

BULLETINS CLIMATOLOGIQUES ANNUELS

de la

REPUBLIQUE RWANDAISE



ANNEE 1968

BUREAU CLIMATOLOGIQUE

DE L'ISAR

RUBONA

1969

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I N T R O D U C T I O N .

Les tableaux rassemblés ci-après comprennent pour les divers éléments climatiques considérés (pluie, température de l'air et du sol, humidité de l'air, insolation et évaporation) les caractéristiques relatives à l'année 1968 (1) ainsi que leurs écarts aux moyennes normales. Nous avons admis comme estimations de ces valeurs de références, les moyennes calculées sur les périodes 1931-1960 pour la pluie, 1950-1966 pour la température de l'air et 1955-1966 pour l'insolation et l'évaporation. Le nombre d'années sur lequel ont été calculées ces moyennes, est indiqué entre parenthèses en tête du tableau et immédiatement après le nom de la station.

Pour les précipitations, sont publiées également, lorsque ce fut possible, les fréquences des pluies journalières de diverses hauteurs et les intensités maxima mensuelles pour une durée continue de 15', 30', 45', 60' et 120'.

Pour les Stations à équipement instrumental important sont mentionnées des données supplémentaires, telles les variations horaires de la température et des caractéristiques de l'humidité de l'air (tension de vapeur d'eau, humidité relative, déficit de saturation) les températures minima au-dessus du gazon, les extrêmes de la température du sol enregistrée à 10 et 20 cm de profondeur et la variation horaire de la durée d'insolation en pour cent.

Enfin sont publiées également quelques données sur l'évaporation d'une nappe d'eau libre et sur l'évapotranspiration potentielle et actuelle d'une couverture de *paspalum notatum*.

Une liste préliminaire des Stations climatologiques utilisées pour ce bulletin précède les tableaux climatographiques. Pour chacune de ces stations figurent les coordonnées géographiques, l'altitude, les données fournies et le nom de la communauté religieuse, du service, de l'organisme ou de l'observateur effectuant les relevés

C. VAN MINNENBRUGGEN

St. MUGANZA

BUREAU CLIMATOLOGIQUE

ISAR-RUBONA.

(1) Les chutes de pluie au Rwanda ont été publiées pour les années 1927 à 1939 dans le Bulletin Agricole du Congo Belge, pour la période 1940 à 1959 dans la série des publications du Bureau climatologique de l'INERAC, qui à partir de 1950 réunit également les données concernant la température et l'humidité de l'air, la température du sol, l'insolation et l'évaporation. A partir de 1960 c'est le Bureau climatologique de l'ISAR à RUBONA qui assure la publication des données climatologiques recueillies en République Rwandaise.

LISTE DES STATIONS CLIMATOLOGIQUES DE LA REPUBLIQUE RWANDAISE,
UTILISEES POUR CE BULLETIN

NOMS	COORDONNEES GEOGRAPHIQUES		ALTITUDE en M	DONNEES PUBLIEES	OBSERVATEUR
	LONG. E.	LAT. S.			
BIGUTU	28° 59'	2° 59'	2205	P.	PLANTATION THE (Colon)
BUGARAMA	29° 01'	2° 41'	900	P.	SERVICE AGRI
BULENGE	30° 07'	2° 24'	± 1400	P.T.H.E.	O.B.M.
BUMAZI	29° 02'	2° 26'	-	P.	ADMINISTRATION COMMUNALE
BUTARE T.S.F.	29° 44'	2° 36'	1753	P.T.E	TELECOMS
BYIMANA	29° 44'	2° 08'	1750	P.T.E.I	FRERES MARISTES
BYUMBA	30° 03'	1° 36'	2235	P.T.	SERVICE AGRI
CYANGUGU	29° 53'	2° 29'	1529	P.T.	SERVICE AGRI
CYANIKA	29° 35'	2° 24'	1950	P.	PAROISSE CATHOLIQUE
GABIRO	30° 24'	1° 32'	1472	P.T.H.E.	PARC NATIONAL
GAHORORO	30° 30'	2° 10'	1700	P.T	SERVICE AGRI
GATSIBO	30° 14'	1° 35'	± 1500	P.	SERVICE VETERINAIRE
GIKORO	30° 20'	1° 55'	1650	P.	ADMINISTRATION COMMUNALE
GISENYI	29° 16'	1° 42'	1460	P.	SERVICE AGRI
GISOVU	29° 21'	2° 15'	2300	P.	SERVICE AGRI
GITARAMA	29° 46'	2° 05'	1850	P.	SERVICE AGRI
GITWE	29° 42'	2° 14'	± 1750	P.	MISSION ADVENTISTE
KABAYA	29° 32'	1° 44'	2250	P.	SERVICE MEDICAL
KADUHA	29° 35'	2° 14'	1900	P.	PAROISSE CATHOLIQUE
KAGANO	29° 07'	2° 20'	1470	P.	ADMINISTRATION COMMUNALE
KAGITUMBA	30° 27'	1° 03'	1280	P.	SERVICE DES DOUANES
KAMEMBE	28° 55'	2° 28'	1582	P.T.E	TELECOMS
KAMONYI	29° 54'	2° 00'	1980	P.	SOEURS BERNARDINES
KANSI	29° 45'	2° 42'	1670	P.	PAROISSE CATHOLIQUE
KARAMA-CRETE	30° 12'	2° 17'	1463	P.	O.B.M.
KARAMA-KILIMBI	30° 17'	2° 16'	1347	P.T.H.E	O.B.M.
KARAMA-PLATEAU	30° 16'	2° 17'	1403	P.T.Ts.H.E.I	I.S.A.R.
KARAMBI	30° 11'	1° 29'	± 1450	P.	SERVICE AGRI
KERU	29° 58'	2° 13'	1450	P.	SERVICE VETERINAIRE
KIBUNGO	30° 32'	2° 10'	1680	P.	SERVICE AGRI
KIBUYE	29° 21'	2° 03'	1470	P.T.	SERVICE AGRI
KIGALI	30° 04'	1° 57'	1550	P.T.E.	TELECOMS
KINIGI	29° 35'	1° 27'	2200	P.	REGIE PYRETHRE

NOMS	COORDONNEES GEOGRAPHIQUES		ALTIITUDE en M	DONNEES PUBLIEES	OBSERVATEUR
	LONG. E.	LAT. S.			
KINONI	29° 45'	1° 28'	1770	P.	SOEURS St.DE PAUL
KIRAMBO	29° 07'	2° 18'	1465	P.	PLANTATION (Colon)
KIZIGURO	30° 25'	1° 46'	1550	P.	PAROISSE CATHOLIQUE
LUKUMBEZI	30° 21'	2° 11'	1350	P.	SERVICE MEDICAL
MASAKA	30° 15'	2° 00'	± 1550	P.	SERVICE AGRI
MATA	29° 33'	2° 34'	1800	P.T.	PAROISSE CATHOLIQUE
MAZA	30° 16'	2° 17'	-	P.E.	O.B.M.
MBUYE	30° 24'	2° 18'	1325	P.T.E.	GENIE-RURAL
MIBIRIZI	28° 57'	2° 34'	1750	P.	PAROISSE CATHOLIQUE
MUBUGA	29° 19'	2° 10'	1650	P.	PAROISSE CATHOLIQUE
MUHERO	29° 56'	2° 24'	1440	P.	I.S.A.R.
MUKINGO	29° 34'	1° 32'	1900	P.	SERVICE VETERINAIRE
MULINDI	30° 02'	1° 28'	-	P.T.E	GENIE-RURAL
MURAMBA	29° 32'	1° 53'	1950	P	PAROISSE CATHOLIQUE
MURUNDA	29° 22'	1° 54'	1875	P.	PAROISSE CATHOLIQUE
MUSHA	30° 20'	1° 55'	1650	P.	MINETAIN
MUTOVU (BONDE)	-	-	-	P.	REGIE PYRETHRE
MWAGA	29° 04'	2° 26'	1500	P.	SERVICE AGRI
MWEZI	29° 02'	2° 31'	± 1750	P.	ADMINISTRATION COMMUNALE
NGOMA (MUGOMERO)	29° 17'	2° 11'	1680	P.	MISSION ADVENTISTE
NTARUKA	29° 47'	1° 22'	1865	P.	GENIE-RURAL
NYABISINDU	29° 50'	2° 25'	± 1700	P.	I.S.A.R.
NYAGATARE	30° 20'	1° 20'	1400	P.T.	SERVICE AGRI
NYAMATA	30° 05'	2° 99'	1428	P.T.H.E.I.	O.B.M.
NYAMIYAGA	29° 47'	2° 24'	1800	P.T.	I.S.A.R.
NYARUBUYE	30° 45'	2° 12'	1750	P.	PAROISSE CATHOLIQUE
PFUNDA	29° 17'	1° 44'	± 1480	P.T.	SERVICE AGRI
RAMBURA	29° 31'	1° 41'	2300	P.	PAROISSE CATHOLIQUE
RUBENGERA	29° 25'	2° 02'	1700	P.	MISSION PROTESTANTE
RUBILIZI	30° 07'	1° 49'	-	P.	SERVICE AGRI
RUBONA	29° 46'	2° 29'	1706	P.T.Ts.H.E.I.	I.S.A.R.
RUHENGERRI	29° 38'	1° 30'	1860	P.T.	SERVICE AGRI
RUHUNDE	29° 56'	1° 34'	2235	P.T.	SERVICE AGRI
RUKIRA	30° 30'	2° 02'	1700	P.	ADMINISTRATION COMMUNALE
RULINDO	29° 55'	1° 43'	1800	P.	PAROISSE CATHOLIQUE
RUSUMO	30° 47'	2° 23'	± 1345	P.T.E.	SERVICE AGRI
RUTONGO	30° 03'	1° 48'	1900	P.	PAROISSE CATHOLIQUE
RWAMAGANA	30° 25'	1° 57'	1550	P.	PAROISSE CATHOLIQUE

NOMS	COORDONNEES GEOGRAPHIQUES		ALTI TUDE en M	DONNEES PUBLIEES	OBSERVATEUR
	LONG. E.	LAT.S.			
RWANKUBA	29° 50'	1° 45'	1750	P.	PAROISSE CATHOLIQUE
RWAZA	29° 41'	1° 32'	1800	P.	PAROISSE CATHOLIQUE
RWERERE - COLLINE	29° 53'	1° 32'	2312	P.T.E.H.I.	I.S.A.R.
RWERERE - RUGEZI	29° 53'	1° 32'	2060	P.T.E.	I.S.A.R.
RWINKWAVU	30° 38'	1° 58'	1420	P.	GEORWANDA
SAVE	29° 46'	2° 33'	1725	P.	MISSION CATHOLIQUE
SHAGASHA	29° 02'	2° 26'	+ 1700	P.	SERVICE AGRI
SHANGI	29° 00'	2° 23'	-	P.	PAROISSE CATHOLIQUE
Service Géo- logique (RU- HENGRI)	29° 38'	1° 30'	1860	P.T.	SERVICE GEOLOGIQUE
CYOHHA	-	-	-	P.T.	SERVICE AGRI
NYAKIBANDA	29° 42'	2° 39'	1750	P.	GRAND SEMINAIRE NYAKIBANDA

(1) P. = Pluie, T. = Température de l'air, H. = Humidité de l'air, Ts. = Température du sol; I. = Insolation, E. = Evaporation.

II. - LA PLUIE.
EN MILLIMETRE I.

A. TOTAUX MENSUELS ET ANNUELS.

Lettres et signes conventionnels.

- P. = total mensuel ou annuel des pluies.
(P)N = normale (normale = moyenne de référence calculée sur le plus grand nombre d'années d'observation au cours de la période 1931 - 1960.
P-(P)N = écart de P à la normale.
 $\frac{100 P}{(P)N}$ = pourcentage de P à la normale.
J. = nombre de jours de pluie mesurable;
M. = chute de pluie maximum en 24 heures (08.00 h. temps civil).
* = il s'agit d'une moyenne mensuelle de référence (trois au maximum par station).
+ = il s'agit d'un total comprenant des moyennes mensuelles de référence.
() = le nombre entre parenthèses après le nom de la station, indique le nombre d'années au cours de la période 1931 - 1960.

B. FREQUENCES DES PLUIES JOURNALIERES DE DIVERSES HAUTEURS.

C. INTENSITES DES PRECIPITATIONS.

A. TOTAUX MENSUELS ET ANNUELS.

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.
					BIGUTU (7)				BUGARAMA (5)				BULENGE					
J.	252.0	186.3	+65.7	135.3	17	40.0	166.1	80.4	+85.7	206.6	17	27.4	62.9	-	-	-	7	35.0
F.	312.0	187.2	+124.8	166.7	16	50.0	96.0	128.7	-32.7	74.6	10	24.8	143.1	-	-	-	19	46.6
M.	251.0	284.7	-33.7	88.2	14	42.0	132.1	131.5	+0.6	100.5	12	42.8	126.6	-	-	-	18	21.3
A.	219.0	290.1	-71.1	75.5	22	24.0	160.6	157.6	+3.0	101.9	17	60.1	124.3	-	-	-	18	23.5
M.	155.0	190.0	-35.0	81.6	19	19.0	73.8	83.9	-10.1	88.0	7	25.1	62.7	-	-	-	17	14.5
J.	44.0	30.0	+14.0	146.7	7	15.0	22.3	45.4	-23.1	49.1	5	6.0	58.3	-	-	-	9	33.6
J.	3.0	18.0	-15.0	16.7	1	3.0	3.2	14.0	-10.8	22.9	1	3.2	4.0	-	-	-	1	4.0
A.	8.0	58.0	-50.0	14.8	1	8.0	0.0	12.5	-12.5	0.0	0	0.0	0.0	-	-	-	0	0.0
S.	112.0	115.4	-3.4	97.1	13	22.0	41.4	78.2	-36.8	52.4	6	15.4	23.6	-	-	-	5	16.5
O.	328.0	265.4	+62.6	123.6	22	36.0	134.3	96.4	+37.9	139.3	12	31.2	79.6	-	-	-	14	18.9
N.	383.0	263.7	+119.3	145.2	26	54.0	140.0	131.0	+9.0	106.9	18	16.5	124.6	-	-	-	23	33.2
D.	248.0	235.9	+12.1	105.1	19	60.0	138.9	126.5	+12.4	109.8	14	52.1	79.2	-	-	-	8	38.8
A.	2315.0	2124.7	+190.3	109.0	177	60.0	1108.7	1086.1	+22.6	102.1	119	60.1	888.9	-	-	-	139	46.6
					BUMAZI				BUTARE T.S.F. (13)				BYIMANA					
J.	157.9	-	-	-	23	27.3	-	101.3	-	-	-	-	128.1	-	-	-	16	36.9
F.	170.6	-	-	-	23	32.0	-	123.5	-	-	-	-	171.5	-	-	-	20	40.2
M.	168.9	-	-	-	20	28.7	-	171.5	-	-	-	-	213.8	-	-	-	29	81.7
A.	149.8	-	-	-	23	41.5	158.0	181.8	-23.8	-86.9	23	16.2	187.8	-	-	-	28	29.7
M.	139.2	-	-	-	22	18.8	121.7	149.4	-27.7	81.5	16	33.0	91.6	-	-	-	20	22.5
J.	53.8	-	-	-	17	10.0	33.1	23.5	+9.6	140.9	8	33.1	67.8	-	-	-	16	15.1
J.	6.9	-	-	-	8	3.6	0.3	5.8	-5.5	5.2	1	0.3	8.8	-	-	-	3	7.4
A.	13.7	-	-	-	10	5.0	0.1	24.2	-24.1	0.4	1	0.1	0.2	-	-	-	1	0.2
S.	132.4	-	-	-	16	33.5	62.2	69.0	-6.8	90.1	10	22.1	36.7	-	-	-	10	13.5
O.	252.9	-	-	-	27	36.3	112.2	97.9	+14.3	114.6	20	19.0	55.4	-	-	-	23	16.7
N.	285.8	-	-	-	29	35.0	137.4	112.4	+25.0	122.2	26	15.8	170.6	-	-	-	26	33.5
D.	168.1	-	-	-	20	34.7	103.9	108.6	-4.7	95.7	15	17.1	96.1	-	-	-	18	38.9
A.	1700.0	-	-	-	238	41.5	-	1168.9	-	-	-	-	1228.4	-	-	-	210	81.7

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	
GIKONGORO							GIKORO					GISAKURA							
J.	143.4	-	-	-	8	46.0	18.7	-	-	-	4	6.3	188.0	-	-	-	21	34.7	
F.	181.8	-	-	-	20	35.0	231.8	-	-	-	16	49.5	271.7	-	-	-	25	39.5	
M.	192.5	-	-	-	20	17.0	181.2	-	-	-	14	35.7	379.4	-	-	-	23	49.0	
A.	211.3	-	-	-	23	22.4	153.8	-	-	-	17	22.0	215.6	-	-	-	25	26.5	
M.	110.2	-	-	-	12	26.0	156.1	-	-	-	10	65.2	281.3	-	-	-	24	52.5	
J.	69.5	-	-	-	5	38.0	44.4	-	-	-	3	21.5	147.5	-	-	-	17	24.0	
J.	1.0	-	-	-	1	1.0	16.2	-	-	-	2	13.4	17.4	-	-	-	4	8.8	
A.	0.0	-	-	-	0	0.0	12.0	-	-	-	2	6.4	3.1	-	-	-	2	3.0	
S.	82.2	-	-	-	10	26.5	8.7	-	-	-	2	6.0	154.0	-	-	-	17	34.0	
O.	90.5	-	-	-	10	24.5	90.9	-	-	-	9	29.5	353.6	-	-	-	25	46.0	
N.	118.5	-	-	-	12	24.5	175.3	-	-	-	16	29.5	199.2	-	-	-	26	52.0	
D.	-	-	-	-	-	-	48.2	-	-	-	4	24.7	248.7	-	-	-	24	46.0	
A.	-	-	-	-	-	-	137.3	-	-	-	99	65.2	2459.5	-	-	-	233	52.5	
GISENYI (30)							GISOVU					GITARAMA							
J.	77.7	73.4	+4.3	105.9	11	36.8	117.4	-	-	-	23	14.0	89.7	-	-	-	9	25.5	
F.	183.1	82.7	+100.4	221.4	14	53.2	141.7	-	-	-	21	29.4	188.1	-	-	-	14	44.4	
M.	177.5	115.8	+61.7	153.3	16	21.3	166.9	-	-	-	22	30.0	138.6	-	-	-	16	29.4	
A.	228.6	141.5	+87.1	161.5	14	45.3	126.3	-	-	-	24	12.7	223.2	-	-	-	17	32.2	
M.	108.0	112.6	-4.6	95.9	10	55.6	77.8	-	-	-	18	24.8	117.3	-	-	-	10	37.0	
J.	67.7	59.1	+8.6	114.5	12	15.3	52.2	-	-	-	10	13.2	73.4	-	-	-	5	37.0	
J.	30.5	24.8	+5.7	123.0	5	12.6	18.1	-	-	-	6	9.8	0.0	-	-	-	0	0.0	
A.	24.4	48.8	-24.4	50.0	3	15.4	0.0	-	-	-	0	0.0	0.7	-	-	-	1	0.7	
S.	91.9	116.4	-24.5	79.0	8	24.3	51.4	-	-	-	11	11.3	48.9	-	-	-	4	28.7	
O.	148.6	124.5	+24.1	119.3	14	25.1	92.2	-	-	-	22	10.6	115.1	-	-	-	11	37.0	
N.	148.6	106.5	+42.3	139.7	21	16.5	-	-	-	-	-	-	172.1	-	-	-	11	30.0	
D.	80.9	92.3	-11.4	87.6	17	13.8	-	-	-	-	-	-	65.5	-	-	-	3	44.5	
A.	1367.7	1098.4	+269.3	124.5	145	55.6	-	-	-	-	-	-	1232.6	-	-	-	101	44.5	

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.
				GITWE						KABAYA (9)						KADUHA (6)		
J.	101.7	-	-	-	5	30.0	222.5	90.6	+131.96	245.6	15	50.0	126.0	98.6	+27.4	127.8	7	61.8
F.	188.5	-	-	-	9	39.0	211.5	110.3	+101.2	191.7	21	29.0	120.3	147.4	-27.1	81.6	16	27.3
M.	199.6	-	-	-	9	55.8	200.0	153.5	+46.5	130.3	24	26.0	195.8	98.9	+96.8	198.0	20	33.1
A.	205.2	-	-	-	13	48.4	230.0	203.3	+26.7	113.1	16	32.0	235.4	195.0	+40.4	120.7	18	52.7
M.	138.0	-	-	-	8	49.1	150.5	195.7	-45.2	76.9	16	25.0	134.6	141.6	-7.0	95.1	11	42.4
J.	48.5	-	-	-	1	48.5	187.5	52.6	+134.9	356.5	15	69.0	47.9	113.4	+34.5	357.5	9	12.8
J.	19.1	-	-	-	1	19.1	23.5	21.2	+2.3	110.8	3	11.0	30.7	6.5	+24.2	472.3	2	29.3
A.	0.0	-	-	-	0	0.0	13.0	43.6	-30.6	29.8	2	11.0	0.0	44.4	-44.4	0.0	0	0.0
S.	15.8	-	-	-	1	15.8	102.5	106.3	-3.8	96.4	9	24.0	50.9	89.0	-38.1	57.2	6	18.0
O.	82.3	-	-	-	5	44.5	115.8	142.9	-27.1	81.0	16	20.0	141.1	128.9	+12.2	109.5	12	28.3
N.	184.3	-	-	-	10	58.8	250.6	137.7	+112.9	182.0	25	30.1	180.2	100.3	+79.9	179.7	22	47.5
D.	92.5	-	-	-	5	29.4	131.5	116.7	+14.8	112.7	15	35.5	84.4	122.1	-37.7	69.1	11	20.6
A.	1275.5	-	-	-	67	58.8	1838.9	1374.4	+464.5	133.8	177	69.0	1347.3	1186.1	+161.2	113.6	134	61.8
				KAGANO						KAGITUMBA (28)						KAMEMBE (6)		
J.	133.0	-	-	-	21	14.7	-	41.4	-	-	-	-	16.1	165.8	-149.7	9.7	3	15.0
F.	198.2	-	-	-	23	18.0	210.2	66.6	+143.6	315.6	11	56.0	101.8	126.6	-24.8	80.4	14	28.6
M.	136.1	-	-	-	18	13.7	-	89.3	-	-	-	-	4.3	164.4	-160.1	2.6	1	4.3
A.	193.1	-	-	-	25	16.0	76.9	123.8	-46.9	62.1	7	17.4	110.3	152.3	-42.0	72.4	19	41.4
M.	43.0	-	-	-	12	9.1	95.6	81.8	+13.8	116.9	7	42.8	88.7	84.1	+4.6	102.5	20	17.9
J.	23.3	-	-	-	9	5.9	0.0	14.2	-14.2	0.0	0	0.0	38.3	42.3	-4.0	90.5	13	10.4
J.	6.7	-	-	-	4	5.1	16.2	8.2	+8.0	197.6	1	16.2	2.3	13.0	-10.7	17.7	4	0.9
A.	5.9	-	-	-	3	3.1	0.0	45.6	-45.6	0.0	0	0.0	0.0	49.7	-49.7	0.0	0	0.0
S.	96.4	-	-	-	15	11.6	0.0	81.1	-81.1	0.0	0	0.0	82.2	118.3	-36.1	69.5	15	22.0
O.	122.8	-	-	-	15	19.2	107.8	82.1	+25.7	131.3	4	55.0	237.9	155.4	+82.5	153.1	23	53.6
N.	124.3	-	-	-	16	24.6	-	105.6	-	-	-	-	223.2	180.1	+43.1	123.9	28	32.8
D.	92.9	-	-	-	14	18.5	-	86.6	-	-	-	-	170.3	144.6	+25.7	117.8	24	26.5
A.	1175.7	-	-	-	175	24.6	-	826.0	-	-	-	-	1075.4	1396.6	-321.2	77.0	164	53.6

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.
KAMONYI							KANISI (29)						KANISI - SEMINATRE					
J.	113.9	-	-	-	6	23.0	86.5	102.4	-15.9	84.5	3	45.2	84.2	-	-	-	12	34.9
F.	264.0	-	-	-	12	40.0	279.8	98.7	+181.1	283.5	11	46.3	292.0	-	-	-	21	41.6
M.	93.6	-	-	-	7	41.0	181.7	142.0	+39.7	128.0	14	31.6	162.4	-	-	-	25	25.0
A.	590.0	-	-	-	18	70.0	154.5	117.6	-22.1	87.5	7	65.4	166.7	-	-	-	22	23.6
M.	363.4	-	-	-	15	90.0	80.3	127.2	-46.9	63.1	6	27.3	74.0	-	-	-	15	17.8
J.	66.0	-	-	-	6	29.0	40.2	16.0	+24.2	251.3	2	25.0	23.3	-	-	-	9	7.2
J.	32.0	-	-	-	1	32.0	0.0	5.0	-5.0	0.0	0	0.0	3.5	-	-	-	1	3.5
A.	0.0	-	-	-	0	0.0	5.6	25.8	-20.2	21.7	1	5.6	0.7	-	-	-	1	0.7
S.	32.0	-	-	-	0	22.0	38.8	64.5	-25.7	60.1	1	38.8	36.4	-	-	-	6	15.8
O.	126.8	-	-	-	9	38.0	95.2	107.6	-12.4	88.5	6	40.2	105.7	-	-	-	22	21.4
N.	266.6	-	-	-	18	38.0	165.2	112.1	+53.1	147.4	13	40.8	167.1	-	-	-	26	45.3
D.	112.0	-	-	-	8	32.0	74.5	115.3	-40.8	64.6	9	30.1	50.1	-	-	-	19	9.2
A.	2060.3	-	-	-	108	90.0	1202.3	1093.2	+109.1	110.0	73	65.4	1166.1	-	-	-	179	45.3
KARAMA - CRETE							KARAMA - KILIMBI						KARAMA - PLATEAU					
J.	82.7	-	-	-	-	-	95.0	-	-	-	10	21.6	76.7	-	-	-	10	20.5
F.	112.4	-	-	-	-	-	105.6	-	-	-	19	23.0	101.1	-	-	-	18	26.0
M.	200.5	-	-	-	-	-	185.5	-	-	-	22	32.9	189.3	-	-	-	19	45.7
A.	210.2	-	-	-	-	-	205.6	-	-	-	19	40.0	216.2	-	-	-	16	44.3
M.	56.8	-	-	-	-	-	52.3	-	-	-	17	16.6	44.2	-	-	-	13	14.8
J.	35.5	-	-	-	-	-	34.5	-	-	-	7	17.6	40.7	-	-	-	5	21.2
J.	7.2	-	-	-	-	-	3.6	-	-	-	3	4.7	6.3	-	-	-	3	3.3
A.	0.0	-	-	-	-	-	0.0	-	-	-	0	0.0	0.0	-	-	-	0	0.0
S.	22.6	-	-	-	-	-	35.4	-	-	-	4	28.6	31.4	-	-	-	4	27.9
O.	79.5	-	-	-	-	-	86.9	-	-	-	24	21.8	78.4	-	-	-	21	15.6
N.	271.6	-	-	-	-	-	258.0	-	-	-	27	38.0	246.1	-	-	-	25	34.1
D.	86.4	-	-	-	-	-	77.3	-	-	-	15	38.0	61.9	-	-	-	11	24.9
A.	1165.4	-	-	-	-	-	1144.7	-	-	-	167	40.0	1092.3	-	-	-	145	45.7

