



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

8th October 2024

**Preliminary Precipitation and Temperature Summary
September, 2024**

Highlights

Precipitation over the country as a whole was 170.1% of the normal indicating above normal precipitation. Above normal maximum temperature and minimum temperature was observed across most part of the country.

Synoptic Sequence

Deep cyclonic circulation which extended up to mid-tropospheric level along with mid-tropospheric westerly trough towards the end of September, a deep depression formed over Bangladesh and adjoining West Bengal, depression formed over north Chhatisgarh and adjoining interior Odisha, number of cyclonic circulations, and western disturbances as westerly trough affected weather of Nepal. Monsoon trough was at the northern side of normal position on most days of the third week.

Precipitation

Most part of Koshi Province and Bagmati Province, western part of Madhesh Province, south-eastern part of Gandaki Province, eastern part of Lumbini Province and southern part of Sudurpaschim Province recorded precipitation greater than 400 mm while northern part of Karnali Province and north-western part of Gandaki Province recorded precipitation less than 200 mm (Figure 1). Above normal precipitation was recorded over most part (Figure 2).

Hetauda N.F.I. station recorded the highest monthly precipitation of 778.7 mm while Nagma station recorded the lowest monthly precipitation of 55.5 mm. Similarly, Jomsom station recorded the highest percentage of normal of 394.3% while Lumle station recorded the lowest percentage of normal of 70.9% (Annex 1). Based on the average of 94 stations (stations with normal precipitation data shown in figure 2), Nepal received 170.1% of the normal precipitation. The highest daily precipitation of 410.0 mm was recorded at Daman station on 28th September.

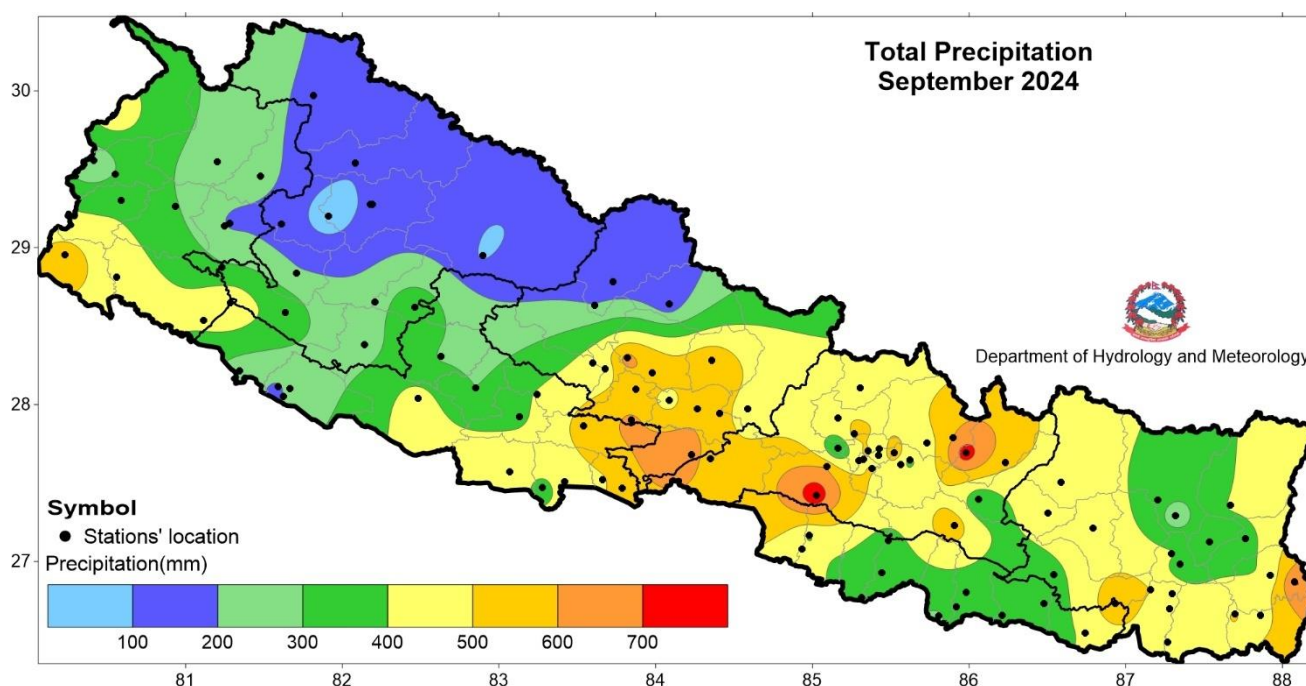


Figure 1: Total precipitation in September 2024.



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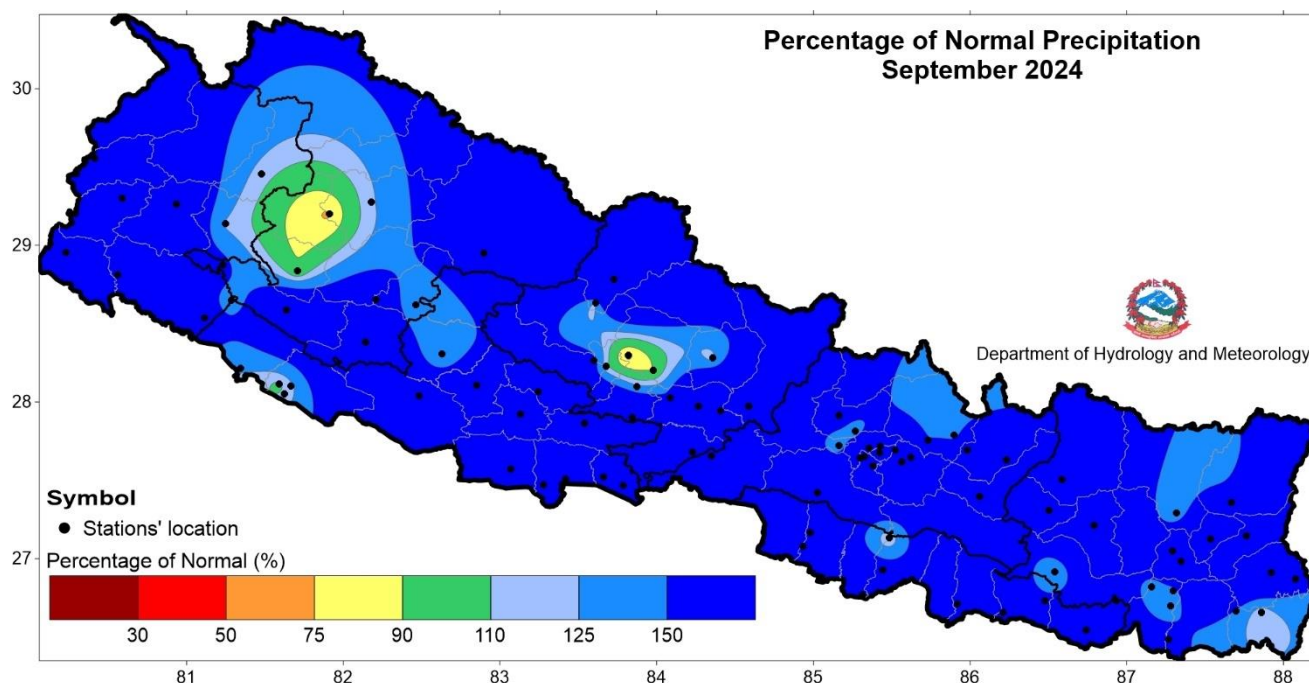


Figure 2: Percentage of normal precipitation in September 2024.

