



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

19th October 2023

Preliminary Precipitation and Temperature Summary
September, 2023

Highlights

Nepal experienced light/moderate thundershowers and increased temperature during September. Isolated heavy to very heavy rainfall occurred mainly in the eastern and central parts of the country in the fourth week of September.

Synoptic Sequences

The Monsoon Trough was along the foothills of the Himalayas and at western end during some days of first week. Cyclonic circulations and low pressure area formed around Uttar Pradesh and adjoining areas, Madhya Pradesh and adjoining areas, Jharkhand and adjoining area and around Bay of Bengal influenced the weather of Nepal during the month of September.

Precipitation

Isolated part of Gandaki Province recorded precipitation above 700 mm while northern part of Karnali Province and north-western part of Gandaki Province recorded precipitation less than 25 mm during September (Figure 1). Some parts of Sudurpaschim province and Lumbini Province and few parts of Bagmati Province, Gandaki Province and Karnali Province received normal to above normal rainfall while Madesh Province and Koshi Province rest of the country received below normal rainfall. (Figure 2).

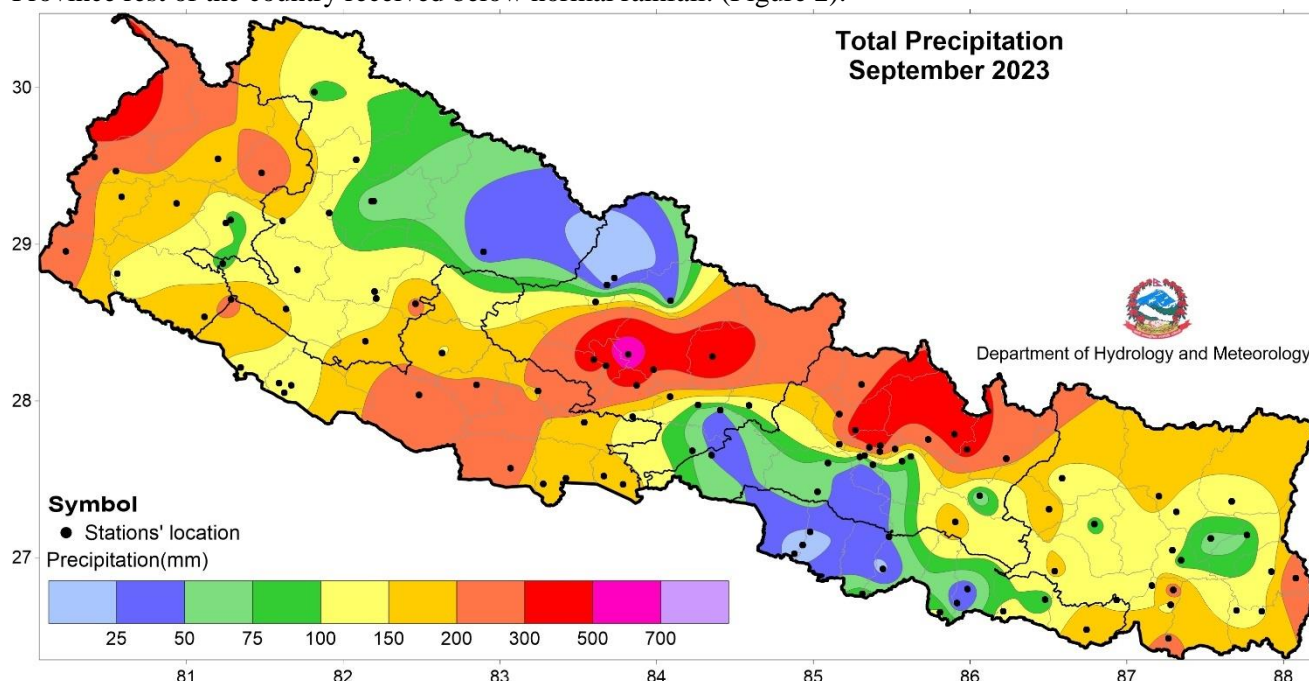


Figure 1: Total precipitation in September 2023.

Lumle station of Kaski district recorded the highest 24-hours precipitation of 119.5 mm on 22nd September 2023. The highest monthly total precipitation of 739.7 mm was also recorded at Lumle station of Kaski district while the lowest monthly total precipitation of 14.6 mm was recorded at Parwanipur station of Bara district. Similarly, the highest (195.8%) and the lowest (6.6%) percentage of monthly normal precipitation were recorded at Gothalpani station of Baitadi district and Birganj station of Parsa district respectively (Annex 1). Based on the



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

average of 96 stations shown in figure 2, Nepal received 66.9% of the normal precipitation of the month. In general, 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.

