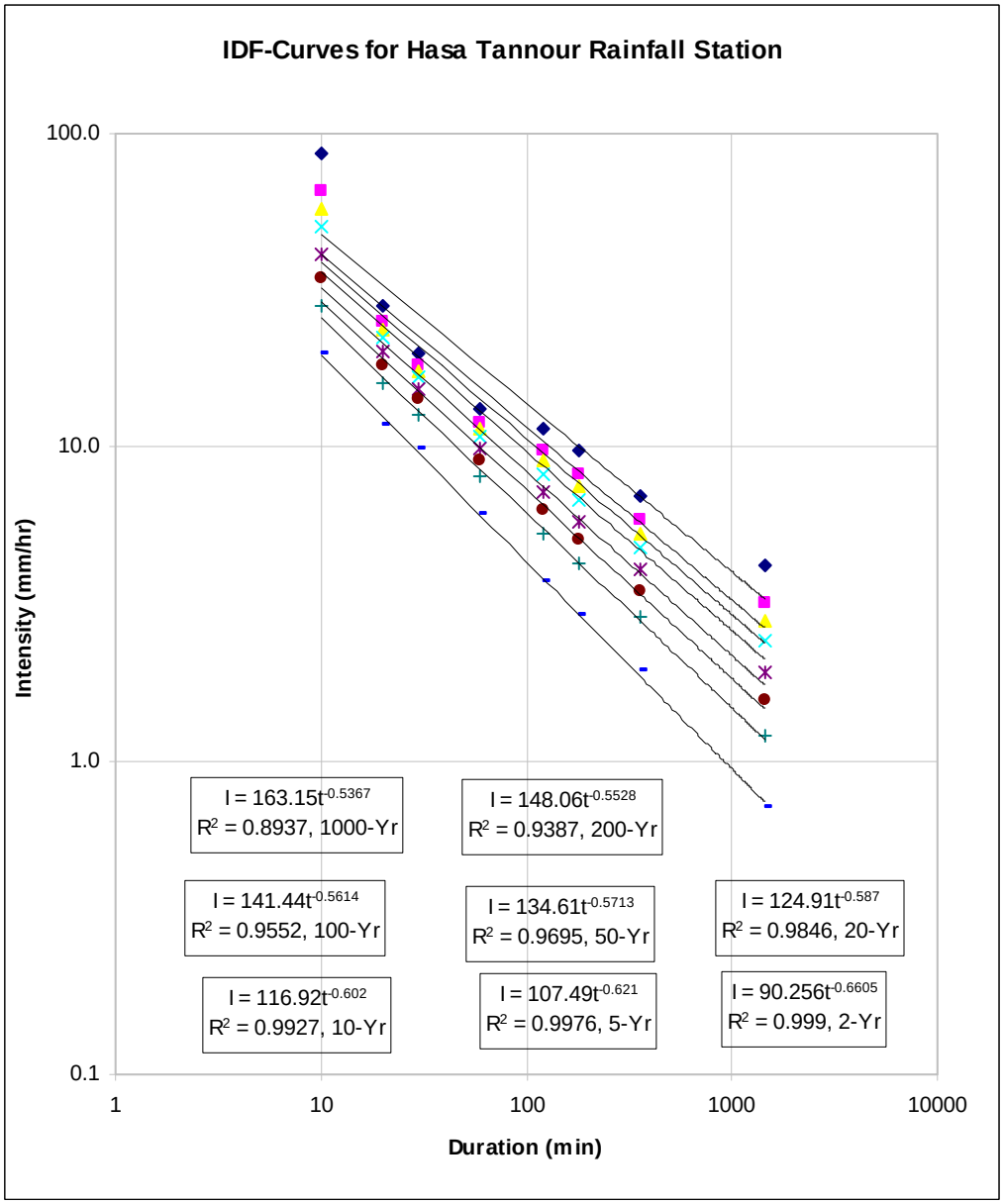
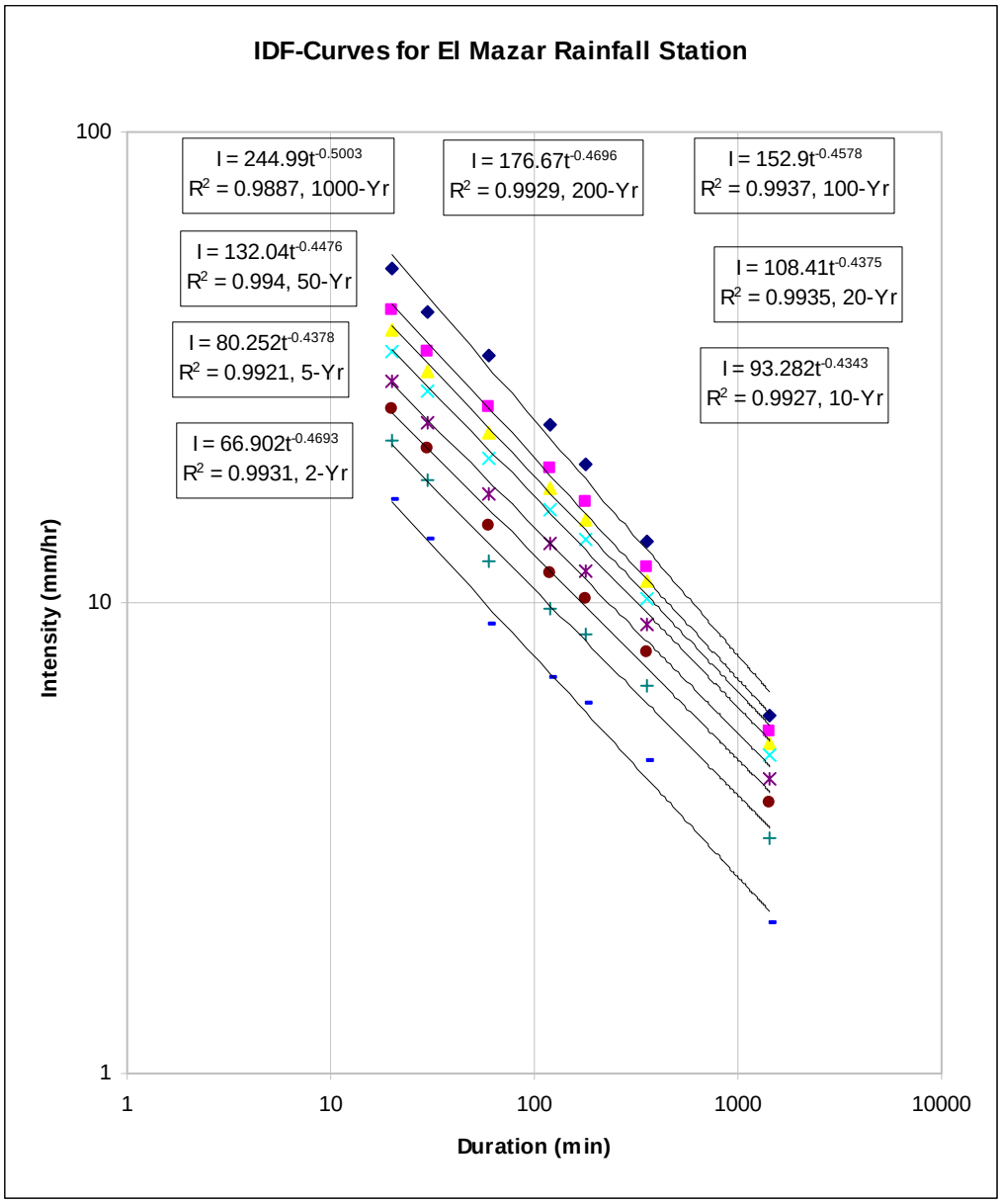
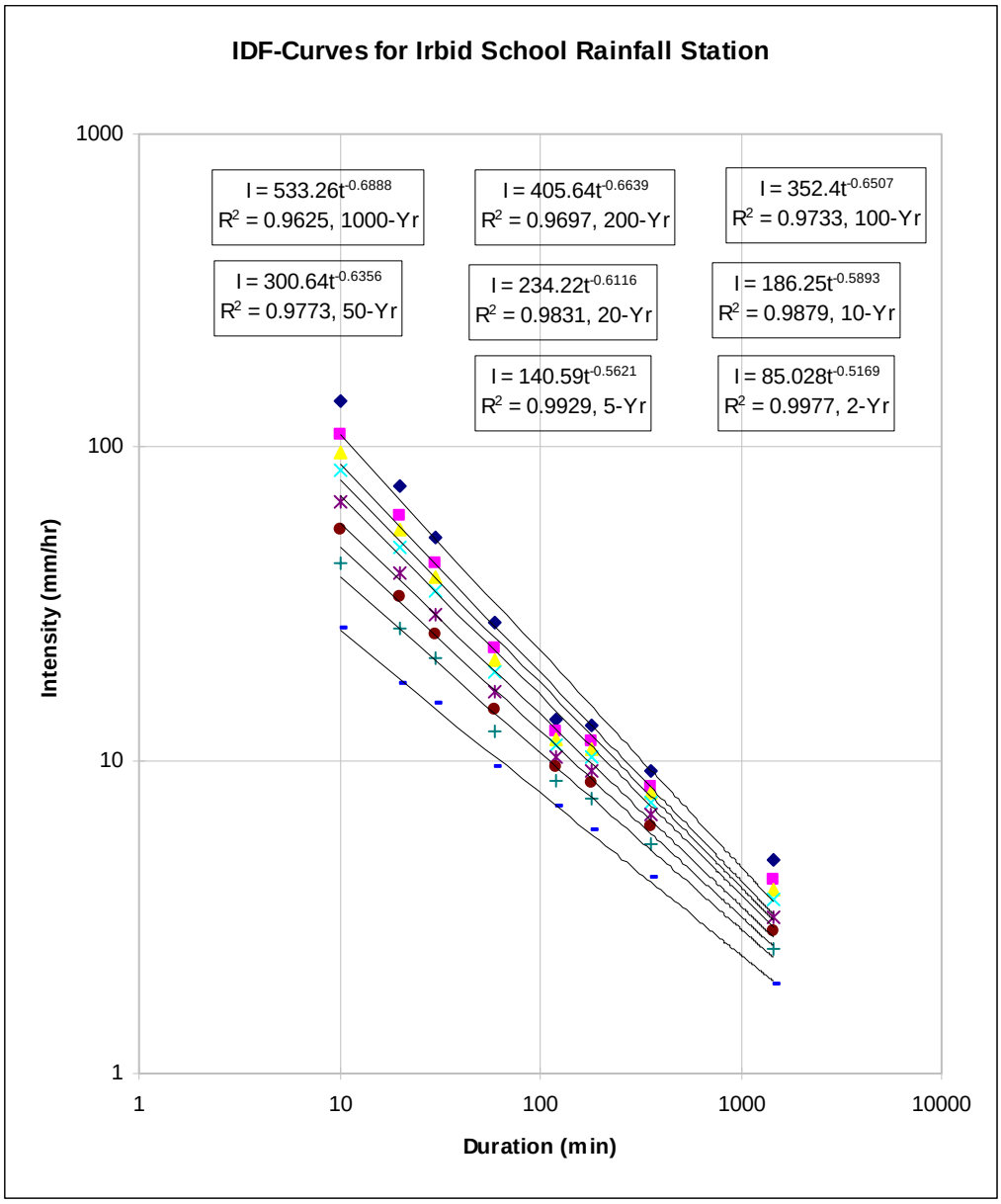
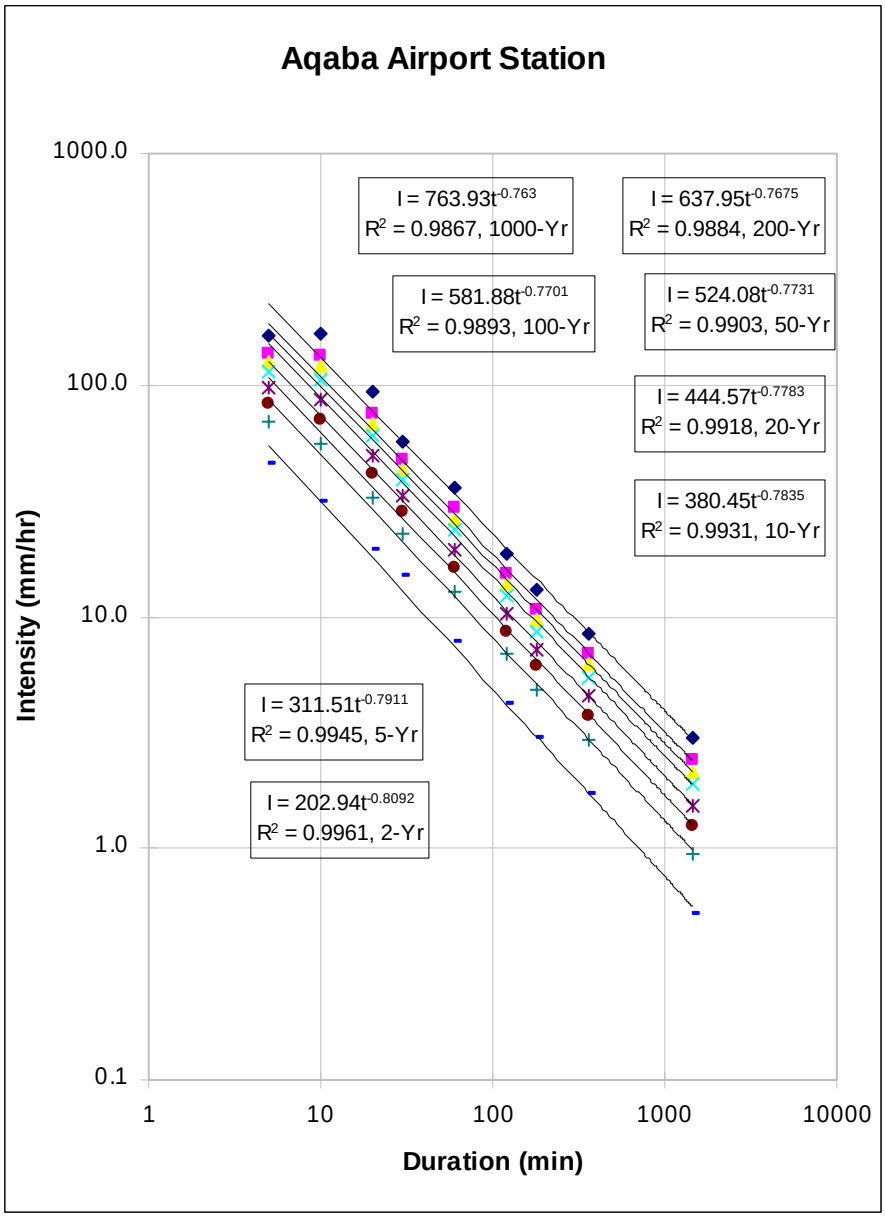
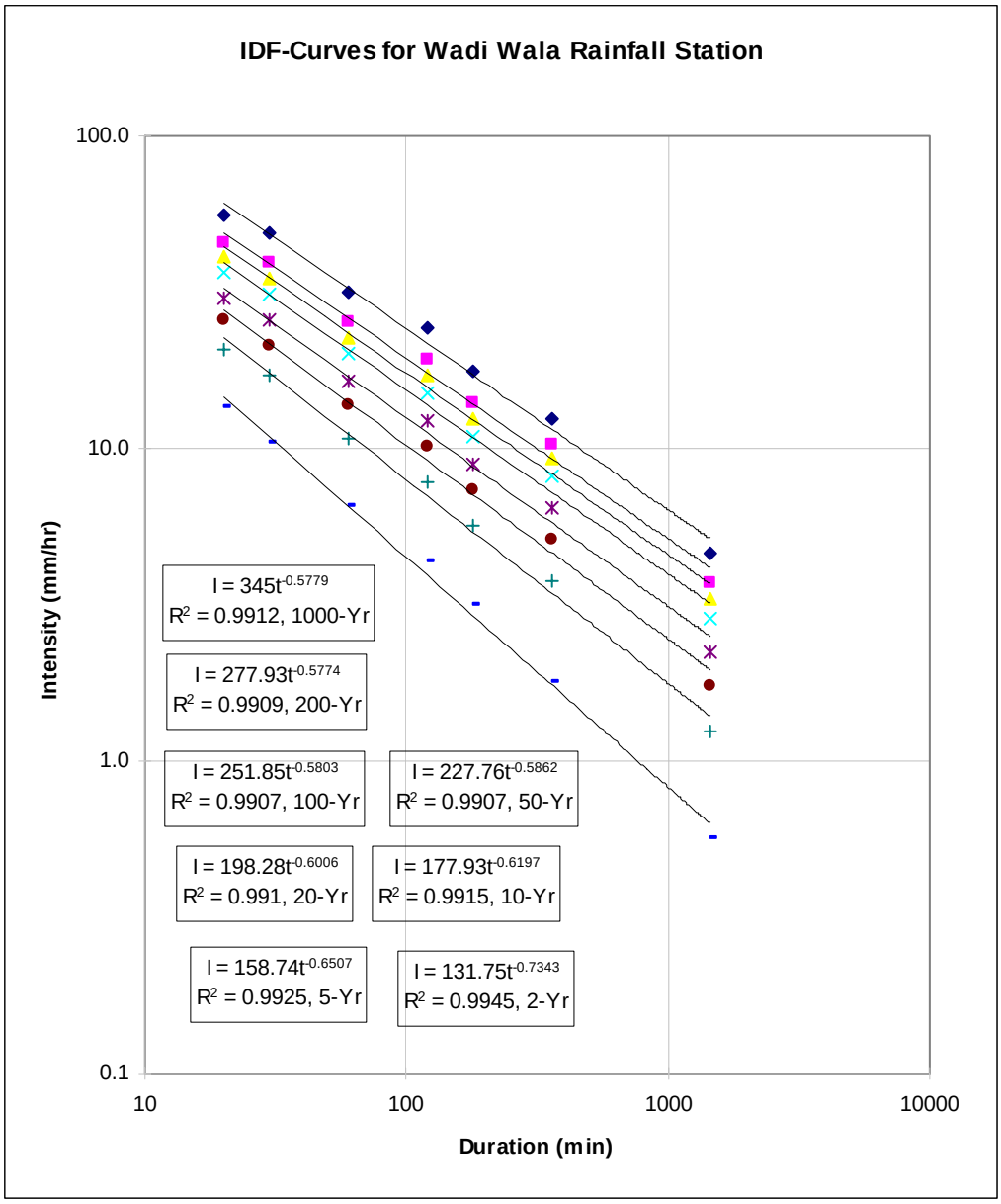
ANNEX C9: IDF-CURVES

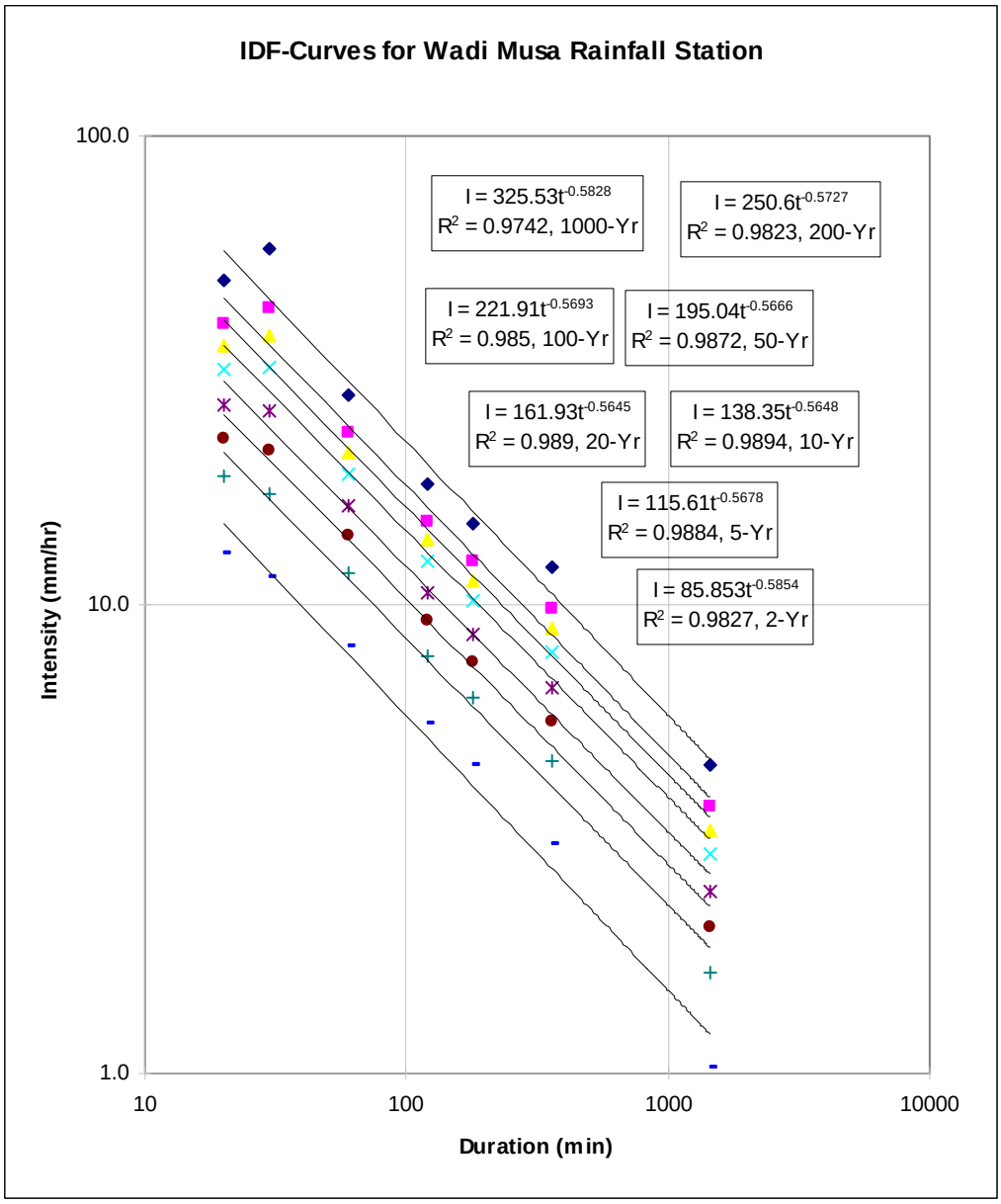



IDF-Curves for El Mazar Rainfall Station
I = 244.99t-0.5003
R2 = 0.9887, 1000-Yr
I = 176.67t-0.4696
R2 = 0.9929, 200-Yr