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	
KARAMBI							KERU					KIBUNGO (29)							
J.	16.5	-	-	-	3	14.9	190.0	-	-	-	10	62.0	101.3	92.1	+9.2	110.0	4	43.1	
F.	110.66	-	-	-	10	29.6	255.0	-	-	-	15	35.5	200.3	94.4	+105.9	212.2	12	87.5	
M.	117.3	-	-	-	12	19.2	189.8	-	-	-	11	62.3	233.0	118.8	+114.2	196.1	15	34.0	
A.	164.9	-	-	-	9	46.1	237.5	-	-	-	12	51.5	205.1	152.3	+52.8	134.7	11	60.9	
M.	28.1	-	-	-	4	10.4	109.7	-	-	-	10	27.0	147.3	93.3	+54.0	157.9	6	83.5	
J.	5.1	-	-	-	2	3.9	0.0	-	-	-	0	0.0	34.1	12.6	+21.5	270.6	4	13.5	
J.	0.0	-	-	-	0	0.0	0.0	-	-	-	0	0.0	19.4	7.2	+12.2	269.4	1	19.4	
A.	2.6	-	-	-	2	2.1	0.0	-	-	-	0	0.0	0.0	17.4	-17.4	0.0	0	0.0	
S.	8.8	-	-	-	3	4.6	0.0	-	-	-	0	0.0	15.4	63.9	-48.5	24.1	2	12.9	
O.	72.1	-	-	-	12	10.2	103.4	-	-	-	7	53.0	47.8	70.5	-22.7	67.8	8	12.1	
N.	206.3	-	-	-	17	35.6	202.0	-	-	-	20	38.0	226.1	120.3	+105.8	187.9	21	31.4	
D.	58.3	-	-	-	6	24.1	94.5	-	-	-	10	21.0	94.8	103.7	-8.9	91.4	6	30.3	
A.	720.4	-	-	-	80	46.1	1381.9	-	-	-	95	62.3	1324.6	946.5	+378.1	139.9	90	87.5	
KIBUYE (7)							KIGALI (30)					KINIGI (8)							
J.	114.3	79.3	+35.0	144.1	23	11.1	58.9	89.7	-30.8	65.7	12	14.6	136.1	108.6	+27.5	125.3	8	40.0	
F.	157.0	91.9	+65.1	170.8	21	30.4	327.4	92.1	+235.3	355.5	18	82.1	214.2	134.1	+80.1	159.7	22	23.9	
M.	265.6	115.5	+150.1	230.0	25	73.2	130.0	103.0	+27.0	126.2	20	34.5	212.5	194.4	+18.1	109.3	23	32.0	
A.	214.1	121.7	+92.4	175.9	23	24.3	148.9	165.3	-16.4	90.1	17	37.2	-	255.1	-	-	-	-	
M.	72.6	85.6	-13.0	84.8	16	24.4	99.0	128.3	-29.3	77.2	15	21.2	98.1	198.2	-100.1	49.5	9	26.5	
J.	45.7	45.9	-0.2	99.6	7	31.4	38.8	26.4	+12.4	147.0	9	14.1	211.3	59.7	+151.6	353.9	14	40.3	
J.	63.9	21.3	+42.6	300.0	5	20.6	22.9	6.5	+16.4	352.3	32	21.5	39.0	28.8	+10.2	135.4	11	13.5	
A.	0.0	49.9	-49.9	0.0	0	0.0	0.5	22.1	-21.6	2.3	2	0.4	27.8	71.6	-43.8	38.8	6	10.1	
S.	80.0	106.7	-26.7	75.0	4	40.0	8.4	60.5	-52.1	13.9	7	5.7	78.1	107.9	-29.8	72.4	12	14.3	
O.	266.6	118.6	+148.0	224.8	18	70.0	81.1	101.8	-20.7	79.7	14	23.2	95.0	156.7	-61.7	60.6	22	15.3	
N.	301.5	96.0	+205.5	314.1	23	47.5	179.1	101.0	+78.1	177.3	27	40.3	196.8	153.6	+43.2	128.1	23	30.0	
D.	73.3	121.7	-48.4	60.2	9	15.5	54.4	89.1	-34.7	61.1	12	17.7	118.8	148.9	-30.1	79.8	14	27.5	
A.	1654.6	1054.1	+600.5	157.0	174	73.2	1149.4	985.8	+163.6	1166.6	157	82.1	-	1617.6	-	-	-	-	

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	
KINONI							KIRAMBO (23)						KIRINDA (30)						
J.	43.6	-	-	-	12	21.7	92.0	102.4	-10.4	89.8	11	24.0	-	112.5	-	-	-	-	-
F.	123.8	-	-	-	24	17.2	74.0	105.1	-31.1	70.4	12	12.0	-	120.5	-	-	-	-	-
M.	113.1	-	-	-	25	19.6	91.0	130.3	-39.3	69.8	18	9.0	-	123.0	-	-	-	-	-
A.	185.2	-	-	-	24	36.7	57.0	152.0	-95.0	37.5	10	10.0	-	197.4	-	-	-	-	-
M.	88.1	-	-	-	20	11.7	35.0	101.6	-66.6	34.4	7	7.0	-	153.8	-	-	-	-	-
J.	79.9	-	-	-	16	33.0	23.0	21.9	+1.1	105.0	5	7.0	-	29.6	-	-	-	-	-
J.	19.4	-	-	-	7	8.8	23.5	21.2	+2.3	110.4	2	16.0	-	12.5	-	-	-	-	-
A.	44.5	-	-	-	7	26.8	0.0	39.5	-39.5	0.0	0	0.0	-10.0	33.2	-23.2	-30.1	-2	8.0	-
S.	87.6	-	-	-	15	20.8	38.0	122.7	-84.7	31.0	5	18.0	37.5	107.3	-69.8	34.9	5	20.0	-
O.	116.6	-	-	-	22	36.5	188.0	137.0	+51.0	137.2	14	54.0	116.8	96.8	+20.0	120.7	12	55.0	-
N.	155.8	-	-	-	25	29.1	160.0	131.2	+28.8	122.0	16	24.0	155.0	112.4	+42.6	137.9	21	36.5	-
D.	86.3	-	-	-	13	24.0	93.0	103.1	-10.1	90.2	10	31.0	117.5	118.2	-0.7	99.4	16	21.0	-
A.	1143.9	-	-	-	210	36.7	874.5	1168.0	-293.5	74.9	110	54.0	-	1217.2	-	-	-	-	-
KIZIGURO (9)							MASAKA						MATA (5)						
J.	19.5	56.2	-36.7	348.7	6	10.4	79.4	-	-	-	12	19.7	106.1	148.5	-42.5	71.4	14	33.0	-
F.	216.6	74.2	+142.4	291.9	10	69.0	251.1	-	-	-	20	39.3	263.1	142.4	+120.7	184.8	22	50.6	-
M.	325.3	109.9	+215.4	296.0	17	120.5	212.6	-	-	-	21	51.5	238.5	157.5	+81.0	151.4	23	36.4	-
A.	139.3	129.1	+10.2	107.9	12	43.5	159.4	-	-	-	18	52.0	272.6	209.1	+63.5	130.4	25	29.2	-
M.	80.5	85.2	-4.7	94.5	6	40.6	111.5	-	-	-	14	28.8	131.4	155.2	-23.8	84.7	18	26.7	-
J.	60.0	19.5	+40.5	307.7	2	32.5	34.7	-	-	-	9	17.6	62.3	14.4	+47.9	432.6	11	20.1	-
J.	44.0	5.6	+38.4	785.7	2	32.4	12.9	-	-	-	2	8.9	5.5	4.2	+1.3	131.0	1	5.5	-
A.	14.1	21.6	-7.5	65.3	3	9.0	1.6	-	-	-	3	1.4	2.2	49.8	-47.6	4.4	1	2.2	-
S.	7.8	53.7	-45.9	14.5	2	6.3	17.2	-	-	-	7	6.5	72.4	63.9	+8.5	113.3	12	23.5	-
O.	103.9	76.2	+27.7	136.3	9	26.1	135.1	-	-	-	13	23.4	108.4	138.2	-29.8	78.4	18	17.0	-
N.	142.6	107.3	+35.3	132.9	17	35.5	23.5	-	-	-	25	19.2	179.0	144.6	+34.4	123.8	27	26.9	-
D.	63.4	78.7	-15.3	80.5	9	19.0	78.4	-	-	-	12	28.4	141.4	154.6	-13.2	91.5	16	32.9	-
A.	1217.0	817.4	+399.6	148.9	95	120.5	1117.4	-	-	-	156	52.0	1582.9	1382.4	+200.5	114.5	188	50.6	-

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	
MAZA							MBUYE						MIBILIZI (14)						
J.	88.2	-	-	-	-	-	94.8	-	-	-	I7	24.3	228.9	I7I.3	+57.6	I33.6	20	63.9	
F.	I07.2	-	-	-	-	-	II0.7	-	-	-	I9	3I.6	337.3	I67.0	+I70.3	202.0	I4	65.0	
M.	I80.0	-	-	-	-	-	I66.8	-	-	-	2I	45.3	I8I.3	I86.0	-4.7	97.5	20	3I.2	
A.	200.3	-	-	-	-	-	I94.2	-	-	-	I9	55.7	258.6	I86.6	+72.0	I38.6	22	66.5	
M.	47.6	-	-	-	-	-	75.9	-	-	-	I7	27.9	I58.5	I09.4	+49.I	I44.9	I7	47.0	
J.	38.I	-	-	-	-	-	I9.9	-	-	-	I0	I2.9	29.9	38.4	-8.7	77.3	8	I3.3	
J.	5.I	-	-	-	-	-	3.I	-	-	-	4	I.6	II.0	25.3	-I4.3	43.5	4	5.0	
A.	0.0	-	-	-	-	-	0.6	-	-	-	0	0.0	0.0	27.9	-27.9	0.0	0	0.0	
S.	27.2	-	-	-	-	-	3I.0	-	-	-	6	7.5	23.2	II2.2	-89.0	20.7	5	II.0	
O.	76.7	-	-	-	-	-	I50.I	-	-	-	22	37.5	I65.9	I52.I	+I3.8	I09.I	I9	35.0	
N.	265.5	-	-	-	-	-	I59.0	-	-	-	26	20.2	I28.4	I7I.8	-43.4	74.7	24	22.0	
D.	67.I	-	-	-	-	-	202.5	-	-	-	2I	50.6	303.6	204.8	+98.8	I48.2	20	73.0	
A.	II03.0	-	-	-	-	-	I208.0	-	-	-	I82	55.7	I826.4	I552.8	+273.6	II7.6	I73	73.0	
MUBUGA (22)							MUHERO (7)						MUKINGO						
J.	I3I.8	II02.2	+2I.6	II9.6	I2	I7.4	4I.5	93.2	-5I.7	44.5	6	I6.5	33.7	-	-	-	6	9.3	
F.	245.I	II8.4	+I26.7	207.0	I9	27.4	2I7.0	77.0	+I40.0	28I.8	I8	32.0	I2I.3	-	-	-	I2	I7.3	
M.	I8I.2	I46.7	+34.5	I23.5	I8	22.6	I73.5	III.7	+6I.8	I55.3	22	54.5	I72.I	-	-	-	20	23.2	
A.	263.3	I9I.6	+7I.7	I37.4	I5	46.2	222.5	I87.7	+34.8	II8.5	23	26.5	229.2	-	-	-	I4	8I.0	
M.	I68.0	I54.0	-I4.0	I09.I	I2	36.8	I52.0	I29.I	+22.9	II7.7	I7	26.0	56.2	-	-	-	4	I9.5	
J.	-	47.5	-	-	-	-	36.0	I2.5	+23.5	288.0	7	I2.0	I26.9	-	-	-	9	35.7	
J.	6.7	I8.9	-I2.2	35.4	I	6.7	I.0	I.3	-0.3	76.9	I	I.0	53.0	-	-	-	5	20.5	
A.	0.0	57.7	-57.7	0.0	0	0.0	0.0	26.6	-26.6	0.0	0	0.0	35.5	-	-	-	3	I4.0	
S.	-	II5.5	-	-	-	-	23.0	40.5	-I7.5	56.8	4	7.5	I03.3	-	-	-	I2	I3.3	
O.	20I.5	I3I.9	+69.6	I52.8	I8	33.5	I23.0	89.I	+33.9	I38.0	I5	24.0	I60.8	-	-	-	I3	28.3	
N.	I9I.6	I34.7	+56.9	I42.2	I6	36.6	I78.5	I27.0	+5I.5	I40.5	26	28.0	2I9.2	-	-	-	I9	47.0	
D.	8I.0	I23.7	-42.7	65.5	I4	22.6	II5.5	II5.3	+0.2	I00.2	I2	30.5	I23.9	-	-	-	I5	20.8	
A.	-	I350.8	-	-	-	-	I283.5	IOII.0	+272.5	I27.0	I5I	54.5	I435.I	-	-	-	I32	8I.0	

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	
					MULINDI					MURAMBA (18)					MURUNDA (10)				
J.	50.7	-	-	-	18	25.7	131.2	80.8	+50.4	162.4	16	33.7	180.6	135.4	+45.2	133.4	14	35.0	
F.	134.7	-	-	-	22	41.0	221.1	126.8	+94.3	174.4	21	31.0	237.1	141.5	+95.6	167.6	21	44.0	
M.	203.9	-	-	-	27	48.8	161.4	119.5	+41.9	135.1	18	37.1	258.9	133.6	+125.3	193.8	22	31.4	
A.	199.9	-	-	-	27	31.6	259.6	197.9	+61.7	131.2	23	42.6	259.9	199.0	+60.9	130.6	18	42.2	
M.	146.7	-	-	-	27	32.0	117.2	202.1	-84.9	58.0	11	29.3	129.3	140.3	-11.0	92.1	11	53.5	
J.	80.5	-	-	-	21	24.5	190.8	43.9	+146.2	433.0	8	68.1	106.6	60.7	+45.9	175.6	6	67.2	
J.	32.7	-	-	-	5	17.0	0.0	12.6	-12.6	0.0	0	0.0	41.8	22.4	+19.4	186.6	6	14.5	
A.	14.0	-	-	-	3	8.3	3.9	37.4	-33.5	10.4	2	2.3	-	36.6	-	-	-	-	
S.	111.5	-	-	-	14	67.0	62.6	101.4	-38.8	61.7	8	17.5	-	90.7	-	-	-	-	
O.	111.8	-	-	-	19	22.9	186.6	128.3	+58.3	145.4	18	31.0	-	129.5	-	-	-	-	
N.	175.0	-	-	-	26	43.7	253.0	144.7	+108.3	174.8	21	30.9	-	141.4	-	-	-	-	
D.	13.3	-	-	-	11	6.4	156.4	115.7	+40.7	135.2	12	32.6	-	145.3	-	-	-	-	
A.	1274.7	-	-	-	220	67.0	1743.1	1331.1	+432.0	132.9	158	68.1	-	1376.3	-	-	-	-	
					MUSHA					MWAGA					MWEZI				
J.	15.2	-	-	-	2	10.0	168.0	-	-	-	18	40.0	107.8	-	-	-	11	21.6	
F.	274.5	-	-	-	9	63.6	308.3	-	-	-	24	33.0	184.8	-	-	-	14	25.0	
M.	166.1	-	-	-	12	24.7	244.2	-	-	-	22	28.2	238.5	-	-	-	19	30.6	
A.	127.5	-	-	-	10	20.0	-	-	-	-	-	-	240.6	-	-	-	17	38.5	
M.	174.8	-	-	-	10	30.0	201.6	-	-	-	21	21.0	168.2	-	-	-	17	36.3	
J.	12.7	-	-	-	2	8.4	101.0	-	-	-	14	30.0	59.1	-	-	-	10	10.0	
J.	10.0	-	-	-	1	10.0	27.0	-	-	-	3	20.0	16.4	-	-	-	4	8.3	
A.	4.3	-	-	-	1	4.3	0.0	-	-	-	0	0.0	3.0	-	-	-	2	2.0	
S.	10.0	-	-	-	1	10.0	165.0	-	-	-	12	37.5	85.0	-	-	-	11	13.3	
O.	107.9	-	-	-	6	35.8	287.0	-	-	-	23	42.0	246.0	-	-	-	20	37.0	
N.	187.6	-	-	-	10	55.5	186.4	-	-	-	22	20.0	204.8	-	-	-	26	26.4	
D.	59.6	-	-	-	6	15.0	233.5	-	-	-	20	38.0	273.0	-	-	-	21	30.0	
A.	1150.2	-	-	-	70	63.6	-	-	-	-	-	-	1827.2	-	-	-	172	38.5	

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	
					NGARU					NGOMA (MUGOMERO)(17)					NTARUKA.				
J.	125.3	-	-	-	23	20.1	201.5	123.3	+78.2	163.4	9	60.6	41.3	-	-	-	8	11.4	
F.	200.7	-	-	-	28	32.4	280.7	114.2	+166.5	245.8	19	58.7	185.4	-	-	-	19	29.2	
M.	153.3	-	-	-	22	35.4	170.3	125.1	+45.2	136.1	9	31.2	93.3	-	-	-	16	17.3	
A.	303.9	-	-	-	25	47.9	256.6	145.4	+111.2	176.5	19	30.5	183.9	-	-	-	23	32.7	
M.	51.0	-	-	-	21	20.0	101.5	129.6	-28.1	78.3	5	24.4	96.0	-	-	-	18	9.6	
J.	98.0	-	-	-	32	25.1	78.8	31.3	+47.5	251.8	6	15.3	65.7	-	-	-	13	32.2	
J.	19.5	-	-	-	1	19.5	16.0	27.9	-11.9	57.3	1	16.0	11.9	-	-	-	2	8.0	
A.	8.8	-	-	-	2	8.1	0.0	48.0	-48.0	0.0	0	0.0	35.5	-	-	-	4	22.9	
S.	0.9	-	-	-	3	0.4	152.1	109.9	+42.2	138.4	7	56.0	78.2	-	-	-	12	22.7	
O.	98.1	-	-	-	22	19.6	124.7	132.0	-7.3	94.5	14	21.0	97.9	-	-	-	13	18.4	
N.	205.1	-	-	-	22	39.4	160.4	154.3	+6.1	104.0	13	47.3	109.0	-	-	-	18	23.7	
D.	97.1	-	-	-	16	24.4	58.2	136.7	-80.5	41.1	11	8.5	104.3	-	-	-	9	31.0	
A.	1361.7	-	-	-	209	47.9	1598.8	1277.7	+321.1	125.1	113	60.6	1103.3	-	-	-	155	32.7	
					NTENDEZI					NYABISINDU					NYAGATARE				
J.	102.0	-	-	-	11	26.0	101.3	-	-	-	11	54.6	17.8	-	-	-	4	10.3	
F.	202.0	-	-	-	19	24.0	210.6	-	-	-	15	46.5	99.2	-	-	-	14	31.5	
M.	210.0	-	-	-	19	44.0	105.8	-	-	-	21	18.4	229.9	-	-	-	17	50.7	
A.	211.0	-	-	-	19	30.0	225.1	-	-	-	20	27.7	150.8	-	-	-	16	46.1	
M.	165.0	-	-	-	18	20.0	85.0	-	-	-	14	28.7	82.2	-	-	-	16	40.1	
J.	51.0	-	-	-	5	15.0	49.8	-	-	-	9	15.0	46.3	-	-	-	6	28.8	
J.	8.0	-	-	-	1	8.0	0.0	-	-	-	0	0.0	110.2	-	-	-	4	49.5	
A.	0.0	-	-	-	0	0.0	0.0	-	-	-	0	0.0	7.5	-	-	-	3	4.5	
S.	95.7	-	-	-	8	30.0	39.6	-	-	-	5	15.8	10.4	-	-	-	4	6.7	
O.	229.0	-	-	-	21	28.0	122.6	-	-	-	12	36.7	92.1	-	-	-	14	22.8	
N.	225.0	-	-	-	24	25.0	239.0	-	-	-	26	23.0	183.8	-	-	-	20	49.3	
D.	231.0	-	-	-	19	32.0	72.9	-	-	-	10	13.7	-	-	-	-	-	-	
A.	1729.7	-	-	-	164	44.0	1252.3	-	-	-	143	54.6	-	-	-	-	-	-	

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.
NYAKABUYE							NYAMATA						NYAMISHABA					
J.	-	-	-	-	-	-	75.8	-	-	-	II	3I.3	I86.0	-	-	-	28	22.0
F.	-	-	-	-	-	-	I78.0	-	-	-	I8	27.9	I2I.0	-	-	-	I7	43.0
M.	97.4	-	-	-	6	58.0	I23.0	-	-	-	2I	24.2	220.0	-	-	-	24	36.0
A.	327.0	-	-	-	22	46.0	204.4	-	-	-	22	5I.2	236.0	-	-	-	20	39.0
M.	350.0	-	-	-	I7	55.0	57.6	-	-	-	I5	23.6	5I.5	-	-	-	6	26.5
J.	75.6	-	-	-	II	20.0	33.2	-	-	-	I2	I5.5	0.0	-	-	-	0	0.0
J.	0.0	-	-	-	0	0.0	I3.I	-	-	-	3	8.3	95.0	-	-	-	2	55.0
A.	0.0	-	-	-	0	0.0	0.8	-	-	-	2	0.6	0.0	-	-	-	0	0.0
S.	43.5	-	-	-	7	I6.3	I2.5	-	-	-	3	II.9	50.0	-	-	-	8	I5.0
O.	I30.0	-	-	-	24	22.4	5I.5	-	-	-	I7	I0.9	I60.2	-	-	-	I6	35.0
N.	I56.5	-	-	-	25	24.5	I93.7	-	-	-	29	30.9	I44.I	-	-	-	I8	24.0
D.	I78.3	-	-	-	22	24.6	8I.0	-	-	-	I3	35.3	7I.0	-	-	-	I9	II.0
A.	-	-	-	-	-	-	I024.6	-	-	-	I66	5I.2	I334.8	-	-	-	I58	55.0
NYAMIYAGA (23)							NYARUBUYE (I5)						PFUNDA					
J.	73.0	90.8	-I7.8	80.4	I0		72.4	6I.5	+I0.9	II7.7	6	45.6	I0I.0	-	-	-	I8	49.0
F.	262.0	97.8	+I64.2	267.9	I3		I48.4	74.I	+74.3	200.3	I0	33.6	I39.0	-	-	-	I9	2I.0
M.	I27.8	II9.8	+8.0	I06.7	I5		I86.7	I08.5	+78.2	I72.I	I8	29.2	370.0	-	-	-	20	44.0
A.	I75.6	I78.6	-3.0	98.3	I3		I46.4	I57.4	-II.0	93.0	20	26.0	II0.0	-	-	-	25	I9.0
M.	I52.4	I58.0	-5.6	96.5	I4		54.0	82.7	-28.7	65.3	8	I2.0	49.2	-	-	-	I3	9.0
J.	63.6	I5.9	+47.7	400.0	7		35.9	II.6	+24.3	309.5	5	I2.4	75.5	-	-	-	I4	23.0
J.	0.0	7.3	+7.3	0.0	0		0.0	5.5	-5.5	0.0	0	0.0	42.5	-	-	-	9	2I.0
A.	000	29.4	-29.4	0.0	0		0.0	I0.2	-I0.2	0.0	0	0.0	22.0	-	-	-	6	8.0
S.	30.6	60.7	-30.I	50.4	4		0.0	38.8	-38.8	0.0	0	0.0	I59.2	-	-	-	I6	48.0
O.	I03.7	9I.2	+I2.5	II3.7	I0		42.0	7I.3	-29.3	58.9	6	I0.0	I56.9	-	-	-	22	29.0
N.	II2.5	95.2	+I7.3	II8.2	I3		I69.6	96.3	+73.3	I76.I	I8	36.2	I75.9	-	-	-	24	5I.0
D.	87.0	9I.9	-4.9	94.7	9		83.2	II4.7	-3I.5	72.5	I0	I9.7	I0I.I	-	-	-	2I	I5.0
A.	II88.2	I036.6	+I5I.6	II4.6	I08		938.6	832.6	+I06.0	II2.7	I0I	45.6	I502.3	-	-	-	207	5I.0

