

#### Government of Pakistan

# Pakistan Meteorological Department Pakistan Monthly Climate Summary June 2025

#### In brief

- The national area-weighted rainfall of 24.30 mm was **above average** with a positive anomaly of **+31%** in June-2025.
- The last week of the month (i.e. 26 June onwards) saw the onset of monsoon over the country.
- The national mean temperature of 32.45 °C was slightly warmer than the country-average of 31.98 °C with an anomaly of +0.47 °C.
- The daytime (maximum) temperature of 39.09 °C at country-level near average with a slight positive anomaly of +0.24 °C.
- The country-level nighttime (minimum) temperature of 25.77°C was too warmer by bigger amount of +1.09°C than the countrywide average of 24.68 °C.
- The hottest day of the month was observed at Jacobabad (Sindh) on 13<sup>th</sup> when it recorded a maximum temperature of 50.5 °C. Whereas the station Sibbi proved to be the warmest place with a mean monthly maximum temperature of 46.2 °C.
- The coldest night temperature of 5.5°C of the month was recorded at Bagrote (Gilgit-Baltistan) on 1st June, whereas the station Rawalakot (Azad Jammu & Kashmir, AJK) happened to be the coldest place with mean monthly minimum temperature of 12.9°C.
- The heaviest one-day rainfall of 101.6 mm occurred at Attock (Punjab) on 28<sup>th</sup> June. Whereas, the station Malam Jabba (Khyber Pakhtunkhwa) has been the wettest place with monthly total of 249.0 mm.
- Niño indices are indicating a neutral phase i.e. neither La Niña nor El Niño with sea surface temperatures (SST) anomaly around -0.07°C over the central equatorial Pacific Ocean.
- The Indian Ocean Dipole (IOD) is also in neutral phase.

# Table-1: National Weather Extremes during June2025

Hottest day	50.5 °C	at Jacobabad (Sindh) on 13 <sup>th</sup>
Coldest day	15.0 °C	at Bagrote (Gilgit-Baltistan) on 3 <sup>rd</sup>
Coldest night	5.5 °C	at Bagrote (Gilgit-Baltistan) on 1st
Warmest night	34.0 °C	at Sibi (Balochistan) on 21st
Wettest day	101.6 mm	at Attock (Punjab) on 28 <sup>th</sup>
Wettest month	249.0 mm	at Malam Jabba (Khyber Pakhtunkhwa)

# Synoptic Summary

In June, five westerly troughs entered the Northern parts of the country and gripped Gilgit-Baltistan (GB), Khyber Pakhtunkhwa (KP), Kashmir (AJK), north & central Punjab, Northeast Balochistan during 1-4, 7-10, 13-17, 20-23 and 25-30 June, alongside enduring heat lows over Southern Punjab and Eastern Sindh from 1-4 & 13-17 June. The seasonal low remained oriented over Northwest Balochistan, with minor positional shifting during the month. Moist currents from the Arabian Sea and Bay of Bengal began affecting central and upper parts from 13-16 June and then Eastern parts of the country from 25-30 June with a monsoon low developed near the Sindh coast on 26 June, persisted for subsequent two days and then

moved over the Northeast Arabian Sea enhancing moisture influx into eastern Pakistan, signaling the onset of the monsoon season.

Resultantly, widespread rain/Thundershowers occurred in Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Punjab, Balochistan and Sindh during last week of the month causing flash floods in Upper Khyber Pakhtunkhwa and Punjab, while heat wave conditions were observed in Southern Punjab, Balochistan and Upper Sindh for few days in the month.

