



# Government of Pakistan Pakistan Meteorological Department Pakistan Monthly Climate Summary July 2025

## In brief

- The national area-weighted rainfall of 77.70 mm was **above average** with a positive anomaly of **+23%** in July-2025.
- The national mean temperature of 32.45 °C was near the country average of 31.98°C with an anomaly of **+0.1 °C**.
- The daytime (maximum) temperature of 36.85 °C at country-level also happened to be slightly **cooler** by **-0.3 °C** than the country-average of 37.19 °C.
- The country-level nighttime (minimum) temperature of 25.91 °C was **warmer** by **+0.6 °C** than the countrywide average of 25.27 °C.
- The **hottest** day of the month was observed at Chilas (Gilgit-Baltistan) on 5<sup>th</sup> July when it recorded a maximum temperature of **48.5 °C**. Whereas the station Dalbandin, Nokkundi proved to be the **warmest** place with a mean monthly maximum temperature of **44.5 °C**.
- The **coldest** night temperature of **8.0 °C** of the month was recorded at Parachinar (Khyber Pakhtunkhwa) on 12<sup>th</sup> July whereas, the station Murree (Punjab) happened to be the **coldest** place with mean monthly minimum temperature of **15.0 °C**.
- The heaviest one-day rainfall of 216.8 mm occurred at Sheikhpura (Punjab) on 16<sup>th</sup> July. Whereas, the station Islamabad, Zeropoint has been the wettest place with monthly total of 611.71 mm.
- Niño indices indicate a neutral phase i.e. neither La Niña nor El Niño with sea surface temperatures anomaly (SSTs) around -0.19°C over the central equatorial Pacific.
- The Indian Ocean Dipole (IOD) is likely to turn into negative phase.

**Table-1: National Weather Extremes during July 2025**

Hottest day	48.5 °C	at Chilas (Gilgit-Baltistan) on 05 <sup>th</sup>
Coldest day	17.0 °C	at Bagrote (Gilgit-Baltistan) on 16 <sup>th</sup> & 17 <sup>th</sup>
Coldest night	8.0 °C	at Parachinar (Khyber Pakhtunkhwa) on 12 <sup>th</sup>
Warmest night	34.0 °C	at Chilas (Gilgit-Baltistan) on 06 <sup>th</sup>
Wettest day	216.8 mm	at Sheikhpura (Punjab) on 16 <sup>th</sup>
Wettest month	611.7 mm	at Islamabad, Zeropoint

## Synoptic Summary

The monsoon currents from Arabian Sea & Bay of Bengal started penetrating into Southern and Eastern parts of the country at the start of the month, which ultimately more strengthen to spread over Upper and Central parts of the country during the month. Meanwhile, westerly wave continued to prevailed over Northern parts of the country and gripped Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir and Punjab during most of the month. Monsoon dynamics became evident as a monsoon low developed over Bay of Bengal on 11<sup>th</sup> and further moved towards Northwest Madhya Pradesh (India) on 14<sup>th</sup> on the next day shifted towards North Rajasthan (India) as a well-marked low pressure then move towards Southern areas of Punjab on 16<sup>th</sup> and reduced to a trough over there for next two days. While the

heat(Seasonal) low-pressure area (having monthly average pressure of 991 hpa) remained oriented over Northwest Balochistan/West Balochistan during most of the month. Another trough of low prevailed Southeast/Eastern Sindh during 05-09, 14-20, 22-25 with moist fed from Arabian sea during the period. The axis of monsoon remained northward from its mean position throughout the month resultant widespread heavy to very heavy rainfall and (extremely heavy at few places) occurred in Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Punjab and also at scattered places in Balochistan & Sindh during the month. Flash Flood situations seen in Kashmir, Khyber Pakhtunkhwa, Punjab, and low lying areas of Balochistan and Sindh.

