



Government of Pakistan Pakistan Meteorological Department Pakistan Monthly Climate Summary September 2025

In brief

- The national area-weighted rainfall of 32.5 mm was **largely above average** with a positive anomaly of **+52%** in September-2025.
- The national mean temperature of 29.13 °C was **warmer** than the country-average of 27.98°C with an anomaly of **+1.1 °C** and ranked 5th highest Mean temperature in past 65 years.
- The daytime (maximum) temperature of 35.01 °C at country-level was near average with a positive anomaly of **+0.5 °C**.
- The country-level nighttime (minimum) temperature of 23.18°C was **significantly warmer** by **+2.2°C** than the countrywide average of 21.02 °C and ranked 3rd highest in the past 65 years.
- The **hottest** day of the month was observed at Turbat (Balochistan) on 29th when it recorded a maximum temperature of **46.0 °C**. The station Sibi (Balochistan) proved to be the **warmest** place with a mean monthly maximum temperature of **28.0 °C**.
- The **coldest** night temperature of **7.0°C** of the month was recorded at Malam Jabba (Khyber Pakhtunkhwa) on 26th September, whereas the station Skardu (Gilgit Baltistan) happened to be the **coldest** place with mean monthly minimum temperature of **11.3°C**.
- The heaviest one-day rainfall of 110.0 mm occurred at Thatta (Sindh) on 10th September. The same station has been the wettest place with monthly total of 197 mm.
- Niño indices are indicating a neutral phase i.e. neither La Niña nor El Niño with sea surface temperatures (SST) anomaly around **-0.7 °C** over the central equatorial Pacific Ocean.
- The Indian Ocean Dipole (IOD) is also in neutral phase.

Table-1: National Weather Extremes during September 2025

Hottest day	46.0 °C	at Turbat (Balochistan) on 29 th
Coldest day	16.0 °C	at Malam Jabba (Khyber Pakhtunkhwa) on 18 th
Coldest night	7.0 °C	at Malam Jabba (Khyber Pakhtunkhwa) on 26 th
Warmest night	30.5 °C	at Sibbi (Balochistan) on 5 th
Wettest day	110 mm	at Thatta (Sindh) on 10 th
Wettest month	197 mm	at Thatta (Sindh)
Coldest place	11.3° C	at Skardu (Gilgit-Baltistan)
Warmest place	28.0 °C	at Sibi (Balochistan)

Synoptic Summary

In September, Monsoon remained active across Pakistan, along with westerly waves affecting Upper Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir and Punjab. Strong monsoon currents from the Arabian Sea (AS) and Bay of Bengal (BOB) continued to penetrate into Upper, Central and Southern parts of the country during first half of the month. A monsoon low developed over Bay of Bengal on 4th, converted into a well-marked low on next day then further intensified into a depression over southwest Rajasthan (India) on 7th, became more strengthened into deep depression, moved towards Southeast Sindh and adjoining Indian Rajasthan on 8th, weakened into a depression over southern Sindh then weakened into a low pressure over Balochistan Coast and finally became

less marked on 12th. This formation of deep depression was rare of its kind in the month of September. Resultant widespread Rain/Thunderstorms with heavy to extremely heavy falls in Khyber Pakhtunkhwa, Punjab, Gilgit-Baltistan, Kashmir, Sindh and moderate to heavy rainfall occurred in Balochistan during the month. During last two days of the month a well-marked low-pressure area developed over Indian Gujarat and adjoining Kutch with associated trough prevailed over southeastern Sindh and persisted till the end of the month. Whereas the seasonal (heat low) remained oriented mainly over northwest Balochistan with (average value of 1000.2 hPa) during the month. The monsoon started retreating on 20th and finally withdrawn from the country on 22nd September 2025.