Table-2: Repeated Temperature Records Set in June 2025

C No	S No Stations	Weather Parameters	New/	Repeated value	Pa	st Record	No of years
2 NO	Stations	weather Parameters	Value	Date	Value	Date	examined.
1	CHHOR	Hottest night Temperature (°C)	32.5	17/Jun/2025	31.6	18/Jun/2007	65
2	PANJGUR	Hottest night Temperature (°C)	32.5	23/Jun/2025	32.0	16/Jun/2008	65
3	QUETTA. (SAMUNGLI)	Hottest night Temperature (°C)	26.5	26/Jun/2025	26.0	2days/Jun/2023	65
4	ASTORE	Hottest day Temperature (°C)	35.0	20/Jun/2025	35.0	28/Jun/1978	72
5	BUNJI	Hottest day Temperature (°C)	43.3	20/Jun/2025	43.3	24/Jun/2023	65
6	PASNI	Hottest day Temperature (°C)	49.0	14/Jun/2025	49.0	02/Jun/2015	109

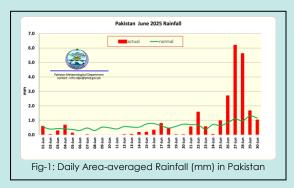
Table-3: Significant Winds (June-2025)

Date	Station	Max Wind Knots	Date	Station	Max Wind Knots	Date	Station	Max Wind Knots	Date	Station	Max Wind Knots
07/2025	Peshawar City	35	25/2025	Islamabad AP	40	02/2025	Lahore AP	32	26/2025	Multan AP	30
14/2025	Peshawar AP	36	29/2025	Islamabad AP	48	29/2025	Lahore AP	52	27/2025	Multan AP	30
07/2025	Rawalpindi	30	30/2025	Islamabad AP	30	14/2025	Quetta Samungli	30	07/2025	Peshawar BKIA	30
13/2025	Rawalpindi	30	30/2025	Islamabad ZP	30	15/2025	Multan City	30			
07/2025	Islamabad AP	34	30/2025	Sialkot AP	30	26/2025	Multan City	34			
13/2025	Islamabad AP	39	29/2025	Lahore City	44	15/2025	Multan AP	36			

#### Rainfall: Above average

Climatologically, June is considered as an average rainy month with rainfall contribution to the national annual total and season Apr-Jun (AMJ) being 6.2% and 33.2%, respectively. During the month, Pakistan experienced few widespread rain/Thundershowers spells in KP, GB, AJK, Punjab, Balochistan and Sindh. The daily area-averaged rainfall is shown in Fig-1.

The June 2025 with 24.3 mm rainfall was **above average** with a departure of **+31%** for Pakistan as a whole. Whereas



a diverse situation was observed on regional scale. i.e., Sindh with 33.90 mm (+232%) observed an excessively above average rainfall and ranked 8<sup>th</sup> wettest (51.6mm rainfall recorded in 1964). Punjab with 42.50 mm (+44%) also observed an above average rainfall. In contrast, Balochistan with 6.50 mm (-28%), GB with 9.10 mm (-16%) and AJK with 55.50 mm (-12%) observed below-average rainfall. The KP with 37.40 mm (+4%) was the only region to have exhibited a near average rainfall (Table-4). The heaviest one-day rainfall of 101.6 mm occurred at Attock (Punjab) on 28<sup>th</sup>June. Whereas the station Malam Jabba (KP) has been the wettest place with monthly total rainfall 249.0 mm (Table-1).

Table-4: June 2025 Area Weighted Rainfall

Region	Rank (of 65y)	Normal (mm)	Average (mm)	Departure (percent)	Comment						
Pakistan	49	18.60	24.30	31%	-						
Azad Jammu & Kashmir	34	63.00	55.50	-12%	-						
Balochistan	36	9.10	6.50	-28%	-						
Gilgit Baltistan	34	10.80	9.10	-16%	-						
Khyber Pakhtunkhwa	39	36.00	37.40	+04%	-						
Punjab	45	29.40	42.50	44%	-						
Sindh	58	10.20	33.90	232%	08 <sup>th</sup> highest (51.6mm rainfall recorded in 1964)						