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.
RUBENGERI (22)																		
J.	I29.5	86.6	+42.9	I49.5	I6	46.9	I48.6	I03.9	+44.7	I48.9	I3	26.6	98.8	-	-	-	9	34.0
F.	I44.6	I20.2	+24.4	I20.3	2I	I7.0	II2.5	I27.0	-I4.5	88.6	II	29.2	I34.3	-	-	-	9	26.9
M.	I30.9	I3I.7	-0.8	99.4	I8	2I.2	I79.6	I3I.0	+48.6	I37.7	I5	24.7	II3.5	-	-	-	10	58.8
A.	I84.2	2I4.I	-29.9	88.0	20	30.7	2II.5	I77.4	+34.I	I19.2	I9	39.3	I80.0	-	-	-	5	20.0
M.	I09.5	I98.7	-89.2	55.I	I6	20.6	95.6	I09.6	-I4.0	87.2	I0	25.6	72.4	-	-	-	3	I6.6
J.	I73.8	49.I	+I24.7	354.0	I4	49.4	86.0	4I.3	+44.7	208.2	9	32.6	38.4	-	-	-	3	I7.0
J.	34.4	I8.9	+I5.5	I82.0	3	I3.2	34.0	I3.5	+20.5	25I.9	3	25.I	33.I	-	-	-	0	0.0
A.	27.2	64.8	-37.6	42.0	5	I5.6	0.0	45.5	-45.5	0.0	0	0.0	0.0	-	-	-	2	7.6
S.	88.4	I24.8	-36.4	70.8	I4	I7.9	68.6	I04.2	-35.6	65.8	I0	29.6	I4.6	-	-	-	9	23.6
O.	I25.3	I5I.9	-26.6	82.5	I8	I9.3	I25.7	II6.9	+8.8	I07.5	I5	29.4	9I.4	-	-	-	I6	26.I
N.	225.5	I6I.5	+64.0	I39.6	24	27.5	I27.7	I2I.8	+5.9	I04.8	I4	38.I	I75.6	-	-	-	I0	I6.3
D.	66.I	II8.6	-52.5	55.7	I3	I5.4	53.7	I08.6	-54.9	49.4	I0	I7.4	64.8	-	-	-	88	58.8
A.	I439.4	I440.9	-I.5	99.9	I82	49.4	I243.5	I200.7	+42.8	I03.6	I29	39.3	IOI6.9	-	-	-	88	58.8
RUBONA (30)																		
J.	I00.3	I08.3	-8.0	92.6	I0	39.0	7I.6	89.I	-I7.5	80.3	6	26.I	23.0	70.7	-47.7	32.5	4	I4.0
F.	I40.2	II9.I	+2I.I	II7.7	I8	20.I	306.2	57.8	+248.4	529.8	I6	76.3	I63.0	93.I	+69.9	I75.I	I7	39.5
M.	I59.I	I37.6	+2I.5	II5.6	22	2I.I	I63.7	87.8	+75.9	I86.4	I9	45.3	I85.0	I42.2	+42.8	I30.I	I5	30.0
A.	269.9	I82.6	+87.3	I47.8	20	54.6	I83.4	I45.6	+37.8	I26.0	I6	3I.0	259.0	I75.I	+83.9	I47.9	2I	40.0
M.	94.9	I6I.4	-66.5	58.8	I9	I4.I	75.7	I29.3	-53.6	58.5	9	20.7	III.0	I52.3	-4I.3	72.9	I6	I7.0
J.	III.0	22.6	+88.4	49I.I	II	49.0	32.0	I3.0	+I9.0	246.I	5	I2.4	I47.0	50.0	+97.0	294.0	I3	25.0
J.	2.4	6.6	-4.2	36.4	I	2.4	0.0	7.0	-7.0	0.0	0	0.0	I8.0	20.5	-2.5	87.8	5	7.0
A.	0.0	27.3	-27.3	0.0	0	0.0	5.I	I2.2	-7.I	4I.8	I	5.I	60.0	48.4	+II.6	I24.0	4	30.0
S.	37.7	59.8	-22.I	63.0	9	I0.0	8.5	42.9	-34.4	I9.8	2	6.8	56.0	I07.8	-5I.8	5I.9	9	29.0
O.	I20.7	IOI.6	+I9.I	II8.8	I8	I9.0	77.4	74.8	+2.6	I03.5	8	2I.4	I50.5	I49.I	+I.4	I00.9	I5	24.0
N.	207.7	IO9.4	+98.3	I89.9	28	26.I	309.I	55.2	+23.9	560.0	26	30.8	2II.0	I3I.4	+79.6	I60.6	24	38.0
D.	55.3	93.5	-38.2	59.I	I3	II.0	76.3	93.8	-I7.5	8I.3	I2	2I.0	69.5	95.I	-25.6	73.I	II	I2.0
A.	I299.2	II29.8	+I69.4	II5.0	I69	54.6	I309.0	808.5	+500.5	I6I.9	I20	76.3	I453.0	I235.7	+2I7.3	II7.6	I53	40.0

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.
RUHUNDE (7)							RUKIRA						RULINDO (26)					
J.	77.4	91.6	-14.2	84.5	3	48.6	98.4	-	-	-	8	30.0	47.9	99.4	-51.5	48.2	9	14.0
F.	292.0	134.6	+157.4	216.9	14	32.8	183.8	-	-	-	17	22.0	219.6	114.8	+104.8	191.3	18	44.0
M.	154.0	122.9	+31.1	125.3	10	32.6	219.9	-	-	-	19	30.5	226.2	141.0	+85.2	160.4	17	43.0
A.	290.4	234.0	+56.4	124.1	13	36.8	172.4	-	-	-	18	32.5	235.6	211.5	+24.1	111.4	21	79.0
M.	247.0	129.2	+117.8	191.2	10	36.8	118.2	-	-	-	8	74.0	87.9	142.5	-54.6	61.7	11	48.0
J.	109.0	20.0	+89.0	545.0	5	36.2	19.0	-	-	-	4	10.0	55.5	33.2	-22.3	167.2	8	13.2
J.	24.2	13.4	+10.8	180.6	3	18.6	116.0	-	-	-	1	16.0	24.0	16.4	+3.6	146.3	2	14.0
A.	13.0	49.1	-36.1	26.5	1	13.0	0.0	-	-	-	0	0.0	9.8	35.4	-25.6	27.7	3	3.6
S.	68.4	109.7	-41.3	62.3	4	26.2	0.0	-	-	-	0	0.0	17.1	78.7	-61.6	21.7	6	4.5
O.	150.0	115.1	+34.9	130.3	8	29.6	47.0	-	-	-	10	16.4	65.2	111.4	-46.2	58.5	5	24.6
N.	224.0	93.8	+130.2	238.8	9	37.4	236.7	-	-	-	22	37.3	149.0	114.8	+34.2	129.8	26	27.0
D.	84.2	110.5	-26.3	76.2	4	32.8	87.3	-	-	-	6	27.5	53.5	105.2	-51.7	50.9	12	14.7
A.	1733.6	1223.9	+509.7	141.6	84	48.6	1198.7	-	-	-	113	74.0	1191.3	1204.3	-13.0	98.9	138	79.0
RU SUMO							RU SUMO (A.I.D.R.)						RU TONGO					
J.	131.0	-	-	-	8	43.5	-	-	-	-	-	-	143.6	-	-	-	5	41.0
F.	179.5	-	-	-	15	49.1	-	-	-	-	-	-	235.5	-	-	-	12	40.3
M.	155.9	-	-	-	17	36.6	-	-	-	-	-	-	218.8	-	-	-	14	52.0
A.	90.5	-	-	-	12	45.3	142.3	-	-	-	13	27.4	198.3	-	-	-	12	52.6
M.	41.0	-	-	-	14	11.3	66.1	-	-	-	11	23.6	126.3	-	-	-	9	58.2
J.	35.7	-	-	-	5	18.4	25.6	-	-	-	3	15.5	76.5	-	-	-	7	28.2
J.	0.0	-	-	-	0	0.0	0.0	-	-	-	0	0.0	41.0	-	-	-	2	26.0
A.	0.0	-	-	-	0	0.0	1.2	-	-	-	1	1.2	27.3	-	-	-	2	23.7
S.	24.1	-	-	-	2	23.3	32.9	-	-	-	3	24.3	17.4	-	-	-	3	12.7
O.	54.2	-	-	-	10	13.0	59.1	-	-	-	9	18.0	111.6	-	-	-	6	44.5
N.	185.9	-	-	-	18	25.2	215.3	-	-	-	17	45.7	127.2	-	-	-	13	58.0
D.	-	-	-	-	-	-	114.8	-	-	-	11	20.7	43.6	-	-	-	5	14.5
A.	-	-	-	-	-	-	-	-	-	-	-	-	1367.1	-	-	-	90	58.2

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.
RWAMAGANA (24)							RWANKUBA						RWAZA (22)					
J.	24.5	56.4	-12.3	78.2	5	26.8	80.0	-	-	-	8	18.0	56.4	76.3	-19.9	73.9	7	11.2
F.	277.3	86.1	+191.2	322.1	14	55.3	224.9	-	-	-	13	40.0	144.7	104.0	+40.7	139.1	15	24.6
M.	238.0	119.8	-118.2	198.7	16	31.8	243.2	-	-	-	14	41.0	112.9	148.0	-35.1	76.3	8	30.0
A.	160.4	168.9	-8.5	95.0	15	26.3	237.3	-	-	-	18	40.0	217.0	198.0	+19.0	109.6	10	35.0
M.	98.6	109.0	-10.4	90.5	11	20.5	119.0	-	-	-	12	18.0	98.2	158.4	-60.2	62.0	5	30.7
J.	46.2	12.6	+33.6	355.7	7	18.7	75.0	-	-	-	7	25.0	136.8	40.2	+96.6	340.3	6	30.5
J.	110.3	9.7	+0.6	106.2	1	10.3	29.0	-	-	-	2	15.0	14.8	15.2	-0.4	97.4	3	8.9
A.	11.7	23.0	-11.3	50.9	2	10.5	5.0	-	-	-	1	5.0	3.9	47.8	-43.9	8.1	2	2.1
S.	9.3	55.2	-45.9	16.8	2	4.7	58.1	-	-	-	6	23.3	128.2	104.6	+23.6	122.6	9	30.5
O.	93.2	88.7	+4.5	105.1	11	20.1	30.9	-	-	-	7	10.0	116.1	159.0	-42.9	73.0	13	18.3
N.	196.4	106.4	+90.0	184.6	24	20.4	186.6	-	-	-	21	27.6	185.4	150.7	+34.7	123.0	20	39.0
D.	61.1	90.3	-29.2	67.7	9	24.2	94.0	-	-	-	10	30.5	109.6	110.7	-1.1	99.0	14	18.6
A.	1246.6	926.1	+320.5	134.6	117	55.3	1383.0	-	-	-	119	41.0	1324.0	1312.9	+11.1	100.83	112	39.0
RWERERE - COLLINE							RWERERE - RUGEZI						RWINKWAVU (5)					
J.	34.6	-	-	-	14	14.7	33.5	-	-	-	14	13.5	67.3	100.0	-32.7	67.3	5	52.0
F.	177.3	-	-	-	22	25.5	156.5	-	-	-	23	34.0	196.0	54.7	+141.3	358.3	16	62.3
M.	148.7	-	-	-	25	24.9	139.2	-	-	-	26	19.9	200.2	89.4	+110.8	223.9	14	50.0
A.	190.2	-	-	-	26	31.3	166.6	-	-	-	27	26.2	146.9	177.1	-30.2	82.9	14	29.5
M.	86.7	-	-	-	18	18.1	116.5	-	-	-	21	17.8	95.6	102.6	-7.0	93.2	9	37.3
J.	67.0	-	-	-	17	15.4	83.3	-	-	-	19	19.0	20.0	1.1	+19.8	1900.0	6	5.4
J.	14.8	-	-	-	5	6.1	16.6	-	-	-	8	7.1	3.2	2.0	+1.2	160.0	1	3.2
A.	29.3	-	-	-	6	11.8	24.6	-	-	-	4	13.3	0.0	14.1	-14.1	0.0	0	0.0
S.	61.6	-	-	-	12	16.0	52.0	-	-	-	11	16.0	0.0	54.6	-54.6	0.0	0	0.0
O.	104.3	-	-	-	20	21.5	109.4	-	-	-	20	20.2	44.9	66.3	-21.4	67.7	6	20.0
N.	184.1	-	-	-	24	51.1	186.6	-	-	-	24	51.0	169.5	44.5	+125.0	380.9	19	26.2
D.	44.7	-	-	-	16	16.2	56.6	-	-	-	17	17.2	39.7	116.6	-76.9	34.0	6	14.7
A.	1143.3	-	-	-	205	51.1	1145.4	-	-	-	214	51.0	984.2	823.0	+161.2	119.6	96	62.3

MOIS	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.	P.	(P)N	P-(P)N	$\frac{100 P}{(P)N}$	J.	M.		
			SAVE (21)							SHAGASHA							SHANGHI			
J.	89.6	103.1	-13.5	86.9	9	44.0	128.0	-	-	-	16	29.0	177.0	-	-	-	21	57.7		
F.	223.1	109.6	+113.5	203.5	13	38.4	203.6	-	-	-	16	42.0	203.8	-	-	-	20	36.6		
M.	153.9	140.7	+13.2	109.4	13	25.6	255.7	-	-	-	16	36.6	178.3	-	-	-	23	44.0		
A.	246.3	179.6	+66.7	137.1	12	58.2	176.7	-	-	-	15	41.9	123.4	-	-	-	20	27.1		
M.	136.2	149.9	-13.7	90.9	9	36.4	159.0	-	-	-	13	50.4	110.2	-	-	-	22	20.4		
J.	58.5	27.4	+31.1	213.5	5	28.5	161.2	-	-	-	10	61.0	81.7	-	-	-	15	42.3		
J.	0.0	7.9	-7.9	0.0	0	0.0	5.3	-	-	-	4	2.1	10.2	-	-	-	5	7.5		
A.	0.0	21.4	-21.4	0.0	0	0.0	2.0	-	-	-	3	1.2	0.0	-	-	-	0	0.0		
S.	54.8	63.2	-8.4	86.7	9	11.5	151.5	-	-	-	12	32.4	134.7	-	-	-	12	34.3		
O.	78.6	95.5	-16.9	82.3	13	15.2	147.5	-	-	-	20	19.2	234.2	-	-	-	25	35.9		
N.	194.5	117.9	+76.6	165.0	21	30.7	228.6	-	-	-	25	29.0	198.3	-	-	-	23	25.6		
D.	88.3	86.9	+1.4	101.6	12	18.0	222.0	-	-	-	23	42.6	111.5	-	-	-	11	34.6		
A.	1323.8	1103.1	+220.7	120.0	116	58.2	1841.1	-	-	-	173	61.0	1563.3	-	-	-	197	57.7		
			ZAZA (27)							SERVICE GEOLOGIQUE (RUHENGRI)							CYOHOHA			
J.	47.6	76.0	-28.4	62.6	8	33.0	-	-	-	-	-	-	-	-	-	-	18	32.4		
F.	84.4	87.8	-3.4	91.1	15	12.1	-	-	-	-	-	-	215.0	-	-	-	23	21.2		
M.	289.1	122.2	+166.9	236.6	22	50.0	-	-	-	-	-	-	150.2	-	-	-	25	31.2		
A.	287.9	160.9	+127.0	178.9	19	46.5	-	-	-	-	-	-	190.4	-	-	-	22	54.5		
M.	124.1	114.8	+9.3	108.1	15	40.0	107.4	-	-	-	18	15.5	121.8	-	-	-	24	23.3		
J.	44.8	23.2	+21.6	193.1	8	17.0	124.8	-	-	-	13	24.5	59.0	-	-	-	7	9.0		
J.	3.9	6.0	-2.1	65.0	2	33.4	26.2	-	-	-	10	7.0	16.2	-	-	-	6	14.1		
A.	0.0	17.7	-17.7	0.0	0	0.0	34.6	-	-	-	6	14.5	22.3	-	-	-	15	23.4		
S.	9.1	62.9	-53.8	14.5	4	7.0	42.1	-	-	-	15	9.5	46.5	-	-	-	18	17.8		
O.	116.1	93.9	+22.2	123.6	12	21.7	119.7	-	-	-	20	19.0	84.2	-	-	-	25	28.0		
N.	168.8	141.7	+27.1	119.1	20	30.1	-	-	-	-	-	-	138.8	-	-	-	16	15.0		
D.	82.1	123.9	-41.8	66.3	9	20.3	79.8	-	-	-	15	21.0	57.7	-	-	-	-	-		
A.	1257.9	1031.0	+226.9	122.0	134	50.0	-	-	-	-	-	-	-	-	-	-	-	-		

MOIS	P.	(P)N	P--(P)N	$\frac{100 P}{(P)N}$	J.	M.
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NYAKIBANDA (23)

J.	257.3	109.1	+148.2	235.8	8	60.0
F.	217.6	125.0	+92.6	174.1	10	39.5
M.	216.6	147.2	+69.4	147.1	13	44.3
A.	229.3	178.1	+51.2	128.7	13	35.0
M.	105.4	142.1	-36.7	74.2	10	25.0
J.	53.0	14.1	+38.9	375.9	6	18.0
J.	0.0	10.5	-10.5	0.0	0	0.0
A.	0.0	31.7	-31.7	0.0	0	0.0
S.	26.6	70.0	-43.4	38.0	5	8.0
O.	126.7	112.2	+14.5	112.9	14	24.5
N.	108.4	105.2	+3.2	103.0	16	13.9
D.	44.9	104.7	-59.8	46.4	7	18.5
A.	1385.8	1149.9	+235.9	120.5	102	60.0

B. FREQUENCES DES PLUIES JOURNALIERES DE DIVERSES HAUTEURS.

h.	BIGUTU		BUGARAMA		BULENGE		BUMAZI		BYIMANA		BYUMBA		CYANGUGU		CYANIKA	
	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%
5 mm	41	23.2	37	31.1	84	60.9	39	16.4	32	15.2	40	28.8	37	19.6	33	21.6
5 mm	136	76.8	82	68.9	54	39.1	199	83.6	178	84.7	99	71.2	152	80.4	120	78.4
10	87	49.1	37	31.1	29	21.0	61	25.6	45	21.4	74	53.2	47	24.9	50	32.7
20	38	21.5	13	10.9	12	8.7	21	8.8	13	6.2	24	17.3	19	10.1	23	15.0
30	16	9.0	4	3.4	6	4.3	9	3.8	8	3.8	11	7.9	5	2.6	8	5.2
40	8	4.5	3	2.5	1	0.7	1	0.4	2	1.0	7	5.0	2	1.1	3	2.0
50	3	1.7	2	1.7	0	0.0	0	0.0	0	0.0	5	3.6	0	0.0	2	1.3
60	1	0.6	1	0.8	0	0.0	0	0.0	0	0.0	4	2.9	0	0.0	2	1.3
70	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.7
80	0	0.0	0	0.0	0	0.0	0	0.0	1	0.5	3	2.1	0	0.0	0	0.0
90	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	1.4	0	0.0	0	0.0
100	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0

h.	GABIRO		GAHORORO		GATSIBO		GIKORO		GISAKURA		GISENYI		GITARAMA		GITWE	
	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%
5 mm	20	18.2	33	24.4	31	36.0	24	24.2	48	20.6	34	23.4	21	20.8	9	13.4
5 mm	90	81.8	102	75.5	55	63.9	75	75.8	185	79.4	111	76.5	80	79.2	58	86.5
10	28	25.5	47	34.8	42	48.8	40	40.4	85	36.5	45	31.0	48	47.5	51	76.1
20	7	6.4	16	11.9	3	3.5	17	17.2	40	17.2	17	11.7	16	15.8	27	40.3
30	3	2.7	10	7.4	0	0.0	5	5.1	18	7.7	8	5.5	9	8.9	13	19.4
40	2	1.8	7	5.2	0	0.0	3	3.0	9	3.9	4	2.8	2	2.0	6	9.0
50	1	0.9	0	0.0	0	0.0	0	0.0	2	0.9	2	1.4	0	0.0	2	3.0
60	0	0.0	4	3.0	0	0.0	1	1.0	0	0.0	0	0.0	0	0.0	0	0.0
70	0	0.0	2	1.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
80	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
90	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

		KABAYA		KADUHA		KAGABO		KAMEMBE		KANSI		KARAMA-KILIMBI		KARAMA-PLATEAU		KARAMBI	
h.		J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%
55 mm	34	19.2	35	26.1	61	34.9	26	15.9	17	23.3	103	61.7	86	59.3	25	31.3	
	143	80.8	99	73.9	114	65.1	138	84.1	56	76.7	64	38.3	59	40.7	55	68.8	
	74	41.8	45	33.6	38	21.7	36	21.9	43	58.9	41	24.6	40	27.6	25	31.3	
	24	13.5	19	14.2	2	1.1	12	7.3	24	32.9	16	9.6	17	11.7	9	11.3	
	7	4.0	5	3.7	0	0.0	4	2.4	12	16.4	5	3.0	4	2.8	3	3.8	
	3	1.7	4	3.0	0	0.0	2	1.2	7	9.6	1	0.6	2	1.4	1	1.3	
	2	1.1	2	1.5	0	0.0	1	0.6	0	0.0	0	0.0	0	0.0	0	0.0	
	1	0.6	1	0.7	0	0.0	0	0.0	1	1.4	0	0.0	0	0.0	0	0.0	
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
55 mm	29	30.5	23	25.5	32	18.4	30	19.1	37	17.6	40	36.4	23	14.7	39	20.7	
	66	69.4	67	74.4	142	81.6	127	80.9	173	82.4	70	63.6	133	85.3	149	79.3	
	47	49.4	48	53.3	51	29.3	39	24.8	37	17.6	24	21.8	48	30.8	59	31.4	
	24	25.2	23	25.5	28	16.1	12	7.6	10	4.8	7	6.4	18	11.5	21	11.2	
	11	11.6	10	11.1	12	6.9	5	3.2	4	1.9	3	2.7	6	3.8	5	2.7	
	5	5.3	4	4.4	6	3.4	2	1.3	0	0.0	0	0.0	0	0.0	2	1.1	
	4	4.2	0	0.0	5	1.7	0	0.0	0	0.0	1	0.9	2	1.3	1	0.5	
	2	2.1	3	3.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
	0	0.0	0	0.0	2	1.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
	0	0.0	2	2.2	0	0.0	1	0.6	0	0.0	0	0.0	0	0.0	0	0.0	
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		

		MBUYE		MIBILIZI		MUGOMERO		MUHERO		MULINDI		MUKINGO		MURAMBA		MUSHA	
h.		J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%
<5 mm		33	18.1	43	24.9	24	21.2	34	22.5	29	13.2	50	37.9	32	20.3	11	15.7
5 mm		149	81.9	130	75.1	89	78.8	117	77.5	191	86.8	82	62.1	126	79.7	59	84.2
10		36	19.8	51	29.5	67	59.3	46	30.5	41	18.6	55	41.7	63	39.9	55	78.5
20		16	8.8	27	15.6	29	25.7	13	8.6	15	6.8	12	9.1	26	16.5	22	31.4
30		8	4.4	15	8.7	11	9.7	4	2.6	7	3.2	4	3.0	11	7.0	7	10.0
40		4	2.2	7	4.0	4	3.5	0	0.0	4	1.8	2	1.5	3	1.9	4	5.7
50		2	1.1	0	0.0	3	2.7	1	0.7	0	0.0	0	0.0	2	1.3	3	4.3
60		0	0.0	3	1.7	1	0.9	0	0.0	1	0.5	0	0.0	1	0.6	1	1.4
70		0	0.0	1	0.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
80		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	0	0.0
90		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		MWEZI		NGARU		NTARUKA		NYABISINDU		NYAMATA		NYAMIYAGA		NYARUBUYE		PFUNDA	
5 mm		37	20.9	14	6.7	38	24.5	26	18.2	101	60.8	29	26.9	27	26.7	30	14.5
5 mm		136	79.1	195	93.3	117	75.5	117	81.8	65	39.2	79	73.1	74	73.3	177	85.5
10		91	52.9	67	32.1	38	24.5	45	31.5	33	19.9	35	32.4	36	35.6	45	21.7
20		28	16.3	23	11.0	9	5.8	19	13.3	9	5.4	20	18.5	10	9.9	15	7.2
30		8	4.7	7	3.3	3	1.9	6	4.2	3	1.8	7	6.5	3	3.0	5	2.4
40		0	0.0	3	1.4	0	0.0	2	1.4	1	0.6	4	3.7	1	1.0	4	1.9
50		0	0.0	0	0.0	0	0.0	1	0.7	1	0.6	2	1.9	0	0.0	0	0.5
60		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
70		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
80		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
90		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

		RAMBURA		RUBENGERI		RUBILIZI		RUBONA		RUBUNGO		RUHENGERI		RUHUNDE		RUKIRA	
h.		J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%
5 mm	W	52	28.6	29	22.5	28	31.8	33	19.5	29	24.2	40	26.1	4	4.8	10	25.7
5 mm	W	I30	71.4	I00	77.5	60	68.2	I36	80.5	91	75.8	II3	73.8	40	95.2	84	74.3
10		49	26.9	47	36.4	46	52.3	46	27.2	48	40.0	52	34.0	77	91.6	52	46.0
20		II	6.0	23	17.8	II	12.5	I4	8.3	21	17.5	20	13.1	38	45.2	II	9.7
30		3	1.6	7	5.4	3	3.4	5	3.0	8	6.7	8	3.9	I2	14.3	6	5.3
40		2	1.1	0	0.0	0	0.0	3	1.8	2	1.7	I	0.7	I	1.1	0	0.0
50		0	0.0	0	0.0	I	1.1	I	0.6	0	0.0	0	0.0	0	0.0	0	0.0
60		0	0.0	I	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
70		0	0.0	0	0.0	0	0.0	0	0.0	I	0.8	0	0.0	0	0.0	I	0.9
80		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
90		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		RULINDO		RUTONGO		RWAMAGANA		RWANKUBA		RWAZA		RWERERE-COLLINE		RWERERE-RUGEZI		RWINKWAVU	
h.		J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%	J.	%
5 mm	W	3I	22.5	I5	16.7	I5	12.8	30	25.2	22	19.6	22	10.7	27	12.6	I9	19.8
5 mm	W	I07	77.5	75	83.3	I02	87.2	89	74.8	90	80.3	I83	89.3	I87	87.4	77	80.1
10		39	28.3	49	54.4	50	42.7	57	47.9	57	50.9	45	22.0	45	21.0	3I	32.3
20		I4	10.1	27	30.0	I8	15.4	20	16.8	22	19.6	I2	5.9	7	3.3	I4	14.6
30		6	4.9	I0	11.1	6	5.1	8	6.7	9	8.0	4	2.0	2	0.9	5	5.2
40		4	2.9	6	6.7	2	1.7	3	2.5	0	0.0	I	0.5	I	0.5	0	0.0
50		0	0.0	3	3.3	I	0.9	0	0.0	0	0.0	0	0.0	0	0.0	3	3.1
60		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
70		I	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	I	1.0
80		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
90		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

h.	S A V E		SHAGASHA		SHANGI		Z A Z A	
	J.	%	J.	%	J.	%	J.	%
5 mm	33	28.4	47	27.2	47	23.9	33	24.6
5 mm	83	71.5	126	72.8	150	76.1	101	75.3
10	46	39.7	69	39.9	52	26.4	42	31.3
20	22	19.0	20	11.6	18	9.1	18	13.4
30	10	8.6	10	5.8	7	3.5	11	8.2
40	3	2.6	6	3.5	3	1.5	5	3.7
50	2	1.7	2	1.1	1	0.5	1	0.7
60	0	0.0	1	0.6	0	0.0	0	0.0
70	0	0.0	0	0.0	0	0.0	0	0.0
80	0	0.0	0	0.0	0	0.0	0	0.0
90	0	0.0	0	0.0	0	0.0	0	0.0

C. INTENSITE DES PRECIPITATIONS

MAXIMA MENSUELS ET ANNUELS POUR UNE DUREE CONTINUE DE 15', 30', 45', 60' ET 120'.

