



15th August 2024

Preliminary Precipitation and Temperature Summary July, 2024

Highlights

Precipitation over the country as a whole was 127.9% of the normal indicating above normal precipitation. Above normal maximum and minimum temperature was observed in most part of the country. Diktel station made the new record of highest daily precipitation in this July.

Synoptic Sequence

Weather over Nepal was affected by the monsoon enhancing the rainfall activities during July. Monsoon trough was at north of the normal position during first week and few days of the second week.

Precipitation

Central part of Gandaki Province recorded precipitation greater than 1200 mm while northern part of Karnali Province and north-western part of Gandaki Province recorded precipitation less than 200 mm (Figure 1). Most part of the country recorded above normal precipitation while southern part of Koshi Province and western part of Madhesh Province recorded below normal precipitation (Figure 2).

Lumle station recorded the highest monthly precipitation of 1728.9 mm while Jomsom station recorded the lowest monthly precipitation of 91.5 mm. Similarly, Dipayal station recorded the highest percentage of normal of 240.3% while Phattepur station recorded the lowest percentage of normal of 52.6% (Annex 1). Based on the average of 99 stations (stations with normal precipitation data shown in figure 2), Nepal received 127.9% of the normal precipitation. The highest daily precipitation of 245.2 mm was recorded at Chapakot station on 6th July.

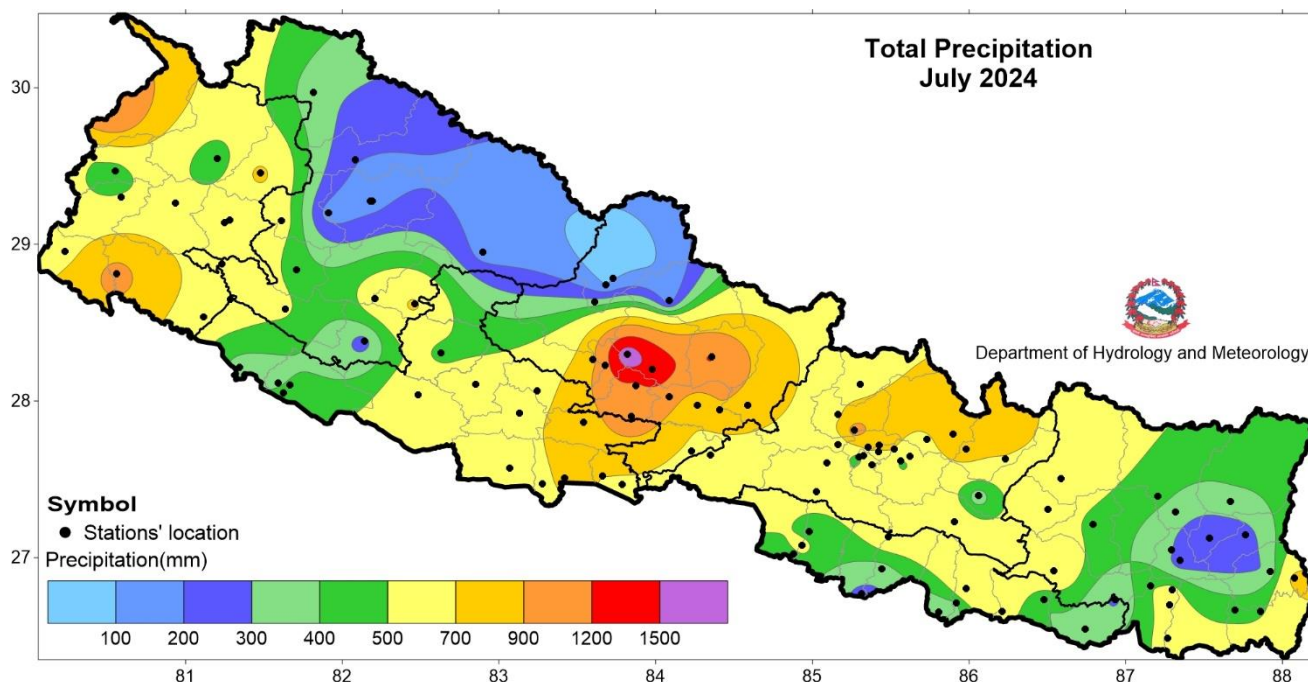


Figure 1: Total precipitation in July 2024.



Government of Nepal
Ministry of Energy, Water Resource and Irrigation
Department of Hydrology and Meteorology
Climate Division (Climate Analysis Section)
Babarmahal, Kathmandu

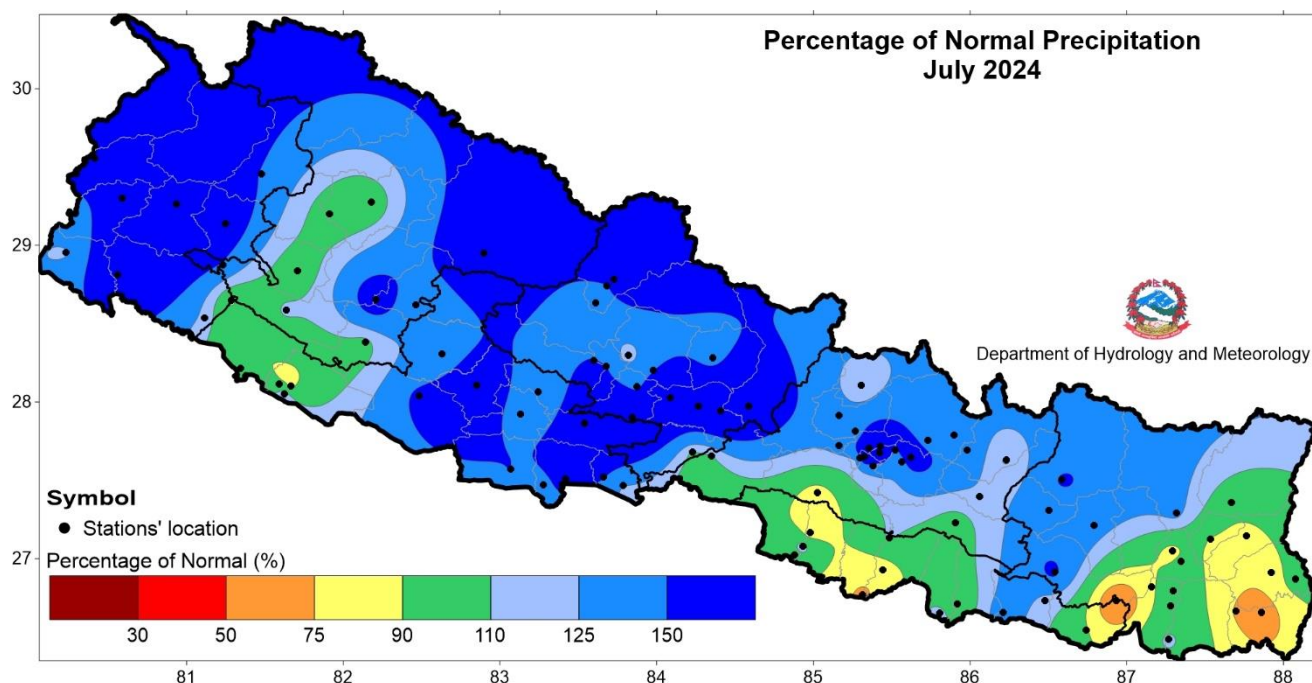


Figure 2: Percentage of normal precipitation in July 2024.

The temporal distribution of monthly cumulative average of daily precipitation shows that precipitation was above normal during July (Figure 3). The country averaged total precipitation of July 2024 was the highest in last 44 years (Figure 4).

