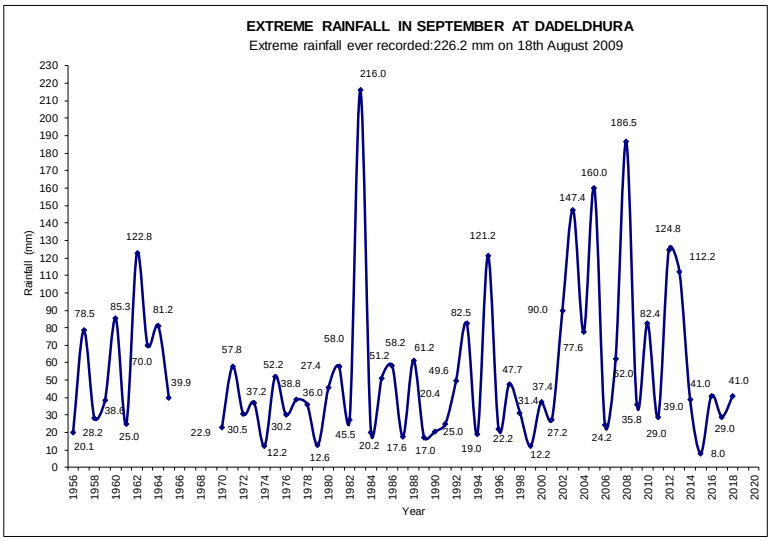
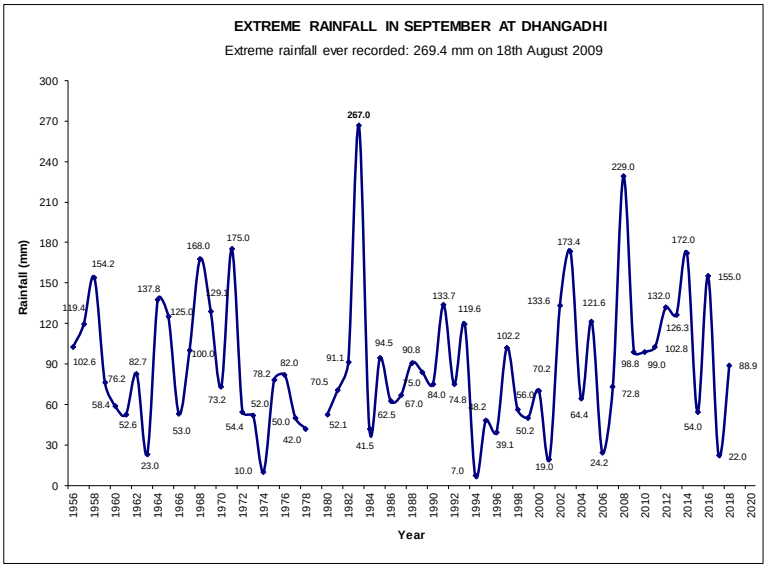
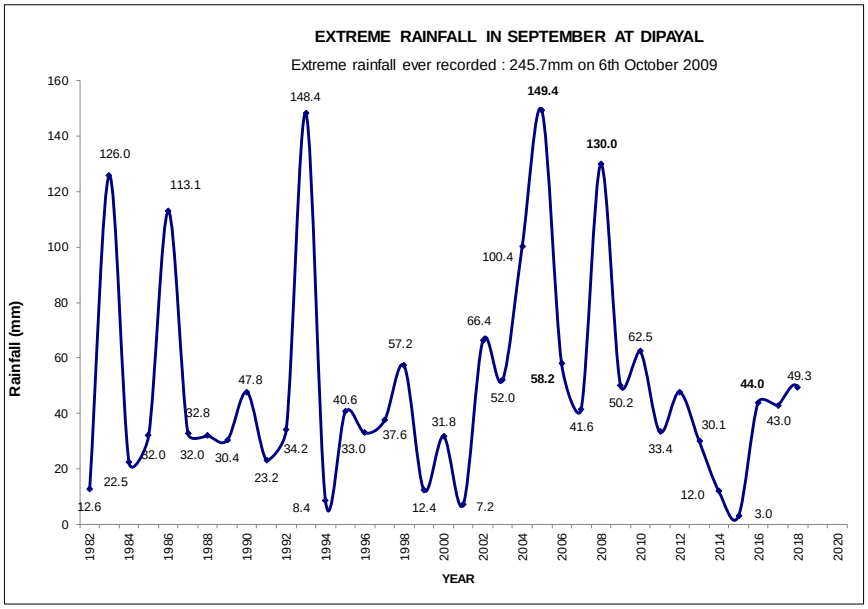
Government of Nepal
Ministry of Energy, Water Resources and Irrigation
Department of Hydrology and Meteorology
Nagpokhari, Kathmandu, Nepal.