Table-2: New/Repeated Weather Records Set in September 2025

S No	Stations	Weather Parameters	New/Repeated value		Past Record		No of years examined.
			Value	Date	Value	Date	
1	Dadu	Hottest night Temperature (°C)	30.0	07-Sep-2025	29.4	01-Sep-2010	22
2	Gilgit	Hottest night Temperature (°C)	24.0	07-Sep-2025	23.9	08-Sep-1982	65
3	Astore	Hottest day Temperature (°C)	32.0	13-Sep-2025	31.7	01-Sep-1970	72
4	Dadu	Lowest day Temperature (°C)	27.5	09-Sep-2025	30.5	09-Sep-2011	22
5	Gwadar	Lowest day Temperature (°C)	30.0	11-Sep-2025	30.0	03-Sep-2017	24
6	SH. Benzirabad	Lowest day Temperature (°C)	27.5	09-Sep-2025	27.5	21-Sep-1998	65
7	Turbat	Lowest day Temperature (°C)	32.5	11/Sep/2025	33.0	11/Sep/2003	29
8	Gwadar	Wettest month rainfall(mm)	5.4	Sep-2025	3.0	Sep-2024	24
9	Thatta	Wettest month rainfall(mm)	197.0	Sep-2025	159.4	Sep-2012	22
10	Gwadar	Heaviest one day Rainfall (mm)	5.4	Sep-2025	3.0	Sep-2024	24
11	Ormara	Heaviest one day Rainfall (mm)	30.0	11-Sep-2025	29.2	05-Sep-1976	65
12	Thatta	Heaviest one day Rainfall (mm)	110.0	10-Sep-2025	73.4	13-Sep-2011	22

Table-3: Significant Winds (during September-2025)

Date	Station	Max Wind Knots	Date	Station	Max Wind Knots	Date	Station	Max Wind Knots
15/2025	Mirkhani	36	08/2025	Lahore AP	32	30/2025	Hyderabad	36
01/2025	Islamabad AP	40	09/2025	Quetta Samungli	32			

Rainfall: Above average

Climatologically, September is considered as an average rainy month with rainfall contribution to the national annual and seasonal July-Sep (JAS) totals being 7.2% and 15.2%, respectively. During the month, Pakistan experienced few widespread Rain/Thunderstorms with heavy to extremely heavy falls in Khyber Pakhtunkhwa, Punjab, Gilgit-Baltistan, Kashmir, Sindh and moderate to heavy rainfall occurred in Balochistan during the month. The daily area-weighted rainfall is shown in Fig-1.

The September 2025 with 32.5 mm rainfall was **largely above average** with a departure of **+52%** for Pakistan as a whole. Whereas a diverse situation was observed on regional scale. i.e., an **excessively above average** rainfall occurred at Sindh with 82.9 mm **(+317%)** and ranked 8th highest (record as 216.9 mm in 2011). Punjab with 43.9 mm **(+25%)** and Balochistan with 7.7 mm **(+24%)** observed **above average** rainfall. Whereas, AJK with 43.10 mm **(-34%)**, Gilgit-Baltistan with 7.60 mm **(-22%)**, and KP with 37.90 mm **(-18%)** were the regions to have exhibited a below average rainfall (Table-4).

The heaviest one-day rainfall of 110.0 mm occurred at Thatta (Sindh) on 10th September. The same station has been the wettest place with monthly total rainfall 197.0 mm (Table-1).

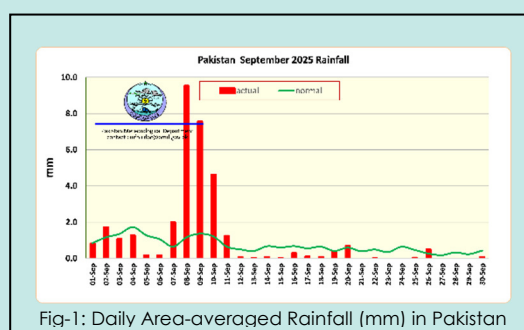


Table-4: September 2025 Area Weighted Rainfall

Region	Rank (of 65y)	Normal (mm)	Average (mm)	Departure (percent)	Comment
Pakistan	51	21.40	32.50	52%	----
Azad Jammu & Kashmir	18	64.90	43.10	-34%	----
Balochistan	47	6.20	7.70	24%	----
Gilgit Baltistan	35	9.70	7.60	-22%	----
Khyber Pakhtunkhwa	24	46.00	37.90	-18%	----
Punjab	45	34.70	43.30	25%	----
Sindh	58	19.90	82.90	317%	08 th highest (216.9 mm rainfall recorded in 2011)

