

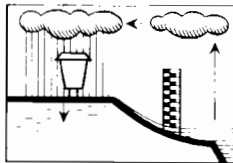
RÉPUBLIQUE TOGOLAISE

MINISTÈRE DES MINES,
DE L'ÉNERGIE, DES RESSOURCES HYDRAULIQUES
ET DES TRAVAUX PUBLICS

DIRECTION DE L'ÉNERGIE
ET DES RESSOURCES HYDRAULIQUES

ANNALES HYDROLOGIQUES DU TOGO

DE L'ANNÉE 1971 A L'ANNÉE 1979

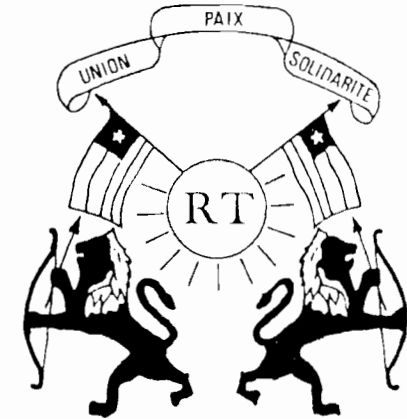


OFFICE DE LA RECHERCHE SCIENTIFIQUE ET TECHNIQUE OUTRE-MER

BUREAU CENTRAL HYDROLOGIQUE - PARIS

CENTRE O.R.S.T.O.M. DE LOMÉ (TOGO)

Convention TOGO-ORSTOM
du 26.01.73



Janvier 1983

RÉPUBLIQUE TOGOLAISE

MINISTÈRE DES MINES,
DE L'ÉNERGIE, DES RESSOURCES HYDRAULIQUES
ET DES TRAVAUX PUBLICS

DIRECTION DE L'ÉNERGIE
ET DES RESSOURCES HYDRAULIQUES

ANNALES HYDROLOGIQUES DU TOGO

DE L'ANNÉE 1971 A L'ANNÉE 1979

OFFICE DE LA RECHERCHE SCIENTIFIQUE ET TECHNIQUE OUTRE-MER

BUREAU CENTRAL HYDROLOGIQUE - PARIS

CENTRE O.R.S.T.O.M. DE LOMÉ (TOGO)

ISBN : 27099-0672-4

ANNALES HYDROLOGIQUES DU TOGO
de l'année 1971 à l'année 1979

SOMMAIRE

- Introduction	2
- Présentation des données fournies dans ces annales	3

BASSIN DE LA VOLTA

*- L'OTI A MANDOURI	4
- L'OTI A MANGO	10
- LA KARA A KPESSIDE	16
- LA KARA A LAMA-KARA	22
*- LA KARA A N'NABOUI	28
*- LA KERAN A NABOULGOU	33
- LA KERAN A TITIRA	39
*- LA KOIMEPOUARBAGA A NAGBENI	45
- LA KOUMANGOU A KOUMANGOU	51
- LE MO A BONGOULOU	57
*- LE SANSARGOU A BORGOU	63
*- LE KOUFENI A NABOULGOU	69
*- LA KPAYA A ATCHANGBADE	75
- LE KPELOU A KPESSIDE	81
*- LE LAKTAON A BARKOISSI	87
*- LE YAWENI A PAIO	93

BASSINS VERSANTS COTIERS

*- LE HAHO A GATI	99
- LE SIO A KPEDJI	105
*- LE SIO A TOGBLEKOPE	111

BASSIN DU MONO

- LE MONO A CORREKOPE	117
- LE MONO A DOTAIKOPE	123

- LE MONO A N'GAMBOTO	129
- LE MONO A TETETOU	135
*- L'AMOU A AMOU-OBLO	141
*- L'AMOU A GLEI	147
- L'ANIE A BLITTA-GARE	153
- L'ANIE A ANIE PONT C.F.T.	159
*- LE CHRA A WAHALA (ex CHRA)	165
*- LE NA A PARATAO	171
*- L'OGOUE A SIRKA	177
*- L'AMOUTCHOU A EBEVA	183

* Stations contrôlées par la Direction de
l'Hydraulique

INTRODUCTION

Le réseau hydrométrique de base du TOGO est constitué de 50 stations régulièrement réparties sur l'ensemble du territoire, exception faite, toutefois, de la zone située entre les parallèles 8° et 9°. Cette zone, particulièrement peu peuplée a un réseau routier peu développé et les voies d'accès aux cours d'eau, indispensables à l'installation de stations hydrométriques, sont rares.

Par l'Avenant n° 1 du 16 octobre 1974 à la Convention du 26 janvier 1973 pour le contrôle et l'exploitation des stations hydrométriques du Togo, 28 stations du réseau de base sont gérées par l'Administration Togolaise (la Division de l'Hydrologie de la Direction de l'Hydraulique et de l'Energie) et les 22 autres par la Section Hydrologie du Centre ORSTOM de LOME.

Si on écarte les stations situées sur les eaux dormantes, la répartition des stations selon la superficie des bassins contrôlés se présente comme suit :

S (km ²)	F (%)
100	4,9
320	22,0
1 000	48,8
3 200	70,7
10 000	90,2
32 000	97,2
38 000	100,0

S = superficie du bassin versant

F = fréquence au non dépassement.

On constate que les bassins contrôlés sont généralement de petites tailles : près de la moitié, en effet, ont une superficie inférieure à 1 000 km², et 70 % une superficie inférieure à 3 200 km². Cette situation pose de sérieux problèmes pour l'exploitation du réseau.

En effet, les crues à ces stations étant rapides et brèves, il est difficile d'estimer correctement les variations de cotes à l'échelle à partir des 2 ou 3 relevés journaliers que peuvent assurer les lecteurs. Il est donc nécessaire et urgent d'équiper ces stations de limnigraphes si on veut avoir des données fiables.

Par ailleurs, l'étalonnage de ces stations exige l'immobilisation, pendant une période plus ou moins longue d'une brigade de

jaugeurs. Ce qui est souvent difficile compte tenu de la structure actuelle des services de l'Hydrologie et de leurs équipements. Un gros effort d'investissement reste donc à faire pour une meilleure exploitation du réseau.

Compte tenu des contraintes évoquées plus haut, 31 stations seulement du réseau de base ont été retenues pour l'élaboration des annales hydrologiques du TOGO de 1971 à 1979. Il s'agit des stations dont une partie au moins des données est utilisable. On a essayé en conséquence, pour chacune d'elles, de préciser qualitativement la confiance à accorder aux données publiées.

La présente publication complète les annales existantes, depuis la création des stations jusqu'à l'année hydrologique 1970-1971. C'est le fruit d'une coopération technique efficace entre les services de l'ORSTOM et ceux de la Direction de l'Hydraulique du Togo.

Les données hydrologiques publiées constituent un outil de travail important au niveau de l'élaboration de divers projets de développement économique et social du pays (aménagement hydro-agricoles, les travaux hydrauliques, le génie civil...).

Aussi estimons-nous que la présente publication répond bien au souci des Autorités Togolaises qui ont fait de la maîtrise de l'eau l'un des éléments essentiels du développement du pays.

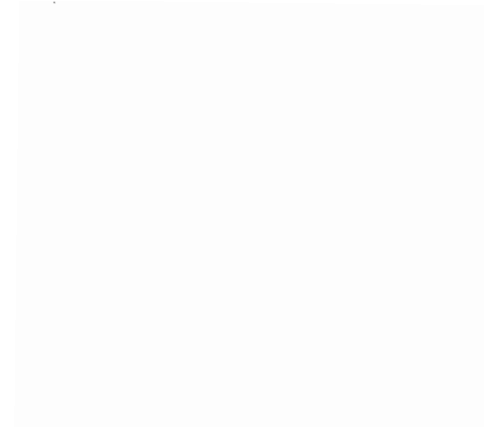
LE BARBE
Section Hydrologique
ORSTOM - Lomé

K. KATAKOU
Division Hydrologie
Direction de l'Hydraulique
Lomé

*PRÉSENTATION DES DONNÉES
FOURNIES DANS CES ANNALES*

Pour chacune des stations on trouvera :

- les principales caractéristiques de la station. Nous n'avons pas repris la description détaillée des caractéristiques du bassin versant qui ont déjà été publiées dans les précédentes annales auxquelles le lecteur pourra toujours se référer si nécessaire.
- des renseignements concernant le tarage de la station à savoir :
 - + le nombre de jaugeages effectués
 - + la plus haute cote jaugee
 - + le nombre de courbes d'étalonnage utilisé pour la période 71-79
 - + la dernière courbe d'étalonnage utilisée, mise sous forme numérique : la courbe d'étalonnage est représentée par une série de tronçons de parabole. Pour une hauteur H, compris entre les hauteurs H₁ et H₂ délimitant un tronçon de parabole le débit Q(H) se calcule par la formule :
$$Q(H) = C_1(H - H_1)^2 + C_2(H - H_1) + C_3$$
C₁, C₂ et C₃ étant les coefficients du tronçon de parabole délimité par les hauteurs H₁ et H₂.
- un inventaire des données disponibles.
- les tableaux des débits moyens journaliers des années 1971 à 1979, précédés d'un commentaire précisant la confiance à accorder aux valeurs de ces débits.



BASSIN DE LA VOLTA

GENERALITES :

- Superficie du bassin versant : 29 100 km²
- Coordonnées de la station : 10°50'N - 0°51'E
- Cote du zéro de l'échelle : 126.85 (IGN)
- Amplitude de l'échelle : -0,50 m à 10 m
- Accès : -Piste Dapaong-Borgou-Mandouri
-accès difficile en hivernage
- Date de création : 30.01.59
- Cadence des relevés : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 56
- Maximum jaugeé : H = 7.24 m
Q = 562 m³/s
Date = 29.08.63
- Nombre de tarages utilisés pour la période 71-79 : 6
- Dernière courbe d'étalonnage utilisée :
. valide du 1.09.78 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
-0,50 A -0,30	0.0	0.0	0.0
-0,30 A -0,10	6.0000	0.2000	0.0
-0,10 A 0,30	13.000	1.6000	0.280
0,30 A 0,70	6.3750	12.325	3.00
0,70 A 1,50	16.792	14 129	8.95
1,50 A 3,50	5.0000	47.500	31.0
3,50 A 4,60	7.4555	67.253	146
4,60 A 6,00	10.204	88.571	229
6,00 A 9,00	7.5556	120.000	373

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1959	*	*	*	*	*	/	.	.	/	/	/	*
1960	*	*	*	*	*	*	/	.	/	/	/	*
1961	*	*	*	*	*	/	/	*
1962	*	*	*	*	*	/	/	.	.	/	.	/
1963	*	*	*	*	*	*	/	.	/	/	.	.
1964	.	.	/	/	/	/	/
1965	*	*	*
1966	/	.	/
1967	/	/
1968	.	.	.	/
1969	.	/
1970	.	.	.	/	/	/	/	/
1971	/	/	.	.	.	/	/	/	/	/	.	/
1972	.	/	/	/
1973	/	.	/	.	/
1974	.	.	/	*	/
1975	*	/	/	/	/	.	/	/	/	/	/	.
1976	/	/	/	/	/	/	/	.	/	/	.	.
1977	/	/	/	/	*	*
1978	/	/	*	/	/	/	.	*	*	*	*	*
1979	*	*	*	*	*	*	*	/	.	/	.	/

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

- SYMBOLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

La station étant très instable en basses eaux, les débits inférieurs à 0,400 m³/s sont assez incertains puisque ceux-ci ont été calculés à partir de relevés de hauteurs d'eau et de courbes de tarage s'appuyant sur un nombre insuffisant de jaugeage.

	CEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	6.27	2.52	1.25	2.72	.055	4.56	7.47	81.5	454.	254.	24.9	5.77
2	6.11	2.52	1.15	1.22	.055	4.07	8.31	81.2	468.	243.	23.7	*
3	5.95	2.39	1.15	1.46	.055	3.51	8.50	86.1	459.	234.	22.2	*
4	5.79	2.39	1.15	.720	.055	3.29	8.12	96.7	446.	222.	20.8	*
5	5.79	2.26	1.15	.652	.055	3.19	*	115.	412.	209.	20.1	5.49
6	5.95	2.26	1.65	.590	.055	2.73	*	106.	405.	204.	18.8	5.35
7	6.11	2.12	1.05	.533	.055	2.39	*	96.4	399.	201.	17.5	5.21
8	6.11	2.12	1.05	.483	.047	2.20	8.21	89.6	*	197.	17.2	5.08
9	6.27	1.99	.960	.439	.167	*	7.65	87.0	*	*	16.4	4.95
10	6.43	*	.960	.400	.140	*	8.31	88.7	*	*	15.5	4.81
11	6.60	*	.560	.361	.116	1.89	10.8	*	399.	*	15.0	4.69
12	6.77	*	.560	.361	.094	2.84	24.0	*	420.	*	14.5	4.56
13	6.94	*	.874	.324	.084	6.25	28.7	169.	408.	*	13.7	4.43
14	4.10	1.86	.794	.288	.073	10.5	35.8	205.	407.	130.	13.0	4.31
15	3.97	1.86	.652	.255	.073	9.83	46.0	278.	405.	127.	12.5	4.19
16	3.97	1.73	.590	.223	.210	5.42	62.6	282.	405.	122.	12.1	4.07
17	3.84	1.73	.590	.194	1.36	5.01	88.4	286.	403.	109.	11.8	3.95
18	3.71	1.73	.533	.116	3.38	4.81	87.8	293.	402.	91.1	11.6	3.95
19	3.57	1.60	.533	.288	3.11	4.62	94.0	305.	401.	75.5	10.9	3.84
20	3.44	1.60	.533	.166	2.52	4.43	95.2	314.	401.	72.8	10.3	3.73
21	3.44	1.48	2.26	.166	1.60	4.31	100.	354.	414.	70.5	9.82	3.73
22	3.31	1.48	1.80	.140	1.60	4.13	117.	359.	406.	67.8	9.41	3.61
23	3.18	1.36	1.31	.140	1.48	3.90	118.	370.	402.	*	9.00	3.51
24	3.18	1.36	1.01	.116	1.48	3.67	119.	392.	394.	*	8.60	3.51
25	*	1.36	.834	.116	26.6	3.45	120.	402.	343.	39.7	8.21	3.40
26	*	1.25	.686	.094	18.6	5.08	122.	406.	331.	37.7	7.83	3.40
27	*	1.25	.562	.094	9.92	4.43	112.	404.	323.	35.1	7.65	3.29
28	*	1.25	.533	.054	6.69	5.08	107.	399.	308.	32.2	6.93	3.29
29	2.78	=	1.25	.073	4.48	20.4	95.8	399.	298.	30.5	6.25	3.19
30	2.65	=	.563	.073	13.8	9.71	89.6	405.	273.	28.3	5.92	3.19
31	2.52	=	.655	=	9.01	=	85.5	412.	=	26.4	=	3.09
MOY	*	*	.561	.430	3.42	*	*	*	*	*	13.4	*
DEBIT MINI				0.047		DATE 1ERE OBSERVATION				8 MAI		
DEBIT MAXI				468.		DATE 1ERE OBSERVATION				2 SEP		

STATION NUMERO 47271103												STATION NUMERO 47271103														
ANNEE 1972						ANNEE 1973																				
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S														
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC			
1	3.09	1.26	*	0	.924	1.30	18.1	17.1	231.	320.	76.7	10.3	1	4.07	2.57	*	.328	.780	.844	12.9	148.	212.	165.	22.2	4.81	
2	2.99	1.26	*	0	.855	1.26	17.1	18.0	226.	314.	61.3	10.0	2	4.01	2.57	*	.518	.718	.629	11.6	270.	206.	161.	21.9	4.69	
3	2.88	1.26	*	0	.631	1.22	13.5	16.8	222.	303.	49.0	9.61	3	3.95	2.47	*	.60E	.600	.518	10.5	241.	199.	155.	20.5	4.69	
4	2.78	1.18	*	0	.405	4.75	16.8	15.8	218.	298.	42.2	9.10	4	3.95	2.37	*	.53E	.600	.479	8.91	245.	195.	150.	19.4	4.69	
5	2.68	1.18	*	0	.255	7.93	19.9	15.4	220.	292.	39.0	8.60	5	3.84	2.37	*	1.27	.558	.442	7.84	255.	193.	144.	18.8	4.56	
6	2.58	1.18	*	0	.210	5.28	24.6	15.5	226.	290.	35.1	8.41	6	3.73	2.28	*	2.14	.618	.407	6.26	260.	191.	142.	18.5	4.56	
7	2.49	1.18	*	0	.179	3.45	41.5	16.9	232.	282.	33.9	8.31	7	3.61	2.28	.780	1.96	.374	.852	5.08	268.	189.	140.	17.5	4.43	
8	2.49	1.18	*	0	.149	3.19	29.2	16.8	241.	273.	31.5	7.93	8	3.51	2.09	.600	1.61	*	4.86	29.4	259.	188.	138.	16.9	4.43	
9	2.39	*	*	0	11.2	2.82	28.7	16.2	244.	260.	29.6	7.56	9	3.40	2.09	.600	1.41	*	5.70	31.5	241.	186.	136.	16.4	4.43	
10	2.39	*	*	0	14.8	2.62	36.3	15.4	249.	254.	27.4	*	10	3.29	2.00	.600	1.30	*	4.38	28.7	273.	184.	133.	16.1	4.31	
11	2.30	1.11	*	0	7.66	2.52	34.8	14.5	255.	250.	24.7	*	11	3.19	1.91	.558	1.11	.343	3.40	21.2	330.	183.	129.	15.8	4.31	
12	2.20	1.11	*	0	.995	2.32	32.9	23.7	258.	247.	22.2	*	12	3.73	1.82	.558	.878	.343	2.93	15.1	402.	181.	124.	15.5	4.19	
13	2.20	1.11	*	0	.924	2.57	27.0	64.7	260.	243.	20.8	6.58	13	4.57	1.82	.558	.579	.343	2.42	15.2	452.	185.	119.	15.0	4.19	
14	2.11	*	*	0	.855	3.30	57.3	82.1	264.	236.	19.1	6.41	14	6.33	1.74	.518	.538	.343	2.93	10.9	507.	188.	115.	14.0	3.95	
15	2.11	*	*	0	.789	10.8	50.8	108.	286.	228.	18.3	6.33	15	6.00	1.65	.518	.498	.343	11.6	10.0	544.	191.	85.0	11.1	3.84	
16	2.02	*	*	0	2.58	10.5	39.5	143.	295.	223.	17.8	6.00	16	5.70	1.74	.518	.461	.343	16.2	8.80	543.	194.	65.1	10.7	3.84	
17	2.02	*	.120	0	2.34	9.51	33.9	175.	337.	219.	17.1	5.92	17	5.49	1.65	.479	.442	.343	17.8	7.84	536.	196.	54.7	10.5	3.73	
18	1.93	*	.092	0	2.25	8.41	30.8	238.	383.	210.	16.2	5.63	18	5.21	1.45	.479	.425	.343	12.3	6.93	531.	199.	48.0	9.61	3.51	
19	1.93	*	.092	0	9.20	7.38	29.6	230.	390.	203.	15.4	5.63	19	4.69	1.34	.479	.442	.314	10.5	6.08	520.	201.	46.7	8.02	3.29	
20	1.84	*	.066	0	4.64	6.58	27.9	216.	386.	194.	14.9	5.49	20	4.19	1.26	.442	.538	.314	8.51	5.42	494.	202.	45.2	8.02	3.19	
21	1.75	*	.066	0	2.68	6.00	24.1	173.	383.	187.	14.1	5.35	21	3.95	1.26	.442	.907	.286	7.38	4.82	476.	201.	43.4	7.28	3.09	
22	1.75	*	.040	16.3	2.49	7.15	21.3	188.	378.	173.	13.7	5.21	22	3.84	1.19	.442	1.53	.286	11.0	4.37	442.	198.	42.2	7.11	3.09	
23	1.67	*	.040	12.3	1.69	6.93	18.8	214.	366.	166.	13.3	5.08	23	3.73	1.19	.407	1.11	.286	8.70	5.37	383.	195.	40.5	6.93	2.98	
24	1.67	*	.016	8.21	1.22	7.84	18.3	246.	361.	163.	12.9	4.95	24	3.51	1.11	.407	.976	.226	7.74	7.47	312.	191.	39.7	6.25	2.77	
25	1.58	*	.016	5.26	2.16	8.60	17.2	269.	356.	160.	12.4	4.81	25	3.29	1.11	.374	.876	.214	6.59	9.55	283.	188.	39.2	5.77	2.67	
26	1.50	*	.016	2.64	2.58	32.3	16.2	295.	351.	157.	11.9	4.69	26	3.19	1.04	.374	1.15	.214	5.15	23.9	265.	186.	37.5	5.49	2.47	
27	1.50	*	0	1.55	2.44	15.3	16.7	291.	343.	153.	11.5	4.56	27	3.09	1.04	.343	1.57	.193	5.57	81.8	261.	181.	35.1	5.21	2.37	
28	1.42	*	0	1.07	2.25	16.2	23.2	283.	337.	151.	11.0	4.43	28	2.98	1.04	.343	1.22	.174	11.4	80.6	246.	180.	33.9	5.21	2.28	
29	1.42	*	0	1.03	2.02	9.72	21.5	270.	332.	148.	10.7	4.31	29	2.86	=	.314	.910	1.04	21.3	77.2	229.	173.	32.0	4.95	2.28	
30	1.34	=	0	.959	1.67	11.9	19.0	237.	326.	107.	10.5	4.31	30	2.77	=	.314	.844	.600	19.8	82.1	224.	168.	30.5	4.81	2.18	
31	1.26	=	0	=	1.42	=	17.5	233.	=	92.5	=	4.19	31	*	=	.314	=	.976	=	95.8	217.	=	25.3	=	2.09	
MOY	2.07	*	*	1.67	2.74	7.32	26.6	134.	299.	219.	24.5	*	MOY	*	1.73	*	.957	*	7.08	23.7	344.	191.	86.9	12.2	3.61	
DEBIT MINI			0.0										DEBIT MINI			0.174										
DEBIT MAXI			390.										DEBIT MAXI			544.										