**Table-2: Repeated/New Temperature Records Set in July 2025**

S No	Stations	Weather Parameters	New/Repeated value		Past Record		No of years examined.
			Value	Date	Value	Date	
1	DADU	Coldest night Temperature (°C)	20.0	10-Jul-2025	22.4	30-Jul-2015	22
2	BUNJI	Hottest night Temperature (°C)	33.3	04-Jul-2025	33.3	19-Jul-1995	65
3	CHILAS	Hottest night Temperature (°C)	34.0	06-Jul-2025	33.9	18-Jul-1997	65
4	CHITRAL	Hottest night Temperature (°C)	27.8	06-Jul-2025	27.8	09-Jul-1968	65
5	BUNJI	Hottest day Temperature (°C)	46.1	20-Jul-2025	45.6	12-Jul-1971	65
6	CHILAS	Hottest day Temperature (°C)	48.5	20-Jul-2025	47.7	17-Jul-1997	65

**Table-3: Significant Winds (July-2025)**

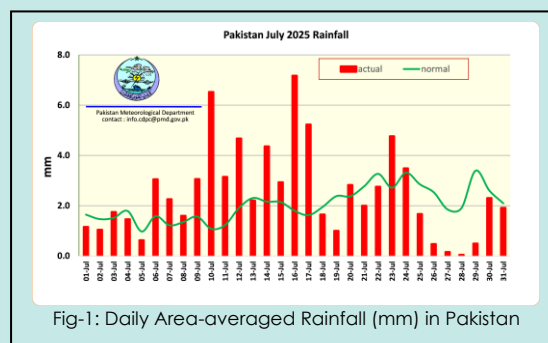
Date	Station	Max Wind Knots	Date	Station	Max Wind Knots	Date	Station	Max Wind Knots	Date	Station	Max Wind Knots
29/2025	Peshawar City	30	06/2025	T.T. Singh	32	03/2025	Multan AP	30	06/2025	Bahawalpur,City	38
13/2025	Peshawar AP	36	07/2025	Lahore AP	30	06/2025	Multan AP	40	06/2025	Bahawalpur,City	32
21/2025	Peshawar AP	30	23/2025	Lahore AP	30	08/2025	Multan AP	30	11/2025	Bahawalpur,City	36
06/2025	Rawalpindi	30	06/2025	Quetta Samungli	30	11/2025	Multan AP	40	06/2025	Bahawalpur,AP	38
05/2025	Islamabad AP	33	06/2025	Layyah	38	24/2025	Multan AP	50	19/2025	Hyderabad	40
09/2025	Islamabad AP	30	02/2025	Multan City	32	06/2025	Khanewal	36			
05/2025	Islamabad ZP	55	06/2025	Multan City	36	05/2025	Bahawalnagar	30			
30/2025	Sialkot AP	30	11/2025	Multan City	38	24/2025	Bahawalnagar	30			

### Rainfall: Slightly above normal as a whole in the country.

Climatologically, July is considered as a rainy month with rainfall contribution to the national annual and seasonal Jul-Sep (JAS) totals being 44.9% and 21.3%, respectively. During the month, Pakistan experienced heavy to very heavy rainfall and (extremely heavy at few places) at AJK, Gilgit-Baltistan, Khyber Pakhtunkhwa and Punjab. The daily area-averaged rainfall is shown in Fig-1.

The July 2025 with 77.7 mm rainfall was **above average** with a positive anomaly of **+23%** for Pakistan as a whole. Whereas a diverse situation was observed on regional scale, Punjab with the 163.50 mm (**+57%**) ranked 8<sup>th</sup> wettest (244.9mm rainfall recorded in 1978) and Gilgit Baltistan with 20.20 mm (**+52%**) both observed largely above average rainfall. Balochistan with 39.30 (**+33%**) and AJK with 197.70 mm (**+14%**) observed above average rainfall. Khyber Pakhtunkhwa with 111.50 (**+5%**) observed near average rainfall. In contrast with the above regions, Sindh with 31.60 mm (**-47%**) observed a well below average rainfall (Table-4).

The heaviest one-day rainfall of 216.8 mm occurred at Sheikhpura (Punjab) on 16<sup>th</sup> July. Whereas the station Islamabad, Zeropoint has been the wettest place with monthly total rainfall 611.7 mm (Table-1).