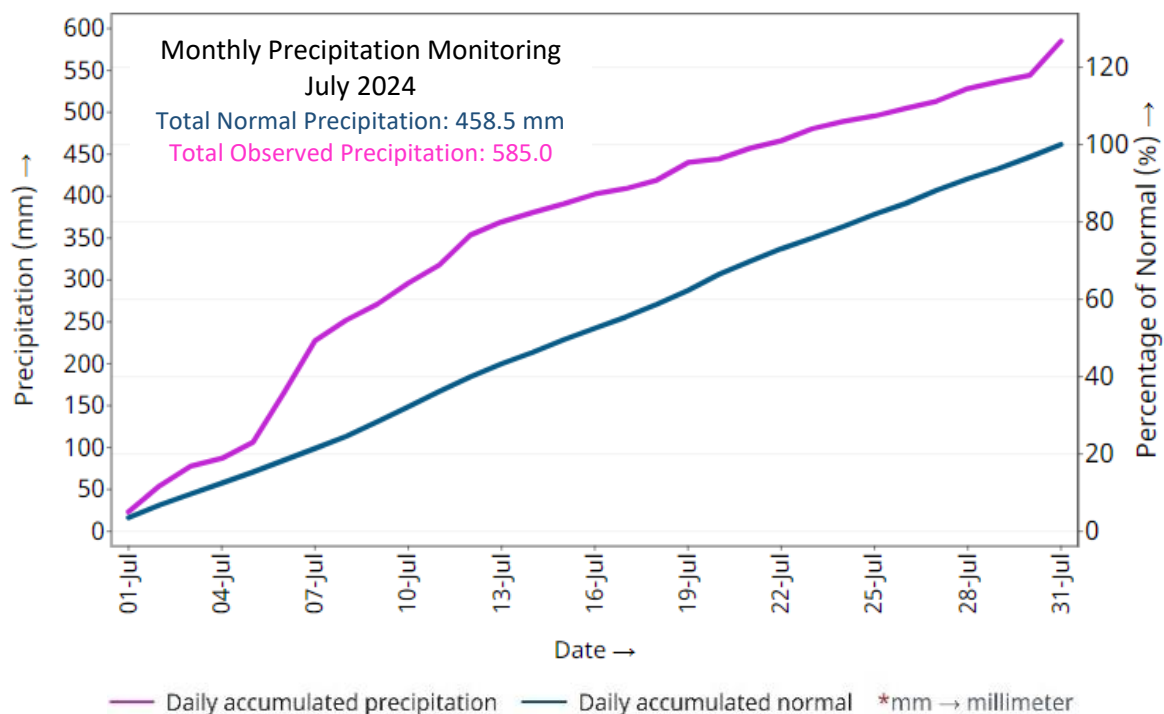


Figure 3: Cumulative average of daily normal and observed precipitation during July 2024.



Government of Nepal
Ministry of Energy, Water Resource and Irrigation
Department of Hydrology and Meteorology
Climate Division (Climate Analysis Section)
Babarmahal, Kathmandu

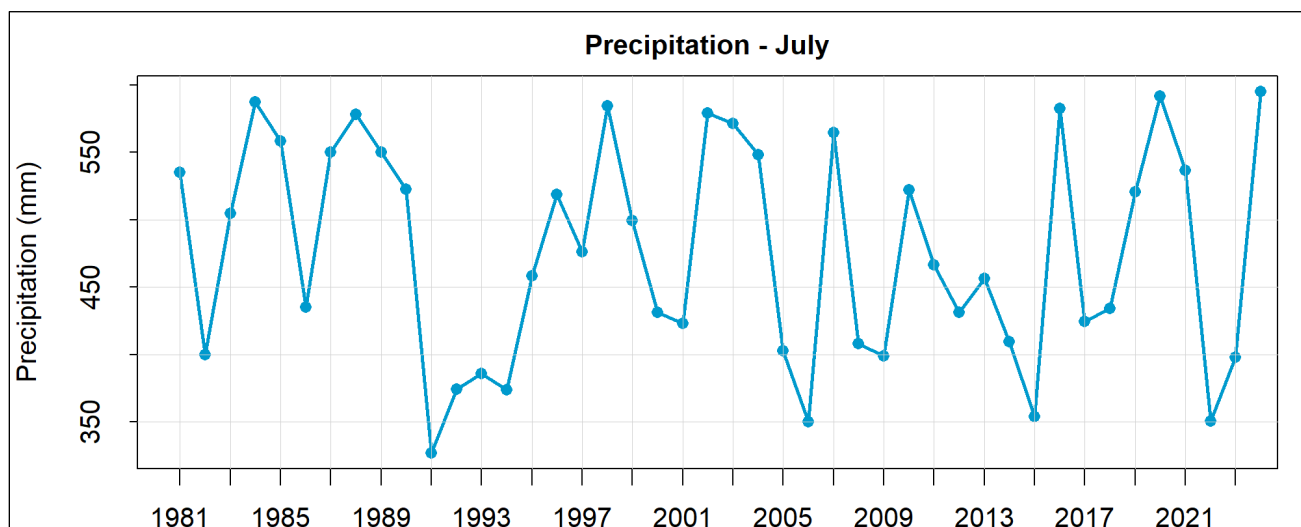


Figure 4: Monthly total precipitation of July from 1981 to 2024 at 97 stations (average of monthly total precipitation sum at stations having long term data).

Maximum Temperature

The maximum temperature in the Terai remained above 33°C (Figure 5). Most part of the country recorded above normal maximum temperature, however, a few isolated parts recorded below normal temperature (Figure 6). Birgunj station and Humde station recorded the highest and lowest monthly maximum temperature of 35.6°C and 19.6°C respectively. Similarly, the highest monthly anomaly of 2.5°C was recorded at Phidim station and the lowest of -1.3°C was recorded at Semari station (Annex 1). The highest daily maximum temperature of 39.8°C was recorded at Birgunj station on 22nd July while the lowest daily maximum temperature of 12.0°C was recorded at Simikot station on 7th July. The country averaged maximum temperature of July 2024 was lower than in 2022 and 2023 but higher since 2016 to 2021 (Figure 7).

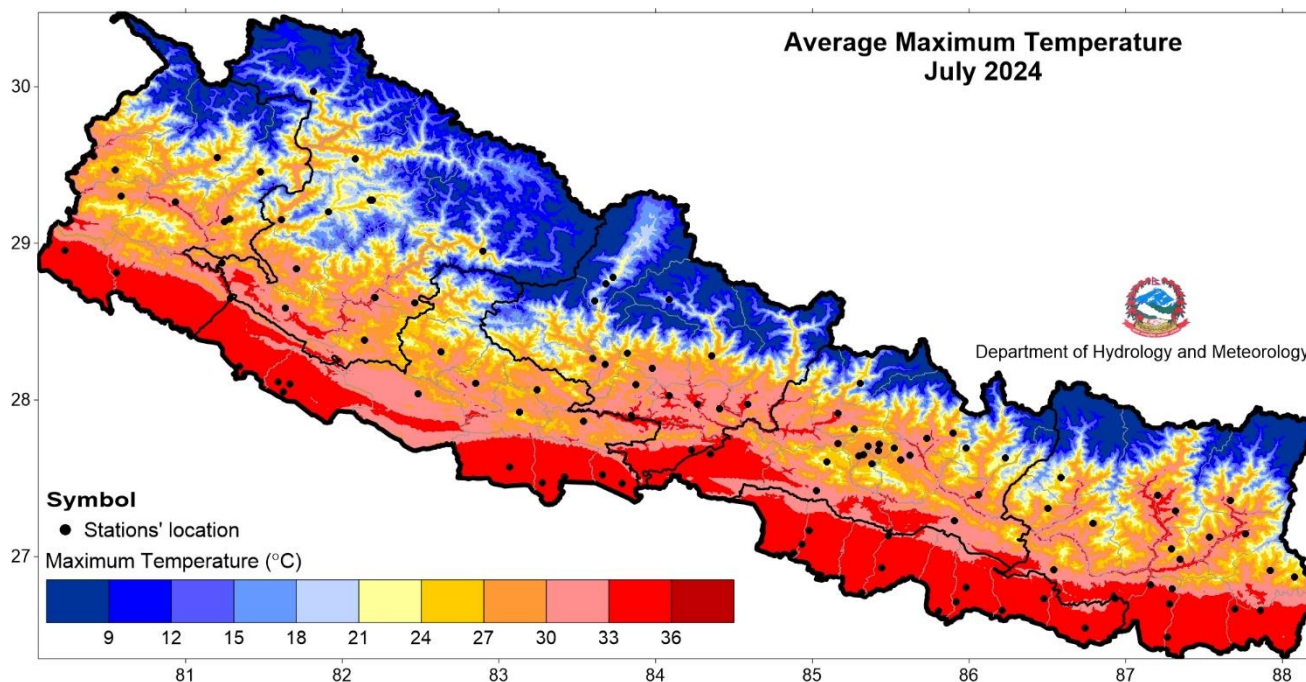


Figure 5: Maximum Temperature in July 2024.



