

METEOROLOGICAL OBSERVATIONS.

1930.

Main features of the weather experienced during the Year.

The highest temperature at the Valletta Station was 90.9° F on the 2nd July.

On the 2nd July, at Casal Zeitun, a maximum temperature of 94.5° was registered.

The reading of the black bulb thermometer in vacuo, gave the highest reading on the 12th July, when a temperature of 156° was recorded.

The mean maximum temperature at the Valletta Station, for the months of June, July and August was 81.7°.

The mean minimum temperature at the same Station for the months of January and February was 51.3°.

The lowest temperature recorded at Valletta was 46.2° on the 22nd February. On the 21st January at C. Lia, a temperature of 38.2° was registered.

During the months of January and February, the average duration of bright sunshine was 5.11 hours. The number of days on which no bright sunshine was registered in the abovementioned months, was 5. During the summer months of June, July and August, the duration of sunshine averaged 11.75 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 25.58 inches for Malta and 23.17 for Gozo. The number of days during which rain fell was 80 against 84 in the previous year. No rain fell during the month of July. 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. The S.E. winds follow next. The E winds were the least frequent of all.

The relative humidity at the Valletta Station varied from a maximum of 99% on the 23rd March and a minimum of 41% on the 1st January. The mean relative humidity for the year equals 76.7%.

METEOROLOGICAL OBSERVATIONS.

STATION—VALLETTA, MALTA.

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

H = 185 ft.

Months	Mean Pressure (8 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 ...	30.068	55.6	52.3	58.8	48.0	21st	63.5	27th	14.0	82.0	
February ...	29.942	54.0	50.4	57.2	46.2	22nd	61.2	5th	13.4	79.5	
March ...	29.965	58.2	53.8	62.7	48.4	12th	71.3	19th	14.9	81.0	
April ...	29.838	60.3	55.4	64.9	49.4	17th	79.5	28th	14.2	78.0	
May ...	29.991	64.3	59.7	68.4	56.8	10th	72.2	27th	15.7	75.0	
June ...	29.699	73.4	68.4	78.3	66.0	1st-10th	87.3	29th	21.6	74.7	
July ...	29.934	78.8	73.5	83.7	70.9	28th	90.9	2nd	23.7	71.3	
August ...	29.370	78.1	73.1	83.2	68.4	18th	90.8	3rd	24.2	72.0	
September ...	29.974	74.6	70.1	78.5	64.1	24th	85.7	8th	22.7	75.0	
October ...	30.012	68.3	64.3	73.1	52.2	27th	81.2	2nd	18.2	75.0	
November ...	30.126	63.3	59.3	67.8	49.6	14th	74.8	4th	15.8	79.0	
December ...	29.906	58.7	55.7	62.2	49.9	17th	67.3	6th	13.7	78.5	
Year ...	29.902	65.6	61.3	69.9	46.2	22nd Feb.	90.9	2nd July	17.7	76.7	

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

H = Height above mean sea level.

STATION—VALLETTA, MALTA.

Ht. = 71.

hr. = 59.

Months	Cloud # 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 Strokes	Clear Sky	Overcast	Gales	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January ...	6	4.67	4.97	1.19	30th	17	...	1	2	3	12	1	2	3	2	3	5	4	2	6	4
February ...	6	5.56	5.04	1.41	17th	15	...	2	4	...	6	3	2	5	1	1	1	7	1	5	5
March ...	5	8.20	0.44	0.36	13th	2	...	...	...	5	4	2	4	2	1	8	...	3	3	8	2
April ...	5	8.40	0.89	0.29	18th	5	...	...	1	6	10	1	...	4	...	8	...	7	...	10	...
May ...	5	9.53	0.33	0.31	27th	2	...	...	1	5	8	...	1	6	1	4	...	1	...	18	...
June ...	4	10.64	0.02	0.02	7th	1	...	...	...	13	5	1	1	8	1	4	...	2	...	12	2
July ...	2	12.63	...	...	...	...	...	...	1	16	...	...	4	6	...	2	...	4	...	14	1
August ...	1.4	11.99	1.24	1.24	31st	1	...	...	...	23	...	...	2	2	...	1	1	3	...	15	7
September ...	3	9.42	2.21	1.02	14th	3	...	...	3	13	4	...	...	2	...	6	1	1	...	16	5
October ...	5	7.56	3.07	0.68	26th	13	...	1	3	7	7	1	...	6	...	1	...	3	1	14	6
November ...	3.4	8.02	1.67	1.14	14th	6	...	...	...	11	6	1	...	2	...	6	...	5	3	9	5
December ...	6	5.13	6.42	0.97	22nd	15	...	...	3	3	11	...	1	2	...	5	...	6	1	9	7
Year ...	4.3	8.48	27.20	1.41	17th Feb.	80	...	3	18	105	73	10	17	48	6	49	8	46	11	136	44

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

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