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28 July 2025

Heatwave Summary of 22-28 July 2025

A prolonged heatwave is being experienced across the country and is approaching its conclusion. During this period, high temperatures have been recorded, reaching up to 47°C in Sodom, and heavy to extreme heat stress conditions have prevailed.

Temperatures during the Heatwave

Following a first half of July characterized by temperatures slightly above the average and without any special events, the second half of the month exhibited a warming trend, and in the last week (July 22nd to 28th), a heatwave prevailed. During this time, the Lowlands and the Jezreel Valley saw temperatures of 35 to 38°C, the Negev and the Hula Valley experienced 38 to 40°C, the Kinneret and the northern Jordan Valley reported 40 to 42°C, the southern Jordan Valley and the Arava Valley recorded 42 to 45°C, and the northern and central mountains observed 33 to 36°C. The coastal plain registered temperatures of 32 to 34°C with relative humidity of approximately 60% to 70% in the afternoon hours, which resulted in heavy heat stress.

At the peak of the heatwave, on July 27th, the southern Lowlands and the northern Negev recorded 40 to 41°C, the Kinneret area noted 41 to 43°C, the Jordan Valley and the Arava Valley measured 44 to 46°C, and in Sodom, a temperature of 47.4°C was even registered.

The nights were also warm, in the mountains, minimum temperatures of 24 to 26°C were recorded during the heatwave (compared to an average of about 20°C), in the Dead Sea area 28 to 30°C were observed (in Sodom 32 to 33°C), and on the coastal plain 25 to 26°C were noted (on the coastal strip even 27 to 28°C) with high relative humidity.

Anomalies in the Number of Heatwave Events

The heatwave was not generally anomalous in the temperatures that were recorded, although the temperature measured in Sodom (47.4°C) is exceptional. Since the beginning of measurements at this station about 65 years ago, there have been only two other instances in which a higher temperature was recorded (49.9°C in July 2019 and 47.9°C in July 2018).

With regard to the sequence of hot days, it can be noted that similar sequences to those in the current event (such as 7 days with maximum temperatures of 33°C and above in Jerusalem, 35°C and above in Bet Jimal) have been occurring once every one to two years in the last one to two decades. However, in the past, this was less frequent, happening approximately once a decade. This is another expression of the warming trend that we are experiencing.

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Maximum Temperatures (°C) - 22-28 July 2025

Station	22.7.25	23.7.25	24.7.25	25.7.25	26.7.25	27.7.25	28.7.25
Haifa (Technion)	30.1	31.0	31.1	30.8	31.1	32.9	31.3
Ein Carmel	31.6	31.9	31.9	31.8	32.3	33.6	32.0
En HaHoresh	32.3	32.5	33.2	32.7	33.6	34.4	33.5
Tel Aviv Coast	31.7	31.2	32.4	32.2	32.5	33.4	32.0
Bet Dagan	33.4	34.1	35.4	33.6	35.2	36.6	35.6
Hafetz Haim*	34.2	34.7	36.5	34.1	35.6	37.8	35.8
Qevuzat Yavne	32.2	32.8	33.9	32.4	33.4	35.4	33.3
Netiv HaLamed-Heh	38.3	37.9	38.6	38.0	39.7	41.5	38.4
Negba	33.0	33.8	35.6	34.2	34.7	37.4	34.7
Besor	33.5	34.2	36.6	35.3	35.3	39.0	34.8
Dorot	34.7	34.8	37.1	35.4	36.1	39.1	36.0
Zefat Har Kena'an	32.9	34.5	31.9	33.7	35.5	36.0	34.0
Elon	32.2	32.7	32.6	32.4	33.6	34.1	32.7
Tavor	35.9	37.9	37.1	36.8	38.8	38.8	38.7
Merom Golan Picman	33.2	32.8	32.5	32.2	34.5	33.8	25.9
Avne Eitan	34.4	36.1	35.0	34.9	37.2	37.3	35.9
Jerusalem	34.7	34.2	32.4	33.0	36.0	35.5	33.9
Beit Jamal	35.1	35.7	36.2	35.1	37.3	38.3	35.8
Newe Ya'ar	35.9	39.0	37.2	36.0	37.8	39.2	37.5
Afula Nir HaEmek	35.9	37.1	36.4	36.2	38.9	38.4	38.1
Kefar Blum	38.8	39.7	39.0	39.3	40.7	40.5	39.5
Zemah	38.7	40.9	40.8	39.8	42.4	42.1	41.7
Beer Sheva	37.0	37.6	38.6	37.4	39.5	40.5	37.5
Sede Boqer	35.7	36.2	36.3	36.7	37.8	38.8	36.3
Sede Eliyyahu	41.0	41.5	40.5	40.7	42.5	42.9	42.0
Gilgal	44.0	44.0	44.1	44.2	43.6	45.5	44.8
Sedom	40.4	42.2	45.5	46.0	45.6	47.4	44.4
Hazeva	41.8	44.5	43.6	44.1	45.2	45.2	44.1
Paran	41.0	42.4	41.6	42.2	43.8	43.8	43.6
Yotvata	41.6	42.5	42.3	42.8	44.7	43.9	44.4
Eilat	42.9	44.2	43.8	40.2	42.8	41.0	42.6