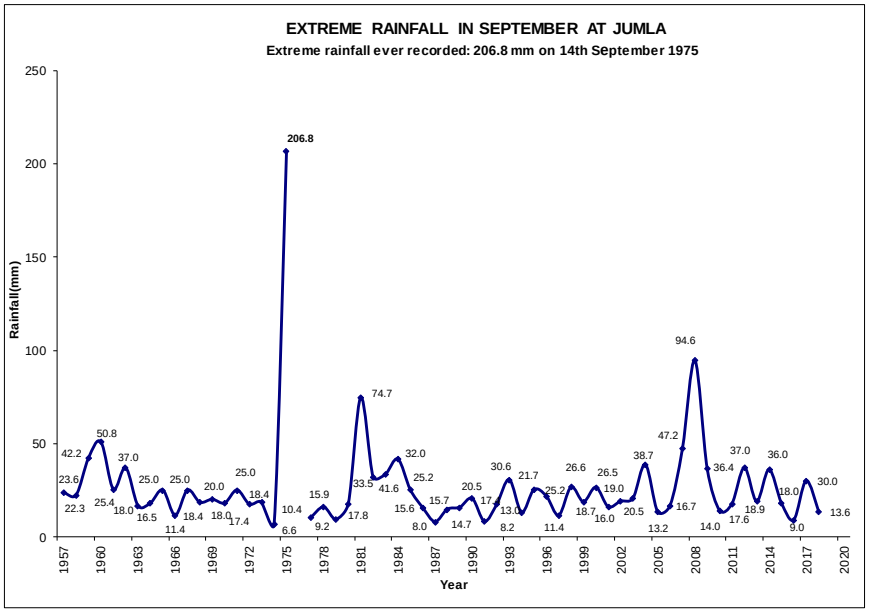
EXTREME RAINFALL OF MONTH SEPTEMBER AT SELECTED STATIONS

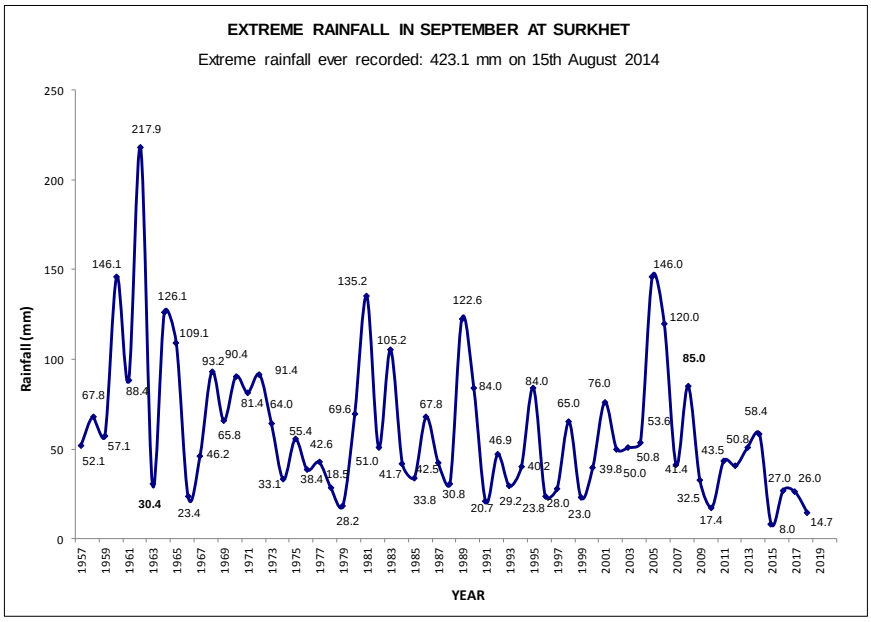
Note: September is the last month of monsoon. It is not the wettest month of monsoon. However, an example of rainfall extremes do occur during this month and has been observed in Dhangadhi with highest 24 hour rainfall of 267 mm on 11th September 1983. Among all the stations selected in this monitoring, Nepalgunj in the Mid-Western region of Nepal recorded the maximum 24 hour rainfall of 280.0 mm on 29th September 1981. Table 1. shows the temperature trend in the stations selected below.