TOGO VOLTA OTI MANDOURI												TOGO VOLTA OTI MANDOURI														
STATION NUMERO 47271103												STATION NUMERO 47271103														
ANNEE 1974												ANNEE 1975														
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S														
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC			
1	2.00	.442	.286	*	.067	.608	13.5	193.	441.	613.	169.	.260	1	*	.260	*	.407	*	5.63	13.5	233.	211.	413.	184.	15.5	
2	1.91	.407	.286	*	.057	1.72	13.5	245.	457.	596.	161.	*	2	*	*	*	.374	*	4.38	15.9	221.	226.	400.	175.	15.0	
3	1.82	.407	.236	*	.057	4.45	13.5	265.	480.	561.	155.	*	3	*	*	*	.374	*	3.67	20.1	214.	240.	386.	165.	14.5	
4	1.74	.407	.236	*	.057	9.79	13.5	282.	499.	543.	148.	*	4	*	*	*	*	*	3.29	18.6	205.	263.	375.	157.	14.0	
5	1.74	.407	.236	*	.048	8.91	16.2	361.	552.	538.	141.	*	5	*	*	*	*	*	3.04	24.1	196.	295.	372.	148.	13.7	
6	1.65	.374	.214	*	.048	4.31	26.6	391.	611.	518.	131.	*	6	*	*	*	.314	*	2.57	43.3	213.	318.	365.	139.	13.5	
7	1.65	.374	.214	*	.048	1.80	32.2	479.	639.	502.	124.	*	7	*	*	*	.314	*	2.32	53.1	227.	347.	357.	131.	13.3	
8	1.57	.374	.193	*	.100	.916	29.4	530.	618.	497.	117.	*	8	*	*	*	.286	*	2.52	*	218.	341.	351.	124.	12.8	
9	1.57	.374	.193	*	.077	5.30	20.8	597.	602.	475.	114.	*	9	*	*	*	.286	*	6.23	*	198.	323.	344.	*	12.3	
10	1.49	.343	.174	*	.067	10.3	17.3	528.	583.	470.	113.	*	10	*	*	*	.343	*	6.41	76.7	194.	317.	337.	*	11.6	
11	1.49	.343	.174	*	.057	13.5	14.6	494.	611.	453.	102.	*	11	*	*	*	.343	*	5.71	98.5	188.	312.	330.	99.4	10.9	
12	1.41	.343	.157	*	.048	12.8	14.5	406.	639.	435.	93.1	*	12	*	*	.558	.314	*	4.88	91.7	172.	294.	321.	94.0	10.7	
13	1.41	.343	.157	*	.048	9.75	28.4	363.	661.	422.	86.7	*	13	*	*	.518	.314	*	4.07	105.	170.	287.	313.	87.5	10.3	
14	1.34	.343	.142	*	.174	5.43	46.8	327.	703.	412.	80.4	*	14	*	*	.518	.286	*	3.62	121.	160.	282.	304.	80.6	9.82	
15	1.34	.314	.142	*	.260	3.41	59.2	373.	746.	402.	74.2	*	15	*	1.57	.479	.286	*	3.24	117.	148.	303.	304.	297.	73.9	9.41
16	1.34	.314	.129	*	.260	1.96	77.0	463.	763.	388.	67.5	*	16	*	1.49	.479	.286	*	2.00	126.	152.	326.	*	66.2	9.00	
17	1.26	.314	.118	*	.260	1.30	102.	532.	776.	367.	61.0	*	17	*	1.49	.442	.260	.260	1.65	174.	155.	355.	*	58.1	8.80	
18	1.26	.314	.118	*	.600	.976	114.	639.	799.	347.	56.5	*	18	*	1.41	.442	.260	.314	1.41	179.	*	369.	277.	49.8	8.60	
19	1.19	.314	.108	*	.718	.719	110.	658.	801.	332.	47.8	*	19	*	1.41	.407	.314	.443	1.30	181.	*	269.	43.7	8.41		
20	1.11	.314	.100	*	.909	.518	107.	701.	801.	317.	39.2	*	20	*	1.34	.407	.314	.847	1.34	167.	172.	405.	263.	37.3	8.21	
21	1.04	.314	*	*	1.11	.442	104.	734.	801.	301.	32.7	*	21	*	1.34	.374	.286	1.22	1.70	173.	167.	432.	256.	34.3	8.02	
22	.976	.286	*	*	1.41	.407	101.	706.	791.	287.	27.5	*	22	*	1.26	.374	.286	.576	1.87	181.	161.	440.	250.	29.6	7.83	
23	.909	.286	*	*	2.40	.374	94.6	678.	767.	275.	22.5	*	23	*	1.26	.343	.260	2.88	1.78	186.	143.	465.	245.	25.7	7.65	
24	.844	.286	*	*	5.02	.343	82.9	660.	698.	260.	18.2	*	24	*	1.19	.343	*	3.51	1.95	206.	149.	486.	239.	22.2	7.47	
25	.780	.286	*	*	9.43	.300	94.6	643.	661.	242.	15.0	*	25	*	1.11	.314	*	3.51	1.82	248.	154.	495.	233.	19.1	7.28	
26	.718	.286	*	*	6.80	.260	113.	613.	654.	229.	13.5	*	26	*	1.11	.314	*	3.40	2.20	266.	156.	487.	228.	17.5	7.11	
27	.658	.286	*	*	4.31	.260	135.	553.	646.	217.	12.5	*	27	*	1.04	.314	*	4.56	3.67	256.	165.	471.	221.	16.9	6.75	
28	.600	.286	*	*	2.84	.260	168.	517.	643.	207.	11.6	*	28	*	.976	.286	*	4.19	5.32	235.	164.	452.	214.	16.4	6.58	
29	.558	=	*	*	1.49	.780	181.	501.	642.	196.	10.7	*	29	*	=	.286	*	4.43	8.04	256.	165.	434.	207.	16.1	6.58	
30	.518	=	*	*	1.12	1.38	170.	487.	631.	185.	9.82	*	30	*	=	.407	*	4.95	10.6	252.	171.	423.	198.	15.8	6.41	
31	.479	=	*	=	.844	=	152.	437.	=	178.	=	.260	31	*	=	.407	=	5.28	=	233.	181.	=	190.	=	6.41	
MOY	1.24	.336	*	*	1.31	3.44	73.1	495.	657.	379.	75.1	*	MOY	*	*	*	*	*	3.61	*	*	*	*	*	9.94	
	DEBIT MINI			0.04€		DATE 1ERE RESERVATION				5 MAI				DEBIT MINI			0.260		DATE 1ERE RESERVATION					1 FEV		
	DEBIT MAXI			801.		DATE 1ERE RESERVATION				19 SEP				DEBIT MAXI			495.		DATE 1ERE RESERVATION					25 SEP		

	STATION NUMERO 47271103											
	ANNEE 1976											
	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	6.25	2.86	1.57	.260	*	4.31	11.6	18.0	159.	104.	134.	14.7
2	6.08	2.88	1.26	*	*	3.95	10.9	17.7	156.	101.	129.	14.7
3	5.92	2.77	1.26	*	*	3.51	10.5	17.4	152.	97.6	126.	14.7
4	5.77	2.77	1.19	*	*	3.03	9.93	17.1	147.	94.0	122.	14.7
5	5.63	2.67	1.19	*	.260	5.35	9.30	18.0	142.	89.9	119.	14.7
6	5.49	2.57	1.11	*	.767	5.71	9.03	19.8	136.	85.5	115.	14.7
7	5.35	2.57	1.11	*	2.22	9.84	13.5	19.9	131.	79.8	113.	14.5
8	5.21	2.47	1.04	*	4.29	10.1	13.5	19.6	127.	74.7	112.	14.2
9	5.08	2.37	1.04	*	5.97	8.41	13.3	19.3	129.	69.7	109.	13.3
10	4.95	2.28	.976	*	10.5	11.5	11.6	18.6	142.	81.0	105.	12.7
11	*	2.18	.976	*	8.52	.260	10.4	18.3	140.	99.1	101.	12.2
12	*	2.09	.909	*	5.75	*	10.3	18.0	135.	110.	96.4	12.0
13	*	2.09	.844	*	3.58	*	9.83	17.7	130.	*	91.9	11.6
14	4.43	2.00	.780	*	2.82	*	9.30	22.1	126.	*	87.8	11.3
15	4.31	2.00	.718	*	2.05	18.0	8.80	30.9	121.	140.	84.9	10.9
16	4.19	2.00	.658	*	4.36	26.6	8.41	55.5	117.	129.	81.5	10.5
17	4.19	1.91	.658	*	8.54	21.0	9.53	75.6	113.	141.	77.0	10.2
18	4.07	1.91	.600	*	13.0	24.2	13.1	107.	110.	143.	71.9	9.86
19	3.95	1.91	.600	*	10.2	29.2	*	83.8	106.	*	66.4	9.70
20	3.95	1.82	.558	*	7.84	28.3	*	123.	102.	*	60.8	9.39
21	3.84	1.82	.558	*	6.25	24.5	*	131.	97.6	*	61.3	9.09
22	3.73	*	.518	*	5.22	21.3	26.6	130.	107.	158.	52.4	8.95
23	3.61	*	.518	*	3.96	18.0	25.5	126.	*	165.	47.7	8.78
24	3.51	1.65	.479	*	4.26	15.1	24.1	123.	113.	168.	42.2	8.60
25	3.40	1.65	.442	*	6.35	13.5	23.0	136.	111.	173.	37.3	8.43
26	3.29	1.57	.407	*	4.26	13.5	24.7	149.	107.	172.	32.2	8.26
27	3.29	1.49	.374	*	2.98	13.5	24.3	143.	104.	166.	27.3	7.93
28	3.19	1.41	.343	*	1.88	13.5	22.2	141.	99.4	158.	23.0	7.60
29	3.09	1.34	.314	*	4.54	13.5	20.5	147.	107.	151.	19.3	7.27
30	2.98	=	*	*	7.58	13.5	19.4	150.	106.	144.	16.1	6.95
31	2.98	=	*	=	5.36	=	18.5	158.	=	137.	=	6.79
MOY	*	*	*	*	*	*	*	73.3	*	*	78.7	10.9
DEBIT MINI				0.260								
DEBIT MAXI				173.								
DATE IERE OBSERVATION								1 AVR				
DATE IERE OBSERVATION												25 OCT

	STATION NUMERO 47271103											
	ANNEE 1977											
	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	6.64	*	.812	*	.025	1.09	8.44	95.2	301.	223.	*	*
2	6.48	*	.812	*	.018	2.76	10.7	101.	313.	214.	*	*
3	6.33	*	.759	*	.011	5.57	14.6	105.	312.	201.	*	*
4	6.17	2.22	.759	*	.006	7.36	14.7	107.	301.	188.	*	*
5	6.02	2.12	.708	*	.003	9.00	14.7	111.	291.	178.	*	*
6	5.87	2.12	.659	*	0	9.63	14.7	114.	297.	166.	*	*
7	5.72	2.03	.613	*	0	7.60	13.8	124.	309.	155.	*	*
8	5.57	1.93	*	*	0	6.95	20.5	132.	328.	143.	*	*
9	5.43	1.93	*	*	0	5.58	30.4	136.	344.	133.	*	*
10	5.28	1.84	.451	*	0	4.03	30.6	142.	356.	122.	*	*
11	4.99	1.75	*	*	0	3.13	30.0	147.	367.	114.	*	*
12	4.85	1.66	*	*	0	2.28	42.2	147.	373.	113.	*	*
13	4.71	1.57	*	*	0	4.66	51.1	146.	388.	106.	*	*
14	4.57	1.57	*	*	0	7.77	114.	144.	408.	97.0	*	*
15	4.43	1.49	*	*	0	10.8	114.	144.	410.	87.8	*	*
16	4.30	1.41	*	*	0	12.2	67.3	150.	403.	82.1	*	*
17	4.23	1.41	*	*	0	15.6	78.9	159.	381.	72.8	*	*
18	4.09	1.34	*	*	0	19.7	82.6	166.	373.	64.5	*	*
19	4.03	1.34	*	*	0	28.1	87.8	175.	359.	57.3	*	*
20	3.89	1.26	*	*	0	26.2	93.4	185.	348.	52.9	*	*
21	3.83	1.26	*	*	0	21.3	107.	198.	332.	47.7	*	*
22	3.76	1.19	*	*	0	15.7	110.	218.	317.	42.7	*	*
23	3.63	1.12	*	*	0	12.9	108.	224.	292.	39.2	*	*
24	3.57	1.12	*	*	0	11.5	103.	221.	272.	35.1	*	*
25	3.50	1.05	*	*	.529	9.71	109.	223.	252.	30.8	*	*
26	3.38	.989	*	.067	.529	8.35	114.	235.	240.	26.8	*	*
27	3.31	.928	*	.054	.451	7.11	114.	244.	241.	22.5	*	*
28	3.25	.869	*	.043	.456	5.87	110.	255.	243.	20.1	*	*
29	3.12	=	*	.043	.456	4.85	103.	263.	237.	17.8	*	*
30	2.72	=	*	.034	.423	6.19	97.6	266.	231.	15.9	*	*
31	*	=	*	=	.423	=	93.7	282.	=	14.4	=	*
MOY	*	*	*	*	.109	9.78	67.8	173.	321.	93.0	*	*
DEBIT MINI				0.0								
DEBIT MAXI				410.								
DATE IERE OBSERVATION												6 MAI
DATE IERE OBSERVATION												15 SEP

TOGO VCLTA CTI MANDOURI
STATION NUMERO 47271103
ANNEE 1978

TOGO VCLTA CTI MANDOURI
STATION NUMERO 47271103
ANNEE 1979

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	*	.343	*	*	.629	*	8.70	*	*	*	*	*
2	*	.314	*	*	.688	*	11.3	*	*	*	*	*
3	*	.314	*	*	.749	*	17.4	*	*	*	*	*
4	*	.286	*	*	.749	*	23.4	*	*	*	*	*
5	*	.260	*	*	.780	*	23.2	*	*	*	*	*
6	*	*	*	*	.812	*	21.7	*	*	*	*	*
7	*	*	*	*	.644	19.8	23.8	*	*	*	*	*
8	*	*	*	*	.844	18.8	45.0	*	*	*	*	*
9	*	*	*	*	.608	17.2	59.0	*	*	*	*	*
10	*	*	*	*	.538	17.3	73.3	*	*	*	*	*
11	*	*	*	*	.425	17.8	71.6	*	*	*	*	*
12	*	*	*	*	.260	24.4	85.2	*	*	*	*	*
13	*	*	*	1.12	.463	30.6	104.	*	*	*	*	*
14	*	*	*	1.08	.669	33.1	132.	*	*	*	*	*
15	*	*	*	.751	1.16	30.5	148.	*	*	*	*	*
16	*	*	*	.559	1.30	29.0	155.	*	*	*	*	*
17	*	*	*	.409	1.22	26.6	153.	*	*	*	*	*
18	*	*	*	.314	1.57	24.1	148.	*	*	*	*	*
19	*	*	*	.260	2.10	26.2	163.	*	*	*	*	*
20	*	*	*	*	3.41	25.7	191.	*	*	*	*	*
21	*	*	*	*	4.83	34.1	217.	*	*	*	*	*
22	*	*	*	*	6.85	32.0	234.	*	*	*	*	*
23	*	*	*	*	*	28.7	243.	*	*	*	*	*
24	*	*	*	*	*	25.1	239.	*	*	*	*	*
25	*	*	*	*	*	22.1	248.	*	*	*	*	*
26	*	*	*	.479	*	18.6	263.	*	*	*	*	*
27	.407	*	*	.518	*	16.2	284.	*	*	*	*	*
28	.407	*	*	.538	*	14.0	314.	*	*	*	*	*
29	.374	=	*	.558	*	12.5	347.	*	*	*	*	*
30	.374	=	*	.600	*	10.0	343.	*	*	*	*	*
31	.343	=	*	=	*	=	335.	*	=	*	=	*

1	*	*	*	*	*	*	*	*	*	*	*	*	364.	262.	60.8	5.72	
2	*	*	*	*	*	*	*	*	*	*	*	*	344.	262.	60.8	5.72	
3	*	*	*	*	*	*	*	*	*	*	*	*	344.	262.	60.8	4.30	
4	*	*	*	*	*	*	*	*	*	*	*	*	344.	260.	60.8	4.30	
5	*	*	*	*	*	*	*	*	*	*	*	*	344.	256.	60.8	4.30	
6	*	*	*	*	*	*	*	*	*	*	*	*	339.	256.	60.8	4.30	
7	*	*	*	*	*	*	*	*	*	*	*	*	330.	256.	53.4	4.30	
8	*	*	*	*	*	*	*	*	*	*	*	*	330.	256.	40.7	4.30	
9	*	*	*	*	*	*	*	*	*	*	*	*	339.	256.	33.4	4.03	
10	*	*	*	*	*	*	*	*	*	*	*	*	339.	256.	31.5	4.03	
11	*	*	*	*	*	*	*	*	*	*	*	*	339.	254.	31.0	4.03	
12	*	*	*	*	*	*	*	*	*	*	*	*	412.	339.	254.	31.0	4.03
13	*	*	*	*	*	*	*	*	*	*	*	*	423.	339.	240.	23.8	4.03
14	*	*	*	*	*	*	*	*	*	*	*	*	423.	339.	238.	21.2	2.43
15	*	*	*	*	*	*	*	*	*	*	*	*	429.	333.	225.	21.2	2.43
16	*	*	*	*	*	*	*	*	*	*	*	*	461.	325.	221.	21.2	1.49
17	*	*	*	*	*	*	*	*	*	*	*	*	442.	328.	213.	21.2	1.49
18	*	*	*	*	*	*	*	*	*	*	*	*	474.	328.	209.	21.2	*
19	*	*	*	*	*	*	*	*	*	*	*	*	448.	328.	193.	21.2	*
20	*	*	*	*	*	*	*	*	*	*	*	*	412.	328.	189.	21.2	*
21	*	*	*	*	*	*	*	*	*	*	*	*	420.	300.	167.	21.2	*
22	*	*	*	*	*	*	*	*	*	*	*	*	404.	298.	156.	21.2	*
23	*	*	*	*	*	*	*	*	*	*	*	*	391.	300.	123.	21.2	*
24	*	*	*	*	*	*	*	*	*	*	*	*	367.	290.	123.	13.5	*
25	*	*	*	*	*	*	*	*	*	*	*	*	367.	290.	110.	13.3	*
26	*	*	*	*	*	*	*	*	*	*	*	*	367.	290.	101.	13.3	*
27	*	*	*	*	*	*	*	*	*	*	*	*	367.	290.	72.2	13.5	*
28	*	*	*	*	*	*	*	*	*	*	*	*	367.	276.	68.9	13.3	*
29	*	*	*	*	*	*	*	*	*	*	*	*	388.	276.	61.3	13.3	*
30	*	*	*	*	*	*	*	*	*	*	*	*	388.	276.	61.3	13.3	*
31	*	*	*	*	*	*	*	*	*	*	*	*	388.	=	*	=	*

