

C : PRECIPITATION RECORD



## Monthly Precipitation Record (mm)

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## RUHUNDA

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979	122.0	35.2	118.9	138.4	138.9	11.1	2.1	9.7	35.5	61.7	94.2	60.2	827.9
80	36.8	34.6	94.1	146.1	121.6	0.9		13.8	49.5	81.3	126.7	70.0	775.4
81	48.8	48.4	172.4	98.6	89.3	4.9		64.8	120.7	126.9	88.6	86.9	950.3
82	41.4	8.2	71.6	275.9	125.1	10.0			48.9	116.6	179.9	35.4	913.0
83	7.4	83.2	104.5	166.1	38.1	4.4		50.9	89.2	134.7	150.3	73.9	902.7
84	56.4	118.5	66.2	63.4	55.0	3.5	56.8	16.0	5.2	90.9	81.8	27.2	640.9
85	127.8	39.8	91.4	179.0	45.8				48.3	44.4	137.1	97.4	811.0
86	74.7	96.4	45.7	146.3	83.6	4.0			35.6	130.9	71.7	138.6	827.5
87	58.9	79.5	196.6	125.9	119.3	24.1		15.2	108.4	54.2	128.7	0.7	911.5

## RWAMAGANA

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979	122.1	50.9	200.0	93.7	129.3	16.1			31.3	83.5	102.0	88.9	917.8
80	29.4	91.1	130.0	158.2	145.9	0.9		8.5	22.1	102.0	104.7	48.4	841.3
81	83.5	47.8	257.8	178.7	93.0	3.0		51.5	114.6	146.2	92.5	104.6	1173.2
82	34.5	21.5					1.3		77.8	128.6	172.2	86.8	-
83	9.9	50.4	87.3	181.8	73.3	12.0	13.2	32.8	97.4	107.1	283.5	136.1	1084.8
84	48.8	107.2	125.4	81.9	60.6	0.2	85.0	14.1	23.8	133.9	203.6	70.4	954.9
85	107.5	61.8	114.7	187.7	56.3			2.4	105.8	146.8	187.8	129.7	1100.5
86	76.3	99.2	83.3	205.6	74.9	10.8		0.2	66.2	123.2	125.8	142.7	1008.2
87	77.9	41.2	126.5	151.7	126.0	42.2		39.2	117.5	85.1	138.9	25.7	972.9

## ZAZA

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979	137.2	82.6	184.5	142.7	179.1	47.4	2.4	16	24.3	117.9	85.5	71.1	1090.7
80	66.6	145.9	128.7	155.5	98.9				70.3	118.9	120.7	77.3	982.8
81	35.5	83.7	247.4	240.3	148.4			56.3	74.6	77.1	131.0	118.6	1212.9
82	75.8	56.9	121.4	258.1	148.6	240.3	1.2	8.7	102.7	145.5	121.6	70.3	1351.1
83	8.5	73.0	194.5	169.7			4.8	21.7	65.2	163.1	111.0	97.4	-
84	46.9	84.1	65.1	117.7	37.0		89.2	9.0	25.7	124.0	172.7	76.0	847.4
85	59.7	114.2	147.2	323.9	58.2			24.8	75.5	134.6	162.4	212.1	1312.6
86	73.9	86.3	102.7	178.1	105.7			4.8	28.4	157.4	187.7	172.2	1097.2
87	95.0	44.9	195.2	109.1	82.1	26.8			85.1	135.6	111.2	29.8	914.8

## RUKUMBERI

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979	113.2	108.3	103.0	260.5	279.0	41.6		27.0		32.6	68.9	121.2	1155.3
80													-
81													-
82	75.4	58.5	84.6		126.1	7.4		16.1		77.9	87.0	52.1	-
83													-
84	131.0	108.0	70.0	64.0	24.0		100.0	9.6	2.0	58.0			-
85	119.0	54.0	20.0	309.0	74.0		9.0	5.0	89.0	134.2	119.0	111.8	1044.0
86	64.5	98.5	72.5	153.2	68.0	66.5		5.0	90.0	149.3	63.0	145.2	975.7
87	77.7	81.0	114.9	176.1	162.8				80.2	81.4	331.9		-

(continue)

## Monthly Precipitation Record (mm)

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## KIBUNGO

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979	57.1	101.9	231.1	200.5	152.4	52.4		26.1	35.9	36.8	76.3	18.9	989.4
80	62.9	76.3	114.3	84.9	98.7	4.7			47.0	26.7	141.3	100.3	757.1
81	112.2	102.1	225.9	117.1	190.1	4.1		51.7	90.2	72.7	106.1	114.4	1186.6
82	106.6	41.5	95.9	168.3	146.3	15.4		1.2	40.8	82.7	98.6	90.1	887.4
83	67.1	62.6	182.4	173.4	57.7	1.5		22.1	64.4	76.8	154.7	109.9	972.6
84	41.4	56.6	105.2	89.2	17.8	0.7	57.6	7.7	17.1	98.2	177.9	35.2	704.6
85	112.7	133.2	158.3	239.5	31.0	15.2	14.2	13.7	49.8	64.5	206.4	101.0	1139.5
86	71.2	91.5	87.1	127.6	89.2	9.2		16.0	17.2	39.1	233.7	69.6	851.4
87	135.9	17.9	132.3	202.8	52.5	3.9		0.3	104.1	135.0	226.3	40.0	1051.0

## MPANGA

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979													-
80													-
81													-
82													-
83													-
84													-
85													-
86	125.5	96.7	70.3	191.5	64.1	1.5		1.8		70.6	115.2	60.3	-
87	109.5	13.2	81.2	84.2	49.6			9.0	29.7	89.6	95.8	24.8	-

## BARE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979	110.9		97.9	186.3	151.9	54.6		2.1	38.7	84.1	163.4	160.9	-
80	73.2	152.9	114.1	106.7	57.2	18.4			67.7	74.1	147.4	107.1	918.8
81	37.9	44.0	189.0	183.6	153.1			92.6	95.2	80.7	62.4		-
82	69.4	29.3	178.0	286.3	191.5	17.3			41.0	103.2	169.5	184.9	1270.4
83	9.4	56.4	57.7	233.9	67.3	34.8		46.0	20.3	52.0	151.5	100.0	829.3
84	77.7	61.3	98.6	186.0			49.7	6.9	13.1	96.4	201.3	55.3	846.3
85	83.1	100.1	120.4	226.1	60.3				210.9	215.7	172.5	185.3	1374.4
86	107.0	133.0	128.1	320.1	138.7	2.9		3.6	40.1	62.5	157.5	143.7	1237.2
87	88.8	41.3	116.2	134.4	72.0	3.2	MT	7.5	58.9	119.7	159.7	31.9	833.6

## RUXIRA

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979	92.7	134.9	153.0	98.5	139.0	56.1		1.4	28.1	65.6	88.3	66.9	924.5
80	129.5	50.1	66.3	305.9	115.6	18.4		14.1	57.3	54.8	121.9	74.6	1008.5
81	64.9	60.3	185.2	150.4	73.2			17.5	63.3	90.9	108.8	94.7	909.2
82	102.0	57.8	117.6	154.2	226.4	3.0		0.2	28.3	72.4	121.0	81.8	964.7
83	83.6	89.0	108.8	184.0	42.7	0.2	0.2	40.6	105.4	74.9	120.8	169.7	1019.9
84	81.4	76.2	131.6	179.2	17.2		24.2	9.8	18.6	110.6	193.2	72.4	914.4
85	117.4	78.0	219.4	257.3	37.6	2.0			102.2	75.6	197.5	169.8	1256.8
86	82.9	93.8	86.0	178.9	142.8	4.0		8.9	22.2	33.0	177.3	156.4	986.2
87	158.1	20.2	104.0	101.0	79.2				27.0	136.0	286.5	50.6	962.6

(continue)

Monthly Precipitation Record (mm) - 3/3 -

NYARUBUYE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979	96	54.1	81.6	145.4	139.9	30.6		38.4	41.0	79.2	115.5	159.8	981.5
80	50.8	53.9	85.4	61.9	131.5			87.7	71.6	67.0	108.1	33.2	751.1
81	54.8	70.7	209.2	66.2	104.8			11.1	26.6	90.0	47.9	89.0	770.3
82	130.6	37.5	88.6	188.8	191.3	7.2			39.8	107.7	172.2	94.3	1058.0
83	9.1	41.8	77.0	160.7	21.9			46.4	32.6	119.9	92.6	93.9	695.9
84	77.4	51.1	87.5	117.2	12.0		83.5		71.2	54.6	150.8	12.2	717.5
85	77.8	94.4	112.2	205.7	49.6	3.6	1.0		36.7	89.5	134.9	66.0	871.4
86	75.3	101.1	62.4	155.4	75.2				15.5	22.1	125.1	91.2	723.3
87	48.5	30.2	101.4	127.9	55.6	15.6		3.1	174.5	41.9	136.6	35.7	771.0

KIGALI

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979	135.1	93.0	107.6	234.7	73.3	24.7	0.4	31.1	25.4	99.9	168.9	123.9	1118.0
80	68.0	133.4	96.9	130.7	131.5	14.1	1.2	5.7	193.7	74.9	151.9	71.9	1073.9
81	115.8	136.6	142.0	220.1	63.9	0.3		135.5	86.3	100.0	93.6	75.0	1169.3
82	63.9	40.6	47.9	211.9	133.0	17.5	3.3	3.9	100.4	126.8	111.9	125.9	987.0
83	30.5	78.7	60.1	202.3	25.4	60.3	1.3	27.8	45.5	139.7	130.8	102.9	905.3
84	59.8	112.2	97.3	201.3	28.6	0.4	59.1	55.6	39.1	131.2	130.8	82.7	998.1
85	60.7	60.9	98.2	317.1	48.5	1.6	1.0	4.4	101.5	113.3	190.2	37.7	1035.1
86	66.6	103.6	90.2	273.5	81.3	8.7		0.4	12.1	87.6	109.0	120.8	953.8
87	75.5	103.8	98.7	158.9	213.9	25.0		11.3	101.3	98.5	212.0	33.5	1132.4

AKAGERA

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979													-
80													-
81													-
82													-
83					10.5	5.0	13.0			105.5	101.5	100.0	-
84													-
85													-
86													-
87	93.6	24.0	79.0	162.9	48.8	92.0			11.0	51.8	126.2		-

Table. C.1.3 ( i ) Precipitation Record ( KIBUNGO )

1981	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				2.6					1.4			1.8
2						2.5				7.2		
3	15.1		19.8		14.3	1.6						
4			28.5		24.5							
5										2.1		
6					13.2							
7	1.8		3.2		10.3				3.0			
8										3.9		21.2
9		17.8	11.1		1.5					4.8		
10	4.1		4.1						45.3			13.6
11					11.5					18.5		16.8
12				20.3	10.3					6.1		9.1
13				10.2						5.5		7.8
14	12.0		3.4	20.3				1.5	5.7			
15			0.8	10.1	9.3				6.3		1.3	
16		31.8	13.8	2.1	15.0						3.2	
17	18.7	10.3	35.6	1.2				27.0	21.5			3.0
18								3.0	0.6			3.3
19		1.7						15.5				3.0
20	5.9		0.1	21.2								
21			3.3	6.1							0.7	6.4
22	14.6		2.2									14.5
23	7.1		30.3								1.2	1.5
24			2.1								3.1	
25		11.3										2.2
26	4.6	22.1	11.5	16.4						9.6		
27		7.1	12.2	6.6							3.5	
28	4.5		28.2									3.1
29	23.4		2.2								3.7	7.1
30	0.4		8.5		80.2					6.2		
31			5.0							6.8		
Total	115.8	136.6	142.2	220.1	63.9	0.3	0.0	135.5	85.3	100.0	93.6	75.0
												1169.3

unit: mm

Table C.1.3 ( 2 ) Precipitation Record ( KIBUNGO )

1982	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.9			12.0					1.7		22.5	16.5
2	0.6	8.7		2.2	10.2	15.2					0.2	3.7
3	13.2			6.0							0.5	6.0
4	2.0			17.0	26.5				1.7		4.3	12.2
5			1.5	2.2					2.7		9.0	7.5
6				0.5	9.0			1.0				
7				5.2	0.5							6.7
8			21.5	4.0	3.0					1.0		0.2
9	4.2			23.0							9.7	
10		0.2		23.0						2.5		
11	5.7			8.7					0.7	2.2		
12		13.6		1.5						9.0		4.0
13	13.7	1.5		5.0	1.2					7.0		
14	0.5			5.0	5.2				0.5	0.7	5.0	5.5
15	1.2		23.7	4.0	11.5				0.5		3.2	11.2
16	2.0		0.7	12.7						1.5	0.7	12.7
17					1.0					2.5	0.7	
18				5.5							9.5	
19				6.2					4.0	19.5	0.5	3.0
20	16.7								3.5			0.2
21	4.7		40.5	54.2					4.2		1.2	
22				5.7						8.7		
23		2.0				0.2			1.7	1.5	0.5	0.1
24		2.5		19.2					4.7	4.2		
25		5.0		5.2						19.7	5.2	
26				1.5					0.7	0.5		0.6
27		8.0			12.0				3.5	2.2		
28			6.5		1.5							
29			1.5	1.0	2.5							
30	20.2							0.2	10.7		8.7	
31	20.0										15.0	
Total	63.9	40.6	47.9	211.9	133.0	17.5	3.3	3.9	100.4	126.8	111.9	125.9
												987.0

unit: mm

Table. C.1.3 ( 3 ) Precipitation Record ( KIBUNGO )

1983	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.2	4.0	22.4	22.0						0.5	1.2
2			0.5	0.3	1.5					0.2	4.2	4.2
3	34.2		1.2		1.2				37.5		33.0	
4			3.5		3.2					1.2	5.7	3.5
5		35.5		7.6	1.2				3.5	0.5	3.0	
6					17.2						0.7	6.2
7			3.0		9.5							
8	0.5	6.0	3.0					0.2				
9								6.2	2.0	1.5		
10		7.0	3.0		0.5			1.7		4.0		1.0
11			38.7						1.5	0.7		1.0
12				0.3		1.0				2.4	1.7	4.0
13			0.2	23.9						15.5	36.2	28.7
14			12.0	13.4						1.2		
15	0.7		0.5	12.5								
16			10.0	9.5								
17		0.2						4.0		20.0	0.2	
18		6.0		2.6							15.5	13.5
19		0.7	8.5	0.1								11.7
20			12.7					10.5		7.7	35.0	
21								3.5		2.0	8.2	7.0
22		5.5	4.0	1.6							1.2	1.0
23				13.3	0.7							
24				32.6		0.5						
25			44.7	0.5	0.7				3.5	13.2	1.5	9.7
26				7.0					3.7			
27				0.4					5.7	3.5		
28		1.5		3.4					3.0	3.0	0.2	1.0
29				19.9						0.2	5.7	16.2
30	31.7		29.2	2.1							2.2	
31			6.7									
Total	30.5	78.7	60.1	202.3	25.4	60.3	1.3	27.8	45.5	139.7	130.8	102.9
												905.3

unit: mm



Table C.1.3 ( 4 ) Precipitation Record ( KIBUNGO )

