Pakistan's Monthly Climate Summary
February, 2021

Overview

- February 2021 was one of the warmest and driest month on record for Pakistan.
- National rainfall for the month of February 2021 was 84% below normal.
- February 2021 was 3rd driest month of country since 1961.
- All six administrative regions experienced their record deficient monthly rainfall.
- Sindh and Punjab saw driest month while Balochistan ranked as 2nd driest on record.
- AJK and KP also recorded one of the driest month and both ranked 5th rain deficient month on record.
- The entire Sindh region recorded no rainfall in the second consecutive month.
- The wettest place of the month in the country was Kalam - KP (92.6 mm).
- The wettest day of the month in country was 28th at Kotli – AJK with 31 mm of rain.
- The national mean monthly temperature of February 2021 for Pakistan as a whole was16.67 °C, being 3.35 °C warmer than average.
- The mean maximum temperature at country-level was 4.58 °C warmer than average.
- The minimum temperature for February was 8.28 °C, being 2.09 °C warmer than average.
- All administrative regions recorded significantly warmer temperatures.
- The mean temperature anomalies of February were 2-4 °C over major parts of the country.
- The country hottest day was 26th February at Sh. Benazirabad with 38.3 °C temperature.
- The coldest temperature of -10.0 °C was recorded at Astore (GB) on the 1st February 2021.
- The warmest nights of the country were 27th & 28th February 2021 over Karachi with 22 °C minimum temperature.

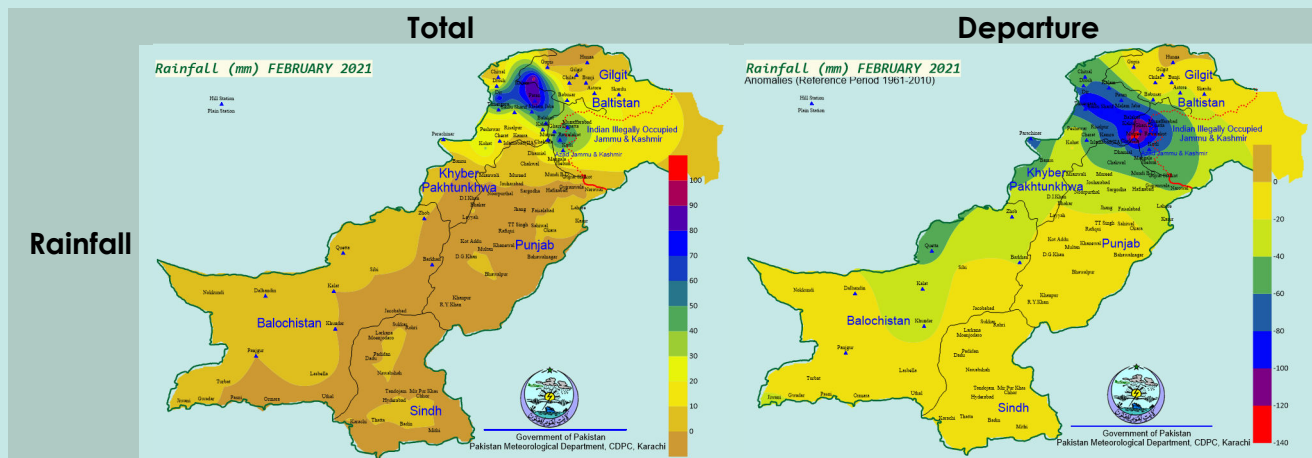## National weather extremes during February 2021

Hottest day	38.3 °C	at Sh. Benazirabad (Sindh) on 26th
Coldest day	2.3 °C	at Astore (GB) on 26th
Coldest night	-10.0 °C	at Astore (GB) on 1st
Warmest night	22.0 °C	at Karachi Airport (Sindh) on the 27th & 28th
Wettest day	31.0 mm	at Kotli (AJK) on 28th
Wettest month	92.6 mm	at Kalam (KP)

Synoptic Summary

A trough of low was observed over Gilgit-Baltistan on 1st day of February 2021, which lasted over there for following 4 days, while a low-pressure area prevailed over

On regional scale, all six administrative regions experienced their record deficient monthly rainfall. Sindh and Punjab saw their driest month in the history while for Balochistan this February ranked the 2nd driest month on record during last sixty one years. AJK and KP also experienced one of the driest month and ranked 5th rain-deficient month on record for both. It is pertinent to note that entire Sindh province recorded no rainfall in the second consecutive month. The wettest day of the month in country was 28th, when Kotli (AJ&K) recorded 31.0 mm of rain and Kalam (KP) was the wettest place when it recorded 92.6 mm rainfall during the month. The other chief amounts of month's rainfall were: Pattan (89 mm), Dir (78 mm), Rawalakot (61.6 mm) and Balakot (50.5 mm).

February 2021 rainfall maps

Temperatures – Abnormal warming

February 2021 was one of the warmest month on record. The national mean monthly temperature for Pakistan as a whole was 16.67 °C, being 3.35 °C warmer than monthly-average. The mean maximum (day) temperature at country-level was 25.06 °C, being 4.58 °C warmer than average of 20.48 °C. The night temperature (minimum) was 8.28 °C, being 2.09 °C warmer than country-average of 6.19 °C. On regional basis, all provinces recorded significantly warmer than normal monthly mean temperatures. The mean temperature anomalies of February were 2-4 °C over major parts of the country.

