# Annex 1:

## Agromet Network
## Agromet Project Situation

### A: Weather Stations
### B: Crop Monitoring

**MAIL/USGS Agromet Project: Status as of September 2013**

1) **MAIL**/USGS Agromet Project was established in Afghanistan 1st January 2004 to install a network of Agrometeorological stations and develop a complete Agromet services. To date, the Agromet Project has installed and is managing 107 sites. All 107 sites record rainfall and snowfall. In addition to rainfall and snowfall, 94 out of 102 report on crop (wheat, maize, rice and barley), pasture and grazing conditions twice a month. The information collected includes all adverse weather conditions, shortage of agricultural inputs, weeds, pests, diseases etc. Other recorded information includes crop phonological stages( land preparation), planting and harvesting dates, expected and actual The Agromet project receive data from 18 classic station from AMA which consist 8 meteorological parameter and publish on its monthly bulletins. providing observations three times a day.

2) The Agromet project has developed an Agrometeorological database and information system. Information in the data base includes data from past 10 years (taken from 107 stations), historical data from 1942 to 1993 (depending on sites) with up to 29 weather parameters. The data base heart was built using the "Agrometshell" which includes around 20 Agrometeorological applications fully integrated into the database.

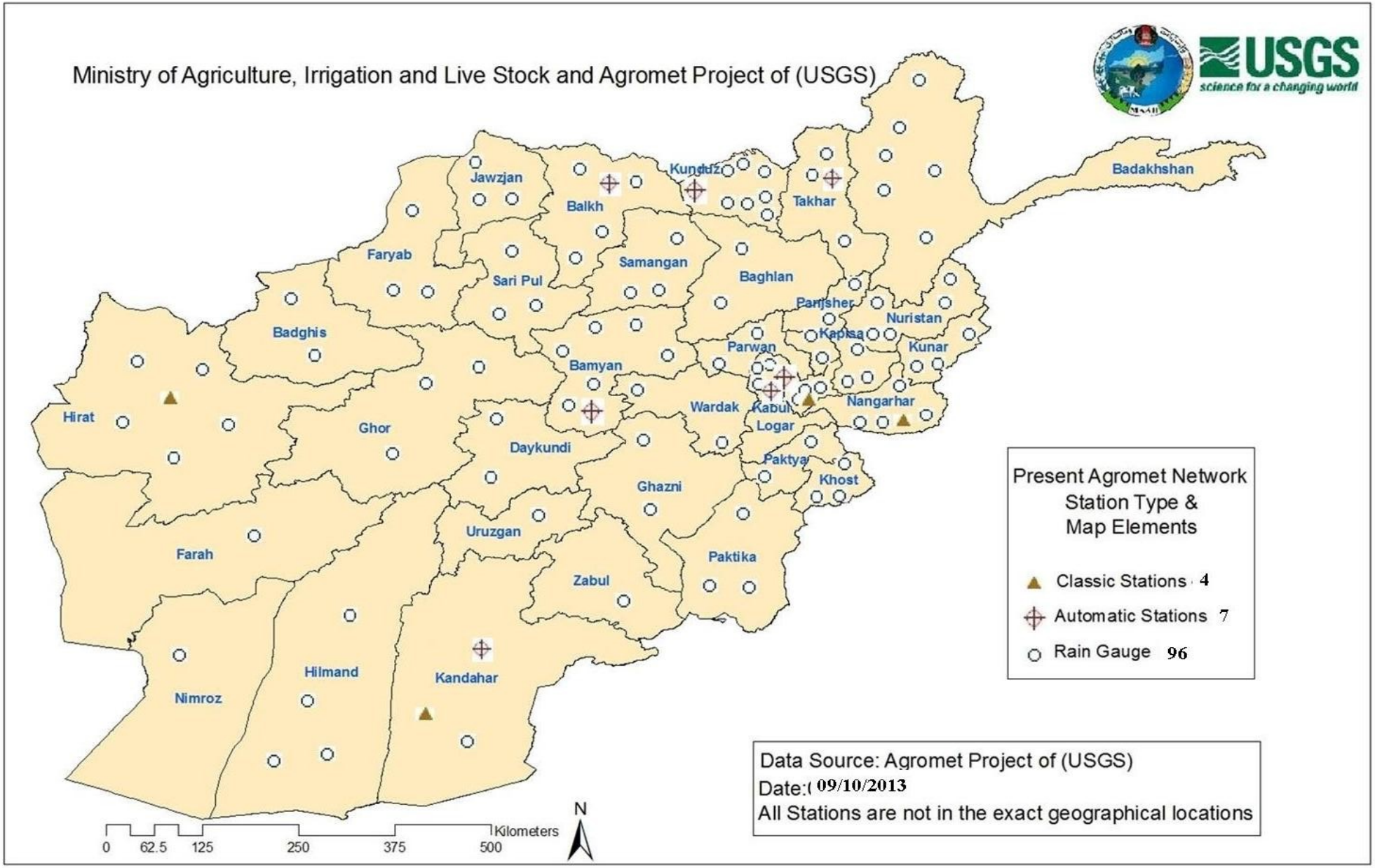
3) Agromet Project has trained 260 observers, including people from different Government and Non Government Organizations, although some of the ministry national Agromet counterpart had been sent to abroad for getting knowledge in the Agromet field.

4) Agromet Project has some 107 Observers paid through incentives, Four national MAIL/AMA counterpart and 5 USGS Agro meteorological staff.

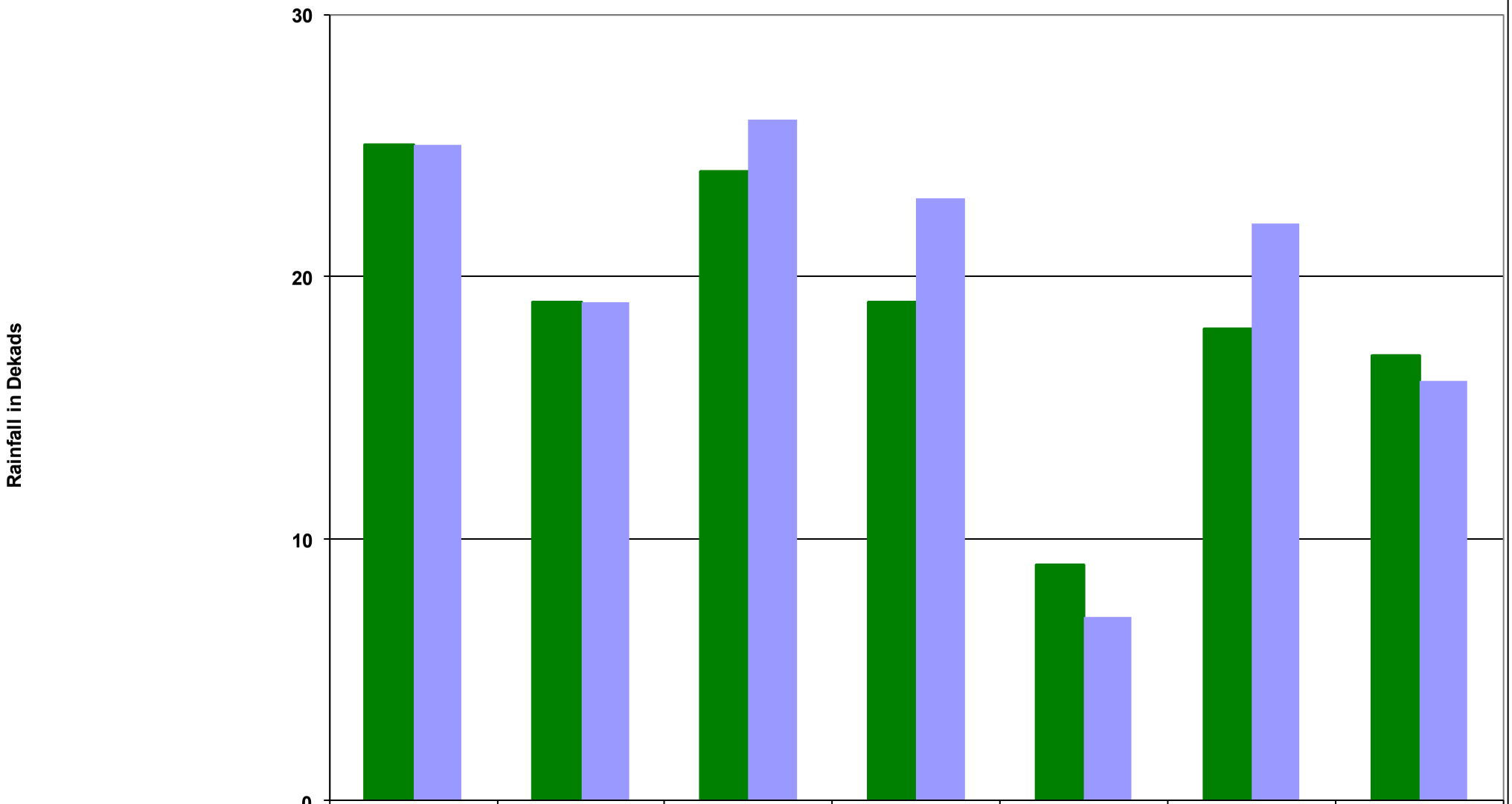
5) Agromet Project currently prepares weekly reports, monthly Agromet bulletins and Seasonal Bulletins based on Ground and Satellites observation., water balance model and rainfall probabilities and so on, with updated Agrometeorological situation analysis and graphs, maps etc. the bulletin is transmitted to key players in English and dari, the Agromet project has also produced papers for technical meeting, press releases and special newsflashes throughout the agricultural year.

6) The Agromet project is working closely with the united States Geological Survey (USGS), regular data and analysis are also transmitted regularly to over 1150 local and international users around the country and outside the country as well.

7) In general, the Agromet Project provides timely information and data related to the impact of climate on agriculture and food security to the decision makers in the government and to the aid community.


Ministry of Agriculture, Irrigation and Live Stock and Agromet Project of (USGS)
USGS
science for a changing world
Badakhshan
Jawzjan
Kunduz
Balkh
Takhar
Faryab
Samangan
Sari Pul
Baghlan
Panjsher
Nuristan
Badghis
Kapisa
Kunar
Parwan
Bamyan
Hirat
Wardak
Kabul
Nangarhar
Logar
Ghor
Daykundi
Paktya
Khost
Ghazni
Uruzgan
Farah
Paktika
Zabul
Hilmand
Kandahar
Nimroz
Present Agromet Network
Station Type &
Map Elements
Classic Stations 4
Automatic Stations 7
Rain Gauge 96
Data Source: Agromet Project of (USGS)
Date:( 09/10/2013
All Stations are not in the exact geographical locations
0 62.5 125 250 375 500 Kilometers
N

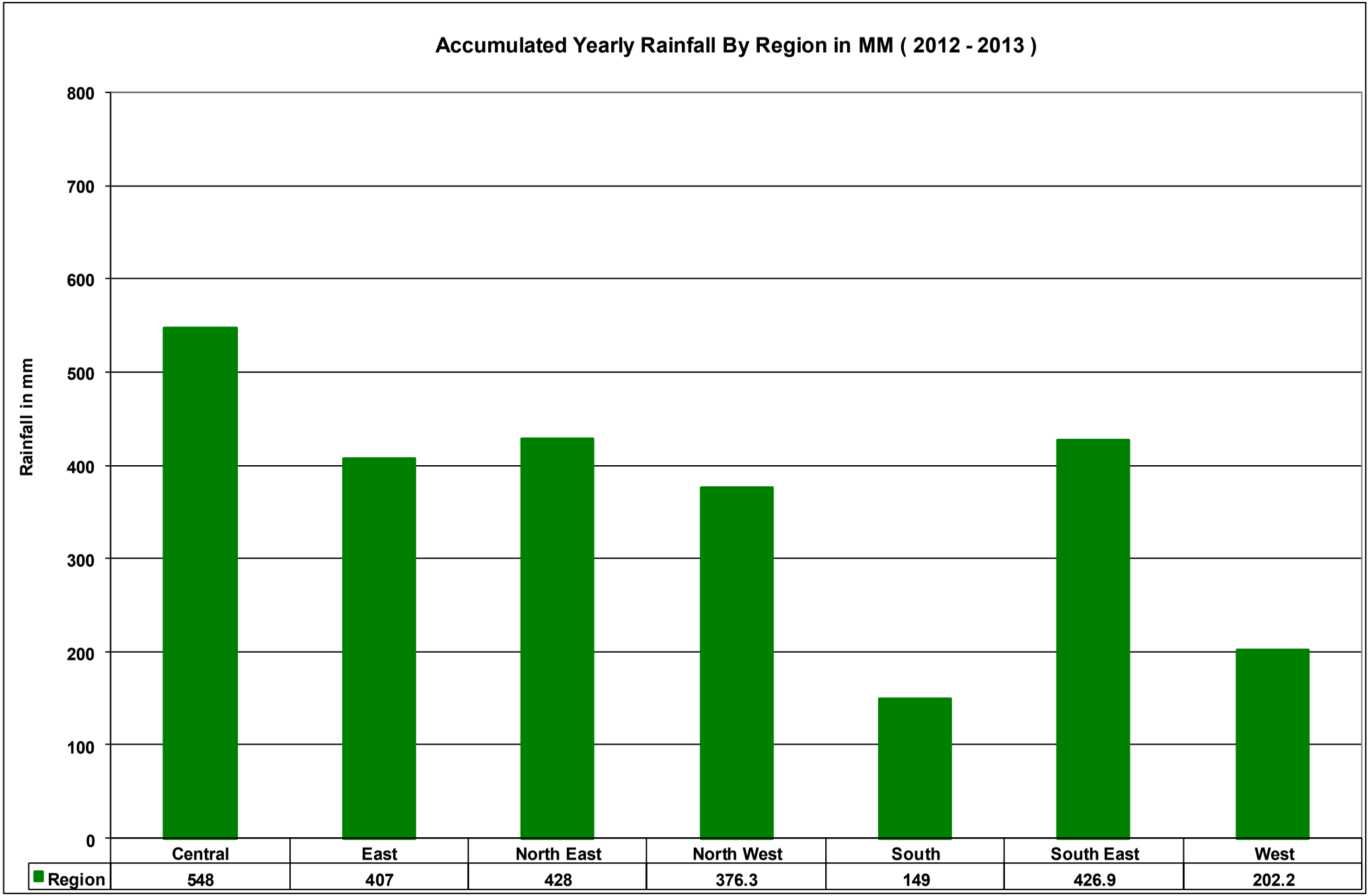
## Length of Rainfall Season in Dekads by Region ( 2012 - 2013 ) Compared to ( 2011 - 2012)

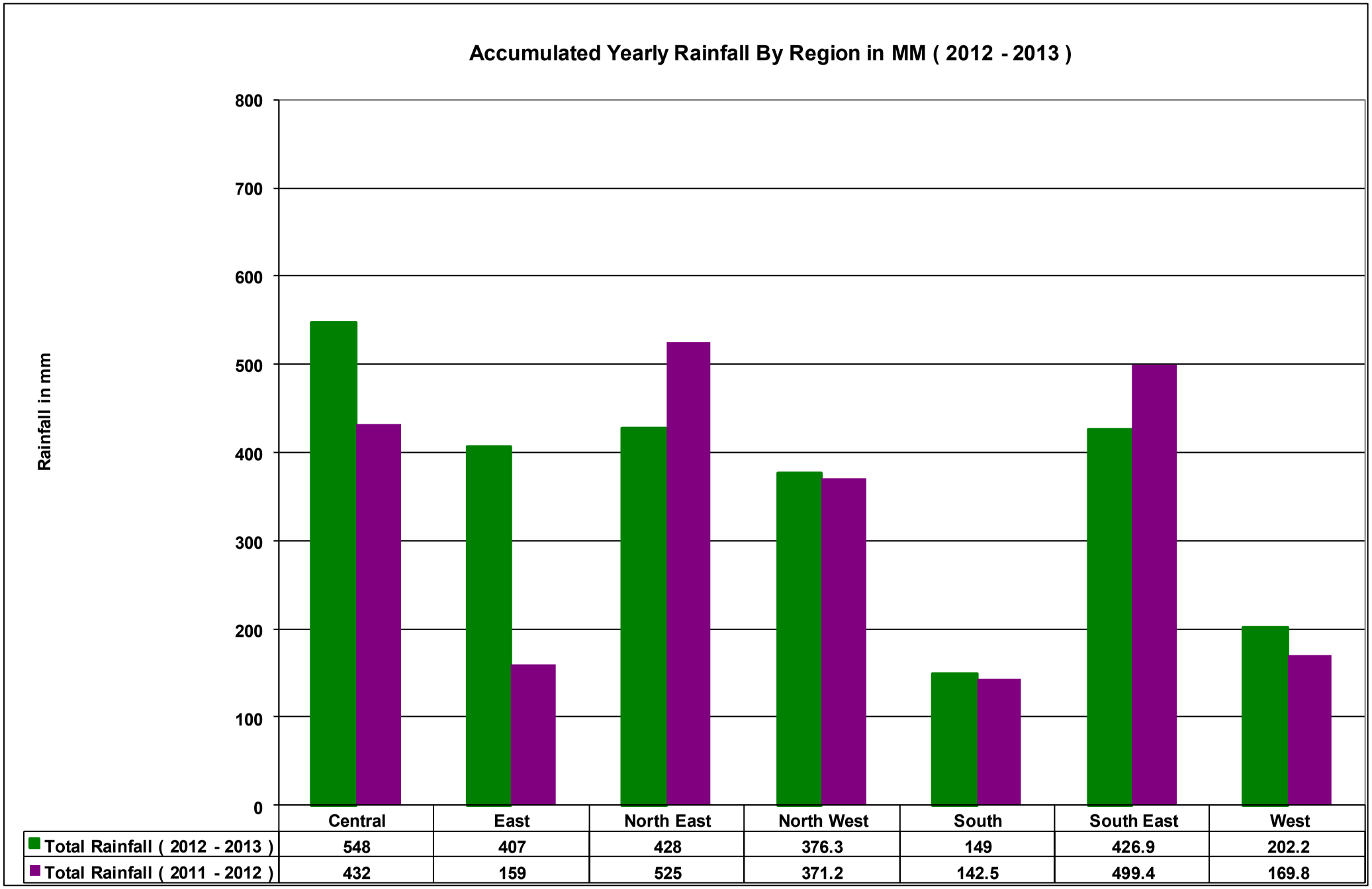


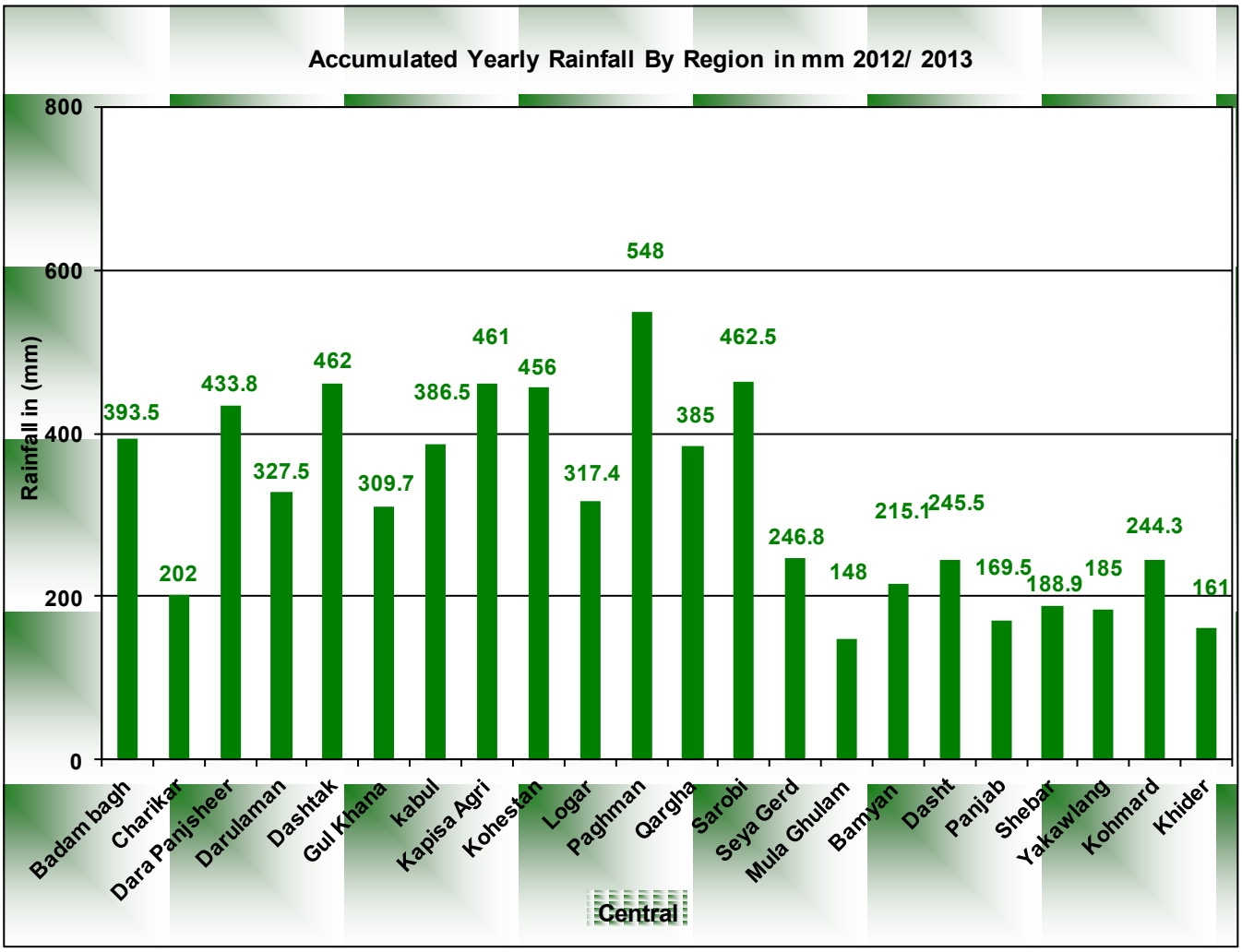

| | Central | East | North East | North West | South | South East | West |
|---|---|---|---|---|---|---|---|
| Length in Dekads( 2012 - 2013 ) | 25 | 19 | 24 | 19 | 9 | 18 | 17 |
| Length in Dekads( 2011 - 2012 ) | 25 | 19 | 26 | 23 | 7 | 22 | 16 |

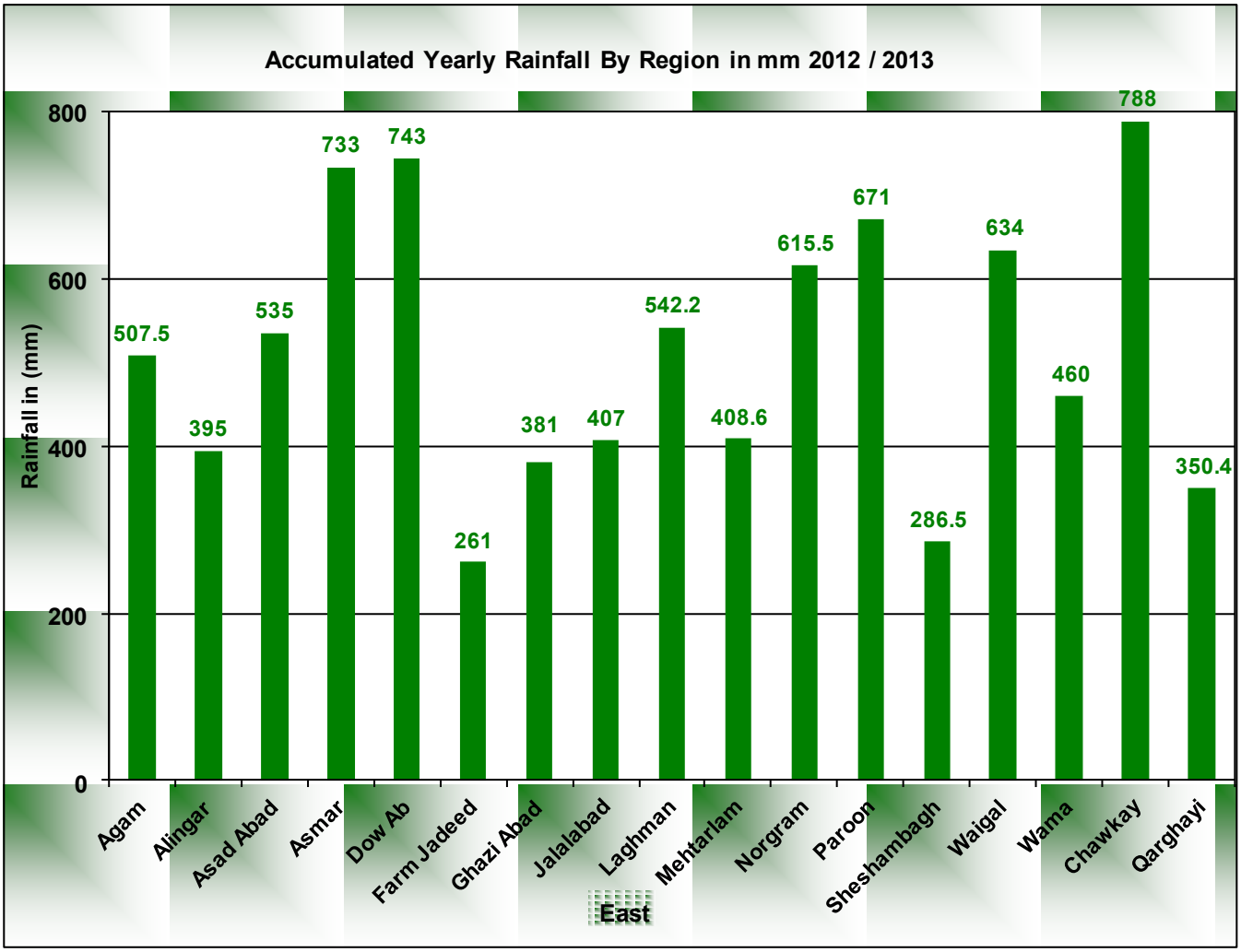
## Average Recorded Rainfall (mm) By Regions ( 2012 - 2013 ) Season

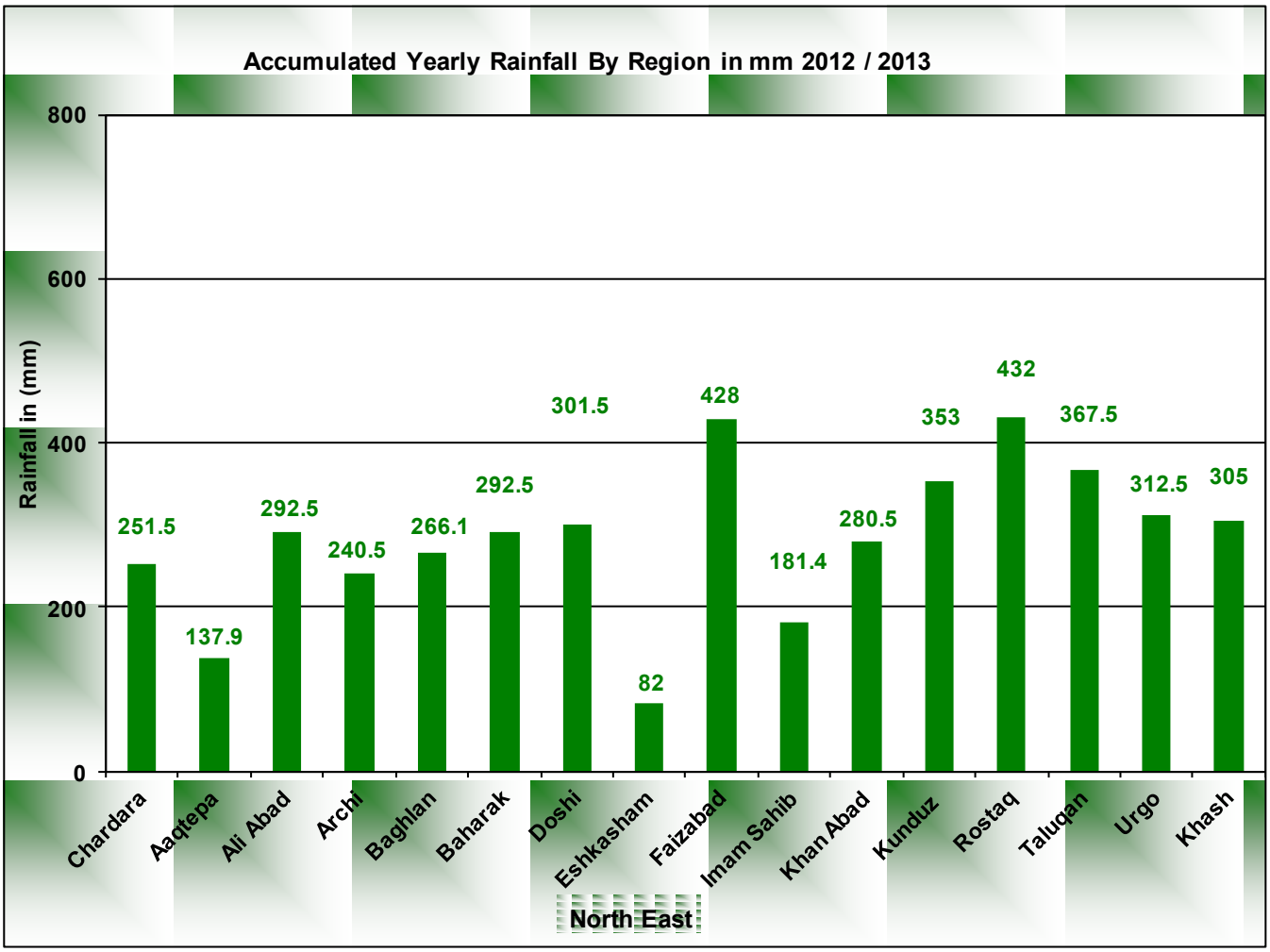
| Region | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Central | 46 | 21 | 11 | 81 | 43 | 165 | 72 | 67 | 7 | 15 | 3 | 17 |
| East | 26 | 5 | 7 | 23 | 4 | 152 | 103 | 25 | 4 | 17 | 5 | 36 |
| North east | 0 | 2 | 46 | 60 | 39.5 | 46.5 | 64.5 | 120.5 | 39 | 6.5 | 0 | 3.5 |
| North west | 0 | 19.5 | 41.5 | 43.6 | 22 | 73.5 | 45.3 | 68.6 | 13.5 | 8.5 | 0 | 0 |
| South | 0 | 0 | 7 | 26 | 0 | 69 | 17 | 30 | 0 | 0 | 0 | 0 |
| South East | 23.6 | 6.4 | 0 | 50.2 | 6.2 | 44.6 | 58.6 | 43.4 | 30.2 | 29.2 | 44.8 | 89.7 |
| West | 0 | 12 | 13.4 | 54.4 | 8.6 | 77.4 | 31.4 | 5 | 0 | 0 | 0 | 0 |
| Minimum | 0 | 0 | 0 | 23 | 0 | 44.6 | 17 | 5 | 0 | 0 | 0 | 0 |
| Maximum | 46 | 21 | 46 | 81 | 43 | 165 | 103 | 120.5 | 39 | 29.2 | 44.8 | 89.7 |
| Average | 14 | 9.4 | 18 | 48.3 | 17.6 | 89.7 | 56.0 | 51.4 | 13.4 | 10.9 | 7.5 | 20.9 |

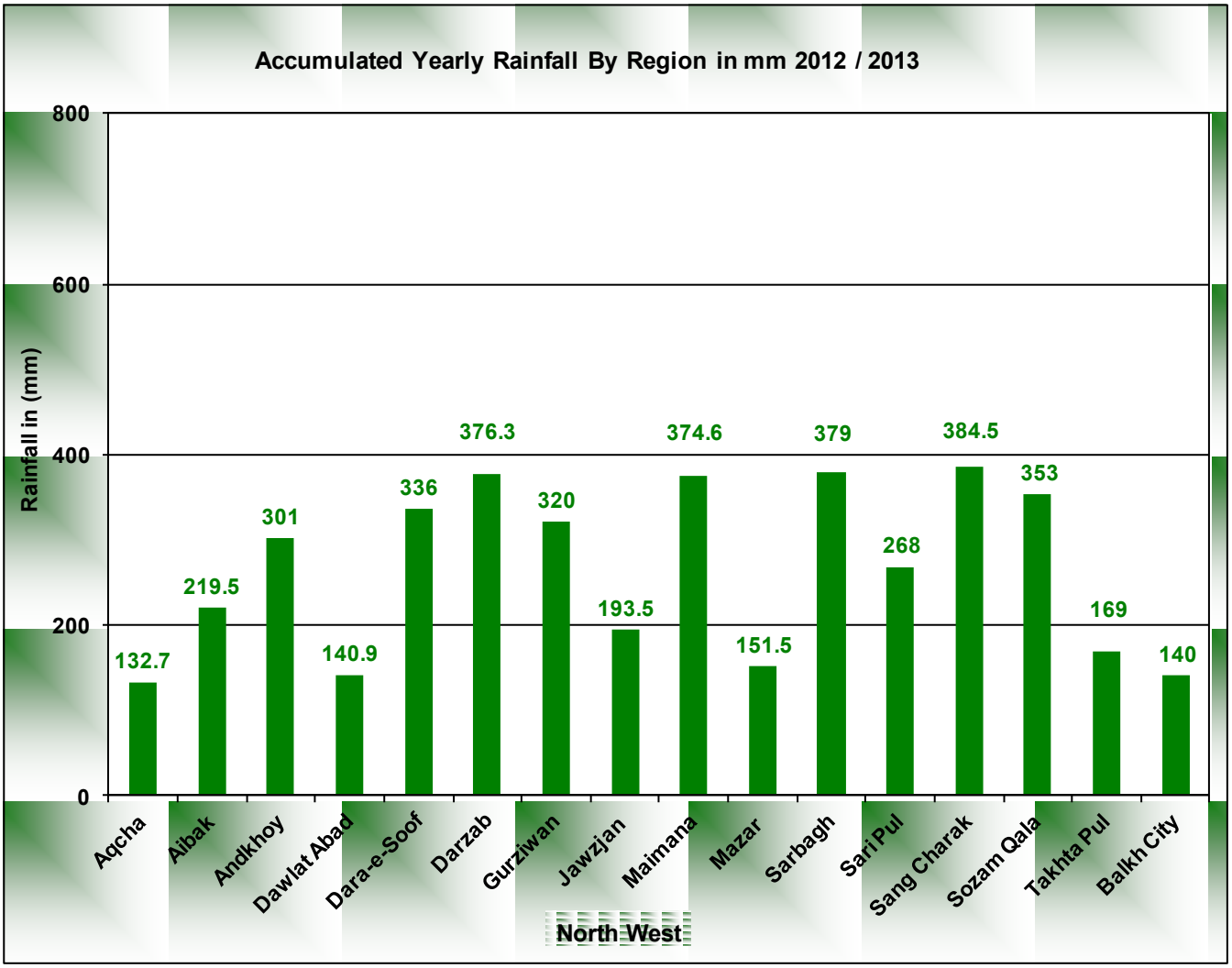

Accumulated Yearly Rainfall By Region in MM ( 2012 - 2013 )
Rainfall in mm
800
700
600
500
400
300
200
100
0
Central
East
North East
North West
South
South East
West
Region
548
407
428
376.3
149
426.9
202.2

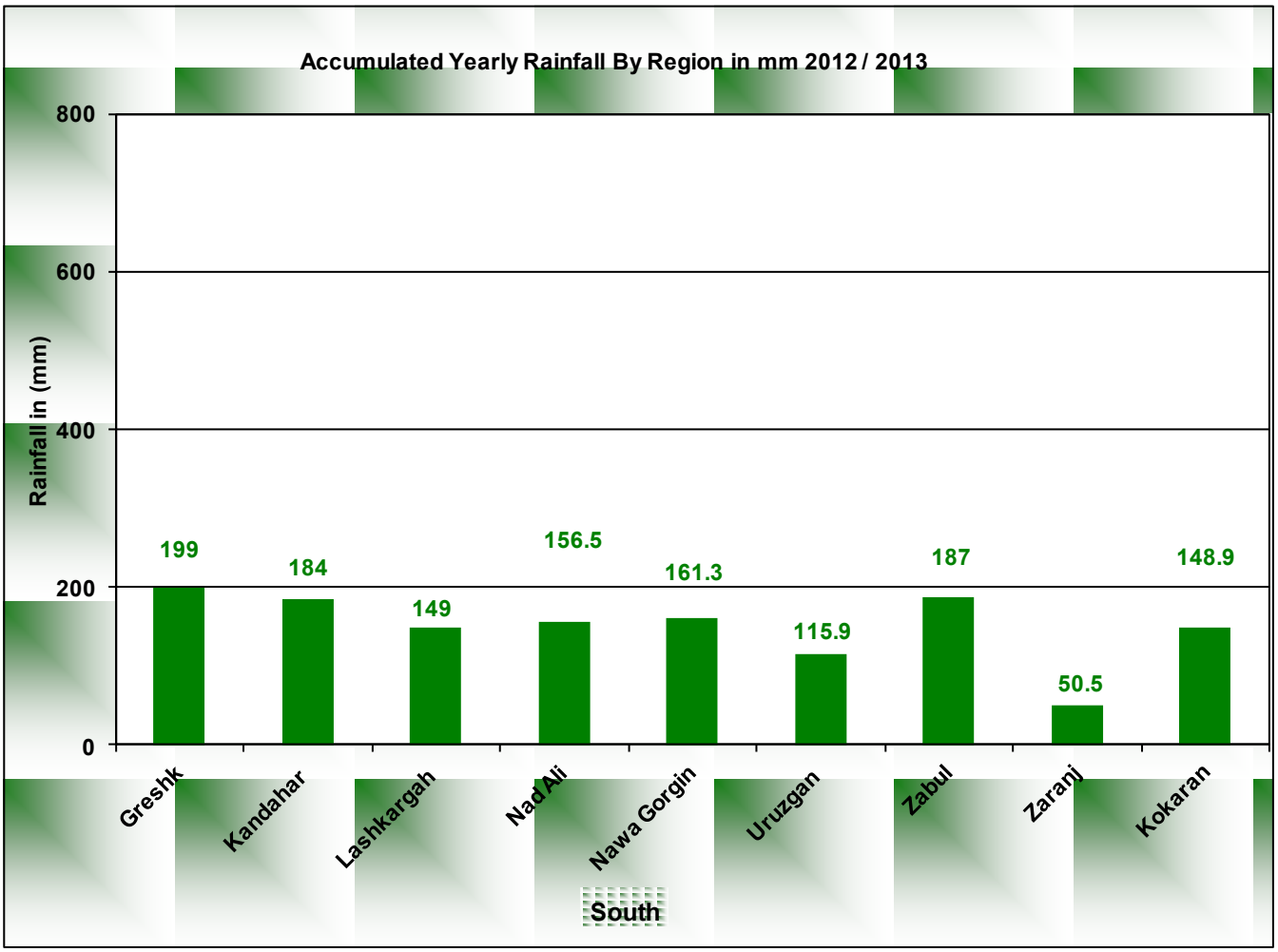

Accumulated Yearly Rainfall By Region in MM ( 2012 - 2013 )
Rainfall in mm
800
700
600
500
400
300
200
100
0
Central
East
North East
North West
South
South East
West
Total Rainfall ( 2012 - 2013 ) 548 407 428 376.3 149 426.9 202.2
Total Rainfall ( 2011 - 2012 ) 432 159 525 371.2 142.5 499.4 169.8

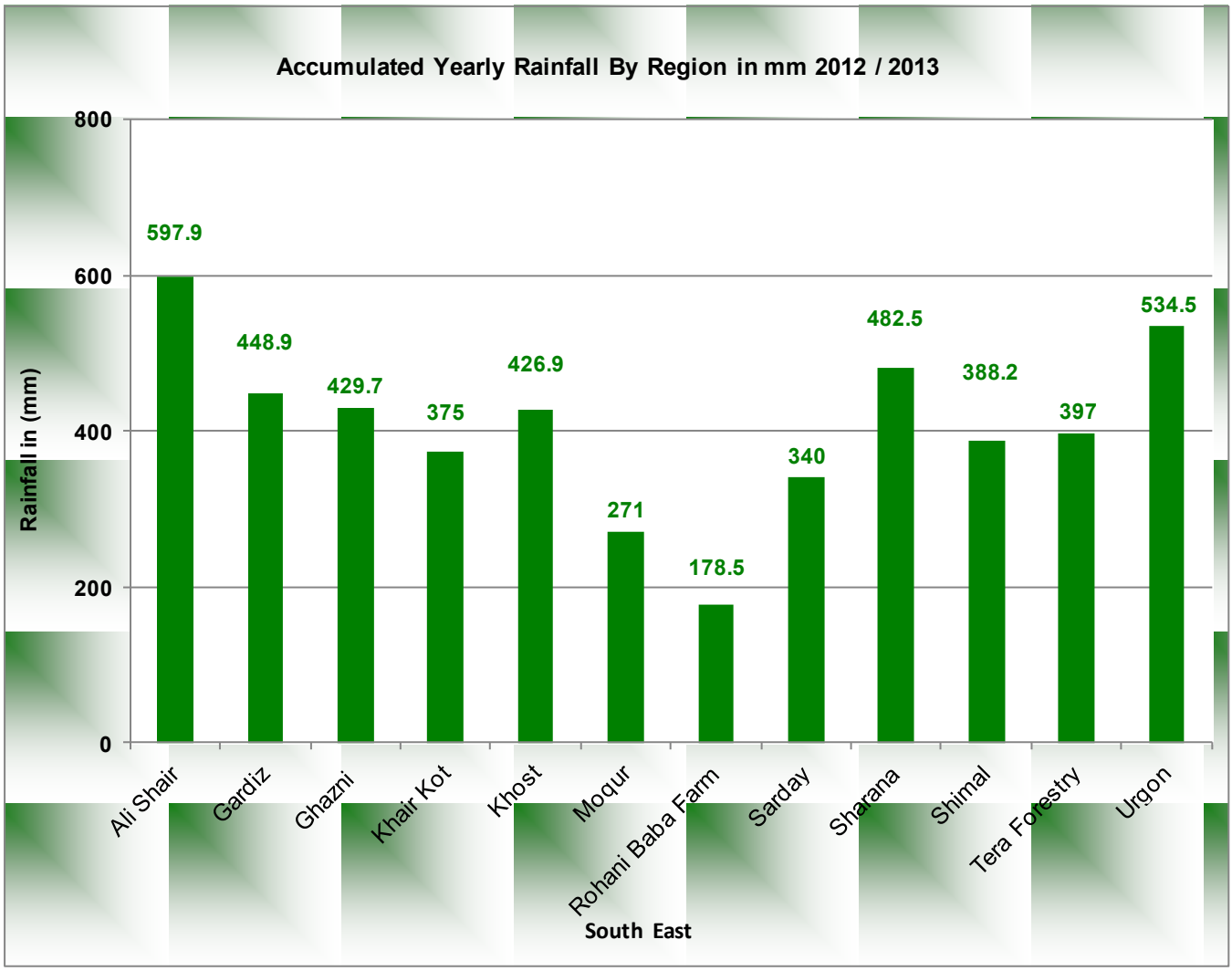

Accumulated Yearly Rainfall By Region in mm 2012/ 2013
Rainfall in (mm)
800
600
400
200
0
393.5
202
433.8
327.5
462
309.7
386.5
461
456
317.4
548
385
462.5
246.8
148
215.1
245.5
169.5
188.9
185
244.3
161
Badam bagh
Charikar
Dara Panjsheer
Darulaman
Dashtak
Gul Khana
kabul
Kapisa Agri
Kohestan
Logar
Paghman
Qargha
Sarobi
Seya Gerd
Mula Ghulam
Bamyan
Dasht
Panjab
Shebar
Yakawlang
Kohmard
Khider
Central

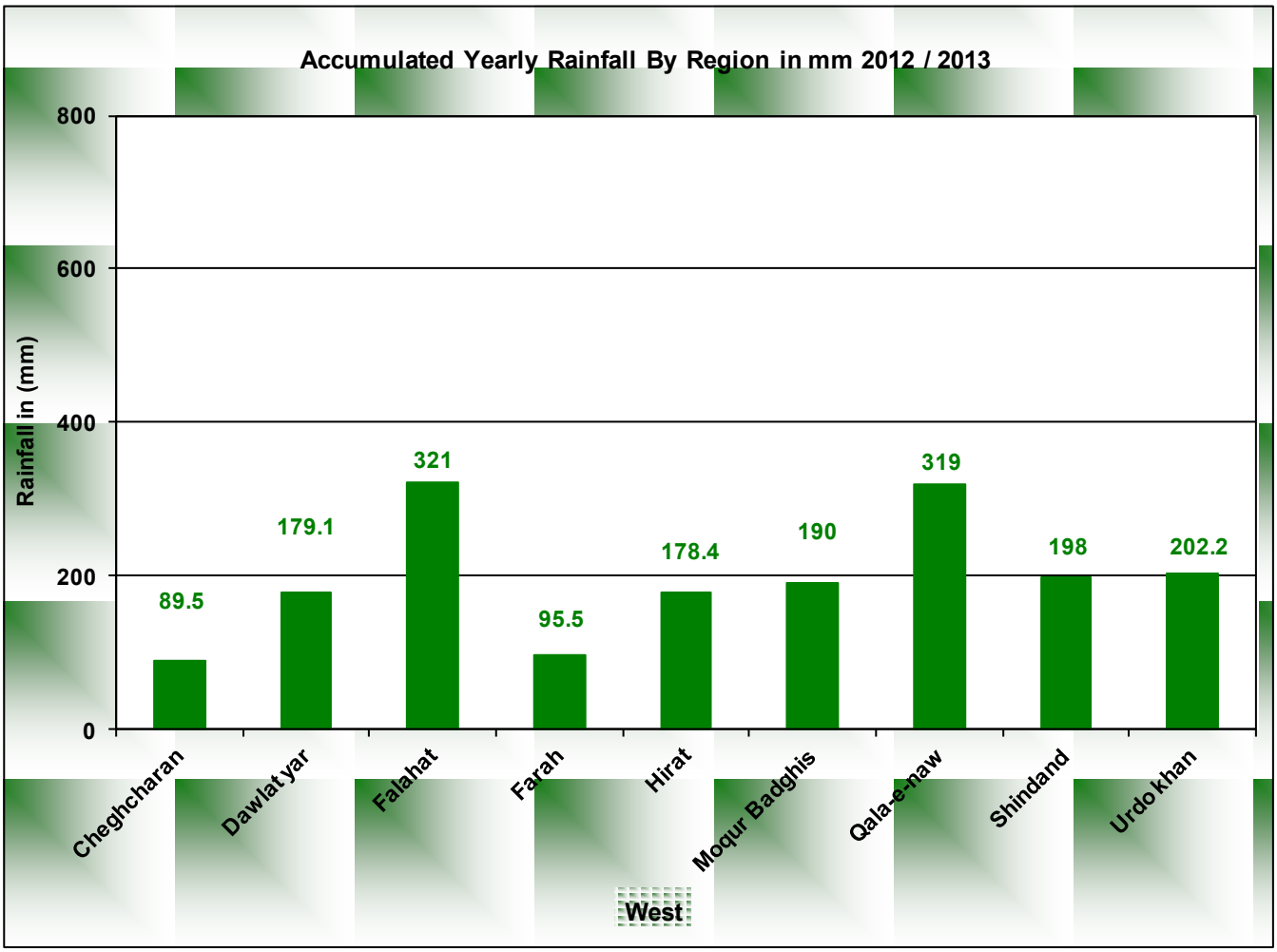

Accumulated Yearly Rainfall By Region in mm 2012 / 2013
Rainfall in (mm)
800
600
400
200
0
507.5
395
535
733
743
261
381
407
542.2
408.6
615.5
671
286.5
634
460
788
350.4
Agam
Alingar
Asad Abad
Asmar
Dow Ab
Farm Jadeed
Ghazi Abad
Jalalabad
Laghman
Mehtarlam
Norgram
Paroon
Sheshambagh
Waigal
Wama
Chawkay
Qarghayi
East


Accumulated Yearly Rainfall By Region in mm 2012 / 2013
Rainfall in (mm)
800
600
400
200
0
251.5
137.9
292.5
240.5
266.1
292.5
301.5
82
428
181.4
280.5
353
432
367.5
312.5
305
Chardara
Aaqtepa
Ali Abad
Archi
Baghlan
Baharak
Doshi
Eshkasham
Faizabad
Imam Sahib
Khan Abad
Kunduz
Rostaq
Taluqan
Urgo
Khash
North East


Accumulated Yearly Rainfall By Region in mm 2012 / 2013
Rainfall in (mm)
800
600
400
200
0
132.7
219.5
301
140.9
336
376.3
320
193.5
374.6
151.5
379
268
384.5
353
169
140
Aqcha
Aibak
Andkhoy
Dawlat Abad
Dara-e-Soof
Darzab
Gurziwan
Jawzjan
Maimana
Mazar
Sarbagh
Sari Pul
Sang Charak
Sozam Qala
Takhta Pul
Balkh City
North West


Accumulated Yearly Rainfall By Region in mm 2012 / 2013
Rainfall in (mm)
800
600
400
200
0
199
184
149
156.5
161.3
115.9
187
50.5
148.9
Greshk
Kandahar
Lashkargah
NadAli
Nawa Gorgin
Uruzgan
Zabul
Zaranj
Kokaran
South

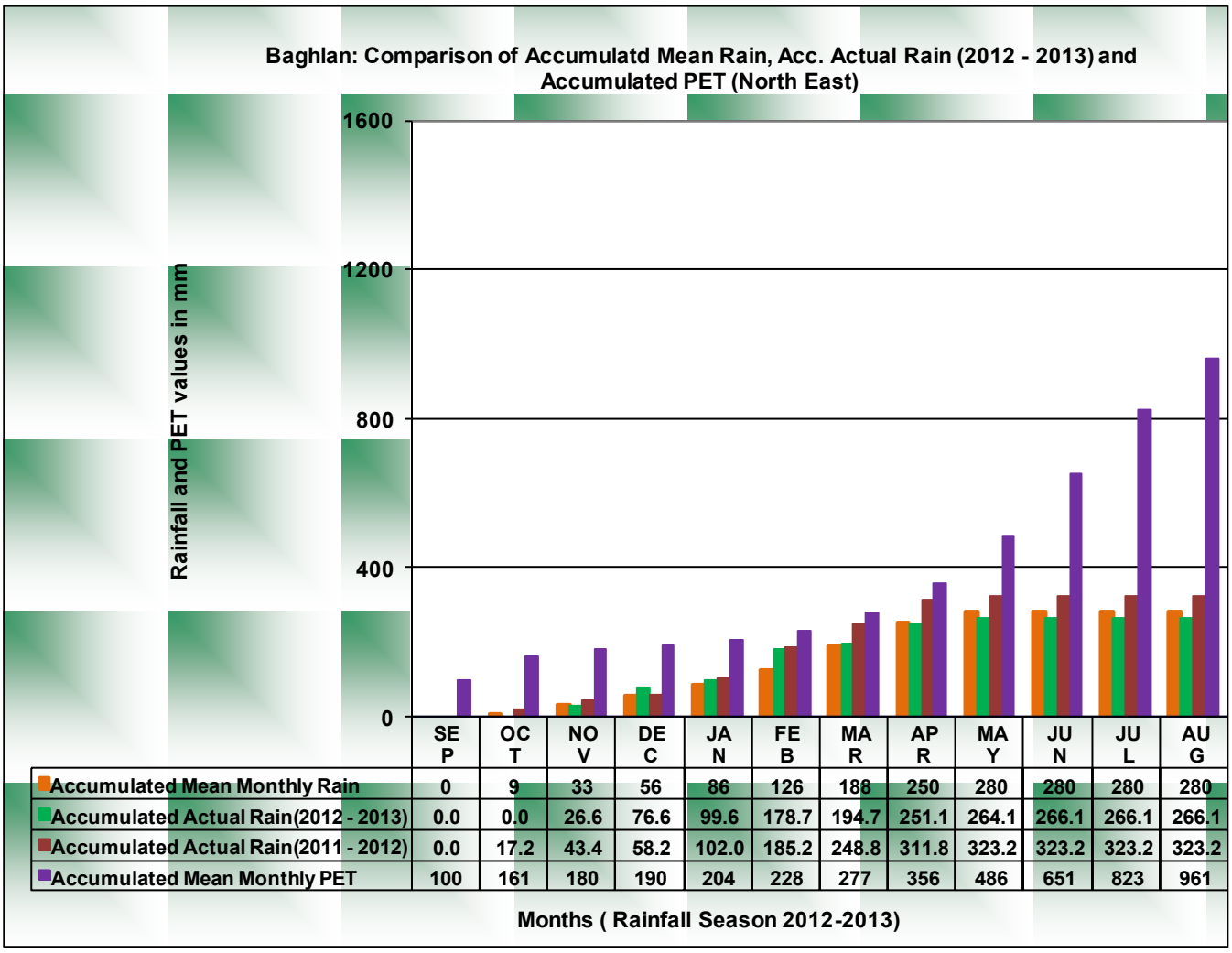

Accumulated Yearly Rainfall By Region in mm 2012 / 2013
Rainfall in (mm)
800
600
400
200
0
597.9
448.9
429.7
375
426.9
271
178.5
340
482.5
388.2
397
534.5
Ali Shair
Gardiz
Ghazni
Khair Kot
Khost
Moqur
Rohani Baba Farm
Sarday
Sharana
Shimal
Tera Forestry
Urgon
South East