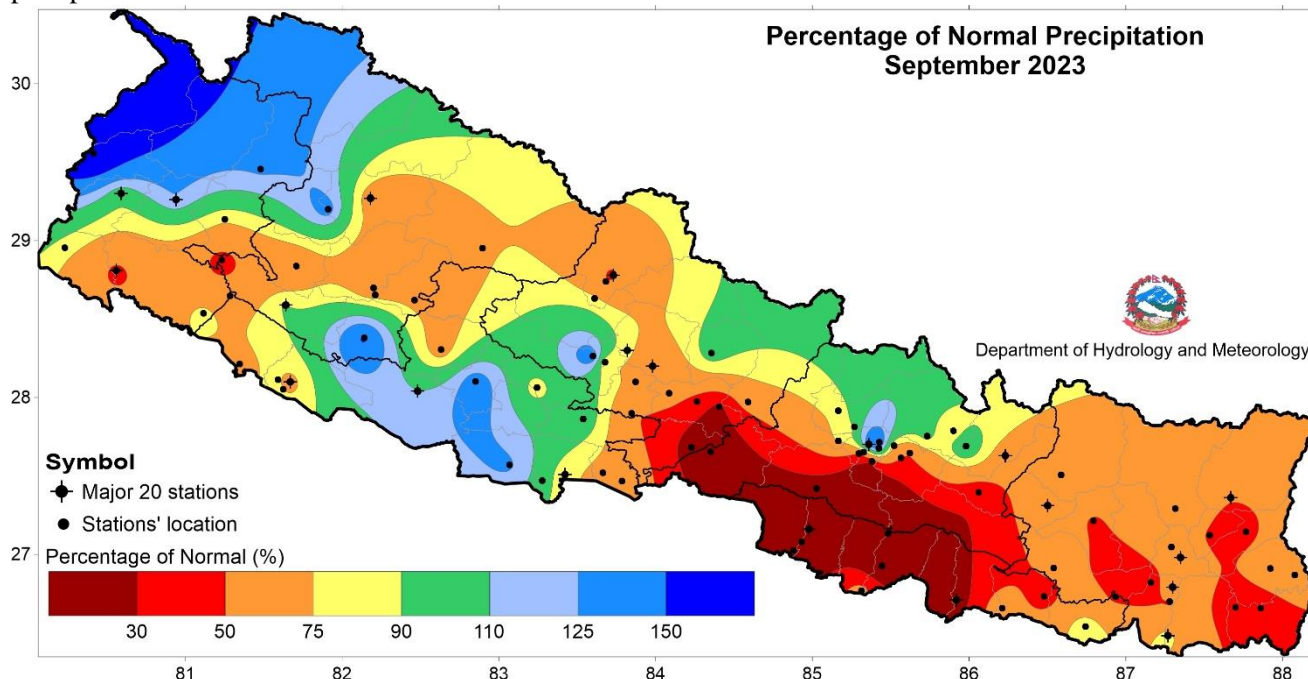


Figure 2: Percentage of normal precipitation in September 2023.

Figures 3 and 4, respectively, show the temporal distribution of monthly and monsoon seasonal cumulative average of daily precipitation at 20 major stations located as shown in figure 2. The timeseries of precipitation shows that precipitation was below normal during the month of September.

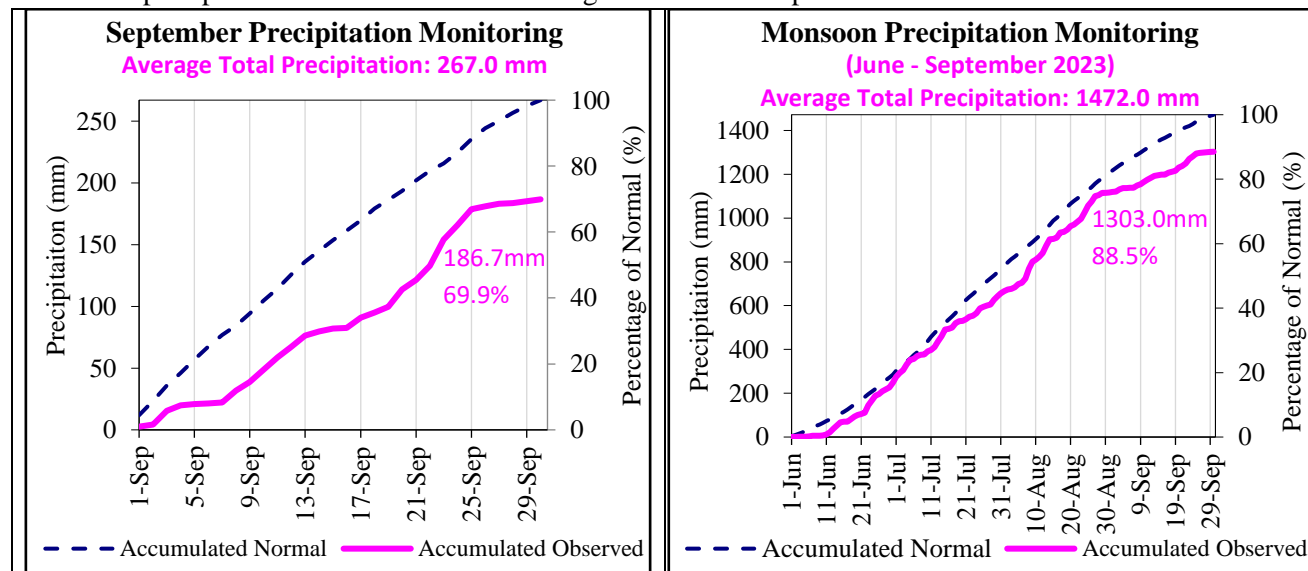


Figure 3: In the above graph, blue dotted line indicates the cumulative average of daily normal precipitation at 20 stations throughout September 2023 and pink solid line indicates the cumulative average of daily observed precipitation.

Figure 4: In the above graph, blue dotted line indicates the cumulate average of daily normal precipitation of 20 stations during monsoon season and pink solid line indicates the cumulative average of daily observed precipitation.



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

Maximum Temperature

Northern part of the country recorded monthly maximum temperature less than 9°C while southern plain recorded above 33°C during September (Figure 5). Most parts of the country recorded above normal maximum temperature while some parts of Karnali Province recorded near-normal to below normal maximum temperature (Figure 6).