I = 152.9t-0.4578
R2 = 0.9937, 100-Yr
I = 132.04t-0.4476
R2 = 0.994, 50-Yr
I = 108.41t-0.4375
R2 = 0.9935, 20-Yr
I = 80.252t-0.4378
R2 = 0.9921, 5-Yr
I = 93.282t-0.4343
R2 = 0.9927, 10-Yr
I = 66.902t-0.4693
R2 = 0.9931, 2-Yr
Intensity (mm/hr)
100
10
1
1
10
100
1000
10000
Duration (min)


IDF-Curves for Irbid School Rainfall Station
I = 533.26t-0.6888
R2 = 0.9625, 1000-Yr
I = 405.64t-0.6639
R2 = 0.9697, 200-Yr
I = 352.4t-0.6507
R2 = 0.9733, 100-Yr
I = 300.64t-0.6356
R2 = 0.9773, 50-Yr
I = 234.22t-0.6116
R2 = 0.9831, 20-Yr
I = 186.25t-0.5893
R2 = 0.9879, 10-Yr
I = 140.59t-0.5621
R2 = 0.9929, 5-Yr
I = 85.028t-0.5169
R2 = 0.9977, 2-Yr
Intensity (mm/hr)
1000
100
10
1
1
10
100
1000
10000
Duration (min)


Aqaba Airport Station
1000.0
100.0
10.0
1.0
0.1
Intensity (mm/hr)
1