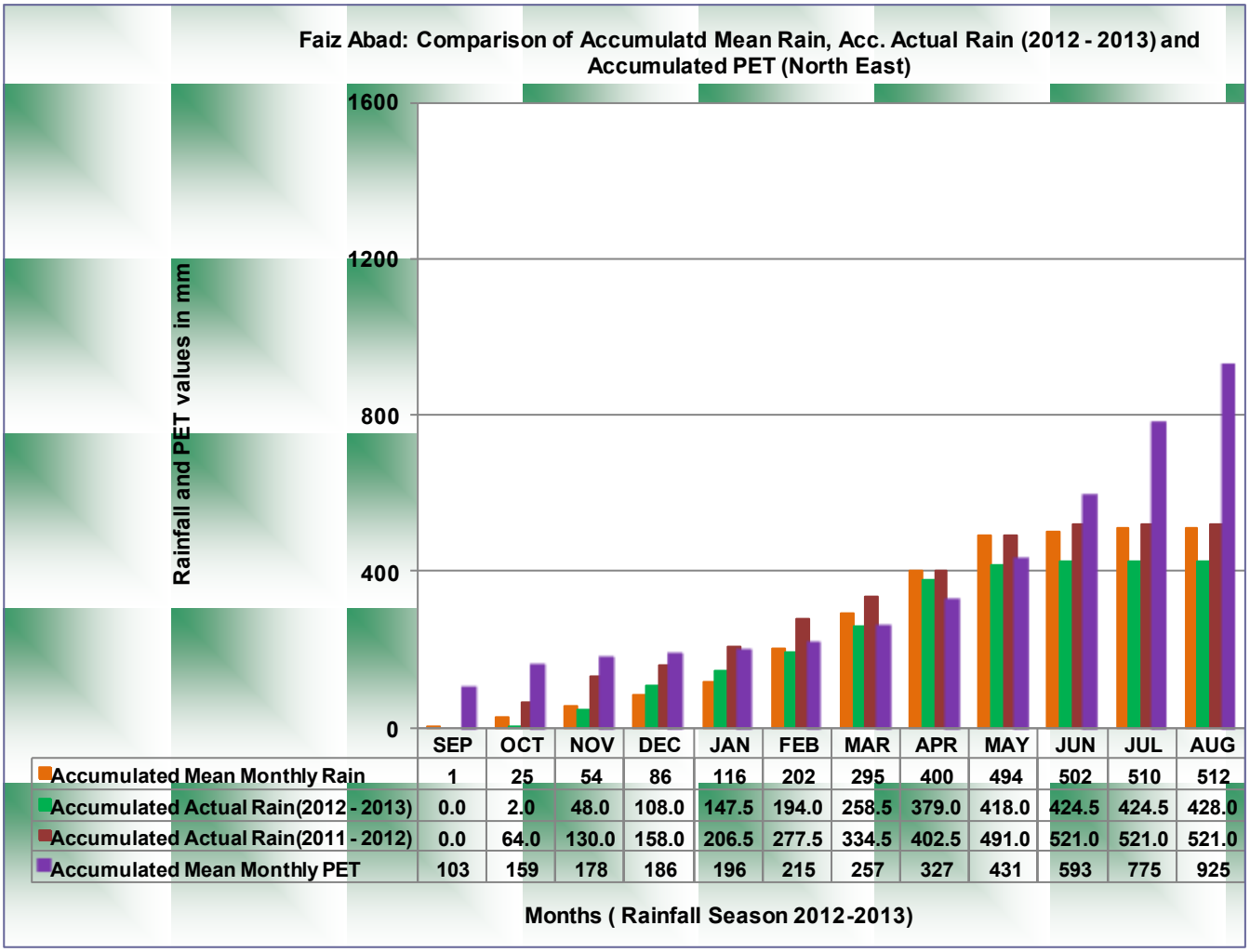

Accumulated Yearly Rainfall By Region in mm 2012 / 2013
Rainfall in (mm)
800
600
400
200
0
89.5
179.1
321
95.5
178.4
190
319
198
202.2
Cheghcharan
Dawlat yar
Falahat
Farah
Hirat
Moqur Badghis
Qala-e-naw
Shindand
Urdo khan
West

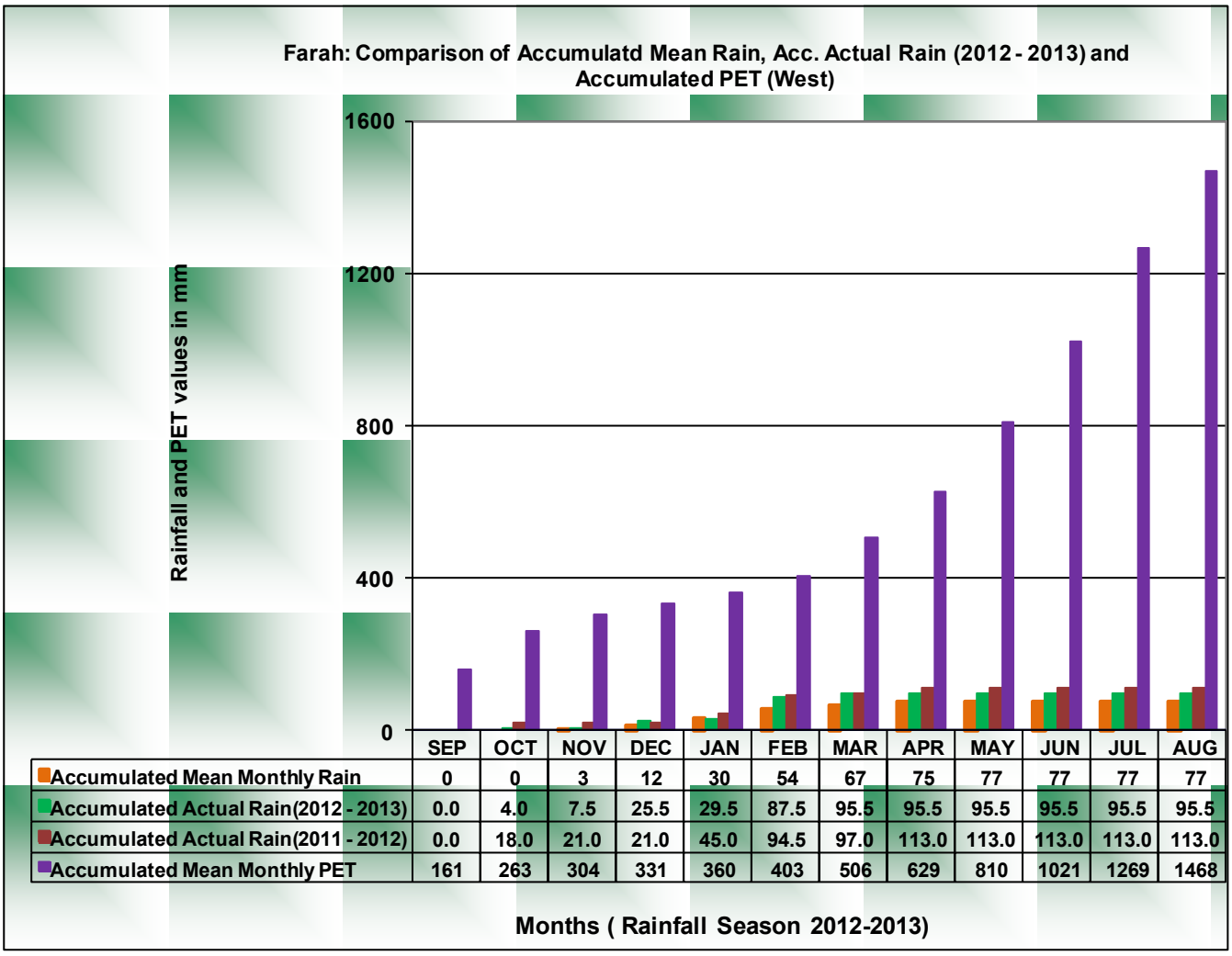
# Accumulated Rainfall (mm)
# For the (2012 - 2013) Season

Compared with:

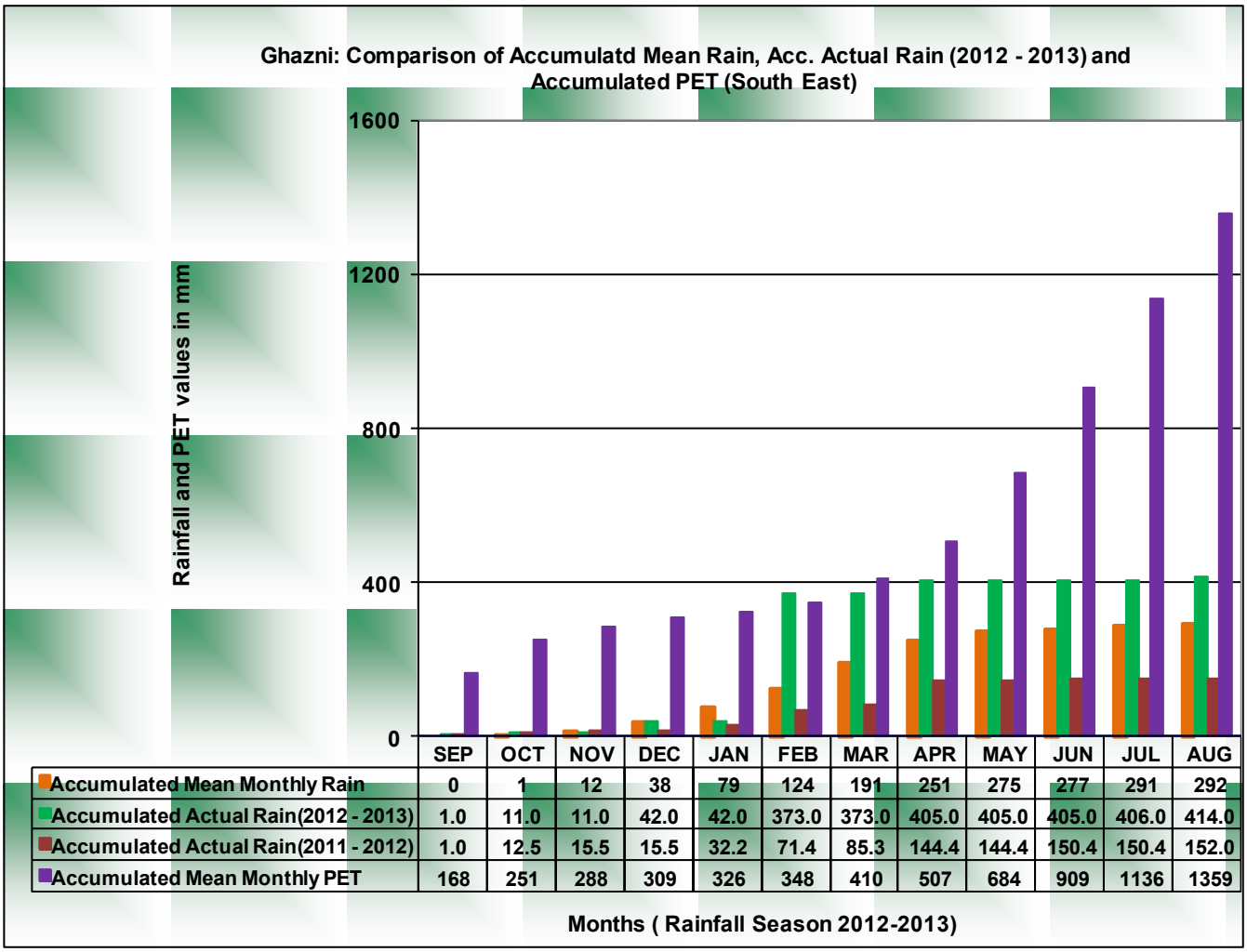
- Last Year
- Potential Evapotranspiration (PET)
- Long Term Average


Baghlan: Comparison of Accumulatd Mean Rain, Acc. Actual Rain (2012 - 2013) and Accumulated PET (North East)
Rainfall and PET values in mm
1600
1200
800
400
0
SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG
Accumulated Mean Monthly Rain 0 9 33 56 86 126 188 250 280 280 280 280
Accumulated Actual Rain(2012 - 2013) 0.0 0.0 26.6 76.6 99.6 178.7 194.7 251.1 264.1 266.1 266.1 266.1
Accumulated Actual Rain(2011 - 2012) 0.0 17.2 43.4 58.2 102.0 185.2 248.8 311.8 323.2 323.2 323.2 323.2
Accumulated Mean Monthly PET 100 161 180 190 204 228 277 356 486 651 823 961
Months ( Rainfall Season 2012-2013)

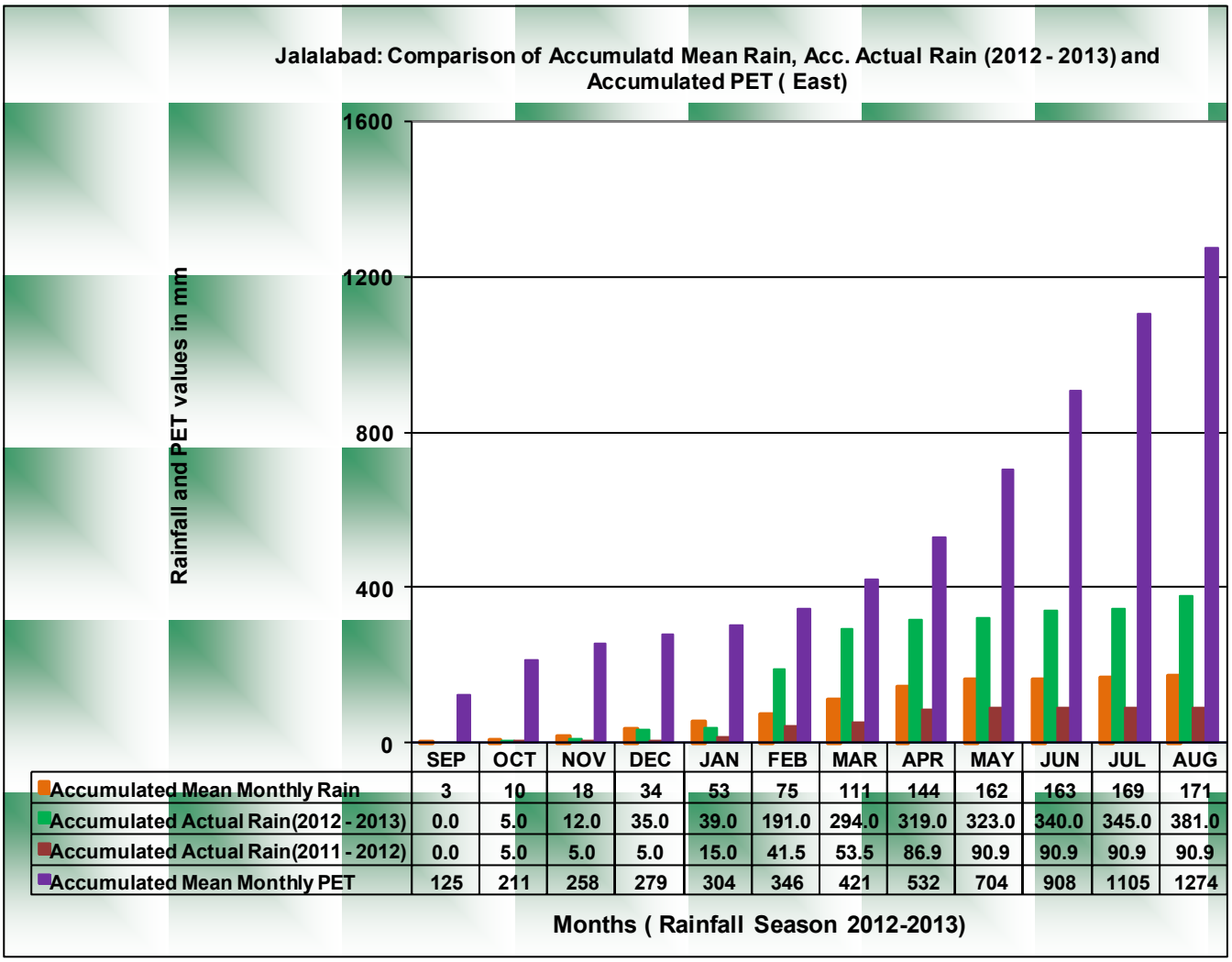

Faiz Abad: Comparison of Accumulatd Mean Rain, Acc. Actual Rain (2012 - 2013) and Accumulated PET (North East)
Rainfall and PET values in mm
1600
1200
800
400
0
SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG
Accumulated Mean Monthly Rain 1 25 54 86 116 202 295 400 494 502 510 512
Accumulated Actual Rain(2012 - 2013) 0.0 2.0 48.0 108.0 147.5 194.0 258.5 379.0 418.0 424.5 424.5 428.0
Accumulated Actual Rain(2011 - 2012) 0.0 64.0 130.0 158.0 206.5 277.5 334.5 402.5 491.0 521.0 521.0 521.0
Accumulated Mean Monthly PET 103 159 178 186 196 215 257 327 431 593 775 925
Months ( Rainfall Season 2012-2013)



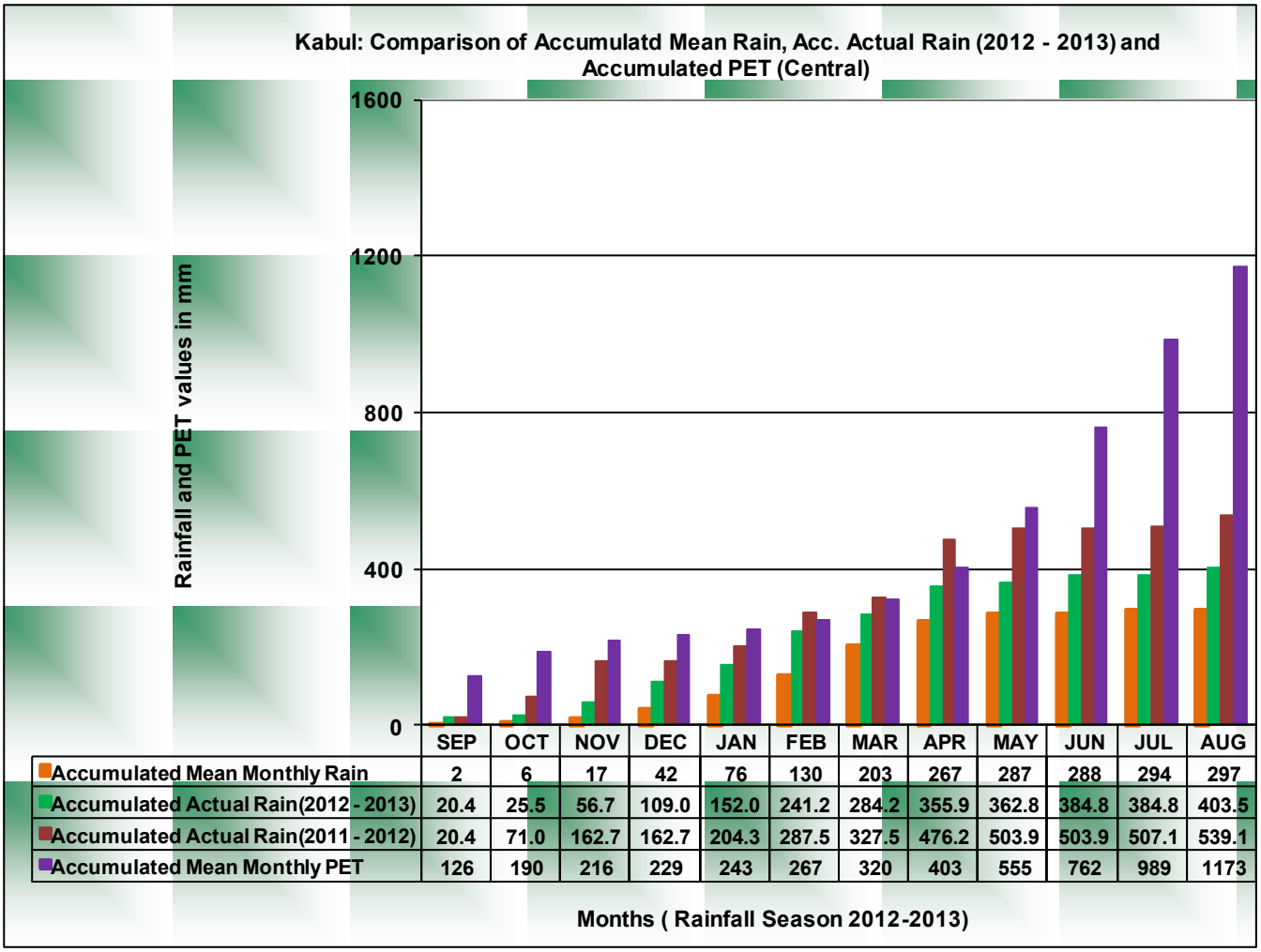

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 0 | 0 | 3 | 12 | 30 | 54 | 67 | 75 | 77 | 77 | 77 | 77 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 4.0 | 7.5 | 25.5 | 29.5 | 87.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 18.0 | 21.0 | 21.0 | 45.0 | 94.5 | 97.0 | 113.0 | 113.0 | 113.0 | 113.0 | 113.0 |
| Accumulated Mean Monthly PET | 161 | 263 | 304 | 331 | 360 | 403 | 506 | 629 | 810 | 1021 | 1269 | 1468 |



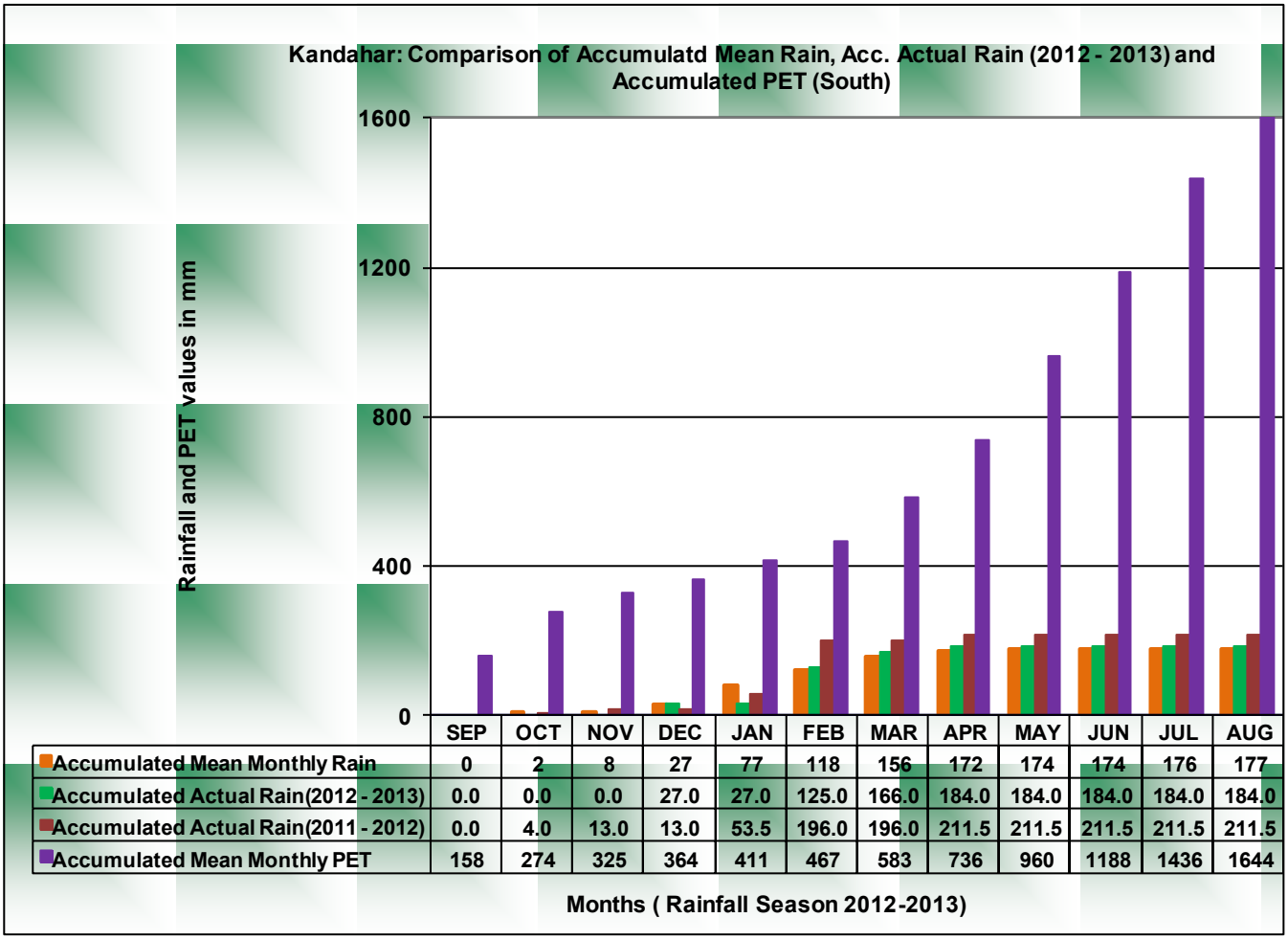

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 0 | 1 | 12 | 38 | 79 | 124 | 191 | 251 | 275 | 277 | 291 | 292 |
| Accumulated Actual Rain(2012 - 2013) | 1.0 | 11.0 | 11.0 | 42.0 | 42.0 | 373.0 | 373.0 | 405.0 | 405.0 | 405.0 | 406.0 | 414.0 |
| Accumulated Actual Rain(2011 - 2012) | 1.0 | 12.5 | 15.5 | 15.5 | 32.2 | 71.4 | 85.3 | 144.4 | 144.4 | 150.4 | 150.4 | 152.0 |
| Accumulated Mean Monthly PET | 168 | 251 | 288 | 309 | 326 | 348 | 410 | 507 | 684 | 909 | 1136 | 1359 |



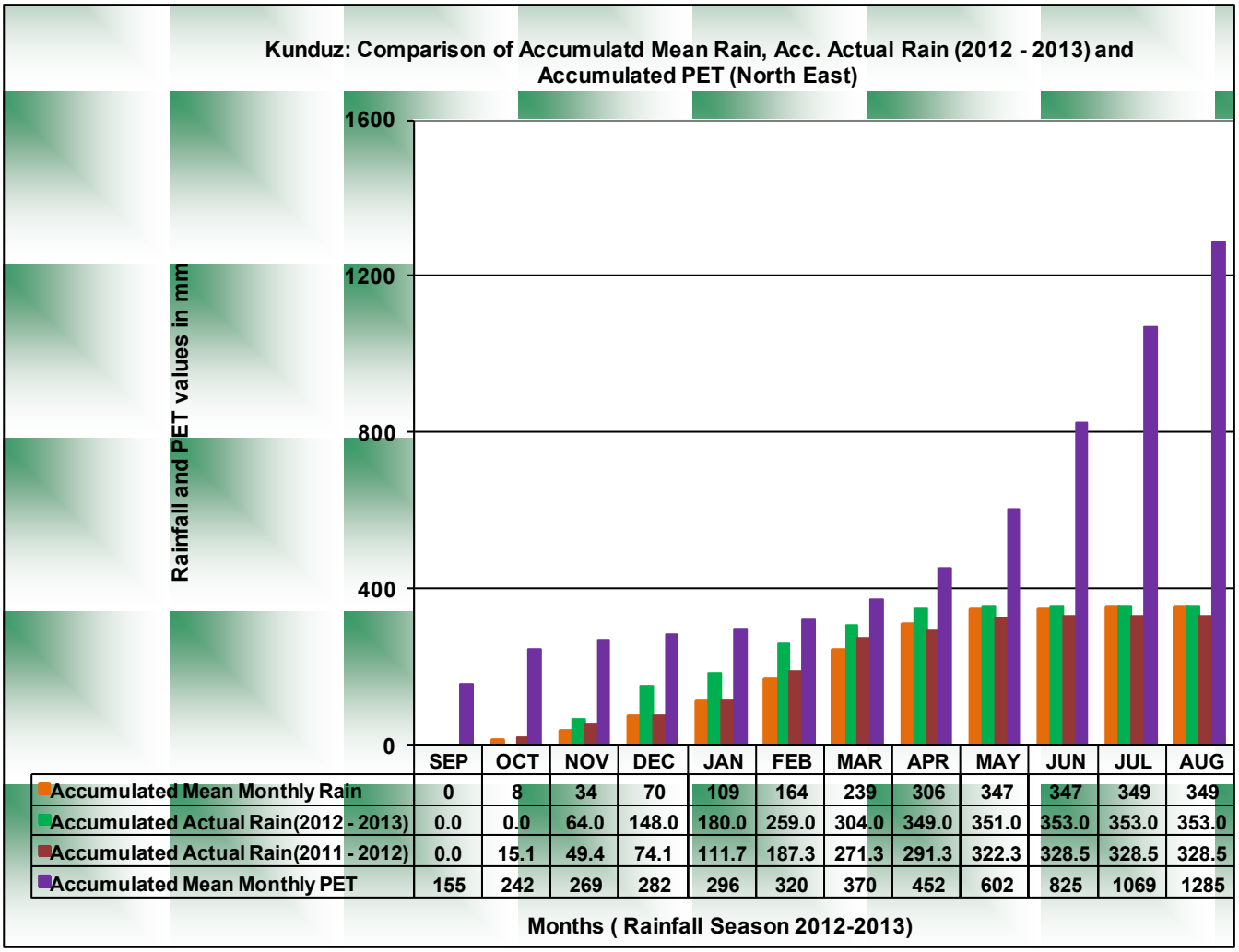

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 3 | 10 | 18 | 34 | 53 | 75 | 111 | 144 | 162 | 163 | 169 | 171 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 5.0 | 12.0 | 35.0 | 39.0 | 191.0 | 294.0 | 319.0 | 323.0 | 340.0 | 345.0 | 381.0 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 5.0 | 5.0 | 5.0 | 15.0 | 41.5 | 53.5 | 86.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| Accumulated Mean Monthly PET | 125 | 211 | 258 | 279 | 304 | 346 | 421 | 532 | 704 | 908 | 1105 | 1274 |



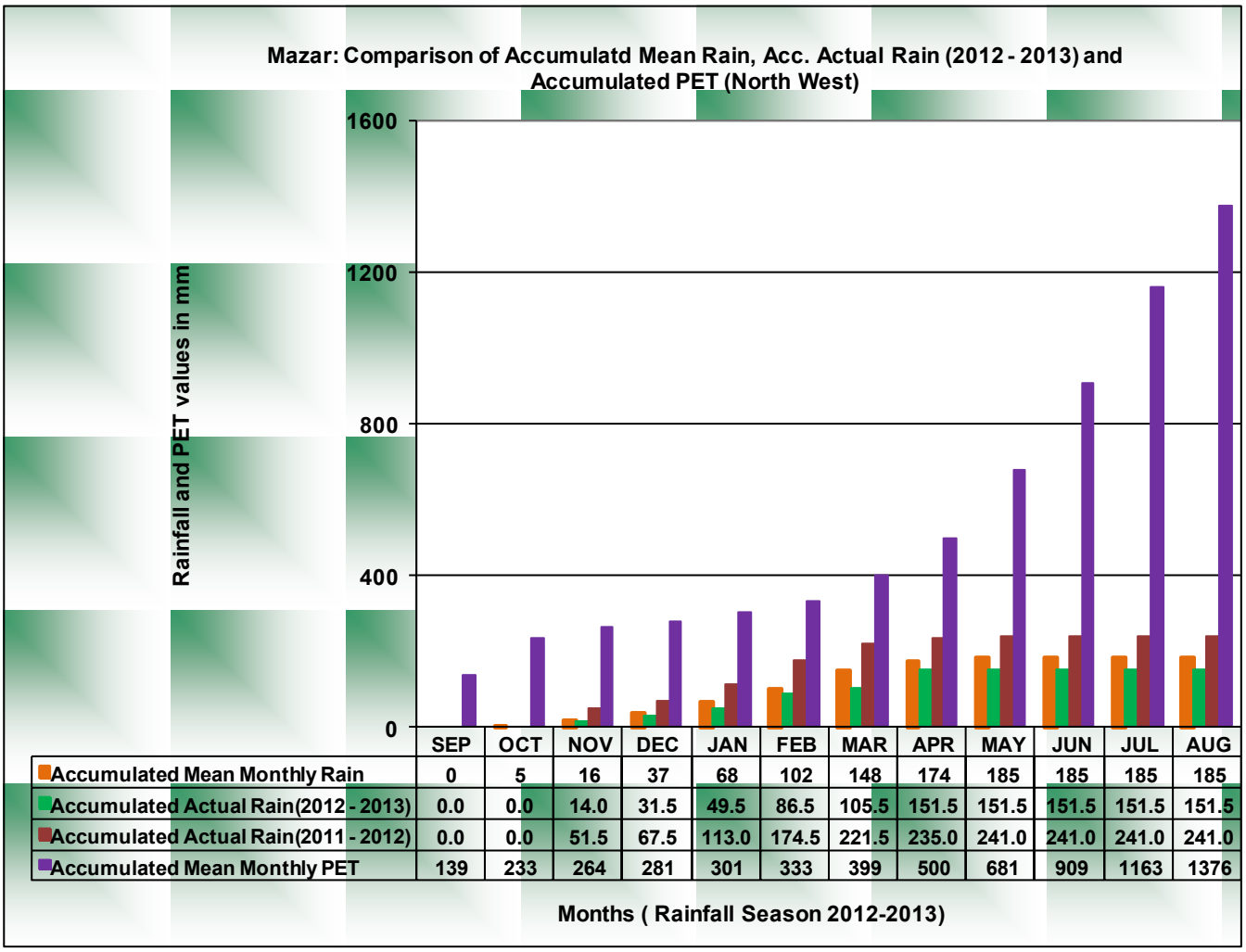

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 2 | 6 | 17 | 42 | 76 | 130 | 203 | 267 | 287 | 288 | 294 | 297 |
| Accumulated Actual Rain(2012 - 2013) | 20.4 | 25.5 | 56.7 | 109.0 | 152.0 | 241.2 | 284.2 | 355.9 | 362.8 | 384.8 | 384.8 | 403.5 |
| Accumulated Actual Rain(2011 - 2012) | 20.4 | 71.0 | 162.7 | 162.7 | 204.3 | 287.5 | 327.5 | 476.2 | 503.9 | 503.9 | 507.1 | 539.1 |
| Accumulated Mean Monthly PET | 126 | 190 | 216 | 229 | 243 | 267 | 320 | 403 | 555 | 762 | 989 | 1173 |



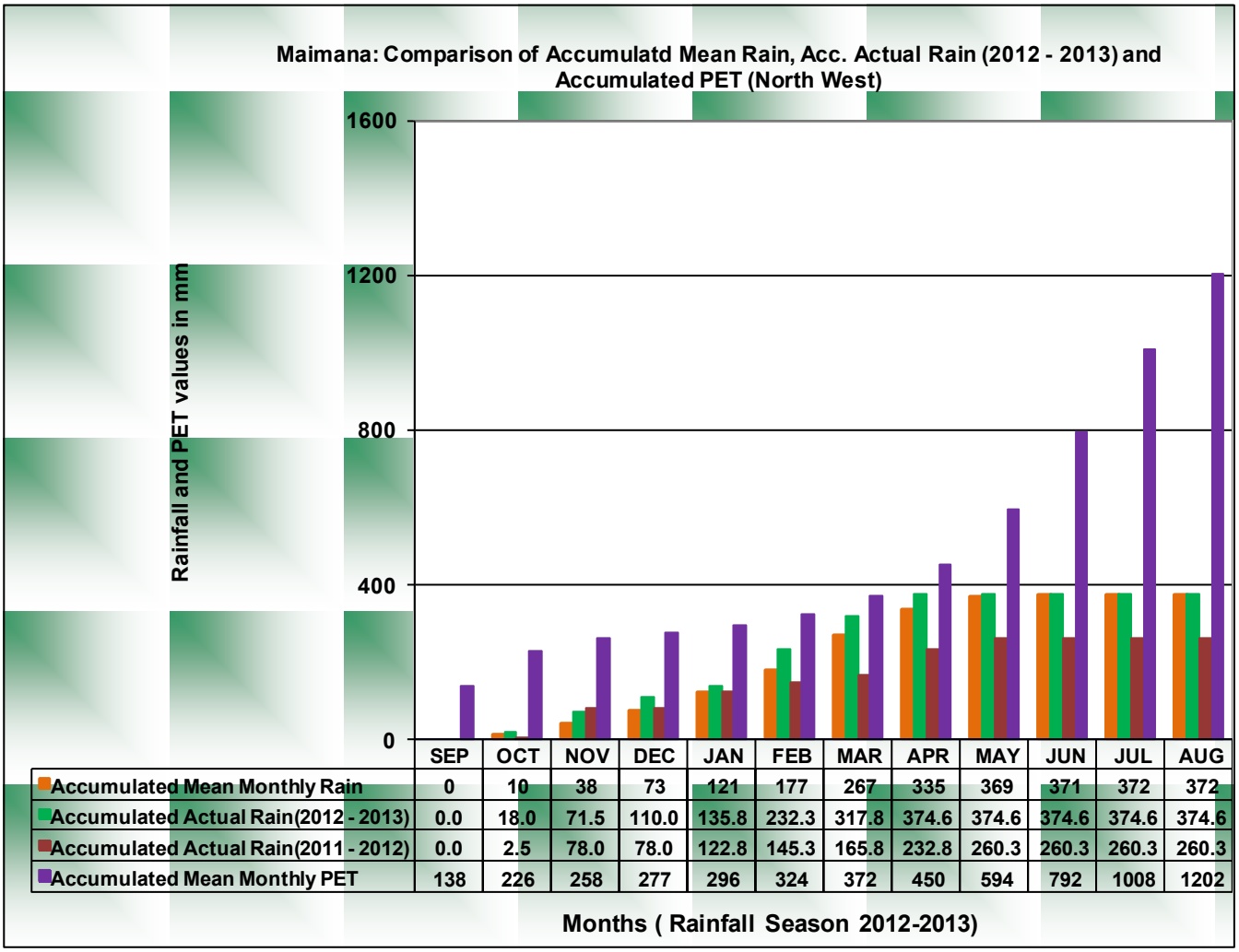

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 0 | 2 | 8 | 27 | 77 | 118 | 156 | 172 | 174 | 174 | 176 | 177 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 0.0 | 0.0 | 27.0 | 27.0 | 125.0 | 166.0 | 184.0 | 184.0 | 184.0 | 184.0 | 184.0 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 4.0 | 13.0 | 13.0 | 53.5 | 196.0 | 196.0 | 211.5 | 211.5 | 211.5 | 211.5 | 211.5 |
| Accumulated Mean Monthly PET | 158 | 274 | 325 | 364 | 411 | 467 | 583 | 736 | 960 | 1188 | 1436 | 1644 |



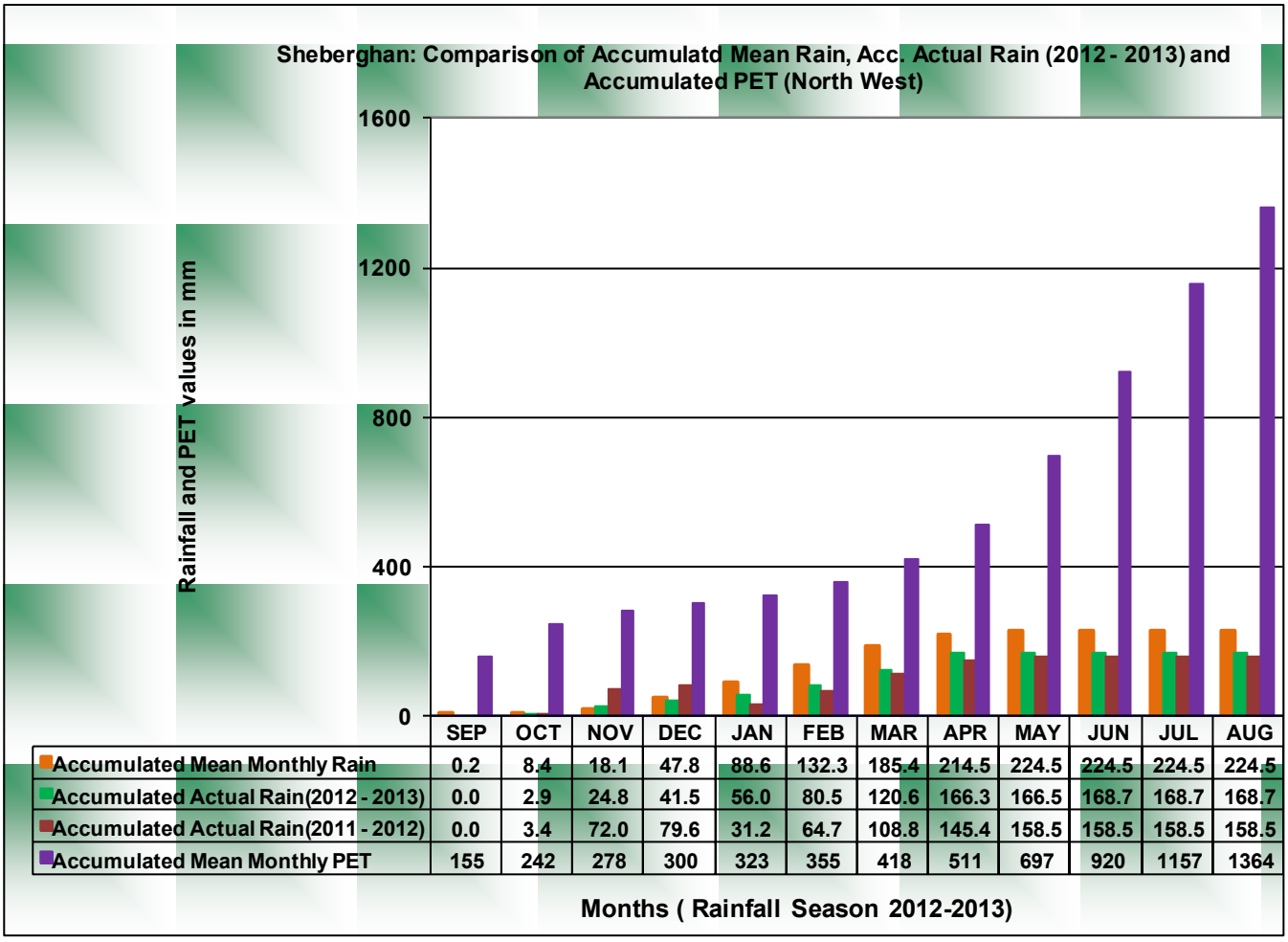

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 0 | 8 | 34 | 70 | 109 | 164 | 239 | 306 | 347 | 347 | 349 | 349 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 0.0 | 64.0 | 148.0 | 180.0 | 259.0 | 304.0 | 349.0 | 351.0 | 353.0 | 353.0 | 353.0 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 15.1 | 49.4 | 74.1 | 111.7 | 187.3 | 271.3 | 291.3 | 322.3 | 328.5 | 328.5 | 328.5 |
| Accumulated Mean Monthly PET | 155 | 242 | 269 | 282 | 296 | 320 | 370 | 452 | 602 | 825 | 1069 | 1285 |



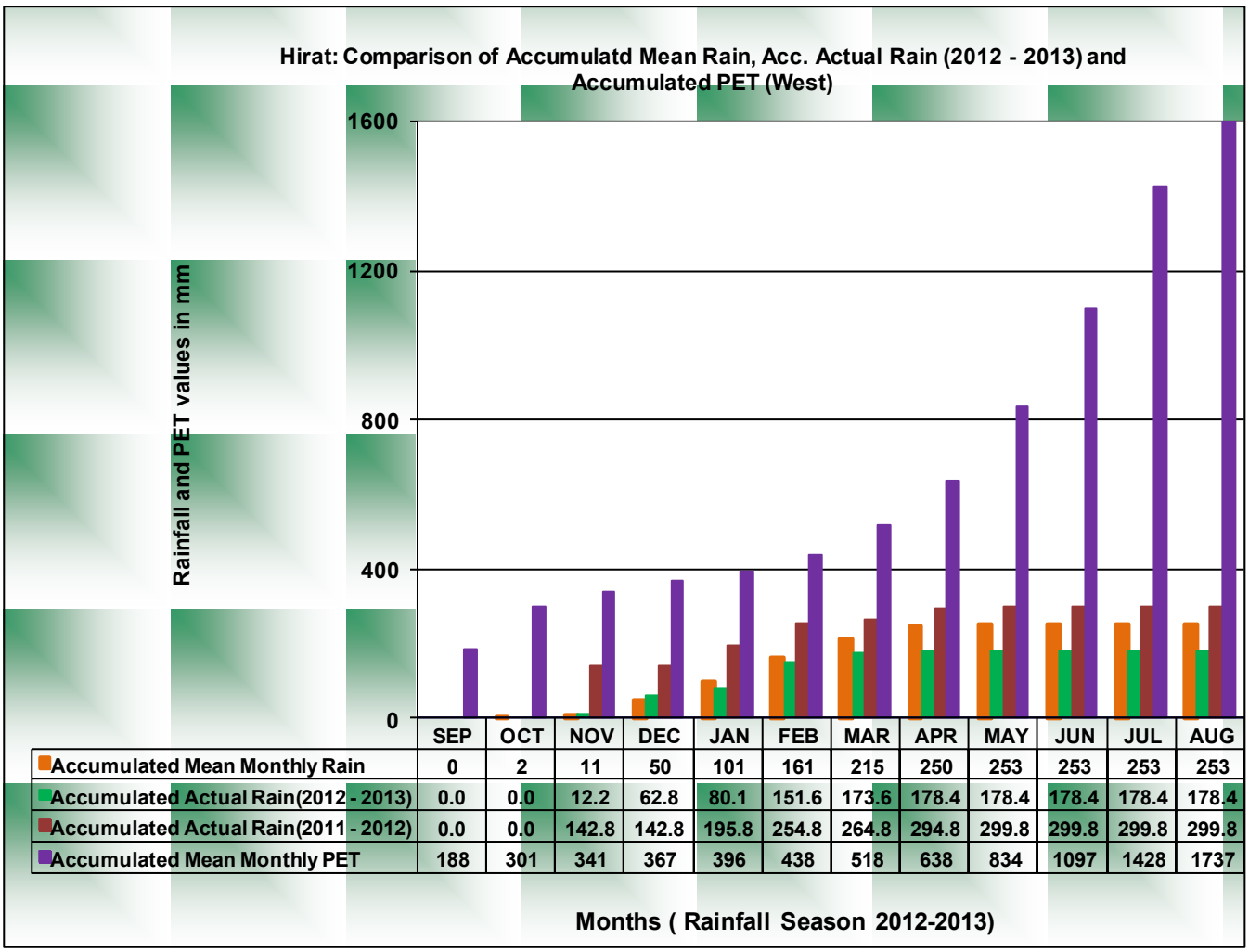

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 0 | 5 | 16 | 37 | 68 | 102 | 148 | 174 | 185 | 185 | 185 | 185 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 0.0 | 14.0 | 31.5 | 49.5 | 86.5 | 105.5 | 151.5 | 151.5 | 151.5 | 151.5 | 151.5 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 0.0 | 51.5 | 67.5 | 113.0 | 174.5 | 221.5 | 235.0 | 241.0 | 241.0 | 241.0 | 241.0 |
| Accumulated Mean Monthly PET | 139 | 233 | 264 | 281 | 301 | 333 | 399 | 500 | 681 | 909 | 1163 | 1376 |