1984	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1			0.20	8.70						26.00			
2		24.50								1.20	0.50	0.50	
3		1.20	1.20								6.70	5.00	
4		6.70	7.70	34.70	0.70				0.50		1.20	1.20	
5	0.50		6.20	3.50					8.70	10.70	1.70	1.70	
6			0.70	7.00						20.20			
7		1.50	0.50	1.20						1.00			
8	4.70		11.70	4.70							2.00	2.00	
9	7.00		8.70	8.70					0.20	5.00	32.00	3.70	
10		0.20	1.00	1.00	5.50					11.50	10.70	0.50	
11			0.20	0.20						2.20	6.00	0.50	
12				1.70	0.70					6.70	0.70	0.20	
13	14.70		21.00	0.20	0.70					2.00			
14	2.50		5.50	1.20	4.70						21.50	16.20	
15		11.20	19.80				3.70	7.00			5.50		
16				0.50	6.20						19.00		
17	0.50		7.50	0.50							1.20		
18												0.50	
19													
20													
21	3.70	0.50		0.00			25.50				5.70		
22	0.20			1.50			1.20				3.50		
23				3.50			9.20			1.50	9.50		
24		1.70					18.50			7.20	1.20		
25	1.20	4.00		4.70			2.50	2.20		1.00	22.50		
26		0.20		5.00				0.70			1.40		
27		3.70		0.70				0.20		2.00	4.00		
28		1.20						0.20			12.70	0.20	
29	2.20							0.70			5.00		
30	4.20										0.70		
31									0.20		3.00		
Total	59.80	112.20	97.30	201.30	28.60	0.40	59.10	55.60	39.10	131.20	130.80	82.70	998.10

Table. C.1.3 ( 5 ) Precipitation Record ( KIBUNGO )

1985	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.50				6.00							
2	45.90				1.00							
3	10.20		7.50	10.40						0.70	6.70	21.00
4			15.00	23.30						3.20	21.70	1.20
5			2.20	55.00				8.00	4.20		16.50	7.70
6	2.20	12.00		1.70	0.50				4.00		5.50	7.70
7	1.50	1.50		12.00	0.20				4.20			
8		8.00		3.20							0.20	1.00
9	19.20	6.00		6.00	0.50				2.50			0.20
10				20.70	4.20				25.30	4.80		1.00
11				1.20	0.70				0.70		6.20	10.60
12	7.50			0.50	0.20				3.70		18.20	0.70
13				24.70							1.20	2.70
14				4.20	7.20	15.20			0.20	10.70	13.70	5.00
15	2.20	28.00		2.20				5.20		0.50		18.70
16				5.00						15.00		0.20
17		1.70										
18		3.70		14.00	7.50					0.70		
19			27.20	2.10	3.00					2.50	2.20	18.70
20	0.70									2.50	33.50	
21			8.70	11.60			14.20			12.00	18.20	
22			14.20	2.70						8.50	13.70	0.50
23			0.50							1.50	10.20	0.20
24	28.20	12.70	4.20	11.00					1.00		8.00	0.70
25	8.00	6.20	16.20					0.50		0.70		2.50
26	4.20		30.50	8.00					0.50			
27	0.20		17.00	20.00					1.50			
28	10.7									0.50	22.50	
29	5.20		6.70						1.00		8.20	
30	0.20		3.90						1.00			
31	12.50		4.50							0.70		
Total	60.70	60.90	98.20	317.10	48.50	1.60	1.00	4.40	101.50	113.80	190.20	37.70
												1035.10

unit: mm

Table C.1.4 (1) Precipitation Record ( KIGALI )

1981	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	36.0			1.2	0.2				0.4	0.4	0.8	3.1
2	57.3		3.4		29.1				0.4	0.4	0.5	
3												
4		7.7				0.3				6.8		
5	0.2			5.1	0.3				0.1		0.8	10.0
6	5.6				8.4							13.4
7												
8			1.8	1.0					1.1	9.8	0.5	
9	2.4	18.0	2.4	19.5	0.8				15.7	3.4	7.4	
10		0.2		53.5	0.1				0.1	13.1	14.4	7.9
11			0.4	20.3	5.1					3.8	8.4	0.1
12			0.2	52.8	2.7					1.2		0.5
13	0.4		1.9	0.4	5.5				2.7		1.1	
14			0.8		2.0			4.7	7.4		0.7	0.6
15	0.2	3.6	10.4					4.8		0.7	1.1	
16		43.9	25.4	2.5				66.8				
17	0.2	1.3	10.9	1.7				21.7		1.5		
18		22.1		10.9	0.5			9.5				
19				10.8						7.8	5.5	10.0
20									3.2	4.6		1.8
21	1.0	12.1									4.5	0.3
22									1.8		5.4	12.7
23			24.9							1.4		9.1
24			1.7	4.0						0.5	0.9	
25	8.3	18.6		9.0								
26			2.8	7.1				11.7		2.2	15.3	
27		9.1	0.4	10.4				0.8	0.4	1.5		
28	3.1		6.5					8.9	0.8	29.6	25.7	
29			6.5		0.5				52.6		0.6	
30	1.1		14.9	9.9				6.6		0.3		
31			26.9		8.7					1.6		5.5
Total	112.2	102.1	225.9	117.1	190.1	4.1	0.0	51.7	90.2	72.7	106.1	114.4

unit: mm

Table. C.1.4 ( 2 ) Precipitation Record ( KIGALI )

1982	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.9			29.7		9.8				5.6	0.4	
2		0.7		14.5	0.6	2.5				2.4		11.1
3				1.1						0.8		49.2
4	0.5		1.1	0.8							0.2	2.3
5			2.6	17.0	2.1				0.1		11.4	
6					9.3			2.4				
7	4.9		0.1	5.0	14.9				0.9	5.1	10.5	
8			2.8	0.8							0.5	26.9
9	0.2	15.2			11.8						1.2	0.2
10					35.4					7.5		
11		0.3			3.4				1.3	1.0	13.7	
12	1.4	3.1			0.6					1.8	1.3	
13		10.6			5.1						5.0	2.6
14		3.0			0.7					0.6	0.7	
15			0.8	5.2	9.0					9.8	0.4	1.4
16	20.1			0.8	9.2					5.9		
17		1.1	6.5	5.7	1.1					0.2	5.6	
18					1.7					4.3		
19	1.3				7.6				9.5			
20	4.5		30.1						3.3		13.0	4.9
21			0.1	91.9					38.5	47.2	0.9	9.8
22				3.7					2.6	3.1	1.1	1.6
23	0.4			14.6	1.0		0.1		39.1	3.3	1.0	
24	9.6			2.1		5.1	3.3		0.8	14.1	3.1	8.2
25				14.7							26.6	
26				3.3								
27		1.2							0.7	0.8	0.3	
28	0.9	5.4			17.4				3.1	2.0	0.4	7.7
29	0.8		0.1	1.0	1.1				0.2	2.2		
30	15.4		2.2						0.3	4.6	12.8	
31			1.4					1.5	4.3	4.1	1.8	
Total	106.6	41.5	95.9	168.3	146.3	15.4	0.0	1.2	40.8	82.7	98.6	90.1

unit: mm

Table. C.1.4 ( 3 ) Precipitation Record ( KIGALI )

1983	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			6.5		1.4						3.4	0.3
2	0.4		8.7	13.2							2.6	2.8
3	3.5	0.1	3.2	1.0	0.3					6.2	3.7	23.6
4	0.3								11.5		0.3	
5		25.7		17.7	9.9	0.2				0.2	0.7	
6	6.3	3.7			0.3					0.3	14.3	0.1
7								2.8		8.5	5.6	15.7
8	13.7	0.6		1.4				4.7		2.5	0.9	0.3
9				4.9				5.3		2.5	6.0	3.3
10		1.1	1.6	0.3						7.0	2.3	
11		1.4	0.1		0.7				8.8	16.5	17.8	0.6
12		19.8		1.3	2.7			0.5		40.8	2.0	
13			10.7							1.0	0.7	2.1
14				8.6						18.6	3.5	0.2
15	3.6			0.7		0.5						
16			1.5	20.2						5.3	7.3	
17								5.6		0.7		
18		15.6		3.9						10.7		
19		10.7	3.3	14.2				2.1		0.1	15.5	
20			3.1	0.2				9.9		2.5	1.5	
21											0.1	12.3
22			2.7	23.6		60.1						
23				42.2							4.2	
24				7.1				3.0		1.4	6.1	
25			1.4						14.8			
26					3.3					1.5	1.2	0.8
27				27.2					4.3	0.1	16.5	3.7
28			3.1	13.4	0.3					0.7		
29			7.6	1.2	2.8		0.8			12.4	14.5	
30	2.7		6.6							0.2	0.1	0.8
31					3.7							
Total	67.1	62.6	182.4	173.4	57.7	1.5	0.0	22.1	64.4	75.8	154.7	109.9
												972.6

Unit: mm

Table. C.I.4 ( 4 ) Precipitation Record ( KIGALI )

1984	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			1.20	14.00						7.70	5.90	5.40
2		19.60	5.20	0.40						28.90	0.30	
3			5.70	0.50	1.00						3.50	
4				11.90					12.50	0.20	0.30	1.40
5			4.00	6.70		0.40	0.70		0.60	0.20	1.40	
6			0.10	1.10	2.10					36.00	13.60	
7				1.90					11.40	2.70	6.20	
8					0.90					2.30	0.30	7.60
9	4.40			32.00	1.90					0.80	6.00	6.20
10		0.60		11.00	11.00					11.50	2.60	23.40
11				10.30	0.30			3.00		0.10	17.50	12.60
12	3.40		24.60	0.10	4.20				4.70	4.90	2.70	5.20
13	5.10		0.60	0.40	6.90					10.40		
14	3.00		4.00		0.30					0.30	3.50	0.60
15		10.20	10.20	27.20				0.20				
16			2.20								7.30	
17			2.40					6.90	0.20			
18	0.10		0.40					0.50	1.30			
19	6.70	1.10									15.50	
20											1.50	0.20
21										4.80	0.10	
22		16.50		0.50			16.90			2.10		
23		0.40		5.30			41.50			3.10	4.20	
24		24.10		59.90						2.30	6.10	
25	21.50	10.30		9.50				31.60		1.10		
26								6.60		10.00	1.20	3.00
27		6.10									16.50	
28		9.80						0.40		1.80		5.50
29								0.30			14.50	0.50
30				3.70				0.70	6.00		0.10	11.10
31	15.60		25.00	4.90				5.60				
Total	41.40	56.60	105.20	89.20	17.80	0.70	57.60	7.70	17.10	98.20	177.90	35.20

unit: mm

Table. C.1.4 ( 5 ) Precipitation Record ( KIGALI )

1985	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.2	2.9		0.1	3.0					10.3	12.2	0.9
2		1.2		5.5	0.1				24.8	0.4	4.4	0.2
3	0.7	0.6	2.6	15.1	0.0						1.3	0.8
4		6.3	1.6	1.3	0.7				0.5	8.3	0.3	2.2
5		6.4	0.4	1.7					3.1		0.8	
6	8.8	1.1			3.7				1.6	0.2	1.8	
7		1.4							3.4	0.3		
8	0.3	3.3		58.8	0.3				5.5	1.1	0.6	
9				10.5	8.9					10.2	29.3	2.7
10				5.0	10.4				6.7		3.9	1.7
11	0.1	0.4	2.6	63.9	4.8			3.5	1.7	2.6	5.6	15.1
12				32.3						13.7	1.2	1.6
13				0.5		1.3			20.2	25.2	4.0	0.3
14				12.4	2.7					1.4	3.0	
15		12.2		2.8	1.7					4.1		
16		9.7		0.9	0.2					0.8		
17		2.4	0.2	0.9	5.6					0.3		
18		0.5		7.9	6.4							
19		0.3	16.8	2.1						0.3	1.0	3.9
20	2.3		2.9	6.4		0.3	1.0				44.9	
21			3.0	4.0						6.9	4.6	
22			17.5	8.9						0.1	40.6	
23	0.1		0.9	34.0				0.4	2.3	9.9	2.9	2.5
24	1.6	0.1	10.7	35.4					0.6	7.2	3.2	0.2
25		5.6	12.0	7.0						4.3	1.0	
26	0.6	6.5	12.1	0.5					0.4		16.3	5.1
27	3.9		9.8						0.3	0.4	0.1	
28	39.5		3.8	0.1					22.2	12.0		
29			1.3					0.5	8.2	0.5		
30	1.6											
31												
Total	112.7	133.2	158.3	239.5	31.0	15.2	14.2	13.7	49.8	64.5	206.4	101.0
												0.5
												1139.5

