

METEOROLOGICAL OBSERVATIONS.

1929.

Main Features of the Weather Experienced during the Year.

The highest temperature at the Valletta Station was 96.1° F on the 30th July.

On the 7th July, at Casal Zeitun, a maximum temperature of 98.5° was registered.

The reading of the black bulb thermometer in vacuo, gave the highest reading on the 19th August, when a temperature of 159° was recorded.

The mean maximum temperature at the Valletta Station, for the months of June, July and August was 81.2°.

The mean minimum temperature at the same Station for the months of January and February was 48.1°.

The lowest temperature recorded at Valletta was 44.5° on the 19th February. On the same date at C. Lia, a temperature of 31.6° was registered.

During the months of January and February, the average duration of bright sunshine was 5.31 hours. The number of days on which no bright sunshine was registered in the abovementioned months, was 7. During the summer months of June, July and August, the duration of sunshine averaged 11.51 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 20.00 inches for Malta and 20.37 for Gozo. The number of days during which rain fell was 84 against 103 in the previous year. No rain fell during the months of June, and 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 N.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 100% on the 1st December and a minimum of 32% on the 13th January. The mean relative humidity for the year equals 86%.

METEOROLOGICAL OBSERVATIONS, 1929.

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.)
		Adopted Mean Temperature	Means of		Absolute Min. and Max.						
			Min.	Max.	Min.	Date	Max.	Date			
January ...	30.081	52.1	49.0	56.4	44.5	19th	64.0	3rd	9.8	63	
February ...	29.888	50.4	47.1	53.8	40.0	3rd-15th	59.1	27th	9.9	79	
March ...	30.083	54.6	51.2	58.1	46.0	2nd	61.0	24th	12.3	83	
April ...	29.952	60.1	55.4	65.1	49.0	8th, 9th	77.0	27th	15.7	83	
May ...	29.922	65.1	60.6	69.2	56.0	4th	79.5	30th	19.9	92	
June ...	29.998	72.5	64.7	78.3	64.0	6th	88.2	26th	25.4	91	
July ...	30.044	78.1	72.6	83.1	66.0	12th	96.1	30th	30.7	91	
August ...	29.949	77.5	73.3	82.1	70.0	24th-26th	89.0	19th	29.9	94	
September ...	29.847	74.3	70.4	78.9	60.0	28th	87.0	9th	22.1	74	
October ...	30.021	67.3	64.0	73.3	60.0	8th-15th	80.1	24th	22.2	95	
November ...	29.985	62.9	59.2	66.9	51.0	14th	74.0	1st	18.3	93	
December ...	30.060	57.3	53.5	61.2	44.0	20th-22nd	68.0	1st	15.1	90	
Year ...	29.986	64.3	60.1	68.8	40.0	3rd-15th Feb.	96.1	30th July	19.3	86	

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

H = Height above mean sea level.

STATION—VALLETTA, MALTA.

Ht. = 71.

hr. = 54.

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	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January ...	6.3	5.75	1.48	0.31	17th	14	...	2	...	3	7	2	1	4	...	1	...	7	4	12	2
February ...	7.4	4.86	3.83	0.95	9th	16	...	3	3	...	14	4	...	2	...	3	2	1	4	13	3
March ...	6.2	5.82	3.28	0.70	26th	11	...	...	...	1	8	3	3	5	2	2	2	1	1	4	11
April ...	4.3	8.86	0.70	0.40	12th	5	...	...	...	3	3	...	1	5	...	2	1	3	2	11	5
May ...	4.3	9.72	0.30	0.30	12th	1	...	...	1	7	3	...	4	7	1	...	...	1	5	10	3
June ...	2.9	10.36	...	...	...	...	...	...	...	15	1	...	1	4	...	...	...	...	...	17	8
July ...	1.0	12.36	...	...	...	...	...	...	...	21	...	...	1	1	...	1	...	...	2	13	13
August ...	2.0	11.81	0.05	0.05	27th	1	...	...	...	17	...	...	1	1	...	3	...	...	4	10	12
September ...	5.0	8.43	1.60	0.50	26th	6	...	4	1	7	6	1	3	8	1	3	...	1	...	5	7
October ...	4.0	8.25	1.10	0.75	8th	6	...	2	...	8	6	2	...	1	...	5	3	1	...	12	9
November ...	5.9	5.54	4.94	2.90	14th	13	...	2	...	2	7	1	3	2	3	2	...	3	2	5	10
December ...	4.8	6.30	1.58	0.50	19th	11	...	2	3	8	4	3	5	3	1	...	2	...	3	11	6
Year ...	4.4	8.17	18.86	2.90	14th Nov.	84	...	15	8	92	59	17	25	43	8	22	10	16	27	123	89

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

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