The temporal distribution of monthly cumulative average of daily precipitation shows that precipitation remained near-normal up to the end of the fourth week, followed by above normal precipitation for the rest of the month (Figure 3). The country averaged total precipitation of September 2024 was the highest since 1981 (Figure 4).

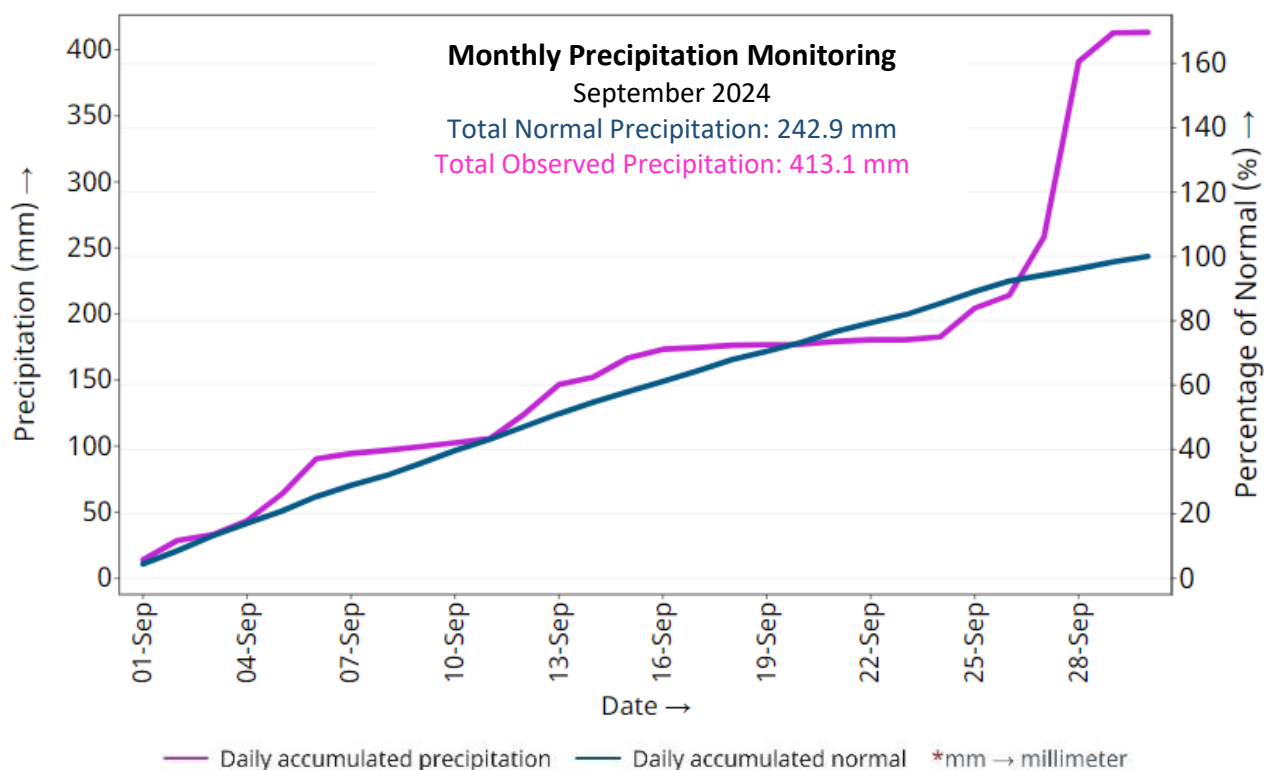


Figure 3: Cumulative average of daily normal and observed precipitation during September 2024.



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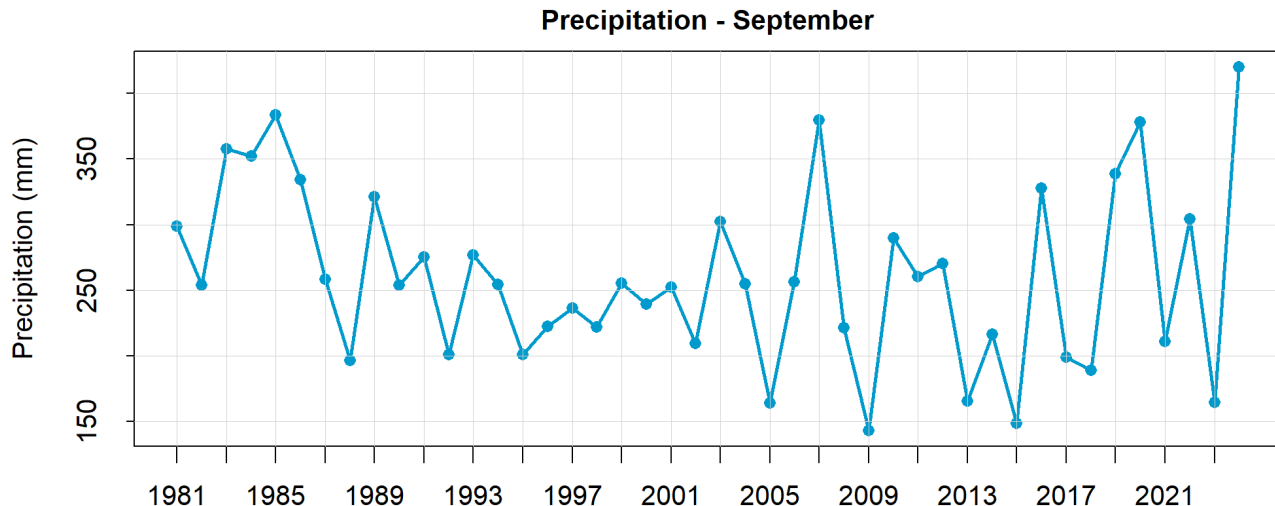
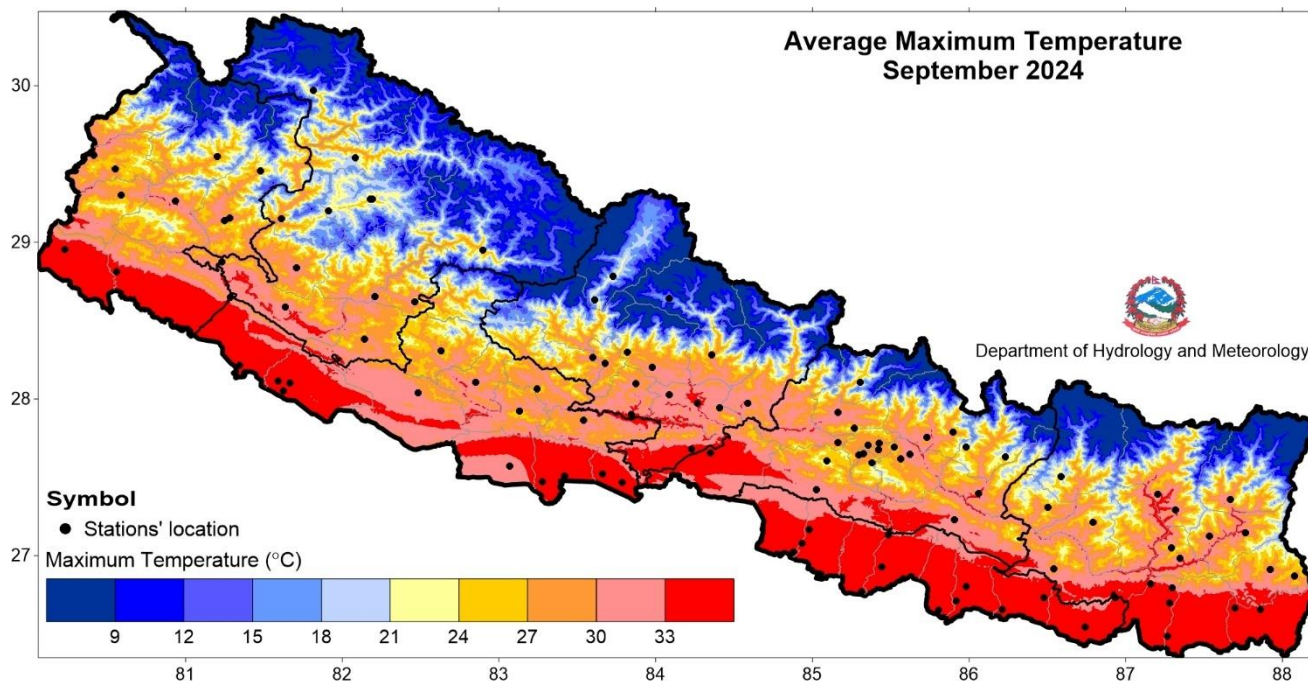


Figure 4: Monthly total precipitation of September from 1981 to 2024 of 97 stations (average of monthly total precipitation sum at stations having long term data).