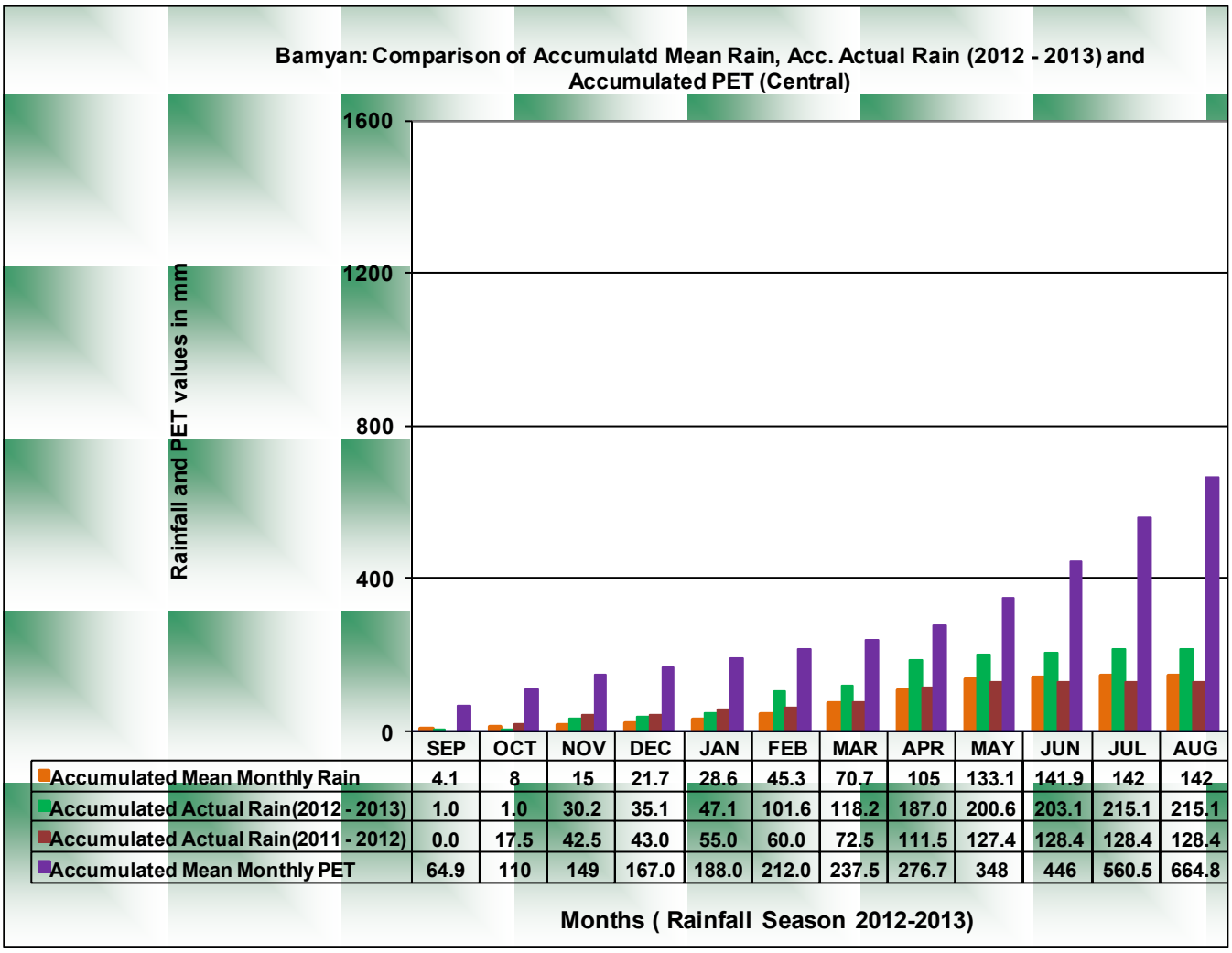

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 0 | 10 | 38 | 73 | 121 | 177 | 267 | 335 | 369 | 371 | 372 | 372 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 18.0 | 71.5 | 110.0 | 135.8 | 232.3 | 317.8 | 374.6 | 374.6 | 374.6 | 374.6 | 374.6 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 2.5 | 78.0 | 78.0 | 122.8 | 145.3 | 165.8 | 232.8 | 260.3 | 260.3 | 260.3 | 260.3 |
| Accumulated Mean Monthly PET | 138 | 226 | 258 | 277 | 296 | 324 | 372 | 450 | 594 | 792 | 1008 | 1202 |



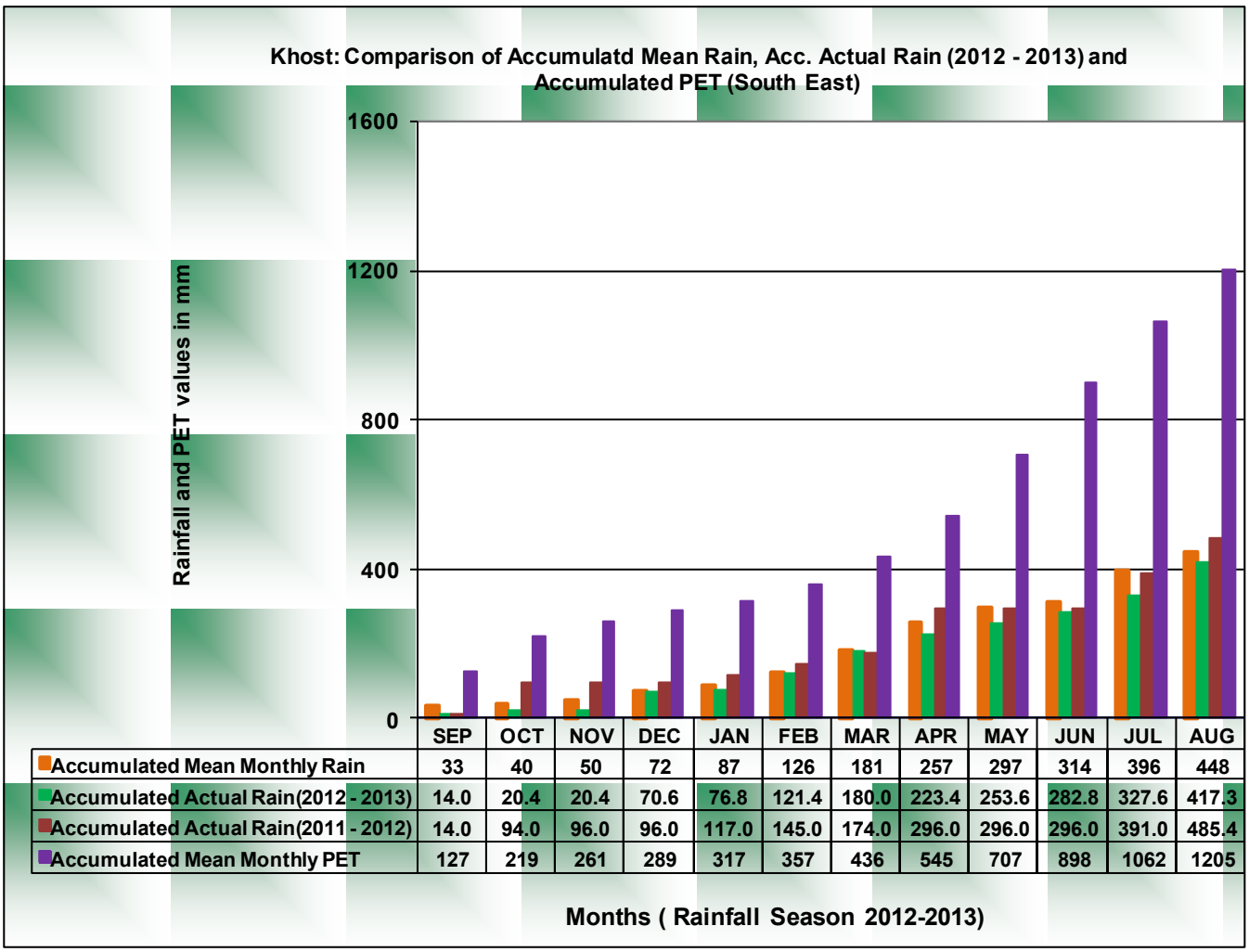

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 0.2 | 8.4 | 18.1 | 47.8 | 88.6 | 132.3 | 185.4 | 214.5 | 224.5 | 224.5 | 224.5 | 224.5 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 2.9 | 24.8 | 41.5 | 56.0 | 80.5 | 120.6 | 166.3 | 166.5 | 168.7 | 168.7 | 168.7 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 3.4 | 72.0 | 79.6 | 31.2 | 64.7 | 108.8 | 145.4 | 158.5 | 158.5 | 158.5 | 158.5 |
| Accumulated Mean Monthly PET | 155 | 242 | 278 | 300 | 323 | 355 | 418 | 511 | 697 | 920 | 1157 | 1364 |



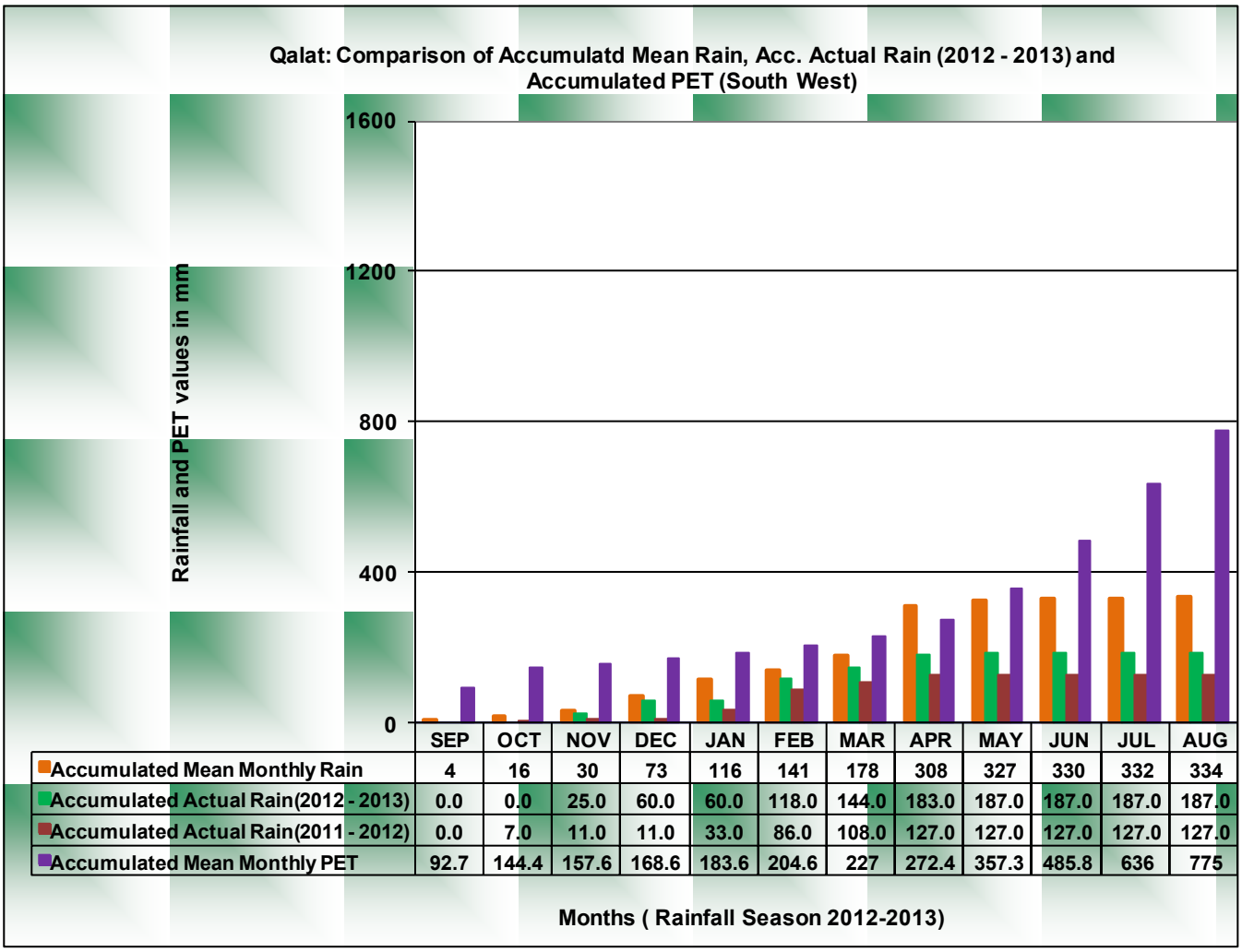

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 0 | 2 | 11 | 50 | 101 | 161 | 215 | 250 | 253 | 253 | 253 | 253 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 0.0 | 12.2 | 62.8 | 80.1 | 151.6 | 173.6 | 178.4 | 178.4 | 178.4 | 178.4 | 178.4 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 0.0 | 142.8 | 142.8 | 195.8 | 254.8 | 264.8 | 294.8 | 299.8 | 299.8 | 299.8 | 299.8 |
| Accumulated Mean Monthly PET | 188 | 301 | 341 | 367 | 396 | 438 | 518 | 638 | 834 | 1097 | 1428 | 1737 |



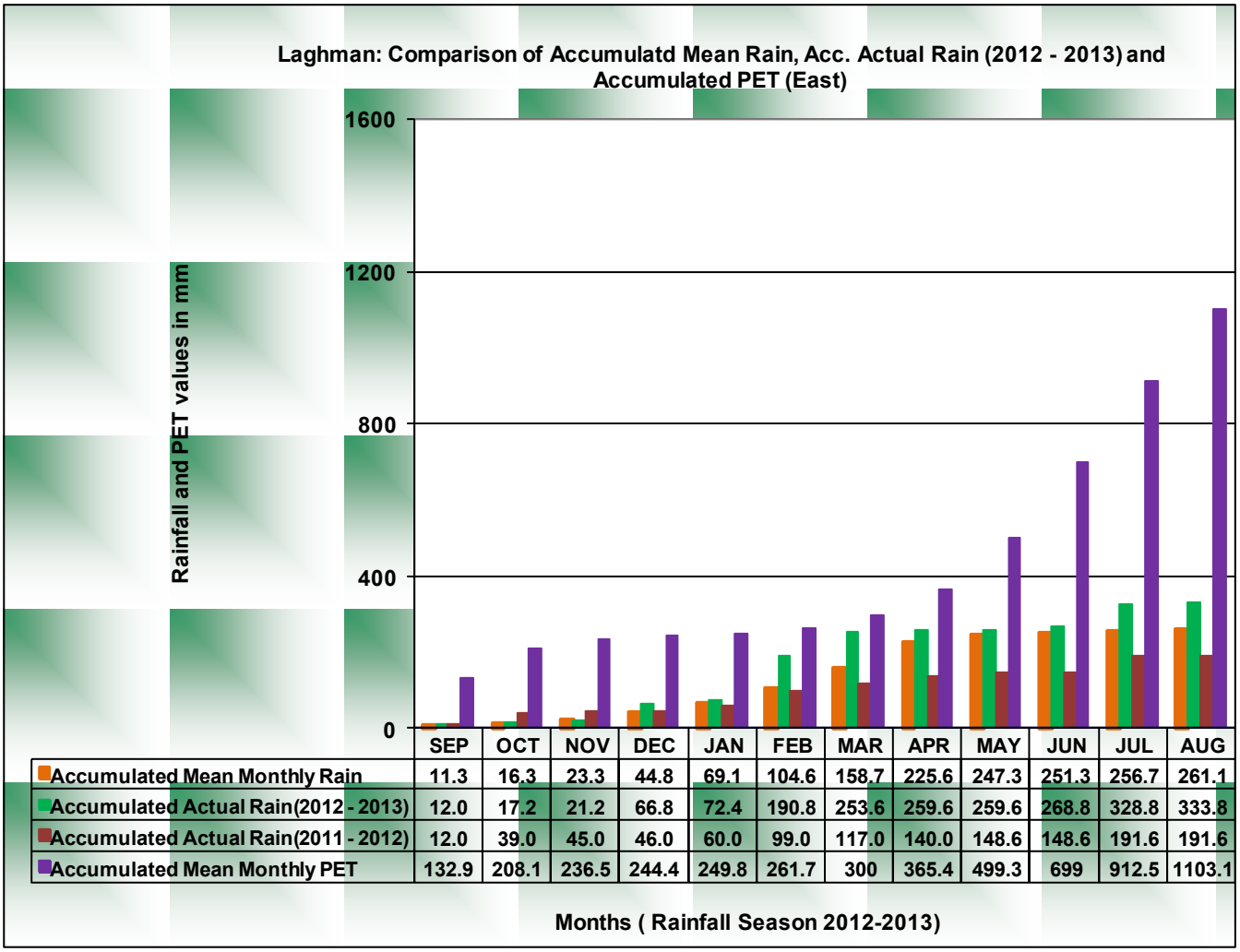

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 4.1 | 8 | 15 | 21.7 | 28.6 | 45.3 | 70.7 | 105 | 133.1 | 141.9 | 142 | 142 |
| Accumulated Actual Rain(2012 - 2013) | 1.0 | 1.0 | 30.2 | 35.1 | 47.1 | 101.6 | 118.2 | 187.0 | 200.6 | 203.1 | 215.1 | 215.1 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 17.5 | 42.5 | 43.0 | 55.0 | 60.0 | 72.5 | 111.5 | 127.4 | 128.4 | 128.4 | 128.4 |
| Accumulated Mean Monthly PET | 64.9 | 110 | 149 | 167.0 | 188.0 | 212.0 | 237.5 | 276.7 | 348 | 446 | 560.5 | 664.8 |



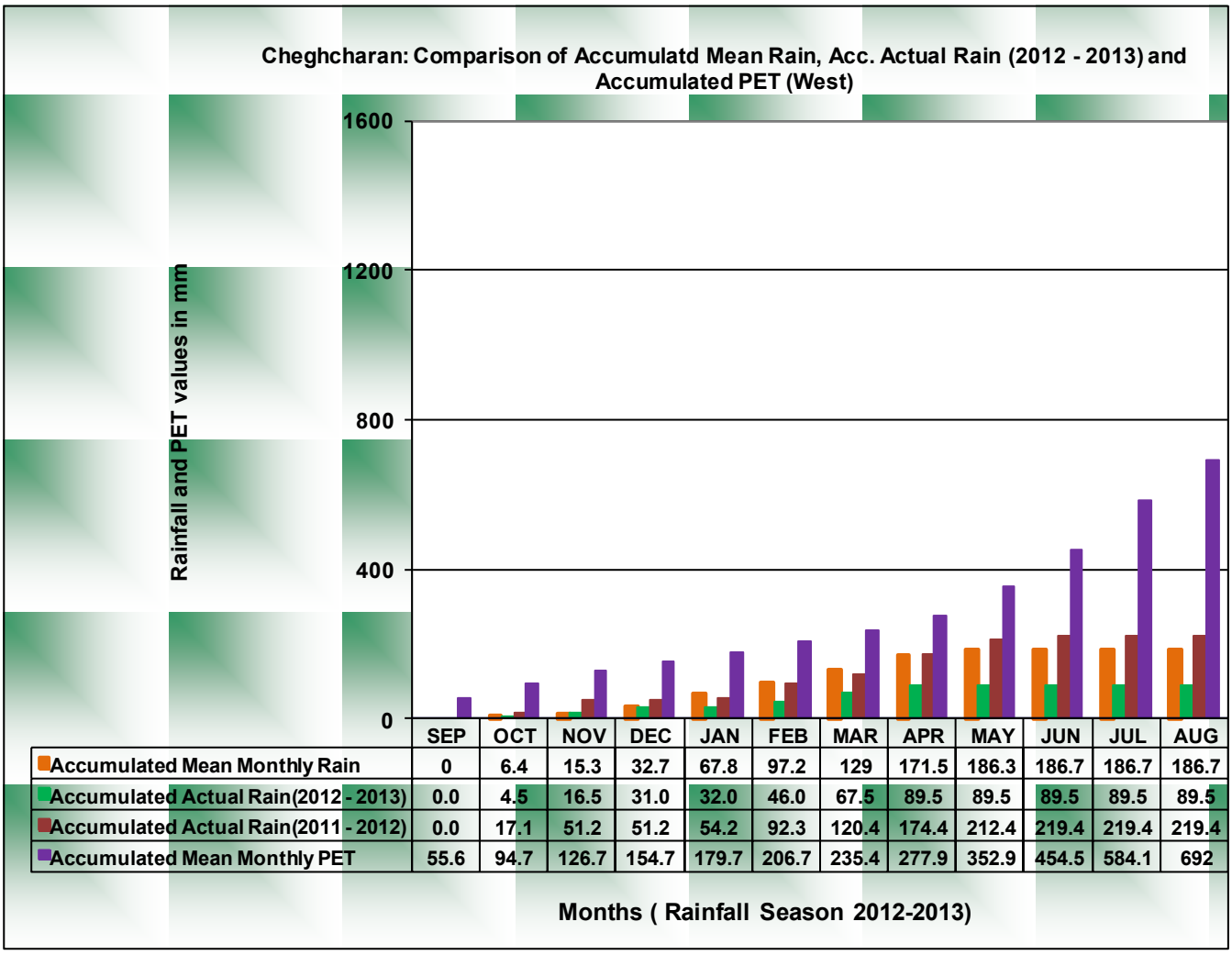

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 33 | 40 | 50 | 72 | 87 | 126 | 181 | 257 | 297 | 314 | 396 | 448 |
| Accumulated Actual Rain(2012 - 2013) | 14.0 | 20.4 | 20.4 | 70.6 | 76.8 | 121.4 | 180.0 | 223.4 | 253.6 | 282.8 | 327.6 | 417.3 |
| Accumulated Actual Rain(2011 - 2012) | 14.0 | 94.0 | 96.0 | 96.0 | 117.0 | 145.0 | 174.0 | 296.0 | 296.0 | 296.0 | 391.0 | 485.4 |
| Accumulated Mean Monthly PET | 127 | 219 | 261 | 289 | 317 | 357 | 436 | 545 | 707 | 898 | 1062 | 1205 |



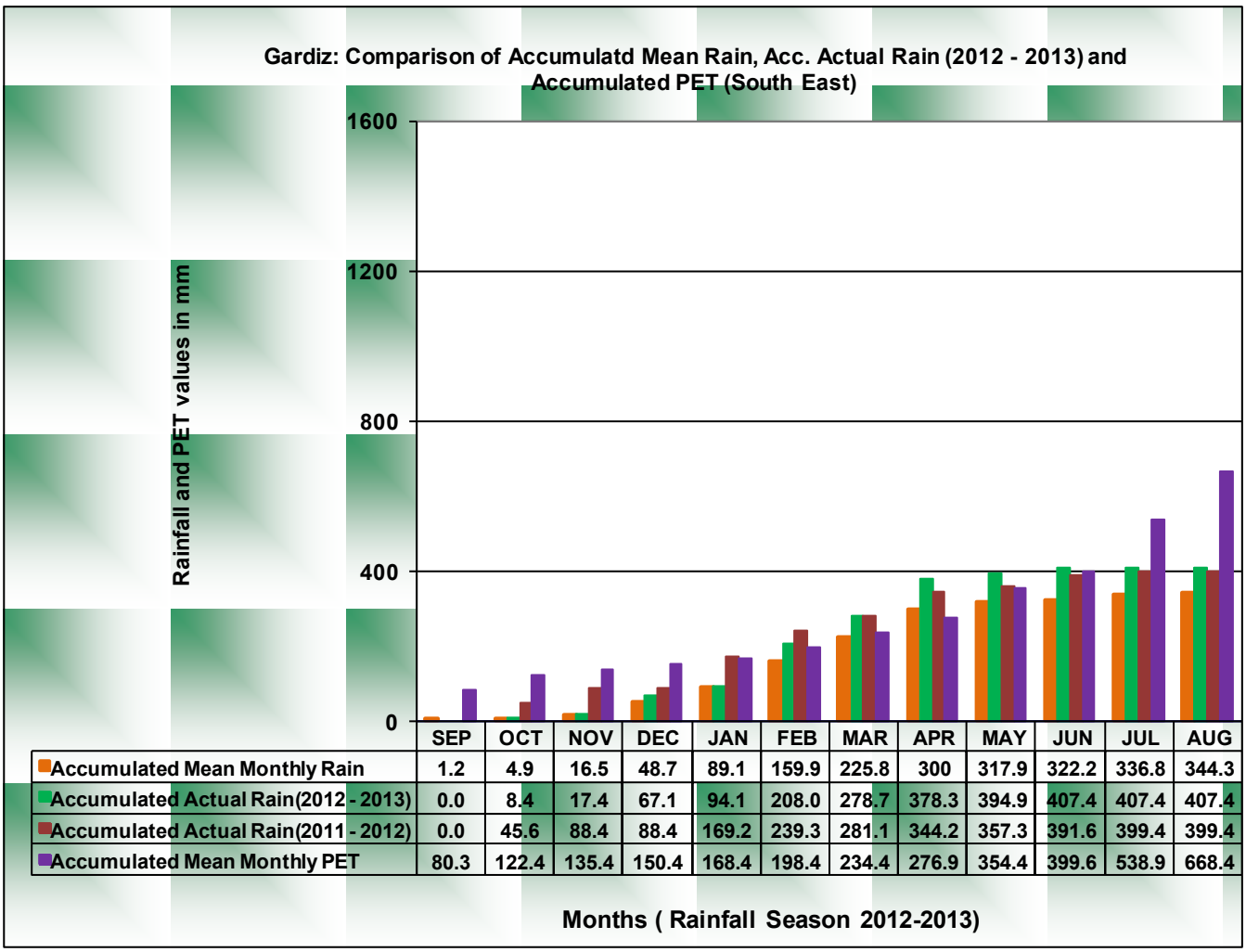

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 4 | 16 | 30 | 73 | 116 | 141 | 178 | 308 | 327 | 330 | 332 | 334 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 0.0 | 25.0 | 60.0 | 60.0 | 118.0 | 144.0 | 183.0 | 187.0 | 187.0 | 187.0 | 187.0 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 7.0 | 11.0 | 11.0 | 33.0 | 86.0 | 108.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| Accumulated Mean Monthly PET | 92.7 | 144.4 | 157.6 | 168.6 | 183.6 | 204.6 | 227 | 272.4 | 357.3 | 485.8 | 636 | 775 |



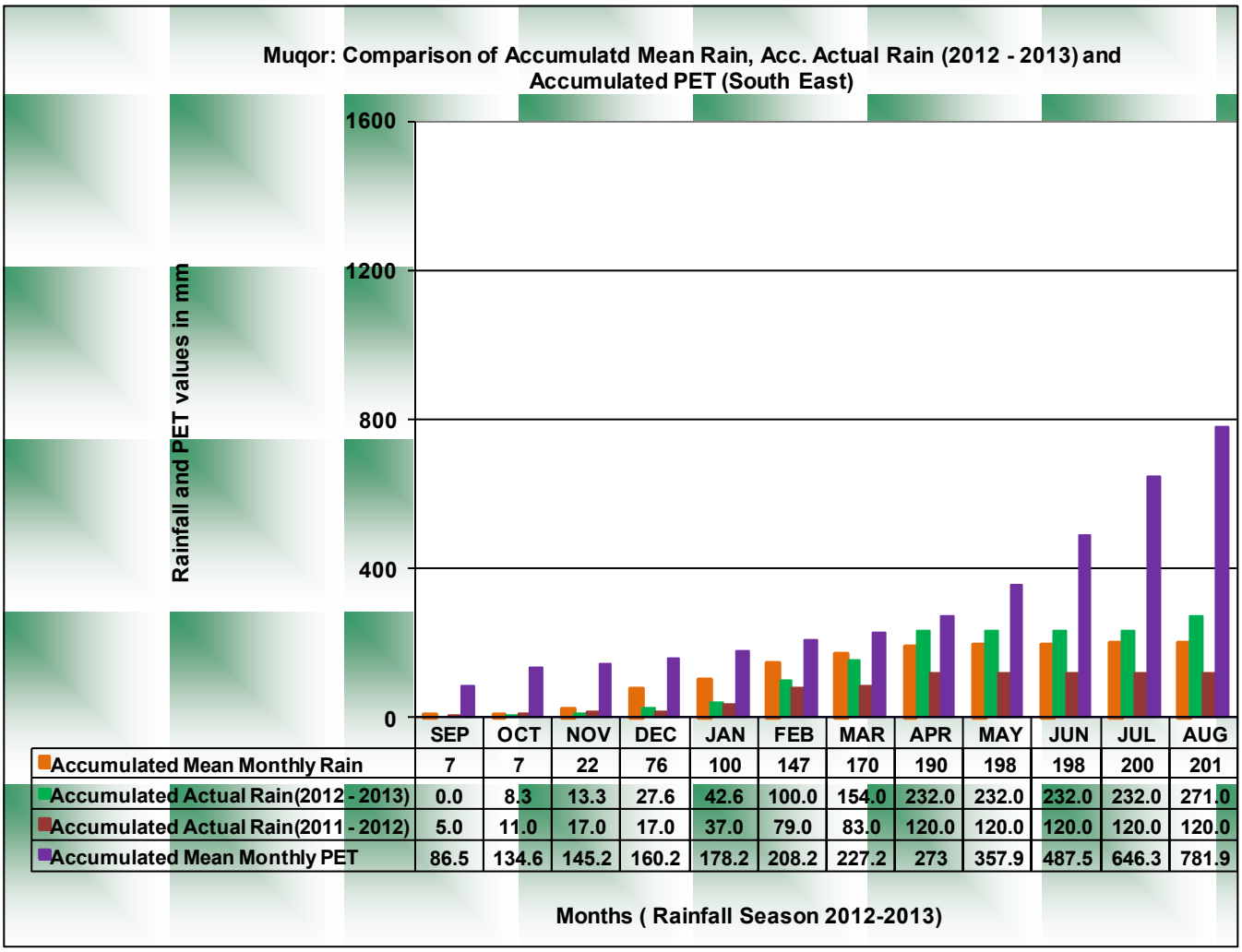

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 11.3 | 16.3 | 23.3 | 44.8 | 69.1 | 104.6 | 158.7 | 225.6 | 247.3 | 251.3 | 256.7 | 261.1 |
| Accumulated Actual Rain(2012 - 2013) | 12.0 | 17.2 | 21.2 | 66.8 | 72.4 | 190.8 | 253.6 | 259.6 | 259.6 | 268.8 | 328.8 | 333.8 |
| Accumulated Actual Rain(2011 - 2012) | 12.0 | 39.0 | 45.0 | 46.0 | 60.0 | 99.0 | 117.0 | 140.0 | 148.6 | 148.6 | 191.6 | 191.6 |
| Accumulated Mean Monthly PET | 132.9 | 208.1 | 236.5 | 244.4 | 249.8 | 261.7 | 300 | 365.4 | 499.3 | 699 | 912.5 | 1103.1 |



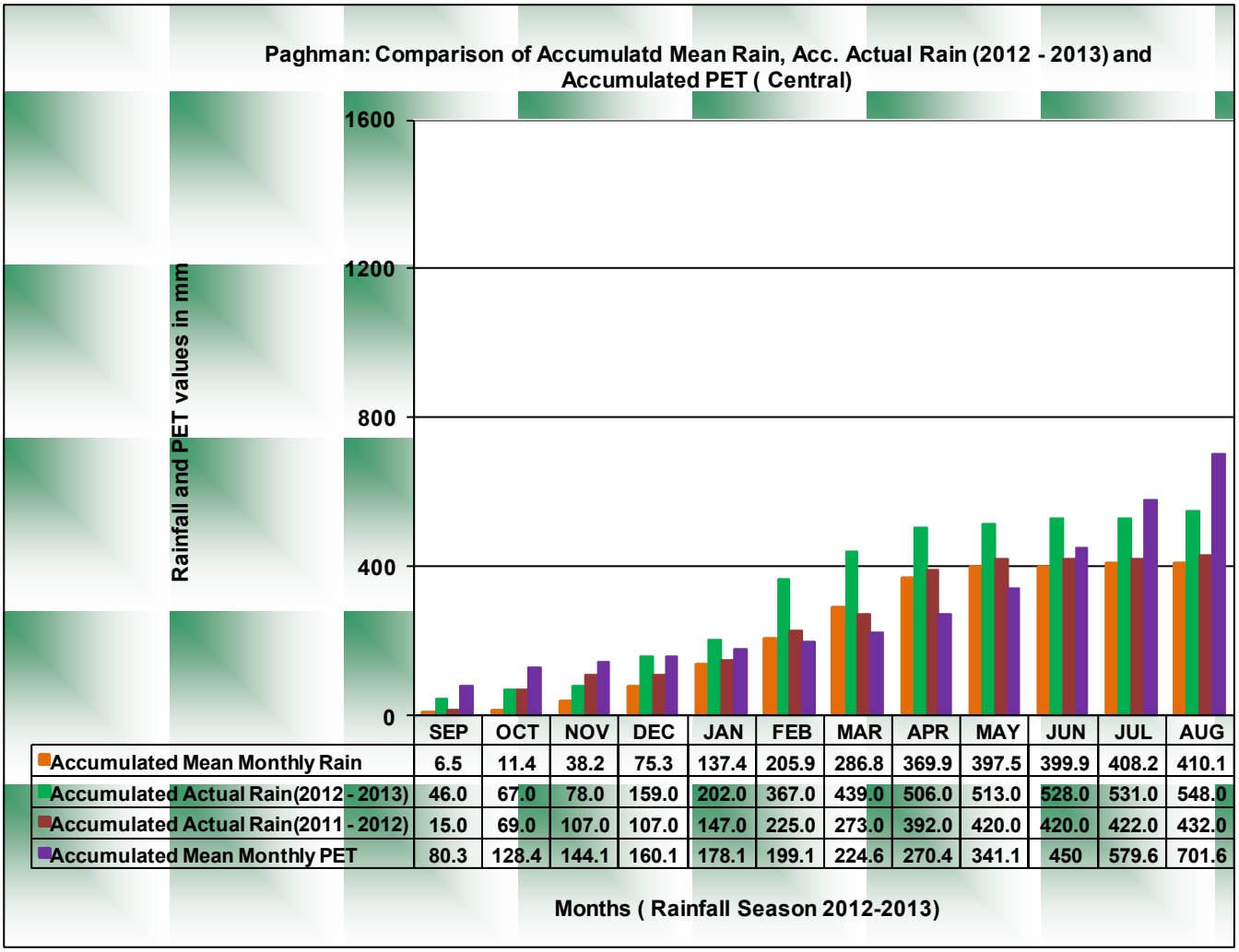

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 0 | 6.4 | 15.3 | 32.7 | 67.8 | 97.2 | 129 | 171.5 | 186.3 | 186.7 | 186.7 | 186.7 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 4.5 | 16.5 | 31.0 | 32.0 | 46.0 | 67.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 17.1 | 51.2 | 51.2 | 54.2 | 92.3 | 120.4 | 174.4 | 212.4 | 219.4 | 219.4 | 219.4 |
| Accumulated Mean Monthly PET | 55.6 | 94.7 | 126.7 | 154.7 | 179.7 | 206.7 | 235.4 | 277.9 | 352.9 | 454.5 | 584.1 | 692 |



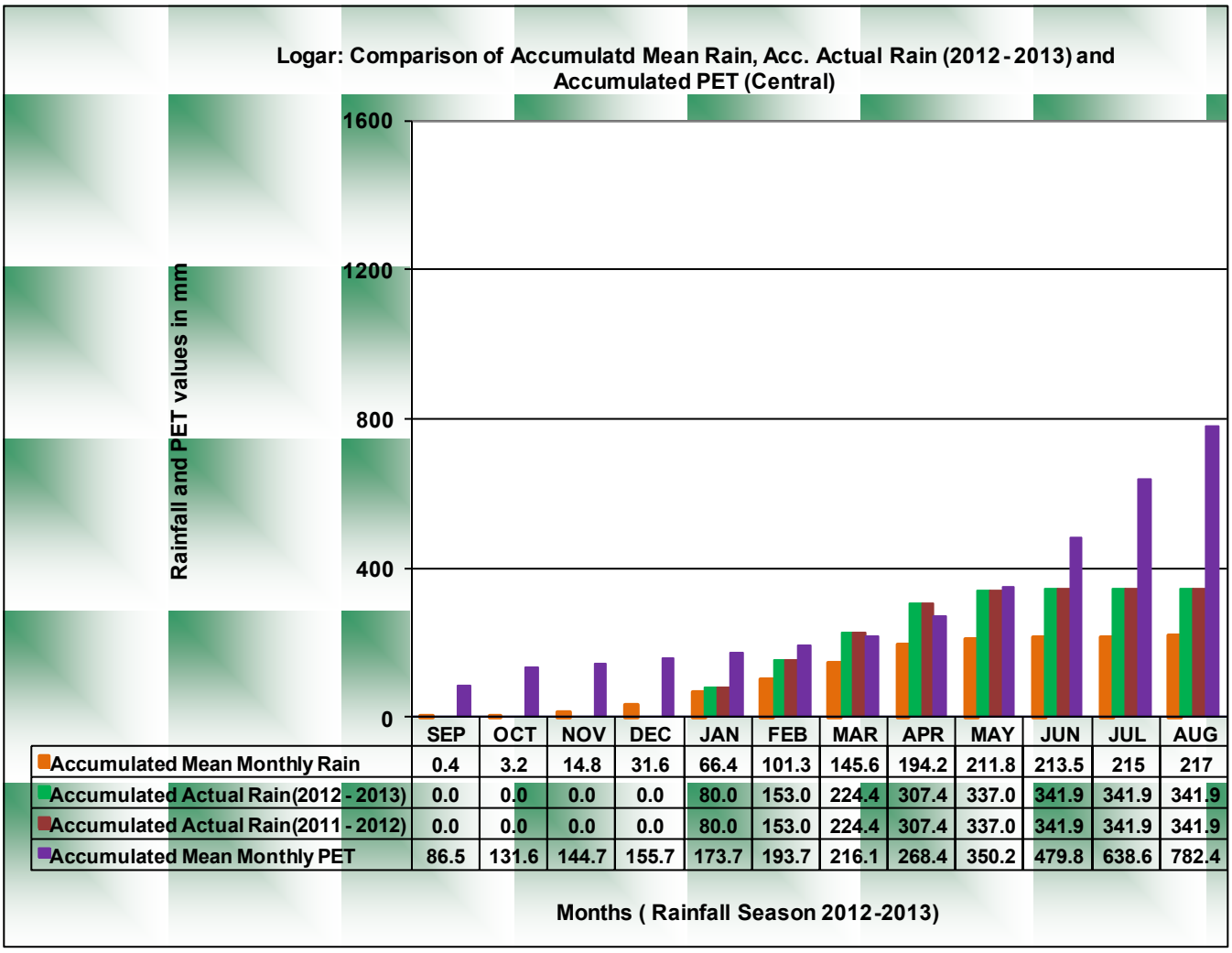

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 1.2 | 4.9 | 16.5 | 48.7 | 89.1 | 159.9 | 225.8 | 300 | 317.9 | 322.2 | 336.8 | 344.3 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 8.4 | 17.4 | 67.1 | 94.1 | 208.0 | 278.7 | 378.3 | 394.9 | 407.4 | 407.4 | 407.4 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 45.6 | 88.4 | 88.4 | 169.2 | 239.3 | 281.1 | 344.2 | 357.3 | 391.6 | 399.4 | 399.4 |
| Accumulated Mean Monthly PET | 80.3 | 122.4 | 135.4 | 150.4 | 168.4 | 198.4 | 234.4 | 276.9 | 354.4 | 399.6 | 538.9 | 668.4 |




| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 7 | 7 | 22 | 76 | 100 | 147 | 170 | 190 | 198 | 198 | 200 | 201 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 8.3 | 13.3 | 27.6 | 42.6 | 100.0 | 154.0 | 232.0 | 232.0 | 232.0 | 232.0 | 271.0 |
| Accumulated Actual Rain(2011 - 2012) | 5.0 | 11.0 | 17.0 | 17.0 | 37.0 | 79.0 | 83.0 | 120.0 | 120.0 | 120.0 | 120.0 | 120.0 |
| Accumulated Mean Monthly PET | 86.5 | 134.6 | 145.2 | 160.2 | 178.2 | 208.2 | 227.2 | 273 | 357.9 | 487.5 | 646.3 | 781.9 |

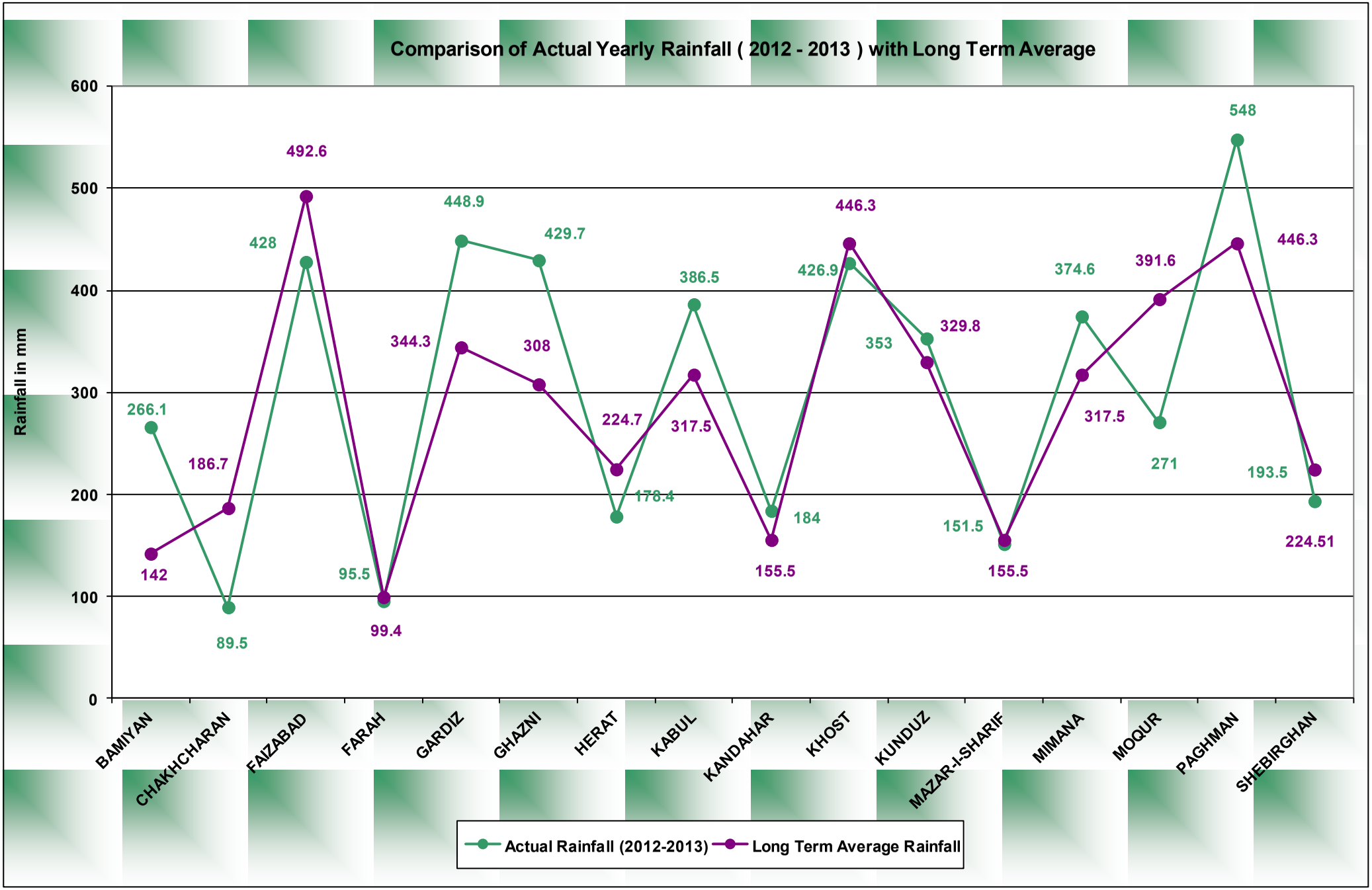



| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 6.5 | 11.4 | 38.2 | 75.3 | 137.4 | 205.9 | 286.8 | 369.9 | 397.5 | 399.9 | 408.2 | 410.1 |
| Accumulated Actual Rain(2012 - 2013) | 46.0 | 67.0 | 78.0 | 159.0 | 202.0 | 367.0 | 439.0 | 506.0 | 513.0 | 528.0 | 531.0 | 548.0 |
| Accumulated Actual Rain(2011 - 2012) | 15.0 | 69.0 | 107.0 | 107.0 | 147.0 | 225.0 | 273.0 | 392.0 | 420.0 | 420.0 | 422.0 | 432.0 |
| Accumulated Mean Monthly PET | 80.3 | 128.4 | 144.1 | 160.1 | 178.1 | 199.1 | 224.6 | 270.4 | 341.1 | 450 | 579.6 | 701.6 |

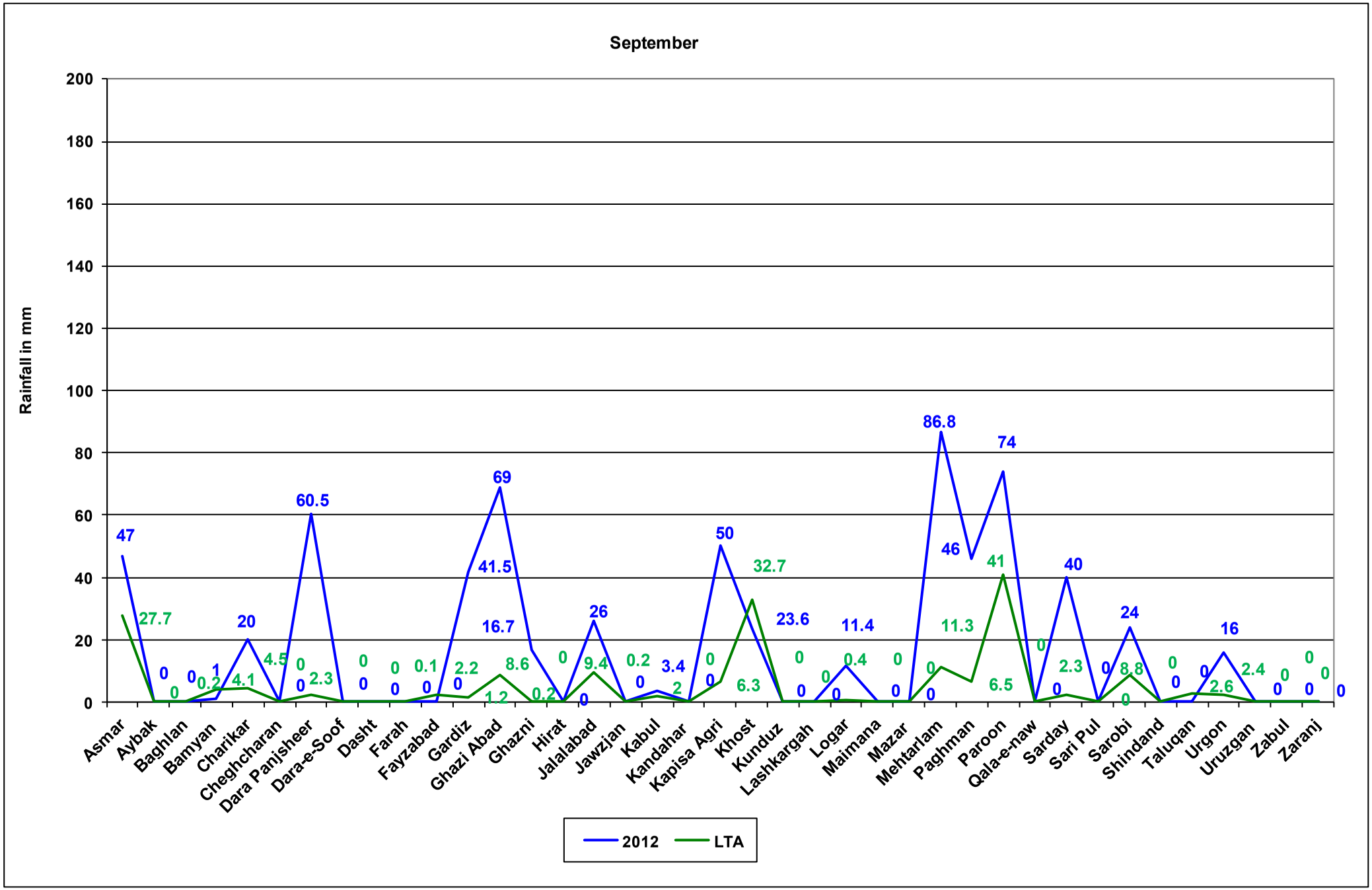


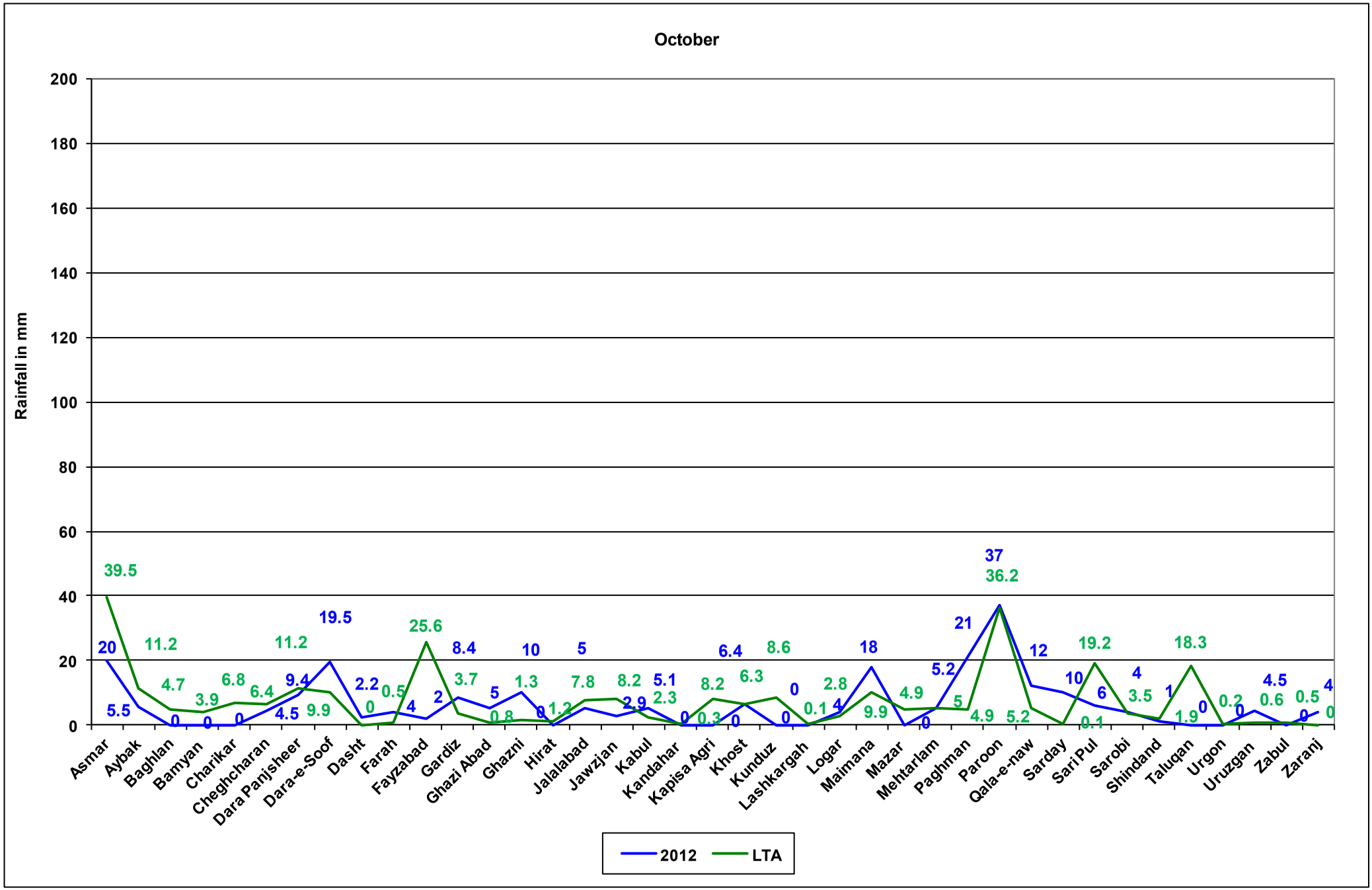

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accumulated Mean Monthly Rain | 0.4 | 3.2 | 14.8 | 31.6 | 66.4 | 101.3 | 145.6 | 194.2 | 211.8 | 213.5 | 215 | 217 |
| Accumulated Actual Rain(2012 - 2013) | 0.0 | 0.0 | 0.0 | 0.0 | 80.0 | 153.0 | 224.4 | 307.4 | 337.0 | 341.9 | 341.9 | 341.9 |
| Accumulated Actual Rain(2011 - 2012) | 0.0 | 0.0 | 0.0 | 0.0 | 80.0 | 153.0 | 224.4 | 307.4 | 337.0 | 341.9 | 341.9 | 341.9 |
| Accumulated Mean Monthly PET | 86.5 | 131.6 | 144.7 | 155.7 | 173.7 | 193.7 | 216.1 | 268.4 | 350.2 | 479.8 | 638.6 | 782.4 |