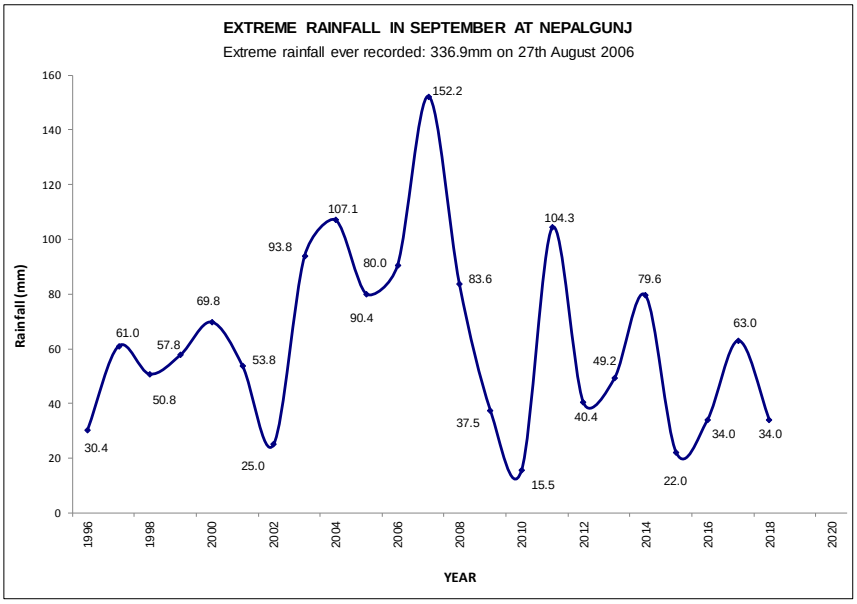


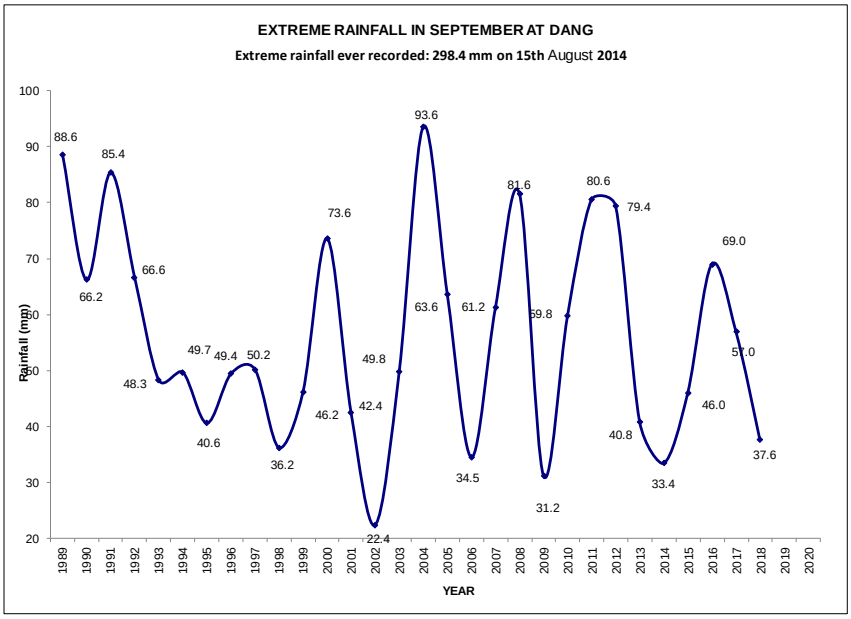


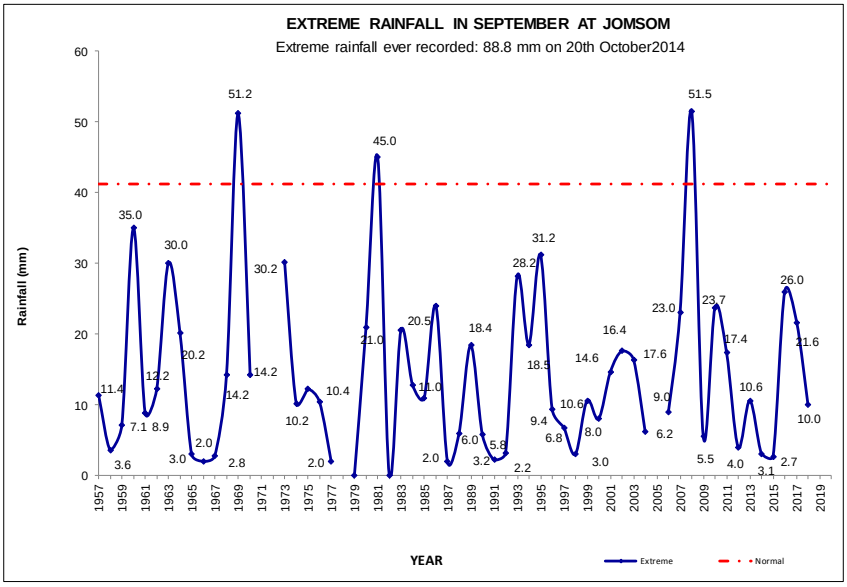

EXTREME RAINFALL IN SEPTEMBER AT DIPAYAL
Extreme rainfall ever recorded : 245.7mm on 6th October 2009
Rainfall (mm)
YEAR
12.6
126.0
22.5
32.0
113.1
32.0
32.8
30.4
47.8
23.2
34.2
148.4
8.4
33.0
40.6
37.6
57.2
12.4
31.8
7.2
66.4
52.0
100.4
149.4
58.2
41.6
130.0
50.2
62.5
33.4
30.1
12.0