MOY * * * * * 152. * * * *

MOY * * * * * 321. * 30.5 *

DEBIT MINI 0.260 DATE IERE OBSERVATION 5 FEV

DEBIT MINI 1.45 DATE IERE OBSERVATION 16 DEC

DEBIT MAXI 347. DATE IERE OBSERVATION 29 JUL

DEBIT MAXI 474. DATE IERE OBSERVATION 18 AOU

GENERALITES :

- Superficie du bassin versant : 35 650 km²
- Coordonnées de la station : 10°18'N - 0°28'E
- Cote du zéro de l'échelle : 108.05 (IGN)
- Amplitude de l'échelle : -1 à 12 m
- Accès : Ancien pont de la route KANTE-MANGO
- Date de création : 02.04.1955
- Cadence des relevés : un relevé par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 111
- Maximum jaugé : H = 10.00 m
Q = 1315m³/s
Date = 06.10.1957
- Nombre de tarages utilisés pour la période 71-79 : 3
- Dernière courbe d'étalonnage utilisée :
. valide du 6.9.79 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
-0,50 A -0,22	0.0	0.0	0.0
-0,22 A -0,10	18.743	0.0009	0.0
-0,10 A 0,10	10.500	4.5500	0.270
0,10 A 0,50	17.500	8.7500	1.60
0,50 A 2,00	9.2444	23.867	7.90
2,00 A 4,00	7.9395	50 871	64.5
4,00 A 6,00	7.1428	80.714	198
6,00 A 8,00	10.989	108.02	388
8,00 A 9,00	39.048	144.95	648
9,00 A 10,00	173.33	274.67	832
10,00 A 11,07	100.51	593.39	1280

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1953	/	*	*	*	/	/
1954	/	*	*	*	*	/	/	/
1955	/	*	*	/
1956
1957
1958
1959
1960	.	.	/
1961	/
1962	/	/	.
1963	/	.	.	/	/	/	/	/	.	/	/	.
1964	/	/	/	/	/	/	/	.	/	/	/	/
1965
1966	.	.	.	/
1967	/	/	/
1968	.	.	.	/	.	/	/	/
1969	.	/	/	/	/	/	.	/	.	.	.	/
1970	/	.	/	.	.	/	/	.	.	/	/	/
1971	/	.	.	/	.	/	/	.	.	.	/	/
1972	/	*	/	/	.	.	.	/	/	/	/	/
1973	/	/	.	/	/	/	.	/	/	.	/	/
1974	.	.	.	/	.	/
1975	/	/
1976	/	/	.	/	/	/	/	.	.	.	/	/
1977	/	/	.
1978	/	/	.	/	/	/	/
1979	/	/	/	/

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TOGO VCLTA OTI MANGC
STATION NUMERO 47271106
ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

- COMMENTAIRES :

Station instable en basses eaux.

	CEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	10.8	5.96	2.60	4.00	1.16	15.8	*	107.	701.	486.	35.6	*
2	10.5	5.68	2.60	2.88	.833	14.0	*	116.	696.	442.	34.2	*
3	10.5	5.68	2.45	2.31	.737	13.4	*	113.	689.	406.	31.8	*
4	10.2	5.40	2.45	1.92	.728	11.7	*	115.	678.	354.	30.0	*
5	9.95	5.40	2.31	1.70	1.92	12.5	*	123.	683.	323.	28.7	*
6	9.66	5.12	2.31	1.70	2.60	11.4	*	130.	686.	302.	26.9	*
7	9.38	5.12	2.18	1.92	2.31	10.5	*	137.	686.	286.	25.2	*
8	9.09	4.84	2.18	2.05	1.81	9.38	*	133.	683.	272.	24.4	*
9	9.09	4.84	2.05	2.18	1.59	9.66	*	125.	681.	256.	22.3	*
10	8.80	4.84	2.05	2.18	1.70	9.38	*	119.	678.	240.	21.1	*
11	8.52	5.96	1.92	2.18	3.16	8.80	*	122.	675.	226.	*	*
12	8.52	5.68	1.92	2.05	3.72	7.66	*	143.	676.	205.	*	*
13	*	5.40	1.81	1.92	3.16	6.81	24.8	186.	679.	192.	*	*
14	8.23	5.12	1.81	1.81	2.45	5.96	30.0	233.	673.	174.	*	*
15	7.95	4.84	1.70	1.59	2.18	5.68	35.6	304.	670.	165.	*	*
16	7.66	4.56	1.59	1.31	2.18	5.40	42.4	345.	663.	154.	*	*
17	7.66	4.28	1.59	1.09	3.16	5.68	58.7	376.	667.	144.	*	*
18	7.66	4.00	1.59	.968	4.84	*	68.1	397.	668.	132.	*	*
19	7.38	4.00	1.70	.917	3.72	*	69.8	418.	670.	120.	*	*
20	7.38	3.72	1.59	.872	2.45	*	88.6	450.	671.	107.	*	*
21	7.10	3.72	1.49	.833	2.60	*	115.	484.	676.	96.7	*	*
22	7.10	3.44	1.40	.773	3.44	*	141.	515.	676.	86.8	*	*
23	6.81	3.44	1.31	.737	2.88	*	147.	541.	676.	77.7	*	*
24	6.81	3.16	1.31	.752	3.44	*	144.	571.	667.	70.3	*	*
25	6.53	3.16	1.23	.737	4.00	*	145.	605.	657.	63.6	*	*
26	6.53	2.88	1.23	.728	4.00	*	143.	656.	640.	59.2	*	*
27	6.25	2.88	1.16	*	4.56	*	138.	683.	613.	53.8	*	*
28	6.25	2.60	1.09	.917	8.80	*	131.	696.	585.	49.5	*	*
29	6.25	=	1.49	.968	13.7	*	115.	700.	557.	45.2	*	*
30	5.96	=	1.92	1.40	13.7	*	105.	700.	522.	37.5	*	*
31	5.96	=	3.16	=	14.0	=	101.	703.	=	36.1	=	11.1
MOY	*	4.49	1.85	*	3.92	*	*	356.	661.	183.	*	*
					DEBIT MINI	0.728		DATE 1ERE OBSERVATION	26 AVR			
					DEBIT MAXI	703.		DATE 1ERE OBSERVATION	31 AOU			

TOGO VCLTA OTI MANGO
STATION NUMERO 47271106
ANNEE 1972

DEBITS MOYENS JOURNALIERS EN M3/S
JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	1.40	*	*	.306	2.38	2.78	10.8	18.4	346.	512.	*	11.7
2	*	*	.734	.252	2.19	2.58	9.24	20.1	359.	500.	*	11.2
3	*	*	.734	.252	2.09	2.38	16.7	34.6	363.	488.	*	10.8
4	*	*	.668	.252	1.91	2.19	18.0	59.7	369.	484.	67.2	10.5
5	*	*	.668	.421	1.56	1.91	14.0	54.0	360.	469.	58.0	10.1
6	*	*	.668	.363	1.32	1.65	12.2	35.0	341.	446.	52.3	9.92
7	*	*	.668	.306	1.16	1.48	19.1	37.9	317.	434.	45.8	9.58
8	*	*	.604	.306	.540	1.40	20.1	38.3	311.	413.	41.8	9.24
9	*	*	.604	*	.801	1.91	32.8	30.6	331.	391.	39.3	9.07
10	*	*	.604	.252	.734	2.09	40.3	35.5	364.	370.	36.0	8.73
11	*	*	.604	.198	.734	2.19	37.4	32.8	399.	354.	34.1	8.57
12	*	*	.604	.306	.604	2.58	36.9	35.5	434.	336.	32.3	8.41
13	*	*	.541	.363	.541	3.79	36.4	*	449.	326.	30.2	8.24
14	*	*	.541	.306	2.48	7.15	51.2	31.5	457.	304.	27.6	7.92
15	*	*	.604	.421	10.8	7.46	76.8	76.3	454.	295.	26.0	7.77
16	*	*	.604	.363	6.41	6.70	78.8	124.	453.	280.	24.3	7.61
17	*	*	.604	.421	7.00	5.98	66.7	148.	453.	268.	23.1	7.30
18	*	*	.604	.363	5.43	5.98	46.9	160.	458.	256.	22.0	7.15
19	*	*	.604	.306	4.65	5.84	38.8	178.	467.	246.	*	7.00
20	*	*	.541	.252	4.03	5.98	34.1	200.	473.	234.	19.4	6.85
21	*	*	.480	.306	3.21	5.84	33.7	214.	483.	225.	18.4	6.56
22	*	*	.480	.306	2.78	5.57	31.5	199.	490.	215.	17.4	6.41
23	*	*	.480	.252	2.68	5.16	28.9	190.	499.	206.	16.7	6.27
24	*	*	.480	.252	2.68	4.90	26.4	221.	*	193.	15.5	*
25	*	*	.480	.198	3.00	5.03	23.5	269.	509.	178.	14.9	*
26	*	*	.421	.198	2.89	5.70	20.5	301.	512.	169.	14.3	5.98
27	*	*	.363	*	2.68	6.12	19.4	347.	*	160.	13.8	5.84
28	*	*	.363	3.33	2.28	8.24	17.7	359.	537.	153.	13.0	*
29	*	*	.363	3.33	2.09	9.24	17.7	362.	535.	145.	12.4	5.43
30	*	=	.363	3.00	2.28	13.0	15.2	365.	527.	137.	12.2	5.43
31	*	=	.306	=	2.68	=	13.8	368.	=	*	=	5.30
MOY	*	*	*	*	2.67	4.76	30.5	*	*	*	*	*

DEBIT MINI 0.198 DATE IERE OBSERVATION 11 AVR
DEBIT MAXI 537. DATE IERE OBSERVATION 28 SEP

TOGO VCLTA OTI MANGO
STATION NUMERO 47271106
ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S
JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	5.16	3.21	1.91	1.16	1.82	4.40	14.0	157.	383.	264.	26.4	7.15
2	5.03	3.21	1.82	1.24	1.73	4.27	17.1	181.	341.	241.	24.3	6.85
3	5.03	3.10	1.73	1.16	1.73	*	14.9	233.	305.	225.	23.1	6.70
4	4.90	3.10	1.65	1.16	1.73	3.00	10.1	253.	288.	221.	21.6	6.41
5	4.77	3.00	1.65	1.09	1.65	2.68	9.75	258.	277.	214.	20.1	6.27
6	4.65	*	1.56	1.91	1.65	2.48	10.3	247.	261.	198.	19.4	6.12
7	4.52	2.89	1.48	2.89	1.56	3.21	9.75	245.	263.	177.	18.7	5.84
8	4.52	2.78	1.48	2.68	1.48	2.89	8.73	265.	287.	162.	18.0	5.70
9	4.40	2.78	1.40	2.28	1.48	*	7.92	295.	314.	148.	17.4	5.57
10	4.27	2.78	1.40	2.09	1.82	2.19	14.9	329.	326.	135.	16.4	5.43
11	4.15	2.68	1.40	1.82	2.00	3.44	32.8	*	347.	122.	*	5.30
12	4.15	2.68	1.40	1.73	1.51	9.24	24.3	382.	369.	112.	14.6	5.16
13	*	2.58	1.32	1.73	1.82	8.41	15.8	396.	426.	185.	14.0	5.03
14	4.27	2.58	1.32	1.73	1.65	6.85	12.2	402.	451.	97.9	13.5	4.90
15	4.27	2.58	1.32	1.73	1.65	6.27	14.9	418.	462.	91.3	13.0	4.77
16	4.65	2.48	1.24	1.65	2.05	5.84	22.4	440.	465.	84.9	12.4	*
17	5.30	2.48	1.24	1.65	2.00	10.3	14.9	467.	465.	77.3	11.7	4.52
18	5.57	2.48	1.24	1.65	1.65	39.8	11.5	486.	472.	71.9	11.2	4.40
19	5.57	2.38	1.24	1.65	1.48	27.6	9.58	504.	474.	67.7	10.8	4.27
20	5.30	2.38	1.24	1.56	*	18.0	8.73	519.	459.	64.0	10.1	*
21	*	2.28	1.24	1.40	1.24	13.5	8.41	531.	*	59.7	9.92	4.03
22	4.65	2.28	1.24	1.32	1.40	11.7	7.61	537.	405.	55.7	9.58	*
23	4.40	2.19	1.24	1.24	1.73	10.8	11.7	545.	371.	50.6	9.24	*
24	4.15	2.09	1.24	1.16	1.91	9.58	15.2	555.	348.	46.4	8.90	3.79
25	4.03	2.00	1.24	1.16	1.51	8.41	14.6	567.	327.	41.8	8.57	*
26	3.91	2.00	1.24	2.28	1.73	8.41	30.2	568.	302.	38.3	8.41	*
27	3.79	2.00	1.24	*	1.91	11.2	56.8	567.	275.	35.0	8.08	3.55
28	3.67	1.91	1.16	2.38	1.73	10.1	82.3	552.	259.	31.5	7.92	3.55
29	3.55	=	1.16	2.19	2.58	10.1	114.	526.	262.	30.6	7.77	3.33
30	3.44	=	1.16	2.00	5.30	11.2	111.	483.	267.	30.2	7.61	3.33
31	3.33	=	1.16	=	*	=	129.	412.	=	28.5	=	3.21
MOY	*	*	1.36	*	*	*	27.9	*	*	107.	*	*

DEBIT MINI 1.09 DATE IERE OBSERVATION 5 AVR
DEBIT MAXI 568. DATE IERE OBSERVATION 26 AOU

STATION NUMERO 47271106												STATION NUMERO 47271106																	
TOGO						VOLTA			OTI			MANGO			TOGO						VOLTA			OTI			MANGG		
ANNEE 1974												ANNEE 1975																	
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S																	
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC						
1	3.10	1.40	.801	.480	.421	5.70	1.65	138.	678.	1007.	193.	16.4	1	5.84	3.00	1.73	1.09	.726	6.59	9.76	323.	236.	645.	212.	21.7				
2	3.10	1.40	.801	.480	.363	*	2.00	127.	665.	982.	185.	14.9	2	5.70	3.00	1.65	1.01	.726	5.71	8.50	333.	261.	654.	199.	21.4				
3	3.00	1.32	.801	.480	.363	3.91	2.05	131.	662.	968.	174.	14.3	3	5.43	2.89	1.65	1.01	.726	8.70	8.70	327.	288.	660.	186.	21.0				
4	2.89	1.32	.801	.480	.363	3.67	1.82	153.	659.	953.	165.	13.8	4	5.30	2.89	1.56	.940	.726	14.3	9.76	310.	322.	663.	175.	20.7				
5	2.78	1.32	.734	.480	.306	5.03	6.12	230.	654.	924.	156.	13.2	5	5.16	2.78	1.56	.940	.650	13.6	11.1	286.	354.	655.	162.	20.7				
6	2.68	1.24	.734	.480	.306	5.70	9.92	288.	654.	892.	141.	12.4	6	5.03	2.78	1.56	1.01	.650	10.4	12.3	268.	385.	631.	148.	20.7				
7	2.58	1.24	.734	.480	.306	5.43	13.8	321.	673.	847.	119.	11.9	7	4.90	2.68	1.48	1.01	.726	7.90	15.4	263.	399.	628.	127.	*				
8	2.58	1.24	.734	.480	.604	4.77	28.0	350.	688.	817.	98.5	11.5	8	4.77	2.68	1.48	1.01	.726	6.41	28.6	280.	410.	609.	103.	*				
9	2.48	1.16	.668	.480	.480	3.67	35.0	377.	693.	790.	82.8	11.0	9	4.65	2.68	1.48	.940	.650	5.71	54.3	292.	404.	588.	85.0	*				
10	2.38	1.16	.668	.421	.480	3.79	31.5	393.	698.	758.	72.4	10.8	10	4.52	2.58	1.40	.940	.650	5.21	47.1	277.	369.	561.	71.8	*				
11	2.28	1.16	.668	.421	.421	3.67	21.2	414.	709.	733.	65.4	10.1	11	4.40	2.58	1.40	1.24	.650	4.72	42.1	270.	345.	535.	62.4	*				
12	2.28	1.09	.668	.421	.421	6.41	13.2	431.	724.	710.	60.3	9.92	12	4.27	2.48	1.40	1.24	10.6	5.38	50.5	270.	378.	529.	54.8	*				
13	2.19	1.05	.668	.421	.421	7.00	10.1	441.	743.	690.	55.1	9.75	13	4.15	2.48	1.40	1.16	9.12	6.06	*	269.	409.	506.	50.0	*				
14	2.09	1.01	.604	.421	.604	6.27	8.73	441.	763.	662.	51.2	9.41	14	4.15	2.38	1.32	1.01	6.77	6.41	64.0	265.	424.	481.	47.1	*				
15	2.09	1.01	.604	.421	.801	5.30	61.8	426.	785.	633.	46.9	8.90	15	4.03	2.38	1.32	.870	5.05	6.24	150.	262.	431.	467.	43.5	*				
16	2.09	1.01	.604	.421	.668	4.65	98.5	402.	803.	608.	42.8	8.90	16	3.91	2.28	1.32	.734	5.71	5.89	205.	262.	462.	448.	40.8	*				
17	2.00	1.01	.604	.421	.668	3.67	103.	402.	817.	580.	40.3	8.90	17	3.91	2.28	1.24	.870	12.1	5.21	225.	262.	489.	432.	39.0	*				
18	2.00	1.01	.604	.421	1.09	3.21	103.	421.	832.	539.	38.3	8.73	18	3.91	2.19	1.24	.870	9.76	5.38	220.	253.	495.	419.	36.4	*				
19	1.91	.940	.604	.541	1.24	2.89	87.5	457.	874.	504.	35.5	8.57	19	3.79	2.05	1.16	.801	7.33	4.72	214.	219.	494.	409.	34.7	*				
20	1.51	.940	.604	.541	1.32	2.68	68.6	486.	906.	477.	33.2	8.08	20	3.67	2.09	1.16	.801	5.89	4.89	248.	202.	494.	393.	33.1	12.5				
21	1.82	.870	.541	.480	1.32	2.78	56.8	504.	929.	423.	30.6	7.61	21	3.55	2.00	1.16	.801	6.59	4.57	280.	187.	504.	372.	31.4	*				
22	1.82	.870	.541	.480	1.24	2.68	54.0	532.	943.	385.	28.9	7.46	22	3.55	2.00	1.16	.870	6.41	4.10	294.	179.	517.	359.	29.8	*				
23	1.73	.870	.541	.480	1.82	2.28	50.6	564.	977.	347.	26.4	7.30	23	3.44	1.91	1.09	.870	5.71	3.51	285.	170.	535.	337.	29.0	*				
24	1.73	.870	.541	.480	2.19	2.15	50.1	595.	1033.	311.	25.2	7.15	24	3.44	1.91	1.09	.870	5.05	3.37	290.	170.	568.	320.	27.8	*				
25	1.65	.801	.541	.480	1.65	2.09	70.5	619.	1096.	285.	23.5	7.15	25	3.33	1.82	1.09	.726	4.41	3.66	322.	184.	585.	305.	26.7	*				
26	1.65	.801	.480	.421	1.32	1.91	80.3	633.	1128.	264.	22.0	7.00	26	3.33	1.82	1.09	.806	3.80	4.72	342.	205.	598.	289.	25.9	*				
27	1.56	.801	.480	*	1.09	1.73	83.3	650.	1123.	247.	20.5	6.85	27	3.21	1.82	1.09	.726	3.37	5.21	*	205.	608.	272.	24.4	*				
28	1.56	.801	.480	.421	1.98	1.65	98.5	655.	1101.	232.	19.4	6.56	28	3.21	1.73	1.09	.726	3.55	4.89	355.	191.	617.	258.	23.3	*				
29	1.48	=	.480	.421	13.8	1.56	108.	660.	1069.	220.	18.4	6.27	29	3.10	=	1.01	.726	7.14	5.05	351.	187.	622.	245.	22.7	*				
30	1.48	=	.604	.421	8.90	1.40	133.	670.	1038.	210.	17.4	6.12	30	3.10	=	1.09	.726	7.52	9.12	331.	186.	628.	233.	22.3	*				
31	1.48	=	.541	=	7.61	=	145.	681.	=	200.	=	5.98	31	3.10	=	1.01	=	6.96	=	310.	189.	=	222.	=	*				
MOY	2.14	1.06	.628	*	2.33	*	52.8	438.	837.	587.	69.6	9.58	MOY	4.12	2.36	1.30	.512	4.54	6.25	*	243.	454.	456.	72.4	*				
	DEBIT MINI		0.306		DATE 1ERE OBSERVATION		5 MAI						DEBIT MINI		0.650		DATE 1ERE OBSERVATION		5 MAI										
	DEBIT MAXI		1128.		DATE 1ERE OBSERVATION		26 SEP						DEBIT MAXI		663.		DATE 1ERE OBSERVATION		4 OCT										

