1.3 Climate

1.3.1 Rain Fall

Table 1.3 A: Monthly rainfall for selected centres (mm), 2014 – 2019

TOWN	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
KAMPALA													
Long term Average	51	62	113	182	140	75	50	86	101	109	114	97	1,180.00
2015	2.2	59.9	91.4	86.3	215.6	71.1	22	85.5	99.4	286.6	343.5	190.9	1,554.40
2016	55	28	118.7	297	111.3	46.9	12	109.6	93.6	94.2	213.2	75.8	1,255.30
2017	20.6	152.8	207.1	170.6	139.8	43.4	122.8	50.7	147.1	88.4	203.6	27.4	1,374.30
2018	26.2	53.6	250.3	308.9	39.8	60.7	45.7	60.6	76.1	232.6	165	122.6	1,442.10
2019	77.0	85.3	42.2	174.9	202.7	101.0	63.5	38.3	227.0	207.7	207.7	248.9	1,676.2
KASESE													
Long term Average	31	40	116	152	106	54	31	84	64	123	101	68	970
2015	0.8	15.2	35.6	113.4	80.1	74.1	19.7	21.9	122.2	85.3	137.5	49.3	755.1
2016	18.2	5.8	72.8	141.4	86.5	114.1	17.7	151.2	45.3	150.5	123.3	21.1	947.9
2017	3.7	53.3	88.4	26.3	71.1	14.6	22.7	74.9	132.9	147	127.4	12.3	774.6
2018	16.5	32.8	150.8	200.8	100	31.4	12.1	47.8	76.9	99.3	117.7	40.4	926.5
2019	47.7	81.9	48.8	93.7	129.6	137.8	34.5	20.4	84.6	242.9	242.9	17.8	1,182.6
LIRA													
Long term Average	29	41	91	172	190	126	126	215	168	149	84	43	1,434.00
2015	68.1	12	143.4	128.8	149.4	109.1	234	244.7	221.5	242.2	116.5	33	1,702.70
2016	28.7	14.7	95	112.3	240.7	83.2	128.4	278.9	155.1	189.1	138.8	15.3	1,480.20
2017	2.6	2.3	60.2	170.7	297.9	180.7	162.5	143.1	140.7	107.9	171.4	38.9	1,478.90
2018	0.6	44.2	139.2	240.4	230.1	63.4	47.2	113.1	127.1	161.9	94.4	85.7	1,347.30
2019	13.5	9.5	11.3	80.8	156.8	124.2	241.6	62.0	231.5	281.7	281.7	87.8	1,582.4
MASINDI													
Long term Average	32	56	107	162	146	97	109	137	141	147	122	48	1,304.00
2015	-	25.4	99.5	288	140.4	108.1	72.8	42.1	144	243.6	174.1	128.9	1,466.90
2016	66	8	104.4	122.4	105.6	62	71.3	87.9	142.9	290.9	101.6	34.9	1,197.90
2017	6.1	92.8	142.6	113.3	130.6	253.1	184.3	219.4	167.5	124	86.4	29.8	1,549.90
2018	-	101.1	92.8	231	72.7	106.2	66.5	203	136.3	130.2	65	91.6	1,296.40
2019	32.8	40.6	27.0	123.3	141.6	106.3	164.8	45.1	115.5	297.8	297.8	50.9	1,443.5
MBARARA													
Long term Average	45	64	96	123	78	23	20	61	95	105	120	75	905
2015	1.4	28.5	124.5	146.6	34	114	3.4	7.1	89.8	85.9	136.8	58.8	830.8
2016	30.2	50.8	122.2	135	19.4	13.6	2.7	26.8	125.7	48.5	99.8	69.9	744.6
2017	64.1	45.5	78.4	153.2	64.8	-	13.3	30.5	103.5	101.6	92.5	16.5	763.9
2018	52.2	37.3	220.8	174.7	123.6	22.9	5.1	32.8	60.1	49.1	102.6	119.6	1,000.80
2019	25.2	66.8	61.6	103.2	58.0	101.4	12.7	42.8	81.4	130.1	130.1	39.6	852.9
SOROTI													
Long term Average	32	56	107	162	146	97	109	137	141	147	122	48	1,304.00
2015	-	9	26	312.9	151.3	191	109.5	138.7	109.9	199	292.7	99.9	1,639.90
2016	29.7	2.1	66.2	252.3	130.2	120.5	121.7	153.9	176.6	37.2	43.2	2.6	1,136.20
2017	17.4	161.1	44.5	180.7	195.4	81.2	98.8	79.8	153.3	167.7	97.7	-	1,277.60
2018	0.1	41.5	113.5	166.9	241.6	172.3	47.9	149.2	127.8	135.1	87.1	32.1	1,315.10
2019	7.5	20.8	30.8	106.1	214.2	106.7	94.9	134.8	267.1	324.5	324.5	159.2	1,791.1

Source: Uganda National Meteorological Authority. Note: tr- trace, -Data not available