**Table-4: July 2025 Area Weighted Rainfall**

Region	Rank (of 65y)	Normal (mm)	Average (mm)	Departure (percent)	Comment
Pakistan	47	63.30	77.70	23%	-
Azad Jammu & Kashmir	49	173.90	197.70	14%	-
Balochistan	49	29.70	39.30	33%	-
Gilgit Baltistan	51	13.30	20.20	52%	-
Khyber Pakhtunkhwa	41	106.70	111.50	+05%	-
Punjab	58	104.10	163.50	57%	08th highest (244.9mm rainfall recorded in 1978)
Sindh	28	60.10	31.60	-47%	-

[RANK RANGES FROM 1 (LOWEST) TO 65 (HIGHEST) IN TERMS OF YEARS FROM 1961]

### July 2025 Rainfall maps

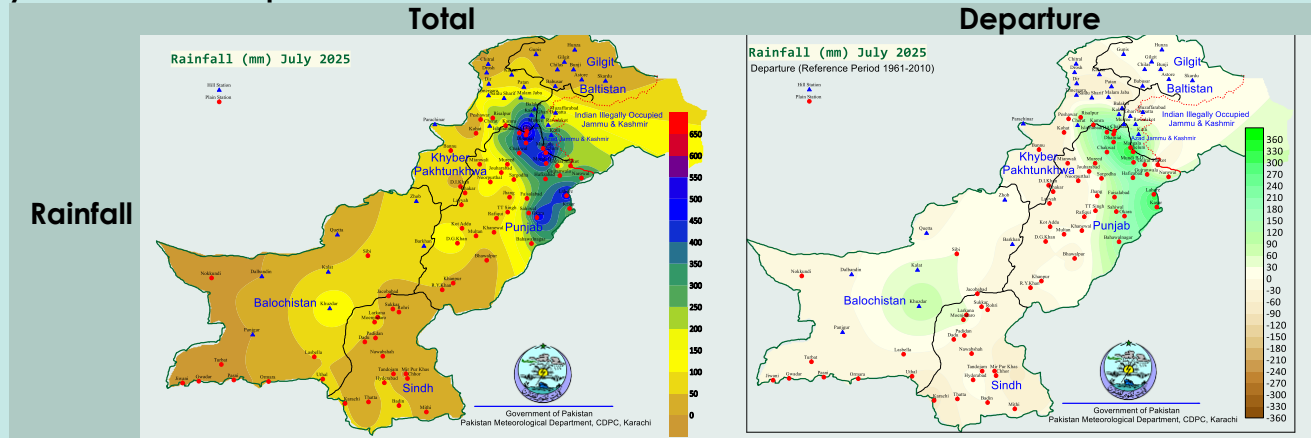


Fig. 2. July-2025 spatial rainfall distribution and departure from normal

Other than the wettest station Islamabad Zero-Point, some other stations recorded significant rainfall i.e. Jhelum 594.5 mm, Chaklala Airbase 557.0 mm, Sheikhupura 538mm, Lahore, Airport 527.9 mm, Okara 494.8 mm, Lahore City 472.3 mm, Mandibahauddin 434.1 mm, Islamabad, Airport 425.4 mm, Kotli 392.4 mm, Chakwal 382.3 mm, Kakul 372.0 mm, Murree 364.0 mm, Mangla 348.6 mm, Muzaffarabad Airport 346.0 mm, Muzaffarabad City 337.3 mm, Hafizabad 308.2 mm, Narowal 308.2 mm, Attock 284.0 mm, Gujranwala 281.8 mm, Garhi Dupatta 279.5 mm, Balakot 267.0 mm, Kasur 262.6 mm and Risalpur 257.0 mm.

A few stations remained absolutely dry with no rain during the month, i.e. Dalbandin, Gawadar, Jiwani, Nokkundi, Panjgur, Pasni, Turbat, whereas the stations: Quetta (Sheikh Manda), Masroor recorded only traces of rainfall during the month.

