



Outlook for June 2024

1. Synoptic Situation:

Considering the neutral phase of the El Niño Southern Oscillation (ENSO), which is expected to persist during the forecast month, along with the prevailing positive phase of Indian Ocean Dipole (IOD), the climatic outlook for Pakistan in the forecast month is as follows:

2. Monthly Rainfall Outlook:

Overall a tendency for **near normal*** rainfall is expected in most parts of the country during June 2024.

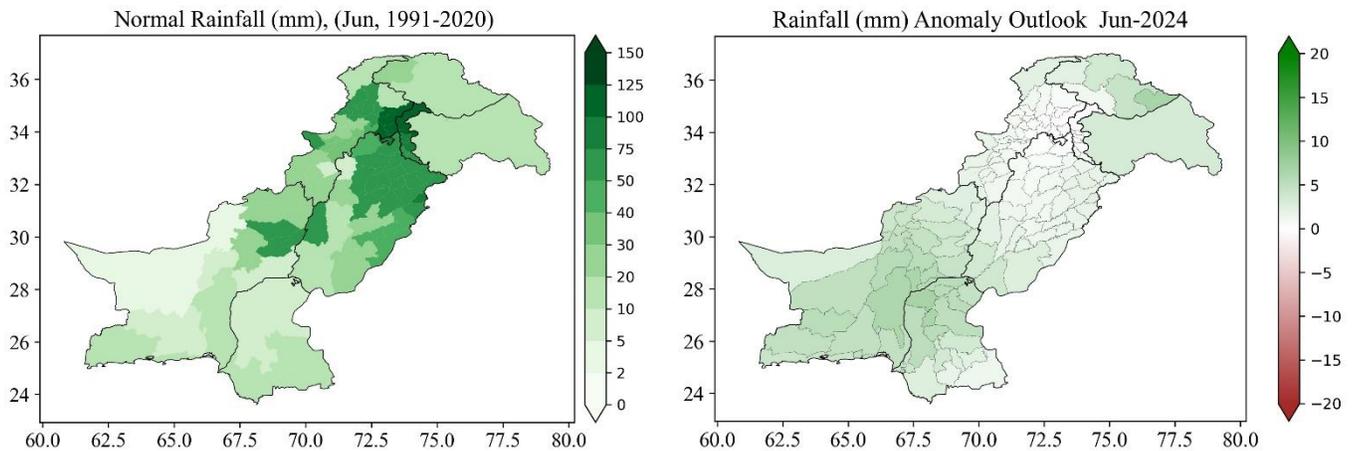


Figure 1: Normal (1991-2020) rainfall and monthly anomaly outlook for June 2024

3. Monthly Temperature Outlook:

The day time maximum temperatures are expected to remain **above normal*** over most of the country with maximum departure over northern parts (northern Khyber Pakhtunkhwa and Gilgit-Baltistan). Concurrently warmer than normal minimum temperatures are expected nationwide with maximum departure over northern Khyber Pakhtunkhwa, Gilgit-Baltistan and southwestern Balochistan.