		J.	F.	M.	A.	M.	J.	J.	A.	S.	O.	N.	D.	A.
BULENGE	15'	25.4	15.6	8.2	6.0	13.5	9.5	2.9	0.0	6.9	14.7	15.4	13.9	25.4
	30'	30.6	27.4	12.7	10.0	13.6	13.3	3.1	0.0	9.0	16.3	26.3	21.4	30.6
	45'	33.4	36.0	14.7	11.7	13.8	22.1	3.4	0.0	9.9	16.6	29.2	29.5	36.0
	60'	34.0	36.2	16.4	12.8	13.9	22.2	4.0	0.0	10.7	16.6	29.4	33.7	36.2
	120'	34.4	40.9	19.2	14.6	14.0	22.3	4.0	0.0	11.9	16.6	29.5	38.8	40.9
GABIRO	15'	6.1	7.7	13.0	12.0	5.9	8.5	15.8	6.7	2.1	9.5	10.2	5.6	15.8
	30'	6.6	15.3	19.5	20.5	9.9	9.9	18.3	10.7	2.5	10.0	13.4	6.1	20.5
	45'	16.6	17.4	21.7	28.6	9.9	14.7	18.9	11.2	2.5	10.0	14.0	7.5	28.6
	60'	6.6	19.3	22.8	30.3	9.9	17.1	19.5	11.4	2.5	10.0	14.1	9.9	30.3
	120'	6.6	20.6	25.0	30.7	9.9	19.4	19.7	11.6	2.5	10.0	22.0	9.9	30.7
KARAMA-PLATEAU	15'	5.3	9.6	16.3	10.6	11.0	8.8	1.7	0.0	14.6	5.5	21.5	6.6	21.5
	30'	7.8	15.6	22.6	16.3	14.4	11.1	2.4	0.0	23.7	10.0	25.0	11.7	25.0
	45'	7.9	19.8	23.4	16.8	14.8	11.2	2.4	0.0	24.1	11.0	25.9	13.5	25.9
	60'	8.7	20.1	23.6	17.5	14.8	11.2	2.4	0.0	25.8	11.4	26.2	15.3	26.2
	120'	10.8	22.1	24.5	22.0	14.8	11.2	2.4	0.0	25.9	11.5	26.2	22.4	26.2
KINIGI	15'	-	-	10.0	-	-	-	4.5	4.6	3.8	10.5	3.8	9.5	-
	30'	-	-	14.2	-	-	-	7.9	6.6	6.2	10.7	6.3	14.4	-
	45'	-	-	16.2	-	-	-	9.9	7.9	9.2	10.7	6.6	15.1	-
	60'	-	-	19.4	-	-	-	10.8	8.1	9.2	10.7	6.6	15.7	-
	120'	-	-	21.0	-	-	-	10.8	8.5	9.2	10.7	6.6	15.7	-

		J.	F.	M.	A.	M.	J.	J.	A.	S.	O.	N.	D.	A.
MATA	15'	9.6	14.5	8.0	12.4	6.5	8.2	1.8	1.5	8.0	5.9	11.0	9.5	14.5
	30'	17.6	23.7	12.7	18.4	11.5	9.7	3.1	1.5	10.8	6.9	15.0	13.0	23.7
	45'	19.4	26.6	14.5	20.9	15.5	10.7	3.8	1.5	11.8	7.3	16.5	15.0	26.6
	60'	19.4	28.8	14.9	21.9	17.6	16.7	4.5	1.5	12.3	10.3	18.0	16.0	28.8
	120'	19.4	49.3	15.3	23.4	24.0	16.7	4.5	1.5	12.3	10.3	30.8	22.1	49.3
NYAMATA	15'	8.8	14.1	8.1	8.9	14.1	6.2	5.5	0.4	6.0	16.1	13.3	17.4	17.4
	30'	15.0	15.8	10.1	14.2	17.8	9.8	7.5	0.5	10.5	6.3	19.1	26.1	26.1
	45'	21.5	17.6	12.1	15.1	18.3	11.9	7.9	0.6	10.5	6.4	24.1	31.2	31.2
	60'	22.8	19.4	13.0	15.1	18.4	12.1	8.2	0.6	10.5	6.4	24.8	32.2	32.2
	120'	27.7	22.1	14.6	15.1	18.4	12.4	8.2	0.6	10.5	6.4	24.8	35.2	35.2
RUBONA	15'	16.6	9.0	10.9	18.5	6.5	9.0	1.0	0.0	9.2	13.0	10.0	7.3	18.5
	30'	26.4	11.2	13.6	31.5	8.3	15.8	1.9	0.0	9.4	13.1	17.0	7.3	31.5
	45'	38.6	13.9	15.0	34.3	9.0	20.8	2.1	0.0	9.4	13.1	17.0	7.3	38.6
	60'	38.6	14.8	16.0	36.3	9.5	21.9	2.2	0.0	9.4	13.2	17.0	7.3	38.6
	120'	38.6	14.9	18.8	37.3	9.6	21.9	2.2	0.0	9.4	17.0	17.0	7.3	38.6
RWERERE-COLLINE	15'	3.5	15.33	16.0	11.0	9.77	9.5	2.0	7.5	6.8	9.5	16.6	3.2	16.6
	30'	6.0	20.9	17.2	15.7	11.4	11.0	2.3	9.7	10.8	14.5	24.6	4.1	24.6
	45'	8.5	23.4	17.4	21.7	11.6	12.0	2.8	10.4	12.2	15.0	32.6	4.5	32.6
	60'	10.0	23.6	17.9	27.7	11.8	12.5	3.7	10.8	12.4	16.0	37.2	5.5	37.2
	120'	14.5	23.6	17.9	27.7	14.8	14.5	4.6	10.8	13.8	19.1	38.8	6.6	38.8

III. TEMPERATURE DE L'AIR
(~~MM~~ DEGRES CENTIGRADES)

A. TEMPERATURES EXTREMES ET MOYENNES.

Lettres et signes conventionnels.

- \bar{T}_M = moyenne mensuelle ou annuelle de la température maximum journalière.
 \bar{T}_m = moyenne mensuelle ou annuelle de la température minimum journalière.
 \bar{T}^m = moyenne mensuelle ou annuelle de la température moyenne journalière $\frac{(T_M + T_m)}{2}$.
 $T^N - (T^N)_N$ = écart de T à la normale (normale = moyenne de référence calculée sur la période 1950 -1966).
T A = température maximum absolue mensuelle ou annuelle.
T a = température minimum absolue mensuelle ou annuelle.
* = il s'agit d'une moyenne annuelle tenant compte de moyennes mensuelles de référence.

B. VARIATIONS MOYENNES HORAIRES DE LA TEMPERATURE ET MOYENNES VRAIES.

C. TEMPERATURE MINIMA AU-DESSUS DU GAZON.

- \bar{T}_{mg} = moyenne mensuelle ou annuelle de la température minimum au-dessus du gazon.
T_{ag} = température minimum absolue mensuelle ou annuelle au-dessus du gazon.
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MOIS	KANSI-SEMINAIRE						KARAMA-KILIMBI						KARAMA-PLATEAU (7)					
	\bar{T}_M	\bar{T}_m	\bar{T}^M	$\bar{T}^M/(\bar{T}^M)_N$	TA	Ta	\bar{T}_M	\bar{T}_m	\bar{T}^M	$\bar{T}^M/(\bar{T}^M)_N$	TA	Ta	\bar{T}_M	\bar{T}_m	\bar{T}^M	$\bar{T}^M/(\bar{T}^M)_N$	TA	Ta
J.	26.2	14.3	20.3	-	28.6	12.0	27.2	14.3	20.8	-	29.5	12.0	26.9	14.9	20.9	+0.3	29.4	12.4
F.	24.9	14.8	19.9	-	29.5	13.0	26.2	15.6	20.9	-	30.6	13.9	26.0	15.8	20.9	+0.6	30.4	14.2
M.	23.7	14.6	19.1	-	26.5	12.6	25.7	15.3	20.5	-	28.4	13.6	25.6	15.4	20.5	-0.2	28.4	13.0
A.	24.1	14.7	19.4	-	26.5	13.0	29.5	15.7	22.6	-	28.1	13.6	25.6	15.6	20.6	+0.1	27.8	14.2
M.	24.4	14.0	19.2	-	26.5	11.2	26.4	14.5	20.5	-	28.0	12.2	26.0	14.9	20.5	+0.1	27.8	12.4
J.	24.6	13.0	18.8	-	27.2	9.8	26.6	13.6	20.1	-	28.5	10.1	26.3	14.0	20.1	-0.1	28.4	11.2
J.	25.5	13.0	19.3	-	28.5	10.8	27.2	12.2	19.7	-	29.7	9.2	26.8	13.5	20.1	-0.3	30.0	10.4
A.	27.1	14.9	21.0	-	30.6	11.2	28.9	13.1	21.0	-	31.6	9.1	28.4	14.8	21.6	+0.1	30.6	10.8
S.	27.6	13.6	20.6	-	30.9	11.6	29.7	13.3	21.5	-	31.9	10.4	29.5	14.6	22.1	+0.2	31.6	12.4
O.	26.5	13.7	20.1	-	30.0	11.6	27.4	14.1	20.6	-	31.8	11.6	27.5	15.0	21.3	+0.1	31.8	13.2
N.	23.3	13.7	18.5	-	27.0	11.4	25.4	14.7	20.1	-	27.8	12.6	25.3	15.1	20.2	-0.1	27.4	13.6
D.	25.4	13.8	19.6	-	28.5	11.8	26.4	13.8	20.1	-	28.4	11.6	26.5	14.4	20.5	+0.1	29.0	12.2
A.	25.3	14.0	19.7	-	30.9	9.8	27.2	14.2	20.7	-	31.9	9.1	24.7	14.8	19.8	-0.9	31.8	10.4
	KIGALI (14)						MULINDI						NYAMATA					
J.	26.8	14.1	20.5	0.0	29.3	12.4	24.8	8.0	16.4	-	26.7	4.2	27.0	13.7	20.3	-	29.4	11.0
F.	25.3	15.0	20.1	-0.5	28.8	12.6	23.7	10.7	17.2	-	26.9	6.4	25.8	15.1	20.5	-	29.1	12.6
M.	25.2	14.9	20.1	-0.3	28.0	13.2	23.6	10.2	16.9	-	25.9	5.4	25.8	14.6	20.2	-	28.5	12.2
A.	25.1	15.1	20.1	+0.1	27.3	13.0	23.5	10.4	17.0	-	25.7	8.0	25.6	14.9	20.3	-	28.5	12.6
M.	24.8	14.7	19.8	-0.2	26.8	11.8	23.2	9.9	16.5	-	25.2	6.4	25.8	14.7	20.3	-	27.5	10.8
J.	24.9	14.0	19.5	-0.5	26.5	11.2	23.5	8.7	16.1	-	24.9	2.5	25.8	13.3	19.6	-	27.8	9.6
J.	25.4	13.8	19.6	-0.6	28.1	11.0	23.8	6.8	15.3	-	26.3	2.6	26.3	12.6	19.5	-	29.3	8.8
A.	26.8	14.9	20.9	-0.1	29.1	12.0	24.4	8.5	16.5	-	26.4	3.7	28.2	13.6	20.9	-	31.0	9.0
S.	28.6	14.3	21.5	+0.3	30.9	11.5	25.2	8.0	16.6	-	27.8	2.9	29.7	13.5	21.6	-	31.6	10.6
O.	26.9	14.3	20.6	-0.2	30.9	12.6	23.9	8.1	16.0	-	26.6	5.0	27.7	13.7	20.7	-	31.5	11.4
N.	24.7	14.5	19.6	-0.6	27.6	12.5	23.2	9.7	16.5	-	25.2	7.2	24.9	14.4	19.7	-	27.5	11.6
D.	25.7	14.2	20.0	-0.2	28.6	12.0	24.2	8.4	16.3	-	25.4	5.1	25.7	13.6	19.7	-	28.5	11.2
A.	25.8	14.5	20.1	-0.3	30.9	11.0	23.9	8.9	16.4	-	27.8	2.5	26.5	14.0	20.3	-	31.6	8.8

MOIS	NYAMUYAGA (14)							RUBONA							RUBUNGO						
	\bar{T}_M	\bar{T}_m	\bar{T}_M	$\bar{T}_M - (\bar{T}_M)N$	TA	Ta	\bar{T}_M	\bar{T}_m	\bar{T}_M	$\bar{T}_M - (\bar{T}_M)N$	TA	Ta	\bar{T}_M	\bar{T}_m	\bar{T}_M	$\bar{T}_M - (\bar{T}_M)N$	TA	Ta			
J.	24.8	8.2	16.5	-3.2	27.0	5.5	24.1	13.7	18.9	-0.4	26.4	12.4	26.8	14.0	20.4	-	29.5	12.0			
F.	24.7	8.3	16.5	-3.1	28.0	6.5	23.6	14.4	19.0	-0.2	26.4	12.8	26.9	14.9	20.9	-	29.0	12.5			
M.	24.0	8.1	16.1	-3.4	26.0	6.5	23.1	14.1	18.6	-0.6	25.1	12.0	25.6	14.8	20.2	-	28.0	13.0			
A.	24.2	7.8	16.0	-3.1	26.0	7.0	22.9	14.3	18.6	-0.4	26.5	13.2	25.7	14.8	20.3	-	28.5	13.0			
M.	23.9	7.4	15.7	-3.4	26.0	6.0	22.8	14.2	18.5	-0.5	24.5	11.6	25.4	13.9	19.7	-	27.0	11.0			
J.	23.6	8.3	16.0	-1.7	25.5	6.0	22.9	13.4	18.1	-0.5	24.6	10.0	25.0	13.3	19.1	-	27.5	10.0			
J.	23.7	8.1	15.9	-2.1	28.0	6.0	23.3	13.0	18.1	-0.8	26.2	11.1	25.3	13.1	19.2	-	28.0	8.0			
A.	25.7	8.0	16.9	-1.9	29.0	6.5	25.4	14.4	19.9	0.0	28.1	13.0	27.6	14.5	21.1	-	29.5	11.5			
S.	27.4	8.1	17.8	-1.0	29.5	6.5	26.7	13.9	20.3	+0.3	28.9	11.8	29.5	14.1	21.8	-	32.0	11.5			
O.	25.6	8.2	16.9	-1.4	29.5	5.5	25.0	13.8	19.4	-0.2	28.4	12.4	28.1	14.3	21.2	-	32.5	12.5			
N.	23.8	7.3	15.5	-2.4	26.0	6.0	22.4	13.5	18.0	-0.8	25.3	12.1	25.1	14.6	19.9	-	28.5	12.5			
D.	24.6	7.8	16.2	-1.6	26.5	5.5	23.4	13.6	18.5	-0.6	25.9	11.0	26.2	13.9	20.1	-	29.5	12.5			
A.	24.7	8.0	16.3	-1.8	29.5	5.5	23.8	13.9	18.9	-0.3	28.9	10.0	26.4	14.2	20.3	-	32.5	8.0			
							RUHUNDE							RWERERE-COLLINE. (9)							
J.	25.6	11.1	18.3	-	28.0	9.5	21.4	11.0	16.2	-	23.5	9.5	20.4	11.8	16.1	+0.4	22.0	10.5			
F.	24.7	10.8	17.8	-	28.5	8.0	21.3	11.1	16.2	-	24.5	10.0	19.4	11.6	15.5	-0.2	22.6	10.1			
M.	23.8	10.9	17.3	-	26.5	8.0	21.9	11.3	16.6	-	23.5	9.5	19.4	11.2	15.3	-0.4	21.3	10.3			
A.	-	-	-	-	-	-	20.9	11.2	16.1	-	22.5	9.5	19.0	11.4	15.2	-0.2	20.7	9.8			
M.	-	-	-	-	-	-	20.9	11.3	16.1	-	24.0	10.0	18.7	11.0	14.9	-0.5	20.5	9.6			
J.	-	-	-	-	-	-	20.6	10.9	15.8	-	23.0	9.5	18.3	10.5	14.4	-0.8	20.3	7.9			
J.	22.9	10.0	16.5	-	26.5	8.0	19.4	10.6	15.0	-	22.0	9.0	18.6	9.8	14.2	-1.1	21.2	8.3			
A.	23.8	9.1	16.5	-	27.0	6.5	20.5	10.8	15.7	-	22.5	10.0	19.8	10.9	15.3	-0.6	22.4	9.3			
S.	25.7	10.6	18.1	-	27.5	7.5	21.5	11.0	16.3	-	24.0	9.5	20.9	11.5	16.2	+0.4	23.9	10.4			
O.	24.8	13.9	19.3	-	27.0	7.5	22.1	11.1	16.6	-	25.0	9.5	20.0	11.4	15.7	+0.2	23.1	9.7			
N.	23.9	10.0	17.0	-	27.0	8.0	21.4	11.0	16.2	-	23.5	9.5	18.7	10.6	14.7	-0.4	21.1	8.7			
D.	25.2	10.6	17.9	-	28.5	8.0	21.6	11.3	16.3	-	23.5	9.5	19.6	11.6	15.6	-0.5	21.7	10.3			
A.	-	-	-	-	-	-	21.1	11.0	16.1	-	25.0	9.0	19.4	11.1	15.3	-0.2	23.9	7.9			

RWERERE - RUGEZI (9)

ZAZA

MOIS	\bar{T}_M	\bar{T}_m	\bar{T}'	$\bar{T}' - (\bar{T}')/N$	T _A	T _a	\bar{T}_M	\bar{T}_m	\bar{T}'	$\bar{T}' - (\bar{T}')/N$	T _A	T _a
J.	23.2	6.4	14.8	+0.1	25.3	2.5	24.8	13.1	19.0	-	30.0	12.6
F.	22.1	9.2	15.7	+1.2	26.1	5.7	24.8	14.3	19.5	-	31.6	13.7
M.	22.1	9.4	15.8	+1.1	24.6	5.1	15.0	14.3	19.7	-	27.8	12.0
A.	21.9	10.3	16.1	+0.9	26.9	7.3	24.8	14.8	19.8	-	27.5	13.0
M.	21.3	8.6	15.0	-0.3	23.1	5.6	25.4	13.8	19.6	-	27.0	12.5
J.	20.8	7.0	13.9	+0.2	22.1	3.3	25.5	13.2	19.3	-	27.8	10.2
J.	21.7	4.5	13.1	-0.2	24.0	1.5	25.1	13.9	19.5	-	29.0	11.0
A.	22.1	5.6	13.9	-0.3	24.7	2.2	27.4	13.2	20.3	-	29.5	11.0
S.	23.8	4.5	14.1	-0.5	25.7	2.4	26.2	13.8	21.0	-	31.6	12.6
O.	22.9	5.3	14.1	-0.7	25.6	2.6	26.0	13.7	19.9	-	31.7	12.4
N.	21.7	7.3	14.5	-0.2	23.9	5.0	24.8	14.2	19.5	-	28.0	12.5
D.	20.3	6.1	14.2	-0.8	24.7	3.8	25.6	13.7	19.7	-	28.0	12.5
A.	22.1	7.0	14.5	-2.4	26.9	1.5	25.6	13.8	19.7	-	31.7	10.2

B. VARIATIONS MOYENNES HORAIRES DE LA TEMPERATURE ET MOYENNES VRAIES.

KARAMA - KILIMBI.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	14.7	15.1	17.2	19.0	20.9	22.5	24.1	24.9	25.3	25.0	24.0	23.3	22.0	
F.	16.3	16.5	18.2	19.8	21.3	22.5	23.5	24.4	24.7	24.1	24.0	23.1	21.7	
M.	16.0	16.2	17.6	19.1	20.6	21.8	22.8	23.5	24.0	24.1	23.7	22.5	21.2	
A.	16.3	16.6	18.1	19.7	21.1	22.3	23.3	23.7	23.9	22.7	22.3	21.5	20.4	
M.	15.4	16.1	18.5	20.4	21.9	23.1	23.8	24.4	24.5	24.5	24.0	23.1	21.2	
J.	14.5	15.1	17.8	19.6	21.2	22.6	23.7	24.6	25.0	25.5	24.9	24.2	22.0	
J.	13.2	13.9	17.0	19.6	21.8	23.3	24.5	25.4	25.8	26.3	25.7	25.1	22.6	
A.	14.1	14.7	18.2	21.2	23.1	24.6	25.8	26.8	27.6	27.7	27.4	26.4	24.4	
S.	14.1	15.4	19.2	22.2	24.2	25.9	26.9	27.5	27.7	27.8	27.6	26.7	24.0	
O.	15.5	16.6	18.9	20.9	22.9	24.2	24.4	24.8	24.5	24.2	23.6	22.8	21.3	
N.	16.1	16.6	18.1	19.6	20.9	22.2	22.9	22.7	22.0	22.1	21.9	21.0	19.6	
D.	14.7	15.7	17.8	19.5	20.8	22.9	23.7	24.1	23.9	24.3	23.9	23.1	21.3	
A.	15.1	15.7	18.0	20.0	21.7	23.2	24.1	24.7	24.9	24.9	24.4	23.6	21.8	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6 h	6-6 h.
J.	20.1	118.9	18.0	17.3	16.8	16.3	15.9	15.5	15.2	14.9	14.6	21.6	16.8	19.2
F.	20.0	19.0	18.3	17.8	17.5	17.2	17.0	16.7	16.4	16.2	16.0	21.8	17.6	19.7
M.	19.3	18.3	17.5	17.1	16.8	16.6	16.4	16.2	15.9	15.8	15.8	21.2	17.0	19.1
A.	19.0	18.3	17.8	17.4	17.2	16.8	16.6	16.4	16.2	16.1	16.0	21.2	17.2	19.1
M.	19.2	18.3	17.7	17.1	16.6	16.2	15.9	15.4	15.1	15.1	15.1	21.9	16.7	19.3
J.	19.5	18.4	17.4	16.8	16.2	15.6	15.2	14.6	14.3	14.2	14.0	21.9	16.2	19.1
J.	19.5	18.1	17.3	16.2	15.6	15.0	14.7	14.5	14.1	13.6	13.3	22.1	15.8	18.9
A.	21.2	19.7	18.6	17.7	17.1	16.5	16.0	15.6	14.8	14.4	14.2	23.5	17.1	20.3
S.	21.8	20.3	19.2	18.1	17.2	16.9	15.9	15.3	14.7	14.3	14.0	24.2	17.2	20.7
O.	19.7	18.8	17.8	17.2	16.5	16.1	15.5	15.2	15.0	14.8	14.9	22.2	16.6	19.4
N.	18.4	17.6	17.0	16.6	16.2	15.9	15.7	15.6	15.6	15.5	15.5	20.6	16.5	18.5
D.	19.3	18.0	17.1	16.5	16.0	15.7	15.3	14.6	114.55	14.6	14.5	21.5	16.2	18.8
A.	19.7	18.6	17.8	17.1	16.6	16.2	15.8	15.5	15.1	15.0	14.8	22.0	16.7	19.3