unit: mm





D : OBSERVATION RECORDS OF  
RIVER DISCHARGE AND  
LAKE WATER LEVEL



RUBAGO

1981	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		0.58	0.38	0.72	1.12	1.52	0.88	0.38	0.26	0.19	0.05	0.13
2		0.57	0.38	0.72	1.13	1.50	0.85	0.37	0.26	0.19	0.05	0.12
3		0.57	0.37	0.73	1.15	1.49	0.84	0.35	0.27	0.19	0.05	0.11
4			0.37	0.73	1.18	1.47	0.83	0.34	0.27	0.19	0.05	0.11
5		0.54	0.37	0.73	1.20	1.45	0.81	0.34	0.27	0.19	0.05	0.10
6		0.53	0.36	0.74	1.22	1.43	0.80	0.33	0.26	0.19	0.05	0.09
7		0.52	0.35	0.74	1.25	1.40	0.80	0.32	0.25	0.19	0.06	0.09
8		0.50	0.35	0.75	1.29	1.38	0.77	0.32	0.25	0.18	0.06	0.07
9		0.48	0.35	0.76	1.35	1.36	0.77	0.30	0.24	0.17	0.06	0.06
10		0.48	0.35	0.77	1.41	1.35	0.76	0.29	0.22	0.16	0.06	0.06
11		0.48	0.35		1.42	1.33	0.74	0.28	0.22	0.15	0.06	0.05
12		0.47	0.34	0.80	1.45	1.31	0.73	0.27	0.21	0.14	0.06	0.03
13		0.46	0.34	0.83	1.45	1.30	0.72	0.27	0.21	0.14	0.06	0.03
14		0.46	0.34	0.84	1.45	1.27	0.70	0.26	0.20	0.13	0.07	0.02
15		0.45	0.33	0.85	1.45	1.26	0.69	0.25	0.20	0.13	0.07	0.02
16			0.30	0.87	1.44	1.21	0.66	0.25	0.20	0.12	0.07	0.02
17		0.44	0.30	0.91	1.44	1.17	0.62	0.24	0.20	0.11	0.08	0.02
18		0.43	0.29	0.95	1.43	1.13	0.59	0.24	0.20	0.11	0.08	0.03
19		0.43	0.29	0.98	1.43	1.10	0.57	0.23	0.20	0.10	0.09	0.03
20		0.42	0.29	1.00	1.43	1.08	0.55	0.23	0.20	0.09	0.09	0.03
21		0.41	0.28	1.20	1.44	1.07	0.54	0.22	0.20	0.09	0.09	0.03
22		0.41	0.27	1.30	1.45	1.06	0.53	0.22	0.20	0.08	0.10	0.02
23		0.40	0.28	1.43	1.46	1.04	0.52	0.21	0.20	0.08	0.10	0.02
24		0.40	0.29	1.50	1.49	1.03	0.51	0.21	0.20	0.08	0.10	0.02
25		0.39	0.30	1.50	1.50	1.01	0.50	0.21	0.20	0.07	0.11	0.02
26		0.38	0.32	1.60	1.50	1.00	0.48	0.22	0.20	0.07	0.11	0.03
27		0.38	0.35	1.70	1.50	0.97	0.47	0.23	0.20	0.07	0.11	0.03
28		0.38	0.38	1.77	1.53	0.94	0.45	0.23	0.20	0.06	0.12	0.04
29			0.43	1.83	1.53	0.91	0.44	0.24	0.19	0.06	0.12	0.04
30			0.47	1.90	1.54	0.89	0.43	0.25	0.19	0.05	0.13	0.04
31			0.50		1.54	0.89	0.39	0.26		0.05		0.04
Mean			0.34		1.39	1.21	0.64	0.27	0.22	0.12	0.08	0.05

RUBAGO

1982	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.04	0.05	0.01	0.37	1.34	1.05	0.43	0.02	-	-	-	0.29
2	0.04	0.05	0.01	0.40	1.35	1.01	0.40	0.01	0.01	-	-	0.30
3	0.04	0.05	0.01	0.43	1.35	0.96	0.39	0.01	0.01	-	-	0.31
4	0.04	0.06	0.01	0.46	1.35	0.93	0.36	-	-	-	-	0.34
5	0.04	0.06	0.01	0.51	1.34	0.92	0.33	-	-	-	0.01	0.38
6	0.04	0.06	0.01	0.54	1.34	0.90	0.31	-	-	-	0.01	0.42
7	0.03	0.06	0.02	0.59	1.34	0.88	0.28	-	-	-	0.01	0.46
8	0.03	0.07	0.03	0.64	1.34	0.86	0.26	-	-	-	0.02	0.48
9	0.03	0.07	0.03	0.70	1.34	0.85	0.24	-	-	-	0.02	0.50
10	0.03	0.06	0.03	0.75	1.34	0.83	0.22	-	-	-	0.03	0.53
11	0.03	0.06	0.03	0.78	1.34	0.81	0.21	-	-	-	0.03	0.56
12	0.03	0.05	0.04	0.80	1.34	0.79	0.20	-	-	-	0.03	0.58
13	0.03	0.05	0.04	0.84	1.34	0.78	0.18	-	-	-	0.04	0.60
14	0.02	0.04	0.04	0.93	1.34	0.76	0.17	-	-	-	0.04	0.61
15	0.02	0.04	0.05	0.95	1.34	0.74	0.16	-	-	-	0.04	0.63
16	0.02	0.04	0.05	0.99	1.34	0.69	0.15	-	-	-	0.06	0.66
17	0.02	0.03	0.05	0.98	1.33	0.66	0.15	-	-	-	0.08	0.70
18	0.02	0.03	0.06	1.03	1.32	0.63	0.14	-	-	-	0.09	0.72
19	0.02	0.03	0.07	1.10	1.30	0.62	0.13	-	-	-	0.09	0.75
20	0.03	0.03	0.07	1.13	1.30	0.60	0.13	-	-	-	0.10	0.77
21	0.03	0.03	0.11	1.16	1.29	0.59	0.12	-	-	-	0.11	0.79
22	0.03	0.02	0.13	1.16	1.28	0.58	0.11	-	-	-	0.12	0.80
23	0.03	0.02	0.15	1.16	1.23	0.56	0.09	-	-	-	0.13	0.82
24	0.04	0.02	0.20	1.17	1.21	0.55	0.08	-	-	-	0.14	0.82
25	0.04	0.01	0.22	1.20	1.17	0.52	0.07	-	-	-	0.16	0.88
26	0.04	0.01	0.25	1.22	1.13	0.50	0.06	-	-	-	0.19	0.90
27	0.04	0.01	0.29	1.25	1.10	0.49	0.04	-	-	-	0.23	0.92
28	0.04	0.01	0.30	1.29	1.10	0.48	0.03	-	-	-	0.26	0.93
29	0.05	0.02	0.32	1.31	1.05	0.46	0.02	-	-	-	0.15	0.95
30	0.05	0.02	0.35	1.33	1.08	0.45	0.02	-	-	-	0.28	0.97
31	0.05	0.04	0.10	1.33	1.28	0.44	0.02	-	-	-	-	0.98
Mean	0.03	0.04	0.04	0.92	1.28	0.71	0.18	-	-	-	-	0.66

RUBAGO

1988	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.99	0.77	0.56	0.32	0.77	1.46	0.69	0.21	0.01		0.15	0.46
2	0.99	0.77	0.55	0.31	0.82	1.42	0.67	0.20			0.15	0.47
3	1.00	0.76	0.54	0.31	0.87	1.40	0.64	0.20			0.16	0.48
4	1.00	0.76	0.52	0.32	0.92	1.38	0.63	0.19			0.16	0.48
5	1.01	0.75	0.51	0.33	0.98	1.36	0.62	0.18			0.17	0.49
6	1.02	0.74	0.50	0.35	1.06	1.34	0.60	0.17			0.17	0.50
7	1.02	0.72	0.48	0.36	1.12	1.32	0.59	0.17			0.17	0.51
8	1.03	0.71	0.47	0.38	1.18	1.29	0.58	0.16			0.18	0.52
9	1.03	0.70	0.45	0.39	1.24	1.26	0.57	0.15			0.18	0.53
10	1.04	0.69	0.44	0.40	1.31	1.22	0.55	0.14			0.18	0.54
11	1.04	0.68	0.44	0.41	1.37	1.20	0.52	0.14			0.19	0.55
12	1.05	0.67	0.43	0.42	1.43	1.18	0.50	0.13			0.19	0.57
13	1.05	0.66	0.42	0.44	1.48	1.15	0.49	0.12			0.19	0.58
14	1.04	0.65	0.40	0.45	1.52	1.12	0.46	0.11			0.20	0.59
15	1.02	0.65	0.39	0.46	1.58	1.10	0.45	0.10			0.20	0.60
16	1.01	0.64	0.37	0.48	1.62	1.07	0.43	0.09			0.21	0.61
17	0.99	0.64	0.36	0.49	1.64	1.03	0.41	0.08		0.01	0.23	0.62
18	0.98	0.63	0.36	0.50	1.63	0.98	0.39	0.07		0.01	0.24	0.62
19	0.97	0.63	0.36	0.51	1.60	0.94	0.38	0.07		0.02	0.25	0.61
20	0.95	0.62	0.36	0.52	1.59	0.90	0.36	0.06		0.02	0.27	0.60
21	0.93	0.62	0.36	0.54	1.58	0.88	0.35	0.05		0.02	0.29	0.59
22	0.91	0.62	0.35	0.57	1.56	0.86	0.33	0.03		0.02	0.31	0.58
23	0.90	0.61	0.35	0.60	1.55	0.84	0.32	0.03		0.03	0.36	0.57
24	0.88	0.61	0.35	0.62	1.54	0.81	0.30	0.03		0.03	0.38	0.56
25	0.87	0.60	0.34	0.63	1.54	0.77	0.29	0.02		0.03	0.39	0.55
26	0.85	0.59	0.34	0.65	1.52	0.76	0.27	0.02		0.04	0.42	0.54
27	0.83	0.58	0.34	0.60	1.51	0.75	0.26	0.02		0.04	0.43	0.53
28	0.82	0.57	0.33	0.58	1.50	0.75	0.25	0.02		0.04	0.44	0.52
29	0.81		0.38	0.70	1.49	0.74	0.24	0.01		0.05	0.46	0.51
30	0.79		0.32	0.72	1.48	0.73	0.23	0.01		0.05	0.33	0.50
31	0.77		0.32		1.48		0.22	0.01		0.05		0.50
Mean	0.95	0.67	0.41	0.48	1.37	1.07	0.44	0.10			0.26	0.54

RUBAGO

1984	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.50	0.49	0.40	0.47	0.65	0.51	0.18	0.04				0.05
2	0.50	0.49	0.40	0.47	0.65	0.51	0.17	0.03				0.06
3	0.50	0.49	0.40	0.47	0.65	0.50	0.17	0.02				0.06
4	0.50	0.49	0.41	0.48	0.66	0.49	0.16	0.02				0.07
5	0.50	0.49	0.41	0.48	0.66	0.47	0.15	0.02				0.07
6	0.49	0.48	0.41	0.49	0.66	0.43	0.15	0.01			0.01	0.09
7	0.49	0.48	0.41	0.49	0.67	0.42	0.14	0.01			0.01	0.09
8	0.48	0.48	0.41	0.49	0.67	0.40	0.14	0.01			0.01	0.09
9	0.47	0.47	0.41	0.50	0.68	0.39	0.13	0.01			0.01	0.10
10	0.47	0.47	0.42	0.51	0.68	0.38	0.13	0.01			0.01	0.11
11	0.46	0.47	0.42	0.51	0.68	0.36	0.13	0.02			0.02	0.11
12	0.46	0.47	0.42	0.52	0.68	0.35	0.12	0.02			0.02	0.12
13	0.45	0.46	0.42	0.53	0.67	0.34	0.12	0.02			0.02	0.13
14	0.45	0.46	0.42	0.54	0.65	0.32	0.11	0.02			0.02	0.13
15	0.44	0.45	0.42	0.54	0.64	0.31	0.10	0.02			0.02	0.14
16	0.44	0.45	0.43	0.56	0.64	0.30	0.10	0.03			0.03	0.15
17	0.43	0.45	0.43	0.57	0.63	0.29	0.09	0.03			0.03	0.15
18	0.42	0.44	0.43	0.57	0.62	0.28	0.09	0.03			0.03	0.15
19	0.41	0.44	0.43	0.58	0.60	0.27	0.08	0.03			0.03	0.14
20	0.41	0.44	0.43	0.59	0.59	0.27	0.08	0.03			0.03	0.14
21	0.42	0.43	0.44	0.60	0.59	0.26	0.07	0.03			0.03	0.13
22	0.43	0.43	0.44	0.60	0.58	0.25	0.07	0.04			0.04	0.13
23	0.44	0.42	0.44	0.61	0.57	0.24	0.07	0.04			0.04	0.13
24	0.46	0.42	0.44	0.62	0.56	0.23	0.06	0.04			0.04	0.12
25	0.45	0.42	0.44	0.62	0.56	0.22	0.06	0.04			0.04	0.12
26	0.46	0.41	0.44	0.63	0.55	0.22	0.05	0.05			0.05	0.11
27	0.47	0.41	0.45	0.63	0.54	0.21	0.05	0.05			0.05	0.11
28	0.48	0.40	0.45	0.64	0.54	0.21	0.04	0.05			0.05	0.11
29	0.48	0.40	0.46	0.65	0.53	0.20	0.04	0.05			0.05	0.10
30	0.49	0.40	0.46	0.65	0.52	0.19	0.04	0.05			0.05	0.10
31	0.49	0.45	0.46	0.65	0.52	0.19	0.03	0.05			0.05	0.09
Mean	0.46	0.45	0.43	0.55	0.62	0.33	0.10	0.03			0.03	0.11