Maximum Temperature

The maximum temperature in the most part of 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).

Chatara station and Humde station recorded the highest and lowest monthly maximum temperature of 34.9°C and 17.9°C respectively. Similarly, the highest monthly anomaly of 2.9°C was recorded at Dhulikhel station and the lowest of -1.1°C was recorded at Kushma station (Annex 1). The highest daily maximum temperature of 39.5°C was recorded at Lahan station on 23rd September while the lowest daily maximum temperature of 10.0°C was recorded at Humde station on 27th September. The country averaged maximum temperature of September 2024 was lower than in 2023 (Figure 7).





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Figure 5: Maximum Temperature in September 2024.

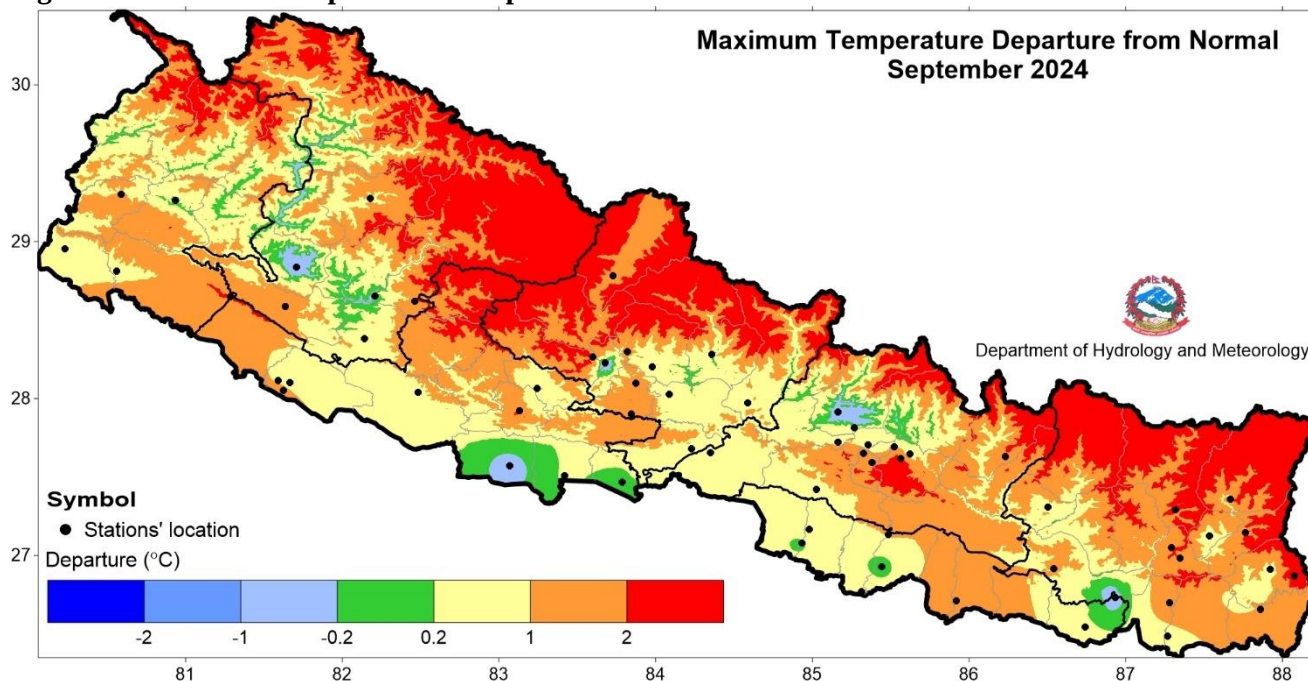


Figure 6: Departure from normal maximum temperature in September 2024.

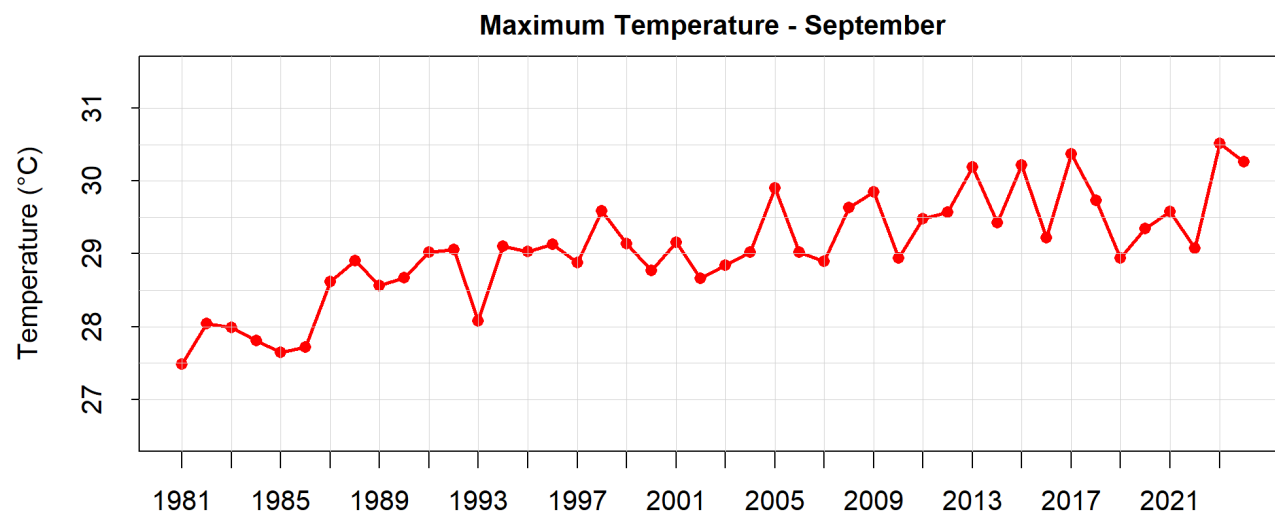


Figure 7: Monthly average maximum temperature of September from 1981 to 2024 of 59 stations (average of monthly average maximum temperature at stations having long term data).

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 recorded above normal minimum temperature, however a few isolated recorded normal to below normal minimum temperature (Figure 9).

Jaleshwor station and Humde station recorded the highest and lowest monthly minimum temperature of 27.3°C and 8.3°C respectively. Similarly, the highest monthly anomaly of 3.3°C was recorded at Chainpur (East) station



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and the lowest anomaly of -2.9°C was recorded at Tikapur station (Annex 1). The highest daily minimum temperature of 30.0°C was recorded at Jaleshwar station on 8th September while the lowest daily minimum temperature of 0.5°C was recorded at Humde station on 28th September. The country's average minimum temperature in September 2024 was the highest since 1981 (Figure 10).