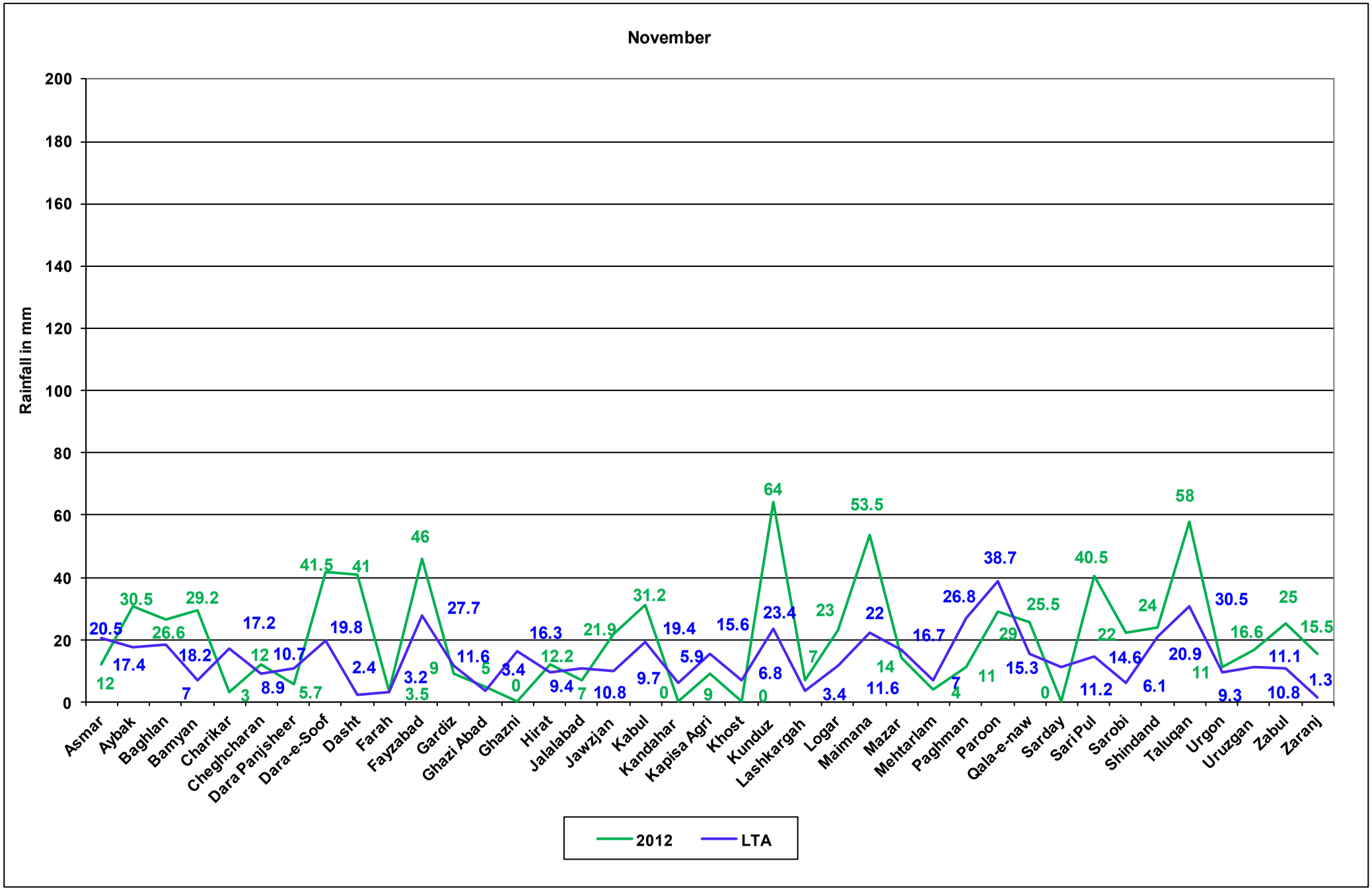
# Seasonal Rainfall in mm for (2012- 2013) Season
# Compared to
# Long-Term Average

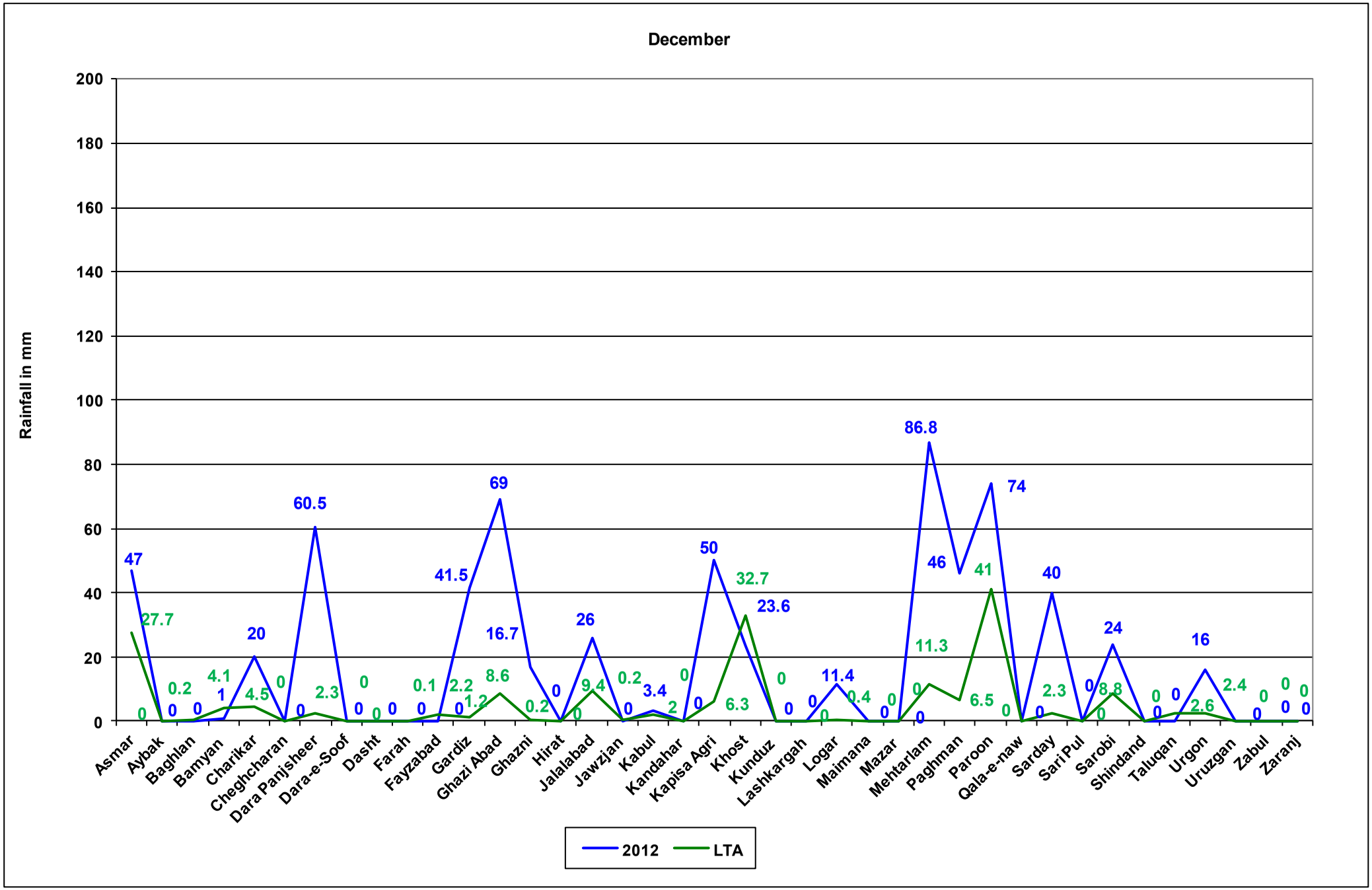

Comparison of Actual Yearly Rainfall ( 2012 - 2013 ) with Long Term Average
Rainfall in mm
600
500
400
300
200
100
0
266.1
142
186.7
89.5
428
492.6
95.5
99.4
448.9
344.3
429.7
308
224.7
178.4
386.5
317.5
184
155.5
426.9
446.3
353
329.8
151.5
155.5
374.6
317.5
271
391.6
548
446.3
193.5
224.51
BAMIYAN
CHAKHCHARAN
FAIZABAD
FARAH
GARDIZ
GHAZNI
HERAT
KABUL
KANDAHAR
KHOST
KUNDUZ
MAZAR-I-SHARIF
MIMANA
MOQUR
PAGHMAN
SHEBIRGHAN
Actual Rainfall (2012-2013)
Long Term Average Rainfall

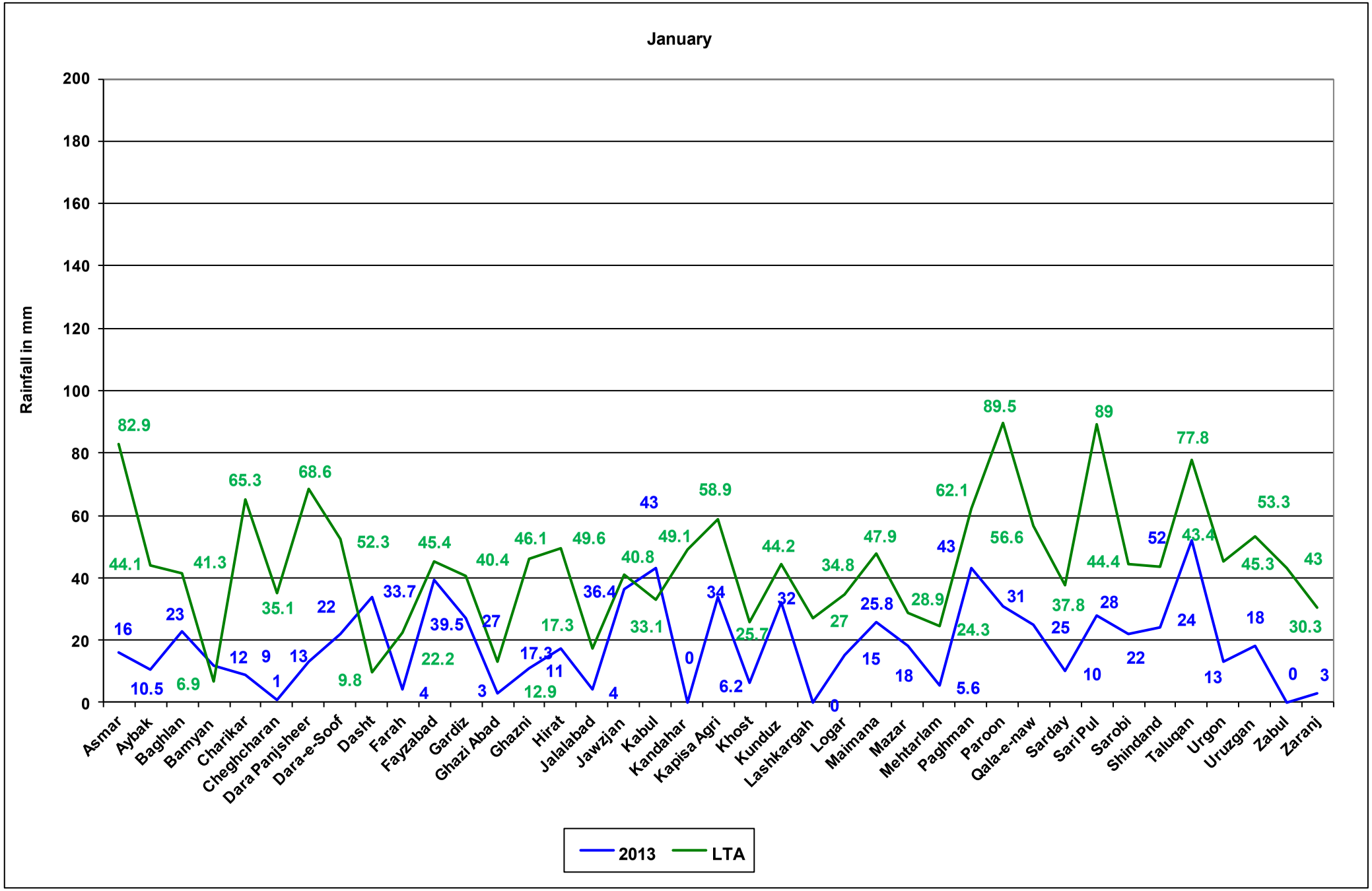
# Monthly Rainfall Comparison
# With
# Long Term Average

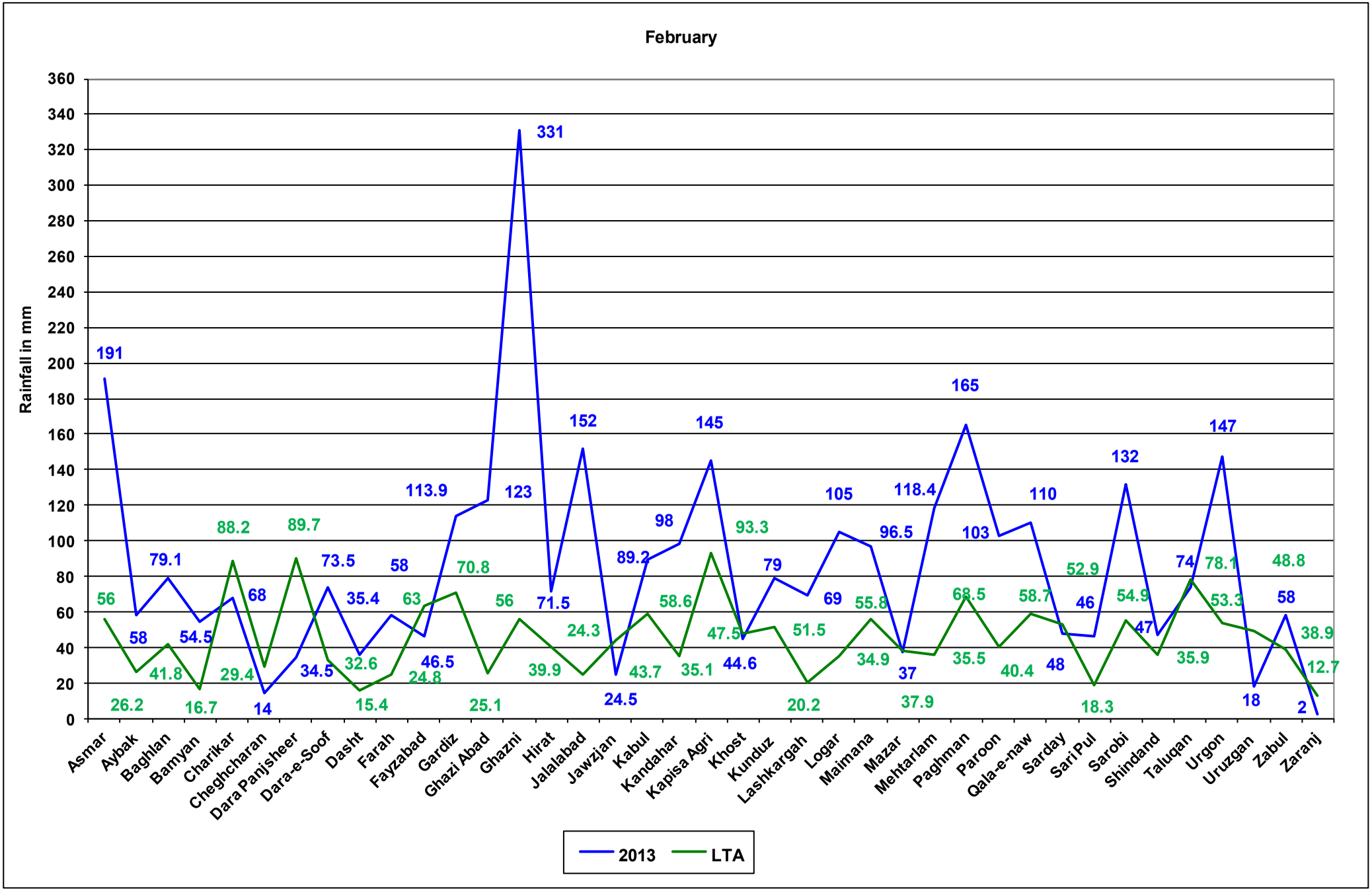

September
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zarani
2012
LTA

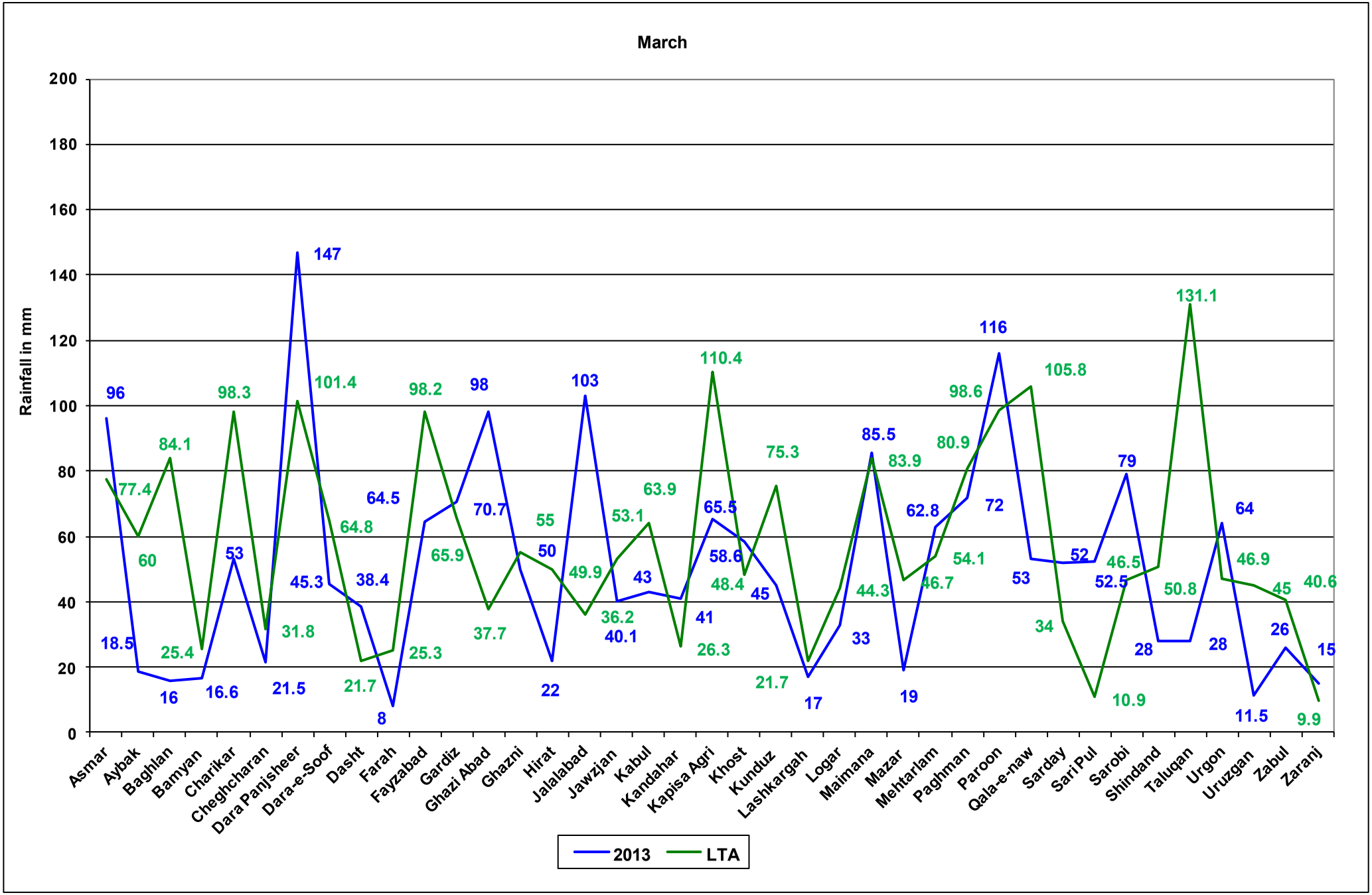

October
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zaranj
2012
LTA

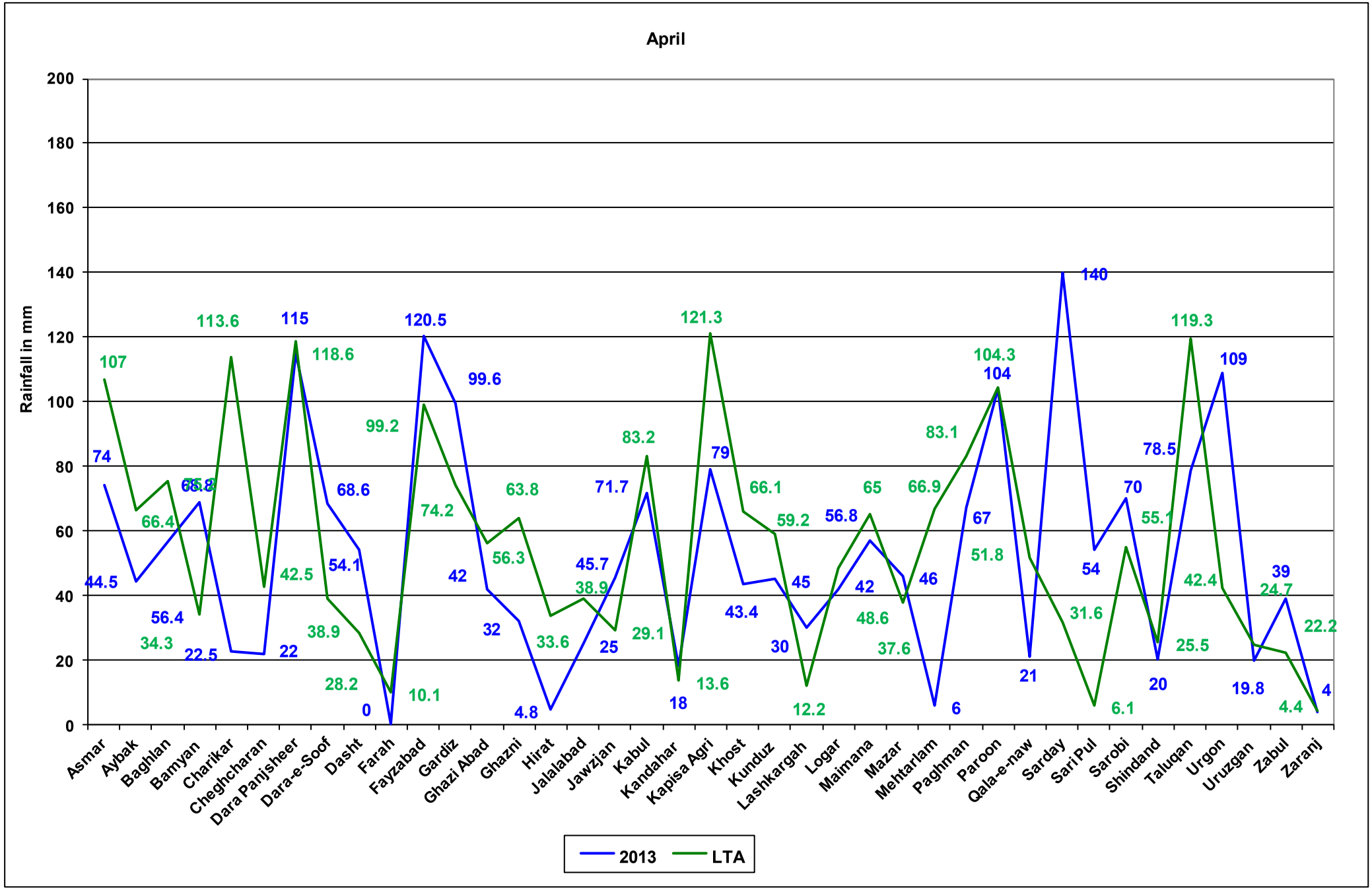

November
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zaranj
2012
LTA

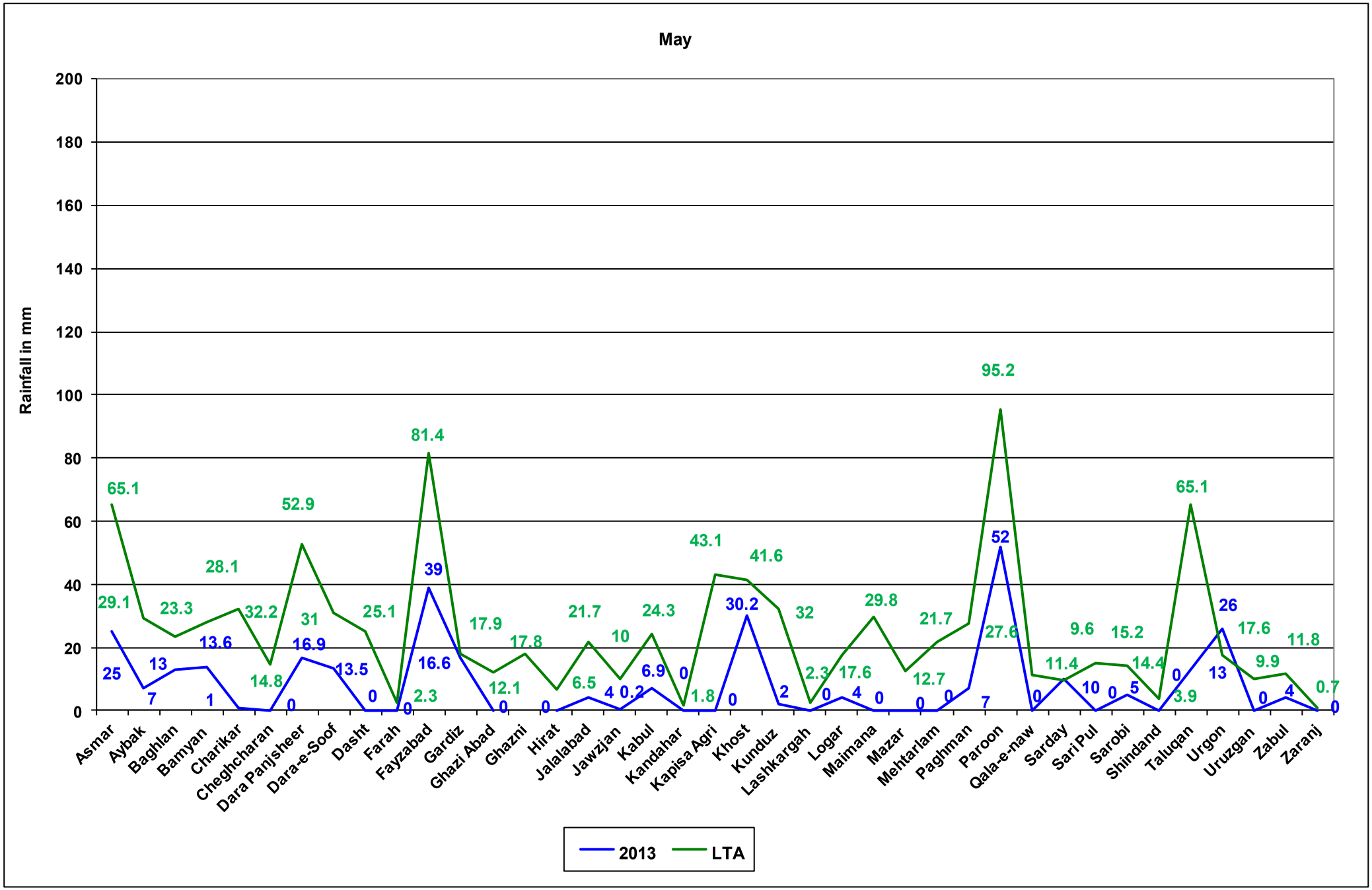

December
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zaranj
2012
LTA

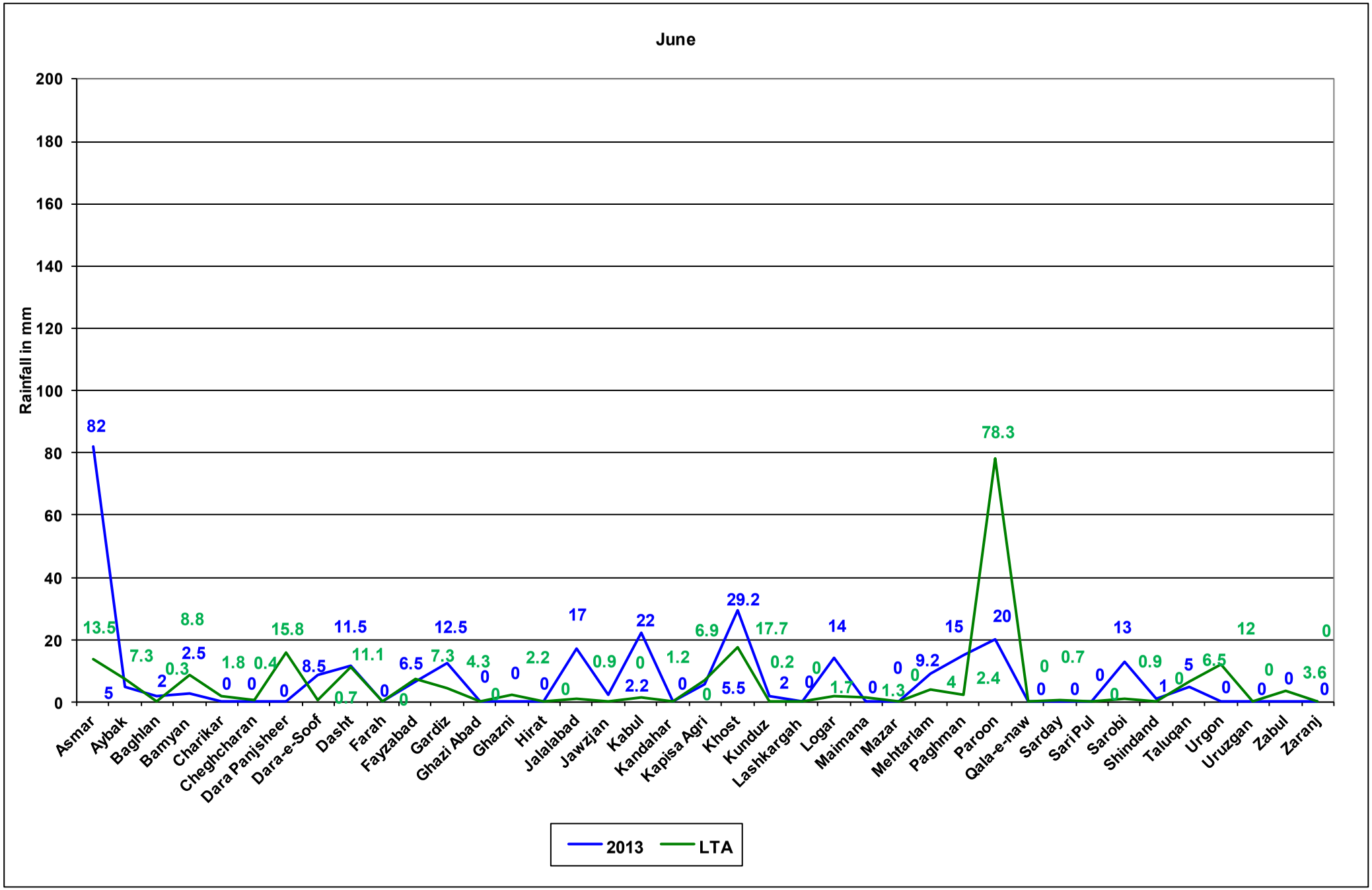

January
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zaranj
2013
LTA

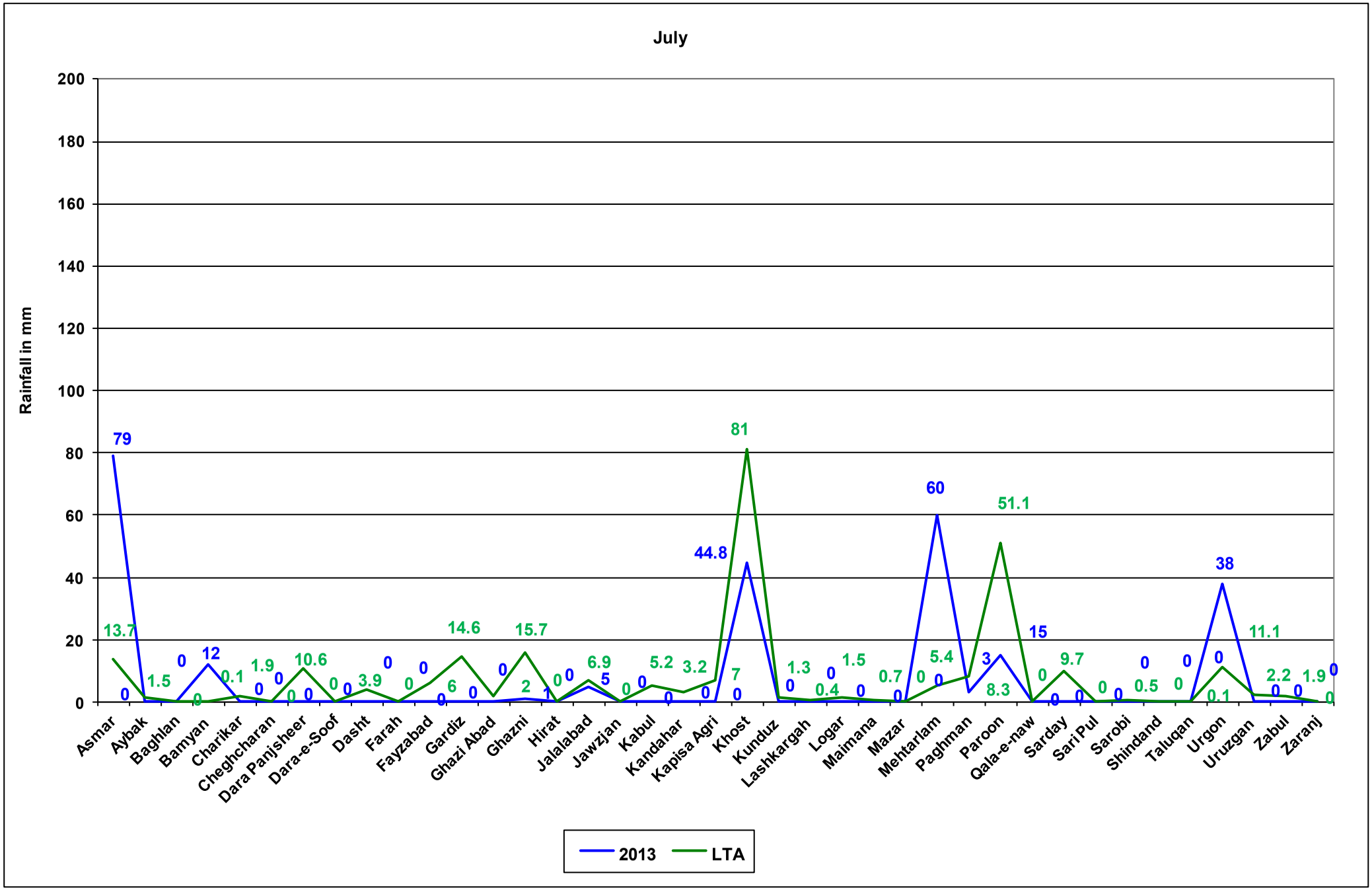

February
Rainfall in mm
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zaranj
2013
LTA

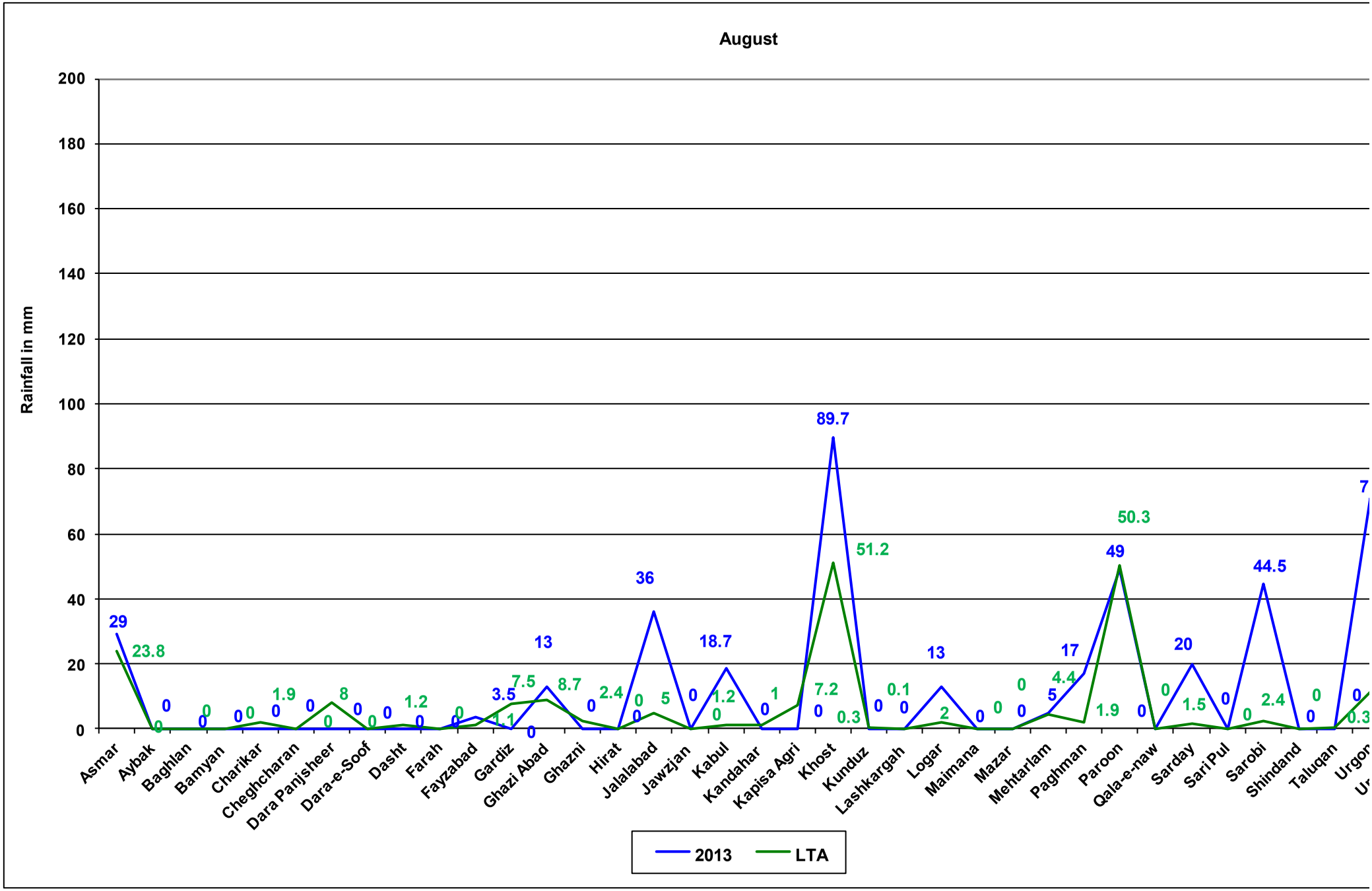

March
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zaranj
96
18.5
16
16.6
53
21.5
147
45.3
38.4
21.7
8
64.5
98
70.7
22
103
40.1
43
41
65.5
58.6
45
17
33
85.5
19
62.8
72
116
53
52
52.5
79
28
28
64
11.5
26
15
77.4
60
25.4
84.1
98.3
31.8
101.4
64.8
21.7
36.2
25.3
98.2
65.9
37.7
55
50
49.9
53.1
63.9
26.3
110.4
48.4
21.7
75.3
44.3
83.9
46.7
54.1
80.9
98.6
105.8
34
10.9
46.5
50.8
131.1
46.9
45
9.9
40.6
2013
LTA


April
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zaranj
2013
LTA


May
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zaranj
29.1
25
65.1
7
23.3
13
28.1
13.6
1
32.2
14.8
52.9
0
31
16.9
25.1
13.5
0
81.4
0
39
16.6
2.3
17.9
12.1
0
17.8
0
21.7
6.5
10
4
24.3
0.2
6.9
43.1
0
1.8
41.6
30.2
0
32
2
2.3
0
17.6
29.8
4
0
21.7
12.7
0
0
95.2
52
27.6
7
0
11.4
9.6
10
15.2
0
5
14.4
65.1
0
3.9
26
13
17.6
9.9
0
4
11.8
0.7
0
2013
LTA


June
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zaranj
2013
LTA

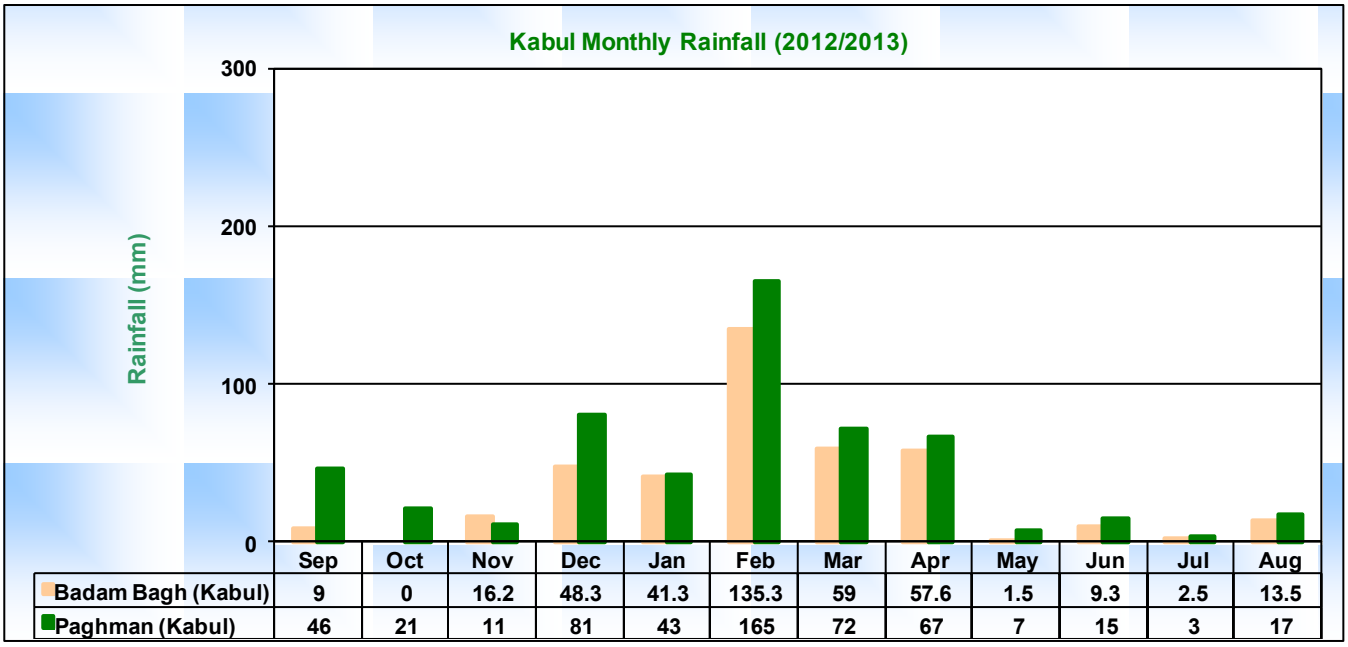

July
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
Urgon
Uruzgan
Zabul
Zaranj
2013
LTA


August
Rainfall in mm
200
180
160
140
120
100
80
60
40
20
0
Asmar
Aybak
Baghlan
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Dara-e-Soof
Dasht
Farah
Fayzabad
Gardiz
Ghazi Abad
Ghazni
Hirat
Jalalabad
Jawzjan
Kabul
Kandahar
Kapisa Agri
Khost
Kunduz
Lashkargah
Logar
Maimana
Mazar
Mehtarlam
Paghman
Paroon
Qala-e-naw
Sarday
Sari Pul
Sarobi
Shindand
Taluqan
2013
LTA

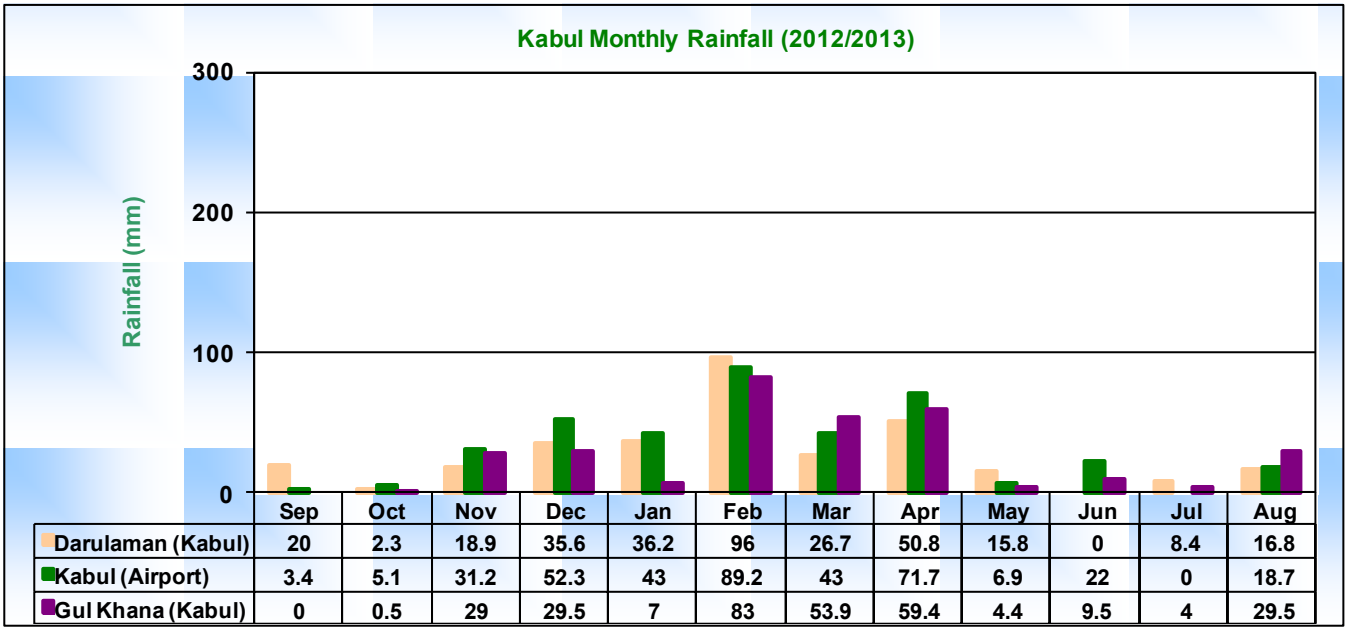
# Dekadal Rainfall in mm Graphs for (2012-2013) Season By Region

# Dekadal Rainfall Graphs by Region

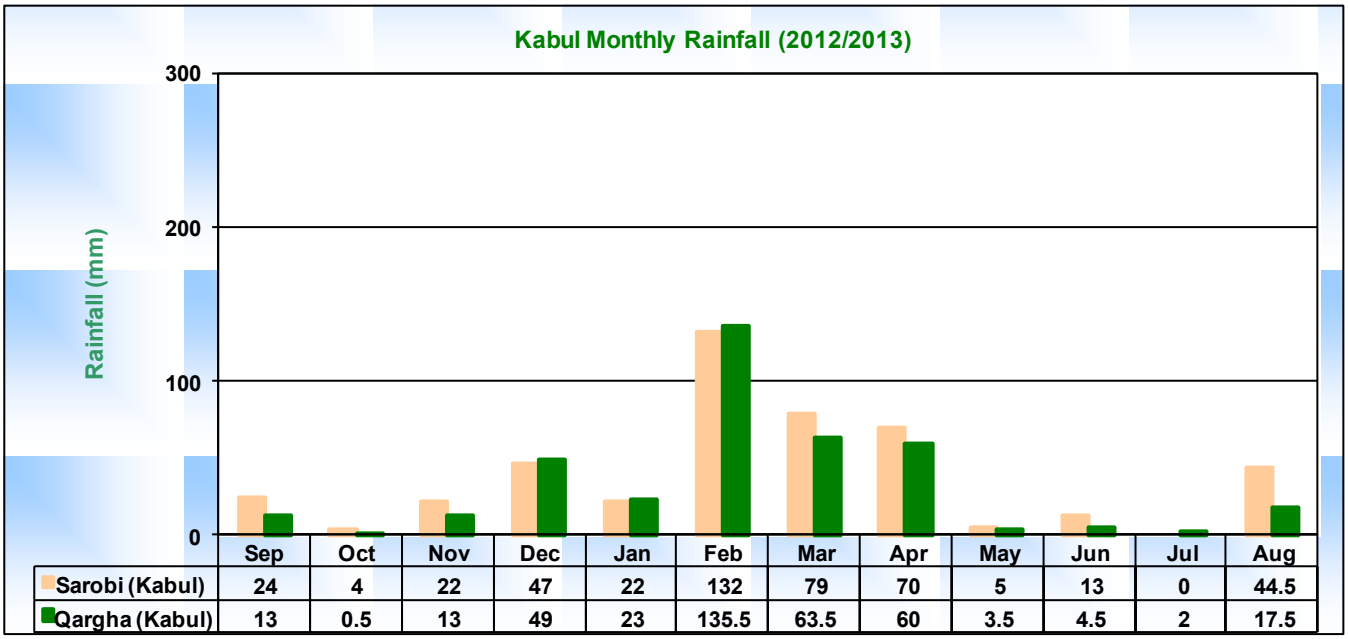
## Capital Region



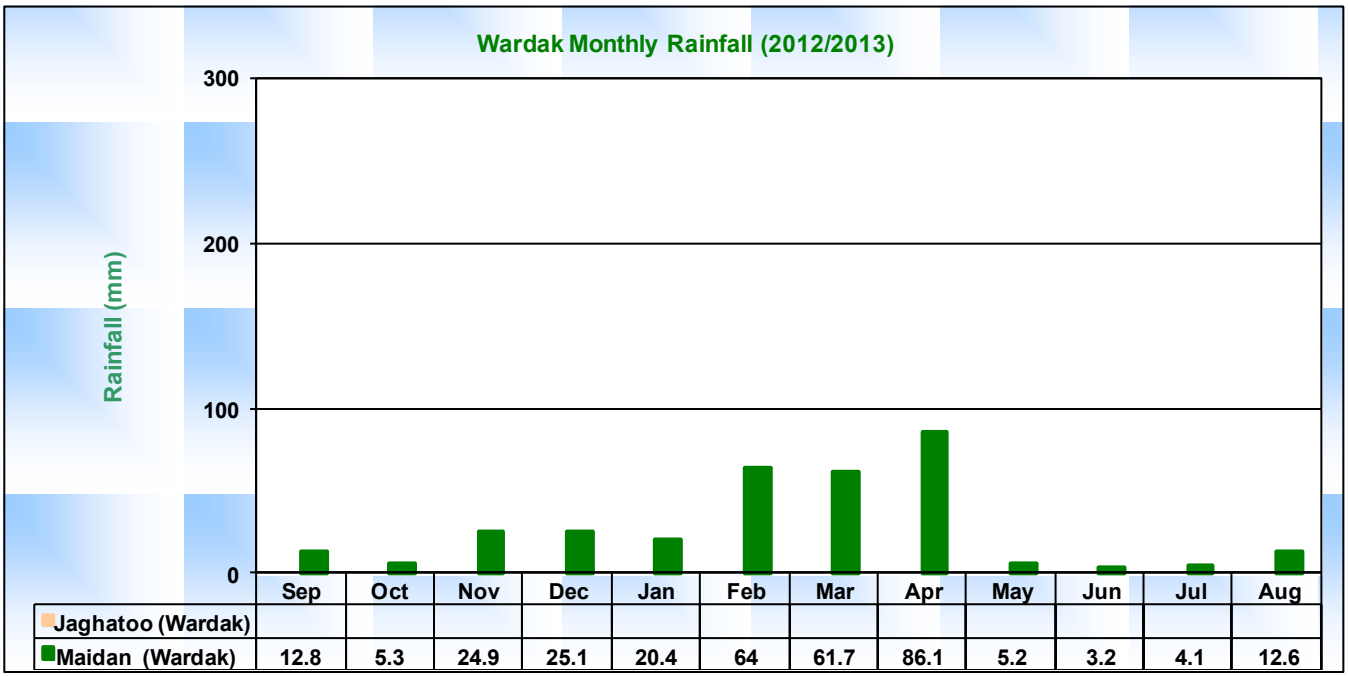

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Badam Bagh (Kabul) | 9 | 0 | 16.2 | 48.3 | 41.3 | 135.3 | 59 | 57.6 | 1.5 | 9.3 | 2.5 | 13.5 |
| Paghman (Kabul) | 46 | 21 | 11 | 81 | 43 | 165 | 72 | 67 | 7 | 15 | 3 | 17 |