**Table 5: Temperatures across the country remained with slight anomalies.**

Area Averaged Temperatures (°C) in July 2025 and anomalies from normal 1961-1990						
Regions	Maximum Temperature		Minimum Temperature		Mean Temperature	
	Actual	Anomaly	Actual	Anomaly	Actual	Anomaly
Pakistan	36.85	-0.3	25.91	+0.6	31.41	+0.1
Azad Jammu & Kashmir	31.36	0.0	20.81	+1.0	26.15	+0.5
Balochistan	38.38	+0.1	26.08	+0.7	32.26	+0.4
Gilgit-Baltistan	33.74	-0.1	20.03	+0.7	26.92	+0.3
Khyber Pakhtunkhwa	34.57	-0.7	23.75	+0.3	29.17	-0.2
Punjab	36.51	-1.4	27.34	+0.3	31.96	-0.8
Sindh	37.41	-0.2	28.29	+0.9	32.88	+0.3

### Area Weighted Mean Temperatures (near average)

The July 2025 national mean temperature of 31.41 °C was near average than the country-average of 31.36 °C with an anomaly of only +0.1°C. A situation prevailed on regional scale i.e. Sindh with 32.88 °C (+0.3 °C), Balochistan with 32.26 °C(+0.4 °C), Punjab with 31.96 °C (-0.8°C), Khyber Pakhtunkhwa with 29.17 °C(-0.2 °C), Gilgit Baltistan with 26.92°C (+0.3 °C), Azad Jammu & Kashmir with 26.15°C (+0.5°C). (Table-5, Fig-3 lower panel). The mean temperature anomalies ranged from -2.0 °C to +2.7 °C in the country with those being considerably higher over western Balochistan.

### Area Weighted Maximum temperatures (with slight anomalies)

The country-level monthly mean maximum (daytime) temperature of 36.85 °C of the month was also near average by a slight negative anomaly of (-0.3°C) than the country average of 37.19 °C. So was a trend at regional scale; Punjab with 36.51°C (-1.4 °C) ranked as 4<sup>th</sup> Lowest (record 34.42°C in 1978), Khyber Pakhtunkhwa with 34.57 °C (-0.7 °C), Sindh with 37.41 °C (-0.2 °C), Azad Jammu & Kashmir with 31.36°C (0.0°C), Balochistan with 38.38 °C (+0.1 °C), Gilgit Baltistan with 33.74 °C (-0.1 °C) all recorded near average maximum temperatures. (Table-5, Fig-3 upper panel). The mean maximum temperature anomalies remained in the range from -3.5 °C to +2.3 °C in the country with those being considerably higher over western Balochistan.

The hottest day of the month was 48.5 °C recorded at Chilas (Gilgit-Baltistan) on 5<sup>th</sup> July. Whereas the station Dalbandin, Nokkundi proved to be the warmest place with a mean monthly maximum temperature of 44.5 °C.

### Area Weighted Minimum temperatures (warmer than average temperatures)

The country's monthly mean minimum (night-time) temperature of 25.91 °C in the month was warmer, by +0.6 °C, than average 25.27 °C and ranked the 6<sup>th</sup> highest of the past 65 years (the record is 26.63°C in 2024). A similar trend was found across the regions i.e. Sindh with 28.29 °C (+0.9 °C) ranked 4<sup>th</sup> highest (the record being 29.25°C in 2024), Balochistan with 26.08 °C(+0.7 °C) ranked 7<sup>th</sup> highest (record is 26.77°C in 2024 ), AJK with 20.81°C (+1.0 °C) ranked 8<sup>th</sup> highest (record is 21.29°C in 1976 ), Gilgit Baltistan with 20.03°C (+0.7°C) ranked 10<sup>th</sup> highest (the record being 22.04°C in 1977 ) all exhibited warmer than average minimum temperatures. Whereas, Khyber Pakhtunkhwa with 23.75°C (+0.3°C) and Punjab with 27.34 °C (+0.3 °C), recorded near average with slight positive anomalies (Table-5, Fig-3, middle panel). The mean minimum temperature anomalies ranged from -2.1 °C to +4.3 °C in the country with those being considerably higher over Western Balochistan.

The lowest night (minimum) temperature of the month was 8.0 °C recorded at Parachinar (Khyber Pakhtunkhwa) on 12<sup>th</sup> July, whereas the station Murree (Punjab) happened to be the coldest place with mean monthly minimum temperature of 15.0 °C.

