...	4	4	3	2	...	3	3	12	...
June ...	4	10.84	0.02	0.02	15th	1	...	...	...	8	4	...	1	5	3	8	...	...	...	13	...
July ...	3	10.92	...	...	...	...	...	...	...	15	3	1	5	6	3	3	...	1	...	12	1
August ...	1	12.13	0.01	0.01	29th	1	...	...	...	24	...	...	5	2	...	...	...	1	2	17	4
September ...	3	9.16	1.30	0.63	5th	4	...	...	4	12	4	...	1	6	1	2	...	4	1	4	11
October ...	6	6.92	4.28	1.94	18th	8	...	...	4	6	7	...	2	4	1	4	1	5	1	4	9
November ...	7	5.83	4.54	1.06	12th	13	...	1	4	2	12	1	1	4	1	6	1	5	4	5	3
December ...	6	5.32	1.25	0.76	4th	8	...	1	1	2	9	...	...	7	2	7	2	5	2	...	6
Year ...	4.6	8.13	20.48	1.94	18th Oct.	79	...	3	19	106	77	10	21	61	19	49	6	43	20	105	42

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

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