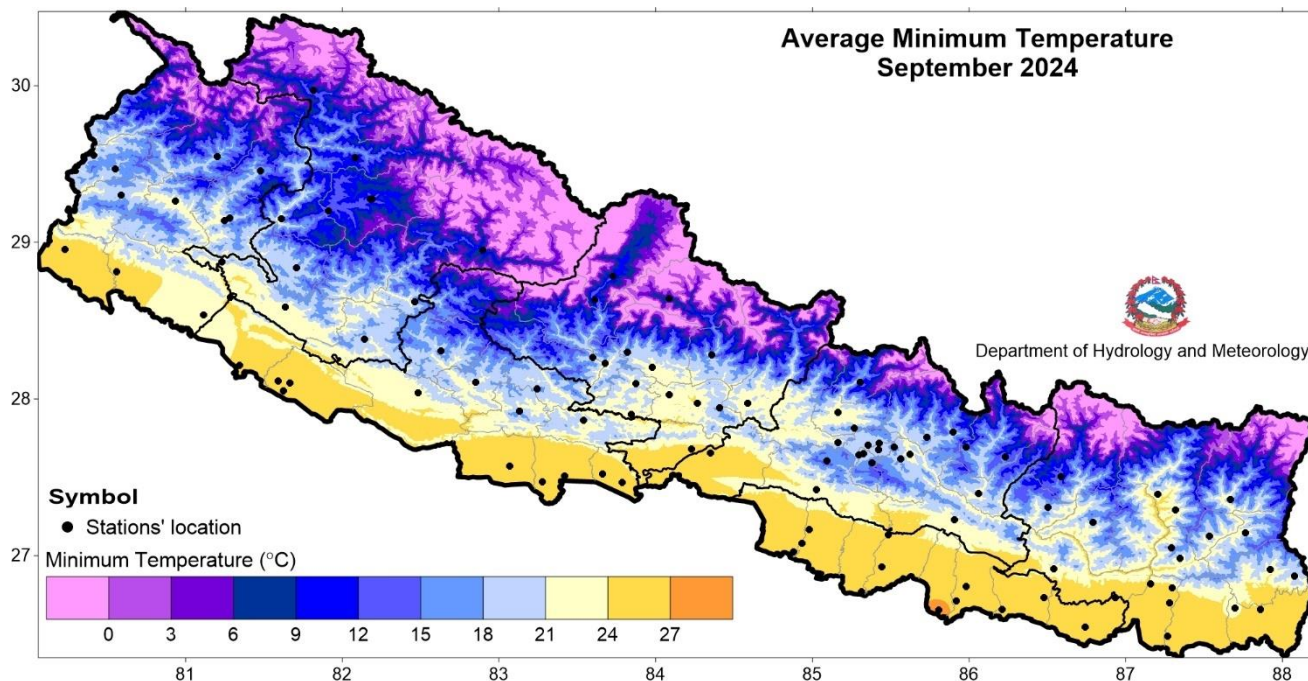


Figure 8: Minimum Temperature in September 2024.

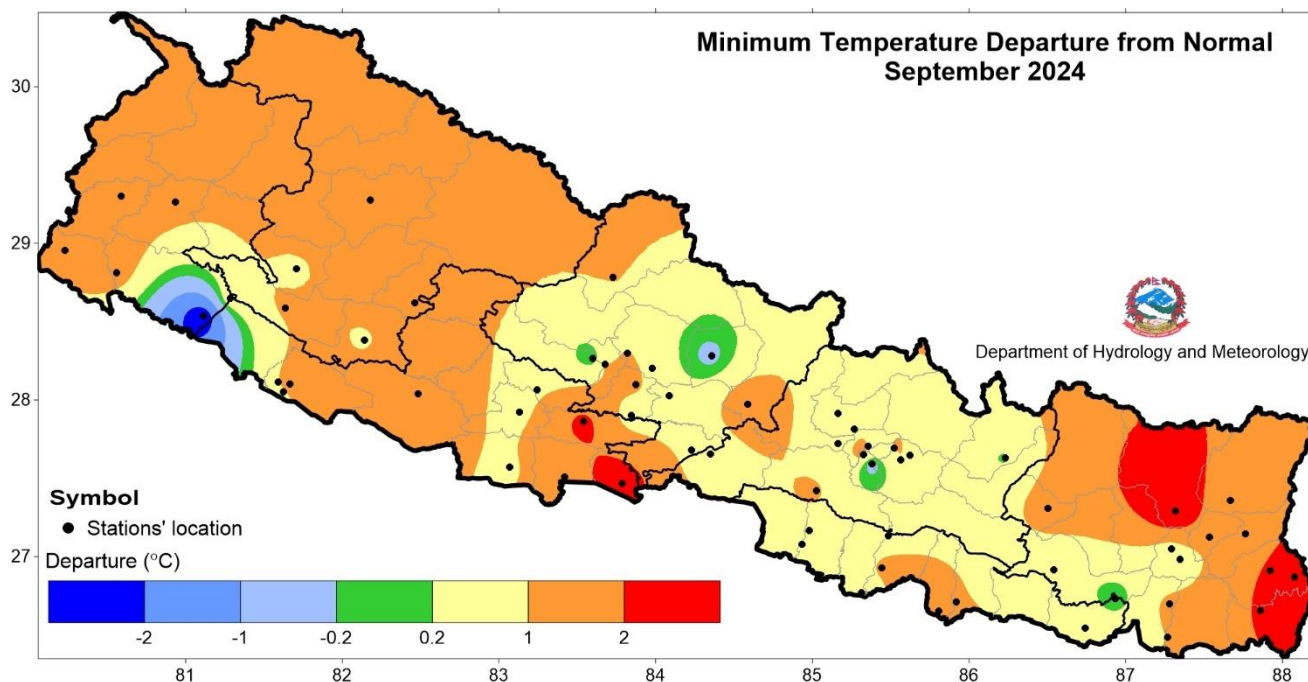


Figure 9: Departure from normal minimum temperature in September 2024.



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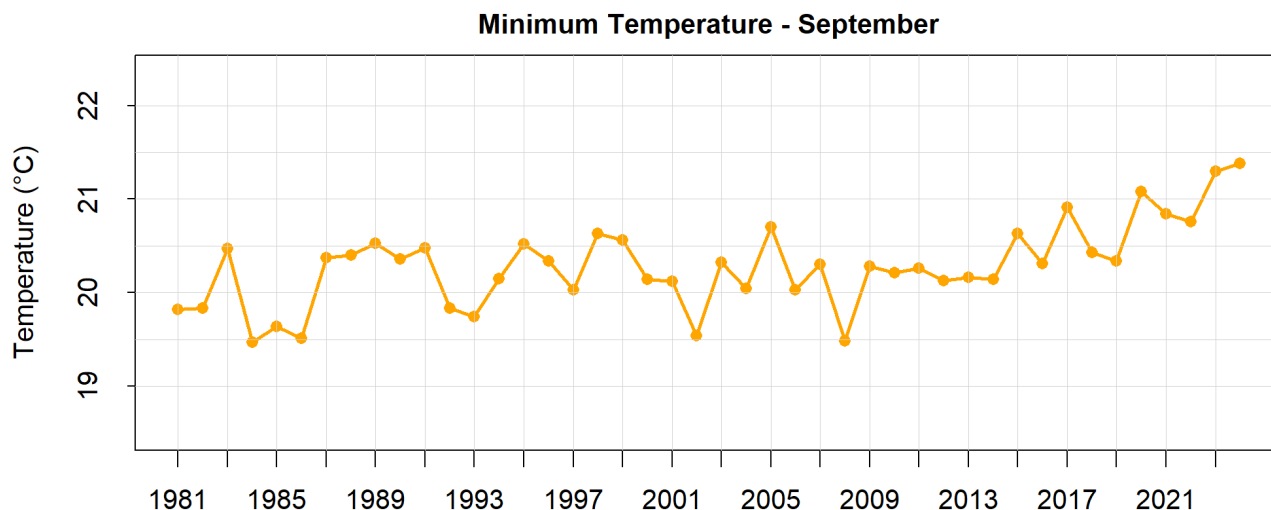


Figure 10: Monthly average minimum temperature of September from 1981 to 2024 of 60 stations (average of monthly average minimum temperature at stations having long term data).