## July 2025 Temperature maps

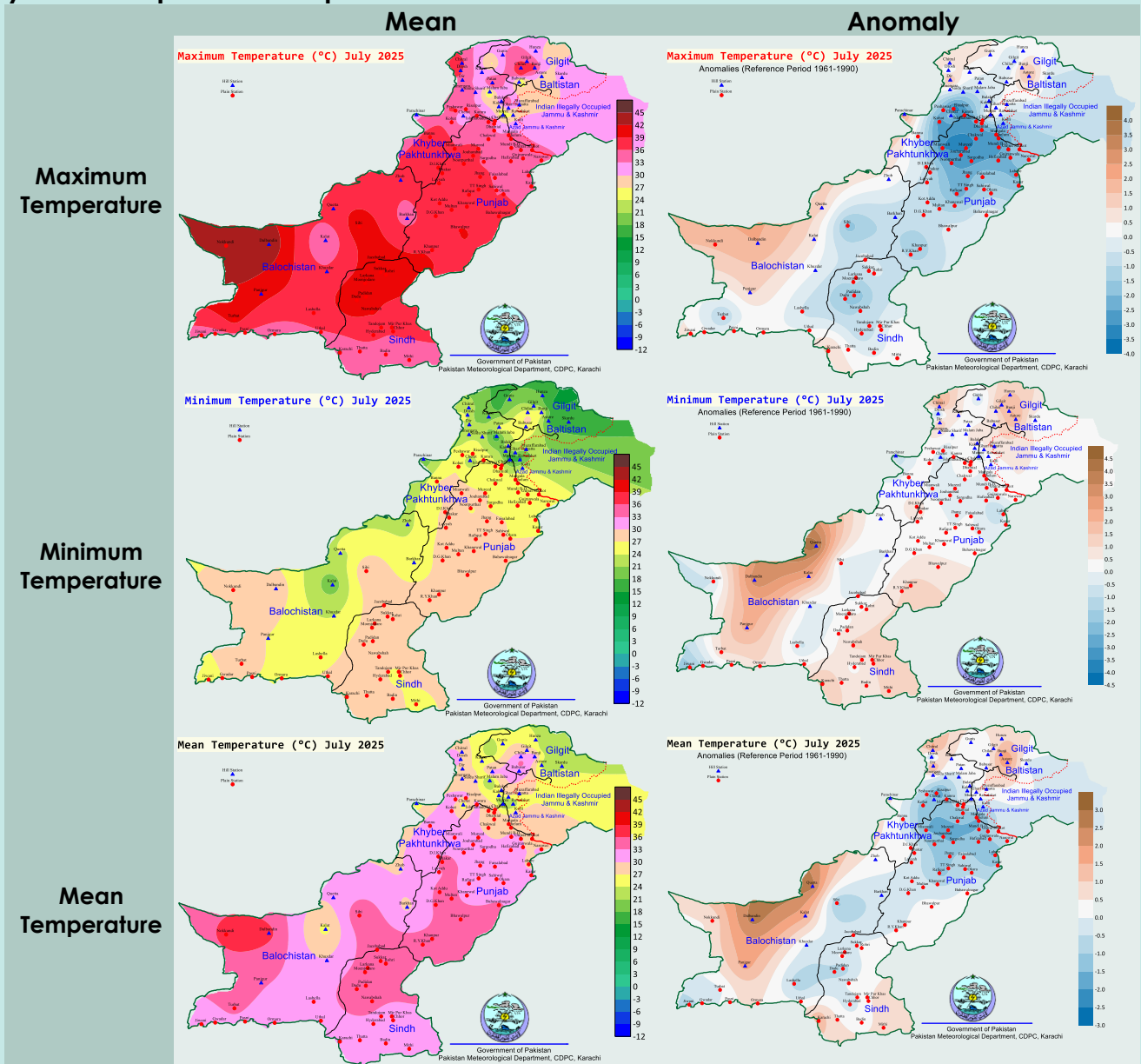


Fig. 3. July-2025 Temperatures (Maximum, Minimum & Mean) and their anomalies.