3.0
44.0
43.0
49.3

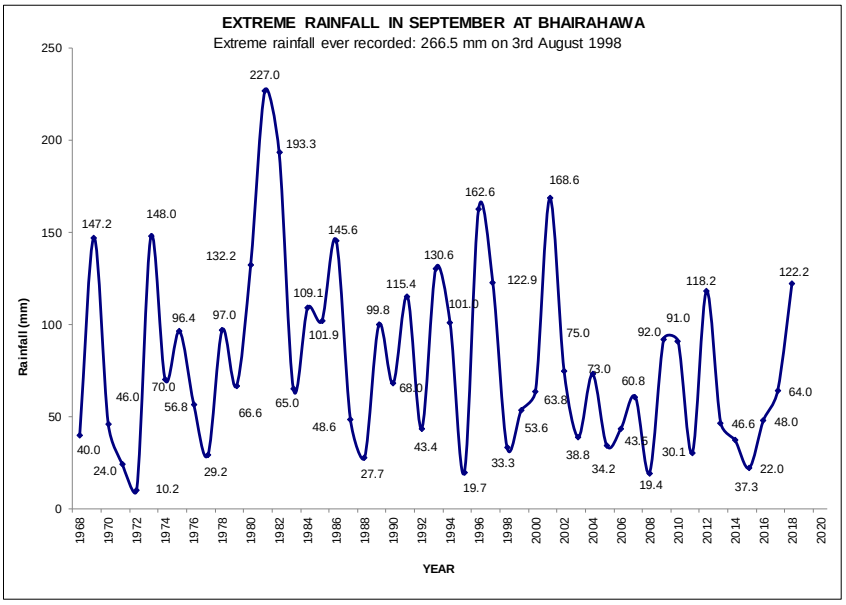

EXTREME RAINFALL IN SEPTEMBER AT JUMLA
Extreme rainfall ever recorded: 206.8 mm on 14th September 1975
Rainfall(mm)
Year
206.8
94.6
74.7

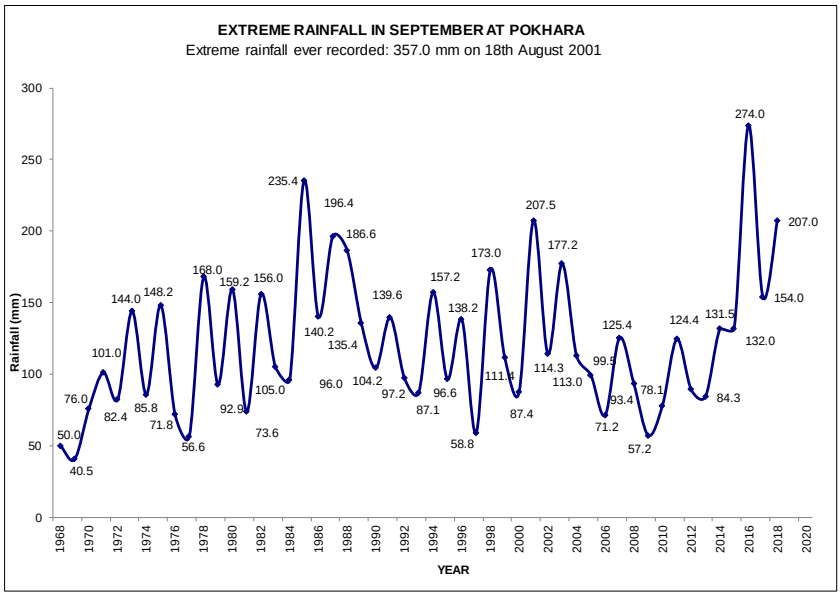

EXTREME RAINFALL IN SEPTEMBER AT SURKHET
Extreme rainfall ever recorded: 423.1 mm on 15th August 2014
Rainfall (mm)
YEAR
217.9
146.1
135.2
126.1
122.6
146.0
120.0
85.0