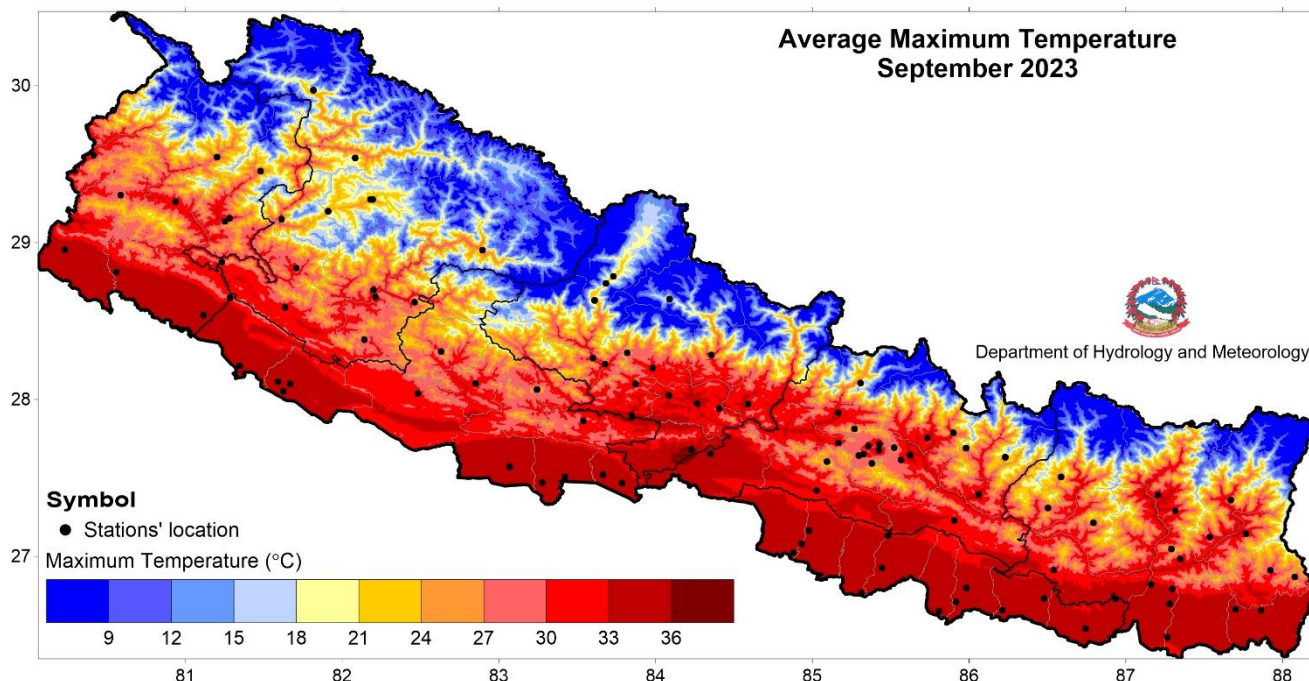


Figure 5: Maximum Temperature in September 2023.

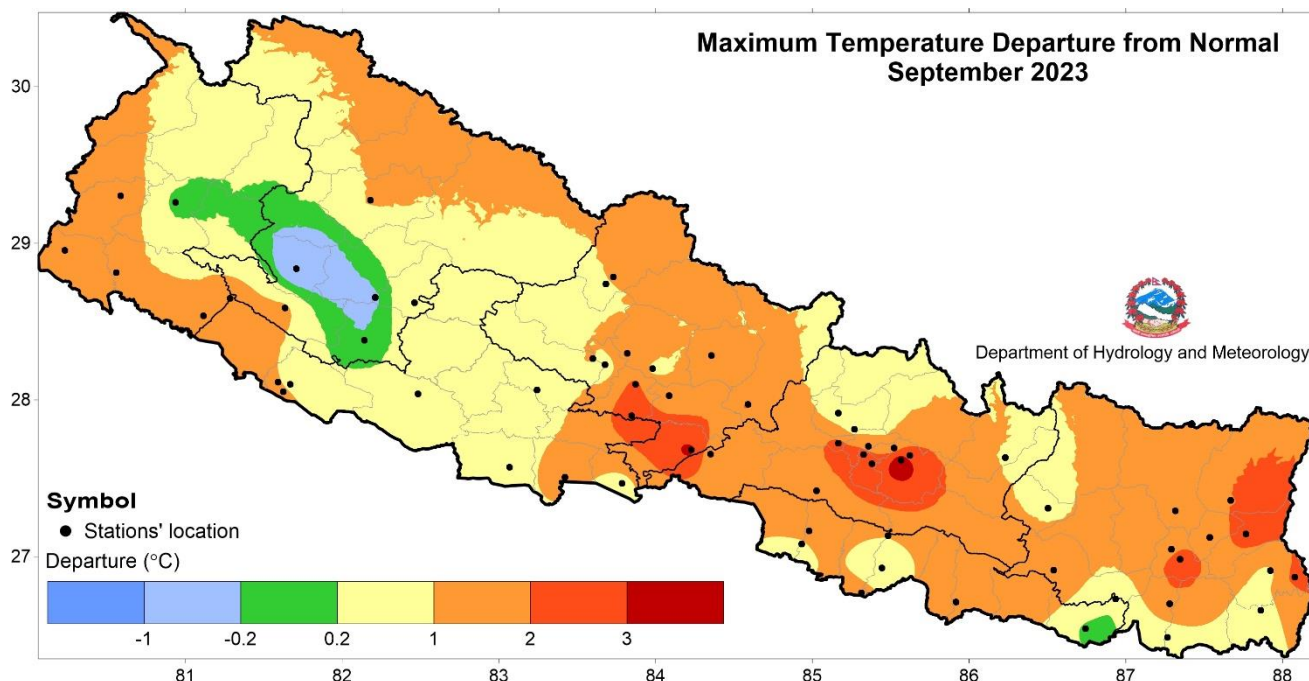


Figure 6: Departure from normal maximum temperature in September 2023.



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

Dumkauli station of Nawalparasi-East district and Humde station of Manang district recorded the highest and lowest monthly maximum temperature of 36.6°C and 18.3°C respectively. Similarly, the highest monthly anomaly of 3.9°C was recorded at Dhulikhel station of Kavrepalanchok district and the lowest of -1.0°C was recorded at Dailekh station of Dailekh district (Annex 1). The highest daily maximum temperature of 39.3°C was recorded at Chatara station of Sunsari district on 18th September while the lowest daily maximum temperature of 11.1°C was recorded at Simikot of Humla district on 10th September. Some of the stations broke the September's highest record of maximum temperature in this September.