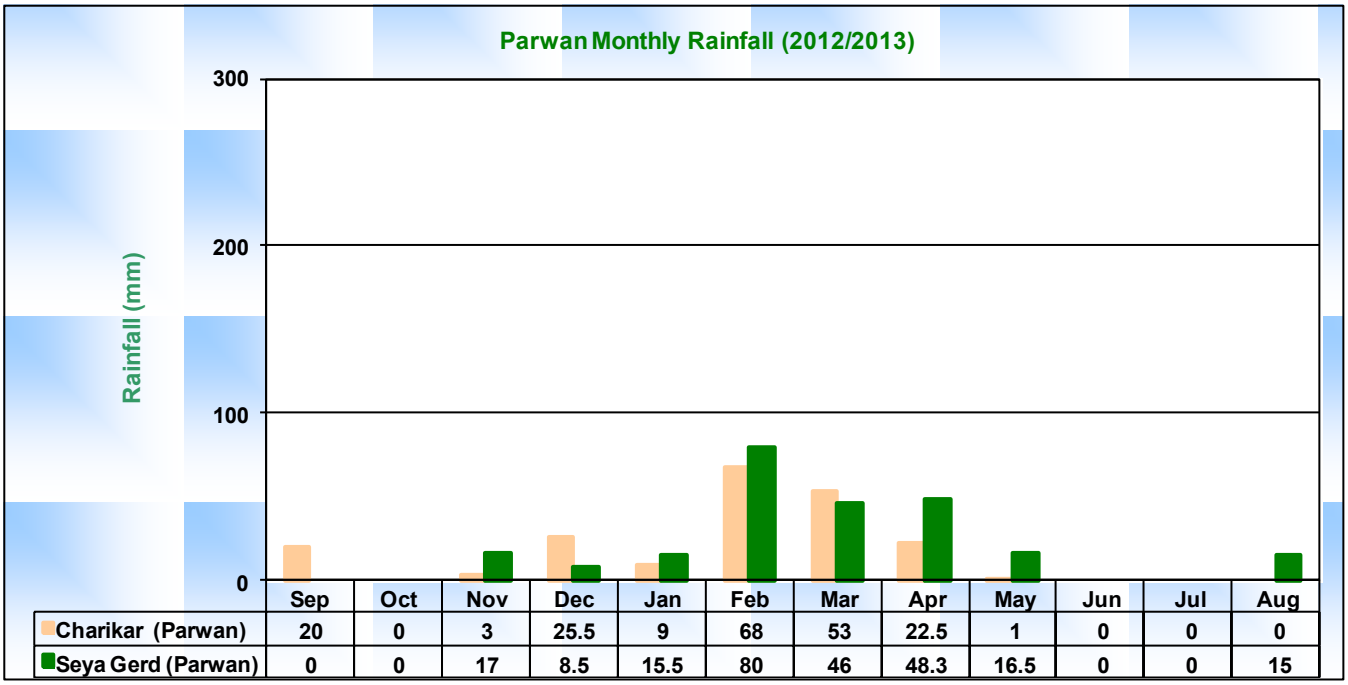

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Darulaman (Kabul) | 20 | 2.3 | 18.9 | 35.6 | 36.2 | 96 | 26.7 | 50.8 | 15.8 | 0 | 8.4 | 16.8 |
| Kabul (Airport) | 3.4 | 5.1 | 31.2 | 52.3 | 43 | 89.2 | 43 | 71.7 | 6.9 | 22 | 0 | 18.7 |
| Gul Khana (Kabul) | 0 | 0.5 | 29 | 29.5 | 7 | 83 | 53.9 | 59.4 | 4.4 | 9.5 | 4 | 29.5 |



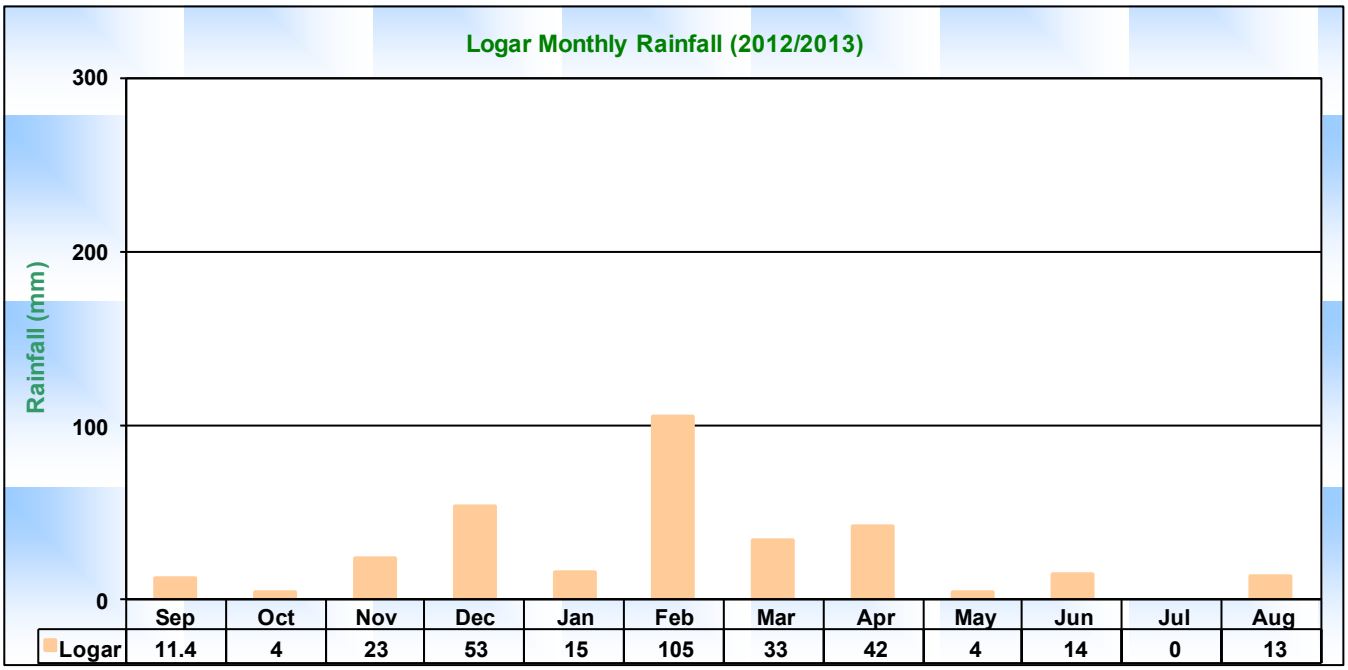

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sarobi (Kabul) | 24 | 4 | 22 | 47 | 22 | 132 | 79 | 70 | 5 | 13 | 0 | 44.5 |
| Qargha (Kabul) | 13 | 0.5 | 13 | 49 | 23 | 135.5 | 63.5 | 60 | 3.5 | 4.5 | 2 | 17.5 |



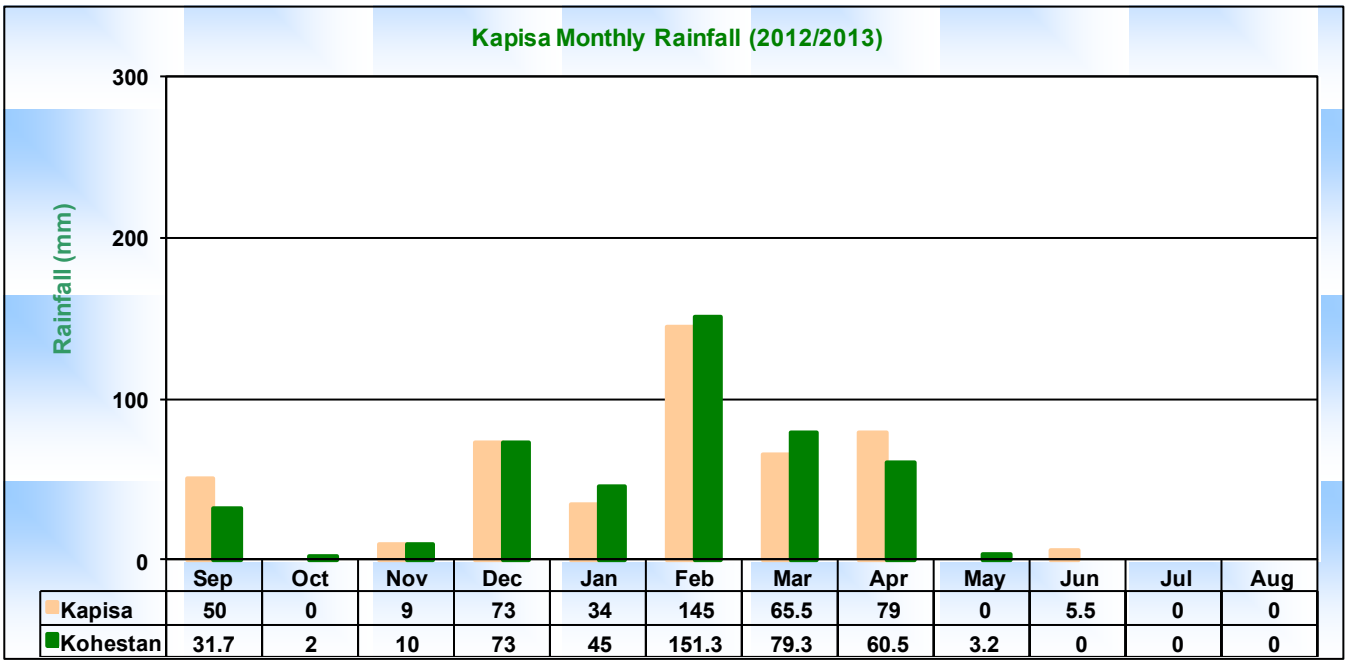

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jaghatoo (Wardak) | | | | | | | | | | | | |
| Maidan (Wardak) | 12.8 | 5.3 | 24.9 | 25.1 | 20.4 | 64 | 61.7 | 86.1 | 5.2 | 3.2 | 4.1 | 12.6 |



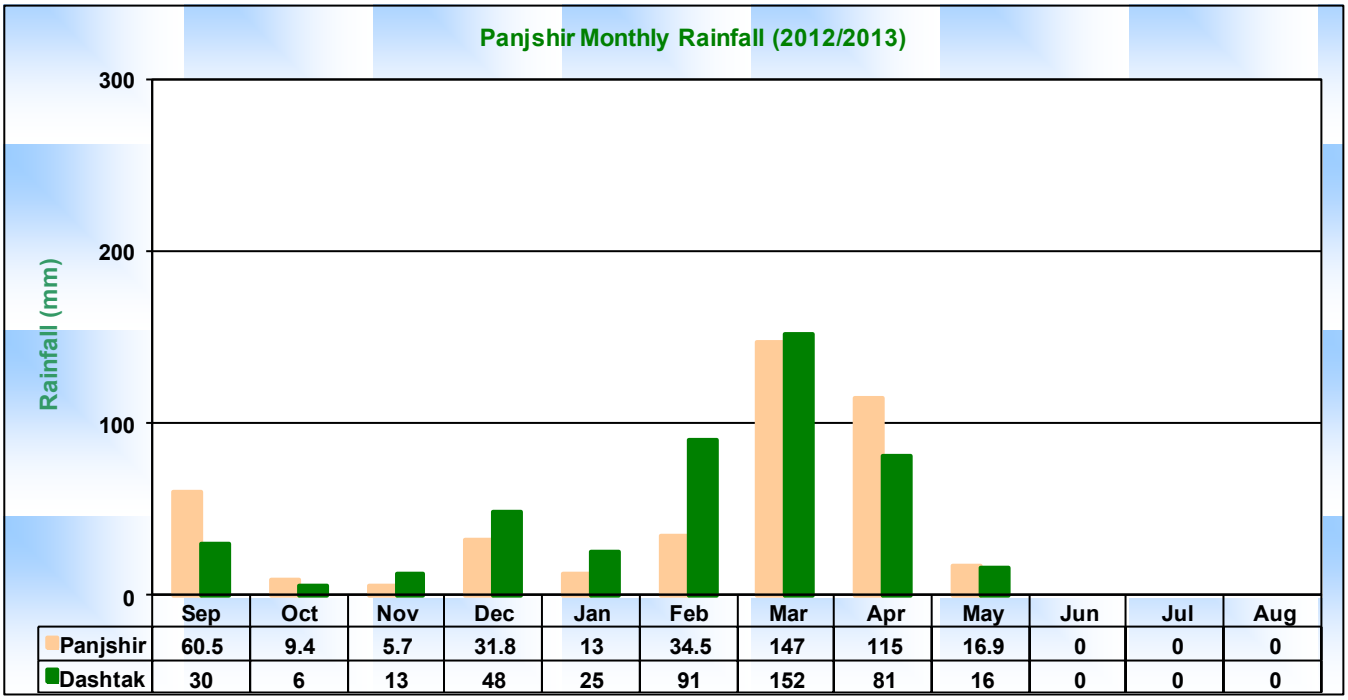

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Charikar (Parwan) | 20 | 0 | 3 | 25.5 | 9 | 68 | 53 | 22.5 | 1 | 0 | 0 | 0 |
| Seya Gerd (Parwan) | 0 | 0 | 17 | 8.5 | 15.5 | 80 | 46 | 48.3 | 16.5 | 0 | 0 | 15 |



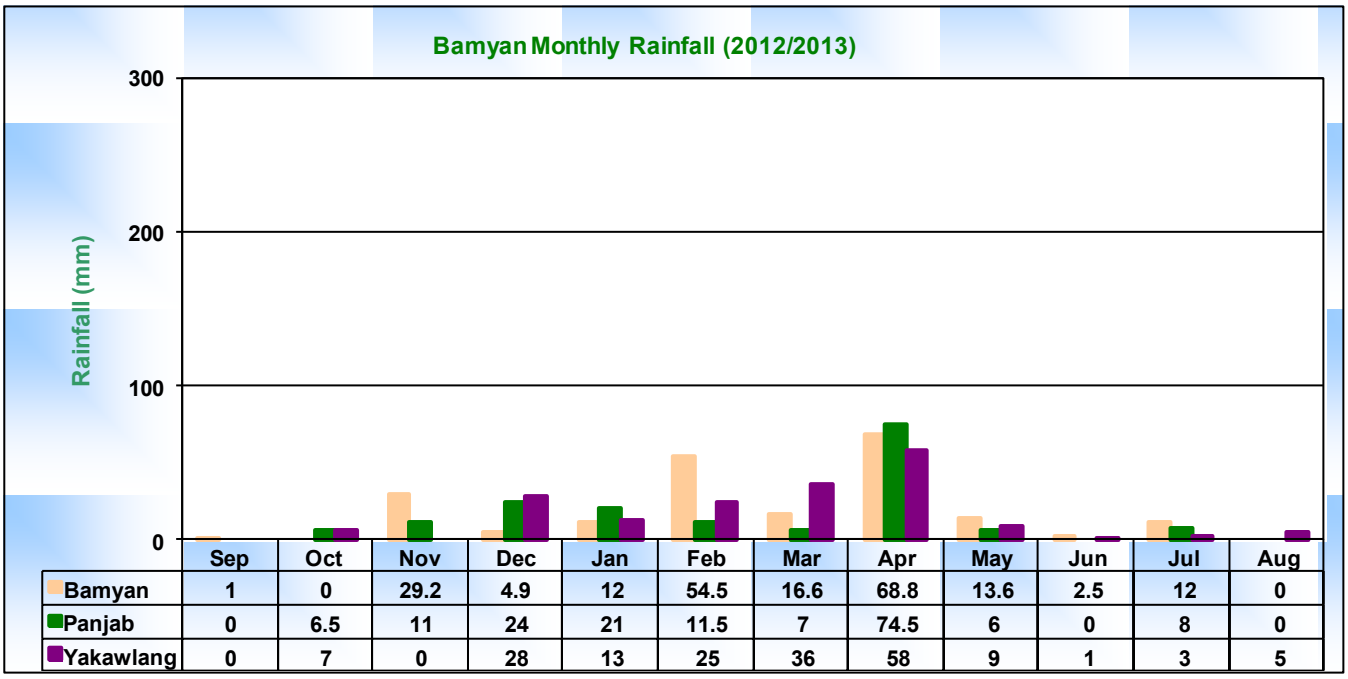

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Logar | 11.4 | 4 | 23 | 53 | 15 | 105 | 33 | 42 | 4 | 14 | 0 | 13 |



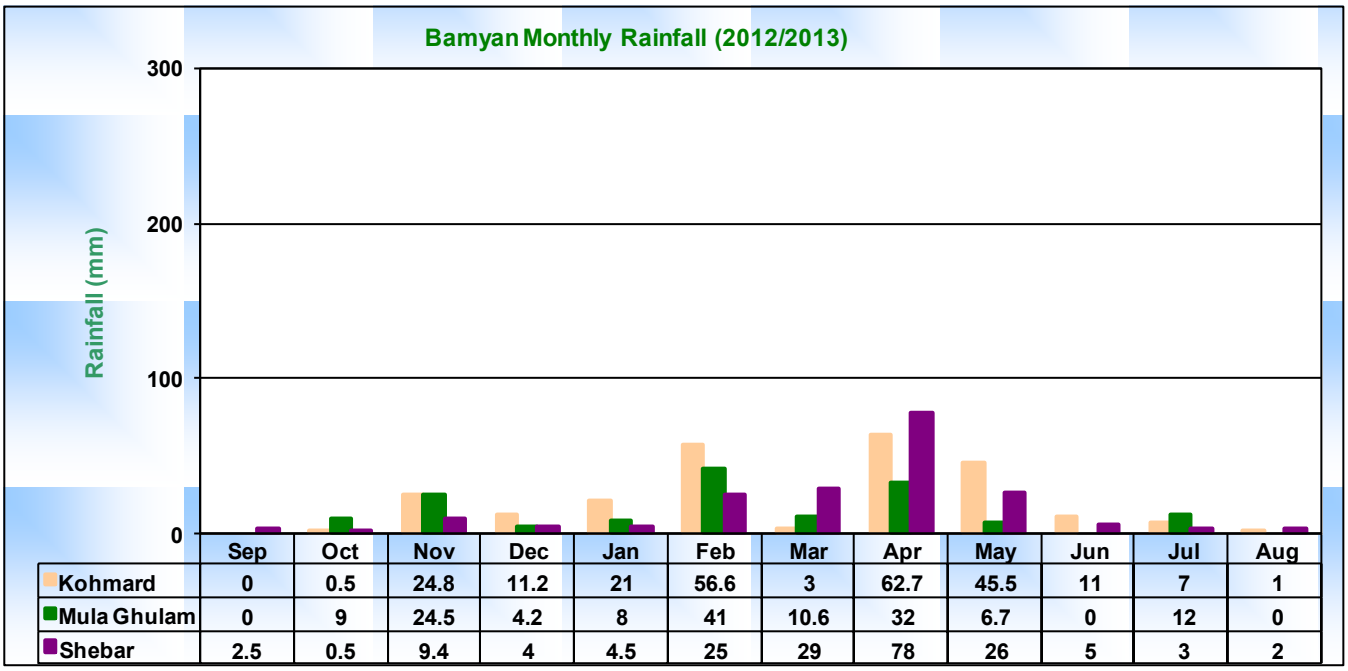

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kapisa | 50 | 0 | 9 | 73 | 34 | 145 | 65.5 | 79 | 0 | 5.5 | 0 | 0 |
| Kohestan | 31.7 | 2 | 10 | 73 | 45 | 151.3 | 79.3 | 60.5 | 3.2 | 0 | 0 | 0 |




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Panjshir | 60.5 | 9.4 | 5.7 | 31.8 | 13 | 34.5 | 147 | 115 | 16.9 | 0 | 0 | 0 |
| Dashtak | 30 | 6 | 13 | 48 | 25 | 91 | 152 | 81 | 16 | 0 | 0 | 0 |

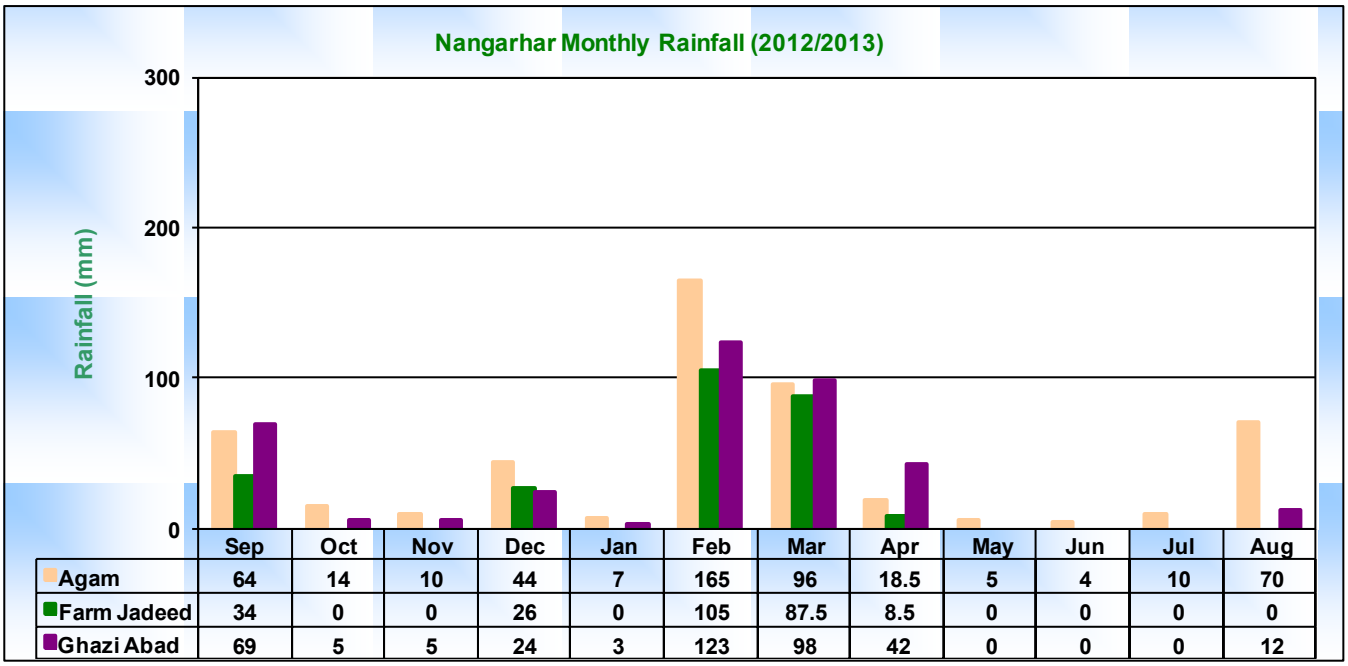



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bamyan | 1 | 0 | 29.2 | 4.9 | 12 | 54.5 | 16.6 | 68.8 | 13.6 | 2.5 | 12 | 0 |
| Panjab | 0 | 6.5 | 11 | 24 | 21 | 11.5 | 7 | 74.5 | 6 | 0 | 8 | 0 |
| Yakawlang | 0 | 7 | 0 | 28 | 13 | 25 | 36 | 58 | 9 | 1 | 3 | 5 |

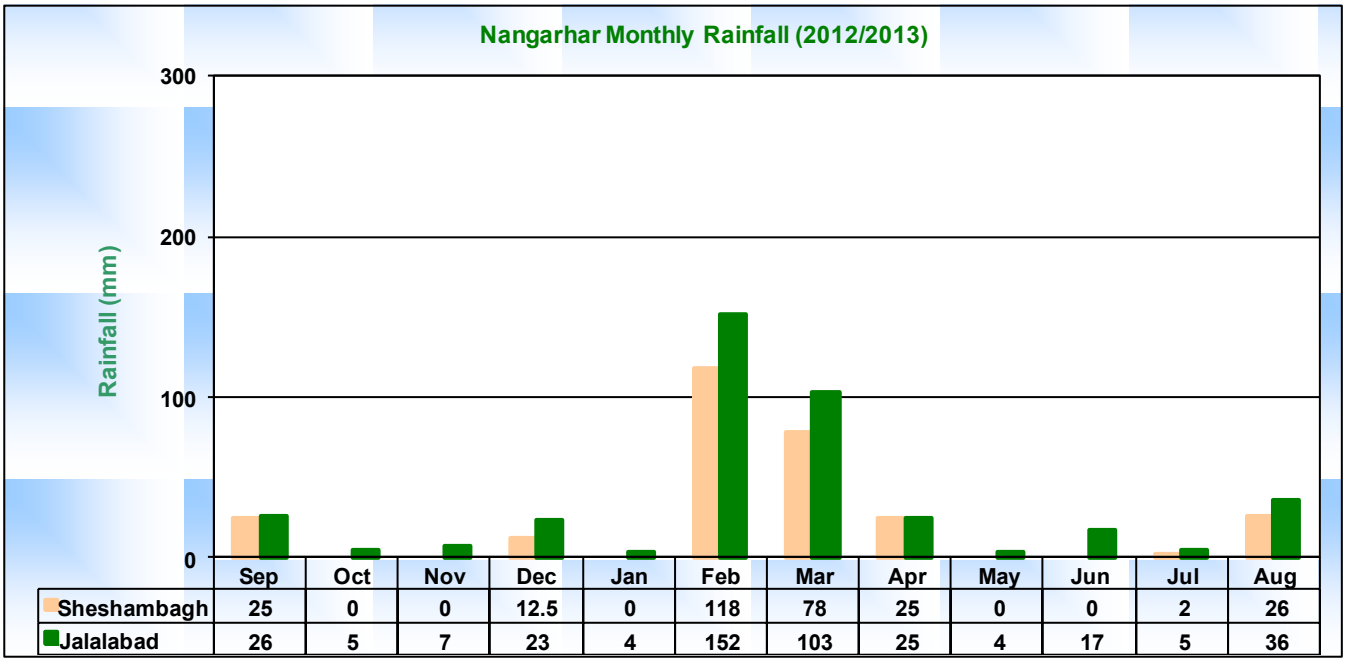



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kohmard | 0 | 0.5 | 24.8 | 11.2 | 21 | 56.6 | 3 | 62.7 | 45.5 | 11 | 7 | 1 |
| Mula Ghulam | 0 | 9 | 24.5 | 4.2 | 8 | 41 | 10.6 | 32 | 6.7 | 0 | 12 | 0 |
| Shebar | 2.5 | 0.5 | 9.4 | 4 | 4.5 | 25 | 29 | 78 | 26 | 5 | 3 | 2 |

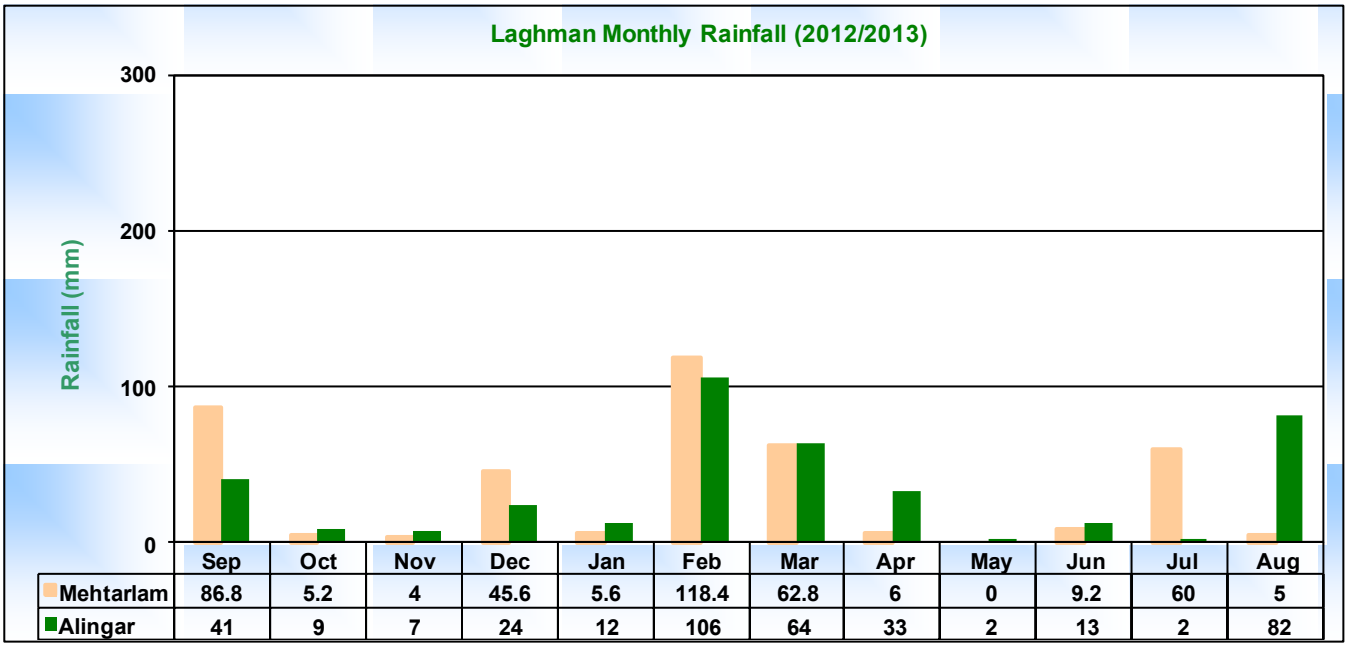
# Eastern Region



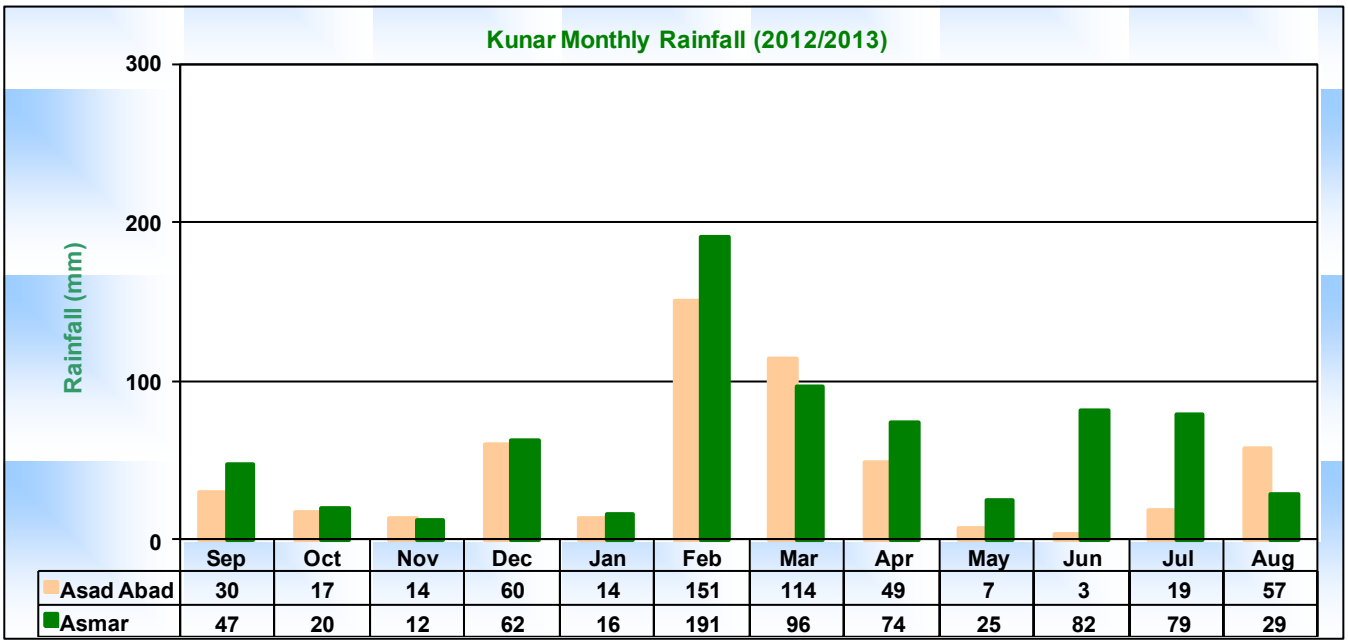

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Agam | 64 | 14 | 10 | 44 | 7 | 165 | 96 | 18.5 | 5 | 4 | 10 | 70 |
| Farm Jadeed | 34 | 0 | 0 | 26 | 0 | 105 | 87.5 | 8.5 | 0 | 0 | 0 | 0 |
| Ghazi Abad | 69 | 5 | 5 | 24 | 3 | 123 | 98 | 42 | 0 | 0 | 0 | 12 |



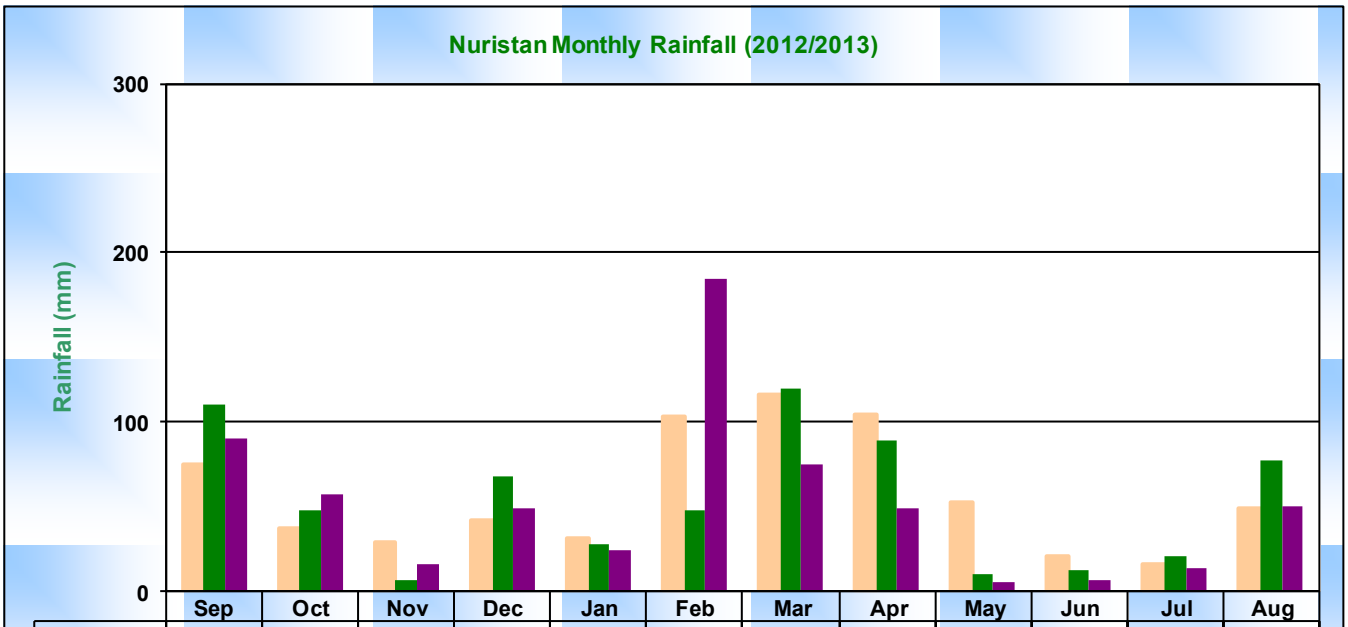

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sheshambagh | 25 | 0 | 0 | 12.5 | 0 | 118 | 78 | 25 | 0 | 0 | 2 | 26 |
| Jalalabad | 26 | 5 | 7 | 23 | 4 | 152 | 103 | 25 | 4 | 17 | 5 | 36 |




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mehtarlam | 86.8 | 5.2 | 4 | 45.6 | 5.6 | 118.4 | 62.8 | 6 | 0 | 9.2 | 60 | 5 |
| Alingar | 41 | 9 | 7 | 24 | 12 | 106 | 64 | 33 | 2 | 13 | 2 | 82 |

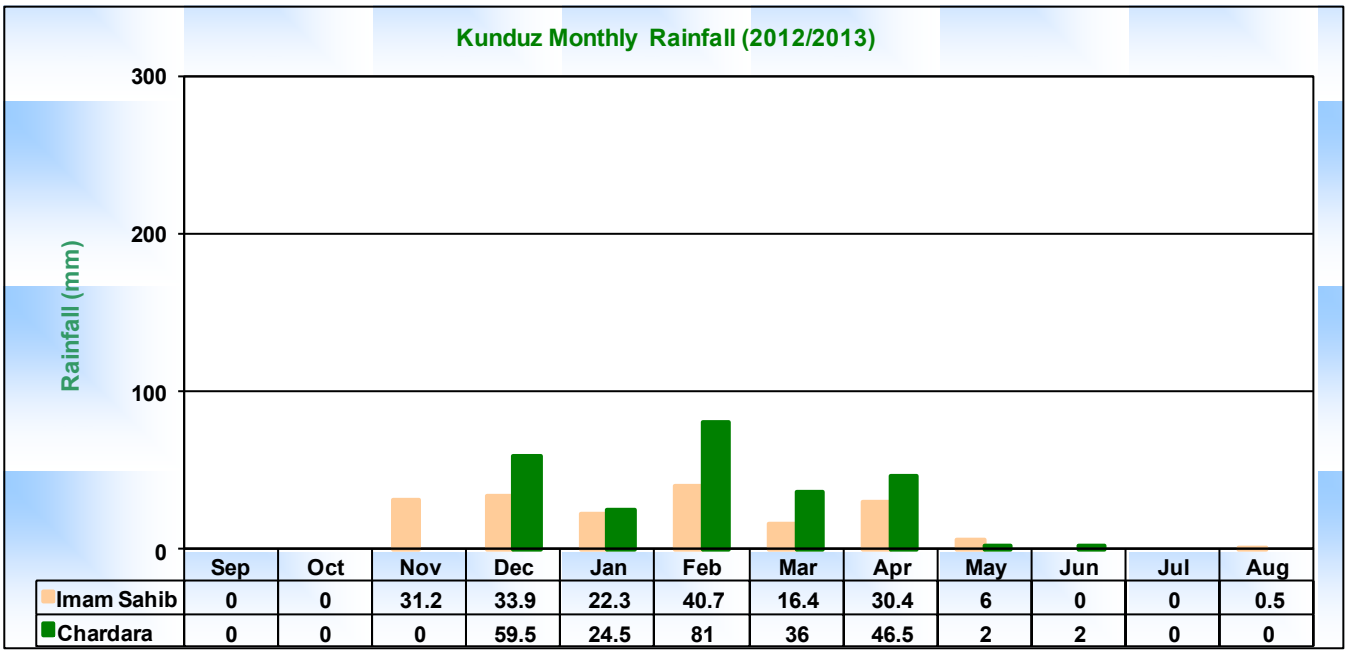



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Asad Abad | 30 | 17 | 14 | 60 | 14 | 151 | 114 | 49 | 7 | 3 | 19 | 57 |
| Asmar | 47 | 20 | 12 | 62 | 16 | 191 | 96 | 74 | 25 | 82 | 79 | 29 |

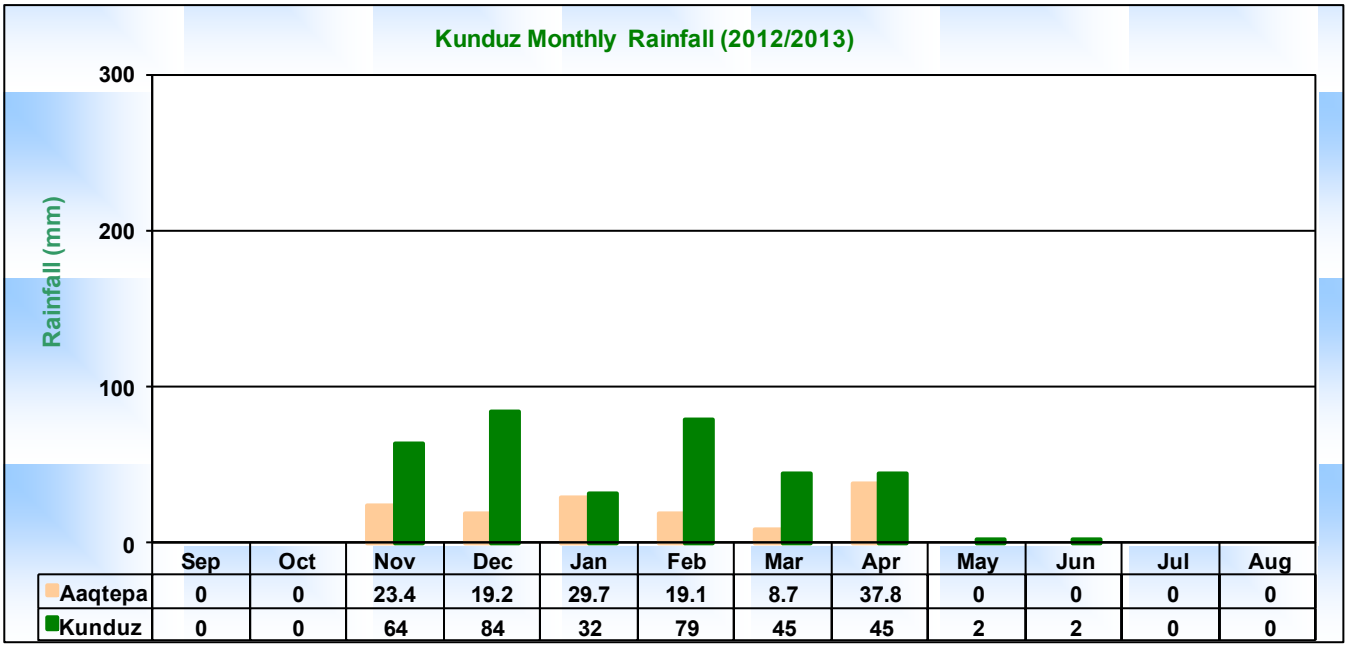



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paroon | 74 | 37 | 29 | 41 | 31 | 103 | 116 | 104 | 52 | 20 | 15 | 49 |
| Waigal | 110 | 47 | 6 | 68 | 27.5 | 47.5 | 120 | 89 | 10 | 12 | 20 | 77 |
| Noorgram | 90 | 56.5 | 16 | 48 | 24 | 184 | 74 | 49 | 5 | 6 | 13 | 50 |

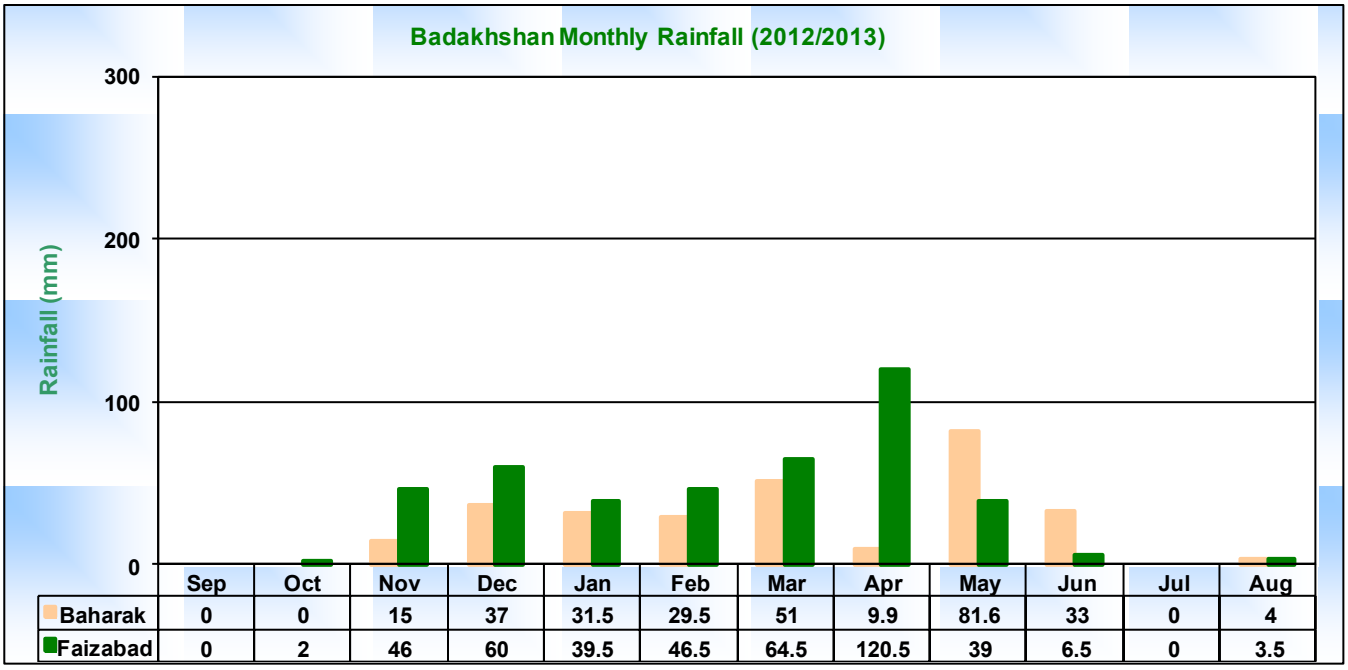
# North East Region



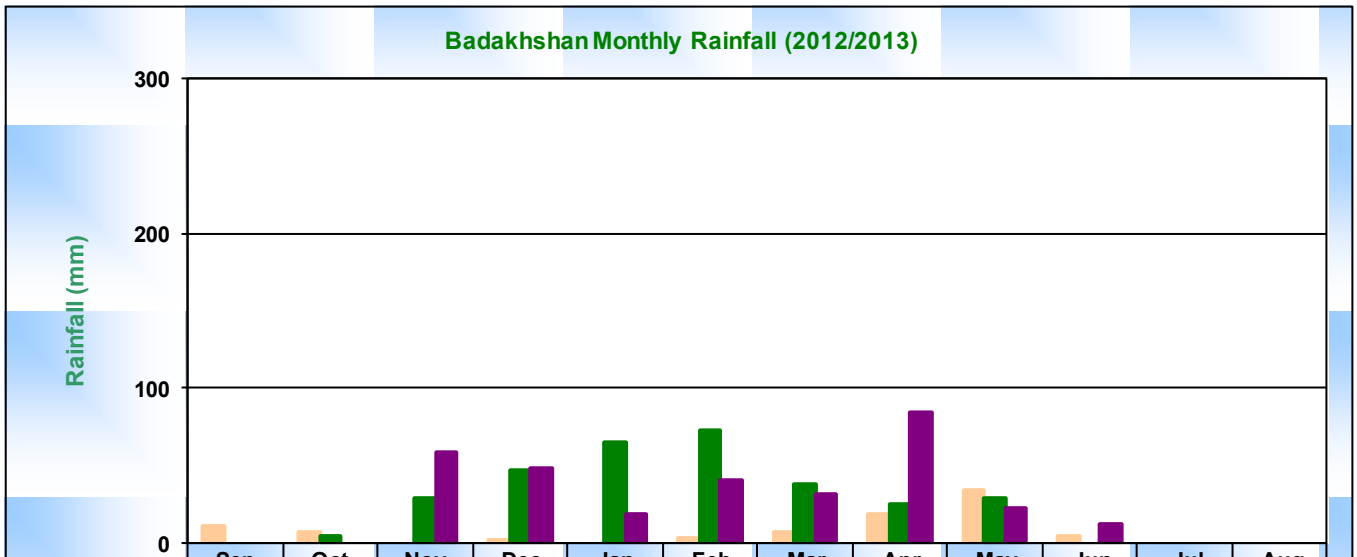

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Imam Sahib | 0 | 0 | 31.2 | 33.9 | 22.3 | 40.7 | 16.4 | 30.4 | 6 | 0 | 0 | 0.5 |
| Chardara | 0 | 0 | 0 | 59.5 | 24.5 | 81 | 36 | 46.5 | 2 | 2 | 0 | 0 |



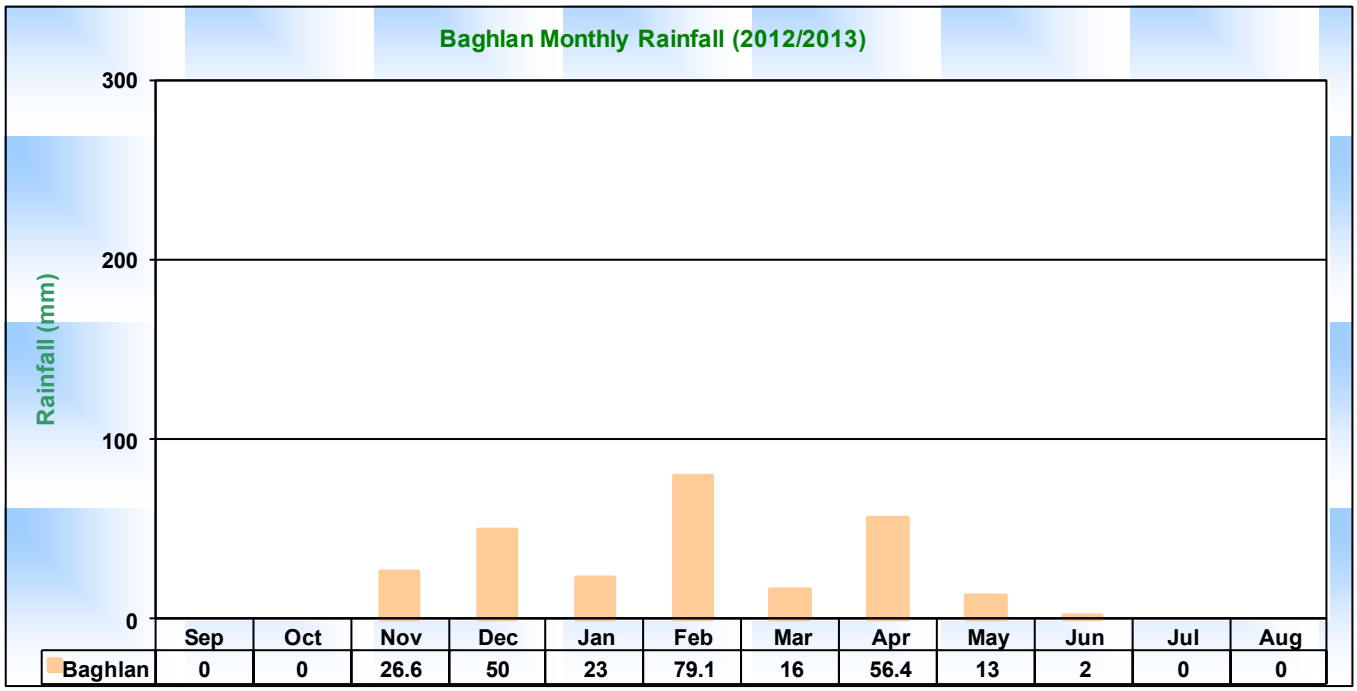

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aaqtepa | 0 | 0 | 23.4 | 19.2 | 29.7 | 19.1 | 8.7 | 37.8 | 0 | 0 | 0 | 0 |
| Kunduz | 0 | 0 | 64 | 84 | 32 | 79 | 45 | 45 | 2 | 2 | 0 | 0 |