STATION NUMERO 47271106											
ANNEE 1976											
DEBITS MOYENS JOURNALIERS EN M3/S											
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	4.26	1.96	.726	.806	6.59	15.4	36.9	228.	164.	* 27.8
2	*	4.10	1.83	.726	.806	6.77	20.1	31.4	227.	153.	183. 26.7
3	*	3.95	1.71	.726	.806	5.55	23.0	31.4	209.	151.	178. 25.1
4	*	3.95	1.71	.650	.578	5.05	20.7	33.5	183.	157.	172. 23.7
5	*	3.80	1.71	.650	.578	4.72	19.5	44.8	169.	148.	168. 22.7
6	*	3.80	1.71	.650	.578	4.89	18.6	66.5	162.	145.	162. 22.0
7	*	4.57	1.71	.650	.578	5.05	16.8	69.1	163.	138.	155. 21.0
8	*	4.26	1.71	.650	.578	5.05	16.2	69.7	159.	132.	150. *
9	*	3.95	1.60	.650	.650	4.72	16.0	69.1	155.	129.	142. 19.2
10	*	3.66	1.60	.650	.650	4.72	14.9	87.3	149.	131.	133. 18.0
11	*	3.51	1.60	.650	.650	4.41	*	104.	142.	127.	125. 17.1
12	*	3.37	1.48	.650	.650	5.55	13.3	79.9	134.	117.	117. 16.5
13	*	3.23	1.48	.650	1.37	31.8	12.3	77.7	131.	111.	109. 15.4
14	*	3.09	1.37	.650	1.71	42.1	12.1	77.7	130.	105.	98.5 14.9
15	*	3.09	1.27	.650	6.06	46.2	11.8	81.0	129.	100.	94.3 14.3
16	*	2.95	1.27	.650	7.33	*	12.3	87.3	129.	98.5	91.3 13.8
17	*	2.95	1.27	.891	7.33	43.0	18.3	97.3	130.	98.5	87.8 13.6
18	*	2.80	1.27	.806	7.14	34.7	22.0	115.	125.	107.	84.4 13.0
19	*	2.80	1.17	.806	6.96	28.6	23.0	131.	117.	112.	79.4 12.3
20	*	2.65	1.17	.891	6.77	20.1	25.5	140.	109.	118.	75.5 11.8
21	*	2.65	1.07	.806	6.55	17.4	39.9	187.	103.	136.	67.6 11.8
22	*	*	1.07	.650	6.06	16.5	38.1	215.	123.	162.	59.8 11.6
23	*	2.50	1.07	.650	8.30	14.9	36.9	251.	158.	182.	57.3 11.1
24	*	2.50	.579	*	9.98	13.8	37.7	246.	173.	190.	50.9 10.6
25	*	2.36	.579	.650	9.54	14.3	37.3	236.	182.	187.	45.3 *
26	*	2.22	.979	.650	9.54	14.3	37.7	226.	183.	179.	41.7 9.98
27	*	2.22	.891	*	9.12	14.9	50.5	214.	180.	180.	37.3 9.54
28	*	2.09	.891	.650	8.51	15.1	65.0	208.	175.	189.	34.7 9.12
29	*	2.09	.891	.578	7.71	14.9	58.3	213.	173.	193.	31.8 8.91
30	*	=	.806	.578	*	15.4	50.9	219.	174.	193.	30.2 8.50
31	4.26	=	.726	=	6.55	=	43.5	229.	=	190.	= 8.10
MOY	*	*	1.32	*	*	*	*	128.	157.	146.	* *
		DEBIT MINI		0.578		DATE 1ERE OBSERVATION		29 AVR			
		DEBIT MAXI		251.		DATE 1ERE OBSERVATION		23 AOU			

STATION NUMERO 47271106											
ANNEE 1977											
DEBITS MOYENS JOURNALIERS EN M3/S											
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	7.52	3.37	1.83	.806	*	.891	6.77	140.	494.	297.	18.6 5.38
2	7.14	3.37	1.71	.726	.446	1.07	5.89	138.	506.	281.	17.4 5.21
3	6.36	3.23	1.60	.650	.367	1.48	5.71	116.	511.	272.	16.5 5.05
4	6.77	3.23	1.48	.650	.387	1.37	5.38	96.1	512.	262.	15.7 4.89
5	6.59	3.09	1.48	.650	.387	1.27	6.41	87.3	507.	254.	* 4.72
6	6.41	2.95	1.37	.650	.387	1.07	5.55	82.7	489.	241.	14.3 4.72
7	6.24	2.95	1.37	.650	.387	1.07	5.21	78.8	489.	231.	13.6 5.05
8	6.06	2.80	1.27	.650	.510	.979	5.71	74.5	483.	212.	12.8 4.72
9	5.89	2.65	1.27	.650	.510	.806	9.33	55.5	479.	185.	12.3 4.57
10	5.71	2.65	1.17	.650	.578	.806	13.0	117.	489.	158.	11.8 4.41
11	5.55	2.50	1.17	.650	.650	.726	12.5	154.	495.	127.	11.1 4.26
12	5.38	2.50	1.17	.650	.650	.806	21.7	202.	512.	104.	10.9 4.10
13	5.21	2.36	1.07	.650	.650	2.65	44.8	231.	517.	89.6	10.2 3.95
14	5.05	2.36	1.07	.650	.650	5.05	29.4	234.	525.	79.9	9.76 3.95
15	5.05	2.22	1.07	.650	.578	5.21	19.2	233.	537.	79.4	9.76 3.80
16	4.89	2.22	.979	.650	.510	4.26	15.1	231.	550.	68.1	9.12 3.80
17	4.72	2.09	.979	.650	.510	3.23	10.4	208.	551.	64.0	8.70 3.66
18	4.57	1.96	.891	.578	.510	12.1	6.96	184.	554.	58.3	8.50 3.66
19	4.57	1.96	.891	.510	.510	12.3	13.6	204.	551.	53.8	8.30 3.37
20	4.41	1.83	.806	.510	.510	12.8	55.8	236.	535.	48.6	7.90 3.37
21	4.41	1.83	.806	.510	.510	11.6	56.3	264.	519.	43.5	7.71 3.23
22	4.41	1.83	.806	.510	.510	8.50	93.7	288.	502.	39.5	7.33 3.23
23	4.26	1.71	.806	.446	.650	7.33	112.	305.	476.	35.6	6.96 3.09
24	4.26	1.71	.806	.446	.578	13.3	127.	336.	451.	33.5	6.77 3.09
25	4.10	1.71	.806	.446	.510	16.8	126.	356.	427.	30.6	6.41 2.95
26	4.10	4.41	.726	.387	.510	16.0	115.	360.	411.	28.2	6.24 2.80
27	3.95	4.10	.726	.387	.446	12.1	106.	383.	386.	26.7	6.06 2.65
28	4.26	2.65	.650	.387	.578	9.76	102.	427.	358.	25.1	5.89 2.65
29	3.66	=	.650	.387	.650	7.90	140.	448.	334.	23.0	5.71 2.50
30	3.66	=	.806	.578	.806	7.52	166.	469.	314.	21.4	5.55 2.50
31	3.51	=	.891	=	.806	=	154.	481.	=	20.1	= 2.36
MOY	5.14	2.53	1.07	.578	*	6.02	51.5	234.	482.	113.	* 3.80
		DEBIT MINI		0.397		DATE 1ERE OBSERVATION		26 AVR			
		DEBIT MAXI		554.		DATE 1ERE OBSERVATION		18 SEP			

TOGO	VOLTA			OTI			MANGOU					
STATION NUMERO 47271106												
ANNEE 1978												
DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	2.36	.891	.446	.446	*	5.89	12.1	90.2	214.	265.	35.0	10.8
2	2.22	.806	.446	.650	2.09	5.21	12.5	82.2	237.	253.	36.1	10.5
3	2.22	.806	.446	.650	1.71	4.89	16.5	82.2	260.	239.	35.4	10.0
4	2.09	.806	.446	.650	1.48	4.72	23.7	78.8	268.	229.	33.9	9.48
5	1.96	.726	.387	.578	1.07	28.2	16.8	82.2	275.	216.	31.0	8.98
6	1.96	.726	.387	.510	.891	31.8	19.2	111.	278.	191.	27.9	8.49
7	1.83	.726	.331	.446	.726	53.8	38.1	138.	264.	167.	26.6	8.25
8	1.83	.650	.331	.446	.650	97.3	29.8	127.	240.	153.	25.9	8.02
9	1.71	.650	.331	.446	.650	103.	23.0	115.	210.	144.	25.6	8.02
10	1.71	.650	.331	.446	1.07	95.5	19.5	117.	182.	141.	24.9	7.56
11	1.60	.650	.387	*	14.6	63.5	18.6	108.	171.	139.	24.2	7.12
12	1.60	.650	.387	.331	9.33	46.2	24.4	99.7	164.	131.	23.6	6.91
13	*	.650	.331	.331	3.23	36.9	53.4	107.	168.	125.	22.6	6.69
14	1.48	.650	.331	.387	3.66	27.4	45.3	110.	187.	117.	21.3	6.49
15	1.48	.650	.331	.387	11.6	48.1	52.4	134.	213.	107.	20.1	6.28
16	1.37	.650	.331	.331	9.12	59.3	105.	127.	265.	98.9	19.5	6.28
17	1.37	.650	.331	.331	7.33	45.3	133.	129.	303.	86.7	18.3	6.08
18	1.37	.650	.331	.279	17.1	39.0	152.	125.	332.	76.3	17.6	6.08
19	1.37	.650	.650	5.38	16.5	32.2	149.	96.8	349.	66.5	16.8	5.88
20	1.27	.650	1.96	9.33	12.1	27.4	129.	82.8	365.	58.2	16.2	5.88
21	1.27	.578	1.96	6.96	9.12	23.0	107.	79.0	375.	52.6	15.6	5.69
22	1.17	.578	1.60	5.21	7.71	19.2	78.8	87.3	370.	48.2	15.3	5.50
23	1.17	.510	1.37	5.71	6.59	15.4	76.1	104.	351.	44.7	14.7	5.32
24	1.07	.510	1.17	4.57	6.24	14.6	106.	98.3	333.	42.2	14.1	5.13
25	1.07	.510	.891	3.66	*	14.3	*	91.3	321.	40.3	13.6	5.13
26	1.07	*	.726	3.09	6.96	14.9	162.	94.2	310.	38.7	12.7	4.96
27	.979	.446	.650	*	7.14	15.7	194.	91.3	305.	39.1	12.2	4.96
28	.979	.446	.650	2.65	7.33	16.5	186.	103.	297.	43.0	11.3	4.78
29	.979	=	.578	2.22	7.33	15.4	172.	125.	286.	41.0	11.1	4.61
30	.891	=	.510	1.96	6.96	*	137.	129.	269.	38.0	11.1	4.44
31	.891	=	.510	=	6.24	=	105.	183.	=	35.4	=	4.44
MOY	*	*	.641	*	*	*	*	107.	272.	112.	21.1	6.74
DEBIT MINI	0.279			DATE 1ERE OBSERVATION 18 AVR								
DEBIT MAXI	375.			DATE 1ERE OBSERVATION 21 SEP								

TOGO	VOLTA			OTI			MANGOU					
STATION NUMERO 47271106												
ANNEE 1979												
DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	*	1.87	.814	.431	.280	30.3	18.9	178.	536.	469.	89.0	16.5
2	4.28	1.77	.814	.431	.313	43.4	22.9	175.	554.	436.	84.4	15.6
3	4.12	1.77	.750	.431	.431	*	39.9	166.	578.	415.	80.5	15.0
4	3.96	1.68	.577	.431	5.13	22.6	68.0	161.	602.	408.	75.5	14.2
5	3.81	1.68	.577	.431	5.88	23.6	63.0	152.	631.	375.	69.7	13.6
6	3.81	1.59	.631	.431	18.3	37.6	51.7	134.	663.	344.	65.5	13.0
7	3.81	1.59	.631	.431	19.5	31.8	53.5	127.	690.	315.	59.4	12.8
8	3.66	1.50	.631	.389	19.2	32.1	69.0	121.	704.	305.	54.6	12.5
9	3.52	1.50	.631	.389	16.2	34.6	75.8	117.	728.	295.	51.2	12.2
10	3.52	1.50	.631	.389	12.4	26.9	89.5	126.	747.	290.	48.9	12.2
11	3.38	1.50	.631	.389	9.48	18.3	80.1	150.	759.	271.	44.9	12.0
12	3.38	1.50	.631	.389	7.34	17.3	74.7	160.	767.	257.	42.7	11.4
13	3.24	1.50	.631	.349	11.9	18.9	69.5	176.	775.	245.	39.3	10.6
14	3.24	1.41	.577	.349	34.6	28.6	71.6	179.	783.	240.	37.7	9.87
15	3.11	1.41	.577	.313	23.9	26.9	73.2	209.	789.	236.	34.9	9.62
16	3.11	1.33	.577	.313	15.9	22.6	78.5	274.	789.	231.	32.9	9.37
17	2.98	1.33	.577	.431	12.4	21.3	78.5	358.	783.	220.	31.0	9.12
18	2.85	1.25	.577	.477	9.74	19.8	84.5	383.	777.	205.	30.2	8.87
19	2.73	1.17	.525	.431	8.49	18.3	116.	388.	769.	190.	28.8	8.62
20	2.61	1.17	.525	.431	6.69	18.3	145.	402.	759.	174.	27.3	8.38
21	2.61	1.09	.477	.389	5.32	18.3	141.	411.	749.	162.	26.3	8.14
22	2.50	1.02	.477	.389	4.61	46.4	125.	428.	734.	153.	25.2	7.67
23	2.50	1.02	.477	.389	3.96	44.3	121.	452.	721.	145.	23.8	7.67
24	2.39	1.02	.477	.389	3.66	31.4	128.	483.	702.	138.	21.8	7.45
25	2.28	.949	.477	.349	5.32	23.3	168.	501.	679.	129.	20.8	7.02
26	2.17	.949	.525	.349	6.49	19.8	209.	524.	654.	123.	19.9	6.81
27	2.17	.880	.477	.349	8.49	19.5	210.	529.	624.	117.	18.9	6.60
28	2.07	.880	.477	.313	8.49	18.3	193.	533.	589.	110.	18.3	6.39
29	2.07	=	.477	.313	8.73	17.9	186.	523.	550.	104.	17.7	6.19
30	1.97	=	.431	.280	20.4	17.9	*	524.	514.	101.	16.8	*
31	1.97	=	.431	=	28.6	=	182.	529.	=	95.5	=	5.80
MOY	*	1.35	.572	.386	11.0	*	*	309.	690.	235.	41.3	*
DEBIT MINI	0.280			DATE 1ERE OBSERVATION 30 AVR								
DEBIT MAXI	789.			DATE 1ERE OBSERVATION 15 SEP								

GENERALITES :

- Superficie du bassin versant : 2 790 km²
- Coordonnées de la station : 09°37'N - 0°57'E
- Cote du zéro de l'échelle : 180 (IGN) environ
- Amplitude de l'échelle : -0,50 à 10 m
- Accès :-Piste joignant
KPESSIDE à la rivière
-Accès difficile en
hivernage
- Date de création : 12.12.1961
- Cadence des relevés : un relevé par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 61
- Maximum jaugé : H = 4.00-3.90 m
Q = 352 m³/s
Date = 11.09.64
- Nombre de tarages utilisés pour la
période 71-79 : 2
- Dernière courbe d'étalonnage utilisée :
. valide du 2.10.74 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
-0,50 A -0,20	0.0	0.0	0.0
-0,20 A 0,0	4.0000	0.0	0.0
0,0 A 0,20	7.7500	1.8250	0.160
0,20 A 0,40	36.450	4.5350	0.835
0,40 A 0,70	24.166	17.083	3.20
0,70 A 1,50	27.812	38.875	10.5
1,50 A 2,40	5.2222	78.188	59.4
2,40 A 3,50	35.000	91.500	134
3,50 A 5,00	7.3333	164.33	277

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1962	/	.	/	.	/	.	/	.	.	.	/	.
1963	/	*	*	*	*	*
1964	*	/
1965	.	/
1966	/	/
1967	*	/	.	/	/	/
1968
1969	.	.	.	/	/	/	*
1970	*	*	*	*	*	*	/	/	.	/	/	/
1971	/	/	/	/	/
1972
1973	/	/	/	/	/
1974
1975	.	.	/	/	.	.	.	/
1976	/	.	.	/	/	.	.	.
1977	/	.	.	.	/	/	/	.	.	/	.	.
1978	/	.	/	/	.	/	.
1979	.	.	/	/	/	*

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TJGO VOLTA KARA KPESSIDE
STATION NUMERO 47273905
ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
. + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

- La station est très stable même en basses eaux et la traduction hauteur-débit est très précise.
- La cadence des relevés est insuffisante compte tenu de la rapidité des crues à cette station. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire, des débits donnés dans ces annales pour l'étude des crues et des modules.