KARAMA - PLATEAU.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	15.6	16.2	17.8	19.7	21.6	23.2	24.5	25.1	25.2	24.7	23.9	22.9	21.7	
F.	16.4	17.0	18.1	19.8	21.6	22.1	24.0	24.3	24.4	24.3	23.4	22.6	21.1	
M.	16.0	16.5	17.8	19.3	20.8	22.0	22.9	21.2	24.0	23.7	23.5	21.9	20.2	
A.	16.2	16.9	18.3	19.9	21.5	22.7	23.7	23.7	23.6	22.5	21.8	20.8	19.8	
M.	15.6	16.7	18.8	20.6	22.1	23.2	23.7	23.7	24.4	24.2	23.6	22.4	20.6	
J.	15.0	16.0	18.2	20.2	21.8	23.0	23.8	24.5	24.9	25.1	24.5	23.4	21.4	
J.	13.7	14.9	17.4	20.2	22.4	23.6	24.4	25.1	25.5	25.7	25.3	24.3	22.3	
A.	15.7	16.5	19.0	21.8	23.6	24.8	25.6	26.6	27.2	27.2	26.6	25.4	23.6	
S.	15.5	16.7	19.9	22.9	24.9	26.2	26.9	27.3	27.4	23.9	27.0	25.6	23.6	
O.	16.0	17.2	19.4	21.5	23.6	24.8	24.4	24.9	24.5	24.0	23.4	22.4	21.1	
N.	16.1	17.1	18.4	20.0	21.4	22.5	22.9	22.5	21.9	21.5	21.6	23.7	19.1	
D.	15.4	16.4	18.5	20.0	22.1	23.5	23.9	24.1	24.2	24.1	23.6	21.8	20.7	
A.	15.6	16.5	18.5	20.5	22.3	23.5	24.2	24.5	24.8	24.2	24.0	23.1	21.3	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6 h	6-6 h.
J.	20.5	19.9	19.4	18.9	18.3	17.8	17.4	16.8	16.6	16.2	15.9	22.0	17.7	19.9
F.	19.9	19.3	18.8	18.4	18.1	17.8	17.4	17.2	16.9	16.7	16.5	21.7	16.9	19.3
M.	19.4	18.8	18.4	17.6	17.6	17.3	17.0	16.7	16.4	16.3	16.2	21.2	17.5	19.3
A.	18.9	18.4	18.2	17.8	17.6	17.3	17.3	16.7	16.6	16.4	16.3	21.1	17.4	19.3
M.	19.1	18.5	18.3	17.8	17.4	17.0	16.7	16.3	16.0	15.9	15.7	21.8	17.3	19.6
J.	19.8	19.1	18.6	17.9	17.5	16.9	16.5	15.9	15.5	15.3	15.1	21.8	17.2	19.5
J.	20.6	19.5	18.5	18.0	17.4	17.0	16.4	16.0	15.5	15.0	14.7	22.3	17.3	19.8
A.	22.1	21.2	20.5	19.5	17.2	18.8	18.4	17.8	17.1	16.3	16.3	23.7	19.0	21.3
S.	22.2	21.3	20.9	20.1	19.4	18.7	18.0	17.5	16.9	16.3	16.2	24.3	18.9	21.6
O.	20.3	19.5	19.1	18.6	18.2	17.7	17.2	16.9	16.4	16.2	16.0	22.4	17.9	20.1
N.	18.4	18.0	17.9	17.5	17.2	16.9	16.6	16.4	16.3	16.1	16.1	20.7	17.1	18.9
D.	19.7	19.0	18.6	18.1	17.4	17.2	16.8	16.4	16.0	15.6	15.3	21.7	17.4	18.5
A.	20.1	19.4	18.9	18.3	17.8	17.5	17.1	16.7	16.3	16.0	15.9	22.1	17.6	19.8

RUBONA.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	14.8	15.0	16.3	18.5	20.6	21.7	22.4	22.9	23.2	22.4	21.3	20.6	19.4	
F.	15.4	15.4	17.0	18.3	19.7	20.7	21.8	22.1	22.0	21.5	20.7	19.7	18.1	
M.	15.1	15.3	16.5	17.9	19.1	19.5	20.8	20.8	21.2	21.2	20.9	19.8	18.6	
A.	15.3	15.7	17.5	18.3	19.4	20.3	21.4	23.0	20.8	20.1	19.5	18.6	17.6	
M.	15.0	15.8	17.2	18.3	19.2	20.0	20.8	21.6	21.7	21.2	20.7	19.6	18.5	
J.	14.3	14.8	15.9	17.5	18.8	19.5	20.5	21.3	21.8	21.9	21.3	20.6	18.8	
J.	13.9	14.1	15.5	17.6	19.3	20.3	21.1	22.0	21.9	22.2	22.3	21.3	19.6	
A.	15.6	15.7	16.8	19.2	20.7	21.7	22.6	23.5	24.2	24.6	24.0	23.0	21.3	
S.	14.9	15.6	17.8	20.5	22.2	23.4	24.4	24.6	24.7	24.6	24.1	23.0	20.9	
O.	14.9	15.8	17.8	19.7	21.0	22.2	22.7	22.7	22.9	22.0	20.7	20.1	18.6	
N.	14.5	15.5	16.5	18.1	19.1	19.8	20.4	20.4	20.3	19.2	18.9	18.4	17.1	
D.	14.7	15.4	17.3	19.8	20.8	21.6	21.8	21.9	21.7	20.8	20.9	20.1	18.7	
A.	14.9	15.3	16.8	18.6	20.0	20.9	21.7	22.2	22.2	21.8	21.3	20.4	18.9	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6 h	6 - 6h
J.	18.7	18.3	18.2	17.8	17.2	16.9	16.4	15.8	15.6	15.3	14.9	20.0	16.8	18.4
F.	17.7	17.5	17.3	16.9	16.6	16.5	16.2	16.1	15.4	15.9	15.3	19.6	16.5	18.1
M.	17.4	16.9	16.7	16.7	16.4	16.1	15.9	15.6	15.4	15.3	15.1	19.2	16.3	17.8
A.	16.9	16.8	16.8	16.6	16.2	16.2	16.0	15.7	15.5	15.4	15.3	19.2	16.2	17.7
M.	17.8	17.6	17.4	17.1	16.7	16.3	16.1	15.8	15.5	15.5	15.3	19.1	16.5	17.8
J.	17.8	17.7	17.4	16.8	16.3	16.0	15.6	15.3	14.9	14.7	14.4	19.2	16.1	17.7
J.	18.9	18.6	18.3	17.9	17.0	16.4	16.0	15.6	15.1	14.7	14.2	19.2	16.6	17.9
A.	20.1	20.1	19.7	19.1	18.5	18.1	17.6	17.3	16.5	16.1	15.7	21.1	18.0	19.5
S.	20.1	19.6	19.1	18.6	18.3	17.6	17.1	16.4	15.8	15.5	15.2	21.9	17.5	19.7
O.	18.2	17.9	17.7	17.3	16.8	16.3	15.9	15.5	15.1	14.9	15.0	20.4	16.4	18.4
N.	16.7	16.6	16.4	16.2	15.8	15.6	15.3	15.1	14.8	14.8	14.8	18.5	15.6	17.1
D.	18.5	18.1	17.8	17.5	17.3	16.7	16.3	16.0	15.6	15.2	14.8	19.8	16.6	18.2
A.	18.2	18.0	17.7	17.4	16.9	16.5	16.2	15.8	15.4	15.3	15.0	19.8	16.6	18.2

RWERERE - COLLINE

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	13.1	13.5	14.8	16.0	17.2	18.1	18.3	18.6	18.7	18.6	18.0	17.1	15.7	
F.	12.9	13.1	14.1	15.3	16.1	16.7	17.2	17.1	17.2	16.9	16.3	15.4	14.6	
M.	12.6	12.9	13.8	14.7	16.5	16.7	17.4	17.6	17.4	17.2	16.5	15.8	14.7	
A.	12.2	12.6	13.7	14.9	15.1	15.5	16.3	15.8	15.2	15.2	14.4	13.6	13.5	
M.	12.1	12.6	13.4	14.4	15.3	15.8	16.7	17.0	16.8	16.4	15.6	15.1	14.0	
J.	11.8	12.0	12.9	13.9	14.5	15.0	15.9	16.3	16.6	16.8	16.3	15.5	14.2	
J.	11.2	11.4	12.4	13.8	15.0	15.3	16.5	16.6	17.0	16.9	16.5	15.6	14.3	
A.	12.5	12.7	13.7	15.0	16.1	16.7	17.4	17.6	18.2	18.5	18.1	17.0	15.7	
S.	13.2	14.1	15.5	17.1	18.1	18.3	18.8	19.0	18.9	19.0	18.1	17.0	15.9	
O.	13.6	14.2	15.2	16.5	17.2	18.0	17.6	17.5	17.5	17.3	16.5	15.5	14.2	
N.	12.4	12.9	13.8	15.4	15.8	16.4	16.6	16.5	16.4	16.1	15.7	14.7	13.4	
D.	13.0	13.9	15.1	17.0	17.5	17.3	17.4	17.3	17.5	17.5	17.0	16.1	14.6	
A.	12.5	13.0	14.0	15.3	16.2	16.6	17.2	17.2	17.3	17.2	16.6	15.7	14.6	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6 h	6 - 6h
J.	15.0	14.7	14.5	14.2	13.9	13.7	13.6	13.5	13.4	13.4	13.2	16.8	14.0	15.4
F.	14.1	13.9	13.7	13.5	13.3	13.2	13.2	13.0	13.0	13.0	13.0	15.7	13.3	14.5
M.	13.5	13.3	13.2	12.9	12.8	12.7	12.5	12.4	12.3	12.3	12.3	15.8	12.9	14.3
A.	12.4	12.7	12.7	12.5	12.3	12.2	12.1	11.9	11.8	12.0	11.8	14.3	12.5	13.4
M.	13.5	13.4	13.5	13.3	13.2	13.0	12.8	12.9	12.4	12.3	12.2	15.1	12.8	14.0
J.	13.7	13.3	13.3	13.1	12.8	12.6	12.3	12.1	11.9	11.8	11.8	14.9	12.6	13.8
J.	13.6	13.6	13.5	13.4	13.0	12.8	12.4	12.1	11.8	11.6	11.3	15.0	12.5	13.8
A.	14.7	14.4	14.5	14.1	14.0	13.3	13.6	13.3	12.9	12.7	12.8	16.2	13.7	15.0
S.	14.8	14.3	14.1	14.0	13.8	13.8	13.6	13.4	13.3	13.3	13.2	17.4	13.8	15.6
O.	13.9	13.6	13.8	13.6	13.5	13.5	13.4	13.4	13.4	13.3	13.3	16.3	13.5	14.9
N.	13.1	13.0	13.1	12.9	12.8	12.8	12.8	12.8	12.8	12.9	12.8	15.3	12.9	14.1
D.	14.0	13.6	13.6	13.4	13.2	13.0	13.0	12.9	12.8	12.9	12.9	16.2	13.2	14.7
A.	13.9	13.6	13.6	13.4	13.2	13.1	12.9	12.8	12.6	12.6	12.5	15.7	13.1	14.4

C. TEMPERATURE MINIMA AU-DESSUS DU GAZON.

MOIS	BULENGE		BYIMANA		KARAMA-KILIMBI		KARAMA-PLATEAU		KIGALI	
	\bar{T}_{mg}	Tag	\bar{T}_{mg}	Tag	\bar{T}_{mg}	Tag	\bar{T}_{mg}	Tag	\bar{T}_{mg}	Tag
J.	11.3	8.9	8.8	5.8	12.1	9.2	11.4	8.8	12.1	9.3
F.	13.4	10.8	10.6	7.8	13.5	10.6	13.2	10.4	13.4	10.4
M.	12.8	10.0	9.8	6.8	13.4	10.9	13.0	10.6	13.3	11.4
A.	12.7	9.7	10.3	6.5	13.6	11.1	13.1	10.4	13.9	12.0
M.	10.5	7.2	8.7	5.6	11.9	8.7	11.5	8.8	12.7	10.6
J.	9.6	5.6	7.9	3.3	10.4	5.6	10.3	6.4	11.6	7.2
J.	6.9	3.6	6.1	1.7	8.6	5.2	8.6	5.8	10.5	6.6
A.	7.8	3.5	6.1	2.0	9.5	4.9	9.6	5.8	11.5	7.2
S.	9.2	6.2	6.4	3.1	9.7	7.0	9.9	7.4	10.5	8.0
O.	10.6	7.7	7.4	3.9	11.2	8.1	10.6	8.2	11.4	9.8
N.	10.1	9.5	8.9	6.9	11.8	9.5	12.3	9.6	12.4	10.7
D.	10.5	7.9	7.7	4.8	10.1	7.5	10.3	7.6	11.3	9.0
A.	10.4	3.5	8.2	1.7	11.3	4.9	11.1	5.8	12.0	6.6
	NYAMATA		RUBONA		RWERERE-COLLINE		RWERERE-RUGEZI			
J.	11.1	8.7	12.6	10.6	7.8	4.1	3.6	1.1		
F.	13.2	10.4	13.3	11.1	8.9	5.5	6.7	3.5		
M.	12.2	8.8	13.4	11.5	8.7	6.3	6.8	2.1		
A.	13.3	10.7	13.6	12.2	12.1	6.5	7.5	4.3		
M.	11.7	9.2	13.1	11.2	10.7	5.4	5.8	2.1		
J.	10.5	5.7	12.1	8.4	6.8	2.4	4.0	1.8		
J.	9.0	5.2	11.4	7.8	5.9	3.1	1.7	-1.3		
A.	11.1	4.2	12.0	9.0	6.2	2.5	3.0	0.3		
S.	11.4	9.0	12.2	9.7	5.9	4.2	2.3	-0.7		
O.	12.2	9.6	12.3	9.8	6.7	5.3	3.0	0.1		
N.	13.5	10.8	12.7	10.8	7.0	5.6	4.8	2.1		
D.	11.8	8.8	12.3	10.0	6.4	4.8	3.9	0.5		
A.	11.7	4.2	12.6	7.8	7.8	2.4	4.4	-1.3		

IV. LA TEMPERATURE DU SOL NU.

(EN DEGRES CENTIGRADES)

A. TEMPERATURES MOYENNES A 10, 20 ET 50 cm DE PROFONDEUR A 06.00, 09.00, 12.00; 15.00 ET 18.00 h. TEMPS LOCAL MOYEN.

Lettres et signes convetionnels.

\bar{T} 10 = moyenne mensuelle ou annuelle de la température du sol nu à 10 cm de profondeur

\bar{T} 20 = moyenne mensuelle ou annuelle de la température du sol nu à 20 cm de profondeur

\bar{T} 50 = moyenne mensuelle ou annuelle de la température du sol nu à 50 cm de profondeur

B. EXTREMES DE LA TEMPERATURE A 10 ET A 20 cm DE PROFONDEUR.

Lettres conventionnelles;

\bar{T} A 10 = moyenne mensuelle ou annuelle de la température maximum journalière à 10 cm de profondeur

\bar{T} A 20 = moyenne mensuelle ou annuelle de la température maximum journalière à 20 cm de profondeur

\bar{T} a 10 = moyenne mensuelle ou annuelle de la température minimum journalière à 10 cm de profondeur

\bar{T} a 20 = moyenne mensuelle ou annuelle de la température minimum journalière à 20 cm de profondeur

T A 10 = température maximum absolue mensuelle ou annuelle à 10 cm de profondeur

T A 20 = température maximum absolue mensuelle ou annuelle à 20 cm de profondeur

T a 10 = température minimum absolue mensuelle ou annuelle à 10 cm de profondeur

T a 20 = température minimum absolue mensuelle ou annuelle à 20 cm de profondeur

A. TEMPERATURES MOYENNES A 10, 20 ET 50 cm DE PROFONDEUR A 06.00, 09.00, 12.00, 15.00 ET 18.00 h. TEMPS LOCAL MOYEN.

MOIS	\bar{T} 10	\bar{T} 20	\bar{T} 50	\bar{T} 10	\bar{T} 20	\bar{T} 50	\bar{T} 10	\bar{T} 20	\bar{T} 50	\bar{T} 10	\bar{T} 20	\bar{T} 50	\bar{T} 10	\bar{T} 20	\bar{T} 50.
KARAMA - PLATEAU.															
	06.00			09.00			12.00			15.00			18.00		
F.	20.4	23.0	24.9	21.5	22.7	25.0	27.0	23.7	25.1	30.8	25.9	25.0	28.4	26.8	24.8
F.	21.4	23.3	25.6	21.9	22.9	24.9	26.0	23.8	25.1	27.2	25.6	25.0	27.7	27.0	25.4
M.	19.8	21.9	23.6	20.9	21.9	23.7	25.5	22.6	23.7	29.0	24.6	23.6	26.8	25.4	23.5
A.	19.8	21.5	23.7	21.0	21.6	23.8	25.9	22.6	23.8	28.4	24.6	23.6	25.9	25.2	23.6
M.	20.1	23.5	24.9	22.5	23.1	24.9	28.0	24.2	25.0	31.2	26.8	24.9	28.8	26.8	24.8
J.	20.6	23.2	24.9	21.8	22.8	25.0	27.0	23.8	25.0	30.7	25.9	25.0	28.5	27.0	24.7
J.	20.8	23.5	24.8	21.6	22.9	24.9	27.3	23.8	25.0	30.2	26.0	24.9	29.2	26.9	24.7
A.	22.2	24.9	25.9	23.0	24.4	26.0	28.6	25.1	26.1	32.7	27.6	26.1	30.8	28.3	25.7
S.	22.6	25.7	27.0	24.0	25.2	27.1	30.9	26.3	27.2	34.6	28.9	27.1	32.3	29.5	26.9
O.	20.5	23.1	25.2	21.6	22.8	25.3	28.0	24.1	25.3	29.6	25.9	25.3	27.2	26.4	25.1
N.	18.6	20.6	22.6	20.2	20.5	22.7	23.9	21.7	22.6	26.5	23.3	22.5	24.3	23.6	22.5
D.	20.1	22.4	23.8	21.6	22.1	23.9	26.9	23.6	23.9	29.7	25.5	23.9	28.0	26.4	23.7
A.	20.6	23.1	24.7	21.8	22.7	24.8	27.1	23.8	24.8	30.8	25.9	24.7	28.2	26.6	24.6
RUBONA.															
J.	18.9	20.7	22.7	19.8	20.6	22.6	25.6	22.6	22.4	28.4	25.5	22.7	25.7	25.3	22.6
F.	18.6	20.2	22.3	19.7	20.2	22.2	24.3	22.1	22.1	27.0	24.6	22.0	24.5	24.3	22.2
M.	18.1	19.6	21.5	19.2	19.6	21.4	23.5	21.4	21.3	26.2	23.4	21.3	24.3	23.8	21.4
A.	18.4	19.8	21.9	20.0	19.9	21.7	24.3	22.1	24.6	26.2	24.2	21.7	23.7	23.8	21.8
M.	18.9	20.5	22.4	20.2	20.6	22.0	24.3	22.5	22.2	27.1	24.7	22.2	24.9	24.6	22.3
J.	18.1	19.7	21.7	19.0	19.6	21.6	23.3	21.5	21.5	27.0	24.0	21.5	24.6	24.4	21.7
J.	19.0	20.8	22.5	19.8	20.6	22.4	24.7	22.4	22.2	27.7	24.7	22.3	26.0	25.1	22.4
A.	20.6	22.5	24.0	21.3	22.3	23.9	23.0	23.8	23.8	30.0	26.2	23.7	28.0	26.7	23.7
S.	19.8	22.1	24.2	21.4	22.0	24.1	27.6	24.5	23.9	30.3	27.1	23.9	27.9	27.1	24.1
O.	18.1	20.1	22.4	20.0	20.1	22.2	25.3	22.4	22.1	26.8	24.8	22.1	24.0	24.2	22.2
N.	17.3	18.8	21.2	19.1	19.0	20.7	23.1	21.1	20.6	24.6	26.3	21.0	22.4	22.6	20.8
D.	18.8	20.6	22.3	20.4	20.7	22.2	25.6	23.2	22.1	28.1	25.4	22.1	25.6	25.2	22.3
A.	18.7	20.4	22.4	20.0	20.4	22.2	24.5	22.5	22.4	27.4	25.1	22.2	25.1	24.8	22.3

B. EXTREMES DE LA TEMPERATURE A 10 ET 20 cm DE PROFONDEUR.

MOIS	$\bar{T} A 10$	$\bar{T} A 20$	$\bar{T} a 10$	$\bar{T} a 20$	$T A 10$	$T A 20$	$T a 10$	$T a 20$
R U B O N A.								
J.	28.5	24.9	18.9	20.5	32.4	28.4	16.8	18.4
F.	27.2	24.7	18.7	20.1	33.6	29.0	17.3	18.5
M.	26.4	24.1	18.1	19.5	30.8	26.7	16.4	18.0
A.	26.5	24.4	18.4	19.8	31.4	27.6	17.1	18.7
M.	27.1	24.9	18.9	20.5	30.8	27.3	17.1	18.7
J.	27.0	24.4	18.1	19.7	30.0	26.5	16.4	17.7
J.	27.7	25.1	19.0	20.6	31.6	27.6	16.7	18.7
A.	29.8	26.7	20.7	22.3	32.2	28.5	19.0	20.7
S.	30.3	27.3	19.9	22.0	33.8	29.3	17.5	20.1
O.	27.2	24.8	18.1	20.0	32.3	28.4	15.5	17.0
N.	24.8	23.1	17.2	18.8	28.0	25.3	15.4	17.2
D.	28.2	25.5	18.8	20.6	32.7	28.6	16.1	18.0
A.	27.5	25.0	18.7	20.4	33.8	29.3	15.4	17.0

V. - L'HUMIDITE DE L'AIR.

A. HUMIDITES MOYENNES A 06.00, 09.00, 12.00, 15.00 ET 18.00 h. TEMPS LOCAL MOYEN ET HUMIDITES MOYENNES JOURNALIERES.

Lettres et signes conventionnels.

- \bar{T} = moyenne mensuelle ou annuelle de la température du thermomètre sec à l'heure h.
 \bar{e} = moyenne mensuelle ou annuelle de la tension de vapeur en millibars à l'heure h. ou journalières J.
 Δe = moyenne mensuelle ou annuelle de déficit de saturation en millibars à l'heure h. ou journalières J.
 \bar{U} = moyenne mensuelle ou annuelle de l'humidité relative en pour cent à l'heure h. ou journalières J.
J = moyenne journalière calculée sur les heures d'éclairement : $J = I/2 \frac{(06.00 + 18.00 + 12.00)}{2}$

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B. VARIATIONS MOYENNES HORAIRES DES CARACTERISTIQUES DE L'HUMIDITE DE L'AIR.

- a. - Tension de vapeur d'eau en millibars.
b. - Humidité relative en pour cent.
c. - Déficit de saturation en millibars.
-

A. HUMIDITES MOYENNES A 06.00, 09.00, 12.00, 15.00 ET 18.00 h. TEMPS LOCAL MOYEN ET HUMIDITES MOYENNES JOURNALIERES.

MOIS	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}	$r \bar{T}$	\bar{e}	$\Delta \bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}
	B U L E N G E															
	06.00				09.00				12.00				15.00			
J.	15.5	16.9	0.77	96	20.6	18.6	5.6	77	25.1	19.1	12.7	60	25.2	18.3	13.8	57
F.	16.5	18.2	0.6	97	20.2	19.7	4.0	83	23.7	20.3	9.0	69	24.6	19.9	11.0	64
M.	16.2	17.7	0.7	96	20.6	19.1	5.2	79	22.9	20.3	7.6	73	24.6	19.7	11.2	64
A.	16.5	18.2	0.6	97	20.0	19.9	3.5	85	23.3	20.7	6.9	72	23.6	20.3	8.9	69
M.	15.8	16.9	1.0	94	20.8	18.6	6.0	76	23.4	18.5	10.3	64	23.7	18.3	11.1	62
J.	15.1	16.8	0.4	98	20.1	17.6	5.9	75	23.3	17.6	11.0	62	24.7	17.4	13.8	56
J.	14.3	15.0	1.4	92	20.3	15.2	8.7	64	23.6	15.6	13.6	53	24.7	15.1	16.1	49
A.	15.9	16.3	1.8	91	21.9	16.2	10.1	61	26.0	15.7	18.0	47	27.4	15.3	21.3	42
S.	15.9	15.5	2.6	86	22.8	17.0	10.8	61	26.7	17.0	18.1	49	27.6	17.5	19.4	47
O.	16.1	17.4	0.9	95	21.0	18.2	6.7	73	24.9	18.3	13.2	58	26.3	17.5	16.8	51
N.	16.7	18.3	0.8	96	19.8	16.9	6.2	73	22.0	18.9	7.6	71	22.9	18.9	9.3	67
D.	16.1	17.6	0.8	96	20.7	18.9	5.5	78	23.7	19.5	10.8	63	24.5	19.9	10.9	65
A.	15.9	17.1	1.0	94	20.7	18.0	6.5	74	24.0	18.5	11.6	62	25.0	18.2	13.6	58
	18.00				J.											
J.	21.1	17.9	7.2	71	18.3	8.3	7.1	71								
F.	20.3	18.9	4.9	80	19.5	5.9	7.9	79								
M.	20.2	17.9	5.8	75	19.1	5.5	8.0	80								
A.	19.5	19.3	3.4	85	19.8	4.5	8.1	81								
M.	20.5	18.4	5.8	76	18.1	6.9	7.5	75								
J.	20.9	16.8	6.4	72	17.2	7.2	7.3	73								
J.	21.6	15.0	10.8	58	15.3	9.9	6.4	64								
A.	23.1	15.9	12.4	56	15.9	12.6	6.0	60								
S.	24.3	16.5	13.9	54	16.5	13.2	6.0	60								
O.	21.6	17.3	8.5	67	17.8	9.0	7.0	70								
N.	19.2	17.7	4.6	79	18.5	5.1	8.0	80								
D.	20.7	18.9	5.6	77	18.9	7.0	7.5	75								
A.	21.1	17.5	7.4	71	17.9	9.9	7.3	73								

MOIS \bar{T} \bar{e} $\Delta \bar{e}$ \bar{U} \bar{T} \bar{e} $\Delta \bar{e}$ \bar{U} \bar{T} \bar{e} $\Delta \bar{e}$ \bar{U} \bar{T} \bar{e} $\Delta \bar{e}$ \bar{U}

KARAMA - KILIMBI.