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

September 2025 Rainfall maps

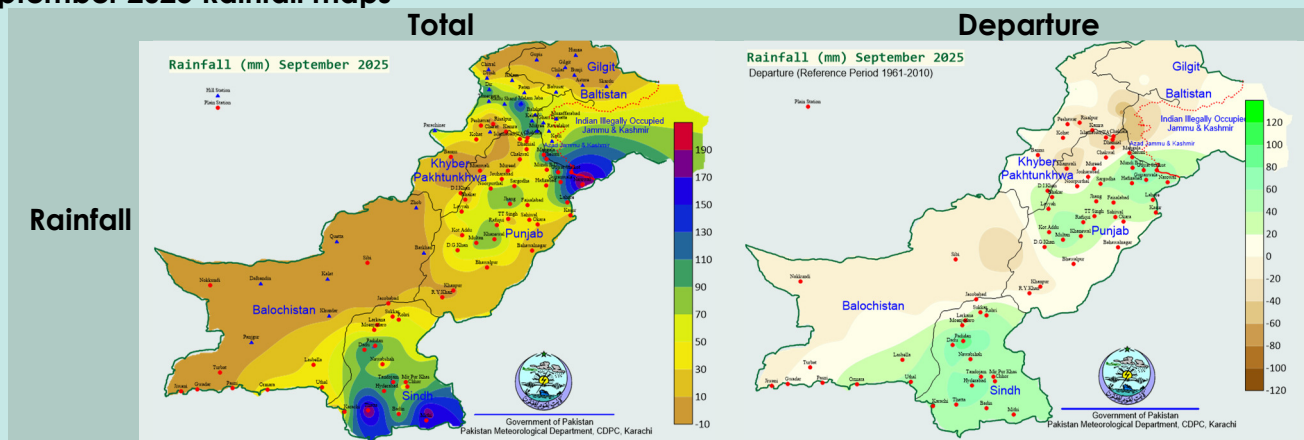


Fig. 2. September-2025 spatial rainfall distribution and departure from normal

Alongside the wettest station, Thatta (Sindh), some other stations also have recorded notable rainfalls, i.e. Narowal 194.5 mm, Mithi 178.0 mm, Sialkot Cantt 157.0 mm, Malam Jabba 149.0 mm, Sialkot Airport 138.9 mm, Jhelum 136.2 mm, Khairpur 136.0 mm, Tando Jam 121.0 mm, Islamabad Zeropoint 120.9 mm, Mangla 117.1 mm, Gujranwala 114.8 mm, Padidan 114.8 mm, Lahore City 111.4 mm, Dadu 109.0 mm, Hyderabad City 106.6 mm, Dir 103.5 mm and Sheikhupura 101.4 mm.

On the other hand, few stations remained absolutely dry with no rain during the month, i.e. Hunza, Bannu, Dalbandin, Jiwani, Kalat, Nokkundi, Panjgur, Quetta (Sh. Manda), and Turbat. Whereas the stations: Jacobabad and Quetta (Samungli), 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 September 2025 and anomalies from normal 1961-1990						
Regions	Maximum Temperature		Minimum Temperature		Mean Temperature	
	Actual	Anomaly	Actual	Anomaly	Actual	Anomaly
Pakistan	35.01	+0.5	23.18	+2.2	29.13	+1.1
Azad Jammu & Kashmir	30.99	+2.2	18.34	+2.3	24.71	+2.3
Balochistan	36.11	+1.1	23.01	+2.9	29.61	+1.7
Gilgit-Baltistan	31.74	+2.6	15.39	+1.2	23.59	+2.1
Khyber Pakhtunkhwa	33.21	+0.8	20.91	+1.7	27.07	+1.3
Punjab	35.39	-0.5	25.40	+1.9	30.42	+0.4
Sindh	35.07	-1.1	26.10	+1.6	30.61	+0.2