10
100
1000
10000
Duration (min)
I = 763.93t-0.763
R2 = 0.9867, 1000-Yr
I = 637.95t-0.7675
R2 = 0.9884, 200-Yr
I = 581.88t-0.7701
R2 = 0.9893, 100-Yr
I = 524.08t-0.7731
R2 = 0.9903, 50-Yr
I = 444.57t-0.7783
R2 = 0.9918, 20-Yr
I = 380.45t-0.7835
R2 = 0.9931, 10-Yr
I = 311.51t-0.7911
R2 = 0.9945, 5-Yr
I = 202.94t-0.8092
R2 = 0.9961, 2-Yr


IDF-Curves for Wadi Wala Rainfall Station
100.0
10.0
1.0
0.1
Intensity (mm/hr)
10
100
1000
10000
Duration (min)
I = 345t-0.5779
R2 = 0.9912, 1000-Yr
I = 277.93t-0.5774
R2 = 0.9909, 200-Yr
I = 251.85t-0.5803
R2 = 0.9907, 100-Yr
I = 227.76t-0.5862
R2 = 0.9907, 50-Yr
I = 198.28t-0.6006
R2 = 0.991, 20-Yr
I = 177.93t-0.6197
R2 = 0.9915, 10-Yr
I = 158.74t-0.6507
R2 = 0.9925, 5-Yr
I = 131.75t-0.7343
R2 = 0.9945, 2-Yr


IDF-Curves for Wadi Musa Rainfall Station
I = 325.53t-0.5828
R2 = 0.9742, 1000-Yr
I = 250.6t-0.5727
R2 = 0.9823, 200-Yr
I = 221.91t-0.5693
R2 = 0.985, 100-Yr
I = 195.04t-0.5666
R2 = 0.9872, 50-Yr
I = 161.93t-0.5645
R2 = 0.989, 20-Yr
I = 138.35t-0.5648
R2 = 0.9894, 10-Yr
I = 115.61t-0.5678
R2 = 0.9884, 5-Yr
I = 85.853t-0.5854
R2 = 0.9827, 2-Yr
Intensity (mm/hr)
100.0
10.0
1.0
10
100
1000
10000
Duration (min)