Minimum Temperature

Northern part of the country recorded monthly minimum temperature less than 0°C while southern plain recorded more than 24°C during September (Figure 7). Most parts of the country recorded above normal minimum temperature while the northern part of Gandaki Province and Karnali Province, as well as a few places across the country recorded near-normal temperature (Figure 8).

Birgunj station of Parsa district and Humde station of Manang district recorded the highest and lowest monthly minimum temperature of 27.6°C and 8.7°C respectively. Similarly, the highest monthly anomaly of 3.5°C was recorded at Chainpur station of Sankhuwasava district and the lowest anomaly of -2.2°C was recorded at Jomsom station of Mustang district (Annex 1). The highest daily minimum temperature of 29.5°C was recorded at Damauli station of Tanahun district on 19th September while the lowest daily minimum temperature of 1.2°C was recorded at Rara station of Mugu district on 25th September. Some of the stations broke the September's lowest record of minimum temperature in this September.

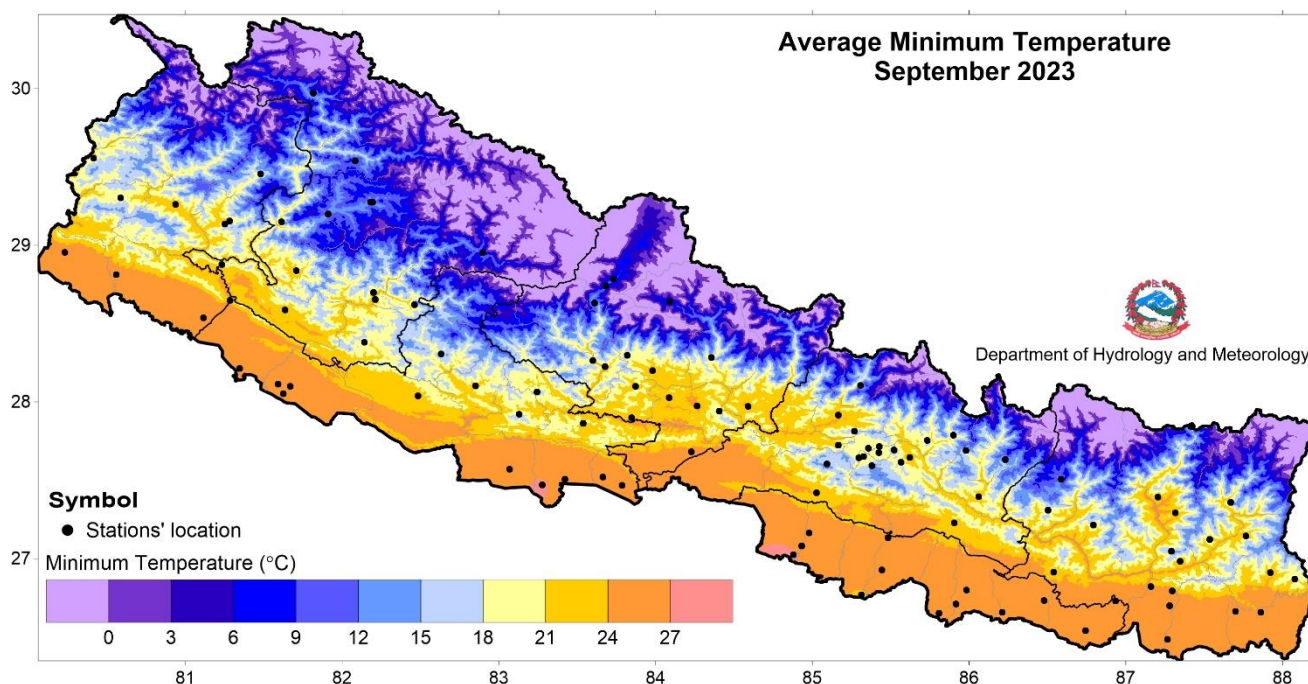


Figure 7: Minimum Temperature in September 2023.