SAME

1981	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.96	0.55	0.43	0.91	1.20	1.00	0.69	0.39	0.34	0.58	0.32	0.48
2	0.96	0.53	0.43	0.91	1.20	1.00	0.66	0.39	0.36	0.58	0.33	0.48
3	0.94	0.51	0.44	0.91	1.20	1.00	0.64	0.38	0.38	0.57	0.33	0.47
4	0.91	0.48	0.45	0.92	1.30	0.99	0.64	0.38	0.39	0.56	0.33	0.46
5	0.87	0.48	0.45	0.92	1.33	0.99	0.63	0.38	0.40	0.56	0.35	0.46
6	0.87	0.46	0.46	0.92	1.20	0.98	0.63	0.37	0.42	0.55	0.36	0.45
7	0.85	0.43	0.47	0.92	1.17	0.97	0.62	0.37	0.45	0.55	0.37	0.44
8	0.84	0.42	0.47	0.93	1.10	0.97	0.61	0.37	0.47	0.53	0.37	0.44
9	0.84	0.39	0.49	0.93	1.10	0.96	0.60	0.37	0.49	0.51	0.40	0.42
10	0.82	0.39	0.50	0.93	1.10	0.96	0.59	0.36	0.52	0.51	0.43	0.42
11	0.81	0.39	0.51	0.94	1.10	0.95	0.58	0.36	0.54	0.50	0.44	0.41
12	0.81	0.38	0.51	0.94	1.10	0.95	0.57	0.36	0.55	0.48	0.45	0.40
13	0.80	0.38	0.52	0.95	1.10	0.94	0.55	0.35	0.56	0.47	0.47	0.40
14	0.78	0.38	0.52	0.95	1.10	0.92	0.54	0.35	0.58	0.46	0.48	0.39
15	0.76	0.38	0.54	0.95	1.10	0.91	0.53	0.35	0.59	0.44	0.48	0.39
16	0.75	0.37	0.54	0.96	1.10	0.90	0.51	0.34	0.60	0.44	0.48	0.39
17	0.75	0.37	0.55	0.96	1.10	0.90	0.50	0.33	0.61	0.42	0.49	0.38
18	0.74	0.37	0.56	0.96	1.10	0.88	0.49	0.32	0.62	0.39	0.49	0.37
19	0.74	0.37	0.57	0.97	1.10	0.87	0.47	0.31	0.62	0.37	0.49	0.37
20	0.72	0.37	0.59	0.97	1.10	0.86	0.46	0.30	0.62	0.36	0.50	0.37
21	0.69	0.36	0.60	0.98	1.03	0.86	0.45	0.30	0.61	0.35	0.50	0.38
22	0.65	0.36	0.61	0.98	1.00	0.85	0.43	0.29	0.61	0.34	0.50	0.38
23	0.60	0.37	0.64	0.99	1.00	0.84	0.41	0.29	0.61	0.32	0.51	0.38
24	0.60	0.38	0.69	0.99	1.00	0.84	0.40	0.29	0.61	0.32	0.51	0.40
25	0.59	0.40	0.73	0.99	1.00	0.82	0.39	0.29	0.60	0.32	0.52	0.41
26	0.59	0.41	0.74	1.10	1.00	0.80	0.38	0.29	0.60	0.32	0.52	0.42
27	0.58	0.43	0.76	1.10	1.00	0.78	0.37	0.30	0.60	0.32	0.50	0.43
28	0.57	0.43	0.79	1.20	1.00	0.76	0.35	0.30	0.59	0.32	0.50	0.43
29	0.57			1.20	1.00	0.76	0.34	0.31	0.59	0.32	0.49	0.44
30	0.56		0.86	1.20	1.00	0.73	0.31	0.32	0.59	0.32	0.49	0.44
31	0.56		0.88		1.00		0.28	0.32		0.32		0.45
Mean	0.74	0.41		0.98	1.09	0.90	0.50	0.34	0.54	0.43	0.45	0.42

SAKE

1982	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.46	0.47	0.25	0.03	0.98	1.01	0.94	0.22	0.00	0.00	0.37	0.93
2	0.45	0.47	0.22	0.05	0.98	1.01	0.90	0.20	0.00	0.00	0.40	0.94
3	0.46	0.47	0.20	0.07	0.98	1.01	0.86	0.19	0.00	0.00	0.41	0.96
4	0.46	0.47	0.18	0.10	0.98	1.02	0.82	0.18	0.00	0.00	0.42	0.96
5	0.46	0.46	0.16	0.14	0.99	1.02	0.80	0.17	0.00	0.00	0.44	0.96
6	0.46	0.46	0.14	0.16	0.99	1.02	0.77	0.16	0.00	0.00	0.45	0.97
7	0.47	0.45	0.11	0.20	0.99	1.02	0.76	0.14	0.00	0.00	0.47	0.97
8	0.47	0.45	0.09	0.23	1.00	1.02	0.74	0.14	0.00	0.01	0.50	0.97
9	0.47	0.44	0.08	0.28	1.00	1.02	0.70	0.13	0.00	0.02	0.52	0.97
10	0.47	0.44	0.08	0.32	1.00	1.02	0.67	0.12	0.00	0.02	0.53	0.97
11	0.47	0.42	0.07	0.36	1.01	1.02	0.64	0.10	0.00	0.03	0.56	0.98
12	0.47	0.39	0.06	0.42	1.01	1.02	0.60	0.09	0.00	0.05	0.59	0.98
13	0.48	0.38	0.06	0.47	1.01	1.02	0.57	0.08	0.00	0.06	0.61	0.98
14	0.48	0.37	0.05	0.51	1.01	1.02	0.55	0.08	0.00	0.07	0.64	0.98
15	0.48	0.37	0.04	0.54	1.01	1.02	0.53	0.07	0.00	0.08	0.67	0.98
16	0.48	0.36	0.02	0.57	1.01	1.02	0.49	0.06	0.00	0.09	0.07	0.98
17	0.49	0.36	0.01	0.58	1.01	1.02	0.48	0.06	0.00	0.11	0.72	0.98
18	0.49	0.35	0.01	0.61	1.01	1.02	0.46	0.05	0.00	0.12	0.73	0.98
19	0.49	0.34	0.01	0.64	1.01	1.02	0.45	0.05	0.00	0.14	0.75	0.98
20	0.49	0.34	0.00	0.69	1.01	1.02	0.44	0.04	0.00	0.14	0.76	0.98
21	0.49	0.33	0.00	0.75	1.01	1.02	0.40	0.04	0.00	0.15	0.78	0.99
22	0.49	0.33	0.00	0.81	1.01	1.01	0.36	0.04	0.00	0.17	0.80	0.99
23	0.50	0.32	0.00	0.85	1.01	1.01	0.32	0.03	0.00	0.18	0.81	1.00
24	0.50	0.30	0.00	0.89	1.01	1.01	0.28	0.03	0.00	0.20	0.82	1.00
25	0.49	0.29	0.00	0.92	1.01	1.00	0.28	0.03	0.00	0.21	0.84	0.99
26	0.49	0.29	0.00	0.95	1.01	1.00	0.27	0.02	0.00	0.23	0.85	0.99
27	0.48	0.28	0.00	0.96	1.01	0.99	0.26	0.02	0.00	0.26	0.87	0.98
28	0.48	0.27	0.00	0.97	1.01	0.98	0.25	0.01	0.00	0.30	0.89	0.97
29	0.48	0.27	0.00	0.97	1.01	0.97	0.24	0.00	0.00	0.31	0.90	0.97
30	0.47	0.27	0.00	0.98	1.01	0.96	0.23	0.00	0.00	0.33	0.92	0.96
31	0.47	0.27	0.00	0.98	1.01	1.01	0.22	0.00	0.00	0.35	0.96	0.96
Mean	0.48	0.38	0.06	0.53	1.00	1.01	0.53	0.08	0.00	0.12	0.64	0.97



SAKE

1983	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.96	0.65	0.72	0.65	1.00	1.04	0.64	0.20			0.65	1.02
2	0.95	0.64	0.70	0.66	1.00	1.04	0.63	0.19			0.66	1.02
3	0.95	0.64	0.69	0.67	1.00	1.04	0.61	0.18		0.01	0.67	1.01
4	0.95	0.63	0.68	0.68	1.01	0.04	0.60	0.17		0.02	0.68	1.01
5	0.95	0.64	0.66	0.70	1.01	1.02	0.58	0.15		0.04	0.69	1.00
6	0.94	0.65	0.65	0.71	1.01	1.01	0.57	0.14		0.05	0.70	0.99
7	0.94	0.66	0.63	0.72	1.01	1.00	0.55	0.13		0.09	0.70	0.98
8	0.94	0.66	0.62	0.74	1.02	0.98	0.53	0.13		0.13	0.72	0.98
9	0.94	0.67	0.61	0.75	1.02	0.97	0.50	0.12		0.16	0.73	0.98
10	0.93	0.67	0.60	0.76	1.02	0.96	0.48	0.11		0.20	0.75	0.97
11	0.93	0.68	0.58	0.78	1.03	0.94	0.47	0.11		0.25	0.77	0.97
12	0.93	0.69	0.57	0.79	1.03	1.04	0.45	0.10		0.27	0.78	0.96
13	0.93	0.70	0.55	0.80	1.03	1.04	0.43	0.09		0.30	0.79	0.96
14	0.93	0.70	0.52	0.81	1.04	0.93	0.42	0.08		0.32	0.80	0.95
15	0.93	0.70	0.50	0.83	1.04	0.92	0.41	0.07		0.34	0.81	0.95
16	0.93	0.71	0.48	0.84	1.04	0.90	0.39	0.07		0.35	0.83	0.95
17	0.93	0.71	0.49	0.85	1.03	0.89	0.36	0.06		0.38	0.85	0.94
18	0.93	0.72	0.51	0.86	1.03	0.88	0.35	0.06		0.42	0.85	0.94
19	0.93	0.72	0.52	0.88	1.02	0.87	0.32	0.05		0.44	0.88	0.94
20	0.90	0.72	0.54	0.89	1.02	0.86	0.31	0.05		0.47	0.90	0.93
21	0.88	0.73	0.55	0.90	1.03	0.84	0.29	0.04		0.50	0.91	0.92
22	0.84	0.74	0.56	0.91	1.03	0.80	0.28	0.04		0.53	0.93	0.92
23	0.82	0.75	0.57	0.92	1.03	0.77	0.27	0.03		0.55	0.94	0.91
24	0.79	0.76	0.58	0.91	1.04	0.75	0.26	0.02		0.59	0.95	0.90
25	0.77	0.77	0.59	0.94	1.04	0.74	0.26	0.01		0.60	0.96	0.89
26	0.75	0.76	0.60	0.95	1.04	0.70	0.24			0.61	0.97	0.88
27	0.74	0.74	0.61	0.97	1.05	0.69	0.23			0.62	0.99	0.87
28	0.70	0.73	0.62	0.98	1.05	0.68	0.22			0.62	1.00	0.86
29	0.68		0.62	0.99	1.05	0.66	0.21			0.63	1.01	0.85
30	0.67		0.63	1.00	1.05	0.65	0.20			0.64	1.02	0.85
31	0.65		0.64		1.04	0.65	0.20			0.65		0.85
Mean	0.87	0.70	0.59	0.83	1.03	0.86	0.40			0.37	0.83	0.94

SAKE

1984	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.85	0.80	0.77	0.87	0.96	0.53					0.26	0.80
2	0.85	0.80	0.77	0.87	0.96	0.52					0.27	0.81
3	0.85	0.80	0.78	0.87	0.96	0.50					0.29	0.81
4	0.86	0.79	0.78	0.88	0.97	0.49					0.30	0.81
5	0.86	0.79	0.78	0.88	0.97	0.45					0.32	0.80
6	0.87	0.79	0.79	0.89	0.97	0.43					0.33	0.79
7	0.87	0.79	0.79	0.89	0.98	0.40					0.35	0.78
8	0.87	0.78	0.79	0.89	0.98	0.37				0.01	0.38	0.78
9	0.88	0.78	0.80	0.90	0.97	0.33				0.02	0.41	0.76
10	0.89	0.78	0.80	0.90	0.97	0.29				0.02	0.44	0.75
11	0.90	0.78	0.80	0.91	0.96	0.23				0.02	0.46	0.74
12	0.90	0.77	0.80	0.91	0.96	0.19				0.03	0.50	0.74
13	0.89	0.77	0.81	0.92	0.94	0.14				0.04	0.52	0.73
14	0.89	0.77	0.81	0.93	0.91	0.10				0.04	0.53	0.72
15	0.88	0.77	0.81	0.94	0.90	0.08				0.05	0.54	0.70
16	0.88	0.76	0.82	0.95	0.87	0.05				0.06	0.56	0.69
17	0.88	0.76	0.82	0.96	0.84	0.04				0.07	0.58	0.68
18	0.87	0.76	0.82	0.96	0.80	0.03				0.09	0.60	0.67
19	0.87	0.76	0.83	0.97	0.78	0.02				0.10	0.61	0.66
20	0.86	0.76	0.83	0.79	0.75	0.01				0.12	0.63	0.65
21	0.86	0.75	0.83	0.98	0.72	0.01				0.13	0.64	0.63
22	0.86	0.75	0.84	0.98	0.70					0.15	0.67	0.61
23	0.85	0.75	0.84	0.98	0.69					0.17	0.68	0.60
24	0.84	0.75	0.85	0.98	0.67					0.19	0.69	0.58
25	0.84	0.76	0.85	0.97	0.65					0.21	0.70	0.58
26	0.83	0.76	0.85	0.97	0.63					0.21	0.72	0.57
27	0.82	0.77	0.85	0.97	0.60					0.22	0.73	0.55
28	0.81	0.77	0.86	0.96	0.59					0.23	0.75	0.54
29	0.81	0.77	0.86	0.96	0.57					0.24	0.77	0.52
30	0.80	0.77	0.87	0.96	0.55					0.25	0.79	0.51
31	0.80		0.87	0.96	0.54					0.25		0.50
Mean	0.86	0.77	0.82	0.93	0.82						0.53	0.68

HWANGE

1981	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				1.600	2.100	1.700	1.550	1.500	1.500	1.750	1.700	1.500
2				2.450	2.000	1.700	1.550	1.500	1.650	1.700	1.800	1.500
3				2.450	2.150	1.700	1.550	1.500	1.650	1.600	1.750	1.500
4				2.300	2.350	1.700	1.500	1.500	1.550	1.600	1.500	1.500
5			1.500	4.400	2.100	1.650	1.500	1.500	1.550	1.550	1.550	1.500
6			1.500	4.950	2.350	1.650	1.500	1.500	1.500	1.550	1.500	1.600
7			1.450	2.650	2.350	1.600	1.500	1.500	1.500	1.550	1.500	1.550
8			1.450	2.200	3.450	1.600	1.500	1.500	1.500	1.500	1.600	1.550
9			1.550	1.950	2.500	1.600	1.500	1.450	1.500	1.550	1.750	1.550
10			1.600	2.200	2.900	1.600	1.500	1.450	1.550	1.700	1.750	1.550
11			1.500	2.250	3.200	1.550	1.500	1.450	1.550	1.700	2.000	1.550
12			1.450	15.850	3.400	1.550	1.500	1.450	1.550	1.650	1.650	1.800
13			1.500	4.700	3.050	1.550	1.500	1.600	1.500	1.550	1.650	1.550
14			1.500	7.000	2.800	1.550	1.500	1.700	1.500	1.500	1.600	1.550
15			1.750	5.200	2.650	1.550	1.500	2.100	1.550	1.500	1.550	1.550
16			2.000	4.600	8.350	1.550	1.500	2.100	1.600	1.500	1.550	1.550
17			6.300	5.850	4.100	1.550	1.500	2.300	1.550	1.350	1.500	1.550
18			2.200	9.300	3.200	1.550	1.500	2.500	1.500	1.700	1.500	1.550
19			1.750	7.650	2.700	1.550	1.500	2.000	1.500	1.550	1.550	1.550
20			1.600	4.000	2.300	1.550	1.500	1.550	1.450	1.550	1.500	1.600
21			1.600	3.350	2.100	1.550	1.500	1.550	1.450	1.500	1.500	1.550
22			1.600	2.800	2.050	1.550	1.500	1.500	1.450	1.500	1.550	1.550
23			1.550	2.550	1.950	1.550	1.500	1.500	1.450	1.400	1.550	1.600
24			1.550	2.050	1.850	1.550	1.500	1.500	1.450	1.450	1.500	1.650
25			2.000	13.350	1.800	1.550	1.500	1.500	1.450	1.800	1.500	1.550
26			1.700	5.850	1.800	1.550	1.500	1.450	1.500	2.300	1.500	1.550
27			2.250	4.250	1.750	1.550	1.500	1.450	1.450	1.650	1.500	1.600
28			2.450	3.600	1.750	1.550	1.500	1.450	1.500	1.550	1.500	1.700
29			2.250	2.950	1.700	1.550	1.500	1.450	1.600	1.900	1.450	1.550
30			3.250	2.550	1.700	1.550	1.500	1.700	1.700	1.750	1.550	1.500
31			4.500		1.700	1.500	1.500	1.600		1.550		1.500
Mean				4.562	2.585	1.583	1.505	1.616	1.523	1.611	1.535	1.555