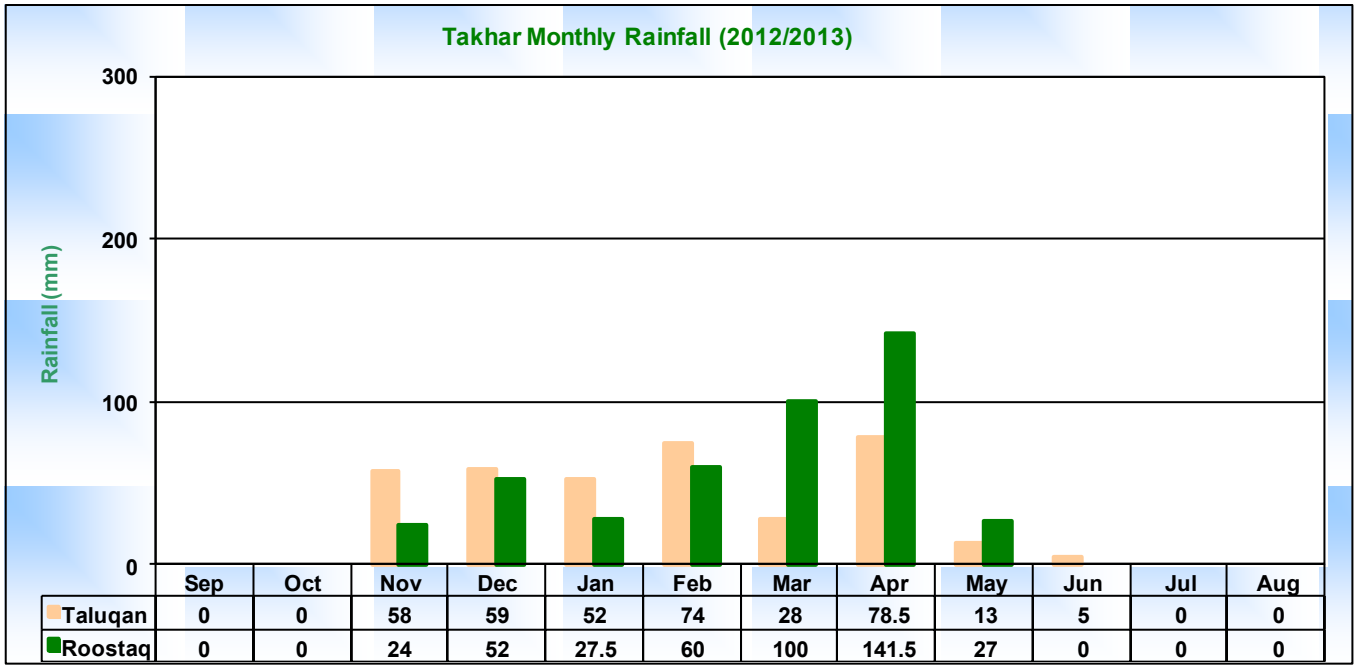

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Baharak | 0 | 0 | 15 | 37 | 31.5 | 29.5 | 51 | 9.9 | 81.6 | 33 | 0 | 4 |
| Faizabad | 0 | 2 | 46 | 60 | 39.5 | 46.5 | 64.5 | 120.5 | 39 | 6.5 | 0 | 3.5 |




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eshkasham | 10 | 6 | 0 | 1 | 0 | 2 | 7 | 18 | 34 | 4 | 0 | 0 |
| Khash | 0 | 4.5 | 28 | 46.5 | 65 | 72 | 37 | 25 | 28 | 0 | 0 | 0 |
| Urgo | 0 | 0 | 58 | 48 | 18 | 40 | 31 | 83.5 | 22 | 12 | 0 | 0 |

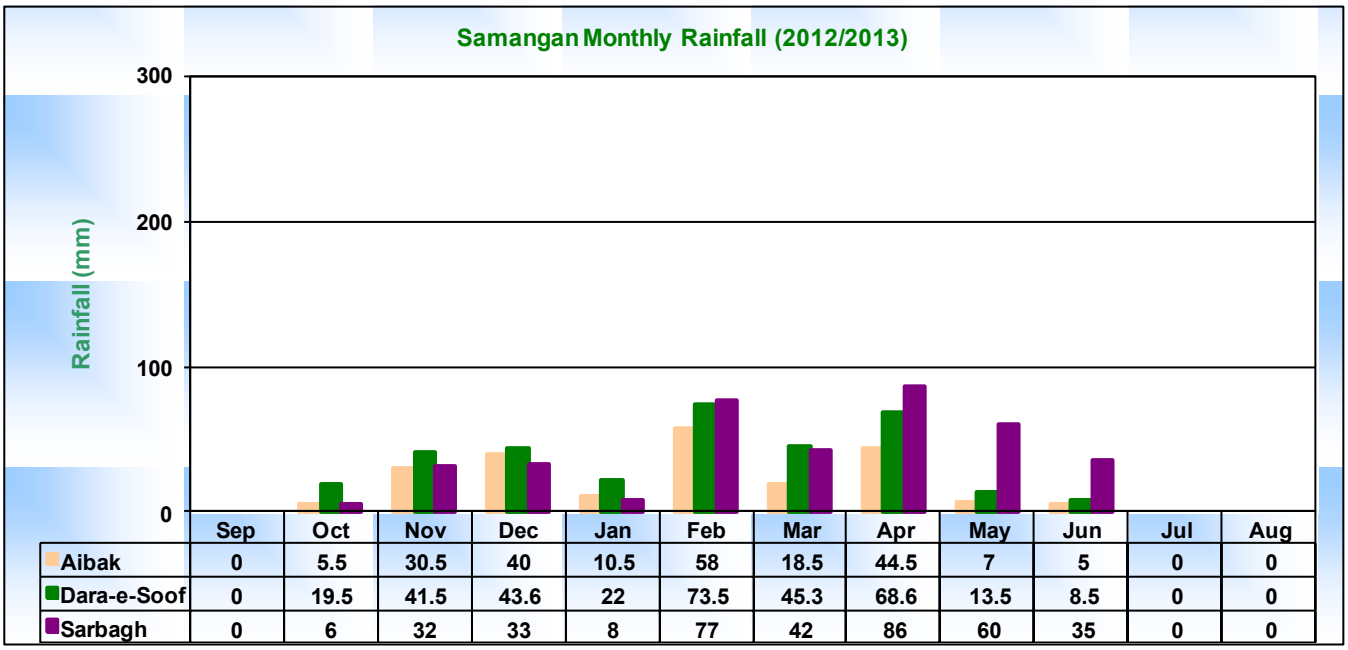



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Baghlan | 0 | 0 | 26.6 | 50 | 23 | 79.1 | 16 | 56.4 | 13 | 2 | 0 | 0 |

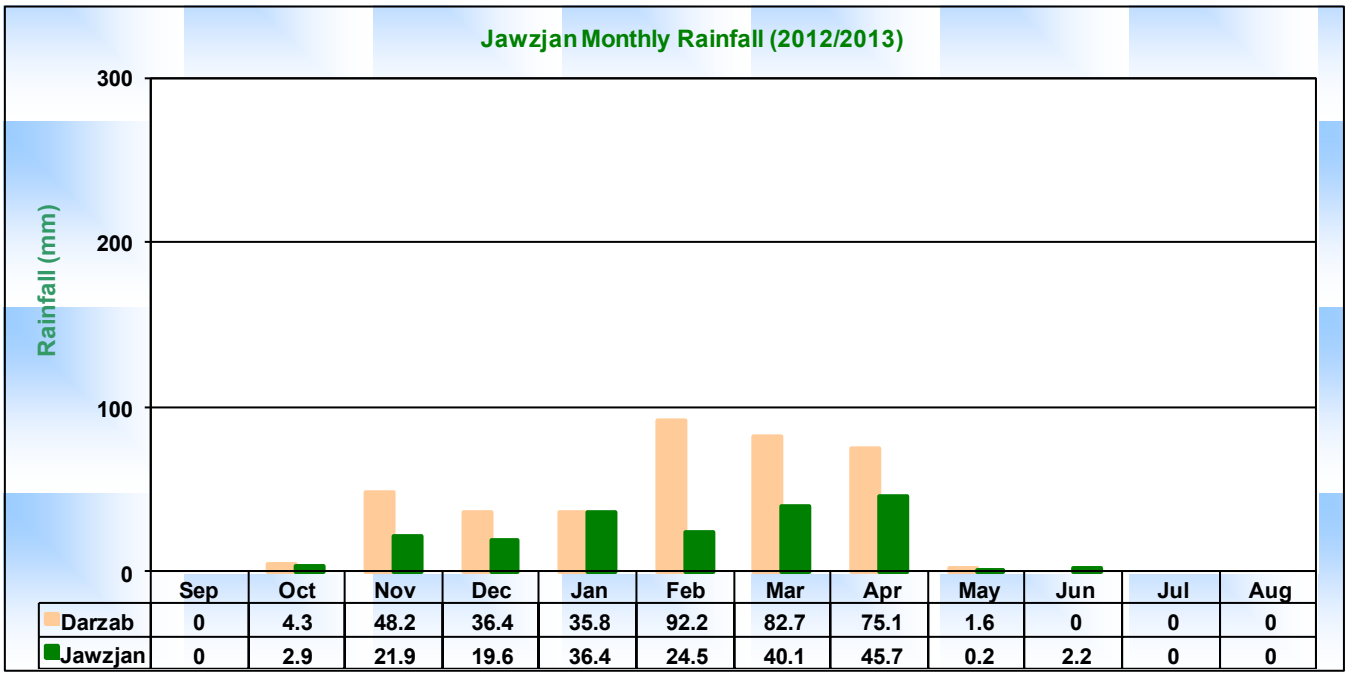



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Taluqan | 0 | 0 | 58 | 59 | 52 | 74 | 28 | 78.5 | 13 | 5 | 0 | 0 |
| Roostaq | 0 | 0 | 24 | 52 | 27.5 | 60 | 100 | 141.5 | 27 | 0 | 0 | 0 |

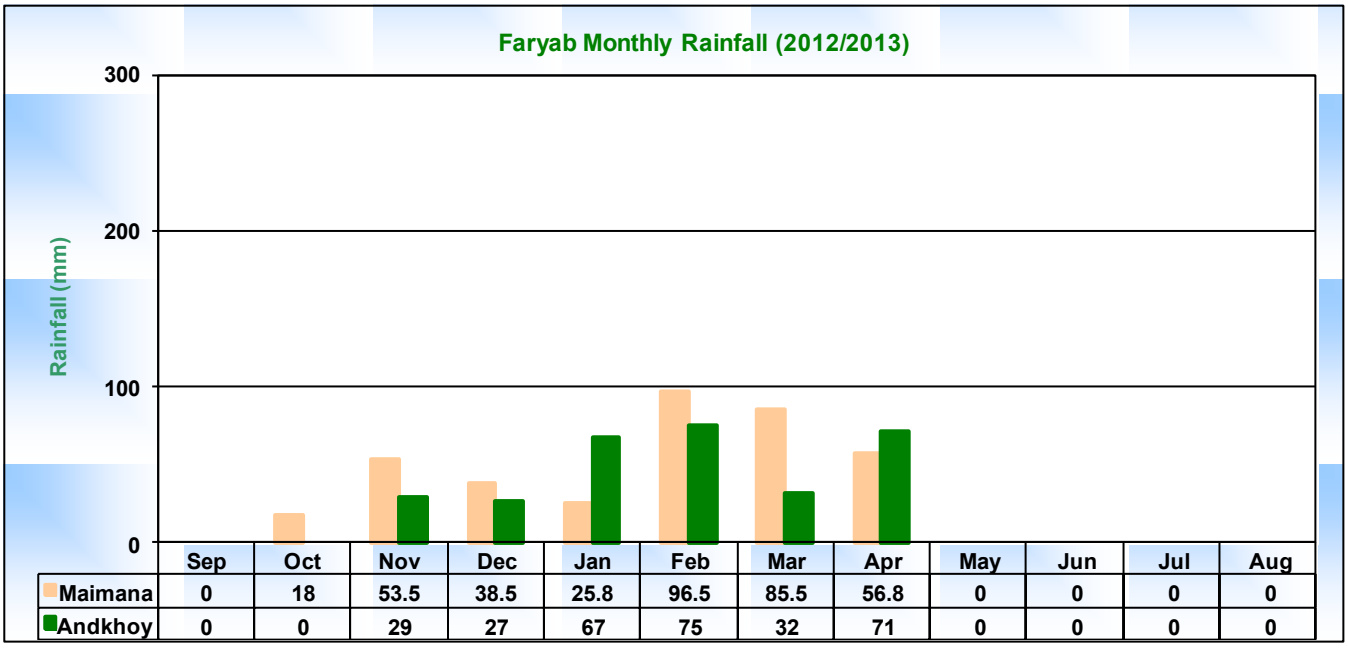
# Northern Region



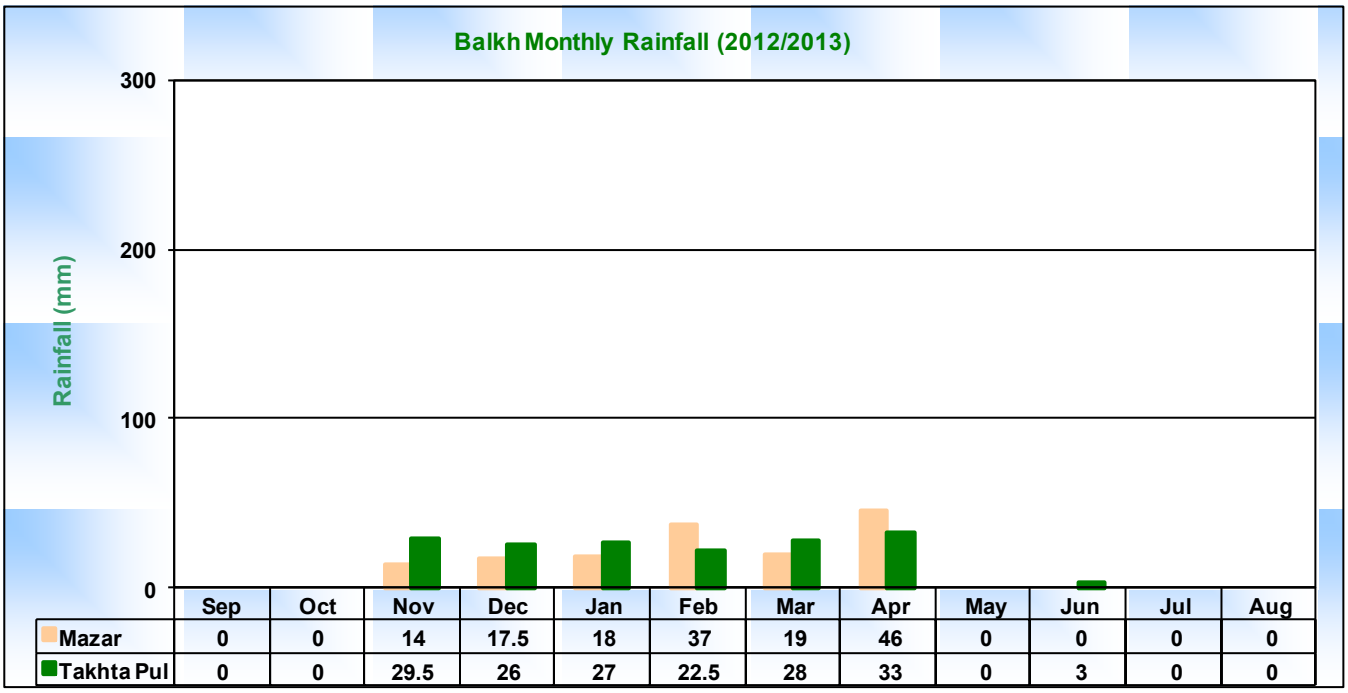

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aibak | 0 | 5.5 | 30.5 | 40 | 10.5 | 58 | 18.5 | 44.5 | 7 | 5 | 0 | 0 |
| Dara-e-Soof | 0 | 19.5 | 41.5 | 43.6 | 22 | 73.5 | 45.3 | 68.6 | 13.5 | 8.5 | 0 | 0 |
| Sarbagh | 0 | 6 | 32 | 33 | 8 | 77 | 42 | 86 | 60 | 35 | 0 | 0 |



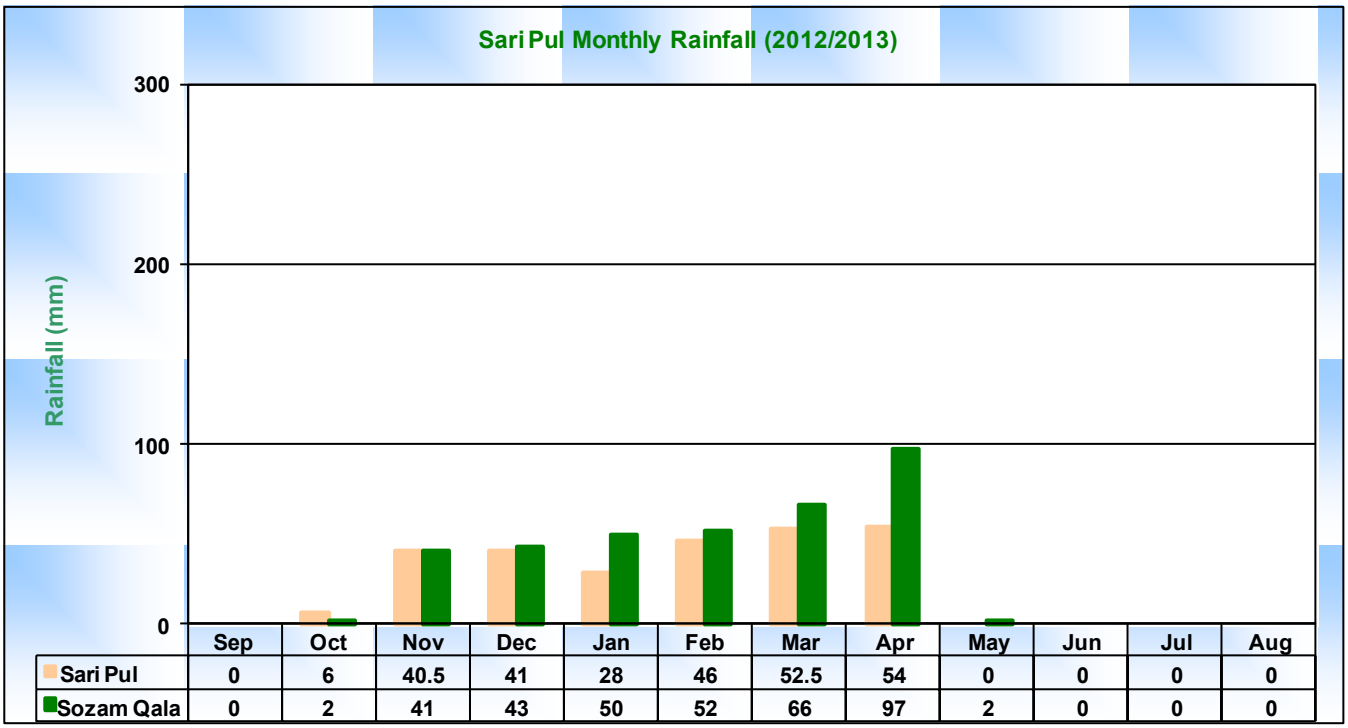

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Darzab | 0 | 4.3 | 48.2 | 36.4 | 35.8 | 92.2 | 82.7 | 75.1 | 1.6 | 0 | 0 | 0 |
| Jawzjan | 0 | 2.9 | 21.9 | 19.6 | 36.4 | 24.5 | 40.1 | 45.7 | 0.2 | 2.2 | 0 | 0 |




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maimana | 0 | 18 | 53.5 | 38.5 | 25.8 | 96.5 | 85.5 | 56.8 | 0 | 0 | 0 | 0 |
| Andkhoy | 0 | 0 | 29 | 27 | 67 | 75 | 32 | 71 | 0 | 0 | 0 | 0 |

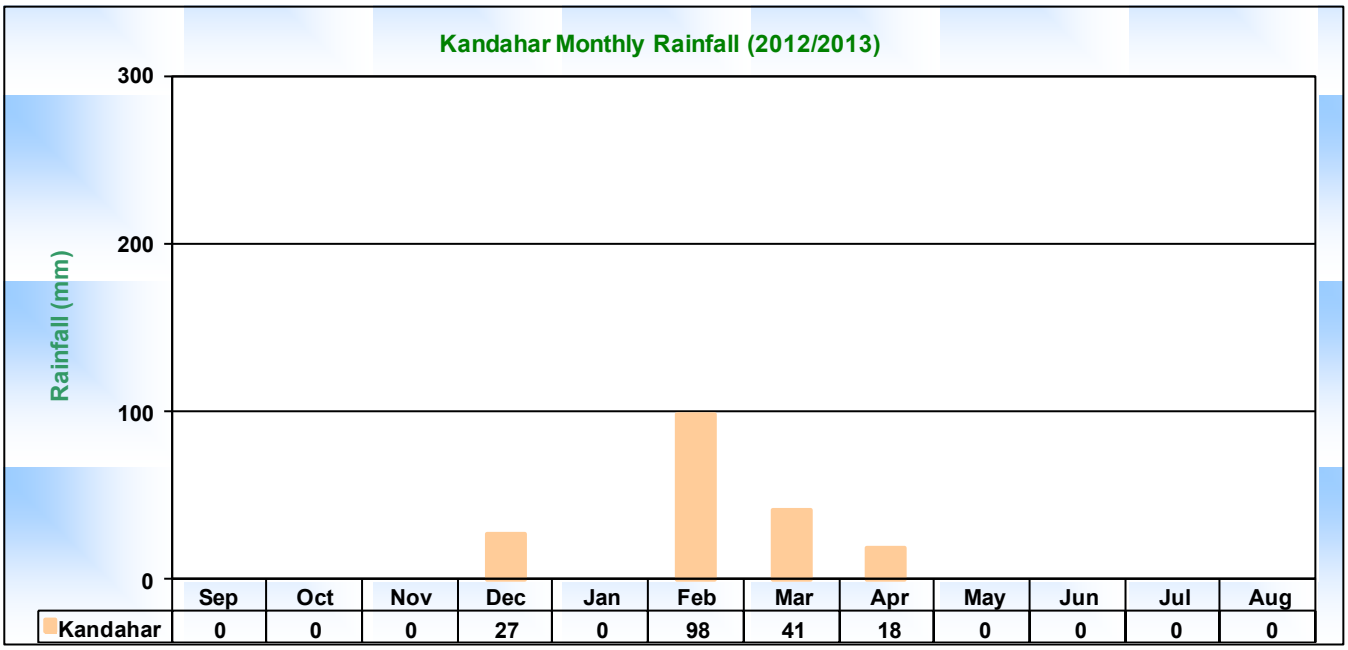



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mazar | 0 | 0 | 14 | 17.5 | 18 | 37 | 19 | 46 | 0 | 0 | 0 | 0 |
| Takhta Pul | 0 | 0 | 29.5 | 26 | 27 | 22.5 | 28 | 33 | 0 | 3 | 0 | 0 |

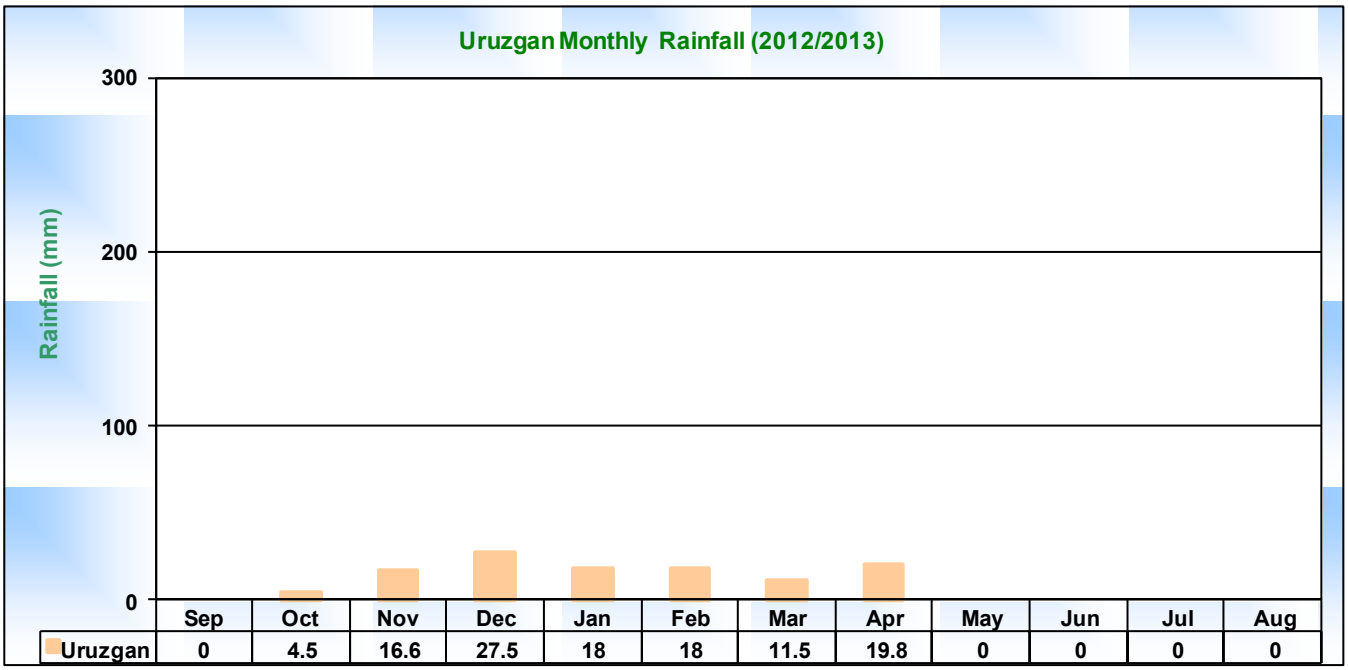



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sari Pul | 0 | 6 | 40.5 | 41 | 28 | 46 | 52.5 | 54 | 0 | 0 | 0 | 0 |
| Sozam Qala | 0 | 2 | 41 | 43 | 50 | 52 | 66 | 97 | 2 | 0 | 0 | 0 |

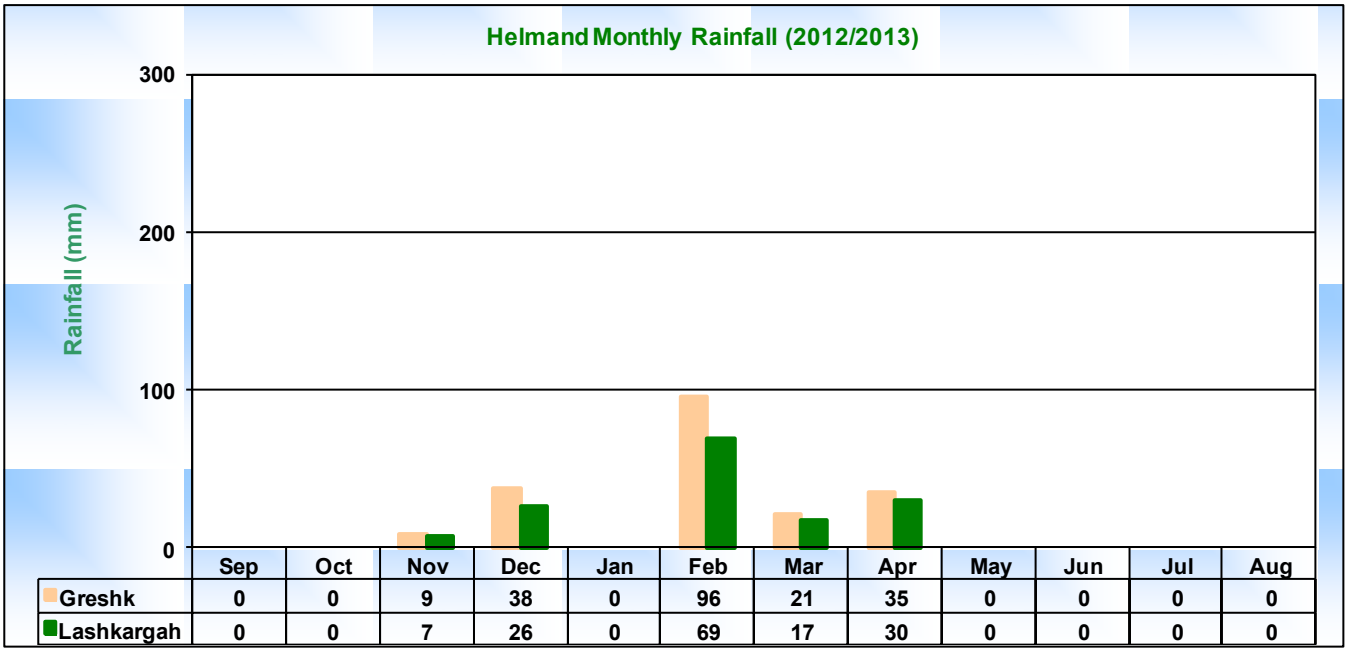
# Southern Region



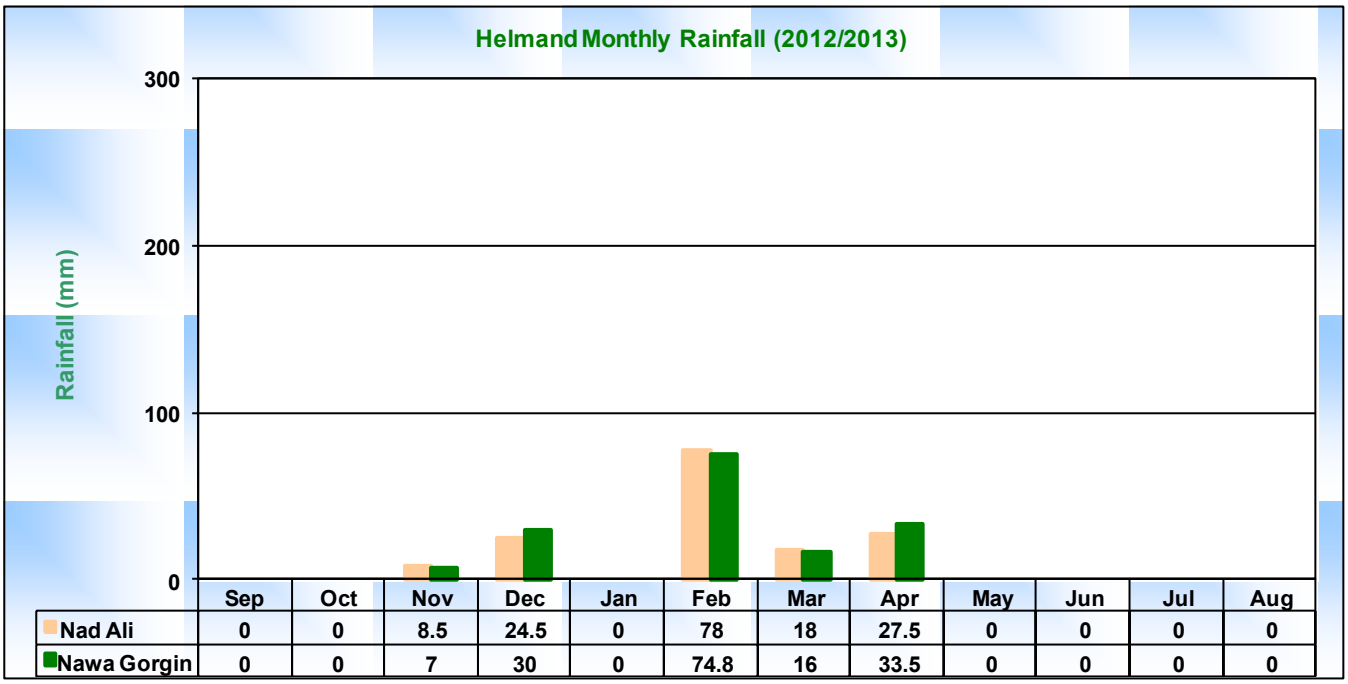

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kandahar | 0 | 0 | 0 | 27 | 0 | 98 | 41 | 18 | 0 | 0 | 0 | 0 |



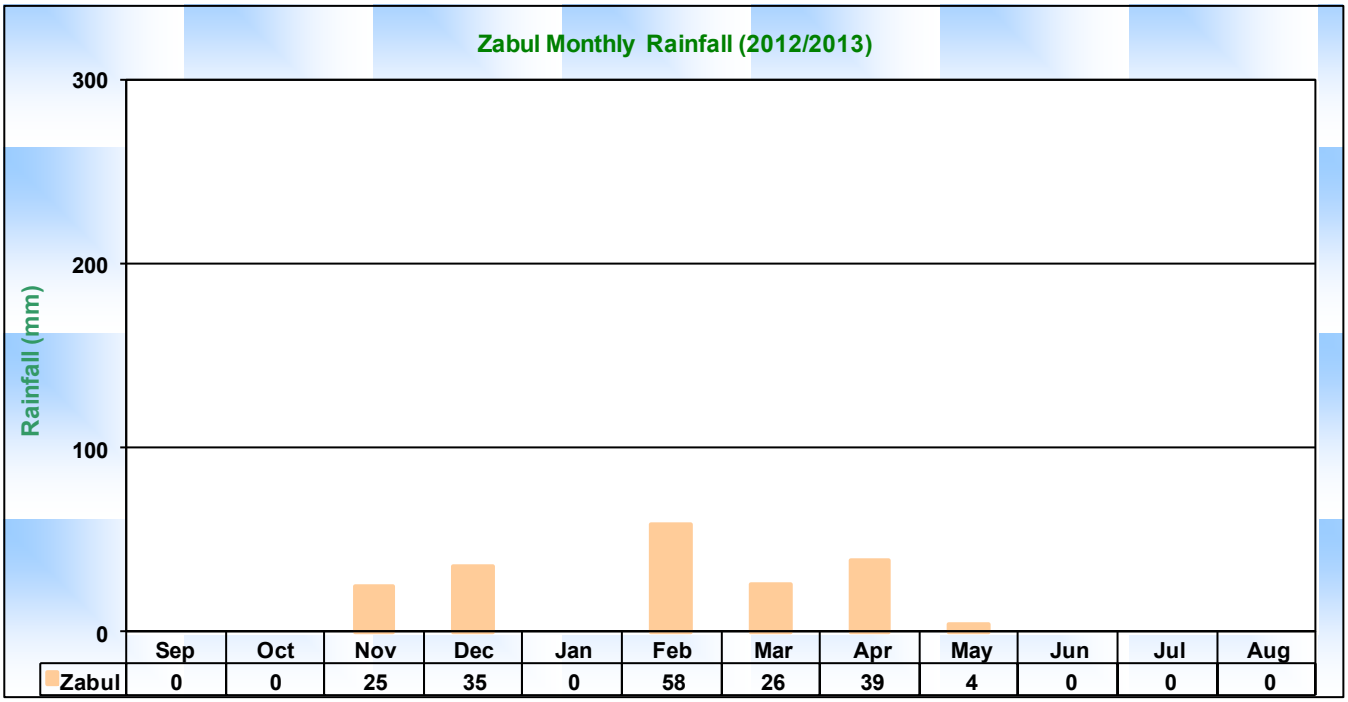

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uruzgan | 0 | 4.5 | 16.6 | 27.5 | 18 | 18 | 11.5 | 19.8 | 0 | 0 | 0 | 0 |



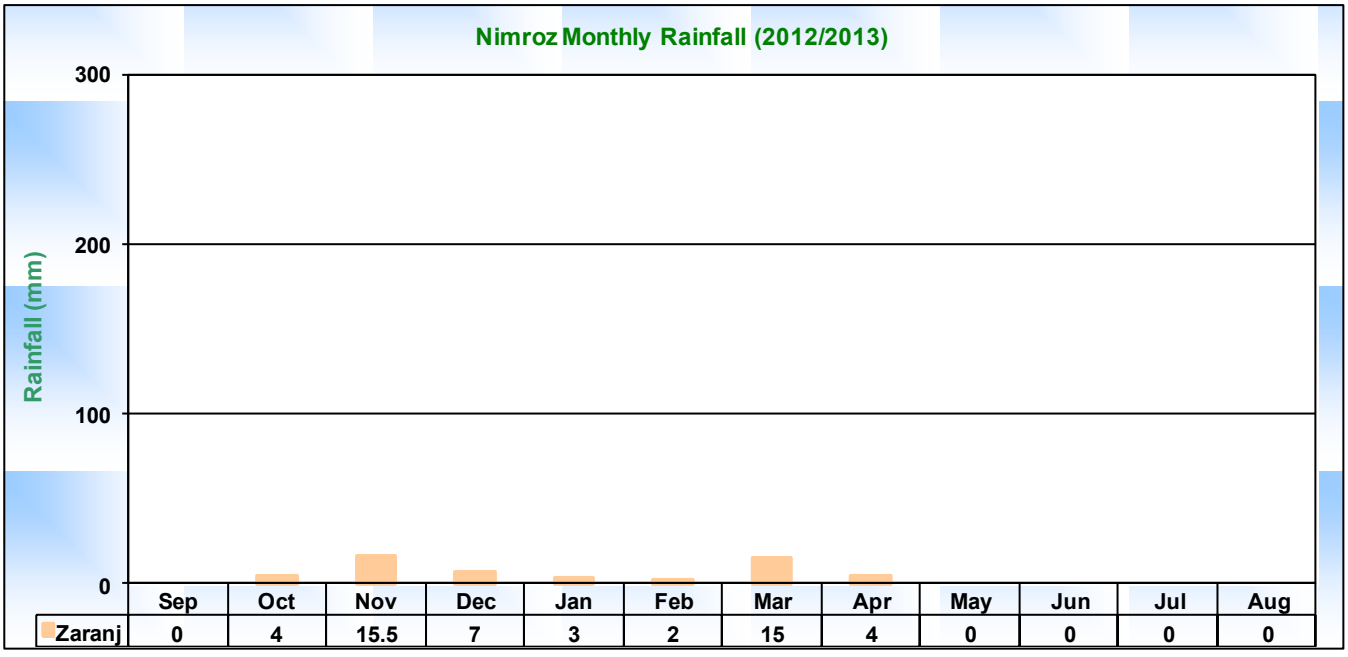

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Greshk | 0 | 0 | 9 | 38 | 0 | 96 | 21 | 35 | 0 | 0 | 0 | 0 |
| Lashkargah | 0 | 0 | 7 | 26 | 0 | 69 | 17 | 30 | 0 | 0 | 0 | 0 |



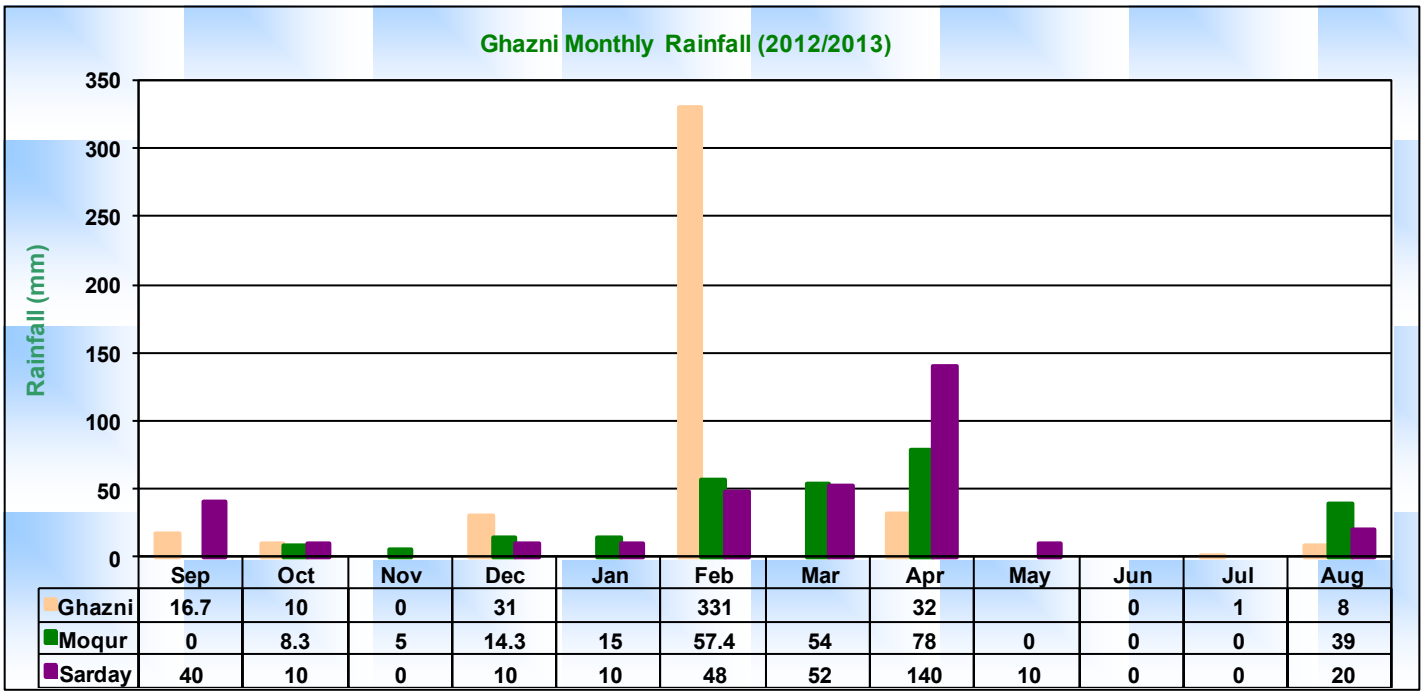

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nad Ali | 0 | 0 | 8.5 | 24.5 | 0 | 78 | 18 | 27.5 | 0 | 0 | 0 | 0 |
| Nawa Gorgin | 0 | 0 | 7 | 30 | 0 | 74.8 | 16 | 33.5 | 0 | 0 | 0 | 0 |




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zabul | 0 | 0 | 25 | 35 | 0 | 58 | 26 | 39 | 4 | 0 | 0 | 0 |

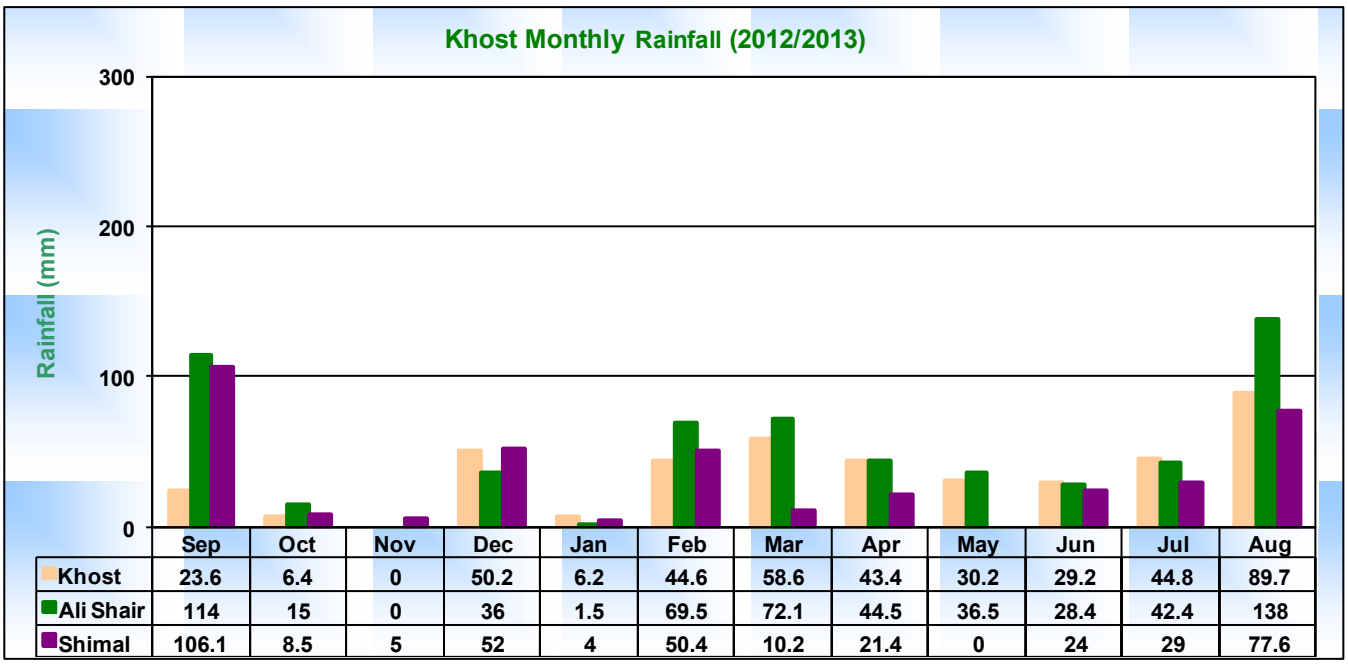



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zaranj | 0 | 4 | 15.5 | 7 | 3 | 2 | 15 | 4 | 0 | 0 | 0 | 0 |

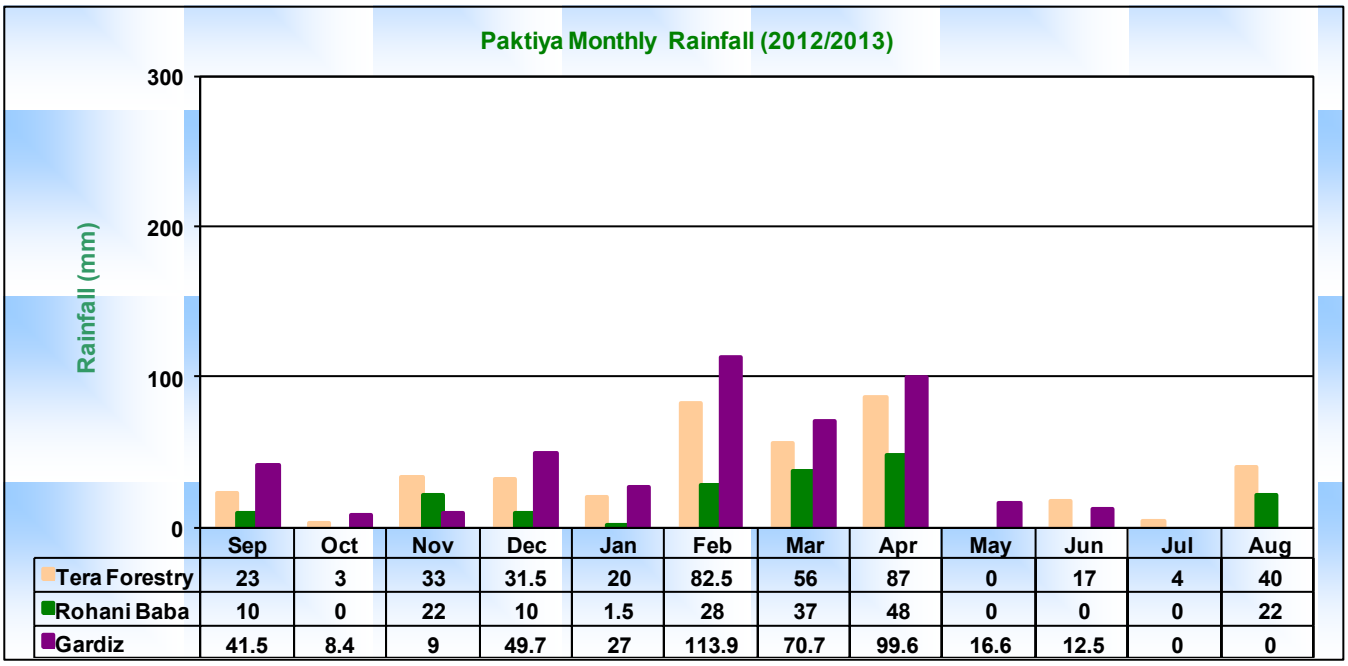



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ghazni | 16.7 | 10 | 0 | 31 | | 331 | | 32 | | 0 | 1 | 8 |
| Moqur | 0 | 8.3 | 5 | 14.3 | 15 | 57.4 | 54 | 78 | 0 | 0 | 0 | 39 |
| Sarday | 40 | 10 | 0 | 10 | 10 | 48 | 52 | 140 | 10 | 0 | 0 | 20 |

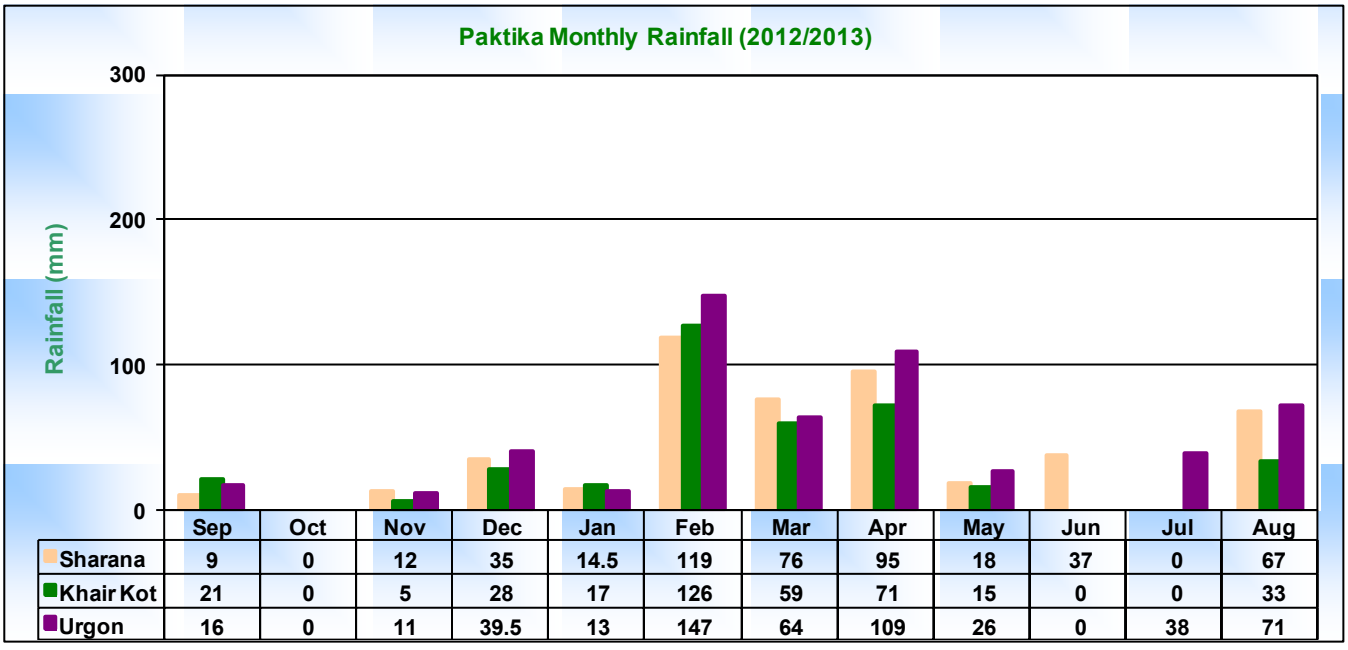
# South East Region




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Khost | 23.6 | 6.4 | 0 | 50.2 | 6.2 | 44.6 | 58.6 | 43.4 | 30.2 | 29.2 | 44.8 | 89.7 |
| Ali Shair | 114 | 15 | 0 | 36 | 1.5 | 69.5 | 72.1 | 44.5 | 36.5 | 28.4 | 42.4 | 138 |
| Shimal | 106.1 | 8.5 | 5 | 52 | 4 | 50.4 | 10.2 | 21.4 | 0 | 24 | 29 | 77.6 |