Government of Nepal
Ministry of Energy, Water Resource and Irrigation
Department of Hydrology and Meteorology
Climate Division (Climate Analysis Section)
Babarmahal, Kathmandu

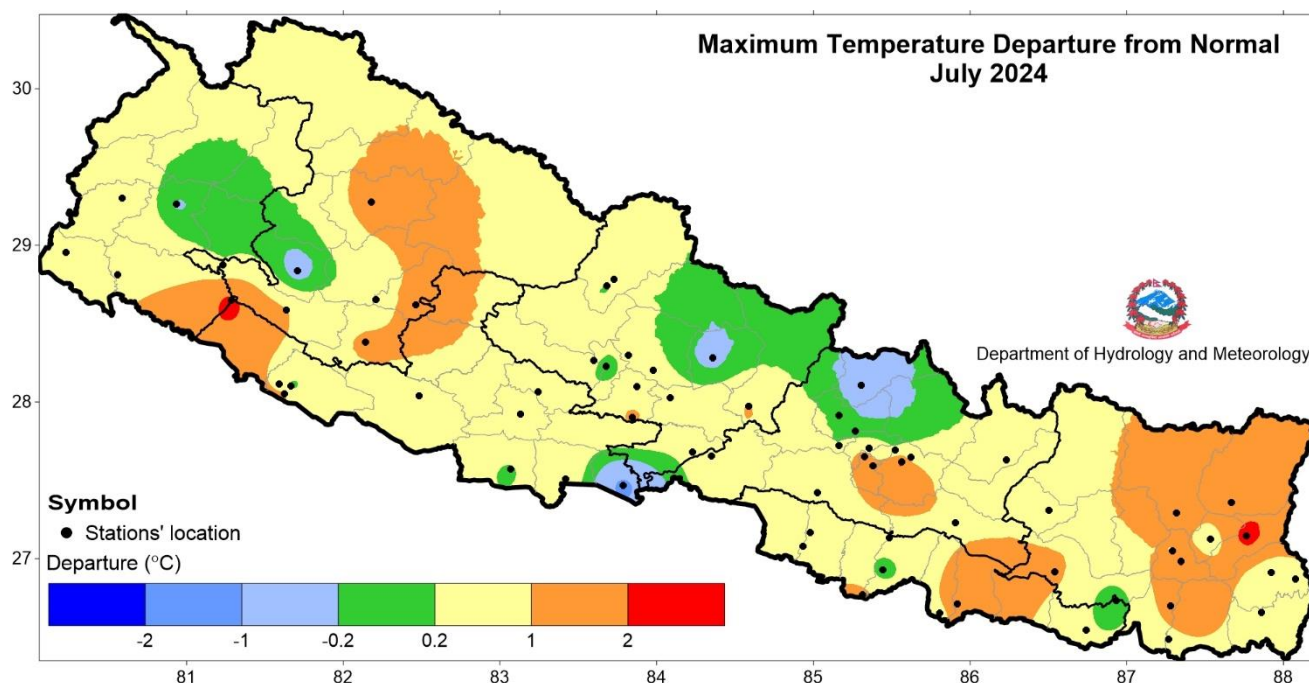


Figure 6: Departure from normal maximum temperature in July 2024.

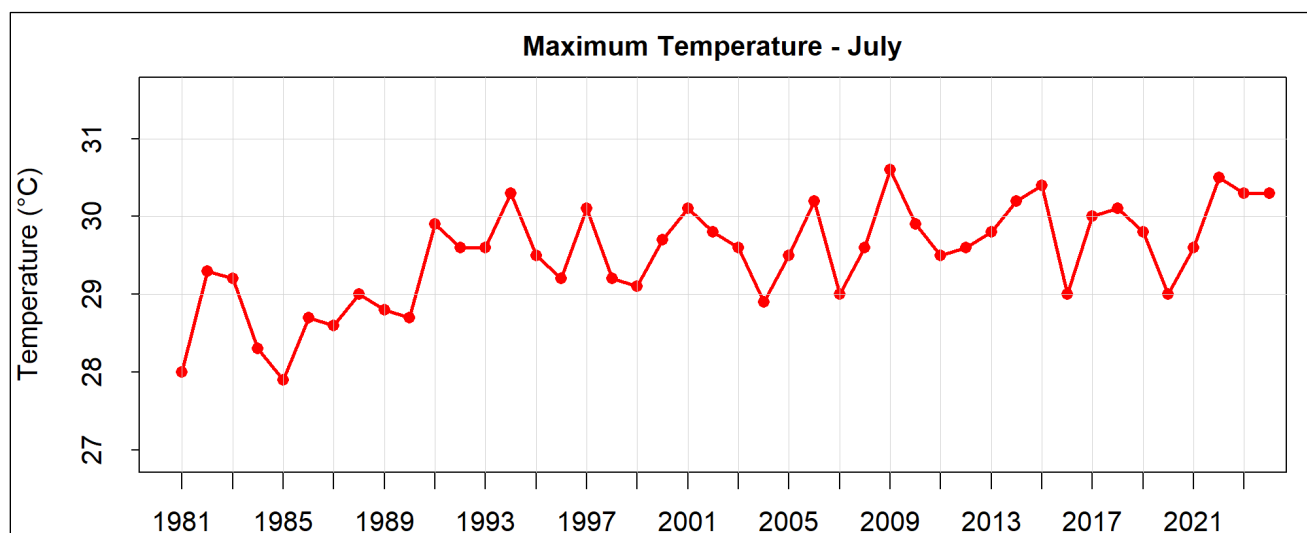


Figure 7: Monthly average maximum temperature of July from 1981 to 59 stations (average of monthly average maximum temperature at stations having long term data).

Minimum Temperature

The minimum temperature in the Terai remained above 24°C, reaching over 27°C in some areas (Figure 8). Most part of the country observed above normal minimum temperature (Figure 9). Birganj station and Humde station recorded the highest and lowest monthly minimum temperature of 28.2°C and 11.4°C respectively. Similarly, the highest monthly anomaly of 2.8°C was recorded at Gaida (Kankai) station and the lowest anomaly of -1.8°C



Government of Nepal
Ministry of Energy, Water Resource and Irrigation
Department of Hydrology and Meteorology
Climate Division (Climate Analysis Section)
Babarmahal, Kathmandu

was recorded at Tikapur station (Annex 1). The highest daily minimum temperature of 31.0°C was recorded at Birganj station on 28th July while the lowest daily minimum temperature of 6.3°C was recorded at Humde station on 6th July. The country's average minimum temperature in July 2024 was the highest in last 44 years (Figure 10).