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

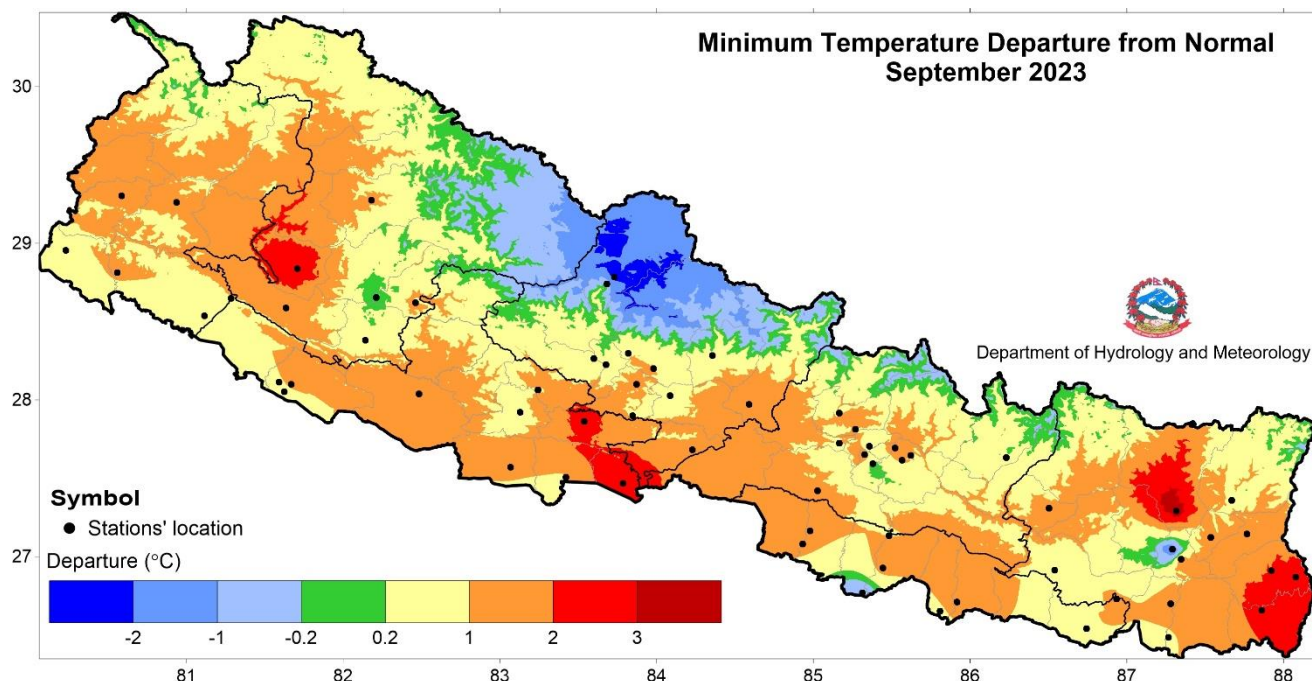


Figure 8: Departure from normal minimum temperature in September 2023.

Historical record break

In this September, several stations broke the previous record of September's extremes of temperature and precipitation (Table 1 to 3).

Table 1: List of stations breaking the September's highest daily maximum temperature in September 2023.

S.N.	Station Name	District	Record break maximum temperature (°C)/Date	Previous highest maximum temperature (°C)/Date
1	Bhaktapur	Bhaktapur	35.0/2023-09-13	32.8/2017-09-19
2	Changu Narayan	Bhaktapur	32.5/2023-09-16	31.1/2011-09-01
3	Chapakot	Syangja	36.5/2023-09-16	36.2/2005-09-02
4	Chatara	Sunsari	39.3/2023-09-18	38.0/2015-09-19
5	Darchua New	Darchula	36.0/2023-09-02	35.6/2017-09-17
6	Dhulikhel	Kavrepalanchok	31.0/2023-09-03	30.5/2020-09-20
7	Godavari	Lalitpur	30.5/2023-09-03	29.9/2014-09-05
8	Gorkha (Birenchowk)	Gorkha	34.5/2023-09-16	34.2/2013-09-25
9	Humde	Manang	22.2/2023-09-01	22.0/2020-09-01
10	Janakpur Airport	Dhanusha	38.8/2023-09-18	38.0/1972-09-21
11	Jumla	Jumla	29.6/2023-09-14	29.5/2015-09-10
12	Kanyam Tea Estate	Ilam	28.8/2023-09-29	28.7/1996-09-16
13	Khadbari	Sankhuwasabha	33.5/2023-09-17	32.0/2020-09-20
14	Khumaltar	Lalitpur	32.2/2023-09-06	30.6/1990-09-01
15	Lahan	Siraha	38.0/2023-09-18	37.5/1996-09-12
16	Lete	Mustang	27.3/2023-09-02	24.0/2013-09-18
17	Lumbini	Rupandehi	37.0/2023-09-06	36.5/2015-09-18
18	Lumle	Kaski	34.2/2023-09-06	28.5/2012-09-28
19	Salleri	Solukhumbu	29.0/2023-09-17	28.5/2012-09-28



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

Table 2: List of stations breaking September's lowest daily minimum temperature in September 2023.

S.N.	Station Name	District	Record break minimum temperature (°C)/Date	Previous lowest minimum temperature (°C)/Date
1	Darchula New	Darchula	16.2/2023-09-01	17.0/2022-09-26
2	Rara	Mugu	1.2/2023-09-25	2.1/2000-09-27

Table 3: Station breaking September's highest daily precipitation in September 2023.

S.N.	Station Name	District	Record break daily precipitation (mm)/Date	Previous highest precipitation(mm)/Date
1	Patan New	Baitadi	90.0/2023-09-11	69.8/2019-09-14



