

METEOROLOGICAL OBSERVATIONS.

1928.

Main Features of the Weather Experienced during the Year.

The highest temperature at the Valletta Station was 96.0° on the 31st July.

On the 8th July, at Casal Zurrigo, a maximum temperature of 98.0° was registered.

The reading of the black bulb thermometer in vacuo, gave the highest reading on the 19th August, when a temperature of 154° was recorded.

The mean maximum temperature at the Valletta Station, for the months of June, July and August was 83.8° .

The mean minimum temperature at the same Station for the months of January and February was 51.9° .

The lowest temperature recorded at Valletta was 44.2°F . on the 24th February. On the same date at C. Lia, a temperature of 35.0°F was registered.

During the months of January and February, the average duration of bright sunshine was 5.19 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 12.35 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 30.68 inches for Malta and 31.49 for Gozo. The number of days during which rain fell was 103 against 69 of the previous year. No rain fell during the months of May, 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. The S.E. winds follow next. The S. winds were the least frequent of all.

The relative humidity at the Valletta Station varied from a maximum of 98% on the 28th and 29th October to a minimum of 51% on the 29th July. The mean relative humidity was equal to 81.8% .

METEOROLOGICAL OBSERVATIONS, 1928.

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 ...	30.027	55.7	53.1	58.7	50.0	17th, 18th, 21st, 23rd	64.5	5th	12.3	83.4	
February ...	30.078	53.7	50.8	56.8	44.2	24th	61.1	16th	11.0	79.4	
March ...	29.919	53.9	52.7	59.5	47.0	19th	63.4	22nd, 31st	12.8	86.3	
April ...	29.877	61.1	56.9	66.2	51.0	3rd	76.0	29th	14.9	82.9	
May ...	29.908	64.4	60.1	69.2	56.4	1st	78.0	18th	16.2	79.5	
June ...	30.023	73.4	67.9	78.3	63.0	1st, 5th	89.0	28th	21.0	73.7	
July ...	30.013	80.0	74.6	85.8	70.0	2nd	96.0	31st	26.8	76.8	
August ...	29.971	81.3	76.0	87.2	73.0	9th	95.0	4th	29.2	81.4	
September ...	30.035	77.3	73.0	82.9	67.0	6th	89.0	2nd	26.4	85.7	
October ...	30.065	72.2	68.9	76.0	62.0	25th	91.0	1st	23.4	84.0	
November ...	29.953	63.2	59.5	67.9	48.0	25th	79.0	4th	16.7	84.0	
December ...	29.989	55.7	51.6	58.1	46.0	16th	64.0	9th, 10th, 11th	12.6	86.0	
Year ...	29.988	66.2	62.1	70.6	44.2	24th Feb.	96.0	31st July	18.6	81.8	

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

H = Height above mean sea level.

STATION—VALLETTA, MALTA.

Ht. = 71.

hr. = 54.

Months	Cloud	Sunshine	Rainfall			Weather No. of Days of:—							Wind—No. of Observations of:— (8 a.m.)								
	8 a.m.	Hours of	Total	Max.	Date	Rain	Snow	Hail	Thunder Storms	Clear Sky	Overcast	Calms	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calms
January ...	7.5	4.88	7.11	1.8	10th	20	...	2	2	1	10	2	...	7	1	5	1	3	1	7	6
February ...	6.8	5.50	5.06	2.48	4th	11	...	2	2	2	11	...	...	4	4	3	...	2	2	11	3
March ...	6.8	5.25	4.63	0.95	2nd	18	...	...	...	1	7	...	1	2	3	5	2	5	2	5	6
April ...	5.9	7.67	2.83	1.70	24th	6	...	...	...	3	6	...	3	...	4	4	1	3	1	11	3
May ...	4.7	10.38	...	...	...	...	...	...	...	11	7	...	2	5	2	4	1	1	1	10	5
June ...	1.1	11.99	...	...	...	...	...	...	...	25	1	...	4	6	4	4	1	1	...	7	3
July ...	0.5	12.84	...	...	...	...	...	...	...	28	...	...	15	1	1	...	...	...	...	7	7
August ...	1.0	12.23	...	...	...	...	...	...	...	25	...	...	7	...	...	1	...	...	...	10	13
September ...	3.6	8.70	2.34	0.96	5th	7	...	...	2	13	5	...	4	4	...	3	3	2	2	6	6
October ...	6.0	7.46	1.29	0.40	17th	8	...	...	2	4	5	1	...	6	...	9	1	3	1	9	2
November ...	5.9	5.95	6.89	2.26	8th	14	...	2	2	2	7	3	...	1	...	2	2	1	4	14	6
December ...	7.0	4.52	5.14	1.80	25th	19	...	...	4	1	7	1	1	3	1	3	...	4	3	10	6
Year ...	4.7	8.11	35.29	2.48	4th Feb.	103	...	6	14	116	66	7	37	39	20	43	12	25	17	107	66

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

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