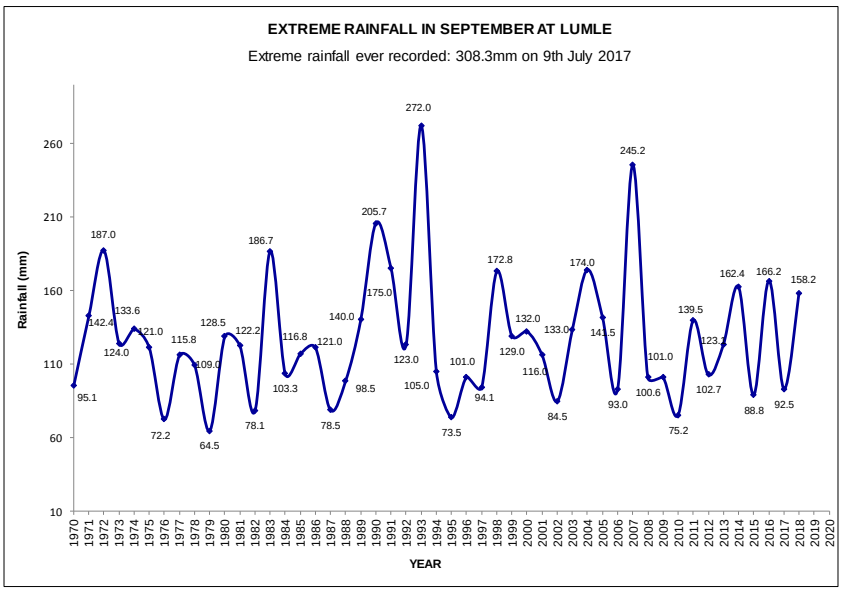

EXTREME RAINFALL IN SEPTEMBER AT NEPALGUNJ
Extreme rainfall ever recorded: 336.9mm on 27th August 2006
Rainfall (mm)
YEAR
30.4
61.0
50.8
57.8
69.8
53.8
25.0
93.8
107.1
90.4
80.0
152.2
83.6
37.5
15.5
104.3
40.4
49.2
79.6
22.0
34.0
63.0
34.0

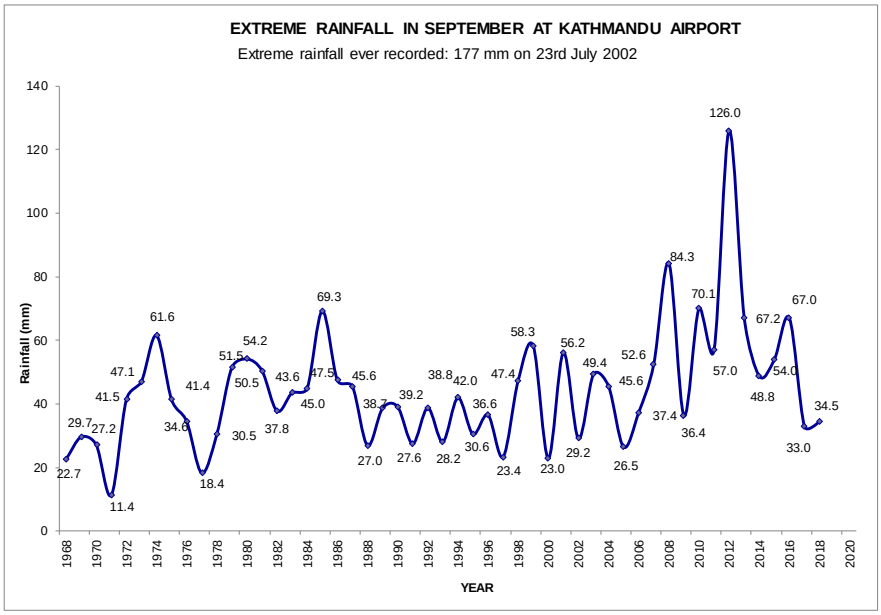

EXTREME RAINFALL IN SEPTEMBER AT DANG
Extreme rainfall ever recorded: 298.4 mm on 15th August 2014
Rainfall (mm)
YEAR
88.6
66.2
85.4
48.3
66.6
49.7
40.6
49.4
50.2
36.2
73.6
46.2
42.4
22.4
49.8
93.6
63.6
34.5
61.2
81.6
59.8
31.2
80.6
79.4
40.8
33.4
46.0
69.0
57.0
37.6