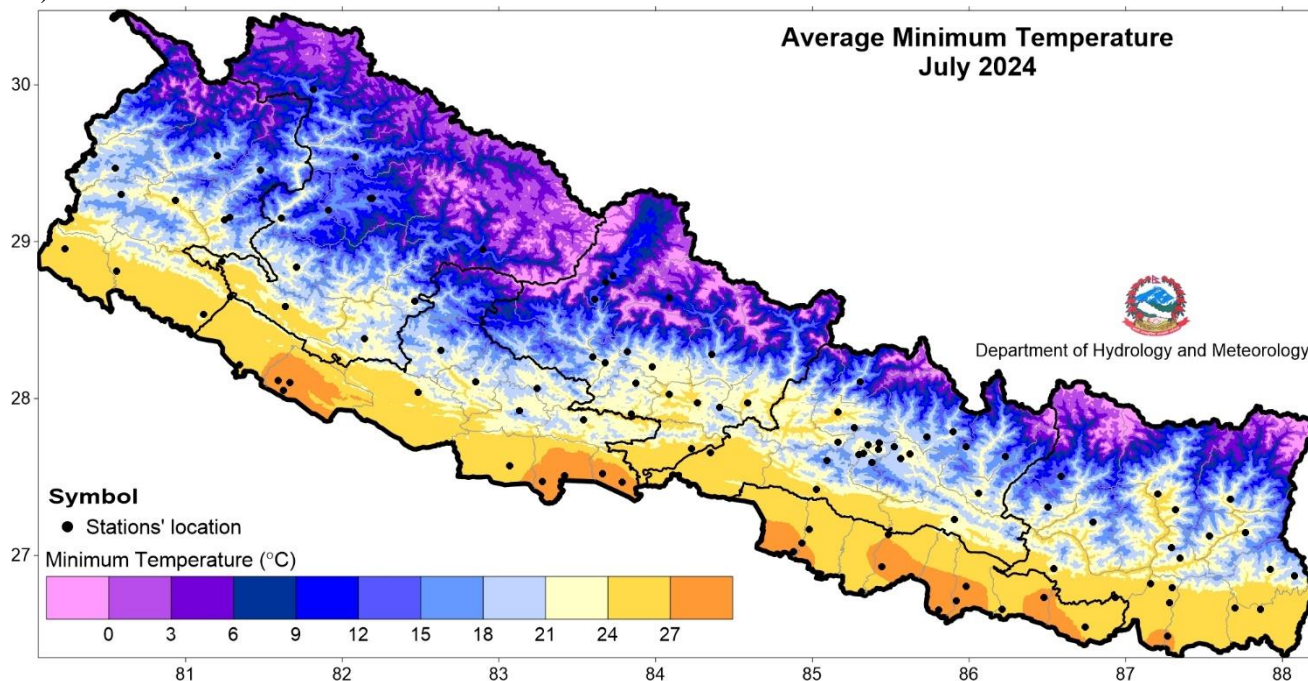


Figure 8: Minimum Temperature in July 2024.

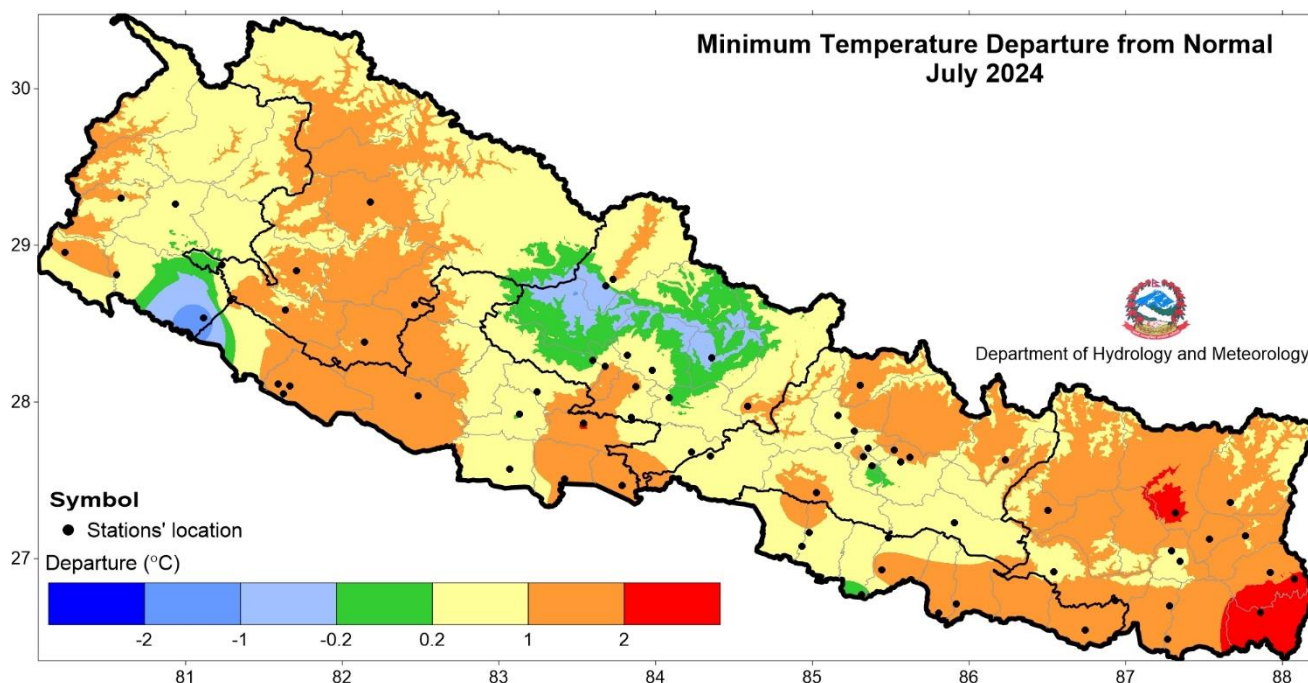


Figure 9: Departure from normal minimum temperature in July 2024.



Government of Nepal
Ministry of Energy, Water Resource and Irrigation
Department of Hydrology and Meteorology
Climate Division (Climate Analysis Section)
Babarmahal, Kathmandu

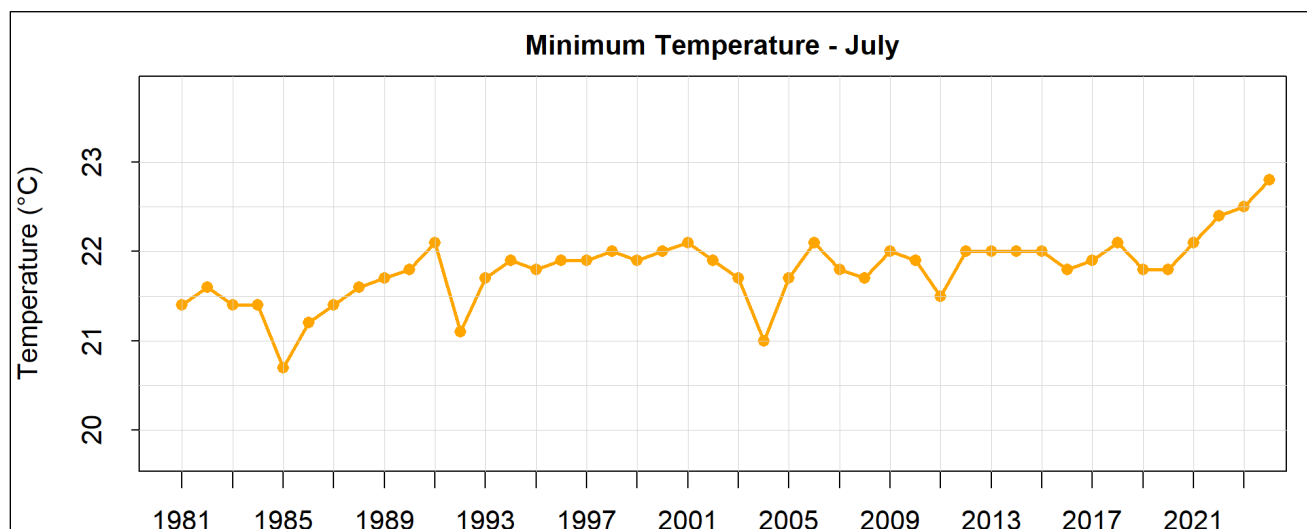


Figure 10: Monthly average minimum temperature of July from 1981 to 60 stations (average of monthly average minimum temperature at stations having long term data).

Historical record break

Some of the stations broke the previous record of ever-recorded extremes and July's extremes of temperature and precipitation (Table 2, 3, 4 & 5).