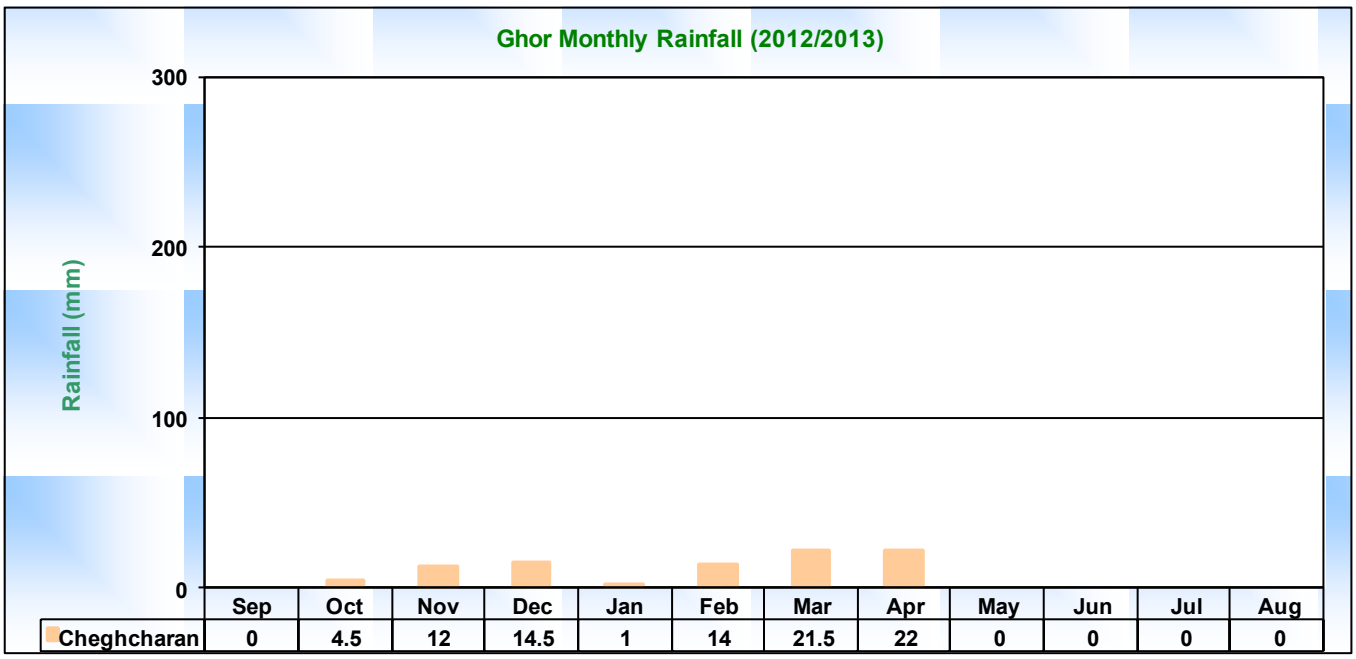



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tera Forestry | 23 | 3 | 33 | 31.5 | 20 | 82.5 | 56 | 87 | 0 | 17 | 4 | 40 |
| Rohani Baba | 10 | 0 | 22 | 10 | 1.5 | 28 | 37 | 48 | 0 | 0 | 0 | 22 |
| Gardiz | 41.5 | 8.4 | 9 | 49.7 | 27 | 113.9 | 70.7 | 99.6 | 16.6 | 12.5 | 0 | 0 |

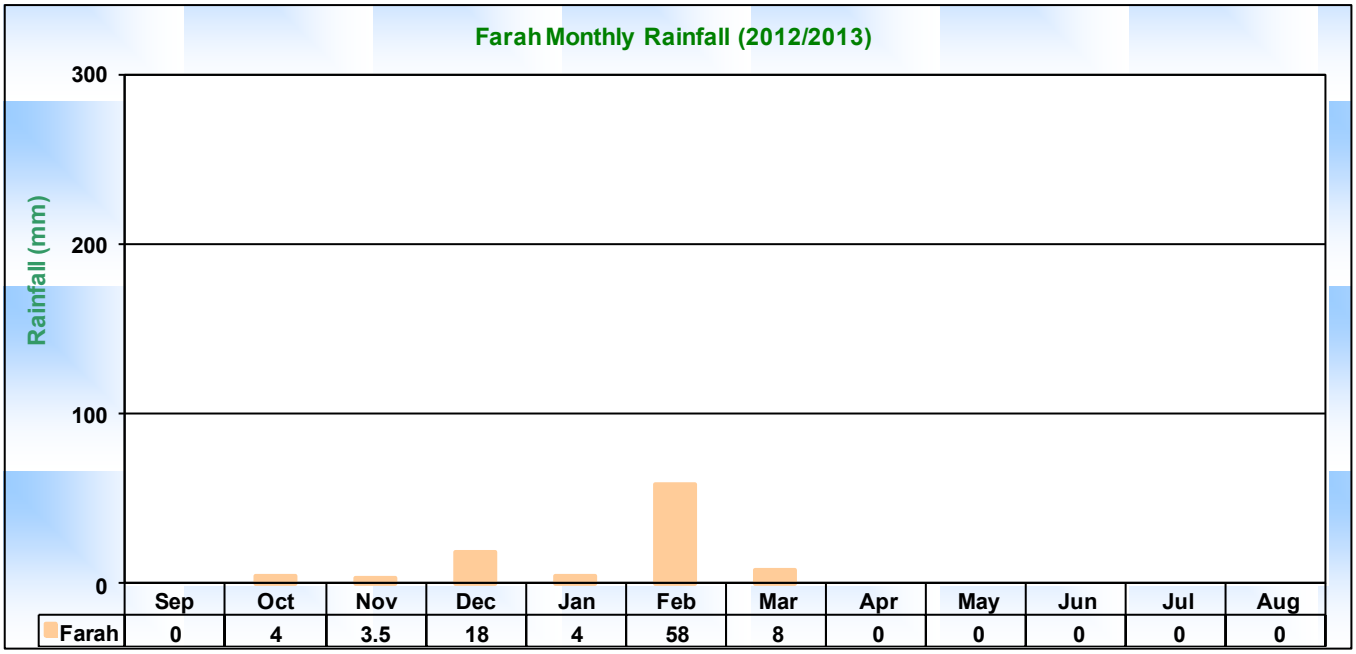



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sharana | 9 | 0 | 12 | 35 | 14.5 | 119 | 76 | 95 | 18 | 37 | 0 | 67 |
| Khair Kot | 21 | 0 | 5 | 28 | 17 | 126 | 59 | 71 | 15 | 0 | 0 | 33 |
| Urgon | 16 | 0 | 11 | 39.5 | 13 | 147 | 64 | 109 | 26 | 0 | 38 | 71 |

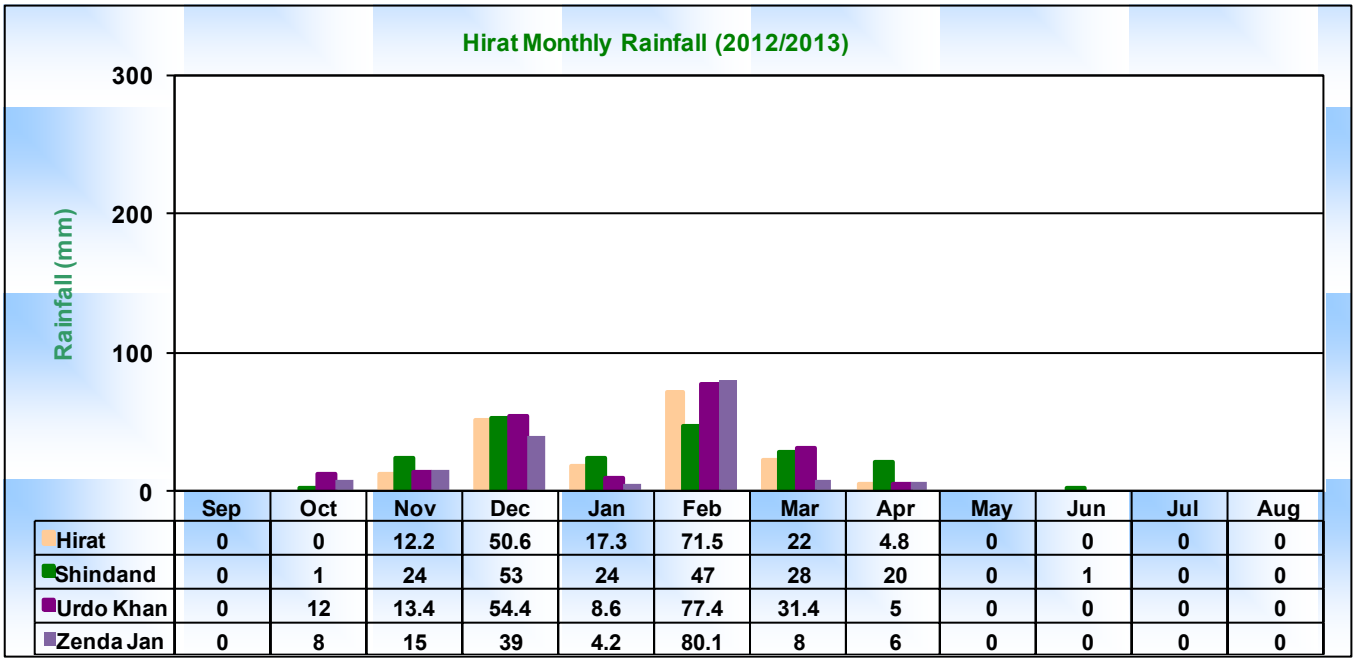
# Western Region



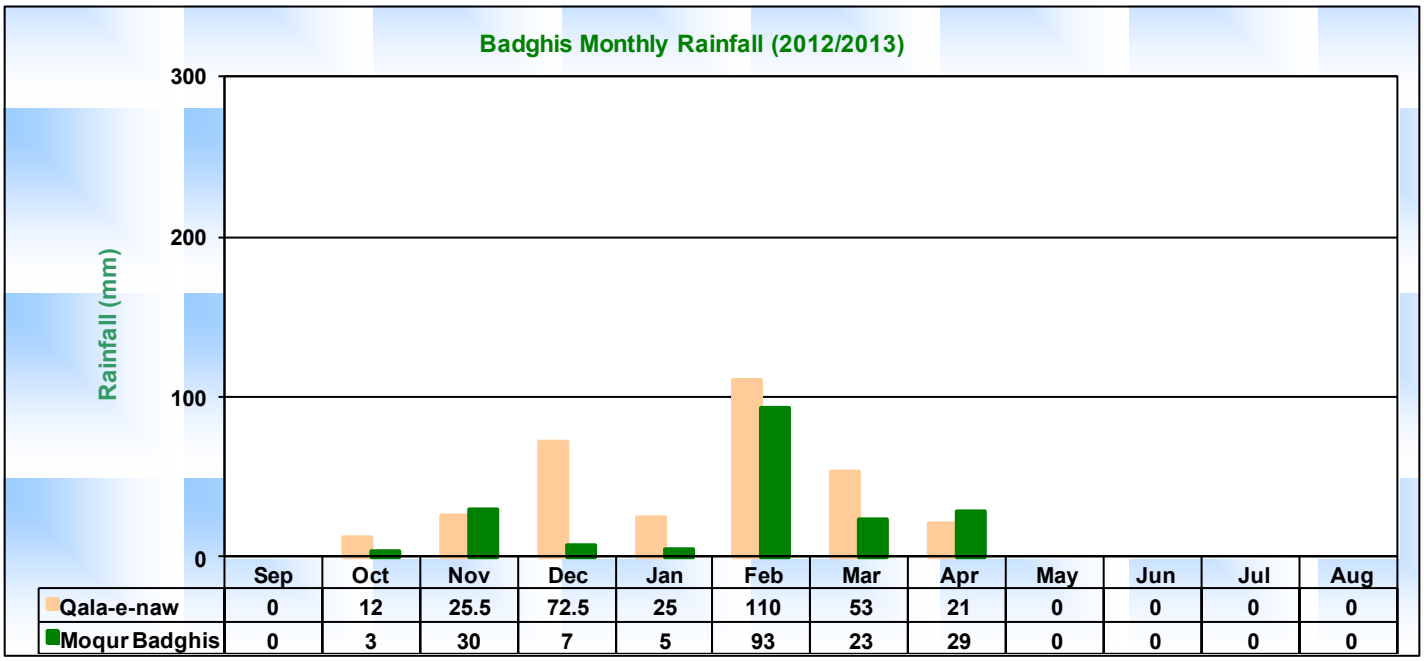

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cheghcharan | 0 | 4.5 | 12 | 14.5 | 1 | 14 | 21.5 | 22 | 0 | 0 | 0 | 0 |




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Farah | 0 | 4 | 3.5 | 18 | 4 | 58 | 8 | 0 | 0 | 0 | 0 | 0 |

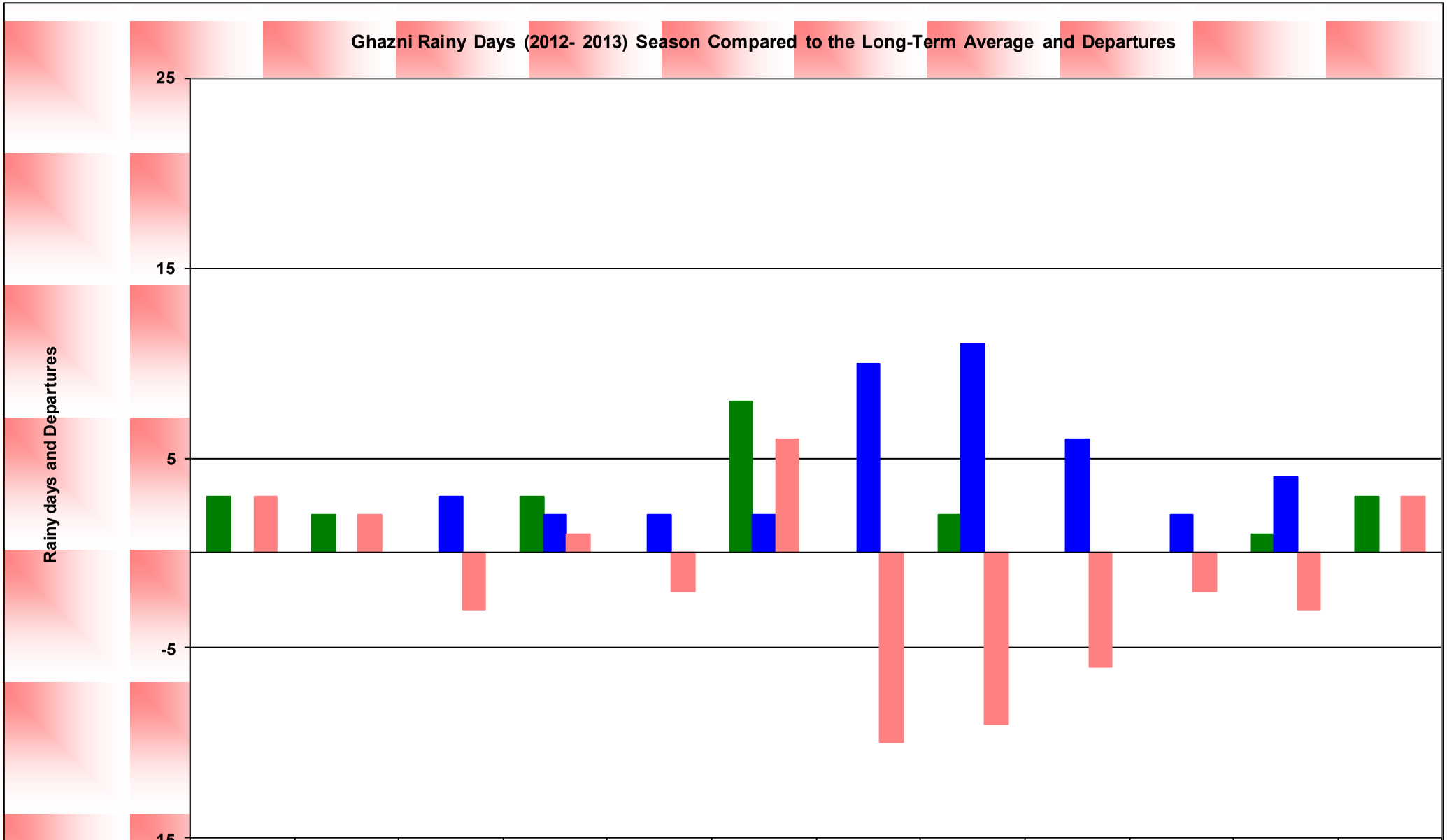



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hirat | 0 | 0 | 12.2 | 50.6 | 17.3 | 71.5 | 22 | 4.8 | 0 | 0 | 0 | 0 |
| Shindand | 0 | 1 | 24 | 53 | 24 | 47 | 28 | 20 | 0 | 1 | 0 | 0 |
| Urdo Khan | 0 | 12 | 13.4 | 54.4 | 8.6 | 77.4 | 31.4 | 5 | 0 | 0 | 0 | 0 |
| Zenda Jan | 0 | 8 | 15 | 39 | 4.2 | 80.1 | 8 | 6 | 0 | 0 | 0 | 0 |




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Qala-e-naw | 0 | 12 | 25.5 | 72.5 | 25 | 110 | 53 | 21 | 0 | 0 | 0 | 0 |
| Moqur Badghis | 0 | 3 | 30 | 7 | 5 | 93 | 23 | 29 | 0 | 0 | 0 | 0 |

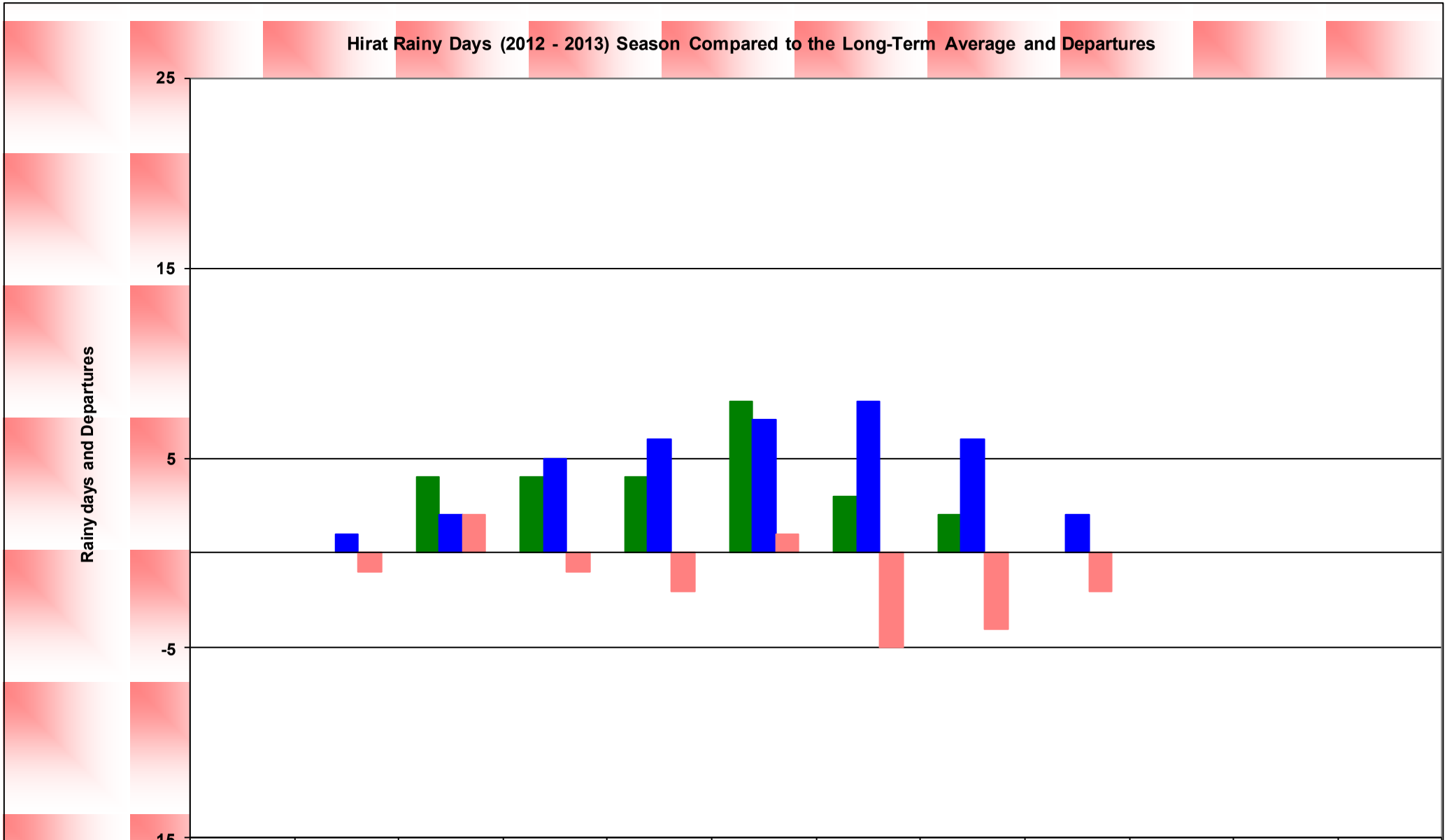
# Rainy Days
# Compared with
# Long Term Average and Departure
# (2012- 2013) Season



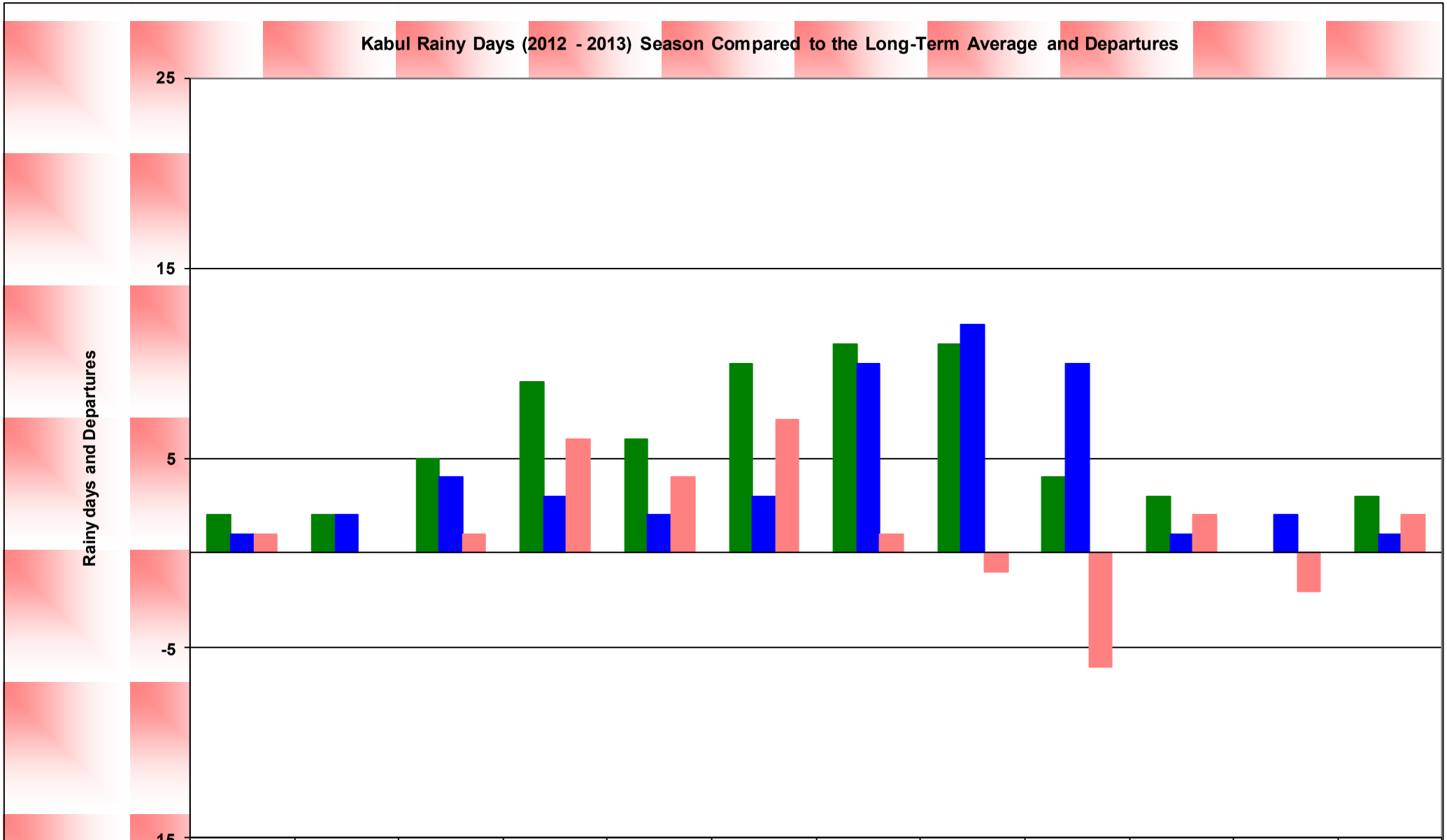

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Rainy Days | 3 | 2 | 0 | 3 | | 8 | | 2 | | 0 | 1 | 3 |
| Mean Rainy Days | 0 | 0 | 3 | 2 | 2 | 2 | 10 | 11 | 6 | 2 | 4 | 0 |
| Departure in days | 3 | 2 | -3 | 1 | -2 | 6 | -10 | -9 | -6 | -2 | -3 | 3 |

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Rainy Days | 0 | 0 | 4 | 5 | 6 | 9 | 4 | 10 | 1 | 1 | 0 | 0 |
| Mean Rainy Days | 0 | 3 | 4 | 5 | 3 | 5 | 11 | 11 | 8 | 0 | 1 | 0 |
| Departure in days | 0 | -3 | 0 | 0 | 3 | 4 | -7 | -1 | -7 | 1 | -1 | 0 |

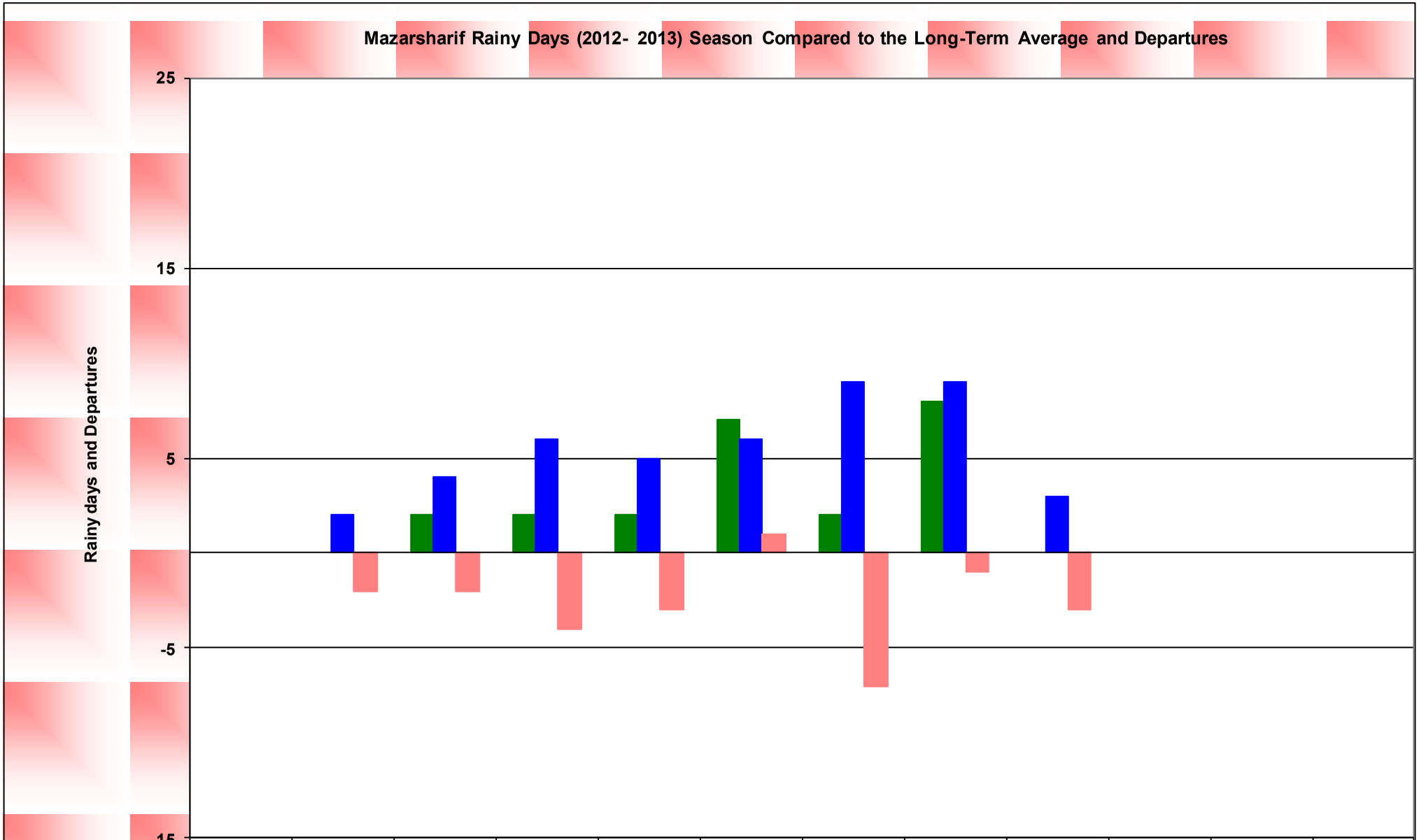
| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Rainy Days | 0 | 1 | 5 | 9 | 6 | 11 | 11 | 11 | 5 | 1 | 0 | 2 |
| Mean Rainy Days | 1 | 5 | 4 | 4 | 2 | 6 | 11 | 14 | 11 | 4 | 2 | 0 |
| Departure in days | -1 | -4 | 1 | 5 | 4 | 5 | 0 | -3 | -6 | -3 | -2 | 2 |




| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Rainy Days | 0 | 0 | 4 | 4 | 4 | 8 | 3 | 2 | 0 | 0 | 0 | 0 |
| Mean Rainy Days | 0 | 1 | 2 | 5 | 6 | 7 | 8 | 6 | 2 | 0 | 0 | 0 |
| Departure in days | 0 | -1 | 2 | -1 | -2 | 1 | -5 | -4 | -2 | 0 | 0 | 0 |

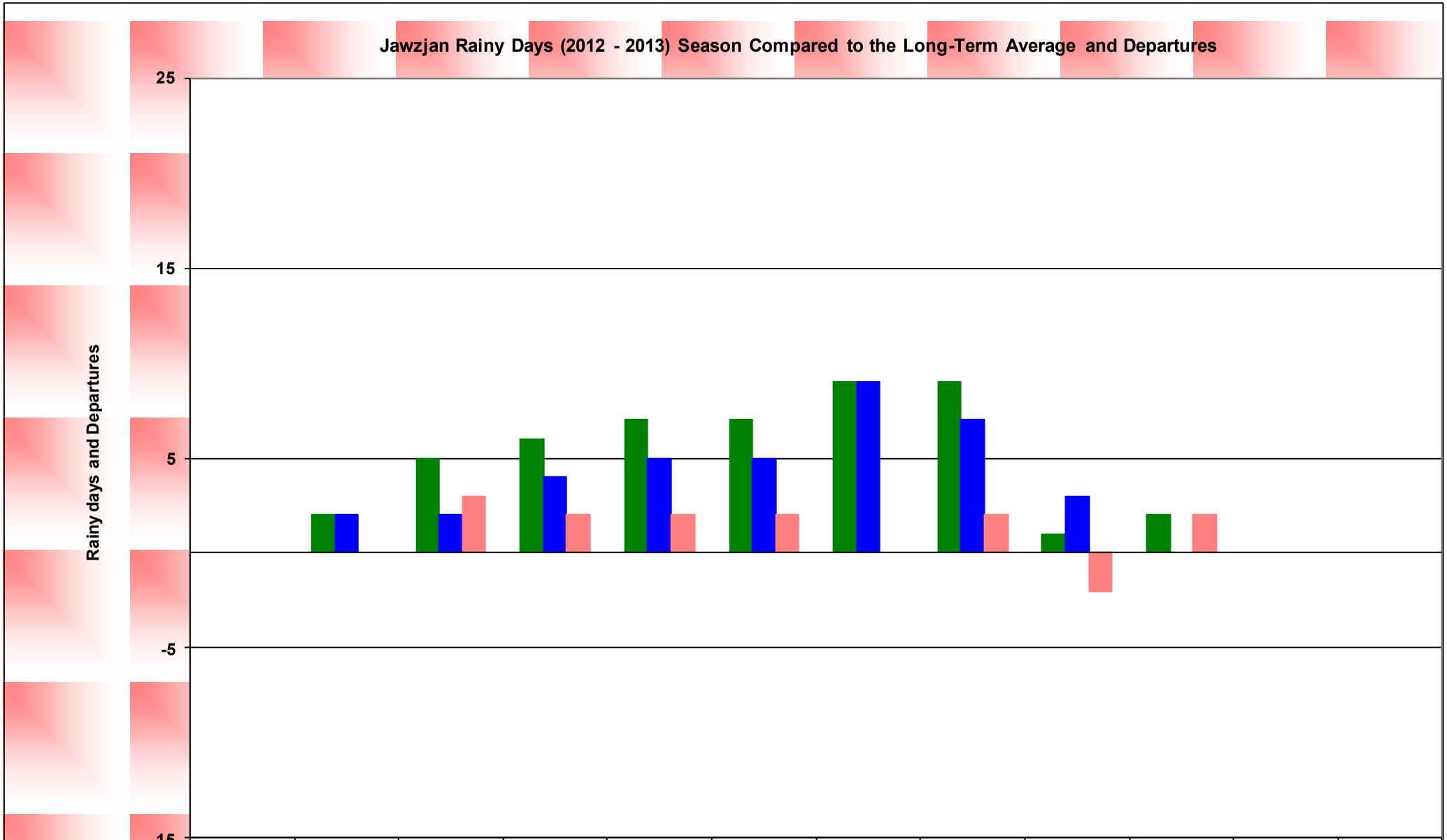



| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Rainy Days | 2 | 2 | 5 | 9 | 6 | 10 | 11 | 11 | 4 | 3 | 0 | 3 |
| Mean Rainy Days | 1 | 2 | 4 | 3 | 2 | 3 | 10 | 12 | 10 | 1 | 2 | 1 |
| Departure in days | 1 | 0 | 1 | 6 | 4 | 7 | 1 | -1 | -6 | 2 | -2 | 2 |

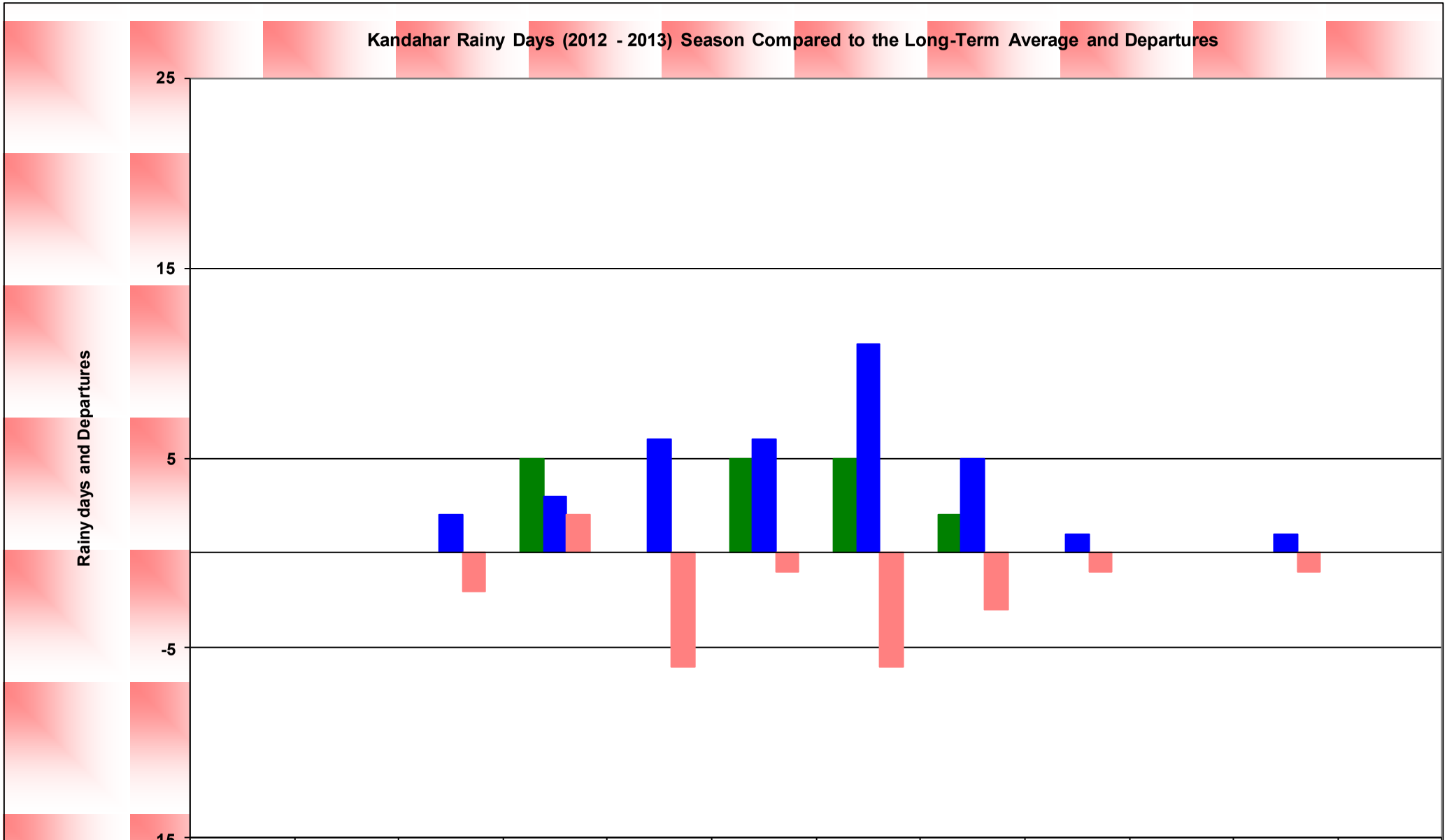



| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Rainy Days | 0 | 0 | 2 | 2 | 2 | 7 | 2 | 8 | 0 | 0 | 0 | 0 |
| Mean Rainy Days | 0 | 2 | 4 | 6 | 5 | 6 | 9 | 9 | 3 | 0 | 0 | 0 |
| Departure in days | 0 | -2 | -2 | -4 | -3 | 1 | -7 | -1 | -3 | 0 | 0 | 0 |

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Rainy Days | 0 | 3 | 4 | 6 | 6 | 7 | 14 | 6 | 0 | 0 | 0 | 0 |
| Mean Rainy Days | 0 | 3 | 4 | 5 | 5 | 6 | 11 | 10 | 4 | 0 | 0 | 0 |
| Departure in days | 0 | 0 | 0 | 1 | 1 | 1 | 3 | -4 | -4 | 0 | 0 | 0 |



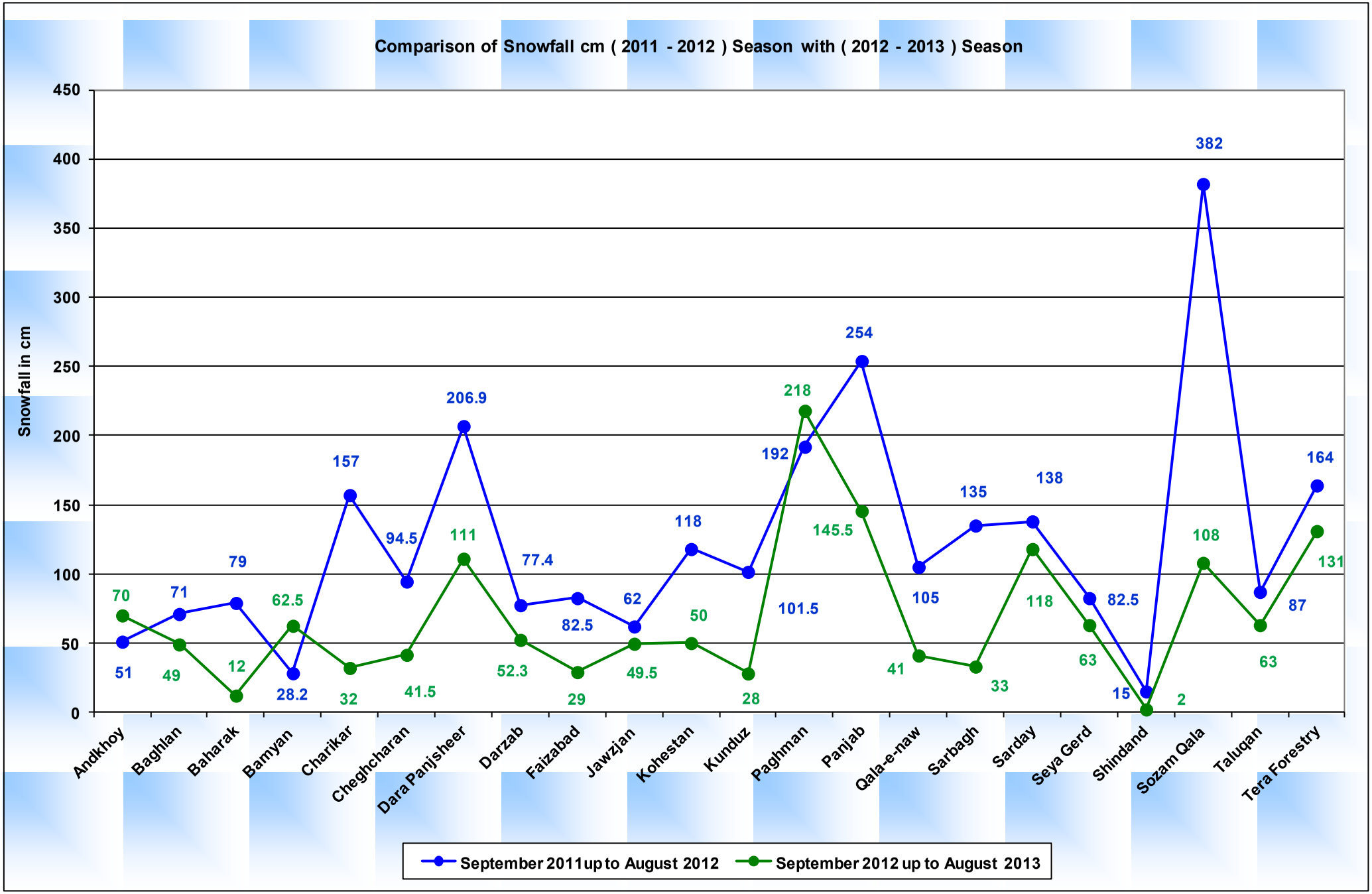

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Rainy Days | 0 | 2 | 5 | 6 | 7 | 7 | 9 | 9 | 1 | 2 | 0 | 0 |
| Mean Rainy Days | 0 | 2 | 2 | 4 | 5 | 5 | 9 | 7 | 3 | 0 | 0 | 0 |
| Departure in days | 0 | 0 | 3 | 2 | 2 | 2 | 0 | 2 | -2 | 2 | 0 | 0 |



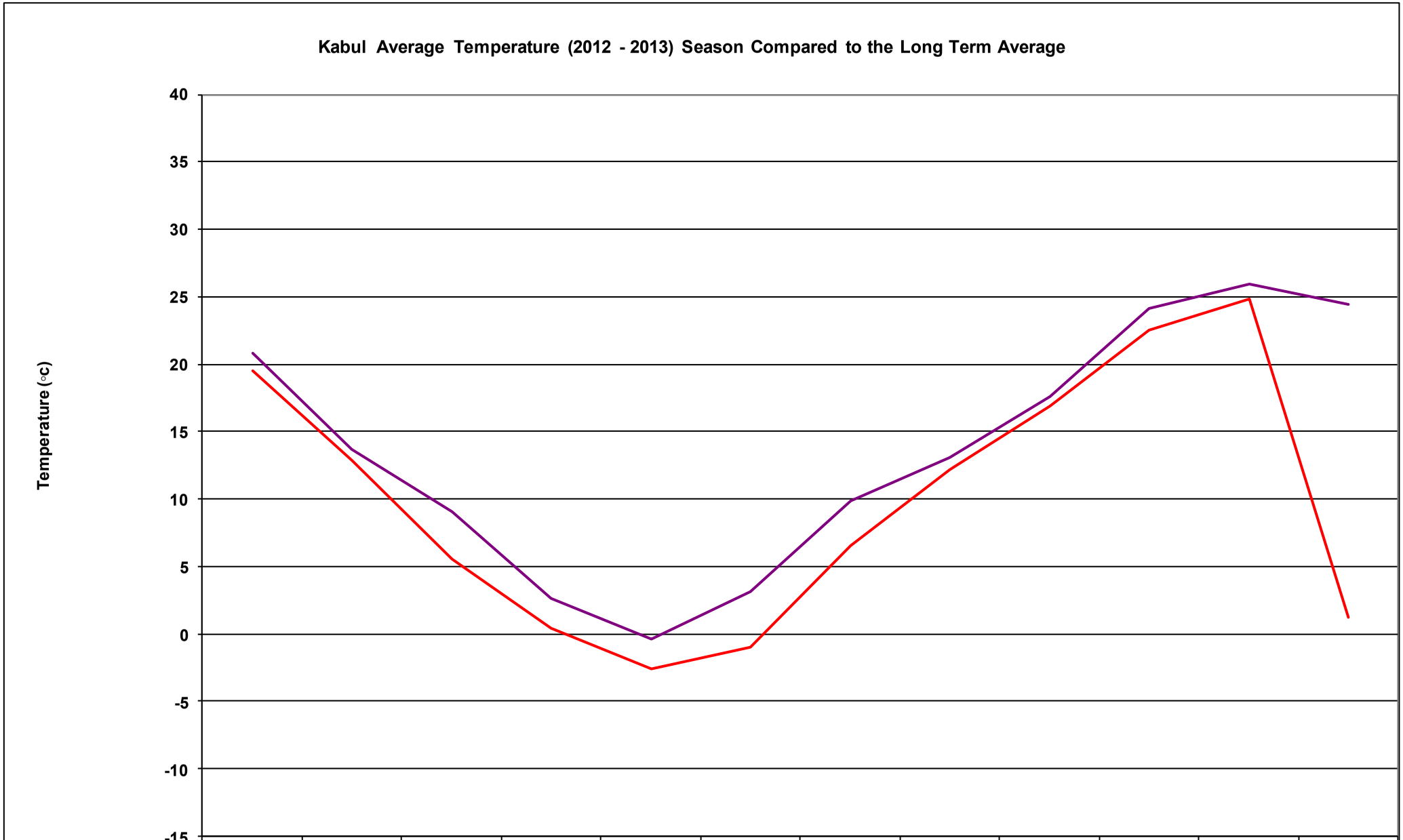

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Rainy Days | 0 | 0 | 0 | 5 | 0 | 5 | 5 | 2 | 0 | 0 | 0 | 0 |
| Mean Rainy Days | 0 | 0 | 2 | 3 | 6 | 6 | 11 | 5 | 1 | 0 | 1 | 0 |
| Departure in days | 0 | 0 | -2 | 2 | -6 | -1 | -6 | -3 | -1 | 0 | -1 | 0 |

| | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Rainy Days | 0 | 0 | 4 | 4 | 3 | 7 | 3 | 8 | 2 | 1 | 0 | 0 |
| Mean Rainy Days | 1 | 3 | 5 | 6 | 5 | 6 | 11 | 10 | 9 | 1 | 1 | 1 |
| Departure in days | -1 | -3 | -1 | -2 | -2 | 1 | -8 | -2 | -7 | 0 | -1 | -1 |

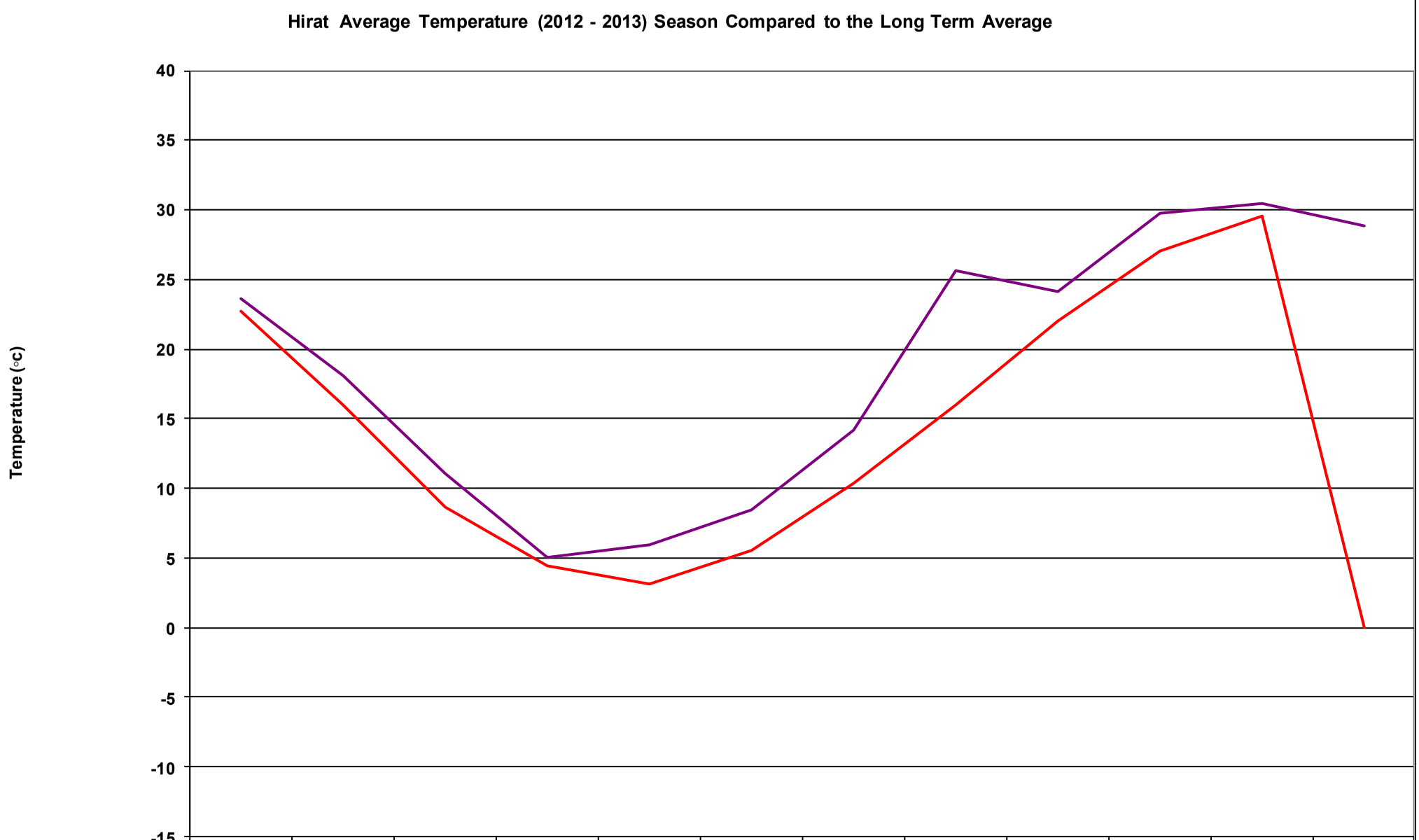
# Snowfall (cm) Current Year
# Compared with
# Last Year
# Agricultural (2012- 2013) Season