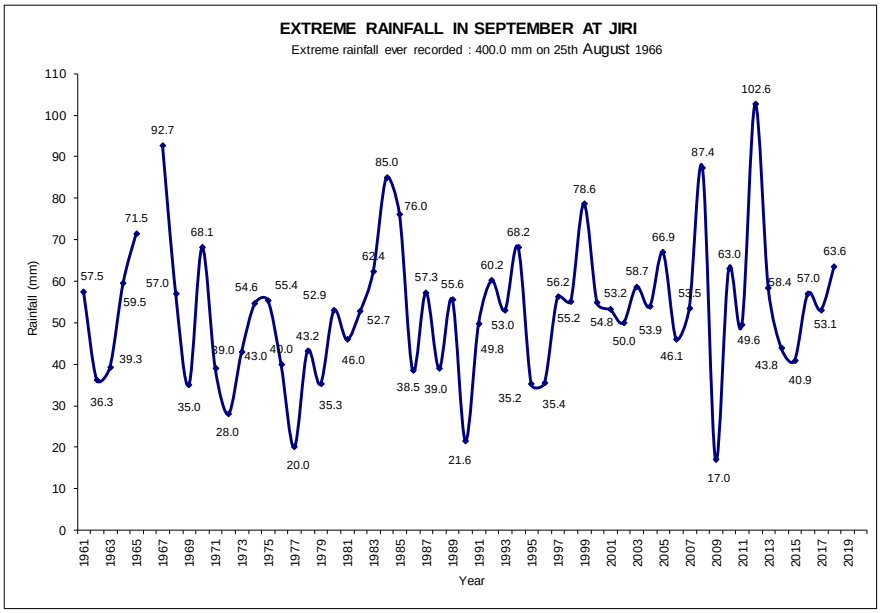

EXTREME RAINFALL IN SEPTEMBER AT JOMSOM
Extreme rainfall ever recorded: 88.8 mm on 20th October2014
Rainfall (mm)
YEAR
Extreme
Normal
11.4
7.1
35.0
8.9
12.2
30.0
3.0
20.2
2.0
2.8
51.2
14.2
14.2
30.2
10.2
10.4
2.0
21.0
45.0
20.5
11.0
2.0
6.0
18.4
3.2
5.8
2.2
28.2
31.2
18.5
9.4
6.8
10.6
3.0
8.0
14.6
16.4
9.0
17.6
6.2
23.0
51.5
5.5
23.7
17.4
4.0
10.6
3.1
2.7
26.0
21.6
10.0

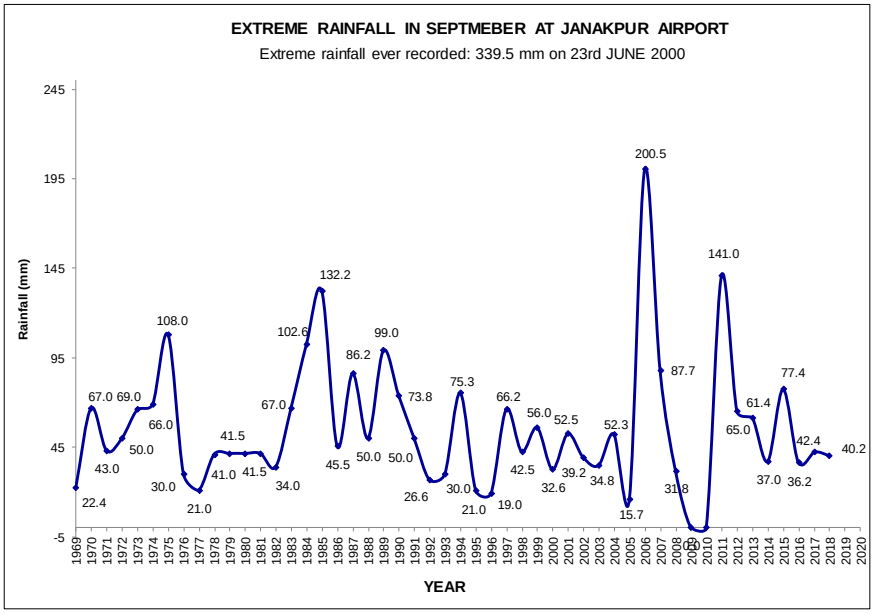

EXTREME RAINFALL IN SEPTEMBER AT BHAIRAHAWA
Extreme rainfall ever recorded: 266.5 mm on 3rd August 1998
Rainfall (mm)
YEAR