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 September 2023

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
Baglung	28.2636	83.6003	964	378.1	140.3	16	11	4	2	95/22	31.7	1.1	34.5/18	21.2	0.6	19.5/26
Bahrabise	27.7887	85.9000	884	331.7	76.1	22	11	4	1	59.2/3	32.3	-	34.5/16	21.2	-	18/30
Baitadi (Gothalapani)	29.5574	80.4132	1352	246.7	195.8	10	6	3	2	88.6/11	29.4	-	31.5/17	18.4	-	16.3/13
Bajura (Martadi)	29.4570	81.4804	1598	273.4	128.1	15	10	3	0	49.6/10	27.9	-	30.5/2	18.5	-	17/27
Bandipur	27.9418	84.4064	991	46.1	24.7	9	1	0	0	13.1/8	29.7	-	31/4	17.3	-	15.5/25
Bhairahawa Airport	27.5068	83.4204	108	172.1	79.4	10	5	2	1	61/20	34.7	1.3	36.8/6	25.8	0.9	22.6/25
Bhaktapur	27.6767	85.4240	1315	217.1	127.4	16	7	3	1	67.3/14	31.7	-	35/13	20.0	-	18/30
Bijuwara Tar	28.1035	82.8520	835	211.0	139.6	13	6	2	1	99.2/23	32.7	-	36.3/3	22.4	-	20.5/5
Biratnagar Airport	26.4840	87.2670	72	214.5	79.7	8	6	3	2	68.2/23	33.1	0.5	35.9/18	25.9	0.9	22.5/30
Birganj	27.0232	84.8782	67	14.8	6.6	4	0	0	0	8.5/26	35.1	-	37.5/14	27.6	-	25.4/24
Chainpur (East)	27.2921	87.3170	1277	124.2	63.4	12	4	1	0	37.2/3	29.2	2.0	30.5/5	21.2	3.5	19.2/24
Chainpur (Bajhang)	29.5459	81.2011	1405	155.2	-	16	5	1	1	52.5/10	28.4	-	30.6/15	-	-	-
Changu Narayan	27.7161	85.4268	1502	341.8	145.0	15	12	7	1	50.2/8	30.3	-	32.5/16	19.1	-	18/7
Chapakot	27.8999	83.8459	617	122.6	51.4	10	3	2	1	50.5/20	34.5	2.7	36.5/7	23.2	0.9	11.5/20
Charikot	27.6902	85.9802	2132	348.3	111.7	22	9	3	2	89.7/14	25.1	-	27/7	15.7	-	13.5/4
Chatara	26.8204	87.1592	105	132.3	34.9	13	5	1	0	31.8/23	35.6	-	39.3/18	25.5	-	23.3/23
Chaurjhari Tar	28.6540	82.2103	863	94.2	71.4	11	3	1	0	38.5/4	30.4	-0.4	34/2	21.1	-0.2	19/30
Chautara	27.7538	85.7321	1552	268.7	94.1	18	7	3	1	50.1/20	30.0	-	31.4/17	17.3	-	14.4/18
Chisapani (Karnali)	28.6472	81.2854	201	218.5	60.7	15	6	1	1	88.3/22	33.3	1.6	36/4	25.3	1.0	22.7/22
Dadeldhura	29.3014	80.5878	1879	176.0	96.1	9	5	2	2	64.5/11	26.1	1.8	28.4/2	17.1	1.4	15.3/17
Dailekh	28.8381	81.7085	1394	121.2	51.5	13	5	1	0	33.8/17	27.2	-1.0	30.2/2	19.0	2.9	17.2/28
Damak	26.6623	87.6988	119	132.5	38.4	8	6	2	0	32.8/23	34.0	-	37/6	24.3	-	21.5/24
Daman	27.6044	85.0920	2265	62.6	-	16	3	0	0	21.3/10	23.8	-	27.2/3	14.4	-	12.5/26
Damauli	27.9737	84.2651	347	84.2	43.5	10	2	1	0	37.6/10	34.9	-	36.5/4	25.1	-	24/3
Darchula New	29.8429	80.5388	887	414.6	-	20	13	5	2	99.2/21	32.0	-	36/2	20.4	-	6.2/16
Dhangadhi (Attariya)	28.8127	80.5600	184	137.7	45.8	9	6	1	0	28.5/21	34.0	1.3	36.8/5	25.3	1.1	22/25
Dhankuta	26.9832	87.3460	1192	69.0	57.3	7	2	1	0	30/23	30.4	2.9	33/15	20.5	1.1	18.5/24
Dharan Bazar	26.7922	87.2978	310	245.2	69.5	15	7	4	0	38.8/23	32.9	-	36/18	24.8	-	23/24
Dhulikhel	27.6161	85.5655	1543	94.1	50.5	15	2	1	0	44/21	28.4	3.9	31/3	18.1	1.0	16.5/18
Dhunge	28.1053	85.3077	2005	274.1	-	25	10	2	0	33.5/22	23.9	-	27.1/3	16.4	-	14.8/27
Dhunibesi	27.7229	85.1643	991	165.4	76.2	17	9	0	0	21.2/23	32.0	2.4	33.6/2	21.6	0.9	20.3/4
Diktel	27.2125	86.7919	1612	88.1	48.3	14	4	0	0	16.2/23	25.0	-	27.5/3	18.8	-	15.8/30
Dipayal (Doti)	29.2621	80.9369	563	175.4	123.0	7	4	3	1	70.6/17	33.4	0.0	-	23.6	1.4	21.1/11
Dumkauli	27.6807	84.2285	183	76.9	20.8	7	3	1	0	37.8/15	36.6	3.3	39/6	26.0	1.4	23.6/25
Dunai	28.9507	82.8960	2098	33.5	73.6	7	2	0	0	11/9	29.3	-	32.5/2	12.6	-	9.5/30
Gaida (Kankai)	26.6569	87.8607	107	138.6	34.5	9	6	3	0	30.2/24	33.8	0.6	37/5	25.6	2.2	23.5/24
Gaur	26.7671	85.3130	77	92.5	60.2	7	3	1	1	50/2	34.7	1.5	37.5/16	23.4	-1.1	22/26
Ghorai (Dang)	28.0372	82.4842	663	259.8	111.1	18	7	4	1	80.8/23	30.9	0.7	33.5/2	23.1	1.7	21.5/26
Godavari	27.5929	85.3788	1527	62.2	30.2	12	1	0	0	19.5/4	27.6	2.3	30.5/3	16.9	0.1	15/18
Gorkha (Birenchowk)	27.9714	84.5894	724	106.9	59.4	12	5	2	0	29.5/9	32.1	2.0	34.5/16	22.8	1.9	21/3
Gulariya	28.2128	81.3452	126	130.3	68.9	10	5	2	0	35.5/20	33.6	-	36/15	25.8	-	23.8/8
Hardinath	26.8000	85.9833	93	30.2	-	7	0	0	0	5.9/23	33.0	-	36.5/18	26.4	-	23.8/23
Hetauda N.F.I.	27.4202	85.0252	452	73.4	20.7	9	1	0	0	19.4/9	32.9	1.1	35.9/6	23.9	1.3	22.3/26
Humde	28.6399	84.0881	3401	34.8	-	8	1	0	0	11/9	18.3	-	22.2/1	8.7	-	5.6/6
Ilam Tea Estate	26.9096	87.9231	1208	128.2	66.0	15	5	1	0	29.8/23	26.7	0.7	29.4/5	20.5	2.0	18/24
Jajarkot	28.6990	82.2001	1236	124.9	51.0	15	5	2	0	29.5/17	29.5	-	32.5/1	19.8	-	17/6
Jalesor	26.6522	85.8073	68	108.1	-	7	4	2	0	48/2	34.1	-	37.5/18	26.5	0.8	23/18
Janakpur Airport	26.7097	85.9172	76	29.5	16.4	6	0	0	0	8.8/23	34.5	1.7	38.8/18	27.1	1.4	24.6/23
Jiri	27.6304	86.2321	1877	215.3	61.6	22	8	1	0	35/12	24.7	0.9	26.7/3	15.8	0.5	11.4/7
Jomsom	28.7840	83.7298	2741	17.2	47.9	6	0	0	0	3.6/10	22.7	1.4	25/14	9.3	-2.2	6.5/26



