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## METEOROLOGICAL OBSERVATIONS.

1921.

### Main Features of the Weather Experienced during the Year.

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The highest temperature at the Valletta Station was 98.6 on the 21st July.

In the country, the highest temperature was registered at Zurrico during the month of July and it was equal to 103.

The black thermometer in vacuo, on the 24th August registered a temperature of 152.2

The mean maximum temperature for the months of June, July and August was 76.4

The mean minimum temperature for the months of January and February was equal to 54.5

In the country, the lowest temperature was registered at Naxaro, where on the 20th and on the 22nd January, the temperature came down to 38° Fah.

The prevailing winds were the N.W. Next in order of frequency were the S.E., N.E. and S. The S.E. winds were the least frequent of all. The greatest number of calm days were noticed during the months of June, July and October.

The mean rainfall was 19.32 inches against 22 inches of the previous year. The number of rainy days was 86 against 76 of the previous year. The highest rainfall over the Island was registered during the month of November and it was equal to 4.31 inches. No rain fell during the months of July and August. The mean rainfall as deduced from the latest observations is equal to 21.5 inches. In 1898 a rainfall of 29.17 inches was recorded and in 1815 only 11.38 inches came down.

The mean relative humidity varied from a maximum of 84% and a minimum of 60%. The mean relative humidity was equal to 72%. During the months of June, July and August the relative humidity reached its lowest limits whilst the highest values were noticed during the months of January, February, April and March.

STATION—VALLETTA, MALTA.

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

H = 185 ft.

Months	Mean Pressure	Air Temperature										Tension of Vapour				Relative Humidity			
		7 a.m.	11 a.m.	7 p.m.	Mean	Means of		Absolute Min. and Max.				7 a.m.	11 a.m.	7 p.m.	Mean	7 a.m.	11 a.m.	7 p.m.	Mean
						Min.	Max.	Min.	Date	Max.	Date								
						p. cent.	p. cent.	p. cent.	p. cent.										
January ...	30.115	53.7	57.1	57.0	55.9	51.9	59.5	45.4	20th	63.9	2nd	0.344	0.364	0.341	0.348	83	78	72	78
February ...	30.078	53.7	57.0	55.5	55.7	51.4	58.7	43.9	2nd	64.4	7th	0.348	0.355	0.347	0.350	84	76	65	75
March ...	30.118	55.0	58.3	58.2	57.2	52.0	60.3	48.1	1st	65.1	8th	0.358	0.361	0.366	0.362	81	74	76	77
April ...	29.895	57.6	59.7	61.9	59.7	52.0	62.9	51.0	4, 7	64.9	20th	0.379	0.378	0.391	0.383	79	83	73	78
May ...	29.921	64.9	67.7	66.5	66.3	60.0	70.0	51.0	6, 10	77.0	17th	0.503	0.494	0.481	0.492	79	72	72	74
June ...	29.900	69.7	72.9	73.4	72.0	65.0	75.2	61.8	25th	79.9	4, 29	0.527	0.500	0.503	0.510	73	64	61	66
July ...	29.989	79.9	79.9	82.1	80.6	75.2	84.6	71.7	12th	98.6	21st	0.638	0.672	0.648	0.653	63	66	60	63
August ...	29.905	77.2	79.8	82.1	79.7	73.2	83.1	62.1	26th	92.5	1st	0.688	0.704	0.666	0.686	68	69	61	66
September	30.025	72.3	78.6	78.9	76.6	72.3	81.3	61.0	29, 30	85.8	22nd	0.681	0.690	0.670	0.680	74	70	69	71
October ...	30.074	69.8	73.1	71.4	71.4	66.6	74.7	62.8	24, 30	81.0	12th	0.535	0.528	0.532	0.532	72	65	70	69
November	29.971	61.5	61.8	61.6	61.6	59.7	64.6	47.4	10th	73.9	5, 6	0.435	0.425	0.446	0.435	79	71	77	76
December	29.977	55.6	58.3	55.9	56.6	53.2	59.8	47.2	14th	68.9	3rd	0.339	0.343	0.336	0.339	76	70	75	74
Year ...	29.997	64.5	67.0	67.1	66.1	61.0	69.6	43.9	2nd Feb.	98.6	21st July	0.481	0.485	0.477	0.480	76	71	69	72

 $\lambda$  = The longitude of the station. $\phi$  = The latitude of the station.

H = Height above mean sea level.

STATION—VALLETTA, MALTA.

Ht. = 71.

hr. = 54.

Months	Amount of Cloud				Rainfall			Weather No. of Days of							Wind No. of Observations of								
	7 a.m.	11 a.m.	7 p.m.	Mean	Total	Max.	Date	Fair	Sun.	Hail	Thunder Storms	Clear Sky	Overcast	Gales	S.	S.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January ...	6	5	5	5	2.73	0.89	10th	13	...	2	6	3	10	2	3	4	...	...	1	6	3	13	1
February ...	6	7	7	6	1.13	0.21	2nd	11	...	...	1	1	6	1	...	5	2	6	...	5	3	7	...
March ...	5	6	6	6	2.47	0.94	12th	11	...	2	3	2	5	...	1	7	1	6	...	3	...	10	3
April ...	6	6	6	6	2.41	1.47	23rd	5	...	...	1	6	2	...	...	5	2	5	2	2	2	12	...
May ...	4	5	4	4	0.56	0.26	23rd	5	...	...	2	6	2	...	1	6	4	9	...	1	2	7	1
June ...	3	3	3	3	...	...	...	...	...	...	2	12	2	...	...	3	1	3	...	3	2	13	5
July ...	1	1	1	1	...	...	...	...	...	...	...	22	...	...	1	2	2	3	1	...	5	14	5
August ...	2	2	2	2	0.19	0.13	26th	3	...	...	...	14	1	...	2	1	2	4	1	2	2	13	4
September	4	4	4	4	1.29	0.47	28th	4	...	...	3	4	...	...	4	2	5	3	2	2	4	4	4
October ...	4	4	3	4	0.89	0.49	19th	8	...	...	2	3	...	1	2	7	6	4	2	1	1	3	5
November	6	5	5	5	4.20	1.27	10th	14	...	2	3	...	4	...	1	3	...	8	...	5	2	11	...
December	6	6	4	5	3.45	0.64	15th	12	...	2	3	1	2	1	2	4	1	3	2	3	1	15	...
Year ...	4	5	4	4	19.32	1.47	23rd Apr.	86	...	8	26	74	34	5	17	49	26	54	11	33	25	122	28

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

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