MHWANGE

1982	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.470	1.550	1.510	1.640	2.320	2.150	1.640	1.530	1.490	1.610	2.360	3.120
2	1.470	1.510	1.510	5.840	2.150	3.450	1.580	1.530	1.490	1.700	2.150	2.820
3	1.510	1.610	1.510	4.120	2.150	10.700	1.580	1.530	1.490	1.670	2.000	2.620
4	1.510	1.580	1.490	2.990	1.970	3.960	1.550	1.510	1.470	1.640	2.030	2.320
5	1.610	1.510	1.490	5.520	11.100	3.030	1.550	1.510	1.490	1.550	1.850	2.180
6	1.550	1.510	1.490	3.260	5.970	2.620	1.580	1.510	1.550	1.550	1.700	1.940
7	1.700	1.490	1.490	2.580	3.700	2.320	1.580	1.510	1.510	1.530	1.640	1.850
8	1.610	1.490	1.470	2.660	2.900	2.150	1.580	1.510	1.470	1.730	1.550	1.530
9	1.550	1.490	1.470	3.500	2.500	2.060	1.550	1.530	1.450	1.670	1.640	2.090
10	1.550	1.490	1.450	2.250	4.520	2.000	1.550	1.490	1.450	1.790	1.640	1.850
11	1.510	1.490	1.450	1.970	5.180	1.940	1.550	1.490	1.550	1.700	1.550	1.760
12	1.510	1.490	1.450	1.820	3.450	1.880	1.550	1.470	1.510	1.640	1.550	2.060
13	1.490	1.490	1.450	1.700	2.940	1.850	1.550	1.470	1.510	1.550	1.530	2.430
14	1.490	1.470	1.510	2.120	3.170	1.850	1.550	1.470	1.470	1.540	1.610	2.220
15	1.490	1.470	1.510	2.320	3.260	1.790	1.550	1.470	1.470	1.550	1.670	1.970
16	1.490	1.550	1.730	3.080	6.510	1.730	1.530	1.490	1.790	1.640	1.640	2.090
17	1.490	1.510	1.580	3.750	4.120	1.730	1.530	1.510	1.490	1.970	1.580	1.970
18	1.510	1.490	1.550	2.740	3.550	1.700	1.530	1.510	1.490	1.730	1.700	1.970
19	1.510	1.470	1.490	2.390	3.210	1.700	1.530	1.510	1.580	1.940	1.760	2.000
20	1.580	1.470	2.500	2.000	2.820	1.700	1.530	1.510	2.150	1.820	1.670	1.880
21	1.550	1.450	2.320	3.850	3.030	1.700	1.510	1.490	3.030	1.580	1.640	1.760
22	1.510	1.450	3.260	9.500	2.820	1.670	1.510	1.490	1.700	1.940	1.550	1.700
23	1.510	1.450	1.730	3.650	2.620	1.640	1.510	1.470	1.550	3.850	1.790	1.730
24	1.510	1.470	1.550	3.080	2.360	2.500	1.510	1.470	1.730	2.060	2.090	1.700
25	1.490	1.550	1.510	14.120	2.150	1.880	1.510	1.470	1.790	1.910	2.090	1.670
26	1.500	1.490	1.490	7.630	2.060	1.760	1.530	1.450	1.700	1.730	2.090	1.640
27	1.510	1.510	1.490	6.170	1.940	1.730	1.590	1.490	1.670	1.640	11.660	1.580
28	1.510	1.510	1.550	3.260	2.430	1.700	1.550	1.550	1.580	1.610	4.340	1.580
29	1.490	1.610	1.610	3.170	2.820	1.670	1.550	1.510	1.580	1.640	2.860	1.550
30	1.530	1.550	1.550	2.760	2.250	1.640	1.530	1.510	1.640	1.730	3.850	1.550
31	1.670	1.760	1.760	2.150	2.150	2.340	1.530	1.490	1.562	1.700	2.293	1.550
Mean	1.528	1.500	1.643	3.846	3.359	2.340	1.547	1.523	1.562	1.775	2.293	1.959

HWANGF

1983	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.530	1.430	1.550	1.790	3.350	1.730	1.490	1.470	1.450	1.410	1.510	2.200
2	1.530	1.430	1.640	2.320	2.820	1.640	1.510	1.450	1.430	1.390	1.610	1.970
3	1.510	1.430	1.610	3.080	2.620	1.610	1.510	1.430	1.430	1.450	1.850	1.820
4	1.580	1.470	1.550	1.760	2.460	1.500	1.490	1.430	1.410	1.450	1.970	1.850
5	1.550	1.940	1.530	1.940	2.290	1.550	1.490	1.430	2.500	1.970	1.820	1.850
6	1.510	2.120	1.610	2.060	2.250	1.610	1.490	1.470	1.700	1.640	1.640	2.090
7	1.510	1.640	1.640	1.940	2.090	1.580	1.470	1.450	1.550	1.550	1.510	1.970
8	1.510	1.510	1.850	1.820	2.060	1.550	1.470	1.450	1.550	1.700	1.470	1.850
9	1.490	1.450	1.760	1.730	2.000	1.550	1.490	1.430	1.550	1.610	1.430	2.740
10	1.470	1.430	1.550	1.700	1.970	1.530	1.470	1.670	1.530	1.670	1.450	2.250
11	1.470	1.410	1.550	1.640	1.940	1.530	1.450	1.510	1.640	1.640	1.470	2.120
12	1.470	1.410	1.530	1.530	1.880	1.530	1.450	1.470	1.610	1.550	1.430	1.970
13	1.470	1.430	1.530	1.550	1.850	1.510	1.430	1.470	1.530	2.820	2.150	2.000
14	1.450	1.430	1.880	2.430	1.760	1.430	1.430	1.450	1.510	2.500	5.710	2.150
15	1.450	1.430	1.700	2.060	1.760	1.490	1.640	1.450	1.490	1.850	2.700	1.910
16	1.450	1.430	1.550	4.230	1.730	1.470	1.580	1.430	1.490	1.790	1.850	1.850
17	1.450	1.410	2.460	2.780	1.730	1.470	1.550	1.670	1.470	1.670	4.400	1.790
18	1.450	1.410	1.940	2.030	1.700	1.450	1.530	1.550	1.470	1.530	3.400	1.760
19	1.450	2.460	1.820	2.060	1.670	1.450	1.490	1.530	1.450	1.550	14.960	1.820
20	1.450	2.250	1.850	1.970	1.670	1.490	1.470	1.880	1.430	1.510	1.730	1.730
21	1.450	1.700	1.700	1.000	1.640	1.490	1.490	1.700	1.410	1.510	6.930	1.700
22	1.450	1.640	1.580	1.090	1.610	1.490	1.470	1.550	1.390	1.490	4.340	6.510
23	1.450	1.530	1.910	7.280	1.760	1.510	1.450	1.580	1.350	1.490	3.300	3.650
24	1.450	1.490	1.790	17.800	1.820	1.510	1.450	1.550	1.390	1.490	2.220	3.650
25	1.450	1.470	1.670	20.820	1.730	1.490	1.430	1.550	1.370	1.790	2.180	3.040
26	1.430	1.450	1.730	7.490	1.700	1.510	1.470	1.550	1.370	1.760	2.220	2.660
27	1.430	1.450	1.670	6.300	1.700	1.490	1.450	1.530	1.490	1.670	2.030	2.150
28	1.430	1.450	1.550	5.190	1.640	1.470	1.450	1.510	1.450	1.610	2.120	2.030
29	1.430	1.430	1.670	6.100	1.610	1.470	1.450	1.490	1.450	1.580	2.090	1.910
30	1.430	1.430	2.150	4.340	1.580	1.450	1.450	1.470	1.430	1.580	2.090	1.850
31	1.430	1.430	2.000	1.580	1.580	1.470	1.470	1.450	1.430	1.550	1.790	1.790
Total	1.470	1.575	1.725	3.989	1.935	1.520	1.482	1.517	1.510	1.670	2.891	1.964

HWANGE

1984	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.760	1.730	1.670	1.850	2.465	1.470	1.510	1.370	1.390	1.390	1.430	1.760
2	1.700	2.030	1.760	2.000	2.120	1.470	1.530	1.350	1.390	1.330	1.530	1.670
3	1.700	1.910	1.760	2.090	1.940	1.470	1.530	1.370	1.390	2.150	1.490	1.940
4	1.730	1.730	1.820	1.850	1.820	1.450	1.510	1.390	1.350	1.550	4.700	2.390
5	1.700	1.730	1.730	2.030	1.850	1.450	1.490	1.370	1.390	2.360	1.550	2.660
6	1.820	1.670	1.700	1.850	1.730	1.470	1.510	1.350	1.370	1.850	1.550	2.060
7	1.730	1.700	1.730	1.970	1.700	1.470	1.510	1.350	1.350	3.215	1.670	1.760
8	1.610	1.670	1.790	0.910	1.730	1.450	1.490	1.330	1.370	1.850	1.640	1.610
9	1.970	1.610	1.730	2.290	1.610	1.450	1.470	1.310	1.350	1.670	1.700	2.060
10	1.820	1.610	1.610	1.970	1.640	1.430	1.490	1.290	1.330	3.080	1.700	2.185
11	1.850	1.700	1.580	1.880	1.700	1.430	1.470	1.310	1.330	1.760	1.790	2.740
12	1.700	1.610	2.030	3.215	1.730	1.450	1.470	1.350	1.310	1.550	1.700	2.620
13	2.580	1.550	1.760	2.220	2.290	1.610	1.510	1.310	1.330	1.470	1.580	1.970
14	2.090	1.550	1.640	2.150	2.220	1.550	1.490	1.310	1.350	1.510	2.060	1.820
15	2.090	1.580	1.610	1.940	1.910	1.580	1.470	1.330	1.330	1.640	2.220	1.700
16	1.940	1.550	1.760	1.760	1.730	1.550	1.450	1.310	1.410	1.510	1.790	1.640
17	1.850	1.550	3.125	1.820	1.700	1.550	1.450	1.330	1.350	1.450	2.540	1.610
18	1.820	1.530	2.120	1.790	1.640	1.530	1.510	1.310	1.350	1.430	1.880	1.550
19	1.790	1.550	1.820	1.730	1.840	1.530	1.510	1.310	1.350	1.450	1.700	1.510
20	2.090	1.640	1.700	2.000	1.610	1.510	1.490	1.290	1.330	1.430	1.670	1.490
21	1.820	1.550	1.640	1.790	1.610	1.510	1.510	1.270	1.330	1.410	1.820	1.470
22	1.820	1.550	1.580	1.730	1.580	1.490	1.610	1.290	1.330	1.450	1.550	1.450
23	1.820	1.550	1.550	1.730	1.550	1.510	1.550	1.270	1.330	1.510	1.530	1.470
24	1.760	1.550	1.550	2.185	1.530	1.530	2.500	1.250	1.310	1.610	1.700	1.510
25	1.730	1.820	1.530	8.820	1.530	1.580	1.490	1.270	1.350	1.510	1.700	1.490
26	1.730	1.700	1.510	6.040	1.510	1.550	1.450	2.030	1.330	1.640	1.700	1.470
27	1.670	1.640	1.530	4.580	1.510	1.530	1.430	1.410	1.330	1.640	1.700	1.490
28	1.670	1.790	1.610	3.170	1.530	1.530	1.450	1.410	1.310	1.610	1.700	1.510
29	1.640	1.790	1.610	2.990	1.510	1.530	1.410	1.450	1.270	1.530	1.640	1.610
30	1.610	1.790	3.600	2.780	1.510	1.530	1.410	1.470	1.330	1.470	1.970	1.730
31	1.580		1.850		1.490		1.370	1.390		1.430		1.700
Mean	1.813	1.660	1.807	2.504	1.730	1.505	1.517	1.360	1.345	1.692	1.830	1.735