Comparison of Snowfall cm ( 2011 - 2012 ) Season with ( 2012 - 2013 ) Season
Snowfall in cm
450
400
350
300
250
200
150
100
50
0
Andkhoy
Baghlan
Baharak
Bamyan
Charikar
Cheghcharan
Dara Panjsheer
Darzab
Faizabad
Jawzjan
Kohestan
Kunduz
Paghman
Panjab
Qala-e-naw
Sarbagh
Sarday
Seya Gerd
Shindand
Sozam Qala
Taluqan
Tera Forestry
51
71
79
28.2
157
94.5
206.9
77.4
82.5
62
118
192
254
105
135
138
82.5
15
382
87
164
70
49
12
62.5
32
41.5
111
52.3
29
49.5
50
28
218
101.5
145.5
41
33
118
63
2
108
63
131
September 2011up to August 2012
September 2012 up to August 2013

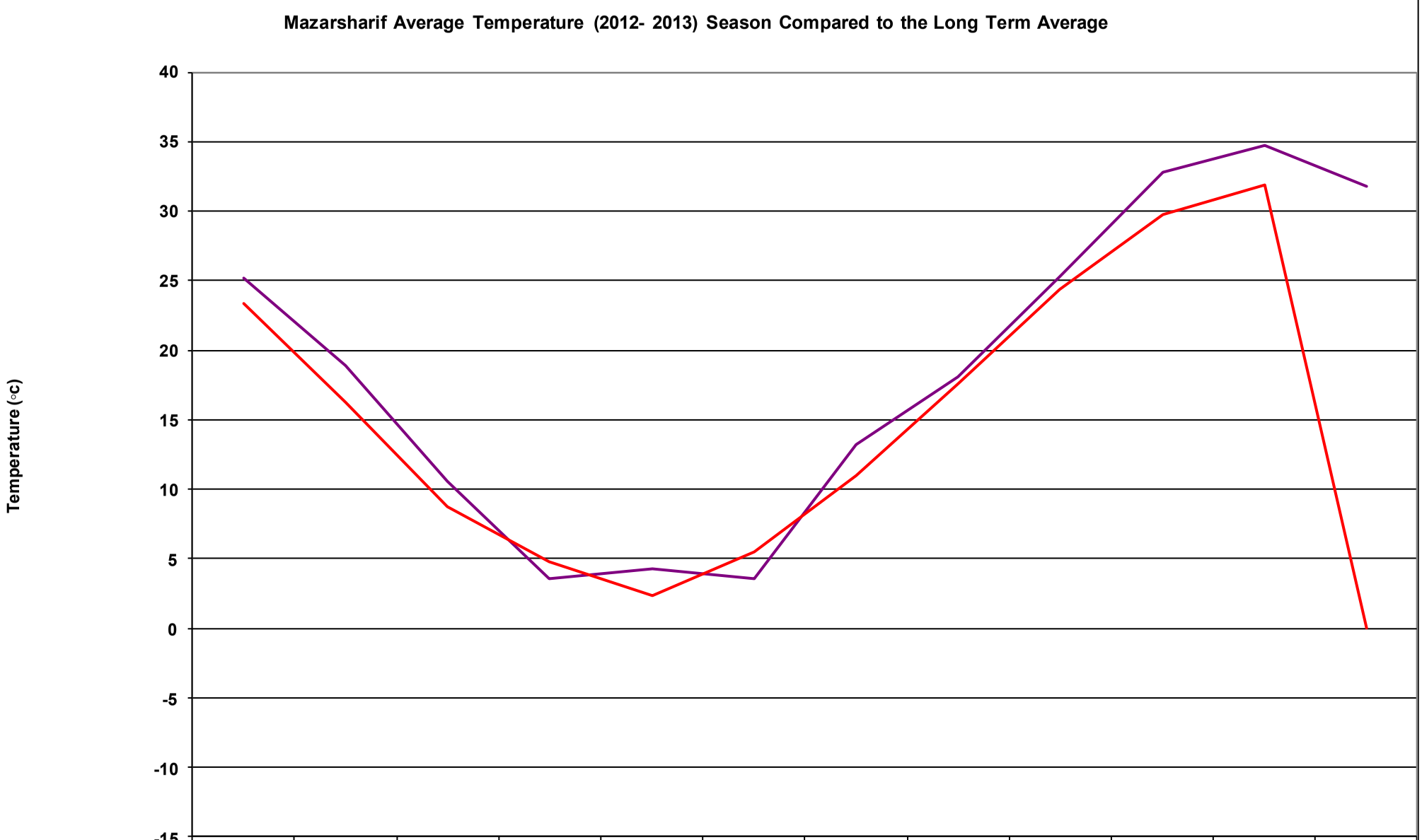
# Average Temperature (2012-2013) Season
# Compared with
# Long Term Average




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012-2013) | 20.8 | 13.7 | 9.06 | 2.61 | -0.33 | 3.1 | 9.88 | 13.1 | 17.6 | 24.1 | 26 | 24.4 |
| Long Term Avg | 19.5 | 12.9 | 5.6 | 0.4 | -2.6 | -1 | 6.6 | 12.2 | 16.9 | 22.5 | 24.8 | 1.2 |

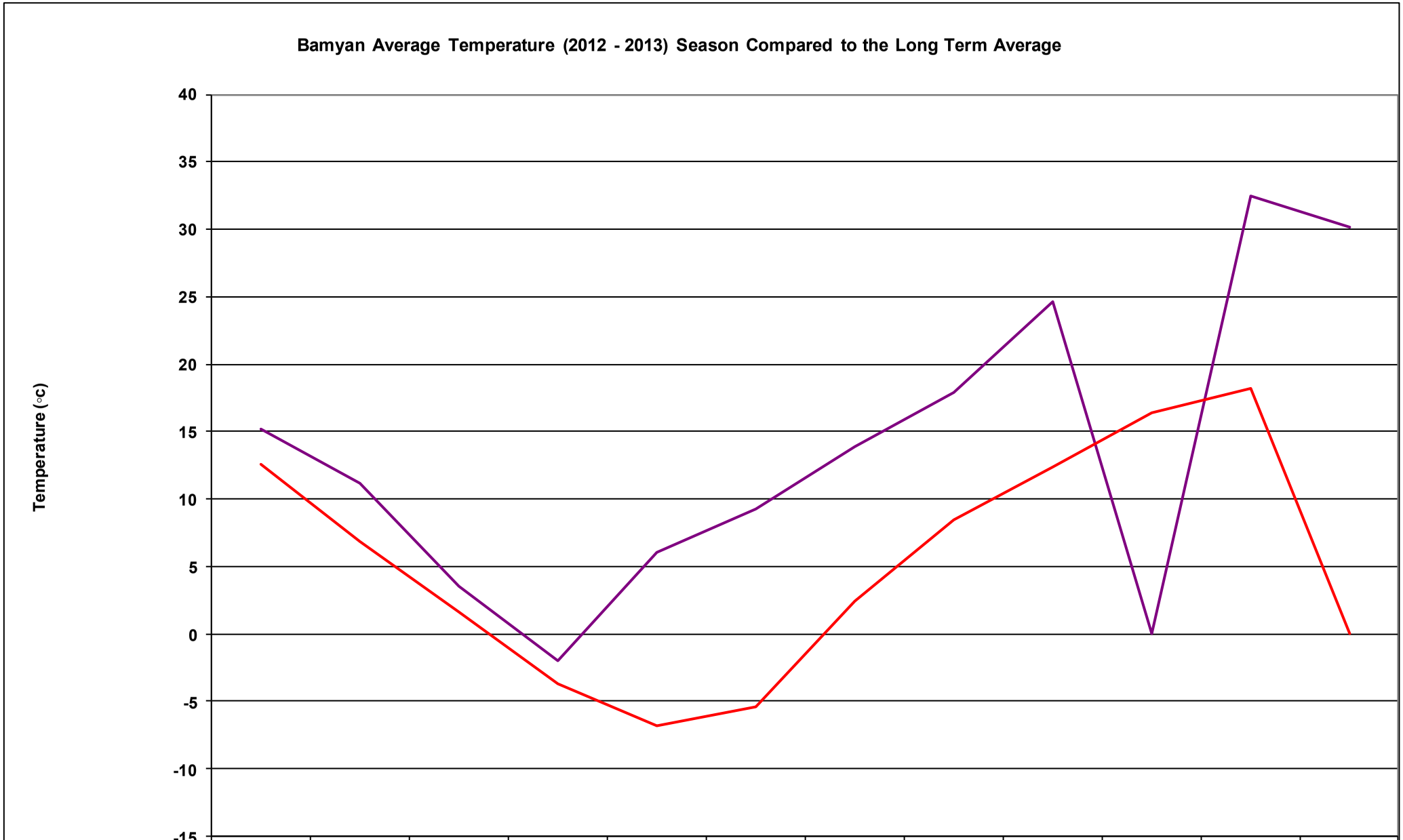



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012- 2013) | 23.6 | 18.1 | 11.1 | 5.02 | 5.99 | 8.44 | 14.2 | 25.6 | 24.1 | 29.8 | 30.5 | 28.9 |
| Long Term Avg | 22.7 | 16 | 8.7 | 4.4 | 3.1 | 5.6 | 10.4 | 16 | 22 | 27.1 | 29.6 | 0 |



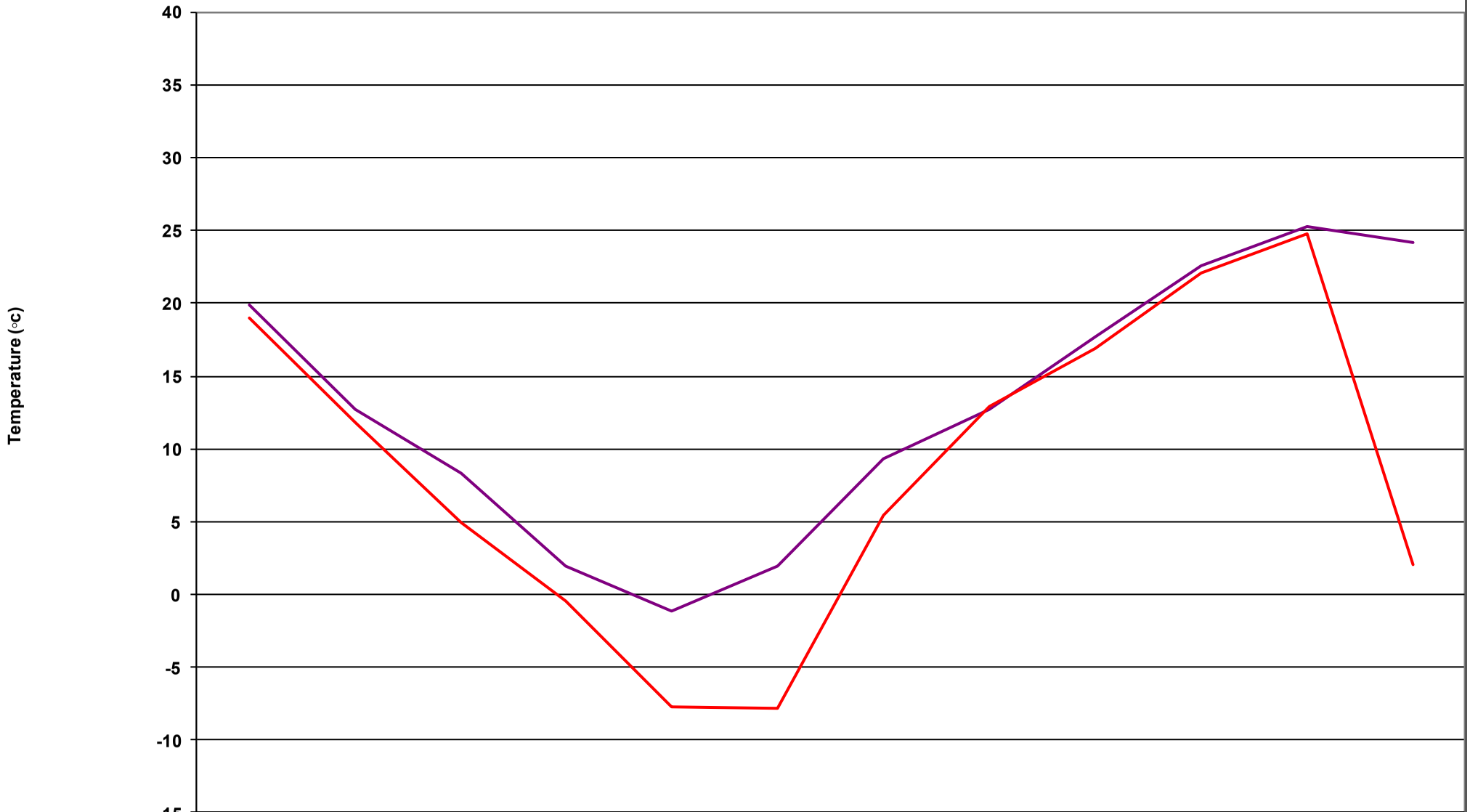

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012-2013) | 25.2 | 18.9 | 10.6 | 3.55 | 4.24 | 3.54 | 13.2 | 18.1 | 25.3 | 32.8 | 34.7 | 31.8 |
| Long Term Avg | 23.4 | 16.3 | 8.7 | 4.8 | 2.4 | 5.5 | 11 | 17.6 | 24.4 | 29.8 | 31.9 | 0 |

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012-2013) | 21.5 | 15.1 | 8.55 | -1.82 | 0.79 | 5.59 | 11.5 | 14.1 | 19.1 | 16.3 | 27.5 | 25.8 |
| Long Term Avg | 20.2 | 13.9 | 7.6 | 2.4 | -0.6 | 2 | 7.9 | 13.7 | 17.3 | 23.9 | 26.9 | 1.1 |

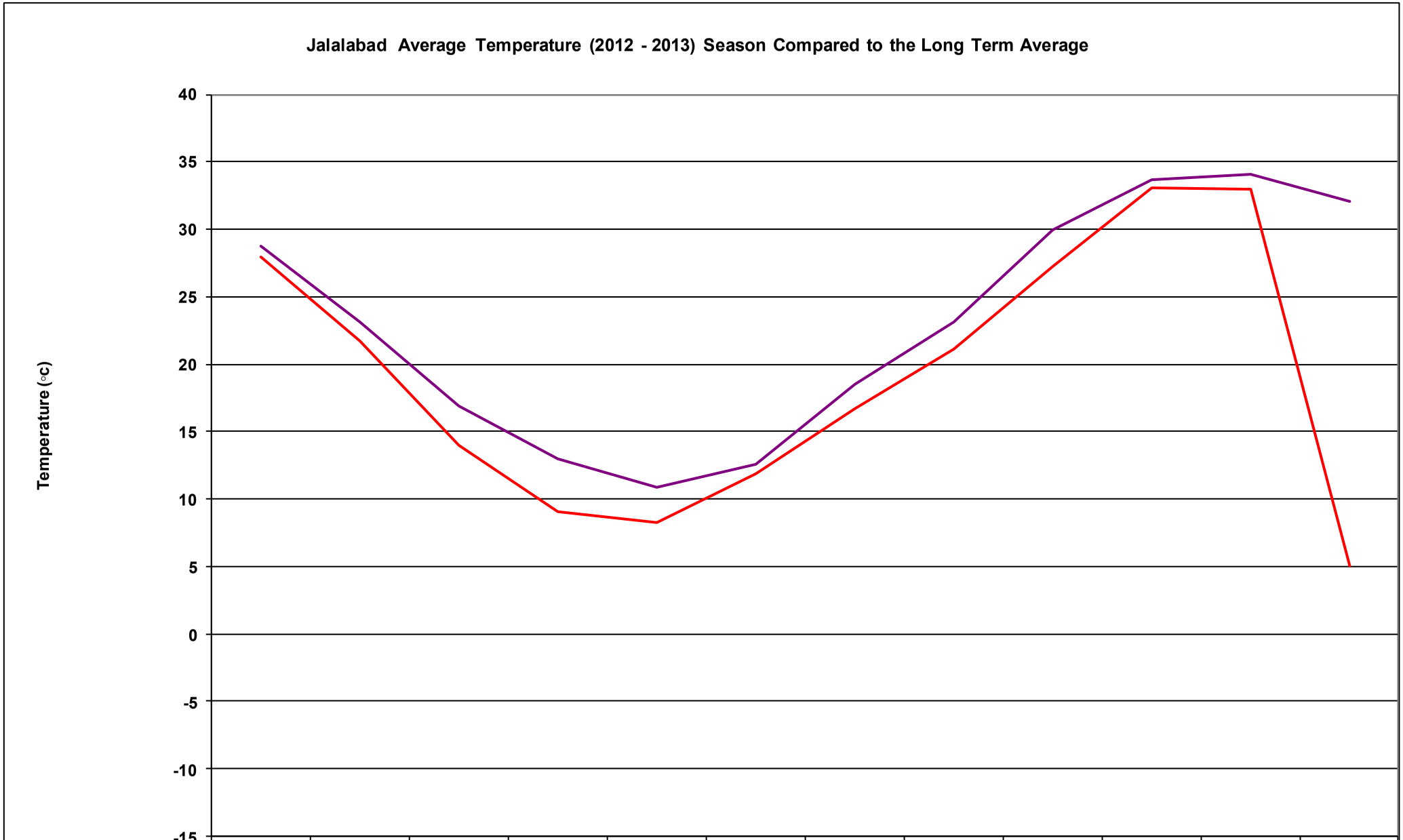



| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012-2013) | 15.2 | 11.2 | 3.5 | -1.99 | 6.04 | 9.3 | 13.9 | 17.9 | 24.6 | 0 | 32.5 | 30.2 |
| Long Term Avg | 12.6 | 6.9 | 1.6 | -3.7 | -6.8 | -5.4 | 2.4 | 8.5 | 12.4 | 16.4 | 18.2 | 0 |

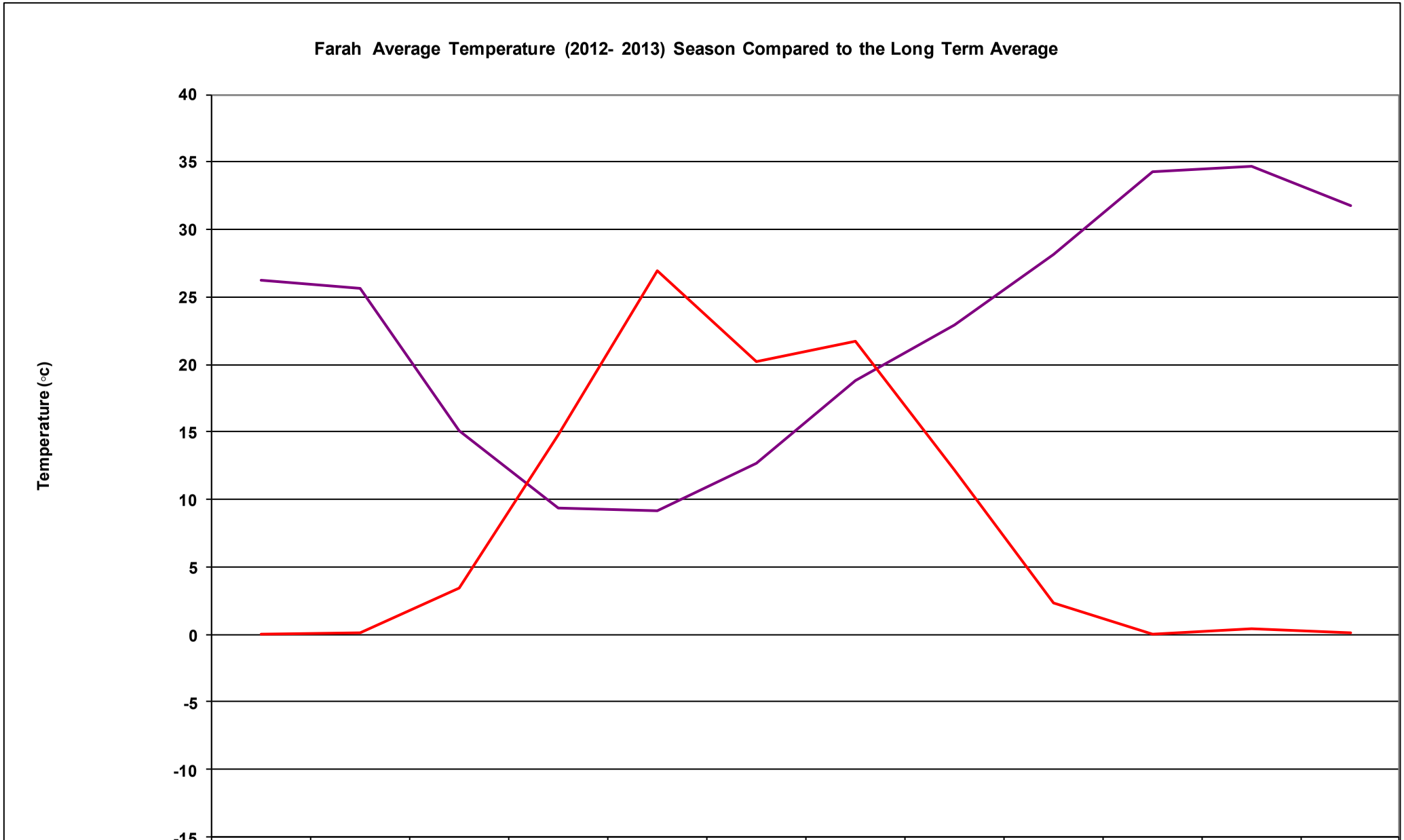
## Logar Average Temperature (2012 - 2013) Season Compared to the Long Term Average



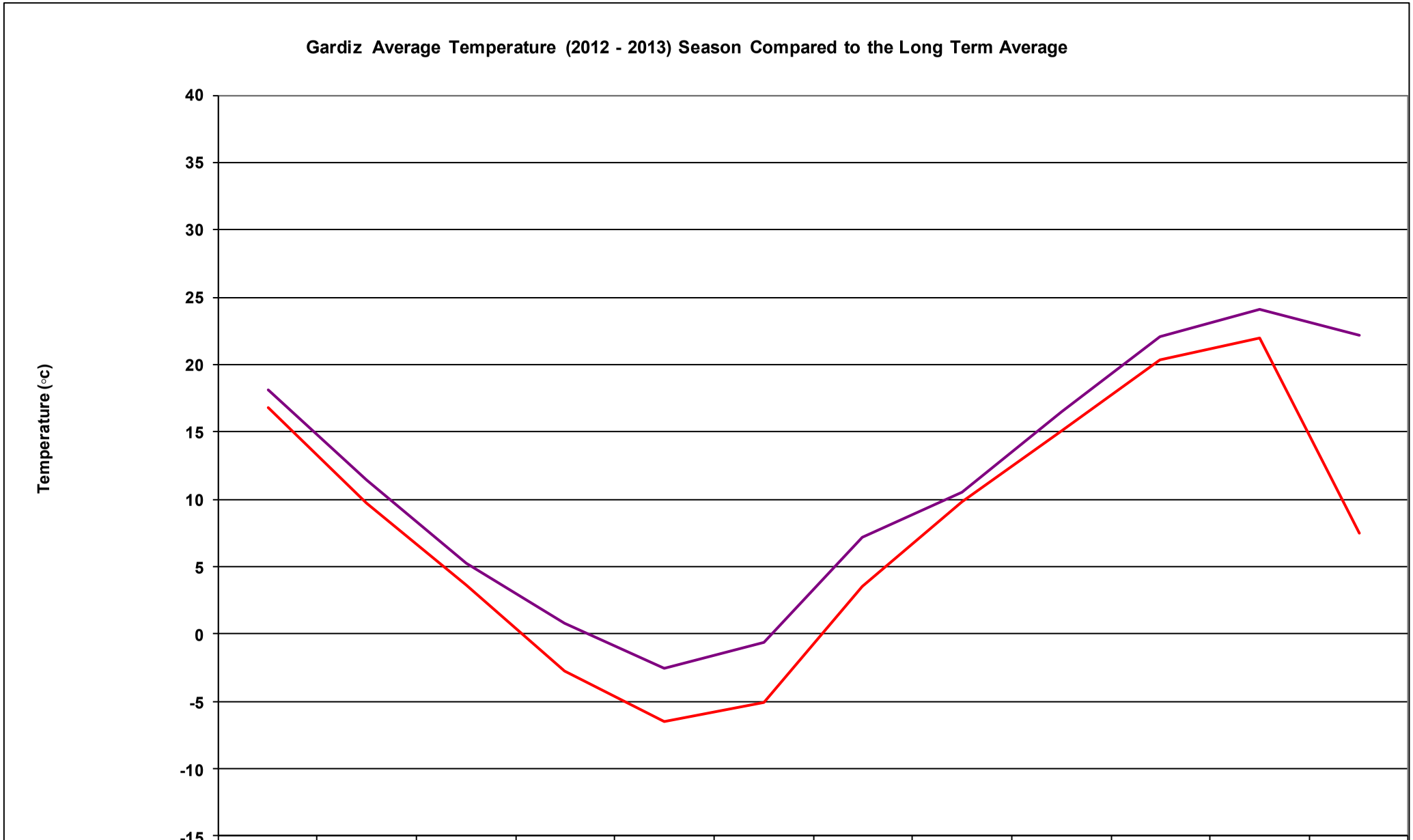

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012-2013) | 19.9 | 12.7 | 8.3 | 1.95 | -1.19 | 1.88 | 9.29 | 12.7 | 17.7 | 22.6 | 25.3 | 24.2 |
| Long Term Avg | 19 | 11.8 | 4.9 | -0.5 | -7.8 | -7.9 | 5.4 | 12.9 | 16.9 | 22.1 | 24.8 | 2 |



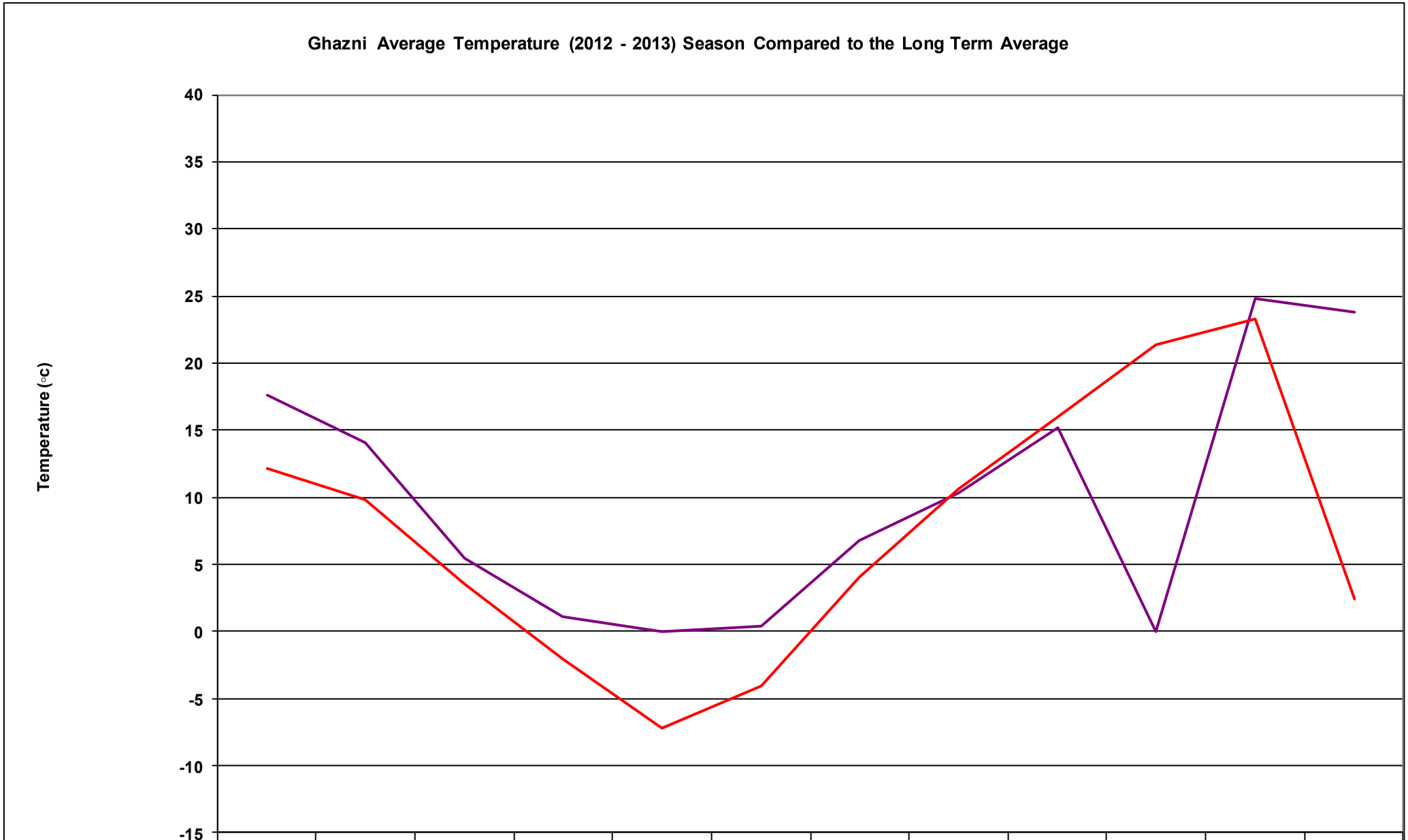

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012-2013) | 28.8 | 23.1 | 16.9 | 13 | 10.9 | 12.6 | 18.5 | 23.1 | 30 | 33.7 | 34.1 | 32.1 |
| Long Term Avg | 28 | 21.7 | 14 | 9.1 | 8.3 | 11.9 | 16.7 | 21.1 | 27.3 | 33.1 | 33 | 5 |



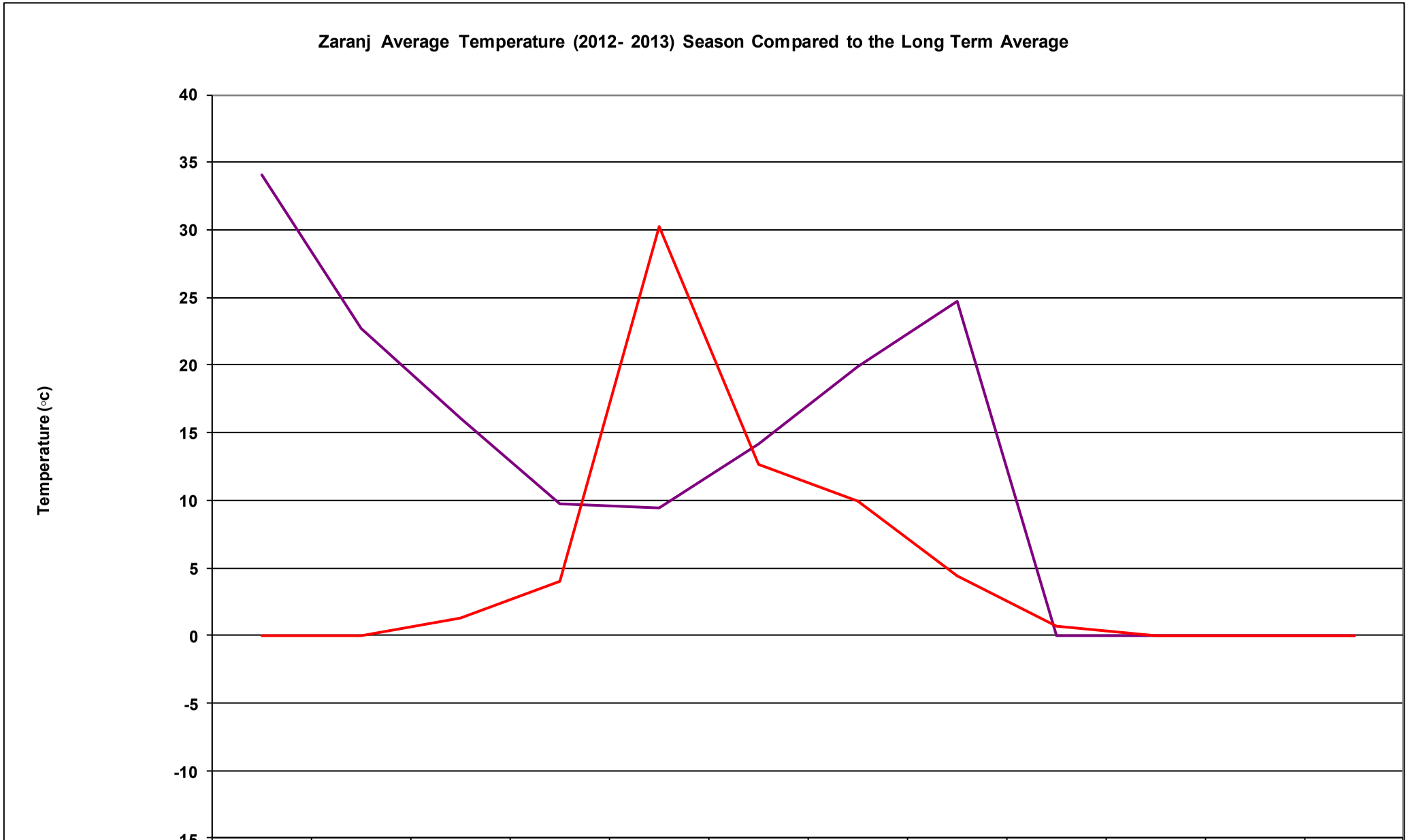

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012-2013) | 26.3 | 25.6 | 15.1 | 9.39 | 9.15 | 12.7 | 18.8 | 22.9 | 28.2 | 34.3 | 34.7 | 31.8 |
| Long Term Avg | 0 | 0.1 | 3.4 | 14.8 | 27 | 20.2 | 21.7 | 12.2 | 2.3 | 0 | 0.4 | 0.1 |



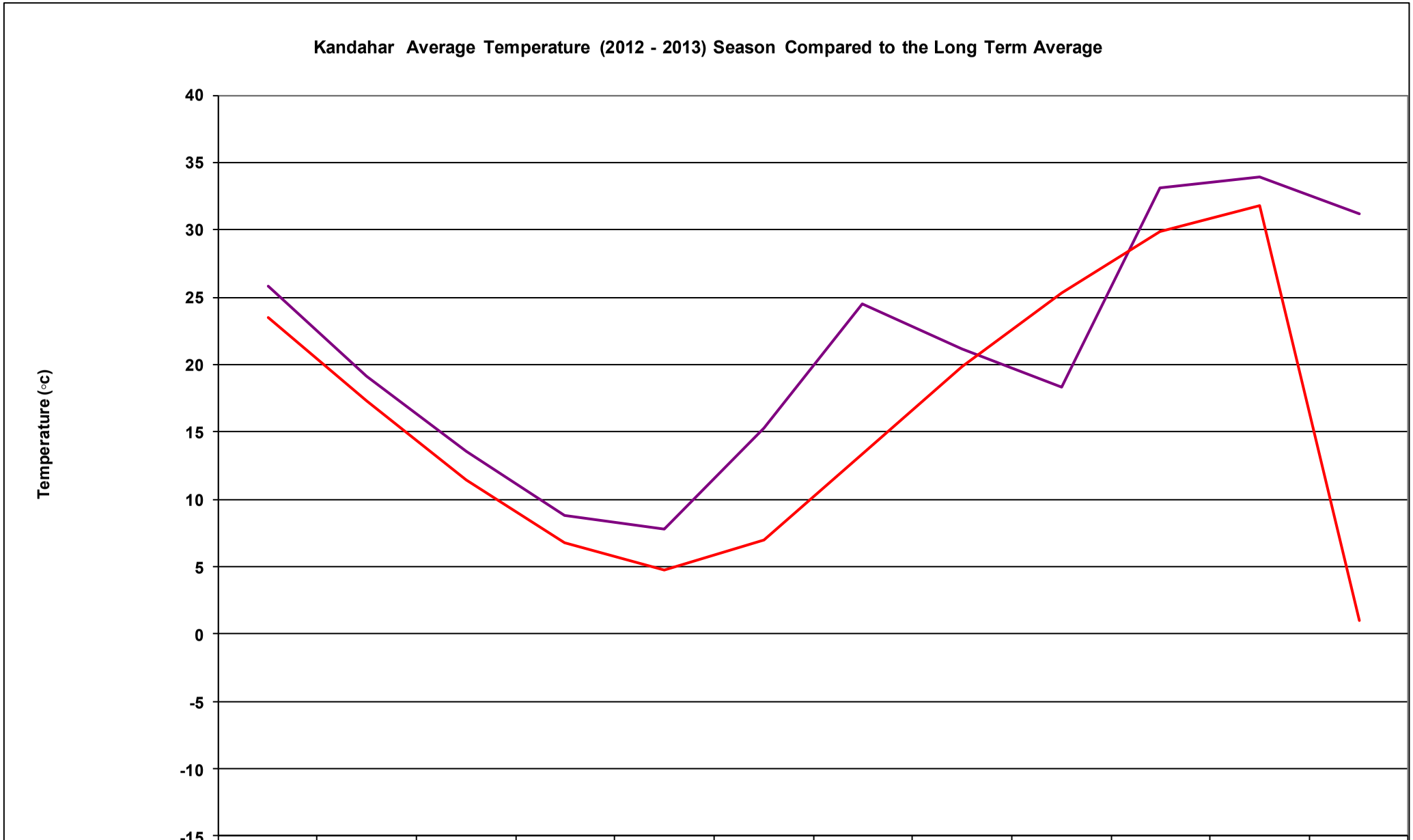

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012- 2013) | 18.1 | 11.4 | 5.3 | 0.8 | -2.56 | -0.6 | 7.21 | 10.5 | 16.5 | 22.1 | 24.1 | 22.2 |
| Long Term Avg | 16.8 | 9.7 | 3.6 | -2.7 | -6.5 | -5.1 | 3.5 | 9.8 | 15.1 | 20.4 | 22 | 7.5 |



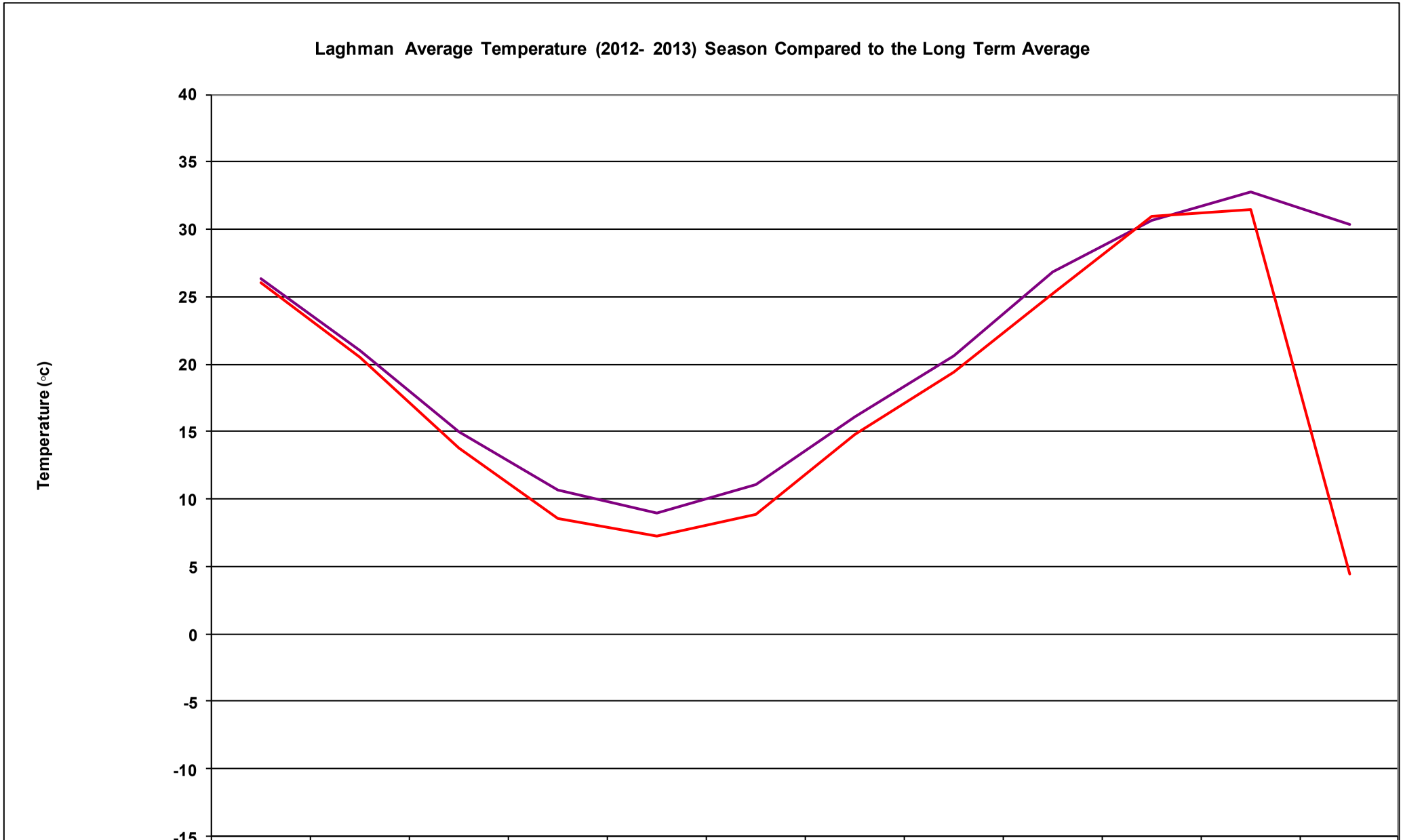

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012- 2013) | 17.6 | 14.1 | 5.43 | 1.1 | 0 | 0.43 | 6.81 | 10.3 | 15.2 | 0 | 24.8 | 23.8 |
| Long Term Avg | 12.1 | 9.8 | 3.5 | -2 | -7.2 | -4.1 | 4 | 10.6 | 16 | 21.4 | 23.3 | 2.4 |




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012-2013) | 34.1 | 22.7 | 16.1 | 9.73 | 9.46 | 14.2 | 19.9 | 24.7 | 0 | 0 | 0 | 0 |
| Long Term Avg | 0 | 0 | 1.3 | 4 | 30.3 | 12.7 | 9.9 | 4.4 | 0.7 | 0 | 0 | 0 |

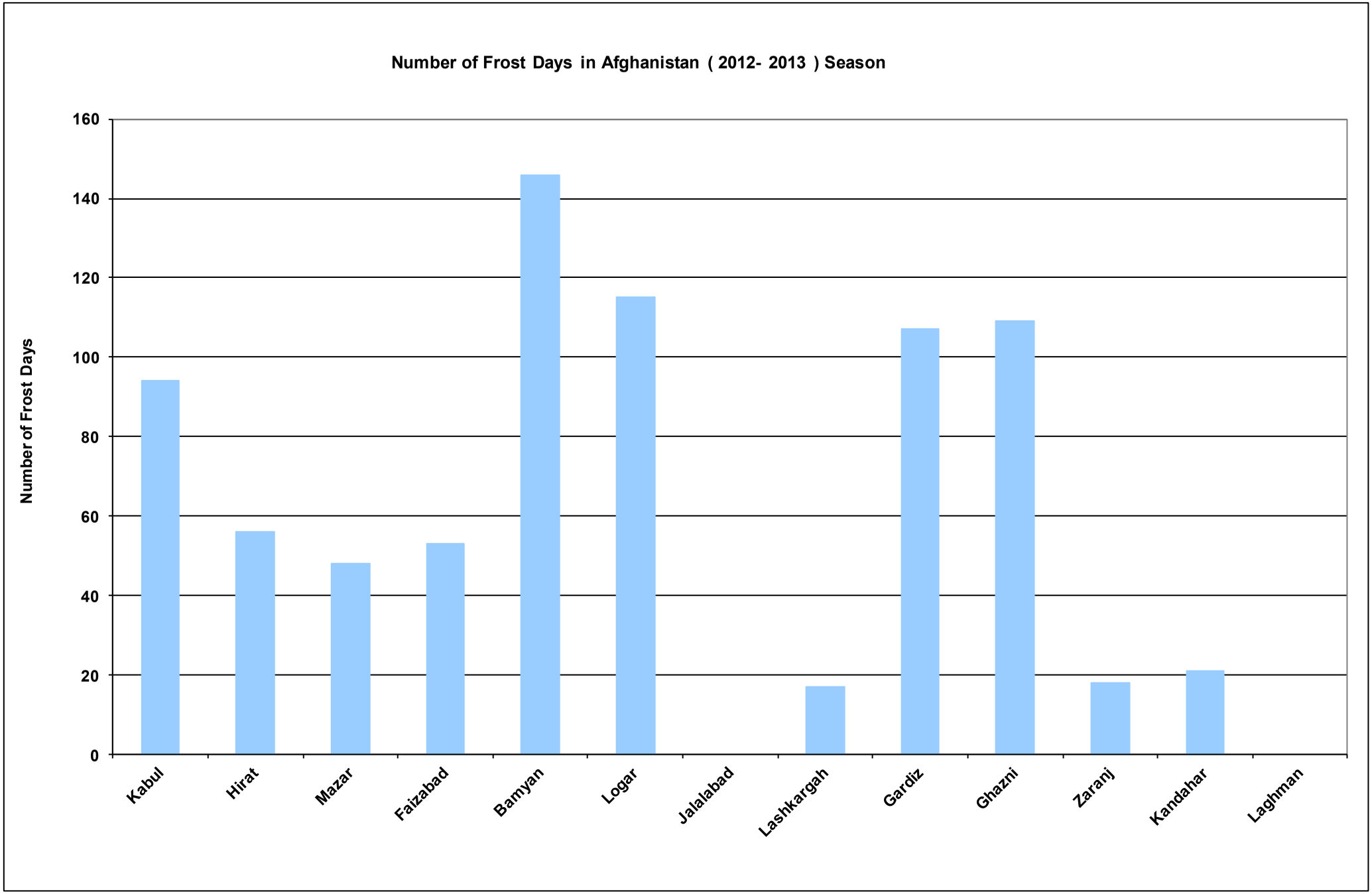


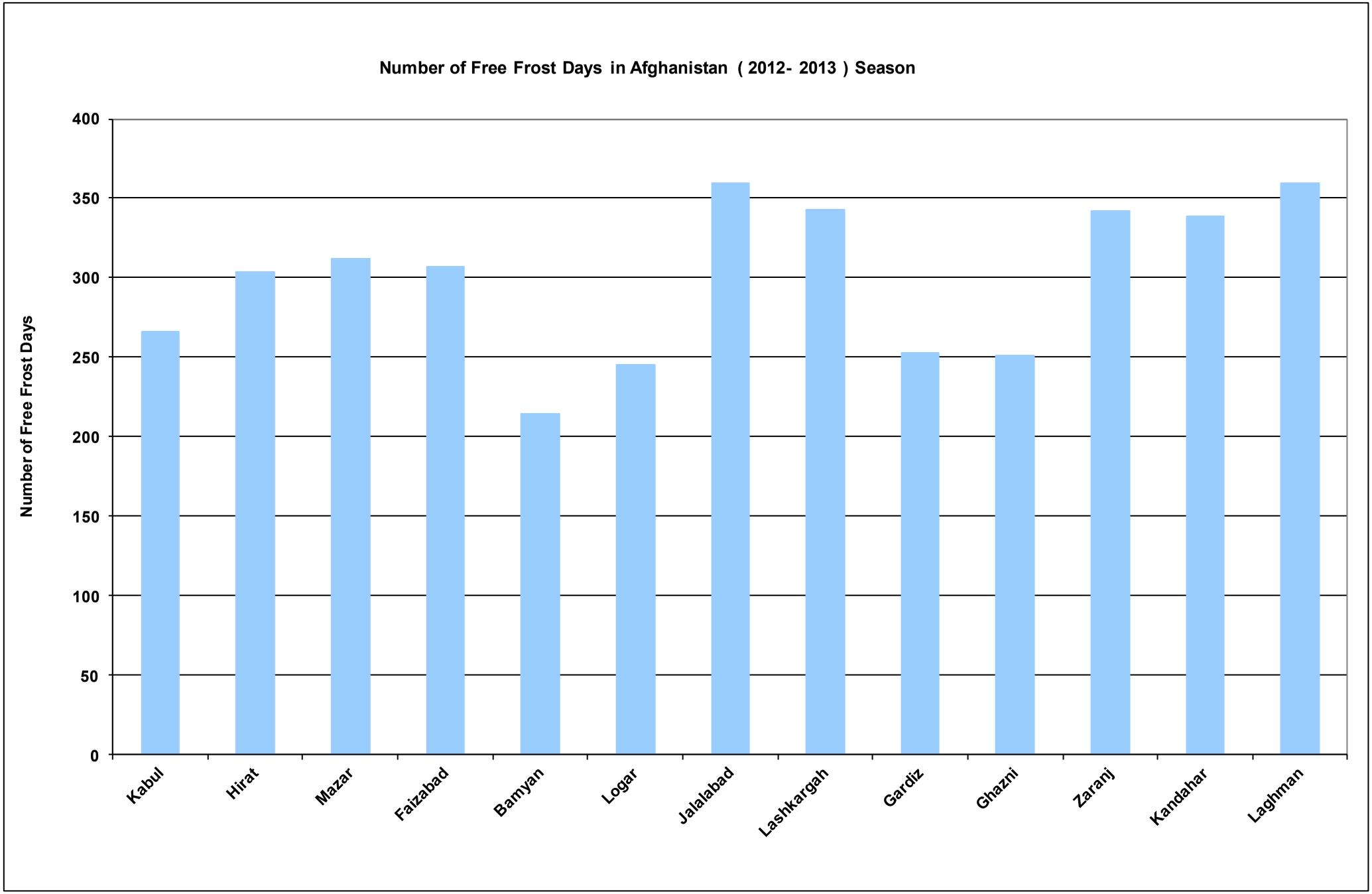

| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012- 2013) | 25.8 | 19.1 | 13.6 | 8.77 | 7.79 | 15.3 | 24.5 | 21.2 | 18.3 | 33.1 | 33.9 | 31.2 |
| Long Term Avg | 23.5 | 17.3 | 11.4 | 6.8 | 4.8 | 7 | 13.4 | 19.9 | 25.3 | 29.9 | 31.8 | 1 |




| | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avg.(2012-2013) | 26.4 | 21 | 15 | 10.7 | 8.99 | 11.1 | 16.1 | 20.6 | 26.9 | 30.7 | 32.8 | 30.4 |
| Long Term Avg | 26.1 | 20.5 | 13.8 | 8.6 | 7.3 | 8.9 | 14.8 | 19.4 | 25.2 | 31 | 31.5 | 4.4 |

# Frost Days
# Compared with
# Last Year and Long Term Average
# Agricultural (2012 - 2013) Season


Number of Frost Days in Afghanistan ( 2012- 2013 ) Season
Number of Frost Days
160
140
120
100
80
60
40
20
0
Kabul
Hirat
Mazar
Faizabad
Bamyan
Logar
Jalalabad
Lashkargah
Gardiz
Ghazni
Zaranj
Kandahar
Laghman


Number of Free Frost Days in Afghanistan ( 2012- 2013 ) Season
Number of Free Frost Days
400
350
300
250
200
150
100
50
0
Kabul
Hirat
Mazar
Faizabad
Bamyan
Logar
Jalalabad
Lashkargah
Gardiz
Ghazni
Zaranj
Kandahar
Laghman