Area Weighted Mean Temperatures (warmer than average)

The September 2025 national mean temperature of 29.13 °C was warmer than the country-area weighted mean of 27.98 °C with anomaly of +1.1 °C and ranked 5th highest in past 65 years (the record is 29.79°C in 2019). A similar trend prevailed on regional scale i.e. over AJK with 24.71°C (+2.3 °C), ranked 1st highest in past 65 years (the record was 24.43 °C in 2019), Gilgit-Baltistan with 23.59 °C (+2.1°C) and ranked 2nd highest in past 64 years (the record is 24.99 °C in 1961), Balochistan 29.61°C (+1.7°C) and ranked 3rd highest in past 65 years (the record 30.11°C in 1983), Khyber Pakhtunkhwa with 27.07 °C (+1.3°C) and ranked 6th warmest in past 65 years (the record is 27.61 °C in 1961), Punjab with 30.42 °C (+0.4°C) and Sindh with 30.61 °C (+0.2°C), all recorded warmer than mean temperatures (Table-5, Fig-3 lower panel). The mean temperature anomalies ranged from -0.9 °C to +4.5 °C in the country with those being considerably higher over western Balochistan and Gilgit-Baltistan.

Area Weighted Maximum temperatures

The country-level monthly mean maximum (daytime) temperature of 35.01 °C was near average with positive anomaly of +0.5 °C. However, a diverse trend was observed at regional scale; i.e. AJK 30.99 °C (+2.2 °C) and ranked 2nd highest in past 65 years (the record is 31.08°C in 1968), Gilgit-Baltistan with 31.74 °C (+2.6 °C), ranked the 5th highest (record is 34.44°C in 1987), Balochistan with 36.11°C (+1.1°C), ranked 10th highest (record 37.23°C in 1983), and Khyber Pakhtunkhwa with 33.21°C (+0.8°C) all recorded above-average maximum temperatures. In contrast with the Sindh with 35.07°C (-1.1°C) ranked the 7th lowest mean maximum temperature in the past 65 years (the record is 33.15°C in 2011) and Punjab with 35.39 °C (-0.5 °C) were the regions to have observed cooler-than-average temperature (Table-5, Fig-3 upper panel). The mean maximum temperature anomalies remained in the range from -2.4 °C to +4.5 °C in the country with those being considerably higher over western Balochistan and Gilgit-Baltistan.

The hottest day of the month was 46.0 °C recorded at Turbat (Balochistan) on 29th September. Whereas the station Sibi (Balochistan) proved to be the warmest place with a mean monthly maximum temperature of 28.0 °C (Table-1).

Area Weighted Minimum temperatures (significantly warmer than average)

The country's monthly mean minimum (night-time) temperature of 23.18 °C was significantly warmer by +2.2 °C than the mean 21.02°C and ranked as the 3rd highest during the past 65 years (the record is 23.30 °C in 2019). A similar trend was found across the regions i.e. for AJK 18.34 °C (+2.3°C) and Balochistan with 23.01°C (+2.9 °C) both ranked 1st highest (ranked as the 1st highest (the records are 18.31°C in 1961 & 22.75 in 1983 respectively), Khyber Pakhtunkhwa with 20.91 °C (+1.7 °C) ranked as the 2nd highest in the past 65 years (record is 21.87 °C in 1961), Sindh with 26.10 °C (+1.6 °C) ranked 5th highest (record is 27.34 °C in 2021), Punjab with 25.40 °C (+1.9 °C) and Gilgit-Baltistan with 15.39 °C (+1.2 °C), both ranked 6th highest during the past 65 years (records are 26.35°C in 2019 & 17.33°C in 1961 respectively), all recorded warmer than average minimum temperatures (Table-5, Fig-3, middle panel). The mean minimum temperature anomalies ranged from -0.7 °C to +7.2 °C in the country with those being considerably higher over Western Balochistan.