Minimum Temperatures (°C) - 22-28 July 2025

Station	22.7.25	23.7.25	24.7.25	25.7.25	26.7.25	27.7.25	28.7.25
Haifa (Technion)	23.5	24.0	25.2	25.0	24.5	24.1	23.4
Ein Carmel	23.4	22.8	24.7	25.0	25.4	24.5	24.0
En HaHoresh	20.8	21.6	20.0	21.0	22.2	19.7	21.3
Tel Aviv Coast	26.1	26.6	26.0	26.8	27.1	27.4	27.8
Bet Dagan	23.9	23.9	22.8	22.9	25.5	21.5	25.9
Hafetz Haim	21.7	21.4	20.1	20.2	22.7	21.2	22.2
Qevuzat Yavne	22.8	22.9	21.6	21.7	23.8	21.9	24.1
Netiv HaLamed-Heh	15.5	17.1	15.1	16.0	17.5	17.6	16.4
Negba	22.4	21.9	22.5	23.1	23.6	23.7	24.4
Besor	22.9	22.3	21.9	20.8	24.0	23.0	23.7
Dorot	21.6	21.9	22.1	22.1	23.7	24.0	23.2
Zefat Har Kena'an	21.9	24.3	23.7	22.9	23.1	26.1	25.7
Elon	22.7	22.1	21.8	22.5	23.2	22.4	22.0
Tavor	23.5	23.7	24.4	25.5	25.4	23.5	22.7
Merom Golan Picman	16.2	15.1	22.0	19.5	19.2	23.4	23.7
Avne Eitan	21.3	20.5	23.0	23.1	23.1	20.1	18.6
Jerusalem	24.0	24.7	25.4	24.0	22.7	26.3	26.0
Beit Jamal	20.9	22.5	24.2	24.2	23.7	27.3	23.9
Newe Ya'ar	22.5	23.7	22.6	23.8	23.8	23.7	22.8
Afula Nir HaEmek	23.6	24.0	21.1	23.9	23.9	22.2	24.0
Kefar Blum	24.2	24.0	20.8	21.2	22.5	21.3	19.3
Zemah	25.2	25.3	24.6	24.7	25.6	24.4	24.1
Beer Sheva	23.5	23.7	21.9	21.5	23.4	23.5	23.0
Sede Boqer	20.0	20.9	19.2	18.9	22.4	19.4	22.4
Sede Eliyyahu	24.5	24.7	23.2	23.4	24.1	23.7	25.2
Gilgal	25.9	27.4	26.3	25.7	26.4	26.9	26.2
Sedom	32.1	33.4	32.4	31.5	32.6	32.3	33.3
Hazeva	28.2	30.0	28.1	26.7	27.9	26.7	27.6
Paran	24.0	25.4	23.9	23.8	25.0	25.3	26.9
Yotvata	26.0	27.7	25.9	25.2	24.8	25.1	26.1
Eilat	28.7	30.1	28.6	27.0	28.8	28.0	28.6