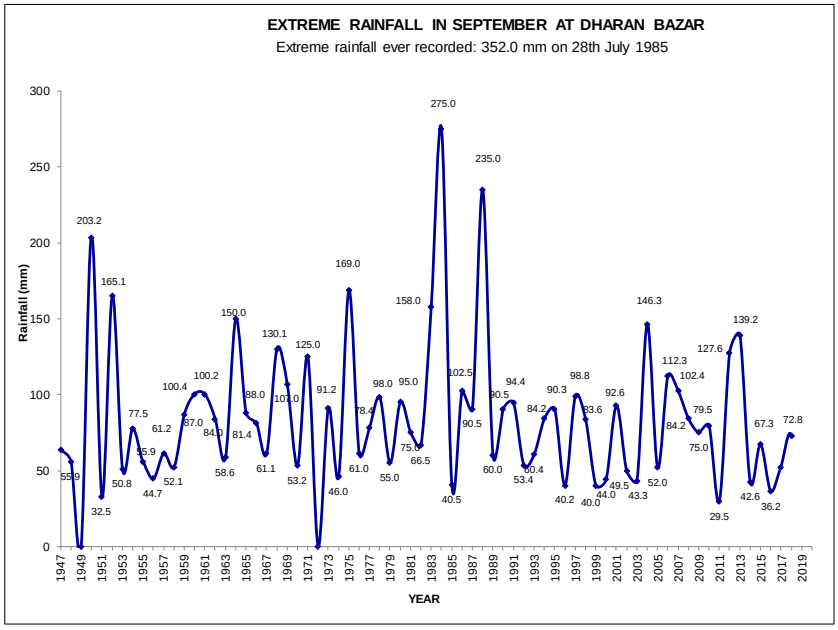

EXTREME RAINFALL IN SEPTEMBER AT POKHARA
Extreme rainfall ever recorded: 357.0 mm on 18th August 2001
Rainfall (mm)
YEAR

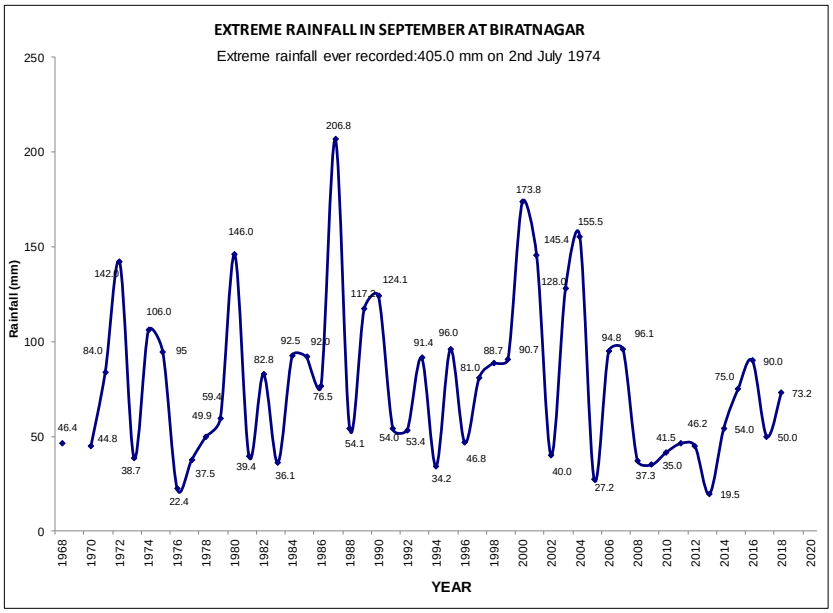

EXTREME RAINFALL IN SEPTEMBER AT LUMLE
Extreme rainfall ever recorded: 308.3mm on 9th July 2017
Rainfall (mm)
YEAR


EXTREME RAINFALL IN SEPTEMBER AT KATHMANDU AIRPORT
Extreme rainfall ever recorded: 177 mm on 23rd July 2002
Rainfall (mm)
YEAR


EXTREME RAINFALL IN SEPTEMBER AT JIRI
Extreme rainfall ever recorded : 400.0 mm on 25th August 1966
Rainfall (mm)
Year


