



**the Palestinian Central Bureau of Statistics (PCBS) and the Palestinian Meteorological Directorate (PMD)**

**jointly issue a press release on the Occasion of the World Meteorological Day (WMD), on March 23<sup>rd</sup>, 2023.**

**This Year's Theme: "The future of weather, climate and water across generations"**

Every year on March 23<sup>rd</sup>, the World Meteorological Organization (WMO), which is composed of 189 members, and the global meteorological community celebrate the World Meteorological Day. This year's theme is "The future of weather, climate and water across generations".

The following are the most prominent features of the weather in Palestine

**Rain season is less than the mean average in most governorates**

Data showed that the highest amount of rainfall during the current rain season was 484 mm in Salfit Governorate (which represented 69.3% of the mean average of the governorate), whereas the lowest amount of rainfall during the current rain season was 92.1 mm in Jericho Governorate (which represented 55.5% of the mean average of the governorate).

**Cumulative amounts of rainfall from the beginning of the current rain season 2022/2023 till 09/03/2023**

Governorate	Quantity of Rainfall till 09/03/2023 (mm)	Mean Average (mm)	% of Mean Average
Salfit	484.0	698.1	69.3
Ramallah	456.8	615.2	74.3
Bethlehem	387.7	518.4	74.8
Nablus	375.6	660.1	56.9
Qalqiliya	363.0	624.9	58.1
Jerusalem	351.2	537.0	65.4
Tulkarm	334.5	602.4	55.5
Hebron	327.8	595.9	55.0
Jenin	304.8	468.2	65.1
Tubas	301.5	431.2	69.9
Jericho	92.1	166.0	55.5

**The Highest Annual Humidity was in Nablus and the Lowest was in Jericho**

Data showed that the annual relative humidity in 2021 ranged between 75% in Nablus Station and 42% in Jericho Station.

**Mean Relative Humidity (%) in 2021 and Mean Average in Some West Bank Stations**

Station	Relative Humidity (%), 2021	Mean Average %	% of Mean Average
Nablus	75	61	123
Ramallah	74	75	99
Hebron	65	62	105
Jenin	64	69	93
Tulkarm	54	70	77
Jericho	42	52	81

**Total Evaporation was Higher than the Mean Average in 2021**

Data showed that the total evaporation in Palestine during 2021 increased in the majority of available stations, where it reached its highest (2,847 mm) in Jericho Station and its lowest (1,825 mm) in Nablus Station.

**Evaporation Total in 2021 and Mean Average in Some West Bank Stations**

Station	Average Evaporation (mm), 2021	Mean Average (mm)	% of Mean Average
Jericho	2,847	2,101	136
Jenin	2,081	..	..
Hebron	1,935	1,608	120
Ramallah	1,862	1,889	99
Nablus	1,825	1,682	109

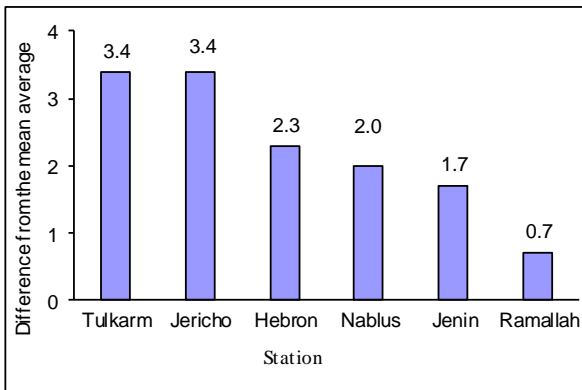
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### **Air Temperatures in 2021 are higher than the mean average**

Temperature data were analyzed by selecting stations that represent the climate system in Palestine. The analysis sample was taken for a station representing the mountainous and semi-coastal areas and Al-Aghwar region. PMD data showed that air temperatures in 2021 were higher than the mean average by (3.4°C) in Tulkarm and Jericho stations.

This significant rise in air temperatures is due to Palestine being affected by heat waves during the months of July, August and October, where the effect of which was greater on the mountainous, coastal and semi-coastal areas; hence, it made the temperature rise in these areas reaching higher percentages from their mean average. Thus, those heat waves were accompanied by a marked increase in humidity levels in the same areas.

### **Variations in Air Temperatures (°C) in 2021 from the Mean Average in some West Bank Stations**



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