*Normal = 30-years (period) average climatology

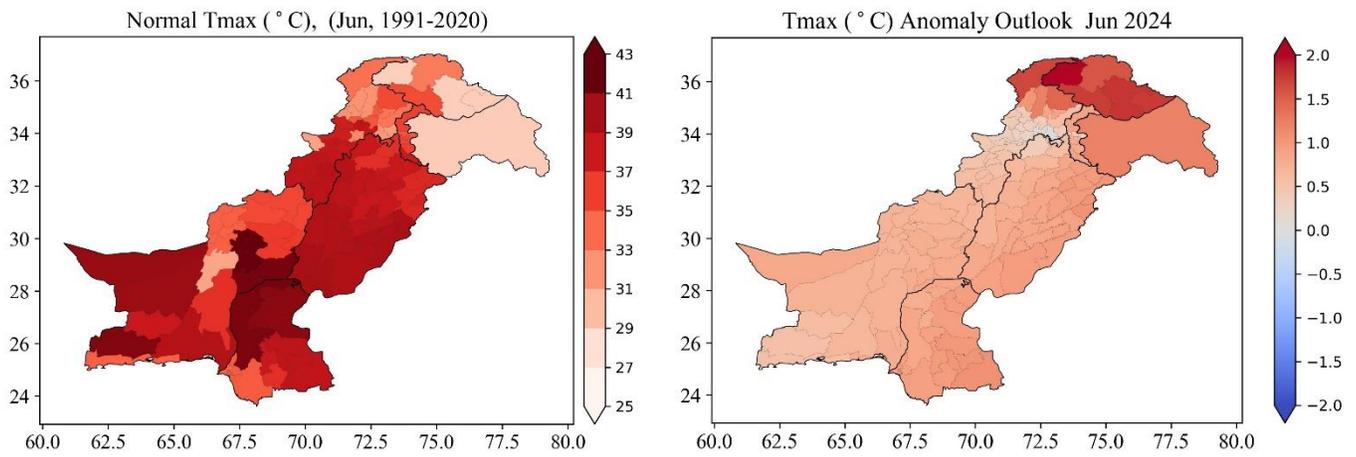


Figure 2: Normal (1991-2020) maximum temperature and monthly anomaly outlook for June 2024

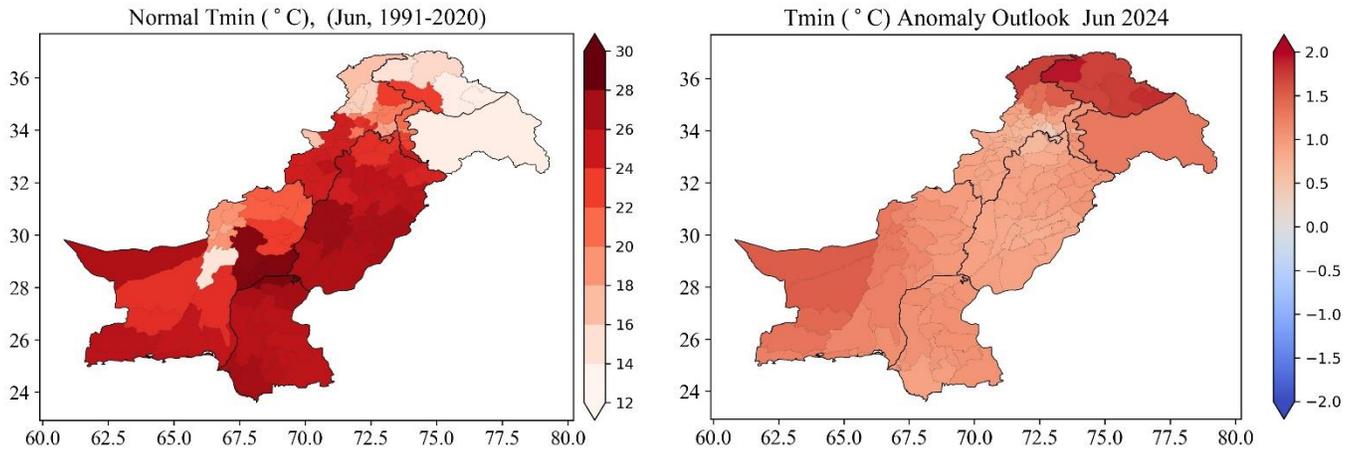


Figure 3: Normal (1991-2020) minimum temperature and monthly anomaly outlook for June 2024

4. Impacts:

- Above normal temperatures in Upper Khyber Pakhtunkhwa, Gilgit-Baltistan, and Kashmir may accelerate snowmelt, increasing river flow.
- Sufficient water availability for irrigation and power sectors will be a good impact.
- Current atmospheric conditions may trigger dust storms, thunderstorms, and hailstorms, posing risks to crops, buildings, and infrastructure in the region.
- The atmospheric conditions are supportive for the likelihood of heat wave development; especially over the plain areas of the southern half of the country.

Note: Considering the dynamic nature of the climate system the outlook is updated monthly during the last week of each month

*Normal = 30-years (period) average climatology