HWANGE

1985	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.700	1.700	1.730	2.090	5.715	2.090	1.670	1.550	1.490	1.510	1.550	2.000
2	1.640	1.760	4.760	1.880	4.460	2.090	1.670	1.530	1.510	2.150	1.510	1.880
3	1.610	2.000	2.000	2.220	3.850	2.060	1.670	1.530	1.510	1.700	1.550	2.150
4	1.530	1.970	1.850	2.000	3.600	2.060	1.670	1.530	1.730	1.490	1.790	1.730
5	1.510	1.640	1.790	2.060	3.450	2.030	1.640	1.550	1.610	1.510	1.530	1.550
6	1.490	1.700	1.790	2.540	3.260	2.000	1.640	1.530	1.760	1.510	1.910	1.490
7	1.510	1.610	1.730	2.185	3.700	2.000	1.640	1.510	1.550	1.430	1.580	1.470
8	1.510	1.700	1.730	2.090	3.400	2.000	1.640	1.490	1.760	1.510	1.510	1.510
9	1.490	1.610	1.670	2.060	3.125	1.970	1.610	1.490	1.580	1.430	1.490	1.470
10	1.530	2.280	1.640	2.360	3.035	1.970	1.580	1.470	1.580	1.510	1.470	1.700
11	1.490	2.150	1.610	6.720	2.860	1.940	1.610	1.490	1.610	1.510	1.530	1.510
12	1.470	1.820	1.580	4.070	2.860	1.820	1.610	1.490	1.530	1.470	1.760	1.670
13	1.470	1.730	1.550	15.100	2.900	1.730	1.610	1.470	1.670	1.450	1.790	1.550
14	1.450	1.610	1.530	7.490	2.660	1.760	1.580	1.510	1.580	1.450	1.530	1.670
15	1.450	1.670	1.530	4.940	2.660	1.910	1.610	1.530	1.640	1.790	1.510	1.530
16	1.430	3.600	1.510	9.600	2.620	1.880	1.580	1.510	1.580	1.490	1.470	1.450
17	1.390	1.880	1.490	5.975	2.465	1.790	1.580	1.490	1.510	1.700	1.550	1.430
18	1.350	1.910	1.490	4.700	2.500	1.790	1.580	1.470	1.470	2.030	1.470	1.390
19	1.530	1.880	1.850	5.195	3.550	1.730	1.550	1.470	1.470	3.170	1.430	1.510
20	1.530	1.790	1.840	3.750	2.860	1.730	1.550	1.450	1.470	2.150	1.700	1.430
21	1.550	1.700	1.610	15.250	2.620	1.730	1.580	1.450	1.450	1.790	2.220	1.410
22	1.490	1.640	1.640	11.100	2.500	1.760	1.670	1.470	1.450	1.730	4.640	1.410
23	1.530	1.580	1.700	8.100	2.395	1.760	1.670	1.450	1.470	1.700	2.360	1.350
24	1.530	1.550	1.640	6.300	2.325	1.760	1.610	1.450	1.490	1.820	3.350	1.330
25	1.510	1.580	1.670	12.980	2.290	1.730	1.610	1.470	1.490	1.790	2.060	1.330
26	1.490	1.880	1.700	10.400	2.255	1.700	1.550	1.470	1.490	1.570	1.760	1.330
27	1.470	1.880	2.990	12.860	2.220	1.700	1.550	1.450	1.490	1.510	1.580	1.490
28	1.610	1.730	2.185	2.220	2.185	1.670	1.580	1.470	1.640	1.470	1.550	1.450
29	1.700		1.970	9.300	2.150	1.700	1.550	1.450	1.670	1.470	1.730	1.390
30	1.550		2.580	8.980	2.150	1.670	1.530	1.490	1.550	1.610	1.910	1.350
31	1.490		2.360		2.120	1.670	1.550	1.490	1.550	1.640	1.330	1.330
Mean	1.516	1.841	1.888	6.217	2.927	1.851	1.605	1.489	1.560	1.633	1.826	1.525

RUKIRA

1981	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	1.8	0.0	0.0	2.1
2	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	6.7	6.7	0.0
3	13.4	0.0	17.4	0.0	12.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	24.8	0.0	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
6	0.0	0.0	0.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	2.1	0.0	3.3	0.0	9.3	0.0	0.0	0.0	0.0	3.9	0.0	18.6
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	4.6	4.6	0.0
9	0.0	15.7	10.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	4.6	12.1
10	4.1	0.0	4.1	0.0	0.0	0.0	0.0	0.0	39.1	16.3	3.3	14.8
11	0.0	0.0	0.0	17.8	10.3	0.0	0.0	0.0	0.0	5.8	11.0	8.3
12	0.0	0.0	0.0	9.2	9.3	0.0	0.0	1.8	5.4	5.2	0.0	7.2
13	0.0	0.0	0.0	17.8	0.0	0.0	0.0	0.0	5.9	0.0	1.7	0.0
14	10.8	0.0	3.5	9.2	8.5	0.0	0.0	0.0	0.0	0.0	3.3	0.0
15	0.0	0.0	1.2	2.4	13.3	0.0	0.0	23.5	18.8	0.0	0.0	3.1
16	0.0	27.6	12.3	0.0	0.0	0.0	0.0	3.1	1.1	0.0	0.0	3.4
17	16.5	9.3	30.8	1.6	0.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
19	0.0	2.0	0.7	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	5.6	0.0	3.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.0
21	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9
22	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.8
23	6.6	0.0	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0
24	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
25	0.0	10.2	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	4.5	19.4	10.3	6.2	0.0	0.0	0.0	0.0	0.0	8.7	3.5	0.0
27	0.0	6.6	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
28	4.4	0.0	24.5	0.0	0.0	0.0	0.0	1.8	2.9	0.0	3.7	6.6
29	20.5	0.0	2.4	0.0	0.0	0.0	0.0	1.2	1.2	5.8	0.0	0.0
30	0.9	0.0	7.8	0.0	68.7	0.0	0.0	2.7	2.9	6.3	49.2	0.0
31	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
Total	102.2	90.8	203.4	105.8	167.3	4.6	0.0	47.9	82.3	68.0	97.6	105.7
												1075.5



RUKIRA

1982	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.2	0.0	0.0	10.8	0.0	0.0	0.0	0.0	2.0	0.0	19.7	14.6
2	1.1	8.0	0.0	2.4	9.2	13.5	0.0	0.0	0.0	0.0	0.7	3.7
3	11.8	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	1.0	5.7
4	2.3	0.0	0.0	15.0	23.1	0.0	0.0	0.0	2.0	0.0	4.2	10.9
5	0.0	0.0	1.8	2.4	0.0	0.0	0.0	0.0	2.9	0.0	8.2	6.9
6	0.0	0.0	0.0	1.0	8.2	0.0	0.0	1.4	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
8	0.0	0.0	18.8	4.0	3.1	0.0	0.0	0.0	0.0	1.4	0.0	0.7
9	4.1	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0	0.0	8.8	0.0
10	0.0	0.7	0.0	0.0	20.1	0.0	0.0	0.0	0.0	2.7	0.0	0.0
11	5.4	0.0	0.0	0.0	8.0	0.0	0.0	0.0	1.2	2.4	0.0	0.0
12	0.0	12.1	0.0	0.0	1.8	0.0	0.0	0.0	0.0	8.2	0.0	4.0
13	12.2	1.8	0.0	4.8	1.6	0.0	0.0	0.0	0.0	6.5	4.8	0.0
14	1.0	0.0	0.0	4.8	5.0	0.0	0.0	0.0	1.0	1.2	1.8	5.2
15	1.6	0.0	20.7	4.0	10.3	0.0	0.0	0.0	1.0	0.0	3.3	10.1
16	2.3	0.0	1.2	11.4	0.0	0.0	0.0	0.0	0.0	1.8	1.2	11.4
17	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	2.7	1.2	0.0
18	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0
19	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	4.0	17.1	1.0	3.1
20	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.7
21	4.6	0.0	35.0	46.6	0.0	0.0	0.0	0.0	4.1	0.0	1.6	0.0
22	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
23	0.0	2.3	0.0	0.0	0.0	0.7	0.0	0.0	2.0	1.8	1.0	0.7
24	0.0	2.7	0.0	16.9	0.0	0.0	0.0	0.0	4.6	4.1	0.0	0.0
25	0.0	4.8	0.0	5.0	0.0	0.0	0.0	0.0	0.0	17.3	5.0	0.0
26	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.2	1.0	0.0	1.1
27	0.0	7.4	0.0	0.0	10.8	0.0	0.0	0.0	3.5	2.4	1.2	0.0
28	0.0	0.0	6.1	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	1.8	1.4	2.7	0.0	0.0	0.0	0.0	0.0	8.0	0.0
30	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	9.7	0.0	13.3	0.0
31	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	98.5	39.8	85.5	153.8	134.0	14.2	0.0	2.2	42.6	78.8	94.6	85.1
												829.2

RUKIRA

1983	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.0	0.7	4.0	19.6	19.3	0.0	0.0	0.0	0.0	0.0	0.0	1.6
2	0.0	0.0	1.0	0.8	1.8	0.0	0.0	0.0	0.0	0.0	1.0	0.0
3	29.6	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.7	4.1	4.1
4	0.0	0.0	3.5	0.0	3.3	0.0	0.0	0.0	32.4	0.0	28.6	0.0
5	0.0	0.0	0.0	7.0	1.6	0.0	0.0	0.0	0.0	1.6	5.4	3.5
6	0.0	30.7	0.0	0.0	15.2	0.0	0.0	0.0	3.5	1.0	3.1	0.0
7	0.0	0.0	3.1	0.0	8.6	0.0	0.0	0.0	0.0	0.0	1.2	5.8
8	1.0	5.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
9	0.0	0.0	3.1	0.0	0.0	0.0	0.0	5.8	2.3	1.8	0.0	0.0
10	0.0	6.5	0.0	0.0	1.0	0.0	0.0	2.0	0.0	4.0	0.0	1.4
11	0.0	0.0	38.5	0.0	0.0	0.0	0.0	0.0	1.8	1.2	0.0	1.4
12	0.0	0.0	0.0	0.8	0.0	1.4	0.0	0.0	0.0	2.6	2.0	4.0
13	0.0	0.0	0.7	20.9	0.0	0.0	0.0	0.0	0.0	13.7	31.3	25.0
14	0.0	0.0	10.8	12.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
15	1.2	0.0	1.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	9.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0
17	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	4.0	17.6	0.0	12.0
18	0.0	5.7	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	13.7	10.5
19	0.0	1.2	7.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	11.4	0.0	0.0	0.0	0.0	9.5	0.0	7.1	30.3	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	7.5	6.5
22	0.0	5.2	4.0	1.9	0.0	0.0	0.0	0.0	0.0	2.3	1.6	1.4
23	0.0	0.0	0.0	11.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	28.3	0.0	1.0	0.0	0.0	3.5	11.8	0.0	8.8
25	0.0	0.0	38.6	1.0	1.2	0.0	0.0	0.0	3.7	0.0	1.8	0.0
26	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	5.4	3.5	0.0	0.0
27	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	3.1	3.1	0.7	1.4
28	0.0	1.8	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.7	5.4	14.3
29	27.5	0.0	0.0	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	25.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0
31	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	59.3	58.3	164.7	158.2	54.7	2.4	0.0	21.6	59.8	74.3	141.1	101.9
												896.4

RUKIRA

1984	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	0.00	0.74	7.96	0.00	0.00	0.00	0.00	0.00	22.67	0.00	0.00
2	0.00	21.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.99	0.99
3	0.00	1.59	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.26	4.82
4	0.00	6.26	7.11	30.06	0.00	1.16	0.00	0.00	0.99	0.00	1.59	1.59
5	0.99	0.00	5.84	3.54	0.00	0.00	1.16	0.00	7.96	9.66	2.01	2.01
6	0.00	0.00	1.16	6.52	0.00	0.00	0.00	0.00	0.00	17.74	0.00	0.00
7	0.00	1.84	0.99	1.59	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.00
8	4.56	0.00	10.51	4.56	0.00	0.00	0.00	0.00	0.00	0.00	2.27	2.27
9	5.52	0.00	0.00	7.96	0.00	0.00	0.00	0.00	0.74	4.82	27.77	3.71
10	0.00	0.74	0.00	1.42	5.24	0.00	0.00	0.00	0.00	10.34	9.66	0.99
11	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00	2.44	0.00	0.99
12	0.00	0.00	0.00	2.01	1.16	0.00	0.00	0.00	0.00	6.26	5.67	0.74
13	13.06	0.00	18.42	0.74	1.16	0.00	0.00	0.00	0.00	2.27	1.16	0.00
14	2.69	0.00	5.24	1.59	4.56	0.00	0.00	0.00	0.00	0.00	18.84	14.34
15	0.00	10.09	17.40	0.00	0.00	0.00	0.00	3.71	6.52	0.00	5.24	0.00
16	0.00	0.00	0.00	0.99	5.84	0.00	0.00	0.00	0.00	0.00	16.72	0.00
17	0.99	0.00	6.94	0.99	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.41	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	22.24	0.00	0.00	0.00	3.54	0.00
21	3.71	0.99	0.00	0.00	0.00	0.00	1.59	0.00	0.00	0.00	8.64	0.00
22	0.74	0.00	0.00	1.84	0.00	0.00	8.39	0.00	0.00	1.84	1.59	0.00
23	0.00	0.00	0.00	3.54	0.00	0.00	16.29	0.00	0.00	6.69	0.00	0.00
24	0.00	2.01	0.00	0.00	0.00	0.00	2.69	2.44	0.00	1.42	19.69	0.00
25	1.59	3.97	0.00	4.56	0.00	0.00	0.00	1.16	0.00	0.00	1.75	0.00
26	0.00	0.74	0.00	4.82	0.00	0.00	0.00	0.74	0.00	2.27	3.97	0.00
27	0.00	3.71	7.79	1.16	0.00	0.00	0.00	0.74	0.00	0.00	11.36	0.74
28	0.00	1.59	4.56	0.00	0.00	0.00	0.00	1.16	0.99	0.00	4.82	0.00
29	2.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00
30	4.14	0.00	4.82	0.00	0.00	0.00	0.00	0.00	0.74	0.00	3.12	3.12
31	0.00	0.00	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	41.42	54.91	97.92	86.59	17.96	1.16	52.36	9.95	17.94	91.40	164.82	37.29

BUKIRA

1985	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	6.94	0.00	0.00	5.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	39.58	0.00	9.41	1.42	0.00	0.00	0.00	0.00	1.16	6.26	18.42
3	9.24	0.00	6.94	20.37	0.00	0.00	0.00	0.00	0.00	3.29	19.01	1.59
4	0.00	0.00	13.32	47.32	0.00	0.00	0.00	7.37	4.14	0.00	14.59	7.11
5	0.00	0.00	2.44	2.01	0.99	0.00	0.00	0.00	3.97	0.00	5.24	7.11
6	2.44	10.77	0.00	10.77	0.74	0.00	0.00	0.00	4.14	0.00	0.00	0.00
7	1.84	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	1.42
8	0.00	7.37	0.00	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74
9	16.89	5.67	0.00	5.67	0.99	0.00	0.00	0.00	2.69	4.65	0.00	1.42
10	0.00	0.00	0.00	18.16	4.14	0.00	0.00	0.00	22.07	0.00	5.84	9.58
11	0.00	0.00	0.00	1.59	1.16	0.00	0.00	0.00	1.16	0.00	16.04	1.16
12	6.94	0.00	0.00	0.99	0.74	0.00	0.00	0.00	3.71	0.00	1.59	2.86
13	0.00	0.00	0.00	21.56	0.00	0.00	0.00	0.00	0.00	9.66	12.21	4.82
14	0.00	0.00	0.00	4.14	6.69	13.49	0.00	0.00	0.74	0.00	0.00	16.46
15	0.00	24.37	0.00	2.44	0.00	0.00	0.00	4.99	0.00	0.99	0.00	0.00
16	2.44	0.00	0.00	4.82	0.00	0.00	0.00	0.00	0.00	13.32	0.00	0.74
17	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	12.47	6.94	0.00	0.00	0.00	0.00	1.16	0.00	0.00
19	0.00	3.71	23.69	2.35	3.12	0.00	0.00	0.00	0.00	2.69	2.44	16.46
20	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69	29.04	0.00
21	0.00	0.00	7.96	10.43	0.00	0.00	12.64	0.00	0.00	10.77	16.04	0.00
22	0.00	0.00	12.64	2.86	0.00	0.00	0.00	0.00	0.00	0.00	12.21	0.99
23	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	7.79	9.24	0.74
24	24.54	11.36	4.14	9.92	0.00	0.00	0.00	0.00	1.42	1.84	0.00	1.16
25	7.37	5.84	14.34	0.00	0.00	0.00	0.00	0.99	0.00	0.00	7.37	0.00
26	4.14	0.00	26.49	7.37	0.00	0.00	0.00	0.00	0.99	1.16	0.00	2.69
27	0.74	0.00	15.02	17.57	0.00	0.00	0.00	0.00	1.84	0.00	0.00	0.00
28	9.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	19.69	0.00
29	4.99	0.00	6.26	0.00	0.00	0.00	0.00	0.00	1.42	0.00	7.54	0.00
30	0.74	0.00	3.88	0.00	0.00	0.00	0.00	0.00	1.42	1.16	0.00	0.00
31	11.19	0.00	4.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16
Total	104.30	119.45	142.49	215.48	32.58	13.49	12.64	13.35	49.70	63.33	185.07	96.62
												1048.48