	06.00				09.00				12.00				15.00			
J.	14.7	16.2	0.6	96	19.0	19.0	3.1	86	24.1	18.7	11.5	63	25.0	16.8	15.4	55
FF	16.3	17.9	0.6	97	19.8	19.4	3.9	84	23.5	18.9	10.3	66	24.1	18.0	12.6	61
M.	16.0	17.7	0.6	97	19.1	18.7	3.4	85	22.8	21.8	9.2	68	24.1	17.9	12.4	60
A.	16.3	18.0	0.6	97	19.7	19.2	3.9	84	23.3	19.2	9.7	68	22.7	18.7	9.3	69
M.	15.4	16.9	0.6	96	20.4	18.1	5.9	76	23.9	17.3	12.4	59	24.5	17.8	13.8	57
J.	14.4	15.9	0.7	96	19.6	17.2	5.8	75	23.7	16.1	13.4	55	25.5	15.4	17.4	47
J.	13.2	14.0	1.4	91	19.6	15.4	7.5	68	24.5	13.2	17.5	44	26.3	13.1	21.2	39
A.	14.1	14.0	2.3	86	21.2	13.9	11.3	56	25.8	13.1	20.2	39	27.7	11.5	25.7	31
S.	14.1	12.1	1.4	91	22.2	15.3	11.5	57	26.9	14.3	21.5	41	27.8	12.9	25.0	37
O.	15.5	16.8	0.9	95	20.9	18.1	6.8	74	24.4	16.8	14.3	57	24.2	16.7	14.2	58
N.	16.1	17.7	0.6	97	19.6	18.7	4.1	82	22.9	18.1	10.0	65	22.1	18.6	8.5	71
D.	14.7	16.3	0.5	97	19.5	18.9	3.8	84	23.7	18.0	11.7	62	24.3	17.2	13.6	58
A.	15.1	16.1	0.9	95	20.0	17.7	5.9	76	24.1	17.1	13.5	57	24.9	16.2	15.8	54
	18.00				J.											
J.	22.0	18.6	8.2	71	18.1	8.0	73									
F.	21.7	18.8	7.5	73	18.6	7.2	76									
M.	21.2	18.5	6.8	74	20.0	8.5	77									
A.	20.4	19.1	5.0	80	18.9	6.3	79									
M.	21.2	18.3	6.9	73	17.5	8.1	72									
J.	22.0	17.1	9.4	65	16.3	9.3	68									
J.	22.6	15.0	12.5	55	13.9	12.3	59									
A.	24.4	14.5	16.2	48	13.7	14.8	53									
S.	24.3	15.4	15.2	51	14.1	14.9	56									
O.	21.3	17.4	8.2	70	17.0	9.5	70									
N.	19.6	18.3	4.7	81	18.1	6.3	77									
D.	21.3	18.0	7.6	72	17.6	7.9	73									
A.	24.3	17.4	9.0	68	17.0	9.3	69									

MOIS	\bar{T}	\bar{e}	$\Delta\bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta\bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta\bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta\bar{e}$	\bar{T}
KARAMA - PLATEAU																
	06.00				09.00				12.00				15.00			
J.	15.6	16.7	1.2	93	19.7	18.7	4.5	81	24.5	18.0	13.1	59	24.7	16.9	14.9	56
F.	16.4	17.9	0.9	95	19.8	19.2	4.4	82	24.0	18.3	11.5	62	24.3	17.7	12.0	62
M.	16.0	17.4	1.0	95	19.3	18.2	4.1	83	22.9	18.3	10.3	66.	23.7	17.7	12.0	65
A.	16.2	18.0	0.9	95	19.9	18.8	4.3	83	23.7	18.6	11.2	64	22.5	18.7	9.3	70
M.	15.6	16.9	0.8	95	20.6	18.0	6.4	75	23.7	17.4	12.0	60	24.2	17.2	13.1	58
J.	15.0	15.7	1.2	93	26.2	17.1	6.7	73	23.8	16.0	13.1	54	25.1	15.5	16.5	49
J.	13.7	14.2	2.3	87	20.2	15.0	8.8	63	24.4	13.5	17.6	44	25.7	12.9	20.4	39
A.	15.7	13.7	4.2	77	21.8	12.9	13.3	49	25.6	11.9	21.9	36	27.2	10.4	24.5	33
S.	15.5	15.0	2.8	84	22.9	14.7	13.4	53	26.9	13.3	22.3	39	23.9	13.1	23.7	38
O.	16.0	16.5	1.8	90	21.5	17.7	8.2	70	24.4	16.4	14.8	56	24.0	16.4	14.1	58
N.	16.1	17.5	0.9	95	20.0	19.0	4.5	81	22.9	18.1	10.0	65	21.5	18.2	7.8	73
D.	15.2	16.5	0.9	95	20.1	15.8	4.6	81	23.9	17.8	12.3	61	24.1	17.3	13.4	59
A.	15.6	16.3	1.6	91	21.0	17.1	6.9	73	24.2	16.5	14.2	55	24.2	16.0	15.1	55
	18.00				J.											
J.	21.7	18.0	8.2	71		17.7	8.9	71								
F.	21.1	18.4	7.1	74		18.2	7.6	73								
M.	20.2	18.3	6.0	76		18.1	6.9	76								
A.	19.8	18.1	4.5	82		18.3	7.0	77								
M.	20.6	17.8	6.9	74		17.3	8.0	73								
J.	21.4	16.3	9.3	64		16.0	9.2	67								
J.	22.3	14.0	12.0	54		13.8	12.3	58								
A.	23.6	12.6	17.0	44		12.5	16.3	49								
S.	23.6	14.3	15.0	50		14.0	15.6	53								
O.	21.1	17.0	8.2	70		16.6	9.9	68								
N.	19.1	18.5	3.3	85		18.1	6.1	78								
D.	20.7	17.9	6.8	74		17.5	8.1	73								
A.	21.3	16.8	8.7	68		16.6	9.7	68								

RUBONA.

MOES	06.00				09.00				12.00				15.00			
	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}
J.	14.7	15.1	1.9	88	18.5	16.8	4.7	77	22.4	17.3	9.9	64	22.4	16.0	11.4	59
F.	15.4	15.9	1.7	89	18.3	17.6	4.1	81	21.8	17.8	8.5	68	21.5	17.3	8.7	68
M.	15.1	16.0	1.3	91	17.9	17.9	3.5	83	20.8	17.4	6.8	70	21.2	16.7	8.8	66
A.	15.3	16.1	1.3	91	18.5	17.8	3.8	82	21.3	18.3	7.3	71	20.1	17.4	6.4	75
M.	15.0	15.5	1.7	90	18.3	16.6	4.6	78	21.2	17.3	7.4	70	21.2	16.7	8.7	66
J.	14.3	14.6	1.9	87	17.5	15.8	4.4	78	20.5	16.3	7.9	67	21.9	15.9	10.4	60
J.	13.9	13.1	2.8	83	17.6	14.0	6.3	68	21.1	14.2	10.9	56	22.2	14.3	13.7	53
A.	15.6	12.5	5.4	69	19.2	12.6	9.7	56	22.6	12.9	14.6	47	24.3	13.0	17.4	43
S.	14.9	13.6	3.8	77	20.5	14.0	10.2	58	25.0	13.9	16.6	46	24.6	13.6	17.5	45
O.	15.0	14.3	2.5	84	19.7	16.1	7.1	70	23.1	15.7	11.9	59	22.3	15.6	11.4	61
N.	14.5	15.6	1.4	91	18.1	17.0	4.1	81	20.4	17.2	6.9	72	19.2	16.6	6.1	75
D.	14.7	15.2	1.7	89	19.3	17.9	5.2	77	21.8	16.6	9.8	64	20.9	16.2	9.3	66
A.	14.9	14.8	2.3	86	18.6	16.2	5.6	74	21.8	16.2	9.9	63	21.8	15.8	10.7	61
	18.00				J.											
J.	19.4	15.9	8.7	70		16.4	7.6	71								
F.	18.1	16.6	4.5	79		17.0	5.8	76								
M.	18.6	16.8	4.8	77		16.9	4.9	77								
A.	17.6	17.3	3.4	83		17.5	4.8	79								
M.	18.5	16.7	4.8	78		16.7	5.3	77								
J.	18.8	16.0	6.1	75		15.8	6.0	74								
J.	19.6	13.7	9.2	60		13.8	8.5	63								
A.	21.3	12.7	12.7	50		12.7	11.8	58								
S.	20.9	13.5	11.5	55		13.7	12.1	56								
O.	18.6	15.4	6.1	73		15.3	8.1	68								
N.	17.1	16.4	3.3	83		16.6	4.6	79								
D.	18.7	15.9	5.7	75		16.0	6.8	73								
A.	18.9	15.6	6.7	71		15.7	7.2	71								

RWERERE - COLLINE

MOIS	06.00				09.00				12.00				15.00				
	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}	\bar{T}	\bar{e}	$\Delta \bar{e}$	\bar{U}	
J.	13.1	12.4	2.7	82	16.0	13.7	4.6	75	18.3	13.1	7.7	63	18.6	12.8	8.7	60	
F.	12.9	12.8	2.0	86	15.3	14.3	2.5	72	17.2	14.6	5.2	74	16.9	14.4	5.0	75	
M.	12.6	12.6	2.1	86	14.7	13.9	2.9	82	17.4	14.0	6.0	70	17.2	13.8	6.0	71	
A.	12.7	13.5	1.9	86	15.2	15.0	2.8	83	16.9	15.0	3.8	80	15.7	14.6	3.3	81	
M.	12.1	13.5	2.5	83	14.4	14.5	2.8	82	16.7	15.0	3.7	79	16.4	14.7	3.8	79	
J.	11.8	13.2	2.6	81	13.9	13.8	2.9	81	15.9	14.4	3.3	80	16.8	14.6	3.9	78	
J.	11.2	11.5	3.0	78	13.8	12.5	3.4	78	16.5	12.8	4.3	76	16.9	13.0	4.6	74	
A.	12.5	10.8	3.5	75	15.1	11.8	4.1	75	17.4	12.1	4.7	77	18.5	12.2	5.3	73	
S.	13.1	11.1	3.8	74	17.1	12.8	4.5	76	18.8	12.6	5.0	75	19.0	12.7	5.2	76	
O.	13.6	11.7	3.3	77	16.5	13.0	4.3	76	17.7	13.3	4.4	77	17.3	13.2	4.5	76	
N.	12.8	12.3	3.0	79	15.4	13.9	3.2	81	16.6	14.2	3.6	80	16.1	14.1	3.6	79	
D.	13.0	12.3	3.1	82	16.4	13.5	2.1	83	17.4	13.8	2.7	84	17.5	14.4	2.7	84	
A.	12.6	12.3	2.8	81	15.3	13.5	3.3	79	17.2	13.7	4.5	76	17.2	13.7	4.7	75	
		18.00					J.										
J.	15.7	12.8	5.1	71	12.9	5.8	7.9	79									
F.	14.6	14.0	2.7	84	14.0	3.8	8.4	84									
M.	14.7	13.6	3.2	81	13.5	4.3	7.6	76									
A.	13.9	13.9	2.8	82	14.3	3.0	8.2	82									
M.	14.0	14.2	3.0	82	14.5	3.3	8.0	80									
J.	14.2	13.7	2.6	83	14.0	3.0	8.1	81									
J.	14.3	12.5	3.5	77	12.4	3.8	7.6	76									
A.	15.5	11.7	4.4	73	11.7	4.3	7.5	75									
S.	15.9	12.1	4.4	75	12.1	4.5	7.4	74									
O.	14.2	12.6	3.5	78	12.7	3.9	7.7	77									
N.	13.4	13.5	3.0	82	13.5	3.3	8.0	80									
D.	14.6	13.3	2.7	82	13.3	2.8	8.3	83									
A.	14.6	13.1	3.4	79	13.2	3.8	7.8	78									

B. - VARIATIONS MOYENNES HORAIRES DES CARACTERISTIQUES DE L'HUMIDITE DE L'AIR.

KARAMA - KILIMBI

a. TENSION DE VAPEUR D'EAU (e) EN MB.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	16.2	16.6	18.2	19.0	19.3	19.2	18.7	18.2	17.8	16.8	17.3	17.8	18.6	
F.	17.9	17.9	18.7	19.4	19.5	19.3	18.9	18.2	18.2	18.0	17.9	18.1	18.8	
M.	17.7	17.5	18.4	18.7	18.8	18.9	18.7	18.3	18.0	17.9	18.0	18.2	18.5	
A.	18.0	18.0	18.8	19.2	19.3	19.4	19.2	19.0	18.9	18.7	18.8	18.9	19.1	
M.	16.9	17.5	18.6	18.1	17.7	17.8	17.3	17.5	17.3	17.1	17.3	17.8	18.3	
J.	15.9	16.4	17.3	17.2	16.6	16.2	16.1	15.9	15.9	15.4	15.8	16.4	17.1	
J.	14.0	14.6	15.6	15.4	13.9	13.5	13.2	13.0	13.1	13.1	13.5	14.3	15.0	
A.	14.0	14.2	15.0	13.9	12.9	13.0	13.1	13.0	13.0	11.5	13.1	13.8	14.5	
S.	14.8	15.7	16.3	15.3	15.3	14.6	14.3	14.2	13.9	12.9	13.9	14.2	15.4	
O.	16.8	17.3	18.0	18.1	17.5	16.9	16.8	16.4	16.8	16.7	16.9	17.1	17.4	
N.	17.7	17.7	18.3	18.7	18.6	18.4	18.1	18.0	18.2	18.6	18.4	18.5	18.3	
D.	16.3	17.0	18.0	18.9	19.2	19.4	18.0	17.5	17.6	17.2	17.6	17.6	18.0	
A.	16.3	16.7	17.6	17.7	17.4	17.2	16.9	16.6	16.6	16.8	16.5	16.9	17.4	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6 h	6-6 h.
J.	18.8	18.2	18.0	17.7	17.3	17.0	16.7	16.5	16.2	16.0	15.8	18.0	17.1	17.6
F.	18.7	18.7	18.5	18.4	18.2	18.1	17.9	17.7	17.6	17.3	17.2	18.5	18.1	18.3
M.	18.4	18.1	17.8	17.7	17.6	17.5	17.3	17.1	16.9	16.9	16.9	18.3	17.5	17.9
A.	18.6	18.4	18.3	18.2	18.0	17.8	17.5	17.4	17.3	17.2	17.4	18.7	17.8	18.2
M.	18.1	17.9	17.6	17.4	17.1	16.8	16.5	16.2	16.0	16.1	16.1	17.6	17.0	17.3
J.	16.9	16.9	16.8	16.4	16.1	15.7	15.6	15.2	15.2	15.2	15.2	16.3	15.8	16.1
J.	15.2	14.9	14.8	14.5	14.3	14.1	13.9	14.1	13.8	13.6	13.6	13.9	14.3	14.1
A.	14.6	14.7	14.4	14.3	14.3	14.3	13.9	13.7	13.5	13.5	13.5	13.4	14.1	13.7
S.	15.7	15.6	15.6	15.3	15.1	15.0	14.6	14.4	14.2	14.1	14.1	14.6	14.9	14.8
O.	17.5	17.2	16.9	16.7	16.3	15.9	15.6	15.5	15.5	15.6	15.6	17.1	16.3	16.7
N.	18.0	17.7	17.5	17.2	16.8	16.7	16.7	16.6	16.6	16.5	16.7	18.3	17.1	17.7
D.	17.7	17.4	17.1	16.7	16.4	16.3	16.0	15.8	15.6	15.6	15.5	17.9	16.4	17.1
A.	17.3	17.1	16.9	16.7	16.5	16.3	16.0	15.8	15.7	15.6	15.6	16.9	16.4	16.7

b. HUMIDITE RELATIVE (U) EN %.

MOIS	6	7	8	9	10	11	12	13	14	15	16	17	18	
J.	96	96	93	86	78	71	63	58	56	55	60	64	71	
F.	97	95	90	84	77	72	66	61	60	61	6 I	65	73	
M.	97	95	91	85	78	73	68	64	61	60	62	67	74	
A.	97	95	90	84	77	72	68	66	65	69	71	75	80	
M.	97	95	87	76	68	63	59	58	57	56	59	64	74	
J.	96	94	85	75	67	60	55	52	50	47	51	55	65	
J.	91	92	80	68	54	47	44	40	40	39	41	46	55	
A.	86	84	72	56	45	42	39	37	35	31	36	41	48	
S.	91	89	74	57	50	44	41	39	39	37	39	42	51	
O.	95	92	83	74	64	57	57	54	57	58	58	64	70	
N.	97	94	88	82	75	69	65	66	70	71	75	75	81	
D.	97	91	88	84	76	68	62	60	61	58	61	63	72	
A.	95	93	85	76	67	61	57	55	54	53	56	60	68	
	19	20	21	22	23	24	1	2	3	4	5	6-18h	18-6h	6-6h.
J.	80	83	87	89	90	91	92	93	94	94	95	72	89	81
F.	81	85	88	90	91	92	92	93	94	94	94	73	90	81
M.	82	86	89	91	92	92	93	93	93	94	94	74	90	82
A.	85	88	90	91	92	92	93	93	93	94	94	76	91	84
M.	81	85	87	89	90	91	92	93	93	94	94	69	89	79
J.	74	79	84	85	87	88	90	91	92	93	93	64	87	75
J.	67	72	75	79	81	83	83	86	86	86	66	55	80	68
A.	58	64	68	70	73	76	76	77	80	82	83	49	73	61
S.	60	66	70	73	77	78	80	83	85	87	88	52	77	64
O.	77	81	83	85	87	87	89	90	91	92	92	67	66	67
N.	85	88	90	91	91	92	93	93	93	93	94	76	91	84
D.	79	85	85	89	90	91	92	92	93	93	93	71	89	80
A.	76	80	82	85	87	88	89	90	91	91	92	66	84	75

C. - DEFICIT DE SATURATION (Δe) EN MB.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	0.6	0.7	1.4	3.1	5.5	8.3	11.5	13.5	14.8	15.4	13.3	11.4	8.2	
F.	0.6	0.9	2.1	3.9	5.9	8.1	10.3	12.8	13.5	12.6	12.4	10.6	7.5	
M.	0.6	0.9	1.7	3.4	5.6	7.4	9.2	11.0	12.2	12.4	11.6	9.4	6.8	
A.	0.6	1.0	2.0	3.9	5.9	7.7	9.7	10.5	11.0	9.3	8.6	7.0	5.0	
M.	0.6	0.9	2.8	5.9	8.6	10.6	12.4	13.2	13.6	13.8	12.8	10.8	6.9	
J.	0.7	1.1	3.2	5.8	8.7	11.3	13.4	15.1	16.0	17.4	15.8	13.9	9.4	
J.	1.4	1.4	3.9	7.5	12.2	15.3	17.5	19.5	20.3	21.2	19.6	17.5	12.5	
A.	2.3	2.7	6.0	11.3	15.5	18.1	20.2	22.4	24.0	25.7	23.6	20.8	16.2	
S.	1.4	1.9	6.0	11.5	15.0	18.9	21.5	22.9	23.8	25.0	23.6	21.2	15.2	
O.	0.9	1.6	3.9	6.8	10.7	13.6	14.3	15.6	14.6	14.2	12.9	11.2	8.2	
N.	0.6	1.2	2.5	4.1	6.3	8.5	10.0	10.0	8.8	8.5	8.2	6.7	4.7	
D.	0.5	1.0	2.5	3.8	6.3	9.3	11.7	12.9	12.5	13.6	12.5	11.0	7.6	
A.	0.9	1.3	3.2	5.9	8.8	11.4	13.5	14.9	15.4	15.8	14.6	12.6	9.0	
	19.	20.	21.	22.	23.	24.	1.	2.	3.3.	4.	5.	6-18 h	18-6 h	6-6 h.
J.	4.9	3.7	2.8	2.2	1.9	1.6	1.4	1.3	1.1	1.0	0.9	8.6	2.3	5.4
F.	4.8	3.3	2.5	2.1	1.8	1.6	1.5	1.3	1.2	1.2	1.0	8.1	2.2	5.2
M.	4.1	3.1	2.3	1.8	1.6	1.5	1.4	1.3	1.2	1.1	1.0	7.4	2.0	4.7
A.	3.4	2.7	2.1	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.0	6.6	1.8	4.2
M.	4.3	3.2	2.7	2.2	1.8	1.6	1.6	1.3	1.2	1.1	1.0	9.1	2.1	5.6
J.	5.8	4.4	3.2	2.8	2.4	2.1	1.8	1.5	1.3	1.2	1.1	10.5	2.7	6.6
J.	7.6	6.0	5.1	4.1	3.5	3.1	2.9	2.5	2.4	2.2	1.8	13.6	4.0	8.8
A.	10.8	8.4	7.1	6.1	5.3	4.6	4.4	4.2	3.5	3.1	2.9	16.6	5.8	11.2
S.	10.6	8.4	6.8	5.6	4.7	4.1	3.6	3.0	2.6	2.2	1.9	16.6	5.1	10.9
O.	5.7	4.6	3.6	3.0	2.5	2.4	2.0	1.8	1.6	1.3	1.3	10.3	2.9	6.6
N.	3.3	2.5	2.0	1.8	1.6	1.4	1.2	1.3	1.3	1.2	1.0	6.5	1.8	4.1
D.	4.8	3.3	2.5	2.1	1.8	1.6	1.5	1.3	1.2	1.1	1.1	8.4	2.2	5.3
A.	5.8	4.5	3.6	3.0	2.5	2.3	2.1	1.8	1.6	1.5	1.0	10.2	2.9	6.5

C. - TENSION DE VAPEUR D'EAU (e) EN MB.

KARAMA - PLATEAU.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	16.7	17.2	18.1	18.7	19.6	19.3	18.0	17.9	18.0	16.9	17.0	16.9	18.0	
F.	17.9	18.1	18.9	19.2	19.3	18.8	18.3	18.4	18.4	17.7	17.8	17.9	18.4	
M.	17.4	17.7	17.9	18.2	19.0	19.0	18.3	18.6	18.4	17.7	18.4	18.5	18.3	
A.	17.8	18.2	19.0	18.2	19.4	19.5	18.6	18.8	18.8	18.7	18.9	19.1	18.8	
M.	16.9	17.7	18.6	18.0	18.2	18.1	17.4	17.8	17.6	17.2	17.5	18.2	17.8	
J.	15.7	16.7	17.3	17.1	16.5	16.3	16.0	16.1	16.0	15.5	16.1	18.3	16.3	
J.	14.2	14.6	15.4	15.0	13.9	13.5	13.5	13.2	13.1	12.9	13.1	13.6	14.0	
A.	13.7	14.0	14.4	12.9	12.4	12.3	11.9	12.2	12.5	10.4	12.7	12.7	12.6	
S.	15.0	15.2	15.8	14.7	14.6	14.1	13.3	13.7	13.2	13.1	13.3	13.6	14.3	
O.	16.5	17.3	17.8	17.7	17.6	17.1	16.4	16.4	16.4	16.4	16.7	16.9	17.0	
N.	17.4	18.1	18.9	19.0	17.2	18.7	18.1	18.3	18.4	18.2	18.7	18.8	18.5	
D.	16.5	17.4	18.4	19.0	19.8	22.3	17.8	17.7	17.8	17.3	17.9	18.0	17.9	
A.	16.3	16.8	17.5	17.3	17.3	17.4	16.5	16.6	16.5	16.0	16.5	16.9	16.8	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6 h	6-6 h.
J.	17.9	18.2	18.3	18.3	18.0	17.7	17.5	17.3	17.2	17.1	16.8	17.8	17.6	17.7
F.	18.7	19.0	19.0	18.9	18.5	18.5	18.5	18.3	18.2	18.1	17.9	18.4	18.5	18.5
M.	18.2	18.6	18.6	18.5	18.4	18.2	18.0	17.9	17.7	17.6	17.5	18.4	18.2	18.3
A.	18.7	18.8	19.0	19.0	18.8	18.6	18.2	18.1	18.0	17.9	17.8	18.9	18.4	18.7
M.	17.9	18.3	18.5	18.3	17.9	17.8	17.6	17.3	17.5	17.0	17.1	17.8	17.7	17.7
J.	16.6	17.0	17.2	17.1	17.0	16.7	16.6	16.3	16.2	16.0	16.0	16.3	16.6	16.4
J.	14.4	14.6	15.3	15.3	15.1	14.9	14.6	14.7	14.5	14.4	14.3	13.8	14.6	14.2
A.	13.9	13.7	14.4	14.7	14.7	14.4	14.0	13.9	13.8	13.9	13.8	12.7	14.0	13.3
S.	15.0	15.4	15.7	15.8	15.6	15.6	15.4	15.2	15.2	15.1	15.0	14.1	15.3	14.7
O.	17.3	17.6	17.7	17.4	17.2	16.9	16.8	16.6	16.6	16.5	16.4	16.9	17.0	17.0
N.	18.4	18.2	18.0	18.0	18.2	17.8	17.6	17.5	17.3	17.4	17.3	18.9	17.8	18.3
D.	18.0	18.1	18.2	17.9	17.7	17.4	17.3	17.1	17.0	16.8	16.3	17.2	17.4	17.8
A.	17.1	17.3	17.5	17.4	17.3	17.0	16.8	16.7	16.6	16.5	16.4	16.8	16.9	16.9

b.- HUMIDITE RELATIVE (U) EN %.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	93	92	88	81	75	68	59	57	76	56	59	65	71	
F.	95	93	89	82	76	69	64	62	61	62	63	66	74	
M.	95	90	91	83	78	72	66	64	63	65	62	71	76	
A.	95	94	91	83	76	71	64	66	66	70	74	78	82	
M.	95	93	86	75	69	64	60	60	59	58	61	69	74	
J.	93	91	83	73	64	58	54	52	52	49	53	56	64	
J.	87	86	79	63	52	47	44	42	40	39	41	45	54	
A.	77	75	65	69	44	39	36	35	33	33	35	39	44	
S.	84	81	68	53	46	42	39	38	38	38	39	42	50	
O.	90	88	79	70	62	56	56	55	55	58	61	64	70	
N.	94	92	89	81	75	69	65	69	70	73	73	78	85	
D.	95	92	87	81	75	67	61	62	62	59	62	68	73	
A.	84	89	83	68	66	60	56	55	55	55	57	62	68	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6 h	6-6 h.
J.	75	79	82	84	85	86	88	89	90	92	92	70	85	78
F.	81	84	86	90	91	91	93	93	94	95	94	72	89	81
M.	82	85	88	90	91	91	93	94	94	98	98	74	90	82
A.	86	89	91	92	89	94	94	94	95	96	96	77	92	85
M.	82	86	88	89	90	91	92	93	94	94	95	69	90	79
J.	71	77	80	81	85	86	88	89	91	92	92	63	84	74
J?	58	64	70	74	76	77	78	80	82	84	85	54	75	64
A.	51	55	59	63	65	66	66	68	70	73	75	45	64	55
S.	56	61	64	68	69	70	75	76	79	81	83	49	71	60
O.	75	75	80	81	82	83	85	87	88	90	90	65	84	75
N.	86	87	88	90	90	92	92	93	93	93	94	77	91	84
D.	78	82	84	86	87	89	91	92	93	95	95	72	88	80
A.	73	77	80	82	83	85	86	87	89	90	91	66	84	75

c. - DEFICIT DE SATURATION (Δe) EN MB.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	1.2	1.4	2.4	4.5	6.7	8.5	13.1	14.1	14.6	14.9	13.6	10.9	8.2	
F.	0.9	1.4	2.5	4.4	6.5	9.1	11.3	13.0	12.3	12.0	11.5	14.3	7.1	
M.	1.0	1.3	1.9	4.1	5.8	7.6	10.3	10.9	11.7	12.0	8.9	8.1	6.0	
A.	0.9	1.0	2.1	0.9	6.3	8.2	10.8	10.3	15.8	9.0	7.6	5.8	4.5	
M.	0.8	1.3	3.2	6.4	8.6	9.4	12.0	12.4	13.1	13.1	11.8	9.0	6.9	
J.	1.2	1.6	3.6	6.7	9.8	11.9	13.6	14.5	15.6	16.5	14.9	12.7	9.3	
J.	2.3	2.4	4.3	8.8	13.3	15.8	17.6	18.5	19.6	20.4	19.3	17.0	12.0	
A.	4.2	4.7	7.5	13.3	16.9	19.2	21.9	23.1	24.2	24.5	24.2	22.6	17.0	
S.	2.8	3.6	7.6	13.4	17.0	20.0	22.3	23.3	23.8	23.7	23.5	19.9	15.0	
O.	1.8	2.5	4.8	8.2	11.8	14.4	14.8	15.3	15.0	14.1	12.6	10.6	8.2	
N.	0.9	1.4	2.8	4.5	6.6	8.8	10.0	8.9	8.0	7.8	7.0	5.9	3.3	
D.	0.9	1.3	2.8	4.6	7.0	10.1	12.3	12.9	12.2	13.4	11.4	9.4	6.8	
A.	1.6	2.0	3.8	6.6	9.7	11.9	14.2	14.8	15.0	15.0	13.9	12.2	8.7	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6 h	6-6 h.
J.	6.2	5.2	4.1	3.6	3.3	2.9	2.5	2.2	1.9	1.5	1.4	9.3	3.4	6.4
F.	4.8	3.7	2.9	2.5	2.3	1.9	1.5	1.3	1.2	0.9	0.9	8.2	2.2	5.2
M.	4.3	3.3	2.7	2.1	1.8	1.6	1.4	1.2	1.2	1.0	1.1	7.2	2.2	4.7
A.	3.2	2.5	1.8	1.6	1.5	1.2	1.2	1.1	0.9	0.8	0.8	6.5	1.6	4.1
M.	4.2	3.2	2.6	2.2	2.0	1.7	1.5	1.3	1.1	1.1	0.9	8.8	2.1	5.5
J.	6.4	5.2	4.2	3.7	3.0	2.7	2.9	1.9	1.6	1.4	1.3	10.6	3.3	6.9
J.	10.4	8.2	6.7	5.5	4.8	4.5	4.9	3.7	3.2	2.8	2.5	13.5	5.4	9.5
A.	13.0	11.3	9.6	8.6	7.8	7.5	7.3	6.6	5.9	5.0	4.6	17.4	8.2	12.8
S.	11.9	10.1	9.2	7.9	7.1	6.2	5.3	4.9	4.1	3.5	3.1	17.2	6.8	12.0
O.	6.2	5.1	4.7	4.3	3.9	3.5	3.1	2.6	2.2	1.9	2.0	10.8	3.7	7.3
N.	2.9	2.6	2.5	2.2	1.9	1.2	1.4	1.4	1.2	1.2	1.7	6.2	1.9	4.1
D.	4.8	4.0	3.4	3.0	2.6	2.2	1.8	1.5	1.3	1.0	1.0	8.4	2.8	5.6
A.	6.5	5.4	4.5	3.9	3.5	3.1	2.9	2.5	2.1	1.8	1.8	10.3	3.6	7.0