**Table 6: July 2025 Monthly Averages & Normals**

Station	Pressure (mb)		Temperature (°C)			Vapour (mb)	Precipitation	
	Station Level	Sea Level	Mean	Maximum	Minimum	Pressure	Total (mm)	Days
Drosh	843.6	1396.4	29.1	36.6	21.5	17.0	22.9	6.0
	844.3	1404.2	30.1	36.9	23.3	14.9	22.1	5.4
Peshawar	962.0	997.8	31.5	36.5	26.5	33.7	20.5	4.0
	956.5	995.3	32.1	37.7	26.5	27.9	46.1	6.9
Parachinar	822.5	1436.6	25.2	31.9	18.4	15.7	80.0	5.0
	821.2	1424.4	24.0	29.8	18.2	17.6	99.4	11.9
Rawalpindi	943.4	998.5	29.1	33.0	25.1	29.3	557.0	17.0
	941.9	996.9	28.8	34.8	24.2	27.3	305.3	15.6
Sargodha	976.4	996.5	31.9	36.2	27.6	34.2	155.7	8.0
	976.7	996.7	32.5	37.9	27.2	30.3	113.6	9.5
Jhelum	971.6	997.4	29.3	33.0	25.5	34.7	594.5	16.0
	971.1	996.8	30.7	35.6	25.9	30.1	263.2	15.3
Sialkot	969.7	997.8	29.7	33.5	25.7	33.8	230.7	18.0
	969.4	997.4	29.8	34.4	25.2	30.6	304.1	15.1
Zhob	847.3	1376.2	29.8	36.2	23.3	20.1	77.0	10.0
	848.3	1395.1	29.5	35.9	23.1	17.5	61.1	5.1
D.I. Khan	977.1	996.0	32.8	37.9	27.7	33.6	53.6	5.0
	976.7	995.5	32.5	38.4	26.6	30.6	60.5	5.9
Lahore	974.0	997.6	29.9	34.0	25.7	34.2	472.3	15.0
	973.2	996.6	31.3	35.7	26.8	30.7	212.1	13.1
Quetta	833.6	1415.4	30.6	37.0	24.2	12.3	1.0	1.0
	832.6	1408.0	28.0	36.1	20.3	14.3	16.3	1.9
Multan	982.7	996.1	33.7	38.2	29.1	33.3	64.7	4.0
	982.3	995.7	33.8	39.0	28.7	30.4	60.3	4.4
Barkhan	880.3	1406.3	29.3	34.7	23.8	24.1	92.0	7.0
	880.7	1410.9	29.7	35.5	23.8	22.2	109.3	7.7
Nokkundi	919.2	989.3	36.4	44.5	28.1	7.3	0.0	0.0
	921.5	992.2	35.1	43.1	28.6	13.4	2.0	0.2
Dalbandin	903.8	1404.1	36.9	44.5	29.2	10.6	0.0	0.0
	904.7	1397.2	34.3	42.1	24.9	10.4	7.2	0.2
Jacobabad	989.7	995.8	34.7	40.3	29.0	34.7	34.0	3.0
	989.2	995.2	34.6	40.2	29.1	31.4	42.8	2.1
Khanpur	986.7	996.4	33.6	38.6	28.5	34.1	33.5	2.0
	985.9	995.7	33.3	39.6	27.0	29.9	25.8	2.6
Panjgur	891.5	1406.4	33.4	39.9	26.9	17.5	0.0	0.0
	893.6	1419.9	31.8	38.9	24.8	10.7	21.2	1.7
Khuzdar	867.2	1408.9	30.2	36.4	23.9	10.1	141.4	11.0
	863.3	1394.2	30.3	36.5	24.1	8.9	60.5	5.0
Sh. Benazirabad	993.3	996.5	34.1	39.5	28.7	35.0	34.0	1.0
	992.6	996.3	34.0	40.5	27.4	33.0	50.9	1.3
Jiwani	992.0	998.3	29.3	33.3	25.3	32.6	0.0	0.0
	991.9	998.2	29.5	32.4	26.8	31.1	8.6	0.2
Pasni	997.6	998.1	30.6	34.2	26.9	34.1	0.0	0.0
	997.1	997.7	29.2	33.3	27.2	31.0	5.0	0.5
Hyderabad	992.7	997.4	32.3	36.5	28.1	32.4	75.6	2.0
	993.3	996.8	32.5	37.3	27.7	30.2	45.5	2.0
Chhor	997.5	998.2	32.4	36.5	28.2	35.0	9.0	4.0
	996.8	997.4	31.4	36.4	26.4	31.1	79.3	3.3
Karachi	995.9	998.6	31.6	34.2	28.9	32.7	2.0	1.0
	996.2	998.9	30.3	33.1	27.5	31.3	66.3	3.4