	DEBITS MOYENS JOURNALIERS EN M3/S												
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGU	SEP	OCT	NOV	DEC	
1	.320	*	.264	3.02	5.01	20.2	5.01	141.	121.	42.6	5.01	1.10	
2	*	*	.238	2.64	2.35	36.5	3.66	77.9	92.5	30.8	5.01	1.01	
3	*	*	.191	2.64	.693	10.9	3.35	119.	114.	25.4	5.01	1.01	
4	*	*	.150	2.67	2.35	7.29	2.84	93.3	94.2	25.4	4.80	1.01	
5	*	*	.214	1.53	.451	9.14	5.14	74.0	90.0	25.4	4.59	1.01	
6	*	*	.170	.565	.382	5.01	5.01	67.2	141.	39.5	3.83	.919	
7	*	.150	.132	.451	.251	4.20	5.01	74.0	202.	55.6	3.66	.919	
8	*	.150	.170	.320	.251	2.20	8.18	94.2	202.	25.4	3.50	.919	
9	*	.132	.519	.565	.649	3.20	5.48	77.9	202.	23.8	3.35	.763	
10	*	.132	.649	.451	.320	2.06	449.	64.2	135.	22.8	3.20	.693	
11	*	.132	.291	.320	.264	5.01	130.	94.2	116.	22.3	3.02	1.10	
12	*	.150	.214	.264	.191	22.8	55.6	74.0	327.	21.7	2.84	1.01	
13	*	.170	.191	.416	.170	9.14	60.6	77.9	152.	18.8	2.67	.919	
14	*	3.20	.170	.320	.150	4.80	47.6	540.	94.2	20.2	2.51	.838	
15	*	2.35	.291	5.31	.382	4.39	88.4	202.	116.	19.2	2.35	.763	
16	*	1.65	.214	4.01	.264	4.01	122.	111.	176.	18.3	2.20	.763	
17	*	.919	.191	2.20	.191	3.66	85.9	362.	202.	15.4	2.06	.693	
18	*	.606	.214	1.01	2.84	5.01	44.5	202.	157.	14.5	2.06	.649	
19	*	.487	.191	.693	1.78	4.01	37.7	277.	129.	12.7	1.92	.606	
20	*	.382	.170	.416	1.41	3.20	36.5	353.	112.	12.2	1.78	.525	
21	*	.320	.115	.350	65.0	2.20	362.	202.	94.2	11.3	1.65	.487	
22	*	.264	*	.264	11.8	3.66	202.	116.	102.	10.2	1.65	.451	
23	*	1.01	*	.214	18.8	5.01	112.	96.7	106.	10.2	1.53	.416	
24	*	.649	*	.191	9.48	14.5	77.9	202.	77.1	10.2	1.41	.382	
25	*	.525	*	.150	5.01	9.14	103.	89.2	60.6	9.82	1.41	.350	
26	*	.451	.170	.382	3.50	5.01	76.3	120.	56.3	9.14	1.30	.320	
27	*	.320	.170	*	*	15.9	85.9	94.2	62.8	7.58	1.30	.291	
28	*	.191	.487	.264	*	9.14	77.1	73.2	55.6	6.73	1.30	.264	
29	*	=	1.01	.238	5.01	13.1	55.6	36.5	52.2	6.20	1.20	.238	
30	*	=	11.3	.382	28.0	7.58	94.2	116.	42.6	5.23	1.20	.214	
31	*	=	3.20	=	10.5	=	467.	93.3	=	5.01	=	.291	
MOY	*	*	*	*	*	8.40	54.3	142.	123.	18.8	2.64	.674	
				DEBIT MINI	0.115	DATE 1ERE OBSERVATION				21 MAR			
				DEBIT MAXI	540.	DATE 1ERE CERVATION				14 AGU			

STATION NUMERO 47273905												STATION NUMERO 47273905															
ANNEE 1972												ANNEE 1973															
CEBITS MOYENS JOURNALIERS EN M3/S												CEBITS MOYENS JOURNALIERS EN M3/S															
TOGO	VCLTA	KARA		KFESSIDE								TOGO	VOLTA	KARA		KFESSIDE											
JAN	FEV	MAR	AVR	MAI	JUN	JUL	ACU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC				
1	.291	.100	.350	.150	.653	13.1	39.5	94.2	88.4	25.4	21.2	3.20	1	4.01	.238	.067	0	.030	5.01	39.5	116.	52.2	39.5	39.5	1.65		
2	.264	.093	.045	.150	.565	22.8	17.8	59.1	362.	39.5	20.7	3.02	2	3.83	*	.062	0	.026	3.20	22.3	74.0	42.6	176.	25.4	1.30		
3	.264	.093	.045	.320	.487	15.4	13.6	43.8	135.	25.4	20.2	2.84	3	3.66	.91	.062	0	.451	17.8	36.5	54.2	38.3	112.	15.4	1.20		
4	.264	.093	.045	2.06	.416	10.2	116.	57.0	159.	25.4	20.2	2.84	4	3.50	.170	.062	0	.487	4.80	21.2	74.8	146.	79.5	13.1	1.10		
5	.238	.086	.045	1.41	.320	8.82	33.6	458.	85.9	43.8	17.8	2.67	5	3.35	.150	.056	0	.525	13.1	12.2	39.5	107.	56.3	11.8	.919		
6	.238	.086	.040	48.9	94.2	25.4	15.4	130.	71.7	52.2	14.5	2.51	6	2.67	.132	.056	0	.565	8.18	38.3	33.6	54.2	77.9	10.5	.838		
7	.238	.080	.040	17.3	8.50	15.4	10.5	76.3	62.8	39.5	13.1	2.20	7	2.06	.132	.050	0	*	85.9	17.8	41.4	44.5	59.1	9.48	.763		
8	.238	.080	.035	7.58	10.9	10.2	23.8	62.8	169.	54.2	11.3	2.06	8	1.65	.115	.050	0	.062	48.9	61.3	29.7	39.5	50.2	8.82	.693		
9	.214	.080	.035	5.01	4.59	8.50	94.2	49.6	94.2	36.5	10.5	1.92	9	1.41	.115	*	0	.050	16.8	46.4	57.7	36.5	39.5	7.88	.693		
10	.214	.074	.035	2.84	3.83	6.73	77.9	66.4	116.	39.5	10.2	1.92	10	1.20	.115	.045	0	.067	5.01	18.3	494.	147.	36.5	7.58	.649		
11	.214	.074	.030	1.30	3.35	5.46	39.5	50.2	146.	45.7	9.48	1.78	11	1.10	.115	.045	0	*	3.35	10.9	131.	503.	34.2	7.29	.606		
12	.191	.074	.026	.653	2.84	15.4	25.4	125.	103.	66.4	8.82	1.65	12	1.01	.115	.045	0	.067	15.4	30.8	94.2	155.	30.8	6.46	.565		
13	.191	.074	.022	.416	1.65	11.8	55.6	74.0	152.	85.9	8.50	1.53	13	*	.115	.045	0	5.01	7.58	19.7	141.	68.7	25.4	5.23	.525		
14	.191	.074	.017	.653	1.41	9.82	42.6	50.9	112.	55.6	7.88	1.41	14	.838	.100	.045	0	20.2	5.01	15.4	112.	36.5	21.2	4.59	.487		
15	.170	.067	.022	.565	1.20	10.9	77.9	42.6	74.8	36.5	7.58	1.30	15	.763	.093	.040	0	*	4.01	13.6	57.0	61.3	17.3	4.39	.451		
16	.170	.067	.035	.487	9.48	65.7	55.6	55.6	55.6	54.2	7.00	1.20	16	.693	.093	.026	0	30.8	3.02	12.7	79.5	42.6	14.0	4.20	.416		
17	.150	.067	.030	.416	7.58	23.8	45.7	50.2	47.6	57.7	6.73	1.10	17	.649	.093	.017	0	55.6	1.65	11.8	94.2	77.9	10.9	4.01	.382		
18	.150	.067	.040	.320	15.4	11.8	76.3	41.4	42.6	45.7	6.20	1.01	18	.606	.093	.014	0	25.4	1.10	10.2	188.	51.6	15.4	3.66	.350		
19	.150	.062	.035	.191	74.0	9.14	55.6	125.	55.6	85.9	5.46	1.01	19	.565	.093	.010	0	6.20	5.01	8.18	72.5	42.6	17.3	3.50	.320		
20	.150	.062	.030	3.20	5.01	7.58	36.0	74.0	50.2	94.2	5.01	1.01	20	.565	.086	.006	5.01	5.01	10.9	6.73	81.1	47.0	15.9	3.35	.693		
21	.150	.062	.040	2.20	3.66	6.73	25.4	57.7	41.4	176.	5.01	.919	21	.525	.086	.003	1.10	1.41	3.66	7.00	43.8	42.0	16.4	3.02	.606		
22	.150	.056	4.59	1.65	2.84	5.46	55.6	176.	39.5	141.	4.80	.919	22	.525	.086	0	.645	.320	2.35	6.46	41.4	89.2	15.9	2.84	.565		
23	.132	.056	2.67	1.41	10.9	8.50	50.2	141.	33.6	94.2	4.59	.919	23	.487	.086	0	.451	.170	28.0	5.01	54.2	69.4	15.4	2.67	.525		
24	.132	.056	1.20	1.10	25.4	25.4	39.5	94.2	29.1	77.9	4.20	.838	24	.451	.086	0	.320	11.3	10.5	4.59	202.	54.2	14.0	2.51	.525		
25	.132	.056	.606	.653	5.01	12.2	33.6	68.7	25.4	55.6	4.01	.838	25	.416	.086	0	.170	5.01	10.9	4.20	94.2	42.6	12.2	2.35	.487		
26	.115	.050	.291	.487	7.58	7.58	22.8	188.	55.6	36.5	3.66	8.18	26	.382	.074	0	.080	1.92	7.88	3.83	176.	36.0	10.9	2.20	.487		
27	.115	.050	.214	1.20	15.4	6.20	17.8	107.	37.7	29.1	3.50	4.39	27	.350	.074	0	*	.565	40.1	6.73	76.3	81.9	12.7	2.06	.487		
28	.115	.050	.150	1.30	10.2	5.46	135.	57.0	34.8	25.4	3.50	14.5	28	.320	.067	.006	.056	.238	25.4	5.70	48.9	94.2	11.8	1.92	.451		
29	.100	.050	.649	1.10	43.2	5.01	85.9	116.	30.8	25.4	3.50	5.01	29	.320	=	.006	.645	.074	20.2	30.8	38.3	68.7	10.9	1.78	.451		
30	.100	=	.320	1.01	55.6	22.8	55.6	87.5	26.4	21.7	3.35	4.59	30	.291	=	.003	.040	20.2	23.8	16.4	34.8	47.0	10.2	1.65	.451		
31	.100	=	.214	=	25.4	=	405.	72.5	=	19.2	=	4.39	31	.264	=	.003	=	22.8	=	12.7	28.6	=	55.6	=	.416		
MOY	.178	.070	.376	3.54	14.6	13.8	60.6	95.2	84.5	55.2	9.09	2.70	MOY	*	*	*	*	*	14.6	18.0	93.7	80.7	35.9	7.31	.647		
DEBIT MINI				0.017	DATE 1ERE OBSERVATION								14 MAR	DEBIT MINI				0.0	DATE 1ERE OBSERVATION								22 MAR
DEBIT MAXI				458.	DATE 1ERE OBSERVATION								5 AOU	DEBIT MAXI				503.	DATE 1ERE OBSERVATION								11 SEP
DEBIT MOYEN ANNUEL				28.5	M3/S																						

TOGO VOLTA KARA KPESSIDE
 STATION NUMERO 47273905
 ANNEE 1974

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	ACU	SEP	OCT	NOV	DEC
1	.382	.115	.035	.045	.170	6.20	39.5	94.2	141.	112.	64.9	4.31
2	.382	.100	.035	.040	.150	3.20	20.2	74.0	108.	79.3	57.7	4.11
3	.350	.093	.030	.035	.086	45.7	39.5	57.0	336.	180.	43.8	3.92
4	.320	.093	.030	.026	.067	8.18	87.5	81.9	188.	136.	37.6	3.73
5	.291	.093	.026	.022	.056	59.9	15.9	54.9	112.	99.8	31.7	3.55
6	.264	.093	.026	.017	.050	94.2	57.7	48.9	1106.	81.7	28.1	3.37
7	.238	.086	.022	.014	.045	55.6	77.1	45.7	216.	68.9	24.7	3.20
8	.214	.086	.022	.010	.045	25.4	42.6	57.0	157.	59.4	15.6	3.01
9	.191	.080	.022	.006	.045	14.0	20.7	38.3	540.	157.	16.0	2.83
10	.191	.080	.017	.067	.080	8.18	176.	25.4	202.	136.	14.7	2.83
11	.170	.080	.017	.062	.238	7.58	47.6	47.6	731.	99.8	12.9	2.66
12	.170	.080	.040	.067	.074	6.20	68.7	25.4	202.	85.0	10.9	2.66
13	.150	.074	.035	.074	6.46	4.59	33.6	327.	121.	146.	9.88	2.49
14	.150	.074	.030	.074	5.01	3.20	18.8	103.	181.	136.	9.28	2.49
15	.150	.074	.026	.067	4.01	2.84	128.	291.	114.	108.	8.13	2.34
16	.150	.074	.017	.062	3.20	1.65	77.9	202.	91.7	91.5	7.85	2.18
17	.150	.067	.010	.056	2.20	1.10	70.2	169.	69.4	79.3	7.58	2.18
18	.132	.067	.010	.067	1.92	25.4	45.7	127.	184.	74.4	7.32	2.04
19	.132	.067	.006	.086	1.65	18.8	37.7	94.2	223.	85.0	7.06	1.90
20	.132	.067	.191	.150	1.30	15.4	74.0	74.0	161.	99.8	7.06	1.77
21	.132	.062	.093	1.53	1.01	39.5	157.	141.	111.	79.3	6.80	1.77
22	.132	.062	.086	1.30	13.1	11.8	90.0	94.2	94.2	60.2	6.80	1.65
23	.132	.056	.074	1.01	5.01	15.4	59.1	77.9	178.	89.9	6.31	1.65
24	.132	.056	.382	.838	3.35	11.8	94.2	375.	122.	76.9	6.07	1.65
25	.132	.050	.320	.693	2.35	7.00	50.9	277.	353.	67.3	5.60	1.65
26	.132	.045	.264	.565	1.65	5.23	67.9	176.	657.	61.8	5.37	1.54
27	.132	.045	.191	.416	1.20	4.39	54.9	494.	230.	48.3	5.15	1.54
28	.132	.040	.115	.350	.919	22.8	40.7	202.	166.	35.6	4.93	1.43
29	.132	=	.086	.264	.606	16.8	36.5	112.	219.	24.7	4.72	1.33
30	.115	=	.074	.214	7.56	13.1	59.1	79.5	159.	20.9	4.51	1.33
31	.115	=	.056	=	13.1	=	147.	202.	=	15.6	=	1.24
MOY	.185	.074	.077	.274	2.48	19.5	65.7	138.	249.	86.9	16.0	2.40

DEBIT MINI 0.00€ DATE IERE OBSERVATION 19 MAR
 DEBIT MAXI 1106. DATE IERE OBSERVATION 6 SEP
 DEBIT MOYEN ANNUEL 48.4 M3/S

TOGO VOLTA KARA KPESSIDE
 STATION NUMERO 47273905
 ANNEE 1975

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	ADU	SEP	OCT	NOV	DEC
1	1.24	.387	.102	79.3	7.06	8.41	7.58	*	79.3	144.	7.06	2.83
2	1.15	.356	.090	24.7	6.55	7.58	5.60	*	72.0	128.	6.55	2.66
3	1.07	.356	.078	12.5	5.15	6.55	3.73	*	57.7	116.	6.07	2.49
4	1.07	.356	.078	9.57	4.51	5.15	5.15	43.8	277.	99.8	5.83	2.34
5	1.00	.455	.068	8.41	22.0	4.51	8.13	149.	131.	89.9	5.60	2.18
6	.940	.420	.068	6.80	19.9	4.11	17.9	674.	99.8	75.2	5.15	2.04
7	.835	.387	.068	5.60	17.4	3.55	42.4	185.	79.3	68.9	4.93	1.90
8	.740	.356	.068	4.51	14.7	3.20	36.9	128.	130.	59.4	4.72	1.77
9	.694	.356	.058	3.73	11.3	2.83	79.3	94.0	111.	56.9	4.51	1.65
10	.650	.787	.058	2.49	8.41	19.9	59.4	76.0	85.0	51.3	4.31	1.54
11	.608	.940	.048	1.50	7.58	11.3	42.4	98.1	187.	47.5	4.11	1.43
12	.567	.835	.048	2.34	6.80	9.57	174.	79.3	248.	43.8	3.92	1.33
13	.567	.694	.040	2.04	12.5	8.69	99.8	176.	189.	38.9	3.73	1.24
14	.567	.567	.040	1.65	10.5	17.0	75.2	137.	145.	33.6	3.73	1.15
15	.567	.491	.040	1.24	9.57	9.57	57.7	277.	182.	30.5	3.55	1.07
16	.567	.420	.040	1.07	8.69	10.5	99.8	136.	144.	43.8	3.55	1.00
17	.567	.387	.032	.940	7.58	8.41	75.2	77.7	215.	40.3	3.37	.884
18	.567	.326	.032	85.8	6.80	14.7	64.1	73.6	170.	36.9	3.37	.884
19	.567	.271	.026	10.5	6.07	10.5	51.3	61.0	130.	34.9	3.37	.835
20	.528	.271	.026	*	5.37	9.57	33.6	56.9	102.	63.3	3.37	.787
21	.528	.245	*	*	4.72	8.41	24.7	52.9	254.	56.9	3.20	.740
22	.528	.222	*	2.83	4.31	7.06	361.	46.0	202.	51.3	3.01	.694
23	.451	.200	.032	3.37	3.92	6.55	108.	63.3	257.	45.3	2.83	.694
24	.451	.179	.020	2.34	3.55	5.83	63.3	237.	114.	40.3	2.83	.650
25	.451	.179	.020	1.77	3.01	5.15	40.3	137.	81.7	30.5	2.66	.650
26	.455	.144	.004	1.24	2.66	4.51	68.9	43.8	68.9	20.4	5.15	.650
27	.455	.130	0	.835	2.34	4.51	59.4	67.3	142.	12.1	4.11	.608
28	.455	.116	0	12.5	1.54	11.3	48.3	55.3	99.8	9.88	3.55	.567
29	.455	=	0	9.57	1.24	14.7	42.4	71.2	85.0	8.41	3.20	.567
30	.420	=	0	8.13	14.7	10.2	36.9	59.4	165.	7.85	3.01	.528
31	.420	=	0	=	10.5	=	68.9	46.0	=	7.32	=	.528
MOY	.654	.387	*	*	8.05	8.46	63.3	*	143.	51.4	4.16	1.26