Table 2: List of stations breaking ever-recorded highest daily maximum temperature in July 2024.

| S.N. | Station Name | District | Record break maximum temperature (°C)/Date | Previous highest maximum temperature (°C)/Date |
|------|--------------|----------|--|--|
| 1 | Diktel | Khotang | 30.2/2024-07-27 | 30.0/2012-05-15 |

Table 3: List of stations breaking the July's highest daily maximum temperature in July 2024.

| S.N. | Station Name | District | Record break maximum temperature (°C)/Date | Previous highest maximum temperature (°C)/Date |
|------|------------------|---------------|--|--|
| 1 | Bajura (Martadi) | Bajura | 31.5/2024-07-28 | 31.0/2018-07-19 |
| 2 | Diktel | Khotang | 30.2/2024-07-27 | 29.0/2010-07-27 |
| 3 | Khadbari | Sankhuwasabha | 35.0/2024-07-31 | 33.5/2009-07-20 |
| 4 | Khumaltar | Lalitpur | 34.0/2024-07-26 | 31.6/2022-07-15 |
| 5 | Lahan | Siraha | 38.5/2024-07-26 | 38.0/2018-07-20 |
| 6 | Phidim | Panchthar | 35.7/2024-07-26 | 35.0/2019-07-01 |



Government of Nepal
Ministry of Energy, Water Resource and Irrigation
Department of Hydrology and Meteorology
Climate Division (Climate Analysis Section)
Babarmahal, Kathmandu

Table 4: List of stations breaking the July's lowest daily minimum temperature in July 2024.

| S.N. | Station Name | District | Record break minimum temperature (°C)/Date | Previous lowest minimum temperature (°C)/Date |
|------|--------------|----------|--|---|
| 1 | Darchula | Darchula | 19.5/2024-07-08 | 19.8/2016-7-24 |

Table 5: Station breaking July's highest daily precipitation in July 2024.

| S.N. | Station Name | District | Record break daily precipitation (mm)/Date | Previous highest precipitation(mm)/Date |
|------|--------------|------------|--|---|
| 1 | Chapakot | Syangja | 245.2/2024-07-06 | 226.4/2009-07-28 |
| 2 | Dadeldhura | Dadeldhura | 140.0/2024-07-08 | 126.4/2014-07-19 |
| 3 | Ghorai | Dang | 213.5/2024-07-06 | 136.3/2021-07-08 |
| 4 | Humde | Manang | 34.9/2024-07-06 | 21.2/2018-07-25 |
| 5 | Simikot | Humla | 62.2/2024-07-05 | 40.2/1996-07-01 |



Government of Nepal
Ministry of Energy, Water Resource and Irrigation
Department of Hydrology and Meteorology
Climate Division (Climate Analysis Section)
Babarmahal, Kathmandu