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			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	
Jumla	29.2747	82.1796	2363	58.9	61.9	10	2	0	0	11.3/11	25.9	1.1	29.6/14	14.1	1.3	9.4/29	0
Jumla Airport	29.2740	82.1942	2384	63.5	-	11	2	0	0	11.6/11	24.8	-	27.5/2	13.6	-	9/29	0
Kakani	27.8113	85.2674	2002	361.5	90.0	16	10	5	2	72.2/14	23.1	0.7	25.2/3	16.4	1.0	13.5/7	0
Kanyam Tea Estate	26.8681	88.0783	1570	278.4	63.8	13	8	4	2	59.5/21	25.4	2.3	28.8/29	18.5	2.6	16.2/25	0
Karmaiya	27.1330	85.4841	139	48.8	14.8	7	3	0	0	18.5/18	34.2	1.0	37/29	26.2	1.0	24.3/22	30
Kathmandu Airport	27.7038	85.3562	1337	269.8	129.8	13	6	4	1	63/8	30.2	1.6	32/6	19.3	0.5	17.7/7	19
Khadbari	27.3911	87.2044	1064	175.7	-	13	7	2	0	44/9	30.8	-	33.5/17	21.3	-	19/3	24
Khairini Tar	28.0270	84.0866	515	165.0	60.0	15	6	2	0	29.2/13	33.4	1.3	35.1/7	23.7	0.7	21.9/26	29
Khajura (Nepalganj)	28.1137	81.5903	129	139.6	78.8	8	6	1	0	35.5/20	34.4	1.3	36.5/7	25.8	0.8	23.5/8	28
Khanchikot	27.9221	83.1298	1801	-	-	-	-	-	-	-	-	-	-	16.9	0.4	-	-
Khokana	27.6438	85.2967	1309	79.6	49.6	11	4	0	0	21/30	29.6	-	31.6/29	19.2	-	17.2/28	15
Khudi Bazar	28.2822	84.3564	838	485.8	98.9	17	13	10	2	82.1/8	31.6	1.2	33.4/20	20.9	0.7	-	27
Khumaltar	27.6517	85.3257	1334	85.3	57.4	10	4	0	0	23.5/14	30.2	2.8	32.2/6	20.5	1.6	18.8/29	22
Kushma	28.2249	83.6769	900	284.0	77.8	17	7	5	1	102.6/22	31.4	0.2	34/14	21.2	0.6	19/30	23
Lahan	26.7327	86.4776	110	78.2	38.9	7	4	0	0	24.5/23	34.7	-	38/18	26.3	-	24/23	29
Lete	28.6327	83.6092	2490	133.4	79.4	15	5	1	0	33/9	23.2	-	27.3/2	13.8	-	11.6/30	0
Libang Gaun	28.3062	82.6323	1314	144.0	62.6	16	5	1	0	37.3/24	29.6	-	33/3	18.8	-	16/30	18
Lumbini	27.4703	83.2761	95	155.9	100.8	12	5	1	1	61.5/18	34.5	-	37/6	27.4	-	25/4	29
Lumle	28.2965	83.8179	1738	739.7	81.9	21	14	10	5	119.5/22	25.4	2.1	34.2/6	17.4	0.9	16/25	2
Mahendra Nagar	28.9548	80.2305	197	251.9	81.8	12	7	5	0	43.5/11	34.4	1.3	37.2/7	24.8	0.7	17.5/6	28
Mangalsen	29.1361	81.2501	1310	137.3	77.4	7	4	1	1	65.2/17	29.5	-	32/1	19.9	-	18/29	17
Manma	29.1488	81.6135	1729	148.2	-	14	5	2	0	37.4/10	25.3	-	28/6	17.8	-	15.5/26	0
Manthali	27.3947	86.0612	497	41.5	34.7	7	1	1	0	28.7/19	34.9	-	37.5/16	23.3	-	21.2/30	28
Manusmara	26.9280	85.4451	90	15.8	8.1	6	0	0	0	4.6/2	33.2	0.1	36.1/29	26.7	1.4	24.2/25	28
Musikot (Rukumkot)	28.6190	82.4625	1412	219.1	70.2	21	8	1	0	25.5/14	28.5	0.9	31.5/2	19.3	1.2	17.4/30	6
Nagarkot	27.6933	85.5209	2147	194.1	74.6	12	6	2	2	57.3/13	23.3	1.4	25.4/13	15.5	1.1	14/4	0
Nagma	29.2006	81.9106	2017	103.3	134.9	11	3	1	0	28.6/17	25.7	-	37/18	15.0	-	13/29	1
Nepalgunj Airport	28.1006	81.6682	165	124.2	66.6	12	5	1	0	26.6/23	33.7	0.4	36.2/14	25.8	1.2	23/5	28
Nepalgunj (Reg.Off.)	28.0520	81.6228	141	132.8	76.8	9	4	3	0	39/20	34.5	1.7	37/30	25.6	0.2	24/4	28
Nuwakot	27.9150	85.1646	966	205.3	80.3	12	7	4	0	40.8/25	30.6	0.5	32.7/4	21.7	0.8	19/7	22
Okhaldhunga	27.3081	86.5042	1731	181.1	68.4	17	6	2	0	37.3/4	25.3	0.7	29.4/3	17.9	1.3	15.2/24	0
Oli Gaun (Patkani)	29.1559	81.2831	989	62.7	-	9	2	0	0	10.6/11	30.3	-	32.3/5	19.6	-	17.5/13	21
Pakhribas	27.0463	87.2925	1720	141.5	66.6	9	6	2	0	28.8/24	24.6	1.4	27/3	14.7	-2.0	13/24	0
Panchkhal	27.6451	85.6209	857	72.7	50.9	9	3	0	0	18.2/12	33.9	2.6	35.2/3	22.1	1.0	19.8/30	30
Parasi	27.5193	83.6622	112	160.5	67.8	9	5	3	0	45/25	34.2	-	36.5/29	25.8	-	21/25	30
Parwanipur	27.0789	84.9327	87	14.6	7.4	3	0	0	0	8/10	33.7	0.8	36/29	26.3	1.3	24.4/25	30
Patan new	29.4664	80.5506	1299	188.3	-	10	3	2	1	90/11	-	-	-	-	-	-	-
Phattepur	26.7305	86.9348	101	134.2	46.0	8	4	3	0	39.3/24	34.1	0.2	36.7/29	25.7	1.1	23.8/25	28
Phidim (Panchther)	27.1437	87.7656	1157	73.3	43.9	7	4	0	0	18.2/23	31.6	2.7	34.2/7	21.3	1.5	19/24	24
Pokhara Airport	28.2002	83.9795	827	306.6	48.3	17	10	3	2	68.9/25	30.7	0.8	32.8/17	22.1	1.0	20.2/3	24
Pusma Camp	28.8755	81.2327	953	82.1	42.1	9	4	0	0	20.8/11	28.7	-	31.5/3	20.5	-	18.5/26	10
Rajbiraj	26.5407	86.7425	68	191.8	85.9	8	4	2	1	99.4/24	33.3	0.1	36.4/17	26.0	1.0	23/24	25
Rampur	27.6540	84.3508	189	49.0	14.9	13	0	0	0	6.9/3	34.6	1.4	37/29	-	-	-	30
Rara	29.5401	82.0818	2989	113.3	-	11	5	1	0	29/18	20.7	-	24/2	10.5	-	1.2/25	0
Salleri	27.5051	86.5862	2383	130.3	58.6	19	2	0	0	17.8/18	26.7	-	29/17	12.3	-	10/26	0
Salyan Bazar	28.3821	82.1423	1557	166.1	154.3	14	5	3	1	52.7/23	27.5	-0.2	31.5/7	18.7	0.7	16.9/24	2
Semari	27.4682	83.7861	110	187.7	76.2	12	6	3	1	53.5/2	34.3	0.6	-	26.2	2.9	20/25	-
Simara Airport	27.1642	84.9800	137	21.8	8.5	4	1	0	0	11.4/2	34.4	1.6	36.4/17	25.8	1.4	23.5/23	30
Simikot	29.9715	81.8161	2993	92.2	-	12	3	1	0	28.6/10	20.1	-	24.6/2	11.2	-	8.5/29	0
Sindhuli Madhi	27.2281	85.9050	556	207.4	-	17	6	2	1	53.9/13	32.2	-	34.3/29	22.9	-	21.5/26	27
Siraha	26.6561	86.2117	63	112.3	65.9	6	5	1	0	35.7/2	34.1	-	37.4/29	26.6	-	23.2/30	27
Surkhet Airport	28.5879	81.6352	683	153.3	91.1	11	4	1	1	52.5/23	32.1	1.3	35.3/2	23.0	1.3	20.7/28	26
Syangja	28.0988	83.8722	871	294.9	73.0	12	7	3	2	99.5/22	32.4	1.9	36/6	22.3	1.3	20.7/26	25