DEBIT MINI 0.0 DATE IERE OBSERVATION 27 MAR
 DEBIT MAXI 674. DATE IERE OBSERVATION 6 AOU

STATION NUMERO 47273905												STATION NUMERO 47273905														
ANNEE 1976												ANNEE 1977														
DEBITS MCVENS JOURNALIERS EN M3/S												DEBITS MCVENS JOURNALIERS EN M3/S														
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC			
1	.491	.144	.116	.006	.740	91.5	8.98	68.9	31.7	91.5	157.	6.80	1	1.15	.420	.078	0	.387	17.0	.940	24.7	42.4	22.0	4.11	.528	
2	.491	.130	.116	.004	.608	24.7	8.41	57.7	27.5	85.0	99.8	4.72	2	1.07	.387	.068	0	.297	10.2	.835	11.3	31.7	47.5	3.73	.528	
3	.455	.116	.102	.004	.528	12.5	8.13	117.	23.0	152.	87.4	4.11	3	1.07	.356	.068	0	.245	10.2	6.31	9.88	23.0	*	3.55	.491	
4	.420	.356	.102	.002	17.0	5.60	7.58	99.8	19.4	110.	83.3	3.92	4	1.00	.326	.058	0	1.15	10.2	10.5	8.98	63.3	*	3.20	.491	
5	.420	.237	.090	.000	5.28	2.83	30.5	76.9	15.6	83.3	73.6	3.73	5	.940	.237	.058	0	4.72	3.20	8.41	8.13	396.	30.5	2.83	.455	
6	.567	.271	.090	.000	5.15	10.5	179.	170.	93.2	67.3	67.3	3.55	6	.884	.271	.058	0	1.15	2.34	7.06	7.32	134.	57.7	2.66	.455	
7	.567	.245	.116	0	2.83	22.0	75.2	125.	157.	53.7	63.3	3.20	7	.884	.245	.048	0	.787	*	*	6.31	68.9	41.7	2.49	.420	
8	.528	.222	.116	0	91.5	12.5	22.0	75.2	95.6	42.4	59.4	3.01	8	.835	.245	.040	0	4.72	5.60	4.11	89.0	87.4	33.6	2.34	.387	
9	.528	.200	.102	.000	14.7	31.1	9.88	277.	64.1	46.0	56.9	2.83	9	.835	.222	.040	.010	1.90	3.20	22.0	42.4	52.9	29.3	2.18	.356	
10	.491	.200	.090	.000	6.80	24.7	7.58	185.	57.7	38.2	52.9	2.66	10	*	.222	.026	.006	3.20	1.77	36.9	23.6	43.1	24.7	2.04	.356	
11	.491	.200	.078	.002	11.3	12.5	15.6	99.8	51.3	35.6	46.0	2.49	11	.787	.200	.032	.004	6.55	1.24	17.0	13.4	69.7	54.5	1.90	.326	
12	.455	.179	.068	.010	7.58	8.98	10.9	69.7	42.4	38.9	36.9	2.34	12	.787	.200	.026	.090	4.51	1.00	6.80	277.	87.4	45.3	1.65	.297	
13	*	.179	.058	.006	6.80	7.58	16.0	57.7	36.9	34.9	29.3	2.04	13	.787	.179	.026	.068	2.34	.835	4.72	121.	111.	38.2	.884	.297	
14	.455	.179	.048	.004	6.31	20.2	59.4	51.3	33.6	28.7	20.9	1.90	14	.787	.179	.026	.048	1.77	20.2	4.11	49.8	88.2	29.3	1.24	.491	
15	.420	.179	.048	.004	5.57	87.4	20.2	44.6	49.8	20.2	13.8	1.77	15	.787	.179	.020	.032	1.24	45.3	5.37	23.6	152.	24.7	1.15	.455	
16	.420	.179	.040	.694	5.15	55.3	139.	85.0	38.2	87.4	11.3	1.65	16	.787	.160	.020	.020	.940	22.5	4.93	20.4	20.2	20.4	1.07	.455	
17	.387	.160	.116	.694	4.11	36.9	95.6	52.9	*	80.9	10.2	1.54	17	.787	.160	0	.014	.694	8.69	4.51	69.7	121.	15.6	1.07	.420	
18	.387	.144	.102	.654	6.31	87.4	75.2	32.4	21.4	121.	8.41	1.43	18	.740	.144	.004	.006	.567	6.80	3.73	45.3	81.7	11.7	1.00	.420	
19	.356	.144	.090	.694	4.72	61.0	64.9	80.9	19.4	85.8	7.58	1.33	19	.694	.144	.002	.004	.740	7.32	3.37	57.7	157.	20.4	.940	.387	
20	.326	.130	.078	1.43	7.58	43.8	121.	61.0	61.0	108.	6.80	1.24	20	.650	.130	.000	21.9	.940	6.07	5.15	35.6	126.	16.5	.940	.387	
21	.326	.130	.068	1.15	5.60	34.9	81.7	95.6	53.7	99.8	6.31	1.24	21	.608	.130	.000	8.98	.608	4.51	4.72	157.	86.6	14.2	.884	.356	
22	.297	.130	.048	.835	4.11	24.7	34.9	73.6	49.8	130.	9.88	1.15	22	.567	.116	.000	4.31	.455	3.20	4.11	99.8	61.0	11.3	.884	.356	
23	.271	.116	.040	3.55	2.66	17.4	28.7	63.3	43.1	97.3	8.69	1.07	23	.528	.102	.000	2.18	.528	3.20	3.55	42.4	49.8	8.69	.835	.326	
24	.271	.116	.040	1.90	1.90	15.6	154.	59.4	40.3	76.9	7.58	1.07	24	.528	.102	.000	1.33	.654	2.83	15.6	87.4	41.7	8.69	.835	.326	
25	.271	.102	.032	1.00	.940	11.3	121.	52.1	34.3	83.3	6.80	1.07	25	.491	.090	0	1.00	.608	3.20	20.2	43.1	36.9	7.58	.787	.297	
26	.245	.102	.026	2.66	.740	10.5	99.8	43.8	52.9	79.3	6.55	1.00	26	.491	.090	0	.835	.884	2.49	108.	89.9	24.7	6.55	.740	.271	
27	.222	.144	.020	*	3.01	9.88	87.4	35.6	157.	74.4	6.31	1.54	27	.491	.078	0	.740	.654	1.90	57.7	52.9	39.6	5.83	.694	.271	
28	.200	.144	.020	12.5	1.65	11.7	165.	93.2	99.8	67.3	10.2	1.43	28	.491	.078	0	.608	2.34	1.54	23.6	42.4	76.9	5.15	.650	.271	
29	.179	.130	.014	1.43	16.0	10.5	139.	69.7	71.2	93.2	9.57	1.33	29	.455	=	0	.451	*	1.33	18.2	31.7	38.2	4.51	.608	.271	
30	.179	=	.010	.835	10.5	9.28	113.	45.3	52.1	83.3	8.41	1.33	30	.455	=	0	.420	3.73	1.15	99.8	131.	33.0	3.20	.567	.245	
31	.144	=	.006	=	8.13	=	79.3	36.9	=	76.9	=	1.24	31	.455	=	0	=	19.4	=	61.0	87.4	=	3.55	=	.245	
MOY	*	.171	.067	*	8.83	33.2	72.9	82.5	*	82.4	35.7	2.25	MOY	*	.195	.022	1.44	*	*	*	58.4	87.6	*	1.62	.375	
		DEBIT MINI	0.0		DATE 1ERE OBSERVATION	7 AVR									DEBIT MINI	0.0		DATE 1ERE OBSERVATION	17 MAR							
		DEBIT MAXI	277.		DATE 1ERE OBSERVATION	9 AOU									DEBIT MAXI	396.		DATE 1ERE OBSERVATION	5 SEP							

STATION NUMERO 47273905													STATION NUMERO 47273905													
ANNEE 1978													ANNEE 1979													
DEBITS MOYENS JOURNALIERS EN M3/S													DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC			
1	.245	.116	.006	.326	1.90	*	14.2	51.3	136.	35.6	38.9	5.83	1	1.00	.356	.068	.222	8.69	16.0	4.72	151.	449.	91.5	*	*	
2	.245	.102	.006	.222	1.65	*	11.7	47.5	171.	30.5	112.	5.15	2	.940	.356	.068	.271	5.60	8.13	4.51	97.3	167.	*	*	*	
3	.245	.102	.006	.200	2.83	.650	9.28	43.8	124.	40.3	*	4.51	3	.835	.326	.058	.608	4.51	6.07	7.58	65.7	121.	87.4	*	*	
4	.245	.102	.004	.175	12.1	.608	73.6	41.7	99.8	33.6	*	4.11	4	.787	.326	.058	.420	15.6	5.15	61.7	79.3	327.	76.9	*	*	
5	.245	.102	.004	.144	6.80	.528	38.9	36.9	128.	24.7	41.0	3.92	5	.740	.297	.048	.356	9.88	4.11	121.	55.3	188.	73.6	59.4	*	*
6	.245	.078	.004	.130	13.8	45.3	31.7	65.7	93.2	17.9	33.0	3.73	6	1.33	.297	.040	.297	7.58	17.4	43.8	68.9	142.	53.7	24.7	*	*
7	.245	.078	.004	.116	5.15	20.9	72.8	49.8	76.9	63.3	28.7	3.55	7	1.24	.271	.040	.297	12.5	15.6	15.6	57.7	59.4	93.2	24.7	*	*
8	.245	.058	.020	.102	2.18	17.9	72.8	176.	59.4	49.8	24.7	3.55	8	1.15	.271	.032	.245	20.4	13.4	11.3	41.7	201.	76.9	*	*	
9	.245	.058	.014	.160	1.43	16.0	53.7	121.	85.0	87.4	20.4	3.55	9	1.15	.245	*	.245	9.88	9.88	7.58	30.5	139.	157.	*	*	
10	.222	.058	.014	.740	.835	14.7	85.0	79.3	77.7	125.	18.9	3.37	10	1.15	.245	.048	.387	6.80	38.2	16.0	91.5	116.	99.8	*	*	
11	.222	.048	.014	.608	.608	12.5	72.0	285.	67.3	99.8	16.0	3.20	11	1.07	.222	.048	.356	10.5	23.0	143.	61.0	99.8	69.7	*	*	
12	.222	.048	.014	.455	.528	8.13	83.3	174.	61.0	73.6	14.2	3.20	12	1.07	.222	.048	.297	8.98	11.3	54.5	42.4	89.0	81.7	*	*	
13	.222	.048	.010	.650	.420	5.15	67.3	128.	125.	111.	11.3	2.83	13	1.00	.200	.048	.271	8.13	10.5	45.3	24.7	59.4	79.3	*	*	
14	.200	.040	.016	.528	4.51	3.73	61.0	99.8	87.4	63.3	10.2	2.83	14	1.00	.200	.048	.222	6.80	7.06	87.4	45.3	108.	75.2	*	*	
15	.200	.032	.032	.491	1.90	*	470.	83.3	182.	26.4	9.88	2.66	15	.940	.200	.048	.200	7.85	3.73	46.8	108.	85.0	70.4	*	*	
16	.200	.032	.650	.491	9.57	81.7	202.	*	*	65.7	9.57	2.49	16	.940	.179	.048	.179	3.20	5.15	35.6	230.	99.8	67.3	*	*	
17	.179	.026	.567	.387	15.6	99.8	132.	139.	*	46.0	9.28	2.49	17	.884	.179	.058	.179	3.01	6.31	131.	121.	83.3	61.0	*	*	
18	.179	.026	.491	.326	7.85	68.9	112.	186.	*	33.6	8.69	2.34	18	.835	.144	.058	.160	1.24	20.4	85.0	289.	59.4	55.3	*	*	
19	.160	.026	.455	.271	12.5	28.7	119.	99.8	114.	24.7	8.41	2.34	19	.740	.144	.058	.200	4.31	9.88	55.3	361.	163.	51.3	*	*	
20	.160	.026	.387	.528	7.06	17.4	90.7	79.3	176.	40.3	8.13	2.18	20	.694	.144	.048	.179	2.83	59.4	83.3	201.	195.	47.5	*	*	
21	.160	.026	.326	.455	2.83	38.9	76.9	149.	125.	30.5	7.58	2.18	21	.650	.130	.058	.200	1.65	23.0	58.6	942.	145.	43.8	*	*	
22	.144	.020	.245	.387	2.04	20.9	64.9	458.	76.9	24.7	7.32	2.04	22	.608	*	.090	.200	1.15	9.88	24.7	361.	230.	40.3	*	*	
23	.144	.020	.222	.650	1.15	18.9	156.	142.	94.0	35.6	7.06	1.90	23	.608	*	.090	.179	.740	18.4	156.	186.	157.	30.5	*	*	
24	.144	.014	.200	.491	7.06	89.9	128.	179.	79.3	30.5	6.80	1.77	24	.567	*	.068	.179	.528	8.13	176.	129.	121.	27.5	*	*	
25	.144	.014	1.07	4.11	1.43	45.3	99.8	396.	65.7	27.5	6.31	1.65	25	.528	*	.102	.179	.387	23.0	87.4	99.8	277.	24.7	*	*	
26	.144	.010	.835	1.43	.940	22.0	202.	108.	144.	24.7	8.69	1.54	26	.491	*	.090	.297	.326	11.3	59.4	201.	108.	*	*	*	
27	.144	.010	.740	.835	.650	87.4	136.	99.8	93.2	89.9	7.85	1.43	27	.455	*	.090	.271	.297	7.58	36.9	123.	87.4	*	*	*	
28	.130	.006	.694	.694	.835	52.9	96.5	202.	51.3	47.5	7.58	1.33	28	.420	*	.068	.271	.491	10.2	29.9	289.	59.4	*	5.37	*	
29	.130	=	.608	10.5	.740	35.6	81.7	132.	45.3	144.	7.32	1.24	29	.387	=	.116	.245	2.83	8.13	52.9	151.	99.8	*	*	*	
30	.116	=	.567	3.20	.608	20.9	67.3	458.	36.9	75.2	6.80	1.15	30	.387	=	.102	.271	1.65	5.60	41.7	121.	130.	40.3	*	*	
31	.116	=	.491	=	.451	=	57.7	176.	=	55.3	=	1.15	31	.356	=	.102	=	5.83	=	256.	110.	=	24.7	=	*	*
MOY	.190	.047	.281	.994	4.13	*	98.0	*	*	54.1	*	2.75	MOY	.806	*	*	.263	5.62	13.9	65.9	159.	146.	*	*	*	
DEBIT MINI	0.004	DATE 1ERE OBSERVATION 4 MAR											DEBIT MINI	0.032	DATE 1ERE OBSERVATION 8 MAR											
DEBIT MAXI	470.	DATE 1ERE OBSERVATION 15 JUL											DEBIT MAXI	942.	DATE 1ERE OBSERVATION 21 AOU											

INVENTAIRE DES DONNEES DISPONIBLESGENERALITES :

- Superficie du bassin versant ----- : 1 560 km²
- Coordonnées de la station ----- : 9°32'N - 1°11'E
- Cote du zéro de l'échelle ----- : 270 (IGN) environ
- Amplitude de l'échelle ----- : 0 à 10 m
- Accès ----- : Pont métallique à
l'entrée de LAMA-KARA
- Date de création ----- : 05.07.1954
- Cadence des relevés ----- : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 ----- : 63
- Maximum jaugé ----- : H = 3.70-3.54
Q = 274 m³/s
Date = 13.9.64
- Nombre de tarages utilisés pour la
période 71-79 ----- : 2
- Dernière courbe d'étalonnage utilisée :
. valide du 28.2.72 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,20	2.0000	0.4000	0.0
0,20 A 0,50	9.000	1.1000	0.160
0,50 A 0,90	25.625	7.6250	1.30
0,90 A 2,00	2.348	27.008	8.49
2,00 A 3,00	74.000	31.000	41.0
3,00 A 4,00	38.000	181.00	146
4,00 A 5,00	4.0000	244.00	365
5,00 A 6,00	4.0000	258.00	613
6,00 A 7,00	-30.000	305.00	875
7,00 A 8,00	20.000	270.00	1150

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1954	/	*	*	*	*	*	/
1955
1956
1957
1958
1959
1960	/	.
1961	.	.	/
1962
1963	/	/	.
1964	*	*	/
1965	/	*	*	/	.	.	/	/	/	/	.	.
1966	*	/	/	/	.
1967	.	/
1968	/	/	.	.
1969	/	/	.
1970	/	.	.
1971	/	/	.	.	.
1972
1973
1974
1975
1976
1977
1978
1979

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TOGO VOLTA KARA LAMA-KARA I
 STATION NUMERO 47273910
 ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
- . + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

- La station est très stable même en basses eaux et la traduction hauteur-débit est très précise.
- La cadence des relevés est insuffisante compte tenu de la rapidité des crues à cette station. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire, des débits donnés dans ces annales pour l'étude des crues et des modules.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGU	SEP	OCT	NOV	DEC
1	.300	.148	.154	.279	.120	8.89	1.17	40.3	*	16.8	1.30	.520
2	.383	.148	.137	.159	.100	5.76	.858	40.6	31.2	13.7	1.17	.501
3	.326	.137	.131	.177	.090	2.66	1.96	56.0	96.0	12.5	1.11	.465
4	.300	.131	.148	.177	.081	1.57	3.65	28.5	127.	10.6	1.05	.448
5	.276	.126	.230	.177	.072	1.30	2.73	47.1	256.	13.2	1.05	.448
6	.254	.120	.120	.154	.155	1.17	2.26	23.4	104.	9.89	.993	.448
7	.254	.120	.110	.142	.185	.939	1.21	36.4	175.	9.62	.938	.414
8	.233	.115	.100	.131	.165	.757	1.11	33.9	226.	8.96	.884	.414
9	.233	.131	.095	.110	.160	.733	1.98	22.1	127.	7.83	.884	.383
10	.233	.177	.095	.100	.165	.621	143.	23.4	76.6	7.36	.832	.383
11	.215	.529	.090	.100	.148	7.39	36.4	44.1	357.	6.90	.782	.383
12	.215	1.25	.122	.115	.137	4.38	19.8	29.6	150.	6.45	.733	.704
13	.215	.448	.142	.155	.234	4.72	18.9	62.9	95.1	7.26	.733	.665
14	.215	.646	.137	4.49	2.49	2.60	19.4	251.	91.9	6.79	.733	.560
15	.215	.387	.110	.840	1.42	1.52	63.2	89.2	207.	5.60	.687	.465
16	.215	.290	.110	.437	.807	1.03	93.0	114.	101.	4.90	.642	.399
17	.215	.245	.100	.277	.702	.967	23.4	179.	157.	4.44	.642	.383
18	.198	.185	.077	.207	.448	.971	16.8	161.	81.3	3.99	.621	.353
19	.184	.177	.077	.187	.354	2.81	14.8	224.	59.9	3.73	.621	.300
20	.184	.165	.064	.142	70.4	1.42	13.8	191.	73.0	3.65	.600	.276
21	.171	.154	.056	.120	10.3	.913	362.	105.	32.9	3.32	.559	.276
22	.184	.154	.060	.126	2.11	.783	101.	84.3	30.6	3.09	.559	.254
23	.184	.148	.064	.126	3.67	4.44	58.4	*	46.2	3.33	.559	.254
24	.184	.301	.068	.154	1.42	3.65	39.5	109.	29.0	2.79	.520	.254
25	.171	.226	.096	.191	.809	3.03	57.8	100.	23.9	2.44	.501	.233
26	.171	.198	.184	.159	.581	1.63	43.9	69.1	24.2	2.17	.483	.233
27	.160	.185	.148	.142	.431	4.84	27.9	104.	24.8	1.92	.541	.233
28	.160	.165	.120	.131	.357	4.72	20.1	32.3	19.5	1.80	.670	.215
29	.160	=	.115	.148	10.2	3.20	42.4	30.2	19.4	1.57	.601	.215
30	.160	=	.115	.126	5.81	1.68	25.4	97.3	18.6	1.46	.579	.233
31	.160	=	.245	=	2.13	=	152.	142.	=	1.32	=	.215
MCY	.217	.257	.117	.335	3.75	2.70	45.4	*	*	6.11	.753	.372
					DEBIT MINI	3.056		DATE 1ERE	DESERVATION	21	MAR	
					DEBIT MAXI	362.		DATE 1ERE	DESERVATION	21	JUL	

STATION NUMERO 47273910												
ANNÉE 1972												
DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.233	.105	.038	.048	.219	15.5	8.91	21.4	286.	14.0	6.74	.889
2	.198	.105	.031	.048	.186	26.8	18.5	20.5	153.	8.99	5.78	.863
3	.198	.095	.019	.077	.166	6.52	10.9	25.7	144.	8.99	5.56	.838
4	.198	.086	.009	.060	.131	5.34	22.3	32.1	104.	8.04	5.02	.813
5	.198	.086	.014	.955	.148	45.4	9.81	70.0	63.7	6.98	4.71	.764
6	.184	.086	.025	5.09	.215	10.8	7.24	66.2	48.2	6.25	4.51	.740
7	.184	.086	.019	2.17	9.26	7.37	19.9	31.8	42.1	6.37	4.03	.717
8	.171	.060	.019	.972	3.53	5.45	10.6	32.8	201.	5.45	3.59	.672
9	.171	.060	.019	.722	1.41	4.23	51.9	24.0	64.2	4.71	3.26	.650
10	.171	.077	.019	.422	1.00	3.34	24.8	20.6	300.	4.61	2.95	.628
11	.171	.068	.014	.295	.695	2.73	17.8	27.3	173.	65.7	2.65	.607
12	.160	.086	.009	.219	.527	2.13	14.5	24.0	91.1	17.9	2.38	.566
13	.160	.077	.009	.172	.422	1.80	58.0	19.5	74.9	26.6	2.26	.566
14	.171	.060	.009	.132	.408	1.55	24.5	15.6	83.7	12.0	2.02	.527
15	.171	.052	.009	.100	2.28	1.38	22.1	13.1	46.1	8.31	1.80	.527
16	.148	.052	.014	.105	2.49	4.23	33.6	29.1	42.7	28.7	1.70	.527
17	.148	.045	.014	.086	6.92	4.93	32.2	17.6	33.0	28.8	1.60	.509
18	.148	.045	.019	.077	2.20	3.62	18.5	22.0	29.3	17.3	1.51	.490
19	.148	.045	.019	1.72	2.46	2.39	33.3	26.9	32.2	45.0	1.34	.490
20	.148	.045	1.85	.796	1.83	1.80	17.9	25.7	31.9	59.4	1.30	.490
21	.137	.045	.728	2.08	1.12	1.65	14.5	22.1	24.2	53.3	1.24	.490
22	.137	.052	.309	1.12	11.7	4.41	16.5	221.	20.6	29.6	1.20	.490
23	.137	.052	.181	.697	6.19	23.2	19.8	113.	18.8	24.0	1.11	.490
24	.137	.052	.142	.558	8.13	11.7	29.0	65.3	17.8	35.8	1.08	.490
25	.137	.045	.126	.653	3.80	4.93	18.2	38.0	26.9	31.7	1.05	.490
26	.137	.052	.100	.390	4.72	3.85	14.9	42.9	20.4	22.1	.997	25.8
27	.126	.045	.081	.332	2.91	3.18	29.0	32.0	15.5	18.8	.997	3.79
28	.126	.038	.093	.259	19.6	4.32	77.2	26.4	14.9	15.6	.970	2.20
29	.115	.038	.105	.210	21.9	3.99	33.6	44.1	10.1	12.4	.942	1.51
30	.115	=	.086	.293	56.8	16.2	25.7	41.7	8.86	9.26	.916	1.34
31	.105	=	.068	=	16.4	=	31.0	76.7	=	8.04	=	1.20
MOY	.158	.063	.135	.695	6.12	7.82	24.7	41.6	74.1	20.8	2.51	1.65
DEBIT MIN1	0.009		DATE 1ERE OBSERVATION		4 MAR							
DEBIT MAX1	513.		DATE 1ERE OBSERVATION		1 SEP							
DEBIT MOYEN ANNUEL	15.0		M3/S									