Annex 1: Monthly precipitation and temperature data of July 2024

| Station | Latitude | Longitude | Elevation | Precipitation | | | | | | | Temperature | | | | | | | No. of days with maximum temp. > 30°C |
|-----------------------|----------|-----------|-----------|---------------|-------------|-------------------|---------|---------|---------|--------------------------------------|--------------|----------------------------|----------------------------|--------------|----------------------------|---------------------------|---------|---------------------------------------|
| | | | | Total (mm) | % of Normal | No. of Rainy Days | | | | 24hr Highest precipitation (mm)/Date | Maximum | | | Minimum | | | | |
| | | | | | | ≥1.0mm | ≥10.0mm | ≥25.0mm | ≥50.0mm | | Average (°C) | Departure from normal (°C) | Highest temperature / Date | Average (°C) | Departure from normal (°C) | Lowest temperature / Date | | |
| Baglung | 28.2636 | 83.6003 | 964 | 836.7 | 152.6 | 23 | 18 | 13 | 5 | 107.6/7 | 31.8 | 0.5 | 36/27 | 23.0 | 21.8 | 0.0 | 16/7 | |
| Bahrabise | 27.7887 | 85.9000 | 884 | 879.9 | 134.1 | 30 | 22 | 14 | 5 | 104.3/31 | 32.5 | - | 35.2/26 | 25.0 | 23.0 | - | 20/11 | |
| Baitadi (Gothalapani) | 29.5574 | 80.4132 | 1352 | 520.3 | 166.2 | 17 | 13 | 6 | 4 | 107.4/8 | 30.1 | - | 34.5/1 | 22.0 | 20.0 | - | 17/8 | |
| Bajura (Martadi) | 29.4570 | 81.4804 | 1598 | 757.9 | 148.0 | 29 | 23 | 13 | 2 | 78.4/17 | 28.3 | - | 31.5/28 | 9.0 | 20.4 | - | 18.1/26 | |
| Bandipur | 27.9418 | 84.4064 | 991 | 877.9 | 201.4 | 25 | 15 | 10 | 8 | 115.4/6 | 29.5 | - | 31/28 | 18.0 | 17.8 | - | 15.5/22 | |
| Bhairahawa Airport | 27.5068 | 83.4204 | 108 | 816.2 | 163.9 | 18 | 14 | 12 | 5 | 157.6/12 | 34.2 | 0.7 | 37.6/27 | 28.0 | 27.3 | 1.0 | 24/25 | |
| Bhaktapur | 27.6767 | 85.4240 | 1315 | 623.7 | 183.1 | 28 | 15 | 9 | 5 | 86.9/6 | 30.8 | - | 34/17 | 22.0 | 22.0 | - | 20/7 | |
| Bijuwara Tar | 28.1035 | 82.8520 | 835 | 557.4 | 181.2 | 20 | 12 | 8 | 4 | 126.3/6 | 32.0 | - | 35.2/15 | 27.0 | 23.7 | - | 21.9/7 | |
| Biratnagar Airport | 26.4840 | 87.2670 | 72 | 541.7 | 113.9 | 15 | 11 | 8 | 3 | 176/2 | 33.4 | 0.8 | 37.4/26 | 28.0 | 27.2 | 1.3 | 24.3/2 | |
| Birganj | 27.0232 | 84.8782 | 67 | 454.3 | 95.5 | 18 | 11 | 8 | 3 | 98.8/6 | 35.6 | - | 39.8/22 | 30.0 | 28.2 | - | 25/6 | |
| Chainpur (East) | 27.2921 | 87.3170 | 1277 | 361.4 | 131.3 | 28 | 13 | 3 | 1 | 61.1/31 | 29.3 | 1.7 | 31.5/26 | 12.0 | 21.3 | 2.3 | 20/2 | |
| Chainpur Bajhang | 29.5459 | 81.2011 | 1405 | 406.5 | - | 25 | 15 | 6 | 0 | 45.5/7 | 29.3 | - | 32.5/10 | 16.0 | 20.9 | - | 17.5/8 | |
| Changu Narayan | 27.7161 | 85.4268 | 1502 | 806.6 | 199.1 | 27 | 22 | 12 | 7 | 95.1/31 | 29.1 | - | 31.9/31 | 14.0 | 20.1 | - | 18.5/31 | |
| Chapakot | 27.8999 | 83.8459 | 617 | 1048.7 | 213.4 | 21 | 18 | 11 | 7 | 245.2/6 | 33.7 | 1.2 | 37.8/27 | 24.0 | 23.8 | 0.3 | 17.5/18 | |
| Charikot | 27.6902 | 85.9802 | 2132 | 822.6 | 143.4 | 30 | 21 | 15 | 5 | 87/30 | 23.3 | - | 26.2/29 | 0.0 | 16.9 | - | 14.7/12 | |
| Chatara | 26.8204 | 87.1592 | 105 | 488.0 | 87.0 | 19 | 11 | 8 | 1 | 117.3/9 | 34.5 | - | 38.3/26 | 30.0 | 26.3 | - | 23/7 | |
| Chaurjhari Tar | 28.6540 | 82.2103 | 863 | 606.0 | 177.2 | 24 | 18 | 9 | 2 | 100.5/3 | 32.6 | 0.4 | 37.5/16 | 26.0 | - | - | - | |
| Chautara | 27.7538 | 85.7321 | 1552 | 649.7 | 136.3 | 29 | 18 | 10 | 4 | 76.7/10 | 28.7 | - | 32.4/19 | 10.0 | 16.2 | - | 13.9/12 | |
| Chisapani (Karnali) | 28.6472 | 81.2854 | 201 | 623.1 | 88.9 | 20 | 15 | 7 | 4 | 126.1/2 | 34.3 | 2.3 | 37.1/20 | 28.0 | 26.6 | 1.3 | 24/7 | |
| Dadeldhura | 29.3014 | 80.5878 | 1879 | 517.0 | 159.6 | 20 | 12 | 6 | 3 | 140/8 | 25.6 | 1.0 | 29/29 | 0.0 | 18.4 | 0.9 | 15/27 | |
| Dailekh | 28.8381 | 81.7085 | 1394 | 449.6 | 97.3 | 26 | 18 | 6 | 0 | 41/8 | 28.5 | -0.5 | 34/27 | 5.0 | 18.8 | 1.1 | 17.2/7 | |
| Damak | 26.6623 | 87.6988 | 119 | 473.3 | 73.6 | 17 | 13 | 10 | 2 | 69.2/7 | 33.9 | - | 38.5/26 | 28.0 | 24.9 | - | 23.5/1 | |
| Daman | 27.6044 | 85.0920 | 2265 | 664.5 | - | 27 | 18 | 7 | 4 | 100.2/7 | 22.7 | - | 25.5/29 | 0.0 | 15.9 | - | 13/30 | |
| Damauli | 27.9737 | 84.2651 | 347 | 692.1 | 172.2 | 24 | 14 | 9 | 4 | 126/6 | 34.0 | - | 37.5/26 | 26.0 | 25.5 | - | 23/7 | |
| Darchula New | 29.8429 | 80.5388 | 887 | 1213.4 | - | 28 | 25 | 20 | 9 | 118/11 | 32.1 | - | 35.8/16 | 25.0 | 23.1 | - | 19.5/8 | |
| Dhangadhi (Attariya) | 28.8127 | 80.5600 | 184 | 994.6 | 187.1 | 21 | 14 | 10 | 7 | 184.7/8 | 34.0 | 0.8 | 37.3/20 | 26.0 | 26.9 | 1.1 | 23.8/13 | |
| Dhankuta | 26.9832 | 87.3460 | 1192 | 230.2 | 96.3 | 18 | 6 | 3 | 1 | 69.6/9 | 29.8 | 2.1 | 33.4/27 | 18.0 | 21.4 | 0.7 | 20/8 | |
| Dharan Bazar | 26.7922 | 87.2978 | 310 | 551.0 | 101.3 | 21 | 14 | 7 | 2 | 146.1/9 | 32.8 | - | 36.8/26 | 26.0 | 26.2 | - | 25/7 | |
| Dhulikhel | 27.6161 | 85.5655 | 1543 | 490.3 | 126.4 | 27 | 15 | 5 | 2 | 85/7 | 28.0 | 2.2 | 31/15 | 11.0 | 19.7 | 0.8 | 18.5/7 | |
| Dhunde | 28.1053 | 85.3077 | 2005 | 603.9 | 111.0 | 29 | 23 | 11 | 0 | 39.4/16 | 23.5 | -0.6 | 26.7/27 | 0.0 | 17.9 | 1.5 | 16.7/7 | |
| Dhunibesi | 27.7229 | 85.1643 | 991 | 551.8 | 133.7 | 28 | 17 | 8 | 0 | 47.2/12 | 30.8 | 0.2 | 33.5/20 | 20.0 | 23.1 | 1.0 | 21.4/7 | |
| Diktel | 27.2125 | 86.7919 | 1612 | 456.6 | 135.3 | 21 | 13 | 8 | 1 | 53/10 | 25.5 | - | 30.2/27 | 1.0 | 19.5 | - | 16.5/9 | |
| Dipayal (Doti) | 29.2621 | 80.9369 | 563 | 554.1 | 240.3 | 19 | 13 | 9 | 4 | 84.3/7 | 33.8 | -0.3 | - | - | 25.2 | 0.8 | 22/8 | |
| Dumkauli | 27.6807 | 84.2285 | 183 | 662.7 | 107.7 | 20 | 18 | 10 | 5 | 111.4/11 | 34.1 | 0.4 | 37.4/26 | 28.0 | 26.4 | 0.6 | 24/6 | |
| Dunai | 28.9507 | 82.8960 | 2098 | 154.8 | 183.1 | 20 | 6 | 0 | 0 | 23/16 | 29.2 | - | 32/15 | 18.0 | 15.1 | - | 12.5/7 | |
| Gaida (Kankai) | 26.6569 | 87.8607 | 107 | 480.5 | 65.4 | 20 | 11 | 8 | 4 | 73.2/16 | 33.8 | 0.8 | 37.8/26 | 29.0 | 26.9 | 2.8 | 25/7 | |
| Gaur | 26.7671 | 85.3130 | 77 | 270.9 | 72.4 | 10 | 7 | 4 | 1 | 77.5/12 | 35.2 | 1.4 | 38.6/30 | 30.0 | 25.2 | -0.3 | 22.5/10 | |
| Ghorai (Dang) | 28.0372 | 82.4842 | 663 | 661.7 | 157.2 | 23 | 11 | 7 | 4 | 213.5/6 | 31.0 | 0.6 | 34.5/27 | 24.0 | 24.8 | 1.7 | 22.1/6 | |
| Godavari | 27.5929 | 85.3788 | 1527 | 629.3 | 139.1 | 29 | 17 | 8 | 4 | 98/6 | 26.9 | 1.0 | 30/18 | 3.0 | 18.5 | 0.0 | 16.5/6 | |
| Gorkha (Birenchowk) | 27.9714 | 84.5894 | 724 | 799.0 | 193.6 | 23 | 16 | 11 | 4 | 132/31 | 31.9 | 1.1 | 35/29 | 25.0 | 23.9 | 1.1 | 22.3/7 | |
| Gulariya | 28.2128 | 81.3452 | 126 | 349.9 | 90.8 | 16 | 6 | 4 | 2 | 149.3/7 | 34.7 | - | 37.3/27 | 30.0 | 26.5 | - | 24.2/7 | |
| Hardinath | 26.8000 | 85.9833 | 93 | 639.5 | - | 13 | 10 | 7 | 4 | 178.9/2 | 33.4 | - | 36.7/26 | 27.0 | 27.3 | - | 22.5/15 | |
| Hetauda N.F.I. | 27.4202 | 85.0252 | 452 | 555.2 | 81.2 | 24 | 16 | 10 | 2 | 95.5/12 | 32.6 | 0.4 | 36/26 | 27.0 | 25.1 | 1.3 | 23.1/31 | |
| Humde | 28.6399 | 84.0881 | 3401 | 158.9 | - | 20 | 6 | 2 | 0 | 34.9/6 | 19.6 | - | - | - | 11.4 | - | 6.3/6 | |
| Ilam Tea Estate | 26.9096 | 87.9231 | 1208 | 317.6 | 81.4 | 19 | 8 | 5 | 1 | 57.8/6 | 26.3 | 0.3 | 29.5/26 | 0.0 | 20.8 | 1.7 | 19/13 | |
| Jalesor | 26.6522 | 85.8073 | 68 | 315.3 | 119.3 | 12 | 7 | 4 | 2 | 115/2 | 34.5 | 0.6 | 38/26 | 28.0 | 27.7 | 1.8 | - | |
| Janakpur Airport | 26.7097 | 85.9172 | 76 | 381.7 | 87.2 | 14 | 8 | 5 | 2 | 127.7/2 | 34.6 | 1.7 | 38.4/29 | 29.0 | 28.0 | 1.5 | 24.8/12 | |
| Jiri | 27.6304 | 86.2321 | 1877 | 684.7 | 107.4 | 31 | 18 | 12 | 3 | 72.2/26 | 24.7 | 0.5 | 27.5/27 | 0.0 | 18.3 | 1.1 | 14.9/13 | |
| Jomsom | 28.7840 | 83.7298 | 2741 | 91.5 | 195.6 | 13 | 3 | 1 | 0 | 30.3/7 | 23.2 | 0.4 | 26/16 | 0.0 | 15.3 | 1.2 | 13.5/6 | |
| Jumla | 29.2747 | 82.1796 | 2363 | 168.1 | 94.7 | 19 | 8 | 0 | 0 | 20.5/5 | 26.5 | 1.4 | 29.5/2 | 0.0 | 17.4 | 1.5 | 15.6/8 | |
| Jumla Airport | 29.2740 | 82.1942 | 2384 | 166.8 | - | 18 | 7 | 0 | 0 | 18.7/5 | 26.2 | - | 29.3/1 | 0.0 | 16.2 | - | 14.5/7 | |