February 2021 Monthly Averages & Normals

Station	Pressure (mb) Station Level	Pressure (mb) Sea Level	Temperature (°C) Mean	Temperature (°C) Maximum	Temperature (°C) Minimum	Vapour (mb) Pressure	Precipitation Total (mm)	Precipitation Days
Drosh	855.4	1516.6	10.0	17.2	3.9	4.2	18.9	6
	856.9	1521.9	6.0	10.7	1.0	4.6	74.4	7.4
Peshawar	977.6	1015.9	16.4	25.0	7.9	11.2	23.2	4
	973.8	1016.0	13.1	19.8	6.3	8.7	47.1	6.4
Parachinar	829.7	1526.3	6.3	18.0	-2.8	5.5	14.0	4
	827.2	1506.5	5.2	10.9	-1.8	4.6	76.5	5.6
Rawalpindi	957.3	1015.9	16.3	23.7	9.5	9.5	19.6	1
	956.4	1015.7	12.3	19.2	5.4	8.6	79.7	7.1
Sargodha	990.9	1012.5	18.2	26.0	10.6	14.5	0.0	0
	993.4	1015.0	15.1	22.4	7.1	10.4	24.5	5.5
Jhelum	987.0	1014.3	17.0	25.0	10.1	13.8	6.0	1
	987.5	1015.1	14.5	21.5	7.9	10.1	52.8	6.3
Sialkot	985.2	1015.1	15.8	22.9	9.0	14.0	0.0	0
	985.2	1015.1	14.2	20.7	7.4	10.9	48.5	5.7
Zhob	859.6	1499.1	13.2	22.7	2.8	4.7	0.0	0
	858.6	1487.3	9.2	14.6	1.5	5.2	25.0	2.4
D.I.Khan	993.9	1014.0	18.8	27.0	10.7	13.4	0.0	0
	994.7	1015.0	15.1	22.2	7.3	9.7	15.0	4.1
Lahore	989.9	1014.9	18.2	24.2	11.4	14.5	1.8	1
	989.7	1014.9	16.0	22.1	9.4	10.5	30.3	5.3
Quetta	844.6	1535.6	11.4	18.8	2.4	3.4	1.0	1
	841.5	1507.6	6.5	12.8	-0.9	5.7	49.5	6.6
Multan	999.9	1014.2	19.6	26.7	11.3	13.2	0.0	0
	1000.6	1015.2	16.0	23.3	7.8	10.3	11.1	2.9
Barkhan	891.8	1504.7	16.8	24.1	9.2	4.7	0.0	0
	891.7	1496.8	12.4	17.9	6.4	5.8	21.2	1.9
Nokkundi	936.5	1013.1	18.9	26.4	9.7	4.0	3.3	1
	937.1	1015.0	14.5	21.6	6.2	6.5	7.6	1
Dalbandin	920.9	1522.0	16.6	25.4	5.5	5.4	4.3	1
	919.7	1504.3	13.0	20.4	4.6	6.1	16.3	1.5
Jacobabad	1007.7	1014.2	20.7	27.8	12.9	13.9	0.0	0
	1008.1	1014.6	18.3	25.2	10.3	10.0	6.9	0.7
Khanpur	1003.3	1013.7	19.3	28.6	10.5	13.4	0.0	0
	1004.1	1014.5	16.3	24.2	7.4	10.1	5.3	1.4
Panjgur	904.9	1506.4	16.4	24.6	7.1	6.2	0.0	0
	905.6	1507.7	13.6	19.6	5.7	4.2	16.5	1.5
Khuzdar	879.4	1520.0	17.5	24.3	7.9	5.0	0.0	0
	877.3	1487.0	12.7	18.8	5.2	3.0	29.9	1.7
Nawabshah	1010.9	1014.3	21.7	31.9	11.6	13.5	0.0	0
	1011.3	1015.0	18.3	27.2	8.4	11.9	3.3	0.2
Jiwani	1008.7	1015.3	22.3	27.8	13.5	16.3	0.0	0
	1008.6	1015.1	20.7	25.1	14.9	14.8	31.0	0.9
Pasni	1014.3	1014.9	21.9	29.0	12.8	14.7	0.0	0
	1013.4	1014.2	20.2	26.5	13.4	13.4	21.5	0.6
Hyderabad	1008.5	1013.5	23.4	31.2	14.7	11.8	0.0	0
	1010.4	1014.5	20.9	27.7	13.7	11.0	4.3	0.9
Chhor	1012.9	1013.6	22.5	32.8	12.2	13.1	0.0	0
	1013.2	1013.8	19.7	29.3	8.5	10.4	3.6	0.3
Karachi	1011.4	1014.1	23.7	31.4	15.0	13.7	0.0	0
	1012.1	1014.8	21.1	27.9	13.0	12.2	10.4	1

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