NYRB

1981	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.7
2	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	5.1	5.1	0.0
3	10.0	0.0	12.9	0.0	9.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	18.3	0.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0
6	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1.7	0.0	2.6	0.0	7.0	0.0	0.0	0.0	0.0	3.1	0.0	13.8
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.6	3.5	0.0
9	0.0	11.7	7.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	3.6	9.1
10	3.2	0.0	3.2	0.0	0.0	0.0	0.0	0.0	28.7	12.1	2.6	11.0
11	0.0	0.0	0.0	13.2	7.8	0.0	0.0	0.0	0.0	4.4	8.3	5.3
12	0.0	0.0	0.0	7.0	7.0	0.0	0.0	1.6	4.2	4.0	0.0	5.5
13	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	4.5	0.0	1.4	0.0
14	8.1	0.0	2.7	6.9	6.4	0.0	0.0	0.0	0.0	0.0	2.6	0.0
15	0.0	0.0	1.1	1.9	9.9	0.0	0.0	17.4	14.0	0.0	0.0	2.5
16	0.0	20.3	9.2	0.0	0.0	0.0	0.0	2.5	1.0	0.0	0.0	2.7
17	12.2	7.0	22.7	1.4	0.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
19	0.0	1.7	0.7	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	4.3	0.0	2.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.6
21	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6
22	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.6
23	5.0	0.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0
24	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
25	0.0	7.6	0.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	3.5	14.3	7.8	4.7	0.0	0.0	0.0	0.0	0.0	6.6	2.8	0.0
27	0.0	5.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
28	3.4	0.0	18.1	0.0	0.0	0.0	0.0	1.5	2.4	0.0	2.9	5.0
29	15.1	0.0	2.0	0.0	0.0	0.0	0.0	1.1	1.1	4.5	0.0	0.0
30	0.9	0.0	5.9	0.0	50.4	0.0	0.0	2.2	2.4	4.8	36.1	0.0
31	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0
Total	77.2	67.7	152.7	79.6	124.2	3.8	0.0	36.5	62.3	52.0	74.0	80.4
												810.4

NYRB

1982	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.8	0.0	0.0	8.1	0.0	0.0	0.0	0.0	1.7	0.0	14.6	10.9
2	1.0	6.0	0.0	2.0	7.0	10.1	0.0	0.0	0.0	0.0	0.8	2.9
3	8.8	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.9	4.4
4	1.9	0.0	0.0	11.2	17.1	0.0	0.0	0.0	1.7	0.0	3.3	8.2
5	0.0	0.0	1.6	2.0	0.0	0.0	0.0	0.0	2.3	0.0	6.2	5.3
6	0.0	0.0	0.0	0.9	6.2	0.0	0.0	1.3	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	3.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	4.8
8	0.0	0.0	14.0	3.1	2.5	0.0	0.0	0.0	0.0	1.3	0.0	0.8
9	3.2	0.0	0.0	0.0	14.9	0.0	0.0	0.0	0.0	0.0	6.6	0.0
10	0.0	0.8	0.0	0.0	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	4.2	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
12	0.0	9.1	0.0	0.0	1.6	0.0	0.0	0.0	1.1	2.0	0.0	0.0
13	9.1	1.6	0.0	3.7	1.4	0.0	0.0	0.0	0.0	6.2	0.0	3.1
14	0.9	0.0	0.0	3.7	3.9	0.0	0.0	0.0	0.0	5.0	3.7	0.0
15	1.4	0.0	15.3	3.1	7.8	0.0	0.0	0.0	0.9	1.1	1.6	4.0
16	1.9	0.0	1.1	8.5	0.0	0.0	0.0	0.0	0.9	0.0	2.6	7.6
17	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.6	1.1	8.5
18	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	2.2	1.1	0.0
19	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0
20	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	12.7	0.9	2.5
21	3.5	0.0	25.7	34.2	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.8
22	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	3.2	0.0	1.4	0.0
23	0.0	1.9	0.0	0.0	0.0	0.8	0.0	0.0	0.0	6.0	0.0	0.0
24	0.0	2.2	0.0	12.5	0.0	0.0	0.0	0.0	1.7	1.6	0.9	0.7
25	0.0	3.7	0.0	3.9	0.0	0.0	0.0	0.0	3.5	3.2	0.0	0.0
26	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	12.8	3.9	0.0
27	0.0	5.6	0.0	0.0	8.1	0.0	0.0	0.0	1.1	0.9	0.0	1.0
28	0.0	0.0	4.7	0.0	1.6	0.0	0.0	0.0	2.8	2.0	1.1	0.0
29	0.0	0.0	1.6	1.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
31	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	7.3	0.0	9.9	0.0
Total	75.0	30.8	63.9	116.4	101.5	10.8	0.0	2.0	34.2	60.8	73.2	65.4
												533.8

NYRB

1983	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.0	0.8	3.1	14.5	14.3	0.0	0.0	0.0	0.0	0.0	0.0	1.4
2	0.0	0.0	0.9	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.9	0.0
3	21.8	0.0	1.4	0.0	1.4	0.0	0.0	0.0	0.0	0.8	3.2	3.2
4	0.0	0.0	2.8	0.0	2.6	0.0	0.0	0.0	23.9	0.0	21.1	0.0
5	0.0	0.0	0.0	5.3	1.4	0.0	0.0	0.0	0.0	1.4	4.2	2.8
6	0.0	22.6	0.0	0.0	11.3	0.0	0.0	0.0	2.8	0.9	2.5	0.0
7	0.0	0.0	2.5	0.0	6.5	0.0	0.0	0.0	0.0	0.0	1.1	4.5
8	0.9	4.4	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0
9	0.0	0.0	2.5	0.0	0.0	0.0	0.0	4.5	1.9	1.6	0.0	0.0
10	0.0	5.0	0.0	0.0	0.9	0.0	0.0	1.7	0.0	3.1	0.0	1.3
11	0.0	0.0	24.6	0.0	0.0	0.0	0.0	0.0	1.6	1.1	0.0	1.3
12	0.0	0.0	0.0	0.8	0.0	1.3	0.0	0.0	0.0	2.1	1.7	3.1
13	0.0	0.0	0.8	15.5	0.0	0.0	0.0	0.0	0.0	10.2	23.1	18.4
14	0.0	0.0	8.1	8.9	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
15	1.1	0.0	0.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	6.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0
17	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.1	13.0	0.0	9.0
18	0.0	4.4	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	10.2	7.9
19	0.0	1.1	5.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	8.5	0.0	0.0	0.0	0.0	7.1	0.0	5.4	22.3	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	5.7	5.0
22	0.0	4.0	3.1	1.6	0.0	0.0	0.0	0.0	0.0	1.9	1.4	1.3
23	0.0	0.0	0.0	8.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	20.8	0.0	0.9	0.0	0.0	2.8	8.8	0.0	6.6
25	0.0	0.0	28.3	0.9	1.1	0.0	0.0	0.0	2.9	0.0	1.6	0.0
26	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	4.2	2.8	0.0	0.0
27	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	2.5	2.5	0.8	1.3
28	0.0	1.6	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.8	4.2	10.7
29	20.3	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	18.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
31	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	44.1	44.5	123.9	119.5	42.1	2.2	0.0	16.9	45.6	57.7	106.7	77.6
												680.9

NYRB

1984	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	0.00	0.76	6.03	0.00	0.00	0.00	0.00	0.00	16.75	0.00	0.00
2	0.00	15.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.94	0.94
3	0.00	1.38	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.79	3.73
4	0.00	4.79	5.41	22.15	0.00	1.07	0.00	0.00	0.94	0.00	1.38	1.38
5	0.94	0.00	4.48	2.80	0.00	0.00	1.07	0.00	6.03	7.27	1.69	1.69
6	0.00	0.00	1.07	4.97	0.00	0.00	0.00	0.00	0.00	13.16	0.00	0.00
7	0.00	1.56	0.94	1.38	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00
8	3.55	0.00	7.89	3.55	0.00	0.00	0.90	0.00	0.00	0.00	1.87	1.87
9	4.97	0.00	0.00	6.03	0.00	0.00	0.00	0.00	0.76	3.73	20.47	2.93
10	0.00	0.76	0.00	1.25	4.04	0.00	0.00	0.00	0.00	7.76	7.27	0.94
11	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.94
12	0.00	0.00	0.00	1.69	1.07	0.00	0.00	0.00	0.00	4.79	4.35	0.76
13	9.75	0.00	13.65	0.76	1.07	0.00	0.00	0.00	0.00	1.87	1.07	0.00
14	2.18	0.00	4.04	1.38	3.55	0.00	0.00	0.00	0.00	0.00	13.96	10.68
15	0.00	7.58	12.91	0.00	0.00	0.00	0.00	2.93	4.97	0.00	4.04	0.00
16	0.00	0.00	0.00	0.94	4.48	0.00	0.00	0.00	0.00	0.00	12.41	0.00
17	0.94	0.00	5.28	0.94	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.17	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	16.44	0.00	0.00	0.00	2.80	0.00
21	2.93	0.94	0.00	0.00	0.00	0.00	1.38	0.00	0.00	0.00	6.52	0.00
22	0.76	0.00	0.00	1.56	0.00	0.00	6.34	0.00	0.00	1.56	1.38	0.00
23	0.00	0.00	0.00	2.80	0.00	0.00	12.10	0.00	0.00	5.10	0.00	0.00
24	0.00	1.69	0.00	0.00	0.00	0.00	2.18	2.00	0.00	1.25	14.58	0.00
25	1.38	3.11	0.00	3.55	0.00	0.00	0.00	1.07	0.00	0.00	1.50	0.00
26	0.00	0.76	0.00	3.73	0.00	0.00	0.00	0.76	0.00	1.87	3.11	0.00
27	0.00	2.93	5.90	1.07	0.00	0.00	0.00	0.76	0.00	0.00	8.51	0.76
28	0.00	1.38	3.55	0.00	0.00	0.00	0.00	1.07	0.94	0.00	3.73	0.00
29	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00
30	3.24	0.00	3.73	0.00	0.00	0.00	0.00	0.00	0.76	0.00	2.49	0.00
31	0.00	0.00	3.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	32.63	42.69	74.72	67.94	14.20	1.07	39.51	8.57	14.40	69.75	125.50	30.06



NYRRB

1985	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	5.28	0.00	0.00	4.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	29.09	0.00	7.08	1.25	0.00	0.00	0.00	0.00	1.07	4.79	13.65
3	6.96	0.00	5.28	15.08	0.00	0.00	0.00	0.00	0.00	2.62	14.09	1.38
4	0.00	0.00	9.93	34.73	0.00	0.00	0.00	5.59	3.24	0.00	10.85	5.41
5	0.00	0.00	2.00	1.69	0.94	0.00	0.00	0.00	3.11	0.00	4.04	5.41
6	2.00	8.07	0.00	8.07	0.76	0.00	0.00	0.00	3.24	0.00	0.00	0.00
7	1.56	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	1.25
8	0.00	5.59	0.00	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76
9	12.54	4.35	0.00	4.35	0.94	0.00	0.00	0.00	2.18	3.61	0.00	1.25
10	0.00	0.00	0.00	13.47	3.24	0.00	0.00	0.00	16.32	0.00	4.48	7.21
11	0.00	0.00	0.00	1.38	1.07	0.00	0.00	0.00	1.07	0.00	11.92	1.07
12	5.28	0.00	0.00	0.94	0.76	0.00	0.00	0.00	2.93	0.00	1.38	2.31
13	0.00	0.00	0.00	15.95	0.00	0.00	0.00	0.00	0.00	7.27	9.13	3.73
14	0.00	0.00	0.00	3.24	5.10	10.06	0.00	0.00	0.76	0.00	0.00	12.23
15	0.00	17.99	0.00	2.00	0.00	0.00	0.00	3.86	0.00	0.94	0.00	0.00
16	2.00	0.00	0.00	3.73	0.00	0.00	0.00	0.00	0.00	9.93	0.00	0.76
17	0.00	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	9.31	5.28	0.00	0.00	0.00	0.00	1.07	0.00	0.00
19	0.00	2.93	17.50	1.94	2.49	0.00	0.00	0.00	0.00	2.18	2.00	12.23
20	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	21.40	0.00
21	0.00	0.00	6.03	7.83	0.00	0.00	9.44	0.00	0.00	8.07	11.92	0.00
22	0.00	0.00	9.44	2.31	0.00	0.00	0.00	0.00	0.00	0.00	9.13	0.94
23	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	5.90	6.96	0.76
24	18.12	8.51	3.24	7.45	0.00	0.00	0.00	0.00	1.25	1.56	0.00	1.07
25	5.59	4.48	10.68	0.00	0.00	0.00	0.00	0.94	0.00	0.00	5.59	0.00
26	3.24	0.00	19.54	5.59	0.00	0.00	0.00	0.00	0.94	1.07	0.00	2.18
27	0.76	0.00	11.17	13.03	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00
28	7.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	14.58	0.00
29	3.86	0.00	4.79	0.00	0.00	0.00	0.00	0.00	1.25	0.00	5.72	0.00
30	0.76	0.00	3.05	0.00	0.00	0.00	0.00	0.00	1.25	1.07	0.00	0.00
31	8.38	0.00	3.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07
Total	79.37	89.55	107.01	161.79	26.19	10.06	9.44	10.39	39.11	49.49	138.73	74.65
												795.79