The lowest night (minimum) temperature of the month was 7.0°C recorded at Malam Jabba (Khyber Pakhtunkhwa) on 26th September. Whereas the Skardu (Gilgit Baltistan) happened to be the coldest place with mean monthly minimum temperature of 11.3 °C. (Table-1).

September 2025 Temperature maps

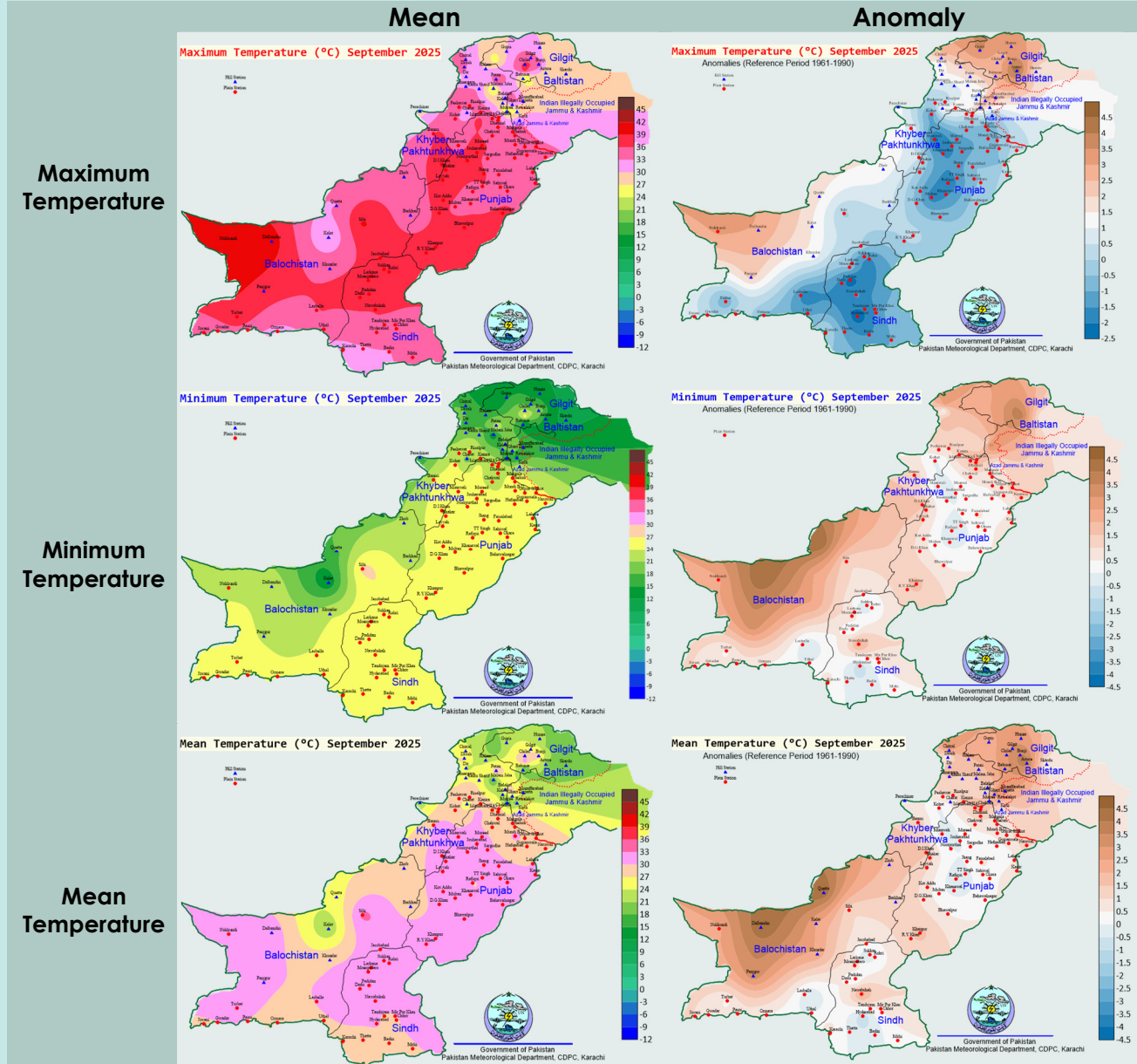


Fig. 3. September-2025 Temperatures (Maximum, Minimum & Mean) and their anomalies.