Historical record break

Several stations broke the previous records of ever recorded and September’s extremes of temperature and precipitation in this September (Table 1 to 5). Additionally, stations not included in the regular climate summary are also listed in Table 2.

Table 1: List of stations breaking the ever-recorded highest daily maximum temperature in September 2024.

S.N.	Station Name	District	Record break maximum temperature (°C)/Date	Previous highest maximum temperature (°C)/Date
1	Dhankuta	Dhankuta	34.0/2024-09-23	33.7/2022-07-15
2	Kanyam Tea Estate	Ilam	30.5/2024-09-21	30.0/2023-06-03

Table 2: List of stations breaking ever-recorded highest daily precipitation in September 2024.

S.N.	Station Name	District	Record break daily precipitation (mm)/Date	Previous highest precipitation(mm)/Date
1	Sandhikharka	Arghakhanchi	196.6/2024-09-28	166.0/2021-06-16
2	Nangkhel	Bhaktapur	194.5/2024-09-28	191.5/2002-07-23
3	Govindabasti	Chitwan	264.0/2024-09-28	196.0/2024-07-19
4	Gajuri	Dhading	261.2/2024-09-28	131.3/2021-07-02
5	Chandragadi Airport	Jhapa	256.0/2024-09-28	188.2/2022-06-28
6	Panipokhari	Kathmandu	206.6/2024-09-28	198.0/1971-06-14
7	Kathmandu Airport	Kathmandu	239.7/2024-09-28	177.0/2002-07-23



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S.N.	Station Name	District	Record break daily precipitation (mm)/Date	Previous highest precipitation(mm)/Date
8	Buddhanilakantha	Kathmandu	178.3/2024-09-28	159.0/2002-07-23
9	Jitpurphedhi	Kathmandu	178.3/2024-09-28	128.2/2019-07-07
10	Nagarjun	Kathmandu	205.4/2024-09-28	147.5/2014-09-13
11	Khopasi	Kavrepalanchok	331.6/2024-09-28	276.9/2015-09-03
12	Panchkhal	Kavrepalanchok	232.5/2024-09-28	145.0/1999-10-21
13	Dhulikhel	Kavrepalanchok	224.6/2024-09-28	220.0/2002-07-23
14	Godavari	Lalitpur	311.6/2024-09-28	225.2/2002-07-23
15	Khumaltar	Lalitpur	294.4/2024-09-28	136.0/2022-08-10
16	Tikathali	Lalitpur	264.0/2024-09-28	207.0/2002-07-23
17	Khokana	Lalitpur	297.3/2024-09-28	249.2/2002-07-23
18	Chapagaun	Lalitpur	323.5/2024-09-28	200.5/2002-07-23
19	Daman	Makwanpur	410.0/2024-09-28	373.2/1993-07-20
20	Humde	Manang	84.2/2024-09-28	64.7/2022-10-07
21	Kakani	Nuwakot	169.2/2024-09-28	161.0/1972-07-28
22	Baldyanggadi	Palpa	252.0/2024-09-28	90.4/2012-09-16
23	Phidim	Panchthar	172.0/2024-09-28	148.9/2021-10-20
24	Baunepati	Sindhupalchok	190.6/2024-09-28	137.5/1978-07-16
25	Sakhar at Tanahun	Tanahun	214.0/2024-09-28	173.2/2020-07-21
26	Khairini Tar	Tanahun	252.3/2024-09-28	241.9/1983-07-17

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

S.N.	Station Name	District	Record break maximum temperature (°C)/Date	Previous highest maximum temperature (°C)/Date
1	Baglung	Baglung	37.0/2024-09-25	36.4/1994-09-10
2	Bahrabise	Sindhupalchok	335.7/2024-09-23	35.5/2017-09-10
3	Bijuwar Tar	Pyuthan	36.7/2024-09-23	36.5/2017-09-17
4	Changu Narayan	Bhaktapur	33.5/2024-09-22	32.5/2023-09-16
5	Chapakot	Syangja	37.5/2024-09-23	36.5/2023-09-07
6	Dadeldhura	Dadeldhura	29.0/2024-09-24	28.5/2009-09-28
7	Dhankuta	Dhankuta	34.0/2024-09-23	33.2/2011-09-09
8	Dharan Bazar	Sunsari	37.5/2024-09-23	36.2/2020-09-20
9	Dhulikhel	Kavrepalanchok	31.5/2024-09-23	31.0/2023-09-03
10	Diktel	Khotang	29.7/2024-09-23	28.9/2019-09-01
11	Gaida (Kankai)	Jhapa	38.5/2024-09-23	38.4/2005-09-02
12	Ghorai	Dang	34.8/2024-09-23	34.6/2020-09-20
13	Gorkha (Birenowk)	Gorkha	35.2/2024-09-23	34.5/2023-09-16



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14	Gulariya	Bardiya	37.0/2024-09-08	36.7/2020-09-21
15	Hetauda N.F.I.	Makwanpur	37.1/2024-09-23	36.6/2000-09-11
16	Humde	Manang	22.3/2024-09-30	22.2/2023-09-01
17	Janakpur Airport	Dhanusha	40.6/2024-09-23	38.8/2023-09-18
18	Kanyam Tea Estate	Ilam	30.5/2024-09-21	28.8/2023-09-29
19	Kathmandu Airport	Kathmandu	32.6/2024-09-19	32.3/2012-09-08
20	Khadbari	Sankhuwasabha	34.0/2024-09-23	33.5/2023-09-17
21	Khanchikot	Arghakhanchi	30.0/2024-09-19	29.7/2017-09-17
22	Khokana	Lalitpur	32.8/2024-09-22	32.7/2006-09-14
23	Khumaltar	Lalitpur	33.4/2024-09-19	32.2/2023-09-06
24	Lahan	Siraha	39.5/2024-09-23	38.0/2023-09-18
25	Okhaldhunga	Okhaldhunga	30.6/2024-09-23	29.8/2018-09-09
26	Pakhribas	Dhankuta	28.6/2024-09-23	27.7/1996-09-17
27	Patan	Baitadi	32.6/2024-09-23	32.0/2020-09-20
28	Phidim	Panchther	35.5/2024-09-22	34.6/2009-09-27
29	Taplejung	Taplejung	29.6/2024-09-22	29.0/2017-09-17
30	Tarahara	Sunsari	39.3/2024-09-23	38.0/2017-09-17

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

S.N.	Station Name	District	Record break minimum temperature (°C)/Date	Previous lowest minimum temperature (°C)/Date
1	Bahrabise	Sindhupalchok	15.3/2024-09-28	16.0/2014-09-30
2	Bandipur	Tanahun	13.0/2024-09-28	14.5/2021-09-16
3	Charikot	Dolakha	12.9/2024-09-29	13.0/2014-09-26
4	Chatara	Sunsari	21.6/2024-09-29	21.9/2019-09-30
5	Chautara	Dolakha	12.0/2024-09-29	14.0/2019-09-19
6	Hardinath	Dhanusha	15.7/2024-09-26	17.0/2021-09-06
7	Lumbini	Rupandehi	21.0/2024-09-28	21.5/2014-09-30
8	Phattepur	Saptari	17.5/2024-09-05	18.0/1987-09-01