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

June 2025 Rainfall maps

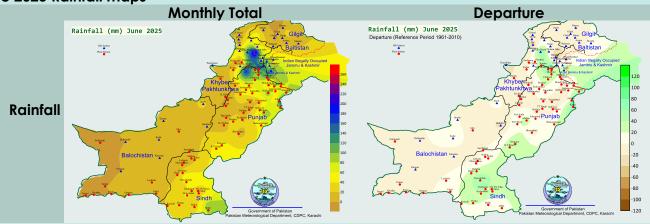


Fig. 2. June-2025 spatial rainfall distribution and departure from normal

Alongside the wettest station, Malam Jabba (KP), some other individual stations also have recorded notable rainfalls, i.e. Attock 186.8 mm, Islamabad-Zeropoint 167.0 mm, Lahore, Airport 155.0 mm, Kotli 132.0 mm, Saidu Sharif 126.0 mm, Kamra Airbase 123.6 mm, Murree 123.0 mm, Chaklala Airbase 121.0 mm, Mangla 113.6 mm, Garhi Dupatta 111.5 mm and Hafizabad 101.0 mm. On the other hand, few stations remained absolutely dry with no rain during the month, i.e. Layyah, Hunza, D.I. Khan (City), Dalbandin, Gwadar, Jiwani, Nokkundi, Panjgur, Pasni, Turbat, whereas the stations: Chilas, Bannu, Khuzdar, Quetta (Sheikh Manda), recorded only traces of rainfall during the month.

Table 5: Monthly Temperature Trends (Warmer-than-average) across the country & Sub-regions

Area Averaged Temperatures(°C) in June2025 and anomalies from normal 1961-1990												
Regions	Maximun	n Temperature	Minimum	Temperature	Mean Temperature							
	Actual	Anomaly	Actual	Anomaly	Actual	Anomaly						
Pakistan	39.09	+0.24	25.77	+1.09	32.45	+0.47						
Azad Jammu & Kashmir	33.64	+1.37	19.81	+1.56	26.74	+1.46						
Balochistan	39.67	+0.47	25.66	+0.95	32.69	+0.45						
Gilgit-Baltistan	33.14	+1.92	17.47	+1.25	25.34	+1.60						
Khyber Pakhtunkhwa	37.17	+0.32	23.63	+1.28	30.42	+0.81						
Punjab	40.47	-0.75	28.25	+1.24	34.38	+0.01						
Sindh	40.47	+0.02	28.46	+0.78	34.48	+0.24						

### Area Average Mean Temperatures (slightly warmer)

The June 2025 national mean temperature of 32.45 °C was slightly warmer than the country-average of 31.98 °C with anomaly of +0.47 °C. A similar trend prevailed on regional scale i.e. over AJK with 26.74°C (+1.46 °C) it ranked 4<sup>th</sup> warmest in past 65 years (the record is 26.9 °C in 1973), KP with 30.42 °C (+0.81 °C) and GB with 25.34 °C (+1.60 °C) recorded the 6<sup>th</sup> & 7<sup>th</sup> warmest month respectively during the past 65 years (the records are 31.56 °C in 1984 and 27.57 °C in 1971). Balochistan with 32.69 °C (+0.45 °C) too recorded warmer than average temperature, while, Sindh with 34.48 °C (+0.01 °C) and Punjab with 34.38 °C (+0.24 °C) observed near the average temperatures (Table-5, Fig.3 lower panel). The mean temperature anomalies ranged from -1.1 °C to +4.2 °C in the country with those being considerably higher over western Balochistan and upper Sindh.

The hottest day of the month was 50.5°C recorded at Jacobabad (Sindh) on 13<sup>th</sup> June. Whereas the stations Sibbi happened to be the warmest place with average maximum temperature of 46.2 °C during the month (Table-1).