Table 6: September 2025 Monthly Averages & Normals

Station	Pressure (mb)		Temperature (°C)			Vapour (mb)	Precipitation	
	Station Level	Sea Level	Mean	Maximum	Minimum	Pressure	Total (mm)	Days
Drosh	849.2	1455.6	25.8	33.7	18.0	14.9	4.4	2.0
	850.3	1466.6	25.6	33.1	18.2	11.4	21.8	4.8
Peshawar	968.0	1004.2	30.1	36.2	23.9	29.6	9.0	1.0
	963.7	1003.3	29.0	35.2	22.7	24.0	22.2	4.4
Parachinar	----	----	21.8	28.3	15.2	----	80.0	5.0
	825.6	1473.5	20.7	27.2	14.3	13.1	55.4	8.4
Rawalpindi	949.4	1004.9	28.9	33.8	24.1	25.1	35.0	3.0
	948.3	1004.3	26.6	33.5	20.7	23.1	113.2	8.7
Sargodha	983.0	1003.3	31.1	36.5	25.8	30.2	85.2	2.0
	983.3	1004.1	30.3	36.3	24.2	26.2	27.7	4.3
Jhelum	977.7	1003.6	29.6	34.2	24.9	31.7	136.2	2.0
	978.0	1004.0	28.9	34.7	23.1	26.3	74.5	7.1
Sialkot	975.7	1004.1	29.2	33.5	24.9	31.2	157.0	4.0
	976.1	1004.4	27.9	33.2	22.6	27.4	90.7	6.8
Zhob	853.6	1441.7	27.8	34.2	21.4	14.6	4.0	1.0
	854.6	1451.4	26.1	33.2	19.1	12.9	11.5	1.2
D.I.Khan	984.0	1003.0	31.8	37.2	26.3	31.7	62.0	2.0
	983.9	1003.0	30.1	36.5	23.6	26.4	20.8	2.1
Lahore	980.4	1004.2	29.8	34.5	25.0	29.3	111.4	8.0
	980.0	1003.8	29.8	35.0	24.6	26.4	65.1	6.4
Quetta	839.7	1482.2	25.6	33.0	18.1	6.7	0.0	0.0
	838.5	1469.6	21.6	31.6	11.7	9.0	2.5	0.4
Multan	989.5	1003.2	31.2	35.4	27.0	29.9	79.9	4.0
	989.8	1003.4	30.9	36.9	24.9	26.4	24.9	1.7
Barkhan	885.6	1458.9	28.4	34.2	22.5	20.3	2.0	1.0
	886.4	1465.7	27.1	33.6	20.6	16.5	44.5	3.0
Nokkundi	926.7	998.4	32.4	41.2	23.5	6.9	0.0	0.0
	929.4	1002.0	30.1	38.6	22.2	9.4	0.0	0.0
Dalbandin	911.9	1475.1	32.1	40.6	23.4	7.9	0.0	0.0
	912.6	1474.4	28.0	37.2	16.5	6.3	0.0	0.1
Jacobabad	996.9	1003.1	32.0	37.0	27.0	34.5	0.0	0.0
	996.3	1003.2	31.4	36.8	26.0	28.2	11.0	0.4
Khanpur	993.5	1003.3	31.8	37.2	26.3	32.1	7.0	2.0
	993.4	1003.3	29.8	36.7	22.9	26.7	14.6	1.2
Panjgur	898.4	1469.8	30.6	37.5	23.6	13.8	0.0	0.0
	899.7	1476.7	27.4	35.4	19.3	8.3	2.5	0.4
Khuzdar	872.2	1459.1	29.4	35.3	23.5	11.9	4.0	1.0
	872.5	1451.4	26.7	34.2	20.0	6.1	7.9	1.5
Sh. Benazirabad	1000.2	1003.5	31.3	37.0	25.5	31.6	56.0	3.0
	1000.3	1004.0	31.2	38.6	23.7	28.1	16.2	1.0
Jiwani	998.9	1005.2	28.9	32.2	25.5	30.3	0.0	0.0
	999.3	1005.7	27.8	31.5	24.3	28.2	0.3	0.1
Pasni	1004.2	1004.7	29.0	33.3	24.7	30.8	11.0	1.0
	1004.2	1004.8	27.4	32.6	23.6	27.5	1.2	0.2
Hyderabad	998.8	1003.6	30.2	34.4	26.1	30.3	92.0	4.0
	1000.6	1004.2	31.0	36.4	25.3	26.8	12.6	0.8
Chhor	1002.9	1003.6	30.7	35.0	26.3	32.4	87.0	5.0
	1003.8	996.9	29.8	36.0	23.7	27.3	37.3	1.4
Karachi	1002.2	1004.9	29.6	32.6	26.6	30.4	72.3	6.0
	1003.2	1005.9	29.1	32.8	25.4	27.8	10.2	0.8