RUBON A.

a.-TENSION DE VAPEUR D'EAU (e) EN MB.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	15.0	15.1	15.8	16.8	17.5	17.6	17.3	17.2	16.5	16.0	15.9	15.8	15.9	
F.	15.9	16.3	16.8	17.6	17.9	18.0	17.8	17.6	17.5	17.3	16.3	17.0	16.6	
M.	16.0	16.1	16.8	17.9	17.7	17.8	17.4	17.3	17.2	16.7	17.0	17.1	16.8	
A.	16.1	16.5	17.1	17.8	18.2	18.0	18.3	17.1	18.0	17.4	17.2	17.2	17.3	
M.	15.5	16.1	17.0	16.6	17.1	17.2	17.3	17.1	17.5	16.7	16.8	17.3	16.7	
J.	14.6	14.7	15.3	15.8	15.9	16.1	16.3	16.3	16.2	15.9	15.9	16.1	16.0	
J.	13.1	13.6	13.7	14.0	13.8	14.0	14.2	14.3	14.4	14.3	14.2	14.2	13.7	
S.	12.5	12.4	12.9	12.5	12.5	11.9	12.9	13.0	13.2	14.5	13.1	13.0	12.6	
S.	11.9	13.6	13.8	13.7	14.3	14.1	13.9	14.2	13.9	13.5	13.6	15.3	13.5	
O.	14.7	15.2	15.7	16.0	16.5	16.2	16.1	16.1	15.8	15.6	15.6	15.9	16.1	
N.	15.9	15.8	16.6	17.0	17.4	17.3	17.2	17.0	17.2	16.8	16.6	16.9	16.6	
D.	15.1	15.5	16.5	17.0	18.0	16.9	16.6	16.3	16.8	16.4	16.0	16.5	16.0	
A.	14.7	15.1	15.7	16.1	16.4	16.3	16.3	16.1	16.2	15.9	15.7	16.0	15.6	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6 h	6-6 h.
J.	15.5	15.7	16.1	16.1	16.0	16.0	15.6	15.8	15.6	15.4	15.3	16.5	15.7	16.2
F.	16.5	16.7	16.7	16.6	16.0	16.5	16.4	16.1	16.3	15.9	16.0	17.2	16.3	16.7
M.	16.3	16.6	17.0	16.6	16.4	16.4	16.5	16.3	16.3	16.0	16.0	16.9	16.3	16.7
A.	16.8	16.9	16.9	16.8	17.6	16.8	16.8	16.6	16.4	16.5	16.4	17.4	16.7	17.1
M.	16.6	16.6	16.5	16.5	16.4	16.1	16.1	16.1	15.9	15.8	15.7	17.1	16.2	16.4
J.	15.6	15.5	15.5	15.5	15.5	15.3	14.4	14.8	14.8	14.5	14.6	13.7	15.1	15.4
J.	14.1	14.1	14.1	13.8	13.6	13.5	13.6	13.5	13.2	13.3	12.8	14.1	13.6	13.7
A.	13.1	12.9	13.0	13.0	13.1	13.0	13.0	12.8	12.9	12.8	12.7	12.9	13.0	12.9
S.	13.6	14.1	14.5	14.4	14.4	14.3	14.3	13.9	13.8	13.8	12.4	13.9	14.1	14.0
O.	15.8	16.0	15.9	15.8	15.6	15.4	15.2	15.0	14.9	14.2	14.7	15.8	15.5	15.5
N.	16.5	16.4	16.6	16.4	16.3	16.1	16.1	15.9	15.9	15.7	15.7	16.8	16.1	16.1
D.	15.8	16.3	16.3	16.3	16.4	16.3	16.2	15.9	15.7	15.3	15.2	16.1	16.0	16.3
A.	15.5	15.6	15.8	15.6	15.6	15.5	15.3	15.2	15.1	14.9	14.8	15.9	15.4	15.6

b. - HUMIDITE RELATIVE (U) EN %.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	88	87	84	77	71	67	64	61	57	59	62	64	70	
F.	89	92	86	81	77	73	68	66	65	68	66	73	79	
M.	91	91	89	83	79	78	70	70	68	66	68	73	77	
A.	91	91	84	82	80	78	71	60	73	75	75	79	83	
M.	90	83	86	78	76	73	70	66	67	66	68	77	78	
J.	87	86	83	78	72	70	67	64	61	60	62	66	75	
J.	83	83	76	68	61	58	56	54	54	53	52	55	60	
A.	70	69	67	56	51	46	47	45	44	47	44	46	50	
S.	70	77	67	57	53	49	45	46	45	44	45	55	55	
O.	86	84	76	70	66	60	58	58	56	59	64	67	75	
N.	96	89	88	82	78	74	71	71	72	75	76	80	85	
D.	90	88	83	73	73	66	64	62	65	67	65	70	74	
A.	86	85	81	74	70	66	63	60	61	62	62	67	72	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18h	18-6h	6-6h.
J.	71	74	76	78	80	82	82	87	87	87	89	70	81	76
F.	80	82	83	85	83	87	88	87	92	87	91	75	86	80
M.	81	85	89	86	87	89	90	91	92	91	92	75	87	81
A.	86	87	87	88	95	90	91	92	92	92	92	77	90	84
J.	80	81	82	83	85	85	87	88	89	88	89	76	85	78
J.	75	75	77	80	83	83	80	84	86	85	87	70	82	76
J.	64	65	66	66	69	71	73	75	76	78	77	63	71	75
A.	55	54	56	58	61	62	64	65	68	70	71	51	63	56
S.	57	61	65	67	68	71	73	74	75	78	71	53	70	61
O.	75	78	78	80	81	83	84	85	86	83	86	66	83	73
N.	86	85	89	88	90	91	92	92	94	93	93	79	90	82
D.	74	78	80	81	82	85	87	87	88	90	90	70	84	78
A.	74	75	77	78	80	82	83	84	85	85	86	69	81	74

c. - DEFICIT DE SATURATION (Δe) EN MB.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	1.8	2.1	2.8	4.7	6.8	8.2	9.9	10.5	12.0	11.4	9.5	8.5	8.7	
F.	1.7	1.3	2.6	4.1	5.1	6.5	8.5	9.0	8.9	8.7	8.1	6.0	4.5	
M.	1.3	1.3	2.0	3.5	4.4	4.9	6.8	7.3	8.0	8.8	7.7	6.0	4.8	
A.	1.3	1.3	3.0	3.8	4.3	5.0	7.3	11.0	6.6	6.4	5.5	4.3	3.4	
M.	1.7	2.0	2.7	4.6	5.1	6.2	7.4	8.7	8.3	8.7	7.6	5.0	4.8	
J.	1.9	2.2	2.8	4.4	5.9	6.6	7.9	9.0	10.0	10.4	9.4	8.2	6.1	
J.	2.8	2.5	3.9	6.3	8.6	9.8	10.9	12.1	11.9	12.7	12.8	11.2	9.2	
A.	5.2	5.4	6.4	9.8	12.0	14.1	14.6	16.1	17.0	16.4	16.8	15.2	12.8	
S.	5.0	4.2	6.6	10.4	12.5	14.7	16.8	16.8	17.2	17.4	16.4	12.8	11.3	
O.	2.3	2.8	4.8	7.0	8.4	10.6	11.5	11.5	12.2	10.9	8.8	7.6	5.4	
N.	0.6	1.9	2.2	3.8	4.8	5.9	6.8	7.0	6.6	5.6	5.3	4.3	3.0	
D.	1.6	2.1	3.4	6.2	6.6	8.9	9.5	10.0	9.2	8.2	8.8	7.0	5.6	
A.	2.3	2.4	3.6	5.7	7.0	8.4	9.8	10.7	10.7	10.5	9.7	8.0	6.6	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18h	18-6h	6-6 h.
J.	6.1	5.3	4.8	4.3	3.6	3.3	3.1	2.2	2.1	2.1	1.7	6.9	3.5	5.0
F.	3.8	3.3	3.1	2.7	3.0	2.3	2.1	2.3	1.2	2.2	1.4	5.6	2.5	3.9
M.	3.6	2.5	4.9	2.5	2.3	1.9	1.5	1.5	1.3	1.5	1.3	5.3	2.3	3.6
A.	2.3	2.3	2.3	2.1	0.7	1.6	1.4	1.3	1.2	1.2	1.1	4.9	1.7	3.2
M.	3.8	3.6	3.4	3.0	2.6	2.5	2.3	1.9	1.8	1.8	1.7	5.1	2.5	4.3
J.	4.8	4.8	4.4	3.7	3.1	3.0	3.4	2.6	2.2	2.3	1.9	6.6	3.3	4.8
J.	7.7	7.4	7.0	7.0	5.8	5.2	4.6	4.3	4.0	3.5	3.5	8.1	5.3	7.1
A.	10.5	10.8	10.0	9.2	8.2	7.8	7.2	7.0	6.0	5.6	5.2	12.2	7.7	10.0
S.	10.0	8.8	7.8	7.1	6.7	5.9	5.2	4.8	4.3	3.8	5.0	12.4	6.0	9.0
O.	5.2	4.6	4.5	4.0	3.6	3.2	3.0	2.6	2.3	2.9	2.5	8.2	3.2	5.7
N.	2.6	2.6	2.1	2.1	1.8	1.6	1.4	1.4	1.0	1.2	1.2	4.6	1.8	3.4
D.	5.6	4.6	4.2	3.8	3.4	2.8	2.4	2.4	2.1	1.8	1.6	7.1	3.0	4.7
A.	5.5	5.0	4.6	4.3	3.7	3.4	3.1	2.9	2.5	2.5	2.3	7.2	3.6	5.4

RWERERE - COLLINE

a. --TENSION DE VAPEUR D'EAU (e) EN MB.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	12.6	12.8	13.4	13.7	13.3	14.0	13.3	13.8	13.7	13.0	13.6	13.9	12.8	
F.	12.8	13.5	14.1	14.4	15.5	15.8	14.6	15.8	15.6	14.5	15.2	15.0	14.1	
M.	12.6	13.4	13.9	14.1	14.4	15.0	14.0	15.4	15.3	13.8	15.0	14.9	13.6	
A.	13.3	13.8	14.4	14.8	14.5	15.0	14.6	15.0	14.9	14.3	14.5	14.3	13.6	
M.	13.4	13.8	13.9	14.5	10.5	15.7	14.9	16.2	16.1	14.9	15.1	15.4	14.1	
J.	12.9	13.3	13.7	13.8	14.4	14.6	14.5	15.3	15.4	14.7	15.4	15.1	13.8	
J.	11.5	11.9	12.5	12.6	13.5	14.0	12.8	14.1	14.4	13.1	13.9	13.9	12.5	
A.	10.8	11.0	11.4	11.9	12.2	12.6	12.1	13.0	13.3	12.3	13.4	13.2	11.7	
S.	11.8	12.1	12.9	12.9	13.9	14.2	12.8	13.7	14.2	12.8	13.6	13.5	12.3	
O.	11.7	11.5	13.4	13.0	14.6	14.5	13.5	14.6	14.8	13.2	14.5	14.3	12.6	
N.	12.1	13.0	13.6	14.1	15.0	15.4	14.6	15.6	15.3	14.1	14.9	14.8	13.6	
D.	12.2	13.1	14.0	13.4	15.1	15.4	13.9	15.5	15.9	14.0	16.0	15.5	12.9	
A.	12.3	12.8	13.4	13.6	13.9	14.7	13.8	14.8	14.9	13.7	14.6	14.5	13.1	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6 h	6-6 h.
J.	13.2	13.2	13.3	13.2	13.3	13.2	13.2	13.1	13.0	13.0	12.9	13.5	13.0	13.5
F.	14.2	14.3	14.3	14.2	14.0	13.9	13.7	13.6	13.6	13.5	13.4	14.8	13.9	14.3
M.	13.9	13.6	13.4	13.2	13.1	13.1	12.9	13.2	13.1	13.0	13.0	14.3	13.3	14.0
A.	13.8	13.6	13.6	13.6	13.6	13.3	13.4	13.3	13.2	13.6	13.1	15.5	14.3	14.9
M.	14.6	14.3	14.4	14.4	14.3	14.0	14.0	13.7	13.8	13.7	13.6	15.1	14.3	14.9
J.	14.0	13.9	13.8	13.7	13.7	13.5	13.3	13.3	14.4	13.1	13.0	14.5	13.5	14.0
J.	13.0	13.0	13.0	13.0	12.9	12.7	12.6	12.5	12.4	12.2	12.1	13.2	12.6	13.0
A.	11.9	11.9	12.0	12.1	12.0	11.8	11.6	11.6	11.4	11.4	11.2	12.3	11.6	12.0
S.	12.6	12.5	12.6	12.6	12.6	12.4	12.4	12.3	12.2	12.1	12.0	13.2	12.4	12.7
O.	13.3	13.3	13.4	13.2	13.2	13.1	13.0	12.7	12.7	12.6	12.5	13.7	12.9	13.4
N.	14.0	14.0	13.9	13.7	13.6	13.6	13.3	13.2	13.0	13.0	12.9	14.4	13.4	13.8
D.	14.5	14.0	14.0	14.0	14.1	13.6	13.5	13.4	13.1	13.1	13.0	14.7	13.7	14.0
A.	13.6	13.5	13.5	13.4	13.4	13.2	13.1	13.0	13.0	12.9	12.7	14.1	13.2	13.7

b. - HUMIDITE RELATIVE (U) EN %.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	82	81	78	74	67	67	62	64	63	60	65	71	71	
F.	84	88	86	81	84	82	73	80	78	74	81	84	84	
M.	85	89	86	83	75	78	69	76	76	69	79	82	80	
A.	92	93	90	86	83	84	78	82	85	82	88	92	88	
M.	93	93	89	87	59	86	78	83	83	79	84	89	87	
J.	91	93	90	86	86	84	79	81	81	76	82	85	83	
J.	84	86	85	78	78	79	67	74	73	67	73	77	75	
A.	73	73	71	69	66	66	60	64	63	57	64	67	64	
S.	76	74	72	65	66	67	58	62	64	58	65	69	67	
O.	74	70	76	68	73	70	66	72	73	66	76	80	77	
N.	82	86	85	79	82	81	76	82	81	76	82	87	87	
D.	80	81	80	68	75	77	69	78	79	67	82	84	77	
A.	83	84	82	77	74	77	70	75	75	69	77	81	78	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18 h	18-6h	6-6 h.
J.	77	78	80	81	83	83	84	84	84	84	84	70	81	76
F.	87	89	90	90	90	90	89	89	89	89	89	82	90	86
M.	82	88	87	87	87	88	87	90	90	89	89	79	89	85
A.	96	92	92	93	95	93	94	95	94	96	93	94	98	96
M.	93	92	92	93	93	92	94	91	95	95	94	87	96	92
J.	88	89	89	89	90	90	91	92	100	92	92	85	92	88
J.	82	82	82	82	84	84	85	86	87	87	88	77	87	81
A.	69	70	71	73	73	73	72	74	75	76	74	66	74	70
S.	73	75	77	77	78	77	78	79	79	78	78	66	77	70
O?	82	84	84	83	84	83	83	81	81	81	80	73	82	78
N.	91	92	90	90	90	90	89	88	87	86	86	82	89	84
D.	89	89	89	90	92	90	89	89	87	87	86	79	89	82
A.	84	85	85	86	87	86	86	86	87	87	86	78	87	82

C. DEFICIT DE SATURATION (Δe) EN MB.

MOIS	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	
J.	2.6	2.8	3.6	4.6	6.4	6.8	7.8	7.8	8.0	8.6	7.2	5.7	5.2	
F.	2.3	1.7	2.1	3.2	2.9	3.3	5.1	3.8	4.2	4.9	3.5	2.6	2.7	
M.	2.1	1.6	2.0	2.8	4.5	4.2	6.0	4.8	4.7	6.0	3.9	3.2	3.3	
A.	1.0	0.9	1.4	2.3	2.8	2.8	4.0	3.1	2.5	3.1	1.9	1.2	1.8	
M.	0.9	0.9	1.6	2.0	7.1	2.4	4.2	3.3	3.2	3.9	2.8	1.9	2.0	
J.	1.2	0.9	1.4	2.2	2.2	2.6	3.7	3.4	3.6	4.6	3.3	2.6	2.5	
J.	2.0	1.8	2.1	3.3	3.7	3.5	6.1	5.0	5.1	6.2	5.0	3.9	4.0	
A.	3.8	3.8	4.4	5.3	6.2	6.5	7.9	7.3	7.8	9.1	7.5	6.2	6.3	
S.	3.5	4.1	4.8	6.8	7.0	6.9	9.0	8.4	7.8	9.4	7.3	6.0	6.0	
O.	4.0	4.8	4.0	5.9	5.1	6.2	6.8	5.5	5.3	6.6	4.4	3.4	3.7	
N.	2.4	2.0	2.3	3.5	3.2	3.4	4.4	3.3	3.5	4.3	3.2	2.1	2.0	
D.	2.9	2.9	3.3	6.1	5.0	4.4	6.1	4.4	4.2	6.7	3.5	2.9	3.8	
▲.	2.4	2.3	2.7	4.0	4.7	4.4	5.9	5.0	5.0	6.1	4.5	3.5	3.6	
	19.	20.	21.	22.	23.	24.	1.	2.	3.	4.	5.	6-18h	18-6h	6-6h.
J.	3.9	3.6	3.3	3.1	2.7	2.6	2.4	2.4	2.4	2.4	2.3	5.8	3.2	4.1
F.	2.0	1.8	1.6	1.5	1.4	1.4	1.6	1.6	1.6	1.6	1.5	3.2	1.4	2.3
M.	2.7	1.8	1.9	1.9	1.8	1.7	1.7	1.4	1.3	1.4	1.4	3.7	1.7	2.4
A.	0.5	1.1	1.1	0.9	0.7	0.9	0.7	0.6	0.7	0.4	0.8	1.0	0.2	0.6
M.	1.0	1.2	1.2	1.0	0.9	1.1	0.8	1.3	0.6	0.6	0.8	2.2	0.6	1.2
J.	1.8	1.6	1.6	1.6	1.3	1.3	1.2	1.0	0.0	1.1	1.1	2.6	1.2	1.9
J.	2.7	2.7	2.7	2.7	2.3	2.3	2.0	1.8	1.7	1.7	1.5	4.0	2.0	2.9
A.	5.0	4.7	4.7	4.2	4.2	4.2	4.2	3.9	3.6	3.4	3.7	6.2	4.2	5.1
S.	4.4	4.0	3.5	3.5	3.3	3.5	3.3	3.2	3.2	3.3	3.3	6.8	3.5	5.2
O.	2.7	2.4	2.5	2.4	2.4	2.4	2.6	2.8	2.8	2.8	2.9	5.	2.7	3.7
N.	1.2	1.1	1.3	1.3	1.3	1.3	1.6	1.7	1.9	2.0	2.0	3.1	1.6	2.6
D.	1.6	1.7	1.7	1.5	1.2	1.5	1.5	1.6	1.8	1.8	2.0	3.8	1.6	3.0
A.	2.5	2.3	2.3	2.1	2.0	2.0	2.0	1.9	1.8	1.9	1.9	3.9	2.0	2.9

VI. - L'INSOLATION.

(EN DIXIEME D'HEURE)

A. INSOLATION MENSUELLE OU ANNUELLE EFFECTIVE ET RELATIVE.

Lettres conventionnelles.

- I. = insolation mensuelle ou annuelle effective.
- (I)N = moyenne de référence calculée sur le plus grand nombre d'années au cours de la période 1951-1965.
- I-(I)N = écart de I à la normale (normale = moyenne de référence calculée sur le plus grand nombre d'années au cours de la période 1951-1965).
- Ir = insolation mensuelle ou annuelle relative en pour cent (pourcentage de l'insolation mensuelle ou annuelle effective à l'insolation mensuelle ou annuelle astronomiquement possible).
- (Ir)N = moyenne de référence de l'insolation mensuelle ou annuelle relative en pour cent.
- Ir-(Ir)N = écart de Ir à la normale (normale = moyenne de référence.....).