### **Area Average Maximum temperatures (**near-average temperatures**)**

The country-level monthly mean maximum (daytime) temperature of 39.09 °C was near average with slight positive anomaly of +0.24 °C. However, a diverse trend was observed at regional scale; for AJK with 33.64 °C (+1.37 °C) it ranked the 5<sup>th</sup> highest (the record is 34.08 °C in 1963) and GB with 33.14 °C (+1.92 °C) the 8<sup>th</sup> highest (the record is 34.99 °C in 2008), Balochistan with 39.67 °C (+0.47 °C), KP with 37.17 °C (+0.32 °C) also recorded above-average maximum temperatures and Sindh with 40.47 °C (+0.02 °C) recorded a near average temperature. On the other hand, Punjab with 40.47 °C (-0.75 °C) was the only region to have observed cooler-than-average temperature (Table-5, Fig-3 upper panel). The mean maximum temperature anomalies remained in the range from -2.1 °C to +3.5 °C in the country with those being considerably higher over GB.

# Area Average Minimum temperatures (above-average temperatures)

The country's monthly mean minimum (night-time) temperature of 25.77 °C was also warmer but by higher amount of +1.09 °C than the average 24.68 °C and ranked as the 6th highest during the past 65 years (the record is 26.23 °C in 1971). A similar trend was found across the regions i.e. for AJK with 19.81 °C (+1.56 °C) it ranked as the 4th highest in the past 65 years (record is 20.44 °C in 1971), for Punjab with 28.25 °C (+1.24 °C) and KP with 23.63 °C (+1.28 °C) both ranking as the 6th highest (the record being 28.78 °C in 1971 and 24.43 °C in 1973 respectively), Sindh with 28.46 °C (+0.8 °C) ranked the 7th highest (the record is 28.84 °C in 2020), GB with 17.47 °C (+1.25 °C) recorded the 8th warmest (the record is 20.73 °C in1973) and Balochistan with 25.66 °C (+0.95 °C) too recorded warmer than average minimum temperatures (Table-5, Fig-3, middle panel). The mean minimum temperature anomalies ranged from -2.9 °C to +6.0 °C in the country with those being considerably higher over Western Balochistan.

The lowest night (minimum) temperature of the month was 5.5 °C recorded at Bagrote (GB) on 1st June. Whereas the Weather observing station Rawalakot (AJK) happened to be the coldest places with mean monthly minimum temperature of 12.9 °C (Table-1).

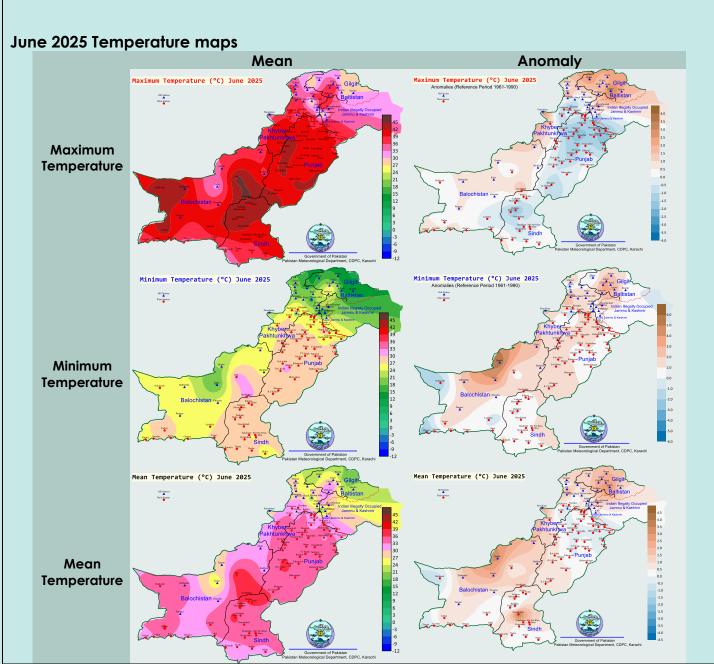


Fig. 3. June-2025 Temperatures (Maximum, Minimum& Mean) and their anomalies.