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

S.N.	Station Name	District	Record break daily precipitation (mm)/Date	Previous highest precipitation(mm)/Date
1	Baglung	Baglung	156.2/2024-09-28	116.4/2007-09-26
2	Bandipur	Tanahun	247.2/2024-09-28	141.3/2020-09-24
3	Bhairahawa Airport	Rupandehi	256.6/2024-09-28	227.0/1981-09-29
4	Bhaktapur	Bhaktapur	199.7/2024-09-28	82.0/2011-09-26
5	Bijuwar Tar	Pyuthan	151.3/2024-09-28	145.0/1980-09-06
6	Changu Narayan	Bhaktapur	165.2/2024-09-28	97.6/2021-09-06
7	Charikot	Dolakha	151.0/2024-09-04	117.0/2019-09-01



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8	Chautara	Dolakha	163.8/2024-09-28	126.0/2004-09-29
9	Daman	Makwanpur	410.0/2024-09-28	181.7/1974-09-02
10	Damauli	Tanahun	271.0/2024-09-28	265.0/1981-09-29
11	Dhankuta	Dhankuta	169.5/2024-09-28	145.9/1984-09-17
12	Dhulikhel	Kavrepalanchok	224.6/2024-09-28	121.5/1985-09-05
13	Diktel	Khotang	159.5/2024-09-28	112.5/2022-09-29
14	Dumkauli	Nawalparasi East	290.0/2024-09-28	253.0/2020-09-24
15	Ghorai	Dang	99.3/2024-09-28	93.6/2004-09-14
16	Godavari	Lalitpur	290.0/2024-09-28	168.5/1981-09-30
17	Gorkha (Birenchowk)	Gorkha	190.0/2024-09-28	116.0/1981-09-28
18	Hetauda N.F.I.	Makwanpur	302.5/2024-09-28	190.3/1986-09-15
19	Humde	Manang	84.2/2024-09-28	31.8/2020-09-24
20	Jiri	Dolakha	112.0/2024-09-28	102.6/2012-09-12
21	Jomsom	Mustang	72.6/2024-09-28	51.5/2008-09-20
22	Kakani	Nuwakot	169.2/2024-09-28	160.0/1973-09-18
23	Kathmandu Airport	Kathmandu	239.7/2024-09-28	121.5/2021-09-06
24	Khadbari	Sankhuwasabha	110.0/2024-09-28	80.4/2020-09-15
25	Khairini Tar	Tanahun	252.3/2024-09-28	180.2/2006-09-13
26	Khokana	Lalitpur	297.3/2024-09-28	96.6/2012-09-15
27	Khumaltar	Lalitpur	324.5/2024-09-28	86.4/2010-09-07
28	Manthali	Ramechhap	107.6/2024-09-28	90.0/1998-09-21
29	Nagarkot	Bhaktapur	168.8/2024-09-28	125.6/2012-09-12
30	Nuwakot	Nuwakot	154.0/2024-09-28	134.8/1994-09-03
31	Pakhribas	Dhankuta	172.7/2024-09-28	134.2/1984-09-17
32	Panchkhal	Kavrepalanchok	232.5/2024-09-28	79.5/2019-09-18
33	Phidim	Panchthar	172.0/2024-09-28	118.5/1984-09-11
34	Rampur	Chitwan	244.5/2024-09-28	222.7/1981-09-29
35	Salleri	Solukhumbu	120.0./2024-09-28	77.5/1952-09-24
36	Syangja	Syangja	225.5/2024-09-28	163.0/2008-09-20
37	Taulihawa	Kapilbastu	291.3/2024-09-28	180.4/1975-09-05
38	Terhathum	Terhathum	146.2/2024-09-28	80.6/1993-09-24