EXTREME RAINFALL IN SEPTMEBER AT JANAKPUR AIRPORT
Extreme rainfall ever recorded: 339.5 mm on 23rd JUNE 2000
Rainfall (mm)
YEAR


EXTREME RAINFALL IN SEPTEMBER AT DHARAN BAZAR
Extreme rainfall ever recorded: 352.0 mm on 28th July 1985
Rainfall (mm)
YEAR


EXTREME RAINFALL IN SEPTEMBER AT BIRATNAGAR
Extreme rainfall ever recorded:405.0 mm on 2nd July 1974
Rainfall (mm)
YEAR

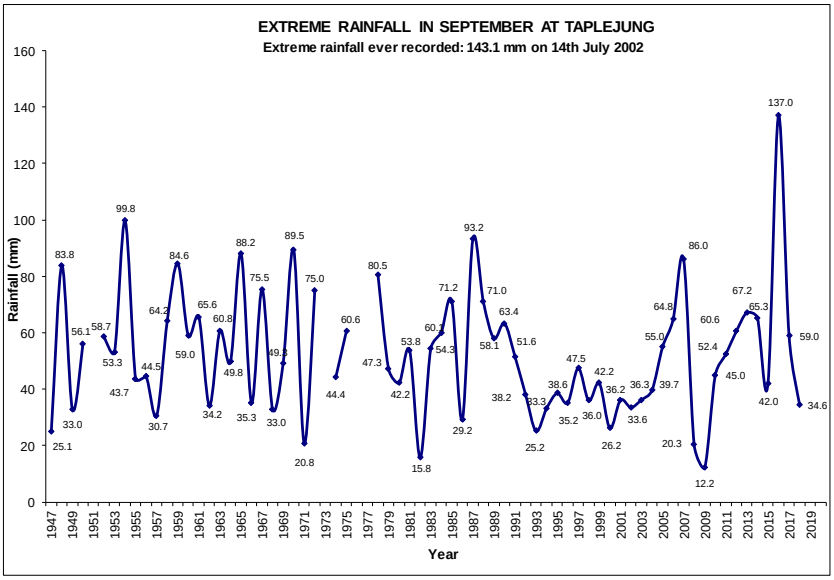

EXTREME RAINFALL IN SEPTEMBER AT TAPLEJUNG
Extreme rainfall ever recorded: 143.1 mm on 14th July 2002
Rainfall (mm)
Year

Table 1

Extreme Rainfall trends			
Stations/Month	September	Stations/Month	September
Dadeldhura	Rising	Kathmandu	Rising
Dipayal	Falling	Okhaldhunga	Rising
Dhangadhi	No trend	Taplejung	Falling
Surkhet	Falling	Dhankuta	No trend
Nepalgunj	Falling	Biratnagar	Falling
Jumla	No trend	Jomsom	No trend
Dang	Falling	Dharan	Falling
Pokhara	Rising	Lumle	No trend
Bhairahawa	Falling	Janakpur	No trend
Simara	No trend	Jiri	Rising

Fig 1: Monthly rainfall (%)

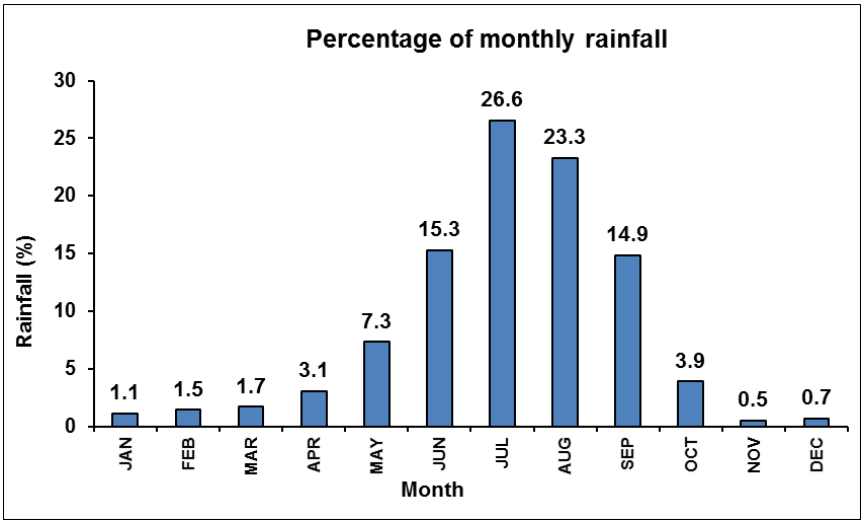


Fig 2: Map of Nepal showing the synoptic stations