Note: The first row against each station contains the actual values while second row for normal values



**Table 7: July 2025 extreme values**

STATION	Mean Temperature (°C)				Temperature (°C)				Highest (mm & knots)			
	Highest	Date	Lowest	Date	Highest	Date	Lowest	Date	Rain	Date	Wind Speed	Date
Drosh	32.2	03*	22.3	14	40.0	03	16.5	14	8.0	26	15.0	07
Peshawar	35.3	05	27.4	23	40.5	5*	23.3	11	10.0	07	15.0	21
Parachinar	29.0	27*	19.0	12	36.2	30	8.0	12	25.0	22	8.0	21
Rawalpindi	32.7	28	24.4	17	37.0	28	22.1	01	146.0	17	30.0	06
Sargodha	36.3	05	27.8	10*	42.3	05	23.2	10	68.9	24	8.0	6*
Jhelum	32.9	05	25.5	16	37.0	27	22.7	2*	120.2	23	8.0	6*
Sialkot	32.5	26	26.5	10	38.0	27	23.7	10*	48.4	10	6.0	13*
Zhob	32.5	28	27.8	17	40.0	28	21.0	16*	15.0	13	10.0	31
D.I.Khan	36.9	05	27.0	15	43.5	05	23.5	14	18.0	07	14.0	30
Lahore	33.4	05	26.4	10	38.0	04	21.5	23	115.2	10	10.0	10
Quetta	32.5	02	28.3	15	40.0	02	22.5	16	1.0	05	26.0	03
Multan	37.0	05	27.0	15	42.2	05	24.0	12	27.6	12	18.0	06
Barkhan	33.3	29	25.0	14	39.5	29	20.5	14	29.0	24	8.0	06
Nokkundi	39.8	06	33.5	17	47.5	2*	23.5	31	0.0	00	22.0	27
Dalbandin	39.3	03	32.5	14	47.5	03	26.0	14*	0.0	00	8.0	3*
Jacobabad	38.3	05	31.0	20	45.0	05	25.0	10	22.0	10	6.0	3*
Khanpur	36.0	06	29.3	14	41.2	5*	24.0	12	20.4	12	8.0	10*
Panjgur	35.3	29	31.3	09	42.5	26*	25.0	15	0.0	00	12.0	30
Khuzdar	32.3	02	27.5	20	40.5	02	22.5	7*	23.0	11	8.0	1*
Sh. Benazirabad	36.0	29	29.3	20	42.5	13*	26.0	20	34.0	20	16.0	1*
Jiwani	30.5	09	28.8	04*	35.0	09	24.5	3*	0.0	00	14.0	10*
Pasni	31.8	15	29.5	04*	35.5	13*	25.5	30	0.0	00	6.0	14*
Hyderabad	34.9	14	29.1	20	40.5	14	23.4	15	57.0	15	40.0	19
Chhor	34.0	15	29.5	20	39.0	5*	25.0	20	5.0	20	16.0	29
Karachi	32.5	12	30.2	29*	35.8	08	27.5	03	2.0	20	14.0	23*

\* means value occurred multiple times

### **Note**

Monthly Climate Summary is produced by Pakistan Meteorological Department, Climate Data Processing Centre, Karachi to provide the main features of weather events occurred in the country during the month. The summary contains detailed data information of 25 climate stations of Pakistan. The extremes & analysis is based on 110 numbers of stations. The information in the summary is based on real time data and/or electronic reports, therefore, the above results can be considered only preliminary. Climate Summaries are usually published in the first week of each month. Long term average for rainfall is for 1961-2010 (50 years) while normal period for temperature is 1961-1990 (30 years). The records mentioned for area-weighted rainfall and area average temperatures have been examined for the past 65 years i.e. from 1961-2025.

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