STATION NUMERO 47273910												
ANNÉE 1973												
DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	1.17	.186	.052	.422	.038	2.48	6.75	65.0	20.4	64.5	7.79	.607
2	1.24	.186	.052	.253	.038	5.59	11.1	30.8	18.8	69.1	5.34	.566
3	.997	.172	.045	.131	.028	2.98	8.85	24.3	84.1	67.1	4.61	.566
4	.889	.172	.038	.110	.019	1.98	4.96	35.8	48.8	60.0	3.85	.566
5	.788	.172	.031	.095	.019	3.81	32.8	26.6	158.	97.5	3.26	.527
6	.650	.160	.031	.077	.016	7.00	32.5	37.2	42.1	46.5	2.87	.527
7	.650	.160	.031	.060	.014	3.86	19.0	28.4	189.	39.7	2.59	.527
8	.566	.148	.019	.045	.014	3.20	12.9	33.7	67.9	31.4	2.32	.490
9	.527	.148	.019	.038	.014	1.79	23.9	41.2	46.4	28.1	2.13	.455
10	.490	.137	.019	.028	.006	1.20	7.80	228.	113.	24.6	1.90	.455
11	.490	.126	.019	.022	.004	1.25	4.83	116.	452.	22.1	1.85	.455
12	.490	.137	.019	.019	.004	2.81	22.7	46.7	117.	19.3	1.70	.455
13	.455	.137	.019	.016	.100	1.24	31.3	80.8	78.2	18.1	1.51	.455
14	.422	.126	.014	.014	1.32	1.25	9.67	239.	59.4	15.8	1.34	.455
15	.422	.126	.019	.014	4.86	1.05	6.88	55.0	63.2	14.1	1.30	.422
16	.390	.115	.019	.011	14.3	2.36	5.56	39.1	107.	9.81	1.20	.390
17	.390	.115	.019	.004	5.60	1.42	4.42	33.7	70.8	8.86	1.17	.360
18	.390	.115	.019	.025	1.32	1.06	3.26	35.7	63.0	8.03	1.11	.360
19	.360	.115	.019	.031	.789	1.23	3.87	28.1	136.	7.37	1.05	.332
20	.332	.105	.019	.105	.475	1.92	2.65	35.2	56.5	7.50	1.05	.332
21	.332	.095	.019	.077	.126	2.53	2.73	22.7	47.1	6.98	.997	.332
22	.306	.095	.014	.068	.095	8.24	2.20	18.6	101.	6.73	.942	.306
23	.281	.086	.014	.068	.064	3.85	1.75	35.4	149.	5.90	.889	.306
24	.281	.086	.009	.077	.048	4.92	1.98	62.5	85.3	5.45	.838	.306
25	.258	.077	.031	.077	.096	4.12	4.04	46.6	51.8	4.91	.788	.281
26	.237	.068	.025	.060	.230	8.72	2.80	45.7	41.2	4.51	.740	.281
27	.237	.060	.019	.060	.167	9.40	2.26	26.5	145.	4.22	.740	.258
28	.218	.052	.019	.052	.142	7.37	68.6	24.8	109.	3.85	.694	.258
29	.218	=	.019	.052	.126	10.2	18.9	22.7	55.4	8.03	.650	.258
30	.201	=	.031	.045	1.96	7.66	9.81	19.2	46.8	17.6	.650	.258
31	.186	=	.031	=	10.8	=	192.	18.0	=	7.91	=	.258
MOY	.480	.124	.024	.072	1.38	3.88	18.2	51.7	94.1	23.7	1.93	400
DEBIT MIN1	0.004		DATE 1ERE OBSERVATION		17 AVR							
DEBIT MAX1	647.		DATE 1ERE OBSERVATION		11 SEP							
DEBIT MOYEN ANNUEL	16.4		M3/S									

TOGO VOLTA KARA LAMA-KARA I
 STATION NUMERO 47273910
 ANNEE 1974

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.218	.105	.025	.142	.038	375	1.77	104.	80.6	130.	13.9	1.30
2	.218	.105	.025	.126	.031	10.5	3.78	122.	227.	125.	27.2	1.27
3	.201	.105	.019	.142	.031	2.34	1.96	80.5	132.	205.	15.8	1.20
4	.201	.105	.019	.121	.025	1.20	16.3	68.7	78.1	89.7	13.0	1.14
5	.186	.105	.019	.100	.025	50.6	16.9	55.0	211.	65.4	9.95	1.08
6	.186	.105	.019	.090	.025	13.0	13.3	60.6	367.	49.6	7.24	1.05
7	.172	.095	.014	.081	.019	3.96	18.2	56.7	194.	44.3	6.49	1.05
8	.160	.095	.019	.072	.025	2.95	16.1	47.5	106.	36.2	5.89	1.05
9	.160	.077	.019	.064	.022	2.32	14.1	33.5	252.	48.5	5.56	1.03
10	.160	.077	.016	.052	.028	1.70	45.8	31.6	114.	48.8	5.12	.997
11	.160	.068	.022	.045	2.80	2.29	37.0	27.6	360.	36.2	4.81	.970
12	.160	.086	.363	.048	.598	1.70	91.3	27.9	134.	30.2	4.41	.916
13	.148	.077	.567	.052	.406	1.55	25.2	79.0	137.	27.6	4.03	.889
14	.148	.086	.406	.045	.360	1.28	72.6	47.4	153.	59.1	3.59	.838
15	.148	.077	.348	.045	1.63	1.03	104.	249.	79.4	28.8	3.34	.813
16	.137	.077	.259	.048	.950	1.09	28.2	324.	62.6	27.8	3.18	.788
17	.137	.068	.175	.270	.422	10.4	41.8	127.	206.	24.3	3.02	.788
18	.137	.068	.115	.205	.375	5.63	59.1	75.2	128.	30.1	2.72	.788
19	.148	.060	.086	.306	.259	2.66	129.	57.1	130.	21.1	2.58	.788
20	.148	.060	.064	.377	3.41	2.02	53.5	51.4	129.	78.5	2.45	.740
21	.148	.060	.056	.166	.565	2.45	296.	139.	69.2	29.0	2.32	.740
22	.137	.060	.337	.285	.335	2.32	85.6	91.5	54.5	28.5	2.07	.740
23	.137	.052	.121	.181	3.36	1.11	282.	59.3	62.6	22.0	1.96	.740
24	.137	.052	.086	.126	2.40	.943	103.	293.	46.1	38.3	1.85	.717
25	.137	.038	.086	.110	.893	8.17	77.7	210.	241.	21.1	1.75	.672
26	.137	.038	.090	.095	.478	4.22	63.4	132.	155.	30.2	1.65	.650
27	.126	.038	.064	.073	.321	12.3	58.9	193.	76.7	19.1	1.60	.650
28	.126	.031	.052	.060	6.20	14.4	40.5	299.	102.	16.2	1.51	.628
29	.115	=	.041	.048	1.04	2.73	46.4	181.	146.	14.2	1.46	.607
30	.115	=	.034	.045	5.92	1.66	192.	260.	323.	13.1	1.38	.607
31	.115	=	.031	=	1.06	=	150.	105.	=	21.0	=	.587
MOY	.154	.074	.116	.121	1.10	5.63	70.5	119.	152.	47.1	5.39	.866

DEBIT MINI 0.014 DATE IERE OBSERVATION 7 MAR

DEBIT MAXI 538. DATE IERE OBSERVATION 6 SEP

DEBIT MOYEN ANNUEL 33.7 M3/S

TOGO VOLTA KARA LAMA-KARA I
 STATION NUMERO 47273910
 ANNEE 1975

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.566	.258	.105	.360	.943	.775	.514	23.6	27.4	44.0	2.72	.942
2	.566	.258	.105	.306	.741	.815	1.03	30.2	67.9	32.3	2.45	.889
3	.527	.258	.095	.237	.650	.628	2.32	36.7	59.7	29.0	2.19	.838
4	.527	.237	.095	.218	.965	.567	4.50	23.3	217.	25.4	2.07	.838
5	.490	.237	.095	.218	.918	.509	4.91	99.9	70.7	24.0	1.85	.788
6	.490	.237	.095	.201	5.27	.438	4.99	63.2	48.8	45.8	1.75	.740
7	.490	.332	.095	.186	11.5	.375	3.76	42.6	39.2	25.4	1.65	.694
8	.455	.332	.095	.160	4.36	.536	14.1	116.	69.2	23.6	1.55	.650
9	.422	.281	.086	.148	2.40	11.1	12.2	62.0	40.1	20.8	1.46	.607
10	.422	.390	.086	.137	1.65	19.6	7.66	59.4	37.5	18.2	1.38	.566
11	.390	.360	.095	.172	1.31	4.81	7.56	44.6	144.	16.5	1.38	.566
12	.360	.332	.086	.172	4.06	2.33	31.0	42.2	205.	14.4	1.24	.566
13	.360	.306	.086	.148	3.06	14.0	47.0	114.	156.	9.94	1.17	.490
14	.360	.258	.077	.126	1.70	6.40	32.7	47.5	78.0	8.86	1.11	.490
15	.360	.258	.068	.137	1.31	2.79	20.2	144.	161.	8.03	1.05	.455
16	.390	.237	.060	.218	1.20	1.75	16.6	46.6	123.	8.03	1.05	.455
17	.390	.201	.060	31.8	1.20	1.66	31.0	35.9	78.1	9.13	1.05	.422
18	.390	.201	.052	10.4	1.11	1.65	22.0	31.9	56.8	7.50	1.05	.422
19	.360	.186	.068	2.00	1.03	1.28	19.5	29.7	42.2	7.11	1.08	.390
20	.360	.160	.068	1.06	.863	1.08	14.5	25.2	97.1	6.73	1.14	.390
21	.332	.148	.064	.789	.717	.970	8.99	27.8	92.6	6.13	1.03	.390
22	.332	.148	.060	4.18	.628	.863	43.7	77.7	52.1	5.56	.970	.390
23	.306	.137	.060	2.59	.528	.813	29.9	32.2	54.9	5.12	.889	.390
24	.306	.137	.086	1.32	.655	.838	63.0	90.3	40.9	4.51	.998	.390
25	.306	.126	.702	.943	.740	.717	31.0	64.6	33.1	4.12	2.36	.390
26	.332	.126	.364	.741	.630	.628	20.6	49.7	32.8	3.85	1.47	.360
27	.332	.126	.210	.587	.547	.587	19.5	37.2	73.1	3.67	1.20	.360
28	.306	.115	10.8	9.05	.490	.473	17.1	30.3	41.0	3.50	1.11	.360
29	.306	=	1.19	3.03	.455	.456	53.7	26.2	37.0	3.67	1.03	.332
30	.281	=	.697	1.25	.406	.438	25.5	23.1	82.1	3.34	.942	.332
31	.281	=	.456	=	.484	=	27.6	21.1	=	2.95	=	.332
MOY	.390	.228	.554	2.43	1.69	2.66	20.6	51.6	78.6	13.9	1.41	.523

DEBIT MINI 0.052 DATE IERE OBSERVATION 18 MAR

DEBIT MAXI 340. DATE IERE OBSERVATION 12 SEP

DEBIT MOYEN ANNUEL 14.6 M3/S

TUGO VDI TA KARA LAMA-KARA I
 STATION NUMERO 472/3910
 ANNEE 1976

TUGO VDI TA KARA LAMA-KARA I
 STATION NUMERO 47273910
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	306	177	110	034	219	14.6	3.87	38.7	8.09	29.7	95.9	2.32
2	332	160	100	031	179	2.79	2.95	33.4	7.00	31.3	34.2	2.19
3	306	160	081	025	160	1.29	2.32	25.1	7.63	26.1	28.4	2.07
4	306	160	077	016	169	918	8.31	24.5	6.86	22.4	24.3	1.85
5	332	160	077	011	67.4	1.36	12.8	33.3	49.5	18.8	21.2	1.75
6	332	172	091	004	18.8	8.31	55.6	40.9	27.5	16.6	19.1	1.75
7	390	172	090	002	6.11	12.1	14.9	26.3	17.8	21.6	18.0	1.65
8	360	154	077	0	2.26	12.6	8.58	21.4	14.2	15.6	15.1	1.55
9	332	269	072	0	3.97	11.1	7.24	158.	9.81	22.3	22.7	1.38
10	306	219	241	0	2.20	5.25	6.13	58.4	9.13	15.5	18.6	1.30
11	306	179	198	0	1.29	33.3	95.7	35.6	8.86	17.5	15.4	1.24
12	201	160	110	0	2.64	66.8	18.5	29.7	7.76	21.2	10.2	1.24
13	281	148	095	0	2.14	33.0	18.8	28.2	11.9	14.2	9.13	1.17
14	258	148	090	0	1.00	35.1	41.3	32.2	12.3	9.67	8.31	1.11
15	237	142	090	0	1.54	22.8	225.	41.2	9.81	26.7	7.50	1.05
16	237	137	086	009	1.32	18.5	57.1	33.6	8.04	40.9	6.86	1.05
17	237	137	086	1.61	766	24.4	84.1	23.6	6.37	29.6	6.25	997
18	237	126	072	916	567	10.1	60.0	19.8	8.72	36.3	5.78	997
19	218	115	064	697	865	20.8	50.5	26.1	20.7	30.6	5.34	942
20	218	126	056	440	789	18.1	41.3	40.0	19.7	37.3	5.34	942
21	218	126	052	306	918	9.40	29.6	35.0	20.3	31.1	4.81	889
22	218	126	045	333	796	8.04	24.6	22.7	23.9	45.5	8.22	838
23	201	115	034	335	863	6.49	105.	20.9	19.2	32.4	6.15	838
24	186	115	031	230	1.42	6.37	45.1	19.6	16.3	26.8	4.51	788
25	186	115	090	210	972	5.44	114.	19.5	22.1	31.1	3.94	740
26	186	189	077	3.92	943	4.51	35.8	15.8	31.7	24.0	3.59	694
27	186	195	078	1.55	743	3.76	111.	16.6	62.7	29.5	3.26	650
28	172	142	081	1.13	1.54	3.87	114.	13.9	97.5	27.2	2.95	694
29	172	131	060	478	918	4.22	41.6	27.8	35.8	28.1	2.65	694
30	172	=	045	306	695	3.85	35.0	24.2	29.3	20.8	2.38	650
31	186	=	038	=	567	=	31.3	14.5	=	49.2	=	607
MOY	255	154	084	420	4.03	13.9	51.0	32.3	21.0	26.8	14.0	1.18

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	607	237	086	041	377	3.70	1.61	15.8	24.9	39.3	2.13	455
2	607	237	077	034	259	2.87	1.51	9.81	28.6	31.0	2.02	422
3	566	237	077	028	193	1.86	8.18	8.17	27.6	22.8	1.80	422
4	527	218	077	041	166	1.38	5.34	7.11	59.4	18.3	1.65	422
5	490	218	060	031	186	1.14	4.22	6.25	199.	17.6	1.51	406
6	566	201	060	041	142	972	3.19	5.45	64.3	18.6	1.42	390
7	607	186	060	041	764	972	2.45	4.61	82.0	42.5	1.27	422
8	607	186	060	034	5.12	1.28	1.96	23.8	138.	25.4	1.24	422
9	566	172	060	045	1.66	998	1.60	19.7	119.	20.2	1.14	422
10	527	172	052	034	8.75	813	5.65	9.13	131.	18.3	1.05	406
11	527	172	052	031	2.71	672	2.67	7.63	72.0	28.8	1.03	390
12	490	160	052	025	1.32	567	1.85	58.4	68.8	22.4	997	390
13	490	160	045	019	918	473	1.65	30.4	53.8	20.5	970	360
14	455	148	045	079	695	97.5	1.81	23.1	97.7	16.1	916	625
15	422	148	031	095	528	13.1	1.55	15.5	76.6	12.3	838	789
16	422	137	031	081	438	6.86	2.52	33.7	107.	9.53	838	650
17	390	137	038	064	346	7.38	2.19	21.8	54.9	8.72	788	566
18	360	137	038	048	348	4.04	1.96	28.6	40.7	7.90	788	490
19	360	126	031	041	1.46	5.69	2.32	21.1	41.5	7.24	740	455
20	360	126	025	28.1	1.33	3.77	1.96	16.6	34.4	6.49	694	422
21	332	126	025	2.71	791	2.95	1.55	30.5	60.3	6.01	650	360
22	306	115	025	1.09	509	2.32	41.2	23.7	37.5	5.67	607	360
23	332	115	031	741	475	1.85	15.5	31.7	31.9	5.23	607	332
24	306	115	038	587	361	1.60	11.5	33.4	25.8	4.61	566	306
25	306	105	038	440	2.06	1.70	22.9	25.1	24.3	4.22	566	281
26	281	105	038	346	4.20	1.21	53.1	148.	24.9	3.76	527	281
27	281	105	031	293	5.18	1.27	21.0	97.8	35.0	3.42	527	258
28	258	095	031	248	2.26	1.14	17.5	40.0	32.9	3.10	490	258
29	258	=	025	210	1.29	1.03	59.6	38.8	22.1	2.87	490	258
30	237	=	038	376	25.7	1.12	28.2	164.	18.5	2.52	490	258
31	237	=	060	=	6.81	=	23.6	31.0	=	2.38	=	258
MOY	422	157	046	1.20	2.49	5.81	11.3	33.3	61.2	14.1	978	404