Government of Nepal
Ministry of Energy, Water Resource and Irrigation
Department of Hydrology and Meteorology
Climate Division (Climate Analysis Section)
Babarmahal, Kathmandu

| Station | Latitude | Longitude | Elevation | Precipitation | | | | | | Temperature | | | | | | |
|----------------------|----------|-----------|-----------|---------------|-------------|-------------------|---------|---------|---------|--------------------------------------|--------------|----------------------------|----------------------------|--------------|----------------------------|---------------------------|
| | | | | Total (mm) | % of Normal | No. of Rainy Days | | | | 24hr Highest precipitation (mm)/Date | Maximum | | | Minimum | | |
| | | | | | | ≥1.0mm | ≥10.0mm | ≥25.0mm | ≥50.0mm | | Average (°C) | Departure from normal (°C) | Highest temperature / Date | Average (°C) | Departure from normal (°C) | Lowest temperature / Date |
| Kakani | 27.8113 | 85.2674 | 2002 | 980.4 | 130.0 | 29 | 27 | 18 | 8 | 57.8/28 | 22.7 | 0.0 | 26/27 | 0.0 | 17.2 | 0.8 |
| Kanyam Tea Estate | 26.8681 | 88.0783 | 1570 | 761.0 | 98.6 | 28 | 20 | 8 | 4 | 134.8/2 | 23.7 | 0.8 | 28.5/29 | 0.0 | 19.2 | 2.1 |
| Karmaiya | 27.1330 | 85.4841 | 139 | 608.7 | 111.3 | 19 | 13 | 10 | 4 | 118/12 | 34.1 | 0.6 | 37.5/26 | 28.0 | 26.9 | 0.7 |
| Kathmandu Airport | 27.7038 | 85.3562 | 1337 | 735.2 | 191.6 | 24 | 21 | 14 | 4 | 68.6/6 | 29.3 | 0.6 | 32.5/29 | 16.0 | 21.2 | 0.9 |
| Khadbari | 27.3911 | 87.2044 | 1064 | 426.6 | - | 29 | 17 | 7 | 0 | 42.3/17 | 30.2 | - | 35/31 | 23.0 | 22.3 | - |
| Khairini Tar | 28.0270 | 84.0866 | 515 | 1041.5 | 202.0 | 24 | 16 | 12 | 7 | 192.4/6 | 33.3 | 0.5 | 36.6/27 | 25.0 | 24.4 | 0.2 |
| Khajura (Nepalganj) | 28.1137 | 81.5903 | 129 | 368.5 | 94.4 | 21 | 7 | 4 | 1 | 159.9/7 | 34.6 | 0.8 | 38.4/27 | 27.0 | 27.4 | 1.5 |
| Khanchikot | 27.9221 | 83.1298 | 1801 | 661.8 | 137.9 | 25 | 19 | 8 | 2 | 143.5/6 | 24.5 | 1.0 | 28.5/15 | 0.0 | 17.8 | 0.1 |
| Khokana | 27.6438 | 85.2967 | 1309 | 443.8 | 129.9 | 26 | 11 | 6 | 4 | 65/31 | 29.2 | - | 31.8/27 | 12.0 | 21.2 | - |
| Khudi Bazar | 28.2822 | 84.3564 | 838 | 1224.5 | 140.5 | 27 | 21 | 18 | 11 | 111.5/3 | 30.1 | -0.5 | 33.5/27 | 18.0 | 21.3 | -0.3 |
| Khumaltar | 27.6517 | 85.3257 | 1334 | 556.1 | 192.4 | 26 | 15 | 7 | 4 | 87.6/23 | 29.3 | 1.5 | 34/26 | 15.0 | 21.7 | 1.2 |
| Kushma | 28.2249 | 83.6769 | 900 | 1070.9 | 152.5 | 27 | 19 | 15 | 6 | 128/7 | 31.0 | -0.2 | - | - | 23.0 | 1.2 |
| Lahan | 26.7327 | 86.4776 | 110 | 399.0 | 118.0 | 13 | 10 | 5 | 3 | 74.5/6 | 34.8 | - | 38.5/26 | 30.0 | 27.4 | - |
| Lete | 28.6327 | 83.6092 | 2490 | 350.7 | 126.2 | 27 | 11 | 3 | 1 | 53/7 | 20.4 | - | - | - | 15.3 | - |
| Libang Gaun | 28.3062 | 82.6323 | 1314 | 468.9 | 127.5 | 24 | 12 | 8 | 3 | 63/7 | 29.6 | - | 33.5/15 | 19.0 | 21.8 | - |
| Lumbini | 27.4703 | 83.2761 | 95 | 552.6 | 140.2 | 18 | 13 | 9 | 4 | 85/12 | 34.1 | - | 37.5/26 | 30.0 | 27.2 | - |
| Lumle | 28.2965 | 83.8179 | 1738 | 1728.9 | 117.4 | 29 | 26 | 20 | 12 | 179.9/11 | 24.3 | 0.5 | 27/20 | 0.0 | 18.5 | 0.7 |
| Mahendra Nagar | 28.9548 | 80.2305 | 197 | 631.1 | 122.7 | 21 | 11 | 8 | 4 | 178.2/8 | 33.9 | 0.6 | 37.5/30 | 27.0 | 26.7 | 1.0 |
| Mangalsen | 29.1361 | 81.2501 | 1310 | 602.8 | 175.4 | 21 | 12 | 9 | 5 | 89.7/17 | 28.7 | - | 32.8/27 | 13.0 | 21.7 | - |
| Manma | 29.1488 | 81.6135 | 1729 | 578.6 | - | 26 | 16 | 10 | 3 | 77.4/6 | 25.5 | - | 28.3/27 | 0.0 | 19.0 | - |
| Manthali | 27.3947 | 86.0612 | 497 | 329.9 | 122.1 | 23 | 9 | 4 | 2 | 70.5/6 | 34.0 | - | 37.8/27 | 26.0 | 24.2 | - |
| Manusmara | 26.9280 | 85.4451 | 90 | 344.9 | 78.7 | 16 | 8 | 4 | 3 | 83.2/1 | 33.4 | -0.1 | 37/26 | 28.0 | 27.5 | 1.3 |
| Musikot (Rukumkot) | 28.6190 | 82.4625 | 1412 | 735.6 | 127.6 | 29 | 22 | 12 | 4 | 72.3/15 | 29.5 | 1.4 | 32.6/15 | 19.0 | 21.0 | 1.5 |
| Nagarkot | 27.6933 | 85.5209 | 2147 | 701.5 | 146.9 | 29 | 18 | 12 | 4 | 80.5/31 | 22.5 | 0.3 | 25.4/25 | 0.0 | 16.7 | 1.1 |
| Nagma | 29.2006 | 81.9106 | 2017 | 148.8 | 100.3 | 18 | 5 | 0 | 0 | 21/16 | 26.0 | - | 29/28 | 0.0 | 18.6 | - |
| Nepalgunj Airport | 28.1006 | 81.6682 | 165 | 422.3 | 87.5 | 19 | 10 | 3 | 2 | 140.4/7 | 33.9 | 0.1 | 36.8/20 | 27.0 | 27.3 | 1.5 |
| Nepalgunj (Reg.Off.) | 28.0520 | 81.6228 | 141 | 470.8 | 122.1 | 18 | 10 | 5 | 2 | 177/7 | 34.6 | 1.2 | 37.5/29 | 28.0 | 27.6 | 1.0 |
| Nuwakot | 27.9150 | 85.1646 | 966 | 659.6 | 135.4 | 29 | 22 | 10 | 3 | 64.2/19 | 30.5 | 0.1 | 33.8/26 | 22.0 | 22.6 | 0.7 |
| Okhaldhunga | 27.3081 | 86.5042 | 1731 | 573.0 | 137.1 | 24 | 13 | 8 | 5 | 108.7/31 | 25.5 | 0.6 | 28.4/27 | 0.0 | 18.9 | 1.2 |
| Oli Gaun (Patkani) | 29.1559 | 81.2831 | 989 | 506.9 | - | 22 | 12 | 8 | 5 | 71.2/17 | 29.6 | - | 31.4/4 | 13.0 | 17.4 | - |
| Pakhribas | 27.0463 | 87.2925 | 1720 | 314.3 | 82.0 | 25 | 9 | 3 | 0 | 45.5/10 | 24.4 | 1.0 | 27.5/27 | 0.0 | 18.6 | 0.7 |
| Panchkhal | 27.6451 | 85.6209 | 857 | 525.0 | 188.0 | 26 | 14 | 7 | 3 | 89/6 | 32.6 | 0.7 | - | - | 23.6 | 1.1 |
| Parasi | 27.5193 | 83.6622 | 112 | 699.5 | 151.5 | 21 | 14 | 9 | 5 | 120.5/11 | 33.6 | - | 38/27 | 27.0 | 27.1 | - |
| Parwanipur | 27.0789 | 84.9327 | 87 | 558.3 | 119.8 | 14 | 9 | 7 | 7 | 107.3/2 | 33.5 | 0.5 | 37/26 | 27.0 | 27.1 | 0.8 |
| Patan new | 29.4664 | 80.5506 | 1299 | 416.8 | - | 19 | 9 | 6 | 4 | 85.1/8 | 29.5 | - | 32.2/24 | 19.0 | 21.5 | - |
| Phattepur | 26.7305 | 86.9348 | 101 | 274.7 | 52.6 | 9 | 9 | 5 | 0 | 41.5/1 | 33.6 | -0.2 | 37.5/26 | 28.0 | 26.5 | 1.0 |
| Phidim (Panchther) | 27.1437 | 87.7656 | 1157 | 252.5 | 85.7 | 22 | 11 | 1 | 0 | 36/16 | 31.7 | 2.5 | 35.7/26 | 25.0 | 22.6 | 1.0 |
| Pokhara Airport | 28.2002 | 83.9795 | 827 | 1409.4 | 149.8 | 26 | 19 | 16 | 12 | 157.2/11 | 30.8 | 0.4 | 33.8/27 | 24.0 | 23.0 | 0.6 |
| Pusma Camp | 28.8755 | 81.2327 | 953 | 613.8 | 147.1 | 24 | 13 | 10 | 5 | 78.3/21 | 29.0 | 0.3 | 32/29 | 15.0 | 22.4 | 0.2 |
| Rajbiraj | 26.5407 | 86.7425 | 68 | 378.0 | 91.9 | 14 | 8 | 6 | 2 | 68.6/12 | 33.2 | 0.3 | 36.6/26 | 26.0 | 27.0 | 1.8 |
| Rampur | 27.6540 | 84.3508 | 189 | 566.9 | 107.2 | 23 | 12 | 7 | 3 | 92.7/31 | 34.4 | 0.9 | 37.5/29 | 29.0 | 25.6 | 0.3 |
| Rara | 29.5401 | 82.0818 | 2989 | 207.4 | - | 18 | 8 | 1 | 0 | 33.6/15 | 22.1 | - | 25.5/31 | 0.0 | 13.6 | - |
| Salleri | 27.5051 | 86.5862 | 2383 | 647.4 | 152.8 | 30 | 21 | 7 | 4 | 73.5/2 | 25.6 | - | 29.2/29 | 0.0 | 15.6 | - |
| Salyan Bazar | 28.3821 | 82.1423 | 1557 | 253.3 | 103.2 | 19 | 6 | 4 | 0 | 48.9/7 | 27.9 | 1.2 | 30.6/15 | 4.0 | 20.4 | 1.0 |
| Semari | 27.4682 | 83.7861 | 110 | 664.5 | 124.6 | 20 | 11 | 10 | 5 | 118/11 | 34.9 | -1.3 | 38.5/27 | 29.0 | 27.4 | 2.1 |
| Simara Airport | 27.1642 | 84.9800 | 137 | 448.4 | 81.6 | 16 | 7 | 7 | 5 | 90.7/31 | 33.9 | 0.9 | 37.7/26 | 26.0 | 26.7 | 1.0 |
| Simikot | 29.9715 | 81.8161 | 2993 | 339.2 | - | 21 | 10 | 4 | 1 | 62.2/5 | 21.4 | - | 26/1 | 0.0 | 14.0 | - |
| Sindhuli Madhi | 27.2281 | 85.9050 | 556 | 657.0 | 99.6 | 27 | 20 | 9 | 3 | 96.5/2 | 32.1 | 0.9 | 36/27 | 26.0 | 23.4 | 0.3 |
| Siraha | 26.6561 | 86.2117 | 63 | 567.6 | 137.5 | 13 | 8 | 4 | 3 | 186.4/1 | 34.2 | - | 38/26 | 29.0 | 26.7 | - |
| Surkhet Airport | 28.5879 | 81.6352 | 683 | 525.6 | 113.1 | 21 | 14 | 7 | 4 | 61.2/22 | 32.3 | 1.1 | 35.2/28 | 25.0 | 24.6 | 1.0 |
| Syangja | 28.0988 | 83.8722 | 871 | 1131.8 | 143.9 | 25 | 20 | 17 | 8 | 169/7 | 31.7 | 0.7 | 37.5/27 | 24.0 | 23.4 | 1.3 |