B. VARIATION HORAIRES MENSUELLE ET ANNUELLE (E 7 à 17.00 h) EN POUR CENT DE DUREE D'INSOLATION.

A. INSOLATION MENSUELLE OU ANNUELLE EFFECTIVE ET RELATIVE.

MOIS	I	(I)N	I-(I)N	Ir	(Ir)N	Ir-(Ir)N	I	(I)N	I-(I)N	Ir	(Ir)N	Ir-(Ir)N	I	(I)N	I-(I)N	Ir	(Ir)N	Ir-(Ir)N
BYIMANA																		
J.	I647	-	-	43.5	-	-	2095	-	-	55.3	-	-	I5I3	-	-	39.9	-	-
F.	904	-	-	25.5	-	-	I399	-	-	39.6	-	-	946	-	-	26.7	-	-
M.	II58	-	-	30.8	-	-	I3I5	-	-	35.0	-	-	979	-	-	26.0	-	-
A.	929	-	-	25.7	-	-	I293	-	-	35.7	-	-	880	-	-	24.3	-	-
M.	I320	-	-	35.5	-	-	I873	-	-	50.3	-	-	II24	-	-	30.2	-	-
J.	I45I	-	-	40.4	-	-	2I20	-	-	59.6	-	-	I358	-	-	37.8	-	-
J.	I524	-	-	4I.0	-	-	2307	-	-	62.0	-	-	I538	-	-	4I.3	-	-
A.	I853	-	-	49.7	-	-	2376	-	-	63.7	-	-	I835	-	-	49.2	-	-
S.	I957	-	-	53.9	-	-	252I	-	-	69.4	-	-	I753	-	-	48.3	-	-
O.	I555	-	-	5I.2	-	-	I79I	-	-	47.5	-	-	I358	-	-	36.0	-	-
N.	I066	-	-	29.0	-	-	I230	-	-	33.5	-	-	796	-	-	2I.7	-	-
D.	I738	-	-	45.7	-	-	I895	-	-	49.9	-	-	I443	-	-	38.0	-	-
A.	I7I02	-	-	38.6	-	-	22245	-	-	50.3	-	-	I5523	-	-	35.0	-	-
NYAMATA																		
J.	2039	-	-	53.8	-	-	2028	I803	+225	53.5	47.5	+6.0	I770	I620	+I50	46.8	44.0	+2.8
F.	I287	-	-	36.5	-	-	I2I6	I596	-380	34.3	46.3	-I2.0	867	I346	-479	24.6	40.I	-I5.5
M.	I286	-	-	34.2	-	-	II57	I724	-567	30.8	45.8	-I5.0	II08	I358	-250	29.5	36.2	-6.7
A.	I068	-	-	29.5	-	-	I2I3	I55I	-338	33.5	42.8	-9.3	980	II98	-2I8	27.I	33.I	-6.0
M.	I524	-	-	43.7	-	-	I539	I735	-I96	4I.4	46.7	-5.3	I220	I3I2	-92	32.7	35.5	-2.8
J.	I627	-	-	45.3	-	-	I8I6	2I44	-328	50.6	59.7	-9.I	I260	I742	-482	34.9	45.7	-I0.8
J.	20I6	-	-	54.2	-	-	2006	2286	-284	53.2	6I.5	-7.6	I567	I862	-295	42.0	50.0	-8.0
A.	I976	-	-	53.0	-	-	2203	2I82	+2I	59.I	58.5	+0.6	I7I0	I599	+III	45.7	42.7	+3.0
S.	2228	-	-	6I.4	-	-	2225	I909	+3I6	6I.3	54.I	+7.2	I924	I377	+547	53.0	38.0	+I5.0
O.	I570	-	-	4I.6	-	-	I655	I750	-95	43.9	46.5	-2.6	I326	I344	-I8	35.2	35.8	-0.6
N.	I072	-	-	29.2	-	-	I226	I533	-307	33.4	4I.I	-7.7	I069	II67	-98	29.2	3I.9	-2.7
D.	I509	-	-	39.7	-	-	I834	I682	+I52	48.3	44.2	+4.I	I780	I440	+340	47.0	38.0	+9.0
A.	I9202	-	-	43.4	-	-	20II8	2I896	-I778	45.4	49.5	-4.I	I658I	I7367	-786	37.4	39.3	-I.9
RUBONA (I)																		
RWERERE - COLLINE (7)																		

MOIS	I.	(I)N	I--(I)N	Ir	(Ir)N	Ir--(Ir)N
			Z A Z A			
J.	I50I	-	-	39.6	-	-
F.	860	-	-	24.3	-	-
M.	992	-	-	26.4	-	-
A.	966	-	-	26.7	-	-
M.	I456	-	-	39.I	-	-
J.	I5I0	-	-	42.I	-	-
J.	I820	è	-	48.9	-	-
A.	I357	-	-	36.4	-	-
S.	I789	-	-	49.3	-	-
O.	I377	-	-	36.5	-	-
N.	I203	-	-	32.8	-	-
D.	I564	-	-	4I.I	-	-
A.	I6395	-	-	37.0	-	-

B. VARIATION HORAIRE MENSUELLE (de 7 à 17 h) EN % DE LA DUREE D'INSOLATION.

MOIS	BYIMANA												
	Heures antéméridiennes					Heures postméridiennes					Intervalles		
	7 - 8	8 - 9	9 -10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	7 -12	7 -17	12-17
J.	37.8	44.6	48.5	52.0	54.6	62.0	63.0	63.6	54.3	42.0	47.4	52.2	56.9
F.	17.9	22.8	33.8	30.0	31.1	32.0	40.0	39.0	33.8	22.8	27.1	20.3	33.5
M.	17.1	31.0	34.6	39.4	31.0	37.8	42.6	55.5	49.1	29.4	30.6	36.8	42.8
A.	18.0	25.3	24.3	32.0	47.3	44.0	46.0	36.0	18.0	14.7	24.4	30.5	31.7
M.	25.5	30.4	37.1	36.2	39.1	46.2	58.1	53.6	52.3	33.6	33.6	41.2	48.7
J.	16.7	29.6	30.0	34.3	40.3	62.6	69.9	69.3	53.3	55.9	30.2	46.2	62.3
J.	28.7	50.7	48.1	51.7	47.1	48.5	44.3	45.9	53.6	56.2	45.2	47.5	49.6
A.	26.8	56.2	69.4	73.6	67.1	66.2	67.8	65.6	60.4	41.0	58.6	59.4	60.1
S.	37.6	68.3	75.6	84.2	85.6	68.6	63.3	62.6	58.3	42.6	70.4	64.7	59.2
O.	37.8	55.2	60.1	61.7	58.8	59.4	52.0	50.1	32.9	26.8	54.6	49.5	44.2
N.	20.3	24.0	37.6	47.0	60.9	53.9	41.0	31.0	21.0	13.7	38.0	35.0	32.1
D.	42.3	49.7	44.9	52.6	55.5	62.3	59.1	60.4	58.8	45.9	49.0	53.1	57.2
A.	27.2	40.6	45.3	39.5	51.5	53.6	53.9	52.7	45.5	35.4	42.8	45.5	48.2
KARAMA - PLATEAU													
J.	34.2	54.2	65.8	76.5	79.4	77.4	73.6	68.7	59.7	53.6	62.2	64.5	66.6
F.	31.4	35.5	44.8	40.3	58.6	66.2	56.9	44.5	40.0	31.7	42.9	45.3	47.9
M.	13.9	36.8	35.8	38.7	47.7	54.5	61.0	52.9	49.7	42.6	34.9	43.5	52.1
A.	23.0	31.3	42.7	46.7	55.3	60.7	58.0	43.0	37.0	22.0	39.8	41.9	44.1
M.	44.2	47.4	64.8	68.7	65.5	68.4	63.6	63.6	56.8	46.5	56.6	56.9	57.0
J.	51.3	60.3	60.7	71.3	72.3	71.0	78.0	74.7	68.3	66.7	62.6	66.7	71.1
J.	50.6	70.0	81.3	80.7	81.6	73.6	64.8	66.8	68.4	67.1	73.5	70.9	68.1
A.	57.7	72.9	73.2	79.0	75.8	81.9	89.4	82.6	75.2	54.8	71.7	74.3	76.8
S.	74.0	92.3	90.0	89.7	88.7	83.0	76.0	73.7	79.3	61.3	87.0	80.4	74.0
O.	21.0	58.1	66.7	72.9	63.2	53.2	51.3	45.8	41.6	42.3	62.8	54.9	46.8
N.	19.3	29.0	36.7	45.7	43.3	48.3	47.7	39.0	40.0	35.0	34.8	38.4	42.0
D.	37.4	34.8	54.8	67.1	60.3	61.3	53.2	61.0	62.3	57.1	50.9	55.3	59.6
A.	38.2	51.9	59.8	64.8	66.0	66.6	64.5	59.7	56.5	48.4	56.6	57.7	58.8

MOIS

Heures antéméridiennes

M A T A.

Heures postméridiennes

Intervalles

	Heures antéméridiennes					Heures postméridiennes					Intervalles		
	7 - 8	8 - 9	9 -10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	7 -12	7 -17	12-17
J.	30.0	40.4	44.3	51.3	59.1	52.6	50.7	54.3	57.2	38.4	45.0	47.8	50.6
F.	11.0	20.7	29.3	36.2	43.1	41.7	37.3	32.8	31.7	29.3	28.1	31.3	34.6
M.	21.6	29.7	38.8	30.0	29.7	33.9	35.9	31.3	37.1	22.3	29.9	31.0	32.1
A.	17.6	30.3	36.0	37.0	34.3	34.6	36.3	23.0	21.3	17.0	31.1	28.7	26.5
M.	26.5	35.5	35.5	34.9	33.9	40.7	43.0	43.3	34.2	24.2	33.2	35.2	37.0
J.	22.6	34.6	41.0	35.6	44.3	55.9	53.3	57.9	46.6	43.6	35.7	43.5	51.5
J.	40.1	52.3	56.8	66.2	55.5	43.3	46.8	44.3	39.7	40.7	54.1	48.6	42.9
A.	39.4	57.1	67.2	69.4	67.5	68.1	62.7	60.1	58.8	37.1	60.0	58.8	57.3
S.	47.0	69.6	68.3	62.9	58.9	55.9	59.6	58.9	56.6	37.3	61.4	57.5	53.8
O.	25.5	44.3	50.1	43.6	53.0	55.2	50.1	37.5	40.1	28.1	43.2	42.7	42.1
N.	22.0	26.6	30.6	28.3	27.6	30.0	24.6	25.6	23.6	20.0	27.1	25.9	24.8
D.	26.2	37.8	44.6	40.1	43.3	43.3	48.8	49.4	53.6	48.1	38.3	43.5	48.6
A.	27.5	39.9	45.2	44.6	45.8	46.3	45.8	43.2	41.7	32.2	40.6	41.2	41.8
N Y A M A T A.													
J.	37.4	50.3	64.2	79.4	82.3	83.2	70.0	62.3	54.5	49.7	62.6	63.3	63.9
F.	25.5	31.1	28.3	48.6	55.2	59.3	59.0	44.5	31.0	32.8	40.3	44.3	45.3
M.	17.4	29.7	33.6	38.4	48.1	47.7	54.8	52.3	43.2	36.1	33.4	40.2	46.8
A.	12.3	27.3	25.3	37.0	49.7	56.7	50.7	37.0	43.2	24.0	29.8	34.9	40.1
M.	31.1	47.4	47.7	47.7	44.8	52.6	59.0	41.0	46.1	47.4	45.6	47.5	49.3
J.	30.0	50.7	50.3	48.3	54.0	56.3	60.0	61.3	63.0	54.0	46.7	52.7	59.0
J.	46.1	63.2	77.4	70.0	73.6	61.6	57.7	63.9	67.1	55.8	66.0	63.7	61.2
A.	42.9	61.0	70.6	71.9	78.4	72.6	71.6	66.5	58.4	38.1	65.0	63.3	61.4
S.	61.3	83.3	86.7	88.3	75.0	71.7	72.3	70.3	65.7	45.0	79.0	71.9	65.0
O.	48.7	62.3	65.2	60.0	50.3	38.7	51.3	40.6	41.9	29.2	57.3	48.9	40.4
N.	11.0	26.7	43.0	37.3	37.0	48.3	47.0	35.0	34.0	39.3	31.0	34.8	38.8
D.	27.7	42.3	60.3	64.2	56.5	41.3	43.2	46.8	48.7	41.3	50.2	47.3	44.3
A.	32.6	48.0	54.4	57.6	58.7	57.5	58.0	51.8	48.8	41.1	50.6	44.7	38.8

MOIS

Heures antéméridiennes

RUBONA.

Heures postméridiennes

Intervalles.

	Heures antéméridiennes					Heures postméridiennes					Intervalles.		
	7 - 8	8 - 9	9 -10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	7 -12	7 -17	12-17
J.	51.0	59.4	74.0	67.5	72.0	71.7	65.9	63.6	56.8	44.3	7 -12	7 -17	12-17
F.	33.8	36.9	37.3	43.8	63.1	53.5	51.8	32.4	30.7	20.0	64.7	62.6	60.4
M.	19.4	30.0	36.5	37.5	37.1	43.9	43.9	49.4	42.3	26.8	43.0	40.3	37.7
A.	24.0	34.3	34.6	50.9	57.6	60.6	49.3	34.0	28.6	19.6	31.1	36.2	41.2
M.	36.2	37.8	43.3	50.4	49.1	64.6	61.4	57.2	42.3	36.5	40.3	39.4	38.5
J.	25.3	33.6	51.9	54.3	59.9	66.3	77.3	73.3	67.9	62.9	43.3	47.2	51.0
J.	47.8	55.5	65.9	75.3	70.7	63.3	59.8	63.0	67.8	60.4	44.5	57.0	69.6
A.	49.7	64.0	76.5	76.9	74.3	73.0	74.9	76.2	71.1	59.1	59.9	61.5	62.8
S.	63.3	75.9	79.9	85.2	80.6	76.9	69.6	64.9	59.9	53.9	68.2	69.7	71.1
O.	39.7	56.5	63.0	65.6	69.1	64.0	54.6	41.0	33.6	26.8	77.1	72.0	67.2
N.	18.3	26.6	34.0	38.3	47.0	53.3	56.3	48.0	38.3	33.0	58.7	51.7	44.6
D.	49.7	56.2	57.5	58.5	61.0	52.3	56.8	55.9	53.9	43.9	32.9	39.3	45.8
A.	38.2	47.2	54.5	58.3	61.8	61.9	60.1	54.9	50.3	40.6	56.5	54.6	52.5
											51.7	52.6	53.5
RWERERE - COLLINE													
J.	57.8	63.0	62.7	61.4	55.9	54.3	52.3	49.4	43.0	34.9	60.0	53.5	46.7
F.	25.2	36.9	37.6	35.5	33.5	31.7	26.2	24.8	20.0	11.4	33.7	28.3	22.8
M.	23.3	20.7	29.7	39.4	40.1	38.4	38.1	38.4	35.5	34.6	30.6	33.8	37.0
A.	30.6	40.3	44.6	42.3	33.3	40.0	26.6	28.0	24.0	7.3	38.3	31.7	25.2
M.	33.3	37.8	40.4	42.3	46.8	44.3	39.1	32.0	29.4	25.5	40.1	37.1	34.0
J.	41.6	39.6	37.6	39.6	35.3	41.0	39.3	43.6	34.6	37.0	38.8	38.9	39.1
J.	56.2	54.3	55.5	54.6	53.0	43.0	47.1	41.3	40.7	33.9	54.6	48.0	41.1
A.	50.1	54.3	66.9	61.7	54.3	50.1	51.3	50.4	52.0	40.7	57.3	53.2	48.8
S.	78.6	83.9	79.3	71.6	54.6	58.9	49.0	49.0	48.6	33.0	73.7	60.6	47.8
O.	45.2	46.2	50.7	49.4	42.6	39.4	35.5	1.3	33.3	19.7	46.8	40.3	33.8
N.	25.0	36.3	40.3	37.6	37.0	32.3	40.6	36.0	32.0	25.3	55.3	34.2	33.3
D.	51.0	62.3	70.1	55.2	43.0	41.0	46.8	56.2	50.4	50.1	56.2	52.6	48.8
A.	43.1	48.0	51.3	49.2	44.1	42.9	41.0	40.9	37.0	29.4	47.1	42.7	38.2

Z A Z A.

MOIS	Heures antéméridiennes					Heures postméridiennes					Intervalles.		
	7 - 8	8 - 9	9 -10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	7 -12	7 -17	17-12
J.	33.6	45.9	48.1	50.4	58.1	62.0	63.3	56.8	38.8	16.1	47.1	47.3	47.3
F.	25.9	26.6	24.5	33.5	38.6	33.8	30.7	25.7	24.5	20.0	29.8	28.4	27.0
M.	9.4	21.3	32.3	32.6	32.0	25.5	38.8	32.3	36.5	33.6	25.5	30.4	35.3
A.	10.3	27.6	35.6	32.0	37.3	50.6	35.6	34.0	25.6	26.3	28.6	31.5	34.5
M.	25.8	48.8	53.9	59.8	51.3	39.4	43.0	38.4	40.7	45.9	47.9	44.7	41.4
J.	21.6	48.0	54.6	52.6	49.6	49.0	62.3	53.9	54.9	44.0	45.3	49.1	52.9
J.	32.9	62.0	72.3	72.3	66.9	58.5	59.4	48.8	52.6	53.0	61.2	57.9	54.4
A.	16.7	44.3	52.3	50.6	54.6	53.3	48.0	44.3	52.6	33.3	43.8	45.0	46.3
S.	48.3	66.9	71.6	69.9	61.3	59.3	58.6	57.3	51.3	38.6	63.7	58.3	53.1
O.	36.8	54.9	62.0	57.5	45.5	36.2	36.2	37.5	33.6	31.7	51.3	43.2	35.0
N.	33.6	44.6	48.3	51.9	43.3	35.6	40.3	35.6	28.6	20.3	44.4	38.2	32.1
D.	48.5	57.5	52.3	54.6	39.1	47.1	56.5	55.9	39.1	31.0	50.3	48.1	45.9
A.	28.6	45.7	50.6	51.5	48.1	46.7	47.7	43.4	39.9	32.8	44.9	43.5	42.1

VII. - L'ÉVAPORATION.

A. - POUVOIR ÉVAPORANT DE L'AIR (au Piche sous-abri en cm^3).

Les données du pouvoir évaporant de l'air sont celles mesurées à l'évaporomètre piche du Type Casella avec bague Casella normale. L'épaisseur de la rondelle de buvard est de 0.2 mm environ.

Lettres conventionnelles.

- EV. = évaporation mensuelle ou annuelle
(EV)N = évaporation mensuelle ou annuelle calculées sur le plus grand nombre d'années au cours de la période 1954-1965.
EV-(EV)N = écart de EV à la normale (normale : moyenne de référence calculée sur le plus grand nombre d'années au cours de la période 1954-1965.)
EVA = maximum mensuel ou annuel de l'évaporation journalière.
Eva = minimum mensuel ou annuel de l'évaporation journalière.

B. - ÉVAPORATION D'UNE NAPPE D'EAU LIBRE EN MM.

C. - ÉVAPOTRANSPIRATION POTENTIELLE (EVp) ET ACTUELLE (Eva) D'UNE COUVERTURE DE PASPALUM NOTATUM EN MM.

A. - POUVOIR EVAPORANT DE L'AIR.

MOIS	EV	(EV)N	EV-(EV)N	EVA	EVa	EV	(EV)N	EV-(EV)N	EVA	EVa	EV	(EV)N	EV-(EV)N	EVA	EVa
BULENGE						BYIMANA					KARAMA-KILIMBI				
J.	88.0	-	-	4.6	1.3	78.6	-	-	4.4	1.0	93.4	-	-	5.4	1.2
F.	69.4	-	-	4.3	0.5	56.6	-	-	4.0	0.5	82.4	-	-	5.1	0.8
M.	68.6	-	-	3.5	1.1	59.5	-	-	3.2	0.8	77.1	-	-	4.3	0.8
A.	59.1	-	-	3.5	0.6	46.4	-	-	2.2	0.5	65.1	-	-	3.7	0.6
M.	74.7	-	-	4.0	0.8	58.3	-	-	2.9	1.0	91.6	-	-	4.6	1.5
J.	81.0	-	-	4.9	1.4	59.9	-	-	3.2	0.8	108.3	-	-	5.6	1.7
J.	145.2	-	-	7.2	2.9	84.0	-	-	3.8	1.5	137.7	-	-	6.5	3.2
A.	242.3	-	-	9.2	5.5	132.6	-	-	5.6	2.7	197.8	-	-	7.7	4.4
S.	214.3	-	-	10.0	1.3	131.8	-	-	6.1	1.7	184.2	-	-	7.9	1.0
O.	136.9	-	-	8.8	1.1	105.9	-	-	5.4	0.9	117.1	-	-	7.0	0.8
N.	62.9	-	-	4.7	0.8	54.5	-	-	3.3	0.6	58.3	-	-	3.9	0.5
D.	83.9	-	-	4.8	0.8	78.6	-	-	4.8	0.7	84.2	-	-	4.5	0.5
A.	1326.3	-	-	10.0	0.6	946.7	-	-	6.1	0.5	1297.2	-	-	7.9	0.5
KARAMA-PLATEAU (6)						KIGALI (10)					MULINDI				
J.	102.6	115.4	-12.8	6.2	1.3	112.6	121.6	-9.0	7.5	1.3	60.8	-	-	3.6	0.9
F.	84.5	95.3	-10.8	5.7	0.7	63.6	95.8	-32.2	5.2	0.2	42.5	-	-	2.8	0.4
M.	74.4	90.1	-15.7	4.0	0.7	72.8	97.2	-24.4	4.3	0.8	50.0	-	-	2.6	0.7
A.	64.0	81.5	-17.5	4.1	0.7	56.0	73.0	-17.0	4.4	0.5	38.1	-	-	2.1	0.6
M.	96.1	104.8	-8.7	5.1	1.4	65.8	84.4	-18.6	3.7	0.3	37.3	-	-	2.3	0.4
J.	115.6	154.4	-38.8	6.3	1.8	81.0	129.3	-48.3	4.6	0.3	41.6	-	-	2.6	0.5
J.	162.9	215.6	-52.7	7.0	3.5	113.2	175.3	-62.1	4.9	2.1	-	-	-	-	-
A.	227.5	229.0	-1.5	6.0	5.0	167.7	190.4	-22.7	7.6	3.4	71.6	-	-	3.3	1.3
S.	214.1	178.7	+35.4	8.9	0.8	-	-	-	-	-	68.7	-	-	3.3	0.8
O.	128.9	131.2	-2.3	8.4	1.1	-	-	-	-	-	57.7	-	-	3.7	0.3
N.	56.8	80.5	-23.7	4.3	0.4	56.5	94.4	-37.9	5.5	0.1	-	-	-	-	-
D.	88.7	96.7	-8.0	5.2	0.6	-	-	-	-	-	72.5	-	-	3.5	1.6
A.	1416.1	1573.2	-157.1	9.0	0.4	-	-	-	-	-	-	-	-	-	-

MOIS	NYAMATA					RUBONA (I1)					RWERERE - COLLINE (7)				
	EV	(EV)N	EV-(EV)N	EVA	EVA	EV	(EV)N	EV-(EV)N	EVA	EVA	EV	(EV)N	EV-(EV)N	EVA	EVA
J.	84.2	-	-	4.6	I.3	103.4	103.6	-0.2	5.1	I.5	102.0	104.8	-2.8	6.3	I.3
F.	63.4	-	-	4.3	0.5	72.5	91.2	-18.7	4.7	0.6	54.4	82.2	-27.8	3.8	0.4
M.	68.3	-	-	3.5	I.I	66.5	90.5	-24.0	3.8	I.0	60.5	73.7	-13.2	3.4	0.9
A.	56.2	-	-	3.5	0.6	55.7	68.7	-13.0	3.7	0.5	43.4	50.1	-6.7	2.6	0.5
M.	75.6	-	-	4.0	0.8	78.5	86.6	-8.1	4.5	0.6	40.8	51.6	-10.8	3.0	0.5
J.	82.8	-	-	4.9	I.4	91.7	140.4	-48.7	5.1	I.2	48.4	84.7	-36.3	3.0	0.8
J.	128.8	-	-	7.2	2.9	145.1	199.7	-54.6	6.5	2.4	87.5	123.5	-36.0	5.4	I.I
A.	191.7	-	-	9.2	5.5	223.4	219.1	+4.3	8.8	4.6	124.8	134.6	-9.8	6.2	2.0
S.	214.0	-	-	10.0	I.3	199.3	173.3	+26.0	10.9	2.0	122.0	101.8	+20.2	6.1	I.8
O.	140.4	-	-	8.8	I.I	126.2	125.8	+0.4	8.0	0.6	100.3	88.6	+11.7	5.6	I.2
N.	59.4	-	-	4.7	0.8	60.1	85.9	-25.8	3.8	0.7	58.9	64.6	-5.7	3.0	I.0
D.	88.9	-	-	4.8	0.8	98.0	91.0	+7.0	6.7	0.7	88.6	82.6	+6.0	5.1	0.8
A.	1253.7	-	-	10.0	0.5	1320.4	1484.3	-163.9	10.9	0.5	931.6	1043.1	-111.5	6.3	0.4

RWERERE-RUGEZI (7)

J.	80.8	75.3	+5.5	4.9	I.0
F.	48.4	61.1	-12.7	3.9	0.3
M.	57.5	59.7	-2.2	3.4	0.6
A.	48.1	47.9	+0.2	5.3	0.5
M.	54.8	53.5	+1.3	3.8	0.7
J.	56.6	72.2	-15.7	3.0	0.9
J.	68.5	86.4	-17.9	3.9	I.0
A.	87.0	92.2	-5.2	7.1	I.7
S.	93.4	87.8	+5.6	4.1	0.3
O.	77.9	69.6	+8.3	4.4	0.9
N.	63.6	58.3	+5.3	4.9	0.9
D.	88.0	68.6	+19.4	5.8	0.5
J.	124.5	832.7	-8.2	7.1	0.3

B. EVAPORATION D'UNE NAPPE D'EAU LIBRE.
(EN MILLIMÈTRE)

a. TOTAUX MENSUELS ET ANNUELS.

	J.	F.	M.	A.	M.	J.	J.	A.	S.	O.	N.	D.	A.
KARAMA-KILIMBI	118	96	110	98	116	110	92	134	151	117	101	101	1344
KARAMA-PLATEAU	104	102	114	98	113	111	123	147	162	104	105	107	1493
RUBONA	165	110	140	109	120	138	142	188	177	132	127	129	1677

b. MOYENNES JOURNALIÈRES MENSUELLES ET ANNUELLES.

KARAMA-KILIMBI	3.8	3.3	3.5	3.3	3.7	3.7	3.0	4.3	5.0	3.8	3.4	3.3	3.7
KARAMA-PLATEAU	3.4	3.5	3.7	3.3	3.6	3.7	4.0	4.7	5.4	3.3	3.5	3.5	4.0
RUBONA	5.3	3.8	4.5	4.0	3.9	4.6	4.6	6.1	5.9	4.3	4.2	4.2	4.6

C. EVAPOTRANSPIRATION POTENTIELLE (EVp.) ET ACTUELLE (EVa.) D'UNE COUVERTURE DE PASPALUM NOTATUM

(EN MILLIMETRES)

a. TOTAUX MENSUELS ET ANNUELS

		J.	F.	M.	A.	M.	J.	J.	A.	S.	O.	N.	D.	A.
KARAMA-PLATEAU	EVp.	105	113	99	90	115	92	105	126	133	166	87	98	1333
	EVa.	78	102	74	72	44	41	6	0	31	78	78	18	622
RUBONA	EVp.	121	110	102	136	89	87	99	120	122	127	110	96	1319
	EVa.	73	76	93	119	76	65	2	0	38	98	97	27	764

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KARAMA-PLATEAU	EVp.	3.4.	3.9	3.2.	3.0	3.7	3.1	3.6.	4.1	4.4	5.3	2.9	3.2	3.6
	EVa.	2.5	3.5	2.4	2.4	1.4	1.4	0.2	0.0	1.0	2.5	2.6	0.6	1.7
RUBONA	EVp.	3.9	3.8	3.3	4.5	2.8	2.9	3.2	3.9	4.1	4.1	3.7	3.1	3.6
	EVa.	2.3	2.6	3.0	4.0	2.4	2.2	0.1	0.0	1.2	3.2	3.2	0.9	2.1