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Annex 1: Monthly precipitation and temperature data of September 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	451.5	167.5	15	7	6	3	156.2/28	32.6	2.0	37/25	20.5	-0.1	15.5/28	27	
Bahrabise	27.7887	85.9000	884	596.1	136.8	24	15	9	3	114.2/28	31.6	-	35.7/23	20.4	-	15.3/28	24	
Baitadi (Gothalapani)	29.5574	80.4132	1352	221.4	175.7	11	6	3	1	72.8/13	29.7	-	32.5/8	19.0	-	11.5/14	19	
Bajura (Martadi)	29.4570	81.4804	1598	249.8	117.1	17	7	5	1	57.8/2	27.6	-	30/20	19.0	-	16.8/15	2	
Bandipur	27.9418	84.4064	991	528.2	282.3	15	9	3	2	247.2/28	28.7	-	30.5/3	16.8	-	13/28	13	
Bhairahawa Airport	27.5068	83.4204	108	443.9	204.8	13	6	5	2	256.6/28	33.7	0.3	37.1/24	26.2	1.3	22.2/28	26	
Bhaktapur	27.6767	85.4240	1315	409.6	240.4	15	9	3	1	199.7/28	29.3	-	32.5/11	19.7	-	16/29	18	
Bijuwar Tar	28.1035	82.8520	835	300.8	199.1	13	6	3	1	151.3/28	32.5	-	36.7/23	22.2	-	19.1/28	22	
Biratnagar Airport	26.4840	87.2670	72	425.2	158.0	10	8	5	3	152.3/27	33.1	0.5	37.2/23	26.0	1.0	22.5/28	25	
Birganj	27.0232	84.8782	67	-	-	-	-	-	-	-	34.7	-	38.5/8	27.0	-	23.5/28	28	
Chainpur (East)	27.2921	87.3170	1277	248.1	126.6	21	3	3	1	90.2/28	29.7	2.5	32/27	21.0	3.3	19/29	21	
Chainpur (Bajhang)	29.5459	81.2011	1405	240.6	-	17	11	2	0	45.5/2	28.6	-	31.2/20	18.7	-	16.6/15	8	
Changu Narayan	27.7161	85.4268	1502	414.1	175.6	14	11	3	2	165.2/28	29.3	-	33.5/22	18.8	-	15.5/29	16	
Chapakot	27.8999	83.8459	617	625.8	262.4	11	5	5	4	292.2/28	33.5	1.7	37.5/23	22.8	0.5	17.5/25	26	
Charikot	27.6902	85.9802	2132	768.4	246.4	24	17	8	4	151/4	23.2	-	26.7/22	15.2	-	12.9/29	0	
Chatara	26.8204	87.1592	105	500.8	132.1	12	10	5	4	178.3/28	34.9	-	38.5/23	25.3	-	21.6/29	27	
Chaurjhari Tar	28.6540	82.2103	863	250.5	190.1	9	9	5	0	42/25	30.6	-0.2	33/3	-	-	-	21	
Chautara	27.7538	85.7321	1552	445.3	155.9	19	8	8	1	163.8/28	28.7	-	32.7/24	16.5	-	12/29	12	
Chisapani (Karnali)	28.6472	81.2854	201	492.7	136.9	11	6	4	3	173.2/13	33.4	1.7	37/24	25.1	0.8	22.2/28	27	
Dadeldhura	29.3014	80.5878	1879	374.1	204.2	14	8	5	2	167.7/13	25.7	1.4	29/24	17.1	1.4	15.7/18	0	
Dailekh	28.8381	81.7085	1394	217.9	92.6	14	5	4	1	51.8/26	27.7	-0.5	31.4/11	17.0	0.9	15.2/15	2	
Damak	26.6623	87.6988	119	509.6	147.6	10	9	5	4	134.5/27	34.2	-	39/23	23.6	-	20/28	26	
Daman	27.6044	85.0920	2265	599.6	-	17	6	2	2	410/28	22.9	-	27.2/22	14.3	-	12.6/28	0	
Damauli	27.9737	84.2651	347	596.0	308.2	11	6	4	4	271/28	34.5	-	37.5/23	24.7	-	20.5/29	27	
Darchula New	29.8429	80.5388	887	472.0	-	19	13	9	3	66.1/26	31.7	-	35/9	21.3	-	18.8/14	23	
Dhangadhi (Attariya)	28.8127	80.5600	184	459.7	152.8	11	6	6	3	157.6/13	33.6	0.9	37.4/24	25.8	1.6	23/28	26	
Dhankuta	26.9832	87.3460	1192	329.9	274.0	8	5	3	2	169.5/28	29.6	2.1	34/23	19.9	0.5	16.5/27	17	
Dharan Bazar	26.7922	87.2978	310	471.6	133.8	13	10	6	3	177.6/28	33.2	-	37.5/23	24.8	-	21/29	24	
Dhulikhel	27.6161	85.5655	1543	423.9	227.4	16	8	4	1	224.6/28	27.4	2.9	31.5/23	18.1	1.0	15/29	9	
Dhuncha	28.1053	85.3077	2005	423.6	-	21	13	8	0	39.6/6	23.9	-	27.1/23	16.0	-	12.3/28	0	
Dhunibesi	27.7229	85.1643	991	264.5	121.8	15	10	4	0	43.5/28	30.4	0.8	-	21.3	0.6	18/28	-	
Diktal	27.2125	86.7919	1612	464.3	254.7	16	10	6	2	159.5/28	25.6	-	29.7/23	18.8	-	16/28	0	
Dipayal (Doti)	29.2621	80.9369	563	308.3	216.2	11	9	5	1	112.6/13	33.4	0.0	-	23.4	1.2	22/13	-	
Dumkauli	27.6807	84.2285	183	690.4	186.7	11	9	7	4	290/28	34.0	0.7	39/15	25.4	0.8	21.5/28	27	
Dunai	28.9507	82.8960	2098	92.7	203.8	17	2	1	0	25.6/28	28.7	-	32.5/20	12.3	-	9.5/28	13	
Gaida (Kankai)	26.6569	87.8607	107	444.2	110.5	12	6	5	3	146/28	34.2	1.0	38.5/23	25.5	2.1	22/28	26	
Gaur	26.7671	85.3130	77	371.1	241.5	9	8	4	3	115.5/28	34.2	1.0	-	25.0	0.5	21.5/28	-	
Ghorai (Dang)	28.0372	82.4842	663	446.2	190.8	19	10	7	4	99.3/28	30.8	0.6	34.8/23	23.1	1.7	20.2/28	22	
Godavari	27.5929	85.3788	1527	507.7	246.5	19	10	3	1	290/28	26.5	1.2	29.5/21	16.2	-0.6	13.5/28	0	
Gorkha (Birenchowk)	27.9714	84.5894	724	462.1	256.7	16	9	5	2	190/28	30.9	0.8	35.2/23	22.8	1.9	18.4/28	21	
Gulariya	28.2128	81.3452	126	239.3	126.5	9	5	4	1	116.5/13	34.0	-	37/8	24.6	-	21/29	29	
Hardinath	26.8000	85.9833	93	333.7	-	8	6	6	2	85.4/29	33.2	-	36.6/23	26.0	-	15.7/26	27	
Hetauda N.F.I.	27.4202	85.0252	452	778.7	219.2	16	10	6	5	302.5/28	32.3	0.5	37.1/23	23.7	1.1	20.7/28	26	
Humde	28.6399	84.0881	3401	134.6	-	12	2	1	1	84.2/28	17.9	-	22.3/30	8.3	-	0.5/28	0	
Ilam Tea Estate	26.9096	87.9231	1208	419.4	215.9	15	10	5	3	123/28	26.8	0.8	30.8/23	20.7	2.2	16.5/28	4	
Jalesor	26.6522	85.8073	68	279.9	-	12	4	3	2	95/29	34.3	-	38.5/23	27.3	1.6	23/27	27	
Janakpur Airport	26.7097	85.9172	76	376.8	209.8	11	6	5	3	96.8/5	34.7	1.9	-	26.8	1.1	23/29	-	