Table 6: June 2025 Monthly Averages & Normals										
Station	Pressure	e (mb)		Temperature	(°C)	Vapour (mb)	Precipito	tion		
Sidiloff	Station Level	Sea Level	Mean	Maximum	Minimum	Pressure	Total (mm)	Days		
Drosh	846.0	1421.9	27.6	35.9	19.3	13.3	5.4	3.0		
DIOSII	846.7	1427.6	28.3	35.8	20.8	9.6	19.7	4.9		
De ala au com	962.2	997.9	32.9	40.1	25.6	25.9	8.4	3.0		
Peshawar	956.5	995.4	33.0	40.2	25.4	20.0	12.1	4.0		
Dama alain an	825.6	1468.2	27.3	33.8	20.8	14.1	23.0	1.0		
Parachinar	821.8	1428.6	23.8	30.7	16.9	11.2	49.3	8.8		
D 1	943.8	998.3	32.1	37.7	26.5	20.9	121.0	7.0		
Rawalpindi	942.0	996.7	30.5	38.4	23.5	19.1	70.1	8.2		
	976.9	996.7	34.8	41.0	28.5	27.9	49.8	2.0		
Sargodha	977.0	995.7	34.2	41.6	26.8	22.9	33.4	6.0		
	971.9	997.4	33.4	39.6	27.3	25.9	64.2	4.0		
Jhelum	971.0	996.4	32.9	40.2	25.7	21.5	57.1	7.7		
	970.2	998.1	32.2	38.2	26.1	26.4	73.0	9.0		
Sialkot	969.2	996.8	32.1	39.2	25.0	21.7	73.0	7.7		
	850.5	1409.5	31.4	37.9	24.8	14.4	24.0	2.0		
Zhob	850.0	1406.8	29.9	36.9	22.8	12.2	14.7	2.5		
	977.6	996.3	35.1	41.7	28.5	26.7	0.0	0.0		
D.I.Khan	976.9	995.7	33.7	41.1	26.3	23.6	22.2	3.0		
	974.5	997.9	33.2	38.8	27.5	25.7	46.4	6.0		
Lahore	973.1	996.4	33.6	39.9	27.2	22.9	51.3	6.1		
	836.0	1441.4	28.9	35.8	21.9	6.5	3.0	1.0		
Quetta	834.3	1424.2	26.1	35.4	16.8	10.8	1.5	0.9		
	983.1	996.5	36.0	41.5	30.4	26.1	43.4	1.0		
Multan	982.5	995.8	35.4	42.2	28.6	23.7	15.1	2.4		
	881.5	1421.4	32.1	38.3	25.8	16.6	17.0	2.0		
Barkhan	881.4	1421.8	31.1	37.7	24.4	15.4	43.0	3.6		
	922.6	993.4	34.3	42.8	25.6	6.1	0.0	0.0		
Nokkundi	924.1	995.0	34.6	42.9	27.5	11.8	0.0	0.0		
	907.4	1436.9	34.6	42.9	26.3	9.4	0.0	0.0		
Dalbandin	907.0	1431.3	33.3	41.3	22.4	8.5	0.6	0.2		
	989.9	995.9	38.4	45.9	30.8	23.9	3.0	1.0		
Jacobabad	989.6	995.4	37.0	44.5	29.5	24.5	3.0	0.4		
	986.7	996.4	35.4	41.5	29.2	31.7	47.9	2.0		
Khanpur	986.2	995.9	34.8	42.7	27.0	24.9	3.4	0.8		
	894.2	1432.7	32.7	40.0	25.5	16.0	0.0	0.0		
Panjgur	896.5	1438.9	31.8	39.5	24.2	9.1	4.0	0.2		
	869.0	1428.8	31.9	38.4	25.3	6.7	0.1	0.0		
Khuzdar	866.5	1411.0	31.4	38.1	24.3	6.0	12.6	1.3		
	994.0	997.2	35.6	42.8	28.2	33.0	66.0	3.0		
Sh. Benazirabad	993.2	997.0	35.6	43.7	27.6	29.9	2.8	0.3		
	993.2	999.5	30.0	35.4	24.5	33.3	0.0	0.0		
Jiwani	992.9	999.2	30.6	34.3	26.9	32.4	0.9	0.1		
	998.8	999.3	31.5	36.6	26.4	32.6	0.0	0.0		
Pasni	998.3	999.0	30.0	35.2	26.8	32.1	0.4	0.0		
	993.2	997.9	34.0	39.5	28.3	31.1	45.0	2.0		
Hyderabad	993.9	997.9	34.1	40.2	28.0	29.3	6.3	0.7		
	998.4	999.1	34.1	39.8	28.6	34.4	42.0	2.0		
Chhor	997.3	997.9	33.6	40.3	26.9	29.1	18.4	1.2		
	997.3	999.4	32.3	35.5	29.1	33.4	29.7	3.0		
Karachi										
	997.0	999.5	31.7	35.2	28.1	31.8	6.7	0.9		