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

Table 7: September 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	28.6	14*	20.3	25	36.8	12	15.4	28*	2.2	18*	14.0	03
Peshawar	32.5	15	27.2	03	38.5	10	20.0	26	9.0	02	8.0	2*
Parachinar	23.5	12	20.5	27	30.5	12	13.0	27	40.0	04	-	--
Rawalpindi	31.0	15	25.3	07*	35.7	17	21.5	27*	23.0	08	24.0	1*
Sargodha	33.8	15	27.2	08	39.3	15	23.7	4*	70.2	20	6.0	02
Jhelum	32.0	16	24.5	07	36.5	16*	22.0	27	95.6	08	6.0	1*
Sialkot	31.3	15	21.7	03	37.0	28	21.2	03	87.4	03	4.0	10*
Zhob	29.5	16	24.8	09	37.0	23	19.5	27	4.0	10	4.0	12*
D.I.Khan	33.3	14	28.0	08	38.5	6*	24.5	8*	60.0	08	4.0	2*
Lahore	31.8	15*	23.8	02	37.0	15*	21.3	03	65.7	09	8.0	03
Quetta	28.0	13*	22.5	29	35.5	11*	13.5	29	0.0	00	32.0	09
Multan	33.6	30	25.8	08	38.2	30	23.8	09	58.4	09	16.0	11
Barkhan	29.8	15	25.5	08	36.5	27	20.0	11	2.0	04	6.0	16
Nokkundi	34.3	10	30.5	24*	43.0	4*	21.5	18	0.0	00	16.0	15
Dalbandin	34.3	01	29.8	29*	42.5	01	20.0	29	0.0	00	6.0	2*
Jacobabad	34.0	06	29.5	10	39.5	06	25.0	10	0.0	00	4.0	8*
Khanpur	33.5	03	29.9	08	39.1	28*	24.9	24	5.2	09	10.0	11
Panjgur	33.0	03	28.3	13	40.0	02	21.0	14	0.0	00	10.0	11*
Khuzdar	31.8	16*	24.8	09	38.0	16*	20.5	6*	4.0	08	6.0	2*
Sh. Benazirabad	34.0	05*	26.0	09	41.5	04	23.5	22	30.0	09	16.0	9*
Jiwani	31.0	29	27.8	10*	37.0	30	24.5	11*	0.0	00	14.0	29
Pasni	30.5	29	27.3	11	36.0	29	23.0	11	11.0	11	14.0	28
Hyderabad	33.5	06	26.3	09	38.5	4*	24.0	10	63.0	09	36.0	30
Chhor	34.7	06	26.5	09	42.0	28	24.5	10	29.0	7*	10.0	1*
Karachi	33.1	29*	26.3	10	39.1	29	25.0	10*	46.7	10	14.0	15*

* 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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