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Station	Latitude	Longitude	Elevation	Precipitation							Temperature						
				Total (mm)	% of Normal	No. of Rainy Days				24hr Highest precipitation (mm)/Date	Maximum			Minimum			No. of days with maximum temp. > 30°C
						≥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	
Jiri	27.6304	86.2321	1877	525.7	150.4	24	16	7	1	112/28	25.1	1.3	27.9/22	15.4	0.1	12.2/29	0
Jomsom	28.7840	83.7298	2741	142.0	394.3	9	3	1	1	72.6/28	22.3	1.0	25/19	12.5	1.0	7.5/28	0
Jumla	29.2747	82.1796	2363	115.4	121.2	18	3	0	0	17.6/2	25.5	0.7	29.6/23	14.6	1.8	11.5/19	0
Jumla Airport	29.2740	82.1942	2384	131.6	-	19	5	0	0	14.1/13	24.9	-	28.2/23	13.1	-	10.2/19	0
Kakani	27.8113	85.2674	2002	521.3	129.7	17	11	6	3	169.2/28	22.9	0.5	-	16.3	0.9	13.2/28	-
Kanyam Tea Estate	26.8681	88.0783	1570	709.7	162.6	13	11	6	5	168/28	25.9	2.8	30.5/21	18.9	3.0	15.5/27	4
Karmaiya	27.1330	85.4841	139	357.3	108.5	11	8	4	2	135/28	34.3	1.1	38/23	26.0	0.8	23/28	27
Kathmandu Airport	27.7038	85.3562	1337	524.6	252.5	13	9	6	2	239.7/28	29.2	0.6	33.2/23	19.8	1.0	16.6/28	16
Khadbari	27.3911	87.2044	1064	352.5	-	22	9	6	1	110/28	29.8	-	34/23	21.4	-	18.3/27	20
Khairini Tar	28.0270	84.0866	515	445.9	162.2	14	7	3	2	252.3/28	32.4	0.3	36.2/23	23.4	0.5	19/27	25
Khajura (Nepalganj)	28.1137	81.5903	129	187.3	105.7	12	5	3	0	46.2/12	33.9	0.8	37/24	25.9	0.9	23/28	28
Khanchikot	27.9221	83.1298	1801	376.0	177.8	16	7	3	1	204.6/28	25.6	2.1	30/19	17.3	0.8	14.8/28	1
Khokana	27.6438	85.2967	1309	439.0	273.3	14	6	2	1	297.3/28	28.8	-	32.8/22	19.0	-	16.5/29	12
Khudi Bazar	28.2822	84.3564	838	585.2	119.2	16	13	9	4	102.5/28	30.5	0.1	34.2/23	19.7	-0.5	16/28	17
Khumaltar	27.6517	85.3257	1334	491.2	330.8	15	9	3	1	324.5/28	29.3	1.9	33.4/19	20.2	1.3	16.8/28	16
Kushma	28.2249	83.6769	900	422.4	115.7	15	9	5	2	139.2/28	30.1	-1.1	34/8	21.6	1.0	19/28	18
Lahan	26.7327	86.4776	110	320.5	159.6	10	7	4	3	80.5/27	34.8	-	39.5/23	26.0	-	22/29	27
Lete	28.6327	83.6092	2490	205.5	122.3	17	4	2	1	77.5/28	20.8	-	25/23	13.1	-	9.5/28	0
Libang Gaun	28.3062	82.6323	1314	291.4	126.8	16	9	5	1	77/28	29.4	-	32.5/20	19.8	-	17.5/28	18
Lumbini	27.4703	83.2761	95	365.6	236.3	10	6	4	1	217/28	33.5	-	37/24	26.2	-	21/28	26
Lumle	28.2965	83.8179	1738	640.8	70.9	16	12	9	4	113.3/28	24.7	1.4	29/23	17.6	1.1	15/28	0
Mahendra Nagar	28.9548	80.2305	197	544.2	176.8	10	5	5	1	137.5/14	33.9	0.8	38/16	25.3	1.2	22.6/27	27
Mangalsen	29.1361	81.2501	1310	217.5	122.5	11	6	3	2	74.2/13	26.9	-	30.6/7	20.0	-	18.8/18	1
Manma	29.1488	81.6135	1729	152.8	-	14	4	4	0	36.4/12	26.0	-	28.7/19	18.1	-	16.8/16	0
Manthali	27.3947	86.0612	497	302.4	252.6	13	7	4	2	107.6/28	34.0	-	38.3/23	22.8	-	19.4/29	29
Manusmara	26.9280	85.4451	90	338.3	173.2	9	6	5	3	94.8/28	32.9	-0.2	36.6/22	26.4	1.1	23.1/29	26
Musikot (Rukumkot)	28.6190	82.4625	1412	389.8	124.9	19	12	5	2	60.8/6	29.1	1.5	32.2/23	19.5	1.4	17/28	12
Nagarkot	27.6933	85.5209	2147	584.5	224.5	17	11	8	3	168.8/28	23.1	1.2	27.5/22	15.4	1.0	12/29	0
Nagma	29.2006	81.9106	2017	55.5	72.5	11	0	0	0	9.3/27	25.3	-	32/13	16.0	-	14/19	1
Nepalgunj Airport	28.1006	81.6682	165	223.2	119.8	9	6	4	2	57.5/13	33.6	0.3	37.2/24	26.0	1.4	-	28
Nepalgunj (Reg.Off.)	28.0520	81.6228	141	196.5	113.7	11	5	3	1	60/28	34.7	1.9	38.5/10	26.2	0.8	22.5/28	28
Nuwakot	27.9150	85.1646	966	491.5	192.3	21	11	7	3	154/28	29.9	-0.2	34.3/23	21.3	0.4	17.3/28	22
Okhaldhunga	27.3081	86.5042	1731	453.2	171.0	15	10	8	3	104.4/28	25.3	0.7	30.6/23	18.1	1.5	15.2/28	1
Oli Gaun (Patkani)	29.1559	81.2831	989	185.4	-	11	5	3	1	55.2/13	30.7	-	33.6/24	18.7	-	16.2/13	22
Pakhribas	27.0463	87.2925	1720	416.2	196.0	15	8	5	2	172.7/28	25.0	1.8	28.6/23	17.2	0.5	14.5/28	0
Panchkhal	27.6451	85.6209	857	384.8	269.5	11	6	3	1	232.5/28	31.9	0.6	35.6/23	22.0	0.9	19/28	25
Parasi	27.5193	83.6622	112	483.0	204.0	11	8	4	3	233/28	33.4	-	37/23	25.3	-	22/27	28
Parwanipur	27.0789	84.9327	87	448.8	226.0	11	8	6	1	191/28	33.0	0.1	37/23	25.5	0.5	22.5/28	27
Patan new	29.4664	80.5506	1299	303.7	-	11	9	5	1	78.8/13	29.5	-	32.6/23	19.6	-	18/14	17
Phattepur	26.7305	86.9348	101	567.0	194.6	13	11	6	4	145/28	33.4	-0.5	37.5/22	24.5	-0.1	17.5/5	26
Phidim (Panchther)	27.1437	87.7656	1157	363.2	217.6	13	8	5	2	172/28	30.9	2.0	35.5/22	20.9	1.1	17/29	22
Pokhara Airport	28.2002	83.9795	827	579.3	91.2	16	9	7	4	169.1/28	30.2	0.3	33.4/20	21.9	0.8	18.5/28	20
Pusma Camp	28.8755	81.2327	953	315.2	161.4	10	4	2	1	208/13	28.9	-	32/22	20.6	-	19/15	10
Rajbiraj	26.5407	86.7425	68	415.0	185.9	11	7	3	3	181.2/27	33.6	0.4	38.5/23	25.9	0.9	21.9/28	25
Rampur	27.6540	84.3508	189	507.9	154.0	8	7	5	3	244.5/28	33.5	0.3	37/22	24.5	0.2	20.5/28	25
Rara	29.5401	82.0818	2989	106.3	-	14	3	0	0	22.2/8	21.2	-	32/19	11.2	-	9.5/28	1
Salleri	27.5051	86.5862	2383	440.1	198.0	20	13	8	1	120/28	24.2	-	28.5/22	14.1	-	11.6/28	0
Salyan Bazar	28.3821	82.1423	1557	257.1	238.8	9	4	3	2	106.8/28	28.2	0.5	32.6/23	18.9	0.9	15.6/28	10
Semari	27.4682	83.7861	110	548.6	222.7	12	11	9	3	218/28	33.6	-0.1	37/8	26.0	2.7	22.5/28	27
Simara Airport	27.1642	84.9800	137	388.2	150.5	12	10	3	1	188.2/28	33.3	0.5	-	25.2	0.8	22/29	-



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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
Simikot	29.9715	81.8161	2993	177.9	-	15	7	1	0	25/13	20.4	-	23.2/19	10.8	-	8.5/30
Sindhuli Madhi	27.2281	85.905	556	579.7	-	15	11	7	6	122.3/28	32.7	-	37/22	22.2	-	18.5/29
Siraha	26.6561	86.2117	63	325.8	191.2	13	5	4	3	122.4/27	34.4	-	39/23	24.8	-	21/29
Surkhet Airport	28.5879	81.6352	683	380.3	226	15	9	5	3	86.8/13	32.5	1.74	35.6/23	22.8	1.08	19.9/28
Syangja	28.0988	83.8722	871	529.7	131.2	16	10	4	3	225.5/28	31.9	1.36	36.4/19	22.2	1.17	18.9/28
Tamghas	28.0636	83.2435	1547	409.8	168.7	11	9	5	3	164/28	26.4	0.55	30/23	18.1	0.88	15.5/28
Tansen	27.8637	83.5387	1183	536.1	296.7	13	8	4	4	253/28	29	-	34/23	20.6	2.31	17/28
Taplejung	27.3586	87.67	1744	407.1	159.3	21	10	5	1	107.9/28	26.2	1.59	29.6/22	17.8	0.97	14.1/29
Tarahara	26.6987	87.2786	120	398.6	143.4	12	9	4	2	138.7/28	34.1	1.9	39.3/23	25.4	1.23	21.5/29
Taulihawa	27.5711	83.0672	106	489.3	270.5	13	6	4	2	291.3/28	32.2	-0.5	36/24	25.6	0.93	21.6/29
Terhathum	27.123	87.5362	1525	376.7	274.2	10	9	4	2	146.2/28	27.1	0.58	32/22	18.4	1.27	15/27
Tikapur	28.5366	81.1150	149	414.4	172.7	10.0	6.0	4.0	3.0	155/13	-	-	-	21.2	-2.9	18.2/28
Udayapur Gadhi	26.9130	86.5397	469	364.0	125.3	17.0	8.0	5.0	3.0	91.5/27	31.5	1.0	35/22	23.6	0.3	20.2/29

Note:

- “mm” = millimeter; “temp” = temperature; “-” = Data Not Available.
- This summary is prepared based on the precipitation and temperature received at 112 meteorological stations during September, 2024. Out of 112 stations, 94 stations have normal precipitation data, 64 stations have normal maximum and 66 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.