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

Table 7: June 2025 extreme values

STATION	Med	an Temp	erature (°C	:)	Temperature (°C)				Highest (mm & knots)			
SIATION	Highest	Date	Lowest	Date	Highest	Date	Lowest	Date	Rain	Date	Wind Speed	Date
Drosh	32.3	25	21.9	01	41.6	25	12.2	01	2.0	14	15.0	11
Peshawar	36.1	20	27.3	01	44.7	10	18.0	01	4.0	08	20.0	29
Parachinar	30.8	12	19.0	27	37.5	12	12.0	28	23.0	26	7.0	21*
Rawalpindi	37.3	11	26.6	01	44.5	11	20.2	01	58.0	22	26.0	21
Sargodha	39.3	13	27.4	26	47.8	9*	22.8	04	45.2	26	12.0	15
Jhelum	38.9	11	27.9	01	47.2	11	19.2	01	37.8	22	12.0	25
Sialkot	37.2	11	27.3	03	46.0	10	21.0	01	35.0	25	6.0	13*
Zhob	34.8	19*	28.0	02	42.0	9*	21.0	4*	20.0	28	14.0	13
D.I.Khan	38.8	10	30.3	03	48.5	10	24.0	04	0.0	00	16.0	15
Lahore	38.4	12	26.6	26	46.2	12	22.2	04	12.0	27	10.0	2*
Quetta	33.0	26	23.5	01	40.5	25	16.5	1*	3.0	29	30.0	14
Multan	39.3	13	29.9	27	46.6	13	23.5	27	43.4	27	18.0	26*
Barkhan	34.8	12*	28.3	17	42.0	11*	21.0	17	15.0	17	6.0	24
Nokkundi	37.0	26	30.8	01	46.5	18	23.0	14*	0.0	00	20.0	01
Dalbandin	38.8	20	30.3	01	47.0	19	21.0	3*	0.0	00	14.0	13
Jacobabad	41.0	13	34.8	27	50.5	13	28.0	27	3.0	27	6.0	14*
Khanpur	38.5	19	31.0	27	45.6	19	25.4	27	29.0	27	8.0	12*
Panjgur	37.0	23*	28.8	06	43.5	25	18.0	22	0.0	00	18.0	01
Khuzdar	33.5	20	30.5	28	41.0	21*	23.5	30	0.1	30	8.0	14*
Sh.Benazira bad	37.8	18	30.4	28	47.2	07	25.0	28	54.0	28	22.0	27
Jiwani	34.3	02*	28.0	18	43.0	02	23.0	18*	0.0	00	14.0	10
Pasni	37.3	14	28.8	29	49.0	14	24.5	29	0.0	00	20.0	09
Hyderabad	37.5	18	28.3	27	44.5	12*	25.5	27	29.0	27	26.0	10*
Chhor	37.8	17	29.5	27	44.0	12*	26.0	09	38.0	27	14.0	2*
Karachi	35.5	17	28.8	28	40.0	16	26.5	29	18.2	29	16.0	7*

<sup>\*</sup> means value occurred multiple times

#### <u>Note</u>

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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