Table 1.3 A (cont'd): Monthly rainfall for selected centres (mm), 2014 – 2019

TOWN	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
TORORO													
Long term Average	55	78	138	225	224	108	96	118	111	125	109	78	1,465.00
2015	0.2	27.8	61.7	59	61	103.4	98.3	66.7	123.6	201.9	139.2	75.6	1,018.40
2016	28.1	33.5	55.2	246.1	124.4	146.3	65.4	81.4	42.6	118.7	102.9	35.2	1,079.80
2017	79.4	110.3	121.5	112.1	304.8	153.9	92.4	108.2	203.3	132.4	194.6	16.4	1,629.30
2018	43.6	15.9	247.9	312.7	195.9	153.5	25.7	73.8	99.1	85.1	225.9	143.7	1,622.80
2019	59.1	47.4	65.6	120.1	217.2	192.4	75.1	41.2	65.4	330.3	330.3	140.9	1,685.0
GULU													
Long term Average	16.5	29.4	84.7	166.2	175.6	152.1	168.6	237.8	174.6	186.9	109	37.4	1538.7
2015	0	2.6	46.1	131	135	202.3	174.7	127.1	101	189	163.3	20	1292.1
2016	4.1	11.4	48.4	292.3	189.4	107.7	103.3	205.4	177.1	199.7	120.4	8.2	1467.4
2017	10.9	18.2	101.1	174.7	214.4	122.1	227.1	372.6	254.1	135.7	159.8	5.2	1795.9
2018	0	29.8	132.4	230	215.2	73.3	69.3	170.3	99.7	223	247.3	73.7	1564
2019	2.3	17.3	35.1	158.6	171.4	483.3	128.0	238.5	256.0	186.2	186.2	164.7	2027.6
ARUA													
Long term Average	17.5	36.6	90.7	120.4	127.6	146.4	154.5	216.9	173	209.5	125.1	29.8	1448
2015	14.6	30.1	83.5	124	91.8	157.3	231.8	102	136	182.2	136.1	6	1295.4
2016	2.1	2.8	95.8	234	143	68.4	173.7	71.1	171.5	155.9	0	98.4	1216.7
2017	1	14.3	71.1	69.7	128.2	146.7	242.9	238.7	222.9	213.4	165.1	0	1514
2018	0	33.8	118.4	250.2	148.1	63.4	34.9	128.7	197	254.8	183.2	26.7	1439.2
2019	7.1	7.7	76.0	128.9	144.3	206.7	198.4	213.0	317.1	223.1	223.1	72.7	1818.1
KABALE													
Long term Average	65.4	81.1	112.8	139.8	97.6	28.5	20	54.4	99.2	111.1	117.4	88.6	1015.8
2015	9.8	124.4	26.3	177.4	104.7	40.9	5.3	0.6	114.9	87.7	128.5	99.2	919.7
2016	85.8	31.1	109.6	199.3	80	32.9	18.8	43.2	183.6	130.2	124.1	24	1062.6
2017	40.4	50.1	113	70.1	75.6	4.7	35.5	51.8	119.3	174	153.4	54.3	942.2
2018	87.3	114.6	131	293.4	95.2	37.9	4	74	30.3	88.4	77.5	67.3	1100.9
2019	19.0	73.0	87.7	139.8	62.8	107.5	36.5	4.5	95.3	231.6	231.6	151.7	1241.0
JINJA													
Long term Average	51	75	108	163	122	18	28	37	57	111	116	79	965
2015	3.7	54.4	142.8	181.7	113.5	89.2	94.2	86.9	39.5	200.4	278.7	128.1	1413.1
2016	51.6	91.5	102	231	143.4	17.2	91.2	84.1	98.6	73.6	99.9	29.2	1113.3
2017	27	71.1	64.1	190.5	66.5	30.9	94	67.3	141.3	110.6	219.5	39.8	1122.6
2018	22.4	38.8	221.1	203.5	47	0	43.4	139.3	23.7	91.4	198.1	109	1137.7
2019	69.7	118.1	41.5	116.1	361.7	103.7	96.5	138.8	118.3	301.5	301.5	355.8	2123.2
ENTEBBE													
Long term Average	86.7	84.4	184.5	264.4	253.8	116.2	72.1	77.8	79	127.6	171.7	120.6	1638.8
2015	17.3	55.7	283.4	194.6	295.1	133.9	64.2	60.1	24.6	210.5	255.5	101.5	1696.4
2016	123.9	20.9	204.7	404.6	213.3	122.5	3.9	87.4	148.9	47.3	109	134.5	1620.9
2017	1.8	127.3	193.5	264.4	319.1	48.4	32.8	46.3	121	115.7	112.6	46.2	1429.1
2018	46	115.1	186.1	292.5	152.5	100.8	62.4	52.7	70.4	215.1	157.7	245.7	1697
2019	58.5	117.4	75.8	200.4	481.2	116.4	12.6	11.8	145.1	218.8	218.8	264.9	1921.7

Source: Uganda National Meteorological Authority. Note: tr- trace, -Data not available