

METEOROLOGICAL OBSERVATIONS.

1936.

Main features of the weather experienced during the Year.

The highest temperature at the Valletta Station was 96.9° F. on the 22nd July.

On the 7th June, at Żurrieq, a maximum temperature of 101.0° F. was registered.

The reading of the black bulb thermometer in vacuo, gave the highest reading on the 19th August when a temperature of 152° was recorded.

The mean maximum temperature at the Valletta Station, for the months of June, July and August was 81.1° F.

The mean minimum temperature at the same Station for the months of January and February was 53.1° F.

The lowest temperature recorded at Valletta was 43.1° F. on the 5th February. On the 8th February at Żejtun, a temperature of 39.0° was registered.

During the months of January and February, the average duration of bright sunshine was 5.48 hours. The number of days on which no bright sunshine was registered in the abovementioned months, was 11. During the summer months of June, July and August, the duration of sunshine averaged 11.71 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 17.38 inches for Malta and 16.22 for Gozo. The number of days during which rain fell was 80 against 95 in the previous year. No rain fell during the month of July. The mean rainfall as deduced from the latest observations equals 20.6 inches.

The rainfall over the Islet of Kemma was 17.18 inches.

The prevailing winds, as usual, were the westerly ones; the N.W. heading the list with 125 days. The N.E. and S.E. winds follow next with 42 days each. The E. winds were the least frequent of all.

The relative humidity at the Valletta Station varied from a maximum of 98% on the 3rd March and a minimum of 40% on the 22nd April. The mean relative humidity for the year equals 78%.

During the year 19 earthquake shocks were registered.

Fine desert sand was deposited five times during the year, an average of 660 tons were deposited on the island during the year.

On the 24th of November a tornado visited the island touching Ghaxaq and Hal-Far.

There was a precipitation of 1.87 inches of rain.

The site and the exposure of the instruments are "conventional". No change of site has been made.

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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.)
		Adopted Mean Temperature	Means of		Absolute Min. and Max.					
			Min.	Max.	Min.	Date	Max.	Date		
January ...	29.997	57.5	54.1	62.5	49.1	31st	70.2	22nd	12.9	80
February ...	29.811	56.0	52.1	60.6	43.1	5th	74.8	24th	12.3	76
March ...	29.957	58.1	54.2	62.4	48.2	9th	69.8	13th	13.1	80
April ...	29.904	61.8	57.3	66.2	51.8	20th	71.9	16th	15.0	70
May ...	29.849	64.4	59.6	68.7	55.3	1st	76.2	31st	17.0	84
June ...	29.995	70.7	65.3	75.8	58.9	6th	94.2	24th	20.2	78
July ...	29.982	80.2	72.2	84.4	66.6	2nd	96.9	22nd	23.5	73
August ...	30.018	78.1	72.6	83.3	69.7	5th	89.5	24th	21.2	77
September ...	30.067	76.0	71.1	81.3	67.0	30th	90.7	6th	22.6	78
October ...	29.973	67.9	64.3	72.5	53.4	31st	79.9	7th	18.9	83
November ...	29.981	62.7	59.0	66.7	53.1	1st	74.2	10th	15.7	82
December ...	30.152	56.8	53.2	61.0	46.7	28th	64.2	10th	12.1	80
Year ...	29.973	65.8	61.2	78.7	43.1	5th Feb.	96.9	22nd Aug.	17.3	78

 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 Stones	Clear Sky	Overcast	Calms	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calms
January ...	6	5.53	1.34	0.48	11st	8	...	...	...	6	12	...	1	1	...	3	3	6	3	12	2
February ...	6	5.43	0.92	0.48	5th	7	...	3	...	1	14	2	...	1	2	1	5	4	2	10	4
March ...	5	7.60	0.19	0.01	22nd	7	...	...	...	9	8	3	1	4	2	7	2	3	4	7	1
April ...	4	8.56	1.10	0.52	23rd	6	...	...	...	11	5	1	2	5	...	5	2	3	6	5	2
May ...	3	10.14	1.08	0.37	17th	5	...	...	...	8	5	...	1	5	4	5	1	1	2	12	...
June ...	3	11.12	0.02	0.02	17th	1	...	...	1	15	3	...	4	...	4	3	1	...	1	16	1
July ...	0	12.80	...	...	...	...	...	...	...	29	1	...	11	1	1	...	1	...	2	14	3
August ...	2	11.23	0.16	0.16	30th	1	...	...	...	14	...	...	4	3	1	2	2	1	1	14	1
September ...	3	9.74	0.22	0.14	30th	3	...	1	...	10	1	...	...	3	1	3	2	5	3	10	3
October ...	6	5.93	1.29	0.50	24th	13	...	2	...	2	12	1	1	6	...	2	1	3	5	12	1
November ...	5	5.51	6.92	1.26	24th	16	...	1	...	5	10	1	1	2	2	8	1	4	3	5	4
December ...	6	4.95	3.88	1.31	9th	13	...	1	1	1	8	3	1	9	2	3	1	1	2	8	4
Year ...	4.0	8.21	15.12	1.76	24th Nov.	80	...	8	2	111	79	11	27	42	19	42	22	31	34	125	24

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

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