Government of Nepal
Ministry of Energy, Water Resource and Irrigation
Department of Hydrology and Meteorology
Climate Division (Climate Analysis Section)
Babarmahal, Kathmandu

| Station | Latitude | Longitude | Elevation | Precipitation | | | | | | Temperature | | | | | | |
|----------------|----------|-----------|-----------|---------------|-------------|-------------------|---------|---------|---------|--------------------------------------|--------------|----------------------------|----------------------------|--------------|----------------------------|---------------------------|
| | | | | Total (mm) | % of Normal | No. of Rainy Days | | | | 24hr Highest precipitation (mm)/Date | Maximum | | | Minimum | | |
| | | | | | | ≥1.0mm | ≥10.0mm | ≥25.0mm | ≥50.0mm | | Average (°C) | Departure from normal (°C) | Highest temperature / Date | Average (°C) | Departure from normal (°C) | Lowest temperature / Date |
| Tamghas | 28.0636 | 83.2435 | 1547 | 640.0 | 132.7 | 25 | 18 | 8 | 3 | 113.4/6 | 26.3 | 0.2 | 29.5/20 | 0.0 | 19.6 | 0.7 |
| Tansen | 27.8637 | 83.5387 | 1183 | 782.2 | 169.9 | 24 | 16 | 7 | 3 | 222.8/6 | 28.8 | - | 34/27 | 14.0 | 21.8 | 2.1 |
| Taplejung | 27.3586 | 87.67 | 1744 | 370.6 | 95.64 | 27 | 13 | 6 | 0 | 49.5/7 | 26.7 | 1.42 | 28.9/26 | 0 | 19.2 | 1.0065 |
| Tarahara | 26.6987 | 87.2786 | 120 | 541.9 | 99.52 | 19 | 11 | 6 | 4 | 132.6/9 | 33.5 | 1.33 | 37.5/26 | 29 | 26.6 | 1.1935 |
| Taulihawa | 27.5711 | 83.0672 | 106 | 626 | 150.1 | 18 | 11 | 9 | 6 | 120.1/7 | 33.3 | 0.11 | 36.5/27 | 27 | 26.8 | 0.9258 |
| Terhathum | 27.123 | 87.5362 | 1525 | 205.5 | 89.08 | 19 | 8 | 3 | 0 | 35.5/9 | 26.9 | 0.35 | 30/27 | 1 | 19.8 | 1.6387 |
| Thakmarpha | 28.7409 | 83.6816 | 2655 | 107.1 | 141.9 | 13 | 2 | 1 | 0 | 40.3/7 | 22.1 | 0.15 | 26/29 | 0 | 12.6 | -0.41 |
| Tikapur | 28.5366 | 81.115 | 149 | 577.5 | 120.1 | 20 | 10 | 5 | 3 | 156.3/7 | - | - | - | - | 23.8 | -1.839 |
| Udayapur Gadhi | 26.913 | 86.5397 | 469 | 698 | 156.2 | 23 | 16 | 10 | 7 | 116.3/9 | 32.1 | 1.21 | 36/27 | 25 | 25.2 | 0.871 |
| Tikapur | 28.5366 | 81.115 | 149 | 127.6 | 53.8 | 6 | 4 | 2 | 0 | 47.8/22 | 39.9 | 3.39 | 44.1/12 | 30 | 24.3 | -0.97 |
| Udayapur Gadhi | 26.913 | 86.5397 | 469 | 279.3 | 98.94 | 18 | 9 | 4 | 1 | 53.6/18 | 32.5 | 0.41 | 35.6/24 | 28 | 24.5 | 0.3933 |

Note:

- “mm” = millimeter; “temp” = temperature; “-” = Data Not Available.
- This summary is prepared based on the precipitation and temperature received at 112 meteorological stations during July, 2024. Out of 112 stations, 100 stations have normal precipitation data, 69 stations have normal maximum and 70 stations have normal minimum temperature data. Normal precipitation/temperature is the average of the monthly precipitation/temperature for period of 1991-2020.
- Less than 90% of normal precipitation is considered as below normal, 90 to 110% is considered as near normal, and more than 110% of normal precipitation is considered as above normal precipitation for the month.