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			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	
Tamghas	28.0636	83.2435	1547	197.7	81.4	14	5	4	0	40.5/23	26.2	0.42	29/3	18.2	1	16/26	0
Tansen	27.8637	83.5387	1183	190.2	105.2	10	5	3	1	74.5/20	29.8	-	32.7/3	20.9	2.57	18.7/26	19
Taplejung	27.3586	87.67	1744	129.6	50.7	12	5	1	0	32.7/3	26.5	1.93	28.4/6	17.2	0.39	15.4/26	0
Tarahara	26.6987	87.2786	120	135.1	48.6	11	5	2	0	40.9/23	33.9	1.66	37.5/29	25.5	1.32	23.5/23	26
Taulihawa	27.5711	83.0672	106	231.7	128.1	12	5	3	1	108.2/4	33.5	0.77	35.3/6	25.8	1.08	22.4/26	30
Terhathum	27.123	87.5362	1525	66.32	48.3	8	3	0	0	19.7/23	27.6	1.08	30/16	18.2	1.07	16.5/24	1
Thakmarpha	28.7409	83.6816	2655	24.3	51.2	5	0	0	0	5.5/16	21.2	0.4	23/2	10.6	0.21	8/26	0
Tikapur	28.5366	81.115	149	192.5	80.3	11	5	1	1	99.1/21	33.9	1.15	36.3/1	24.5	0.41	19/11	28
Udayapur Gadhi	26.913	86.5397	469	161.7	55.7	16	6	0	0	23/23	32.5	2.03	35.2/17	23.9	0.6	21.5/26	25

Note:

- “mm” = millimeter; “hr” = hour; “temp” = temperature; “-” = Data Not Available.
- This summary is prepared based on the precipitation and temperature received at 112 meteorological stations during September, 2023. Out of 112 stations, 96 stations have normal precipitation data, 65 stations have normal maximum temperature data and 67 stations have normal minimum temperature data. Normal precipitation/temperature is the average of the monthly precipitation/temperature for period of 1991-2020.