Table C.9 Mean Monthly Water Level of the Lake MUHAZI (1976-1985) (gauging station)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	Ave.
JAN.	0.85	0.72	0.83	1.22	0.90	0.85	0.98	1.19	1.27	1.06	0.99
FEB.	0.76	0.75	0.84	1.23	0.97	0.88	0.96	1.13	1.26	1.15	0.99
MAR.	0.75	0.78	1.04	1.22	0.92	0.96	0.87	1.12	1.29	1.19	1.01
APR.	0.76	0.87	1.20	1.29	0.93	1.06	1.00	1.14	1.29	1.44	1.10
MAY.	0.80	1.05	1.52	1.47	1.00	1.15	1.35	1.24	1.23	1.75	1.26
JUN.	0.78	0.95	1.29	1.43	0.96	1.13	1.34	1.27	1.13	1.55	1.18
JUL.	0.63	0.79	1.13	1.25	0.86	1.00	1.19	1.16	1.00	1.38	1.04
AUG.	0.62	0.66	0.98	1.08	0.77	0.91	1.05	1.05	0.96	1.22	0.93
SEP.	0.62	0.64	0.90	0.99	0.74	0.93	0.96	1.05	0.90	1.18	0.89
OCT.	0.62	0.58	0.90	0.87	0.87	0.97	1.03	1.08	0.90	1.21	0.90
NOV.	0.70	0.65	0.95	0.78	0.94	0.96	1.12	1.17	1.01	1.33	0.96
DEC.	0.68	0.76	1.10	0.96	0.90	0.86	0.98	1.27	1.09	1.46	1.01
Annual	0.71	0.77	1.06	1.15	0.90	0.97	1.07	1.16	1.11	1.33	1.02

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	Ave.
JAN.	1465.98	1465.85	1465.96	1466.35	1466.03	1465.98	1466.11	1466.32	1466.40	1466.21	1466.12
FEB.	1465.89	1465.88	1465.97	1466.36	1466.10	1466.01	1466.09	1466.26	1466.39	1466.28	1466.12
MAR.	1465.88	1465.91	1466.17	1466.35	1466.05	1466.09	1466.00	1466.25	1466.42	1466.32	1466.14
APR.	1465.89	1466.00	1466.33	1466.42	1466.06	1466.19	1466.13	1466.27	1466.42	1466.57	1466.23
MAY.	1465.93	1466.18	1466.65	1466.60	1466.13	1466.28	1466.48	1466.37	1466.36	1466.88	1466.39
JUN.	1465.91	1466.08	1466.42	1466.56	1466.09	1466.26	1466.47	1466.40	1466.26	1466.68	1466.31
JUL.	1465.76	1465.92	1466.26	1466.38	1465.99	1466.13	1466.32	1466.29	1466.13	1466.51	1466.17
AUG.	1465.75	1465.79	1466.11	1466.21	1465.90	1466.04	1466.18	1466.18	1466.09	1466.35	1466.06
SEP.	1465.75	1465.77	1466.03	1466.12	1465.87	1466.06	1466.09	1466.18	1466.03	1466.31	1466.02
OCT.	1465.75	1465.71	1466.03	1466.00	1466.00	1466.10	1466.16	1466.21	1466.03	1466.34	1466.03
NOV.	1465.83	1465.78	1466.08	1465.91	1466.07	1466.09	1466.25	1466.30	1466.14	1466.46	1466.09
DEC.	1465.81	1465.89	1466.23	1466.09	1466.03	1465.99	1466.11	1466.40	1466.22	1466.59	1466.14
Annual	1465.84	1465.90	1466.19	1466.28	1466.03	1466.10	1466.20	1466.29	1466.24	1466.46	1466.15

C.10  
 Table # Mean Monthly Water Level of the Lake MUGESERA (1976-1985)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	Ave.
JAN.	0.49	-0.15	0.52	0.94	0.72	0.50	0.03	0.95	0.46	0.06	0.45
FEB.	0.33	0.07	0.51	0.82	0.78	0.46	0.04	0.66	0.45	0.10	0.42
MAR.	0.24	0.21	0.82	0.76	0.19	0.34	0.01	0.41	0.43	0.16	0.35
APR.	0.36	0.46	1.64	0.93	0.38	1.06	0.96	0.48	0.55	0.61	0.74
MAY.	0.59	1.04	1.40	1.57	0.86	1.39	0.91	1.37	0.62	1.50	1.13
JUN.	0.59	0.84	1.29	1.40	1.16	1.26	1.28	1.07	0.33	1.00	1.03
JUL.	0.37	0.38	0.58	0.90	0.70	0.64	0.70	0.44	0.10	0.77	0.56
AUG.	0.10	0.30	0.19	0.36	0.24	0.27	0.18	0.09	***	1.25	0.30
SEP.	0.00	0.38	0.47	0.39	0.03	0.22	0.01	0.01	***	1.05	0.26
OCT.	0.36	0.24	0.42	0.43	0.03	0.12	0.00	0.05	***	1.03	0.27
NOV.	0.32	0.49	0.42	0.45	0.15	0.08	0.14	0.25	0.03	1.11	0.34
DEC.	0.40	0.67	0.77	0.55	0.65	0.05	0.65	0.54	0.11	1.30	0.58
Annual	0.35	0.41	0.75	0.80	0.49	0.53	0.41	0.53	0.26	0.83	0.54

  

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	Ave.
JAN.	1328.63	1327.99	1328.66	1329.08	1328.86	1328.64	1328.17	1329.09	1328.60	1328.20	1328.59
FEB.	1328.47	1328.21	1328.65	1328.96	1328.92	1328.60	1328.18	1328.80	1328.59	1328.24	1328.56
MAR.	1328.38	1328.35	1328.96	1328.90	1328.33	1328.48	1328.15	1328.55	1328.57	1328.30	1328.50
APR.	1328.50	1328.60	1329.78	1329.07	1328.52	1329.20	1329.10	1328.62	1328.69	1328.75	1328.88
MAY.	1328.73	1329.18	1329.54	1329.71	1329.00	1329.53	1329.05	1329.51	1328.76	1329.64	1329.27
JUN.	1328.83	1328.98	1329.43	1329.54	1329.30	1329.40	1329.42	1329.21	1328.47	1329.14	1329.17
JUL.	1328.51	1328.52	1328.72	1329.04	1328.84	1328.78	1328.84	1328.58	1328.24	1328.91	1328.70
AUG.	1328.24	1328.44	1328.33	1328.50	1328.38	1328.41	1328.32	1328.23	1328.14	1329.39	1328.44
SEP.	1328.14	1328.52	1328.61	1328.53	1328.17	1328.36	1328.15	1328.15	1328.14	1329.19	1328.40
OCT.	1328.50	1328.38	1328.56	1328.57	1328.17	1328.26	1328.14	1328.19	1328.14	1329.17	1328.41
NOV.	1328.46	1328.63	1328.56	1328.59	1328.29	1328.22	1328.28	1328.39	1328.17	1329.25	1328.48
DEC.	1328.54	1328.81	1328.91	1328.79	1328.79	1328.19	1328.79	1328.68	1328.25	1329.44	1328.72
Annual	1328.49	1328.55	1328.89	1328.94	1328.63	1328.67	1328.55	1328.67	1328.40	1328.97	1328.68

C.11

Table 6.10

Mean Monthly Water Level of the Lake SAKE (1976-1985)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	Ave.
JAN.	1.03	0.83	0.98	0.90	0.90	0.74	0.47	0.87	0.85	0.23	0.78
FEB.	0.97	0.90	0.88	0.95	0.97	0.41	0.38	0.70	0.77	0.29	0.72
MAR.	0.93	0.96	1.02	1.06	0.92	0.58	0.05	0.59	0.82	0.43	0.74
APR.	1.02	1.03	1.29	1.11	0.93	0.98	0.53	0.82	0.92	0.72	0.93
MAY.	1.11	1.10	1.10	1.11	1.00	1.09	1.00	1.03	0.75	0.91	1.02
JUN.	1.10	1.07	1.07	1.14	0.96	0.90	1.01	0.89	0.25	0.46	0.89
JUL.	0.92	0.90	0.93	1.01	0.86	0.50	0.52	0.40	0.00	0.40	0.64
AUG.	0.78	0.76	0.83	0.91	0.77	0.33	0.08	0.10	0.00	0.68	0.52
SEP.	0.70	0.69	0.74	0.76	0.74	0.54	0.00	0.00	0.00	0.63	0.48
OCT.	0.65	0.74	0.78	0.70	0.87	0.43	0.11	0.30	0.12	0.94	0.56
NOV.	0.72	1.00	0.82	0.70	0.94	0.44	0.65	0.83	0.56	1.29	0.76
DEC.	0.89	0.88	0.86	0.80	0.90	0.41	0.48	0.95	0.65	1.30	0.81
Annual			0.94	0.93	0.90	0.61	0.44	0.62	0.47	0.69	0.74

  

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	Ave.
JAN.	1329.17	1328.97	1329.12	1329.04	1329.04	1328.88	1328.61	1329.01	1328.99	1328.37	1328.92
FEB.	1329.11	1329.04	1329.02	1329.09	1329.11	1328.55	1328.52	1328.84	1328.91	1328.43	1328.86
MAR.	1329.07	1329.10	1329.16	1329.20	1329.06	1328.72	1328.19	1328.73	1328.96	1328.57	1328.88
APR.	1329.16	1329.17	1329.43	1329.25	1329.07	1329.12	1328.67	1328.96	1329.06	1328.86	1329.07
MAY.	1329.25	1329.24	1329.24	1329.25	1329.14	1329.23	1329.14	1329.17	1328.89	1329.05	1329.16
JUN.	1329.24	1329.21	1329.21	1329.28	1329.10	1329.04	1329.15	1329.03	1328.39	1328.60	1329.03
JUL.	1329.06	1329.04	1329.07	1329.15	1329.00	1328.64	1328.66	1328.54	1328.14	1328.54	1328.78
AUG.	1328.92	1328.90	1328.97	1329.05	1328.91	1328.47	1328.22	1328.24	1328.14	1328.82	1328.66
SEP.	1328.84	1328.83	1328.88	1328.90	1328.88	1328.68	1328.14	1328.14	1328.14	1328.77	1328.62
OCT.	1328.83	1328.76	1328.92	1328.84	1329.01	1328.57	1328.25	1328.44	1328.26	1329.08	1328.70
NOV.	1328.79	1328.88	1328.96	1328.84	1329.08	1328.58	1328.79	1328.97	1328.70	1329.43	1328.90
DEC.	1328.86	1329.14	1329.00	1328.94	1329.04	1328.55	1328.62	1329.09	1328.79	1329.44	1328.95
Annual	1329.03	1329.02	1329.08	1329.07	1329.04	1328.75	1328.58	1328.76	1328.61	1328.83	1328.88

**E : TEMPERATURE RECORD**



ZAZA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	A
'79	20.6	20.5	20.6	20.4	20.4	19.5	20.0	21.6	21.4	21.7	20.5	19.8	20.6
'80	20.9	21.1	20.9	20.5	20.7	20.6	20.4	21.2	21.6	21.1	19.7	20.4	20.8
'81	20.8	20.7	20.2	20.9	20.4	20.3	20.5	21.0	20.8	20.6	19.9	20.1	20.5
'82	19.0	20.6	20.8	20.0	20.2	20.9	20.2	21.5	21.6	20.2	18.6	20.6	20.4
'83	21.4	22.0	21.8	21.5	21.5	21.9	23.2	22.9	22.9	21.8	21.4	21.0	21.6
'84	21.0	21.4	21.7	21.3	21.2	21.9	21.6	22.5	23.1	21.4	20.6	213.0	21.6
'85	21.5	21.4	21.5	21.1	21.1	22.5	23.1	24.0	23.3	23.8	16.6	20.8	
'86	21.2	21.4	20.6	20.6	20.0	20.1	20.7	20.0	21.5	19.9	21.9	20.7	21.3
'87	20.6	20.9	20.7	20.9	21.0	20.8	21.6	22.2	22.2	21.9	21.9	20.7	

KIBUNGO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	A
'79	20.5	20.8	20.0	20.7	20.1	20.4	20.7	21.2	20.7	20.7	20.1	20.2	20.5
'80	19.8	20.6	20.7	19.7	19.6	19.9	20.1	21.3	21.4	19.8	19.7		20.2
'81				20.6	18.3	21.2	21.5	21.1	21.0	20.1	19.8	19.5	
'82	19.6	19.9	20.4	19.8	20.3	20.5	20.3	21.1	21.5	20.4	19.8	19.5	20.3
'83	20.2	19.8	20.2	19.2	19.6	19.8	20.0	20.6		20.5	19.8	19.8	
'84	20.2	20.0	19.7	19.6	19.5	20.3	21.5	21.7	20.9	21.2	19.6	19.6	20.3
'85	19.8	20.8	20.9	20.5	20.4	20.7	21.8	22.1	21.8	21.2	20.1	21.6	21.0

KIGALI	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	A
'79	20.9	21.4	21.2	21.0	20.5	20.7	20.7	21.3	21.7	21.0	20.1	20.5	20.9
'80	20.8	20.8	20.6	21.4	20.4	20.5	20.9	21.5	20.7	20.5	20.5	20.6	20.8
'81	20.3	20.8	21.0	19.7	19.9	19.8	19.5	21.2	21.4	20.2	20.5	21.0	20.4
'82	21.6	22.4	21.9	21.1	21.1	21.4	21.7	21.8	21.4	20.1	20.4	19.9	21.2
'83	20.1	20.2	20.6	20.5	20.6	20.5	20.6	21.5	21.5	20.7	19.8	20.5	20.5
'84	20.4	20.7	20.7	20.3	20.7	20.3	20.5	21.5	20.9	20.1	20.4	20.4	20.6
'85	21.1	21.0	20.3	20.3	20.3	20.2	20.3	22.0	22.0	21.9	20.1	20.1	20.8
'86	20.7	21.6	21.4	21.3	20.1	20.7	21.6	22.4	22.2	20.9	20.6	21.8	21.3