DEBIT MINI 0.0 DATE IERE OBSERVATION 7 AVR

DEBIT MINI 0.019 DATE IERE OBSERVATION 13 AVR

DEBIT MAXI 257. DATE IERE OBSERVATION 15 JUL

DEBIT MAXI 289. DATE IERE OBSERVATION 30 AOU

DEBIT MOYEN ANNUEL 13.8 M3/S

DEBIT MOYEN ANNUEL 11.0 M3/S

ANNÉE 1978												ANNÉE 1979																			
TUGO				VOLTA				KARA				LAMA-KARA I				TUGO				VOLTA				KARA				LAMA-KARA I			
STATION NUMERO 47273910												STATION NUMERO 47273910																			
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S																			
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC								
1	.258	.115	.025	.115	2.20	.628	7.12	27.6	150.	18.8	20.6	1.46	1	.764	.218	.081	.131	3.64	11.5	4.61	58.5	385.	70.7	8.17	1.38						
2	.258	.115	.031	.110	1.51	7.96	6.13	24.6	84.3	24.2	17.3	1.38	2	.672	.218	.077	3.97	1.38	4.58	3.77	62.2	120.	69.6	6.98	1.34						
3	.237	.115	.048	.105	19.7	1.32	123.	24.0	105.	24.6	15.4	1.30	3	.628	.201	.077	2.41	1.06	3.78	3.02	50.5	67.0	46.4	12.6	1.27						
4	.237	.105	.056	.105	4.54	3.22	35.1	22.5	83.2	20.1	21.1	1.30	4	.607	.193	.072	1.06	4.65	2.87	35.0	41.1	472.	38.6	6.86	1.20						
5	.218	.105	.056	.100	3.02	1.41	19.3	27.0	98.1	29.6	13.9	1.24	5	.587	.179	.068	.630	1.63	11.9	32.0	75.6	152.	37.2	18.7	1.17						
6	.218	.105	.068	.086	2.88	6.13	15.6	53.1	95.0	22.8	9.54	1.17	6	.566	.172	.064	.391	.997	3.96	22.8	40.4	83.2	42.8	15.5	1.14						
7	.201	.095	.072	.081	2.03	4.45	39.4	25.8	58.0	15.5	8.58	1.17	7	.566	.172	.056	.293	.998	2.66	18.2	45.3	584.	60.9	9.12	1.11						
8	.201	.086	.081	.201	2.05	2.47	30.8	66.1	44.3	14.6	7.76	1.17	8	.607	.172	.048	.238	1.28	2.13	17.3	40.0	184.	253.	6.85	1.08						
9	.201	.086	.120	1.03	1.87	1.75	40.6	59.6	175.	12.3	7.11	1.11	9	.566	.166	.045	.179	1.32	1.67	26.6	35.5	223.	70.2	6.13	1.05						
10	.186	.086	.115	1.07	1.31	2.98	27.9	55.4	59.1	16.8	6.61	1.05	10	.547	.160	.045	.154	.946	13.5	11.6	27.6	96.7	49.2	5.45	.997						
11	.186	.086	1.83	.511	1.39	3.27	24.6	30.5	59.7	9.81	5.78	.997	11	.527	.160	.045	.179	.650	6.52	29.3	23.3	78.5	41.5	5.02	.970						
12	.186	.086	1.41	.346	1.38	3.50	49.5	31.9	40.7	14.7	5.23	.942	12	.527	.154	.045	.154	.509	3.86	16.6	108.	76.2	36.2	4.41	.942						
13	.186	.068	.677	.293	2.95	3.11	32.3	213.	47.0	8.45	4.71	.942	13	.490	.148	.052	.131	.473	2.87	9.53	46.4	49.0	55.5	3.94	.889						
14	.172	.060	.456	.258	2.08	1.97	111.	110.	46.2	7.37	4.22	.889	14	.473	.148	.052	.120	.377	2.39	53.7	38.4	42.8	36.9	3.67	.889						
15	.172	.052	.346	.237	1.51	38.4	543.	49.6	202.	6.85	3.94	.889	15	.455	.148	.064	.100	.306	2.33	41.5	60.1	70.5	31.3	3.50	.838						
16	.172	.045	.282	.201	1.17	19.8	165.	268.	70.0	7.13	3.59	.889	16	.438	.142	.064	.095	.270	19.8	22.5	76.4	191.	26.7	3.42	.838						
17	.186	.038	.237	.396	2.31	120.	119.	166.	49.0	12.7	3.34	.889	17	.406	.137	.056	.127	.514	6.88	26.7	83.3	64.3	23.6	3.10	.788						
18	.186	.031	.218	1.07	2.34	23.4	146.	114.	81.7	9.13	3.10	.889	18	.390	.137	.048	.115	1.54	8.18	44.9	169.	67.6	21.2	2.87	.788						
19	.186	.022	.186	1.06	1.27	16.9	104.	86.8	45.1	8.04	2.87	.889	19	.360	.131	.045	.661	.818	5.45	44.0	81.7	88.0	18.9	2.65	.788						
20	.186	.014	.166	.475	1.14	13.5	58.7	250.	131.	12.0	2.72	.889	20	.346	.126	.064	.702	.587	6.76	28.2	206.	131.	17.3	2.52	.764						
21	.186	.009	.148	.319	.998	17.6	44.2	76.7	49.5	6.86	2.52	.863	21	.332	.126	.064	.285	.440	4.82	30.3	190.	61.6	16.5	2.38	.740						
22	.172	.002	.137	.237	.838	9.40	307.	212.	39.9	15.4	2.38	.838	22	.306	.115	.056	.186	.346	3.13	24.8	190.	242.	15.1	2.32	.717						
23	.160	0	.195	.293	.694	11.2	239.	97.7	46.6	12.4	2.19	.788	23	.306	.105	.052	.154	.270	14.4	120.	143.	97.7	13.4	2.19	.694						
24	.148	.031	.160	.270	.587	8.19	121.	99.0	33.1	8.45	2.07	.740	24	.306	.105	.045	.131	.228	5.93	118.	62.8	82.6	10.1	1.96	.672						
25	.137	.041	.357	.357	.851	12.9	67.7	64.7	28.8	9.40	1.90	.740	25	.281	.095	.148	.120	.193	7.01	56.3	252.	168.	9.26	1.75	.650						
26	.126	.031	.348	.361	.741	41.8	117.	143.	30.0	16.7	1.85	.694	26	.281	.095	.253	.115	.166	11.7	59.3	173.	72.6	19.4	1.65	.607						
27	.148	.031	.248	.436	.628	20.4	61.7	76.2	33.8	44.6	1.80	.694	27	.258	.086	.393	.095	3.69	8.99	84.0	71.5	54.8	15.4	1.60	.587						
28	.148	.028	.202	3.50	.527	20.4	49.7	100.	24.0	44.4	1.75	.694	28	.258	.086	.248	.450	4.26	8.31	49.9	337.	43.5	10.4	1.55	.566						
29	.137	=	.166	2.77	.509	13.9	41.9	77.1	32.6	86.4	.942	.694	29	.237	=	.186	1.12	3.33	7.64	36.4	105.	61.3	15.2	1.51	.527						
30	.126	=	.154	4.53	.916	8.86	38.1	64.7	19.9	31.9	.889	.694	30	.237	=	.148	1.51	2.98	5.80	31.6	171.	176.	9.81	1.46	.527						
31	.126	=	.131	=	.717	=	35.0	187.	=	24.5	=	.744	31	.237	=	.142	=	2.46	=	161.	82.3	=	8.72	=	.509						
MOY	.182	.060	.281	.697	2.15	14.7	91.0	93.7	68.7	19.2	6.19	.957	MOY	.438	.146	.094	.534	1.36	6.71	40.7	102	143.	38.4	4.99	.872						
DEBIT MINI	0.0				DATE IERE OBSERVATION				22 FEV				DEBIT MINI	0.045				DATE IERE OBSERVATION				8 MAR									
DEBIT MAXI	704.				DATE IERE OBSERVATION				15 JUL				DEBIT MAXI	680.				DATE IERE OBSERVATION				7 SEP									
DEBIT MOYEN ANNUEL	25.0 M3/S												DEBIT MOYEN ANNUEL	28.3 M3/S																	

GENERALITES :

- Superficie du bassin versant : 5 200 km²
- Coordonnées de la station : 9°54'N - 0°34'E
- Cote du zéro de l'échelle : 111 (IGN) environ
- Amplitude de l'échelle : -0,50 à 8 m
- Accès : -Radier de la piste
GUERINKOUKA-NAMOUK
-Accès difficile en
hivernage
- Date de création : 11.05.1972
- Cadence des relevés : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 88
- Maximum jaugé : H = 5.27-5.24 m
Q = 472 m³/s
Date = 23.8.78
- Nombre de tarages utilisés pour la
période 71-79 : 3
- Dernière courbe d'étalonnage utilisée :
. valide du 16.2.79 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
-0,30 A 0,0	0.0	0.0	0.0
0,0 A 0,20	25.000	0.5000	0.0
0,20 A 0,60	21.250	9.2500	1.10
0,60 A 1,80	19.853	35.250	8.20
1,80 A 3,00	17.083	81.417	78.7
3,00 A 4,60	5.0000	107.00	201
4,60 A 5,60	17.500	124.50	385
5,60 A 8,00	3.6905	160.31	527

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1973	*	*	*	*	/	.	*	*	*	*	*	*
1974	*	*	*	*	/	.	.	.	/	.	.	.
1975
1976	.	/	*	/
1977	.	/	/	/	.	/
1978	/	.	.	.	/	.
1979	.	/	/	.	/	/	/	/	/	/	/	*

- . signifie mois complet
- / signifie mois incomplet
- * signifie mois manquant

ANNEE 1973

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

DEBITS MOYENS JOURNALIERS EN M3/S

- SYMBOLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.- COMMENTAIRES :

- La station est instable en basses et moyennes eaux.

- Entre le 11.05.72 et le 10.03.76, il n'y a eu que
deux jaugeages de faits, les débits de basses et
moyennes eaux (< à 50 m³/s) des années 72 à 76 donnés
dans ces annales sont donc assez incertains.

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	*	*	*	*	1.87	*	*	*	*	*	*
2	*	*	*	*	*	1.99	*	*	*	*	*	*
3	*	*	*	*	*	2.11	*	*	*	*	*	*
4	*	*	*	*	*	2.80	*	*	*	*	*	*
5	*	*	*	*	*	2.64	*	*	*	*	*	*
6	*	*	*	*	*	2.88	*	*	*	*	*	*
7	*	*	*	*	*	2.97	*	*	*	*	*	*
8	*	*	*	*	*	46.5	*	*	*	*	*	*
9	*	*	*	*	*	45.4	*	*	*	*	*	*
10	*	*	*	*	*	4.03	*	*	*	*	*	*
11	*	*	*	*	*	3.35	*	*	*	*	*	*
12	*	*	*	*	*	8.92	*	*	*	*	*	*
13	*	*	*	*	*	8.39	*	*	*	*	*	*
14	*	*	*	*	*	6.80	*	*	*	*	*	*
15	*	*	*	*	2.37	5.76	*	*	*	*	*	*
16	*	*	*	*	5.54	6.24	*	*	*	*	*	*
17	*	*	*	*	8.85	7.59	*	*	*	*	*	*
18	*	*	*	*	33.0	8.65	*	*	*	*	*	*
19	*	*	*	*	19.8	8.12	*	*	*	*	*	*
20	*	*	*	*	8.32	13.7	*	*	*	*	*	*
21	*	*	*	*	3.46	4.53	*	*	*	*	*	*
22	*	*	*	*	2.65	4.03	*	*	*	*	*	*
23	*	*	*	*	2.37	4.03	*	*	*	*	*	*
24	*	*	*	*	2.11	2.37	*	*	*	*	*	*
25	*	*	*	*	2.11	15.5	*	*	*	*	*	*
26	*	*	*	*	1.99	19.5	*	*	*	*	*	*
27	*	*	*	*	2.24	21.6	*	*	*	*	*	*
28	*	*	*	*	2.11	24.5	*	*	*	*	*	*
29	*	=	*	*	2.11	30.3	*	*	*	*	*	*
30	*	=	*	*	1.99	30.1	*	*	*	*	*	*
31	*	=	*	=	2.18	=	*	*	=	*	=	*
MOY	*	*	*	*	*	11.6	*	*	*	*	*	*
					DEBIT MINI	1.87		DATE 1ERE OBSERVATION		30 MAI		
					DEBIT MAXI	46.5		DATE 1ERE OBSERVATION		8 JUN		

TOGO VOLTA KARA N'NABOUPI
STATION NUMERO 47273913
ANNEE 1974

TOGO VOLTA KARA N'NABOUPI
STATION NUMERO 47273913
ANNEE 1975

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	*	*	*	*	1.82	5.73	334.	547.	741.	54.4	3.56
2	*	*	*	*	*	5.58	9.21	390.	547.	741.	53.9	2.97
3	*	*	*	*	*	35.9	24.3	383.	410.	678.	66.7	2.97
4	*	*	*	*	*	19.0	42.8	274.	362.	416.	102.	2.80
5	*	*	*	*	*	13.4	41.2	226.	299.	373.	101.	2.80
6	*	*	*	*	*	98.8	28.5	226.	558.	357.	52.8	2.64
7	*	*	*	*	*	130.	40.9	261.	746.	357.	32.7	2.64
8	*	*	*	*	350	46.1	33.3	272.	*	543.	26.9	2.50
9	*	*	*	*	350	23.5	27.2	268.	*	632.	21.1	2.37
10	*	*	*	*	350	6.24	48.6	175.	669.	706.	20.6	2.37
11	*	*	*	*	2.24	9.18	53.1	164.	380.	706.	18.7	2.37
12	*	*	*	*	1.54	11.0	74.1	210.	380.	674.	15.3	1.99
13	*	*	*	*	1.54	11.0	53.4	272.	400.	552.	15.3	1.99
14	*	*	*	*	1.09	11.0	41.2	503.	604.	327.	14.2	1.99
15	*	*	*	*	1.08	12.1	31.9	542.	670.	298.	11.8	1.99
16	*	*	*	*	2.86	13.4	36.2	424.	670.	269.	11.6	1.99
17	*	*	*	*	1.55	14.7	139.	273.	646.	221.	11.0	1.87
18	*	*	*	*	1.26	19.0	104.	238.	480.	221.	10.5	1.76
19	*	*	*	*	1.35	16.3	201.	377.	446.	292.	10.5	1.76
20	*	*	*	*	1.88	15.5	231.	443.	650.	359.	7.86	1.76
21	*	*	*	*	1.45	16.6	297.	443.	650.	246.	6.24	1.76
22	*	*	*	*	1.45	21.1	260.	401.	650.	135.	5.28	1.65
23	*	*	*	*	1.45	14.5	317.	238.	650.	127.	5.28	1.65
24	*	*	*	*	1.45	8.12	318.	235.	646.	111.	4.89	1.65
25	*	*	*	*	5.45	4.55	270.	467.	661.	175.	4.89	1.65
26	*	*	*	*	8.92	4.55	239.	241.	739.	183.	4.28	1.55
27	*	*	*	*	4.29	2.50	182.	390.	*	115.	4.03	1.55
28	*	*	*	*	3.13	13.7	104.	516.	*	79.8	3.79	1.55
29	*	*	*	*	1.61	25.8	240.	350.	*	65.0	3.56	1.55
30	*	*	*	*	1.17	19.5	329.	357.	*	64.2	3.56	1.45
31	*	*	*	*	925	-	336.	498.	=	58.7	=	1.45
MOY	*	*	*	*	*	21.6	134.	336	*	349.	23.5	2.08

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	1.35	783	657	12.1	27.2	2.64	23.7	115.	565.	238.	15.3	4.03
2	1.26	783	600	20.6	8.39	2.64	46.5	106.	298.	238.	13.7	3.56
3	1.26	783	600	15.5	4.06	2.64	45.7	214.	251.	233.	11.6	3.35
4	1.26	783	600	4.32	3.35	2.64	26.1	282.	277.	230.	10.5	3.35
5	1.17	783	546	2.57	3.69	2.37	27.4	302.	394.	185.	9.45	3.15
6	1.17	783	546	1.99	33.3	2.30	131.	266.	346.	183.	8.39	2.97
7	1.17	783	546	1.77	59.7	2.24	59.2	140.	460.	400.	8.39	2.97
8	1.17	783	546	1.17	38.8	2.11	30.6	115.	694.	430.	7.33	2.97
9	1.17	783	546	1.17	29.6	1.87	34.3	413.	694.	273.	7.33	2.64
10	1.17	783	494	1.17	16.6	1.87	89.8	472.	458.	262.	6.80	2.64
11	1.08	783	494	1.17	13.9	32.6	53.9	416.	318.	245.	5.73	2.50
12	1.08	783	494	1.65	20.3	47.3	57.6	281.	286.	203.	5.28	2.37
13	1.00	783	494	1.65	20.3	23.7	168.	266.	284.	188.	5.28	2.37
14	1.00	783	494	1.65	14.7	14.2	187.	209.	385.	175.	4.89	2.11
15	1.00	783	444	1.45	10.2	17.4	116.	211.	226.	172.	4.55	1.99
16	1.00	783	444	1.35	6.80	17.4	111.	306.	468.	172.	4.28	1.99
17	925	783	444	1.00	6.80	15.3	74.5	190.	741.	84.6	4.03	1.87
18	925	783	444	16.3	3.95	12.6	114.	142.	741.	57.9	4.03	1.87
19	925	783	396	34.3	3.35	12.6	126.	131.	740.	51.0	3.67	1.65
20	925	783	396	18.2	5.28	23.5	63.2	127.	545.	53.4	3.56	1.65
21	852	783	396	9.71	4.55	39.9	47.0	213.	432.	40.9	3.92	1.65
22	852	718	396	5.67	3.50	25.8	140.	318.	824.	35.9	3.91	1.65
23	852	718	396	3.36	2.97	28.8	268.	318.	733.	30.9	3.56	1.65
24	852	718	396	2.32	2.97	40.9	142.	275.	332.	28.0	3.56	1.55
25	852	657	396	2.11	2.97	33.3	102.	164.	399.	25.3	3.56	1.55
26	852	657	396	19.7	2.97	14.2	89.8	131.	342.	22.7	4.42	1.45
27	852	657	396	31.7	2.88	13.7	76.6	131.	294.	20.0	6.57	1.45
28	852	657	396	26.4	2.80	11.8	57.3	124.	294.	19.0	6.78	1.35
29	852	=	396	28.2	2.80	10.5	138.	213.	402.	17.6	5.08	1.35
30	852	=	7.23	36.4	2.72	10.5	371.	265.	272.	16.9	4.42	1.35
31	783	=	12.1	=	2.64	=	216.	587.	=	15.8	=	1.35
MOY	1.01	758	1.07	10.2	11.7	15.6	104.	240.	450.	140.	6.33	2.21

DEBIT MINI 0.350 DATE IERE OBSERVATION 8 MAI
DEBIT MAXI 746. DATE IERE OBSERVATION 7 SEP

DEBIT MINI 0.396 DATE IERE OBSERVATION 19 MAR
DEBIT MAXI 824. DATE IERE OBSERVATION 22 SEP
DEBIT MOYEN ANNUEL 82.2 M3/S

STATION NUMERO 47273913												STATION NUMERO 47273913														
ANNEE 1976												ANNEE 1977														
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S														
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC			
1	1.35	.546	*	*	3.95	20.0	24.3	63.9	51.5	111.	142.	8.39	1	1.99	.444	*	*	11.2	32.1	2.05	63.6	66.4	92.0	9.62	.570	
2	1.35	.546	*	*	2.97	42.5	21.4	116.	39.9	235.	176.	7.33	2	1.99	.396	*	*	2.81	22.7	1.90	42.7	52.1	159.	7.75	.654	
3	1.35	.494	*	*	2.37	28.0	17.9	78.7	33.5	177.	106.	6.80	3	1.99	.396	*	*	1.39	13.4	1.76	32.1	44.9	122.	7.12	.624	
4	1.26	.494	*	*	2.24	14.2	15.5	57.3	29.8	126.	80.2	6.24	4	1.87	*	*	*	1.05	12.1	2.09	25.8	63.3	92.0	5.88	.594	
5	1.26	.444	*	*	2.11	9.18	15.8	78.9	26.4	97.6	68.2	5.73	5	1.87	*	*	*	2.05	9.62	19.0	22.1	260.	73.0	4.90	.536	
6	1.26	.444	*	*	1.45	9.45	44.4	117.	164.	75.5	64.5	5.28	6	1.87	*	*	*	1.85	8.68	13.1	31.2	237.	64.9	4.25	.536	
7	1.17	.444	*	*	1.35	35.1	62.1	146.	108.	81.9	60.2	5.28	7	1.65	*	*	*	1.39	5.69	9.93	16.8	124.	66.4	4.02	.685	
8	1.17	.494	*	*	41.2	42.5	38.8	74.8	96.3	77.8	65.3	4.89	8	1.65	*	*	*	1.72	3.50	7.12	15.2	176.	73.6	3.60	.654	
9	1.17	.494	*	*	30.1	35.6	27.4	140.	79.6	71.0	61.6	4.28	9	1.55	*	*	*	1.39	3.21	6.55	13.4	177.	69.9	3.40	.685	
10	1.08	.444	*	*	17.9	40.1	22.1	217.	67.6	78.5	68.8	4.03	10	1.55	*	*	*	1.09	5.35	62.0	24.0	191.	55.8	2.87	.594	
11	1.08	.444	*	*	13.7	23.2	46.8	128.	54.9	91.3	53.9	4.03	11	1.55	*	*	*	.947	4.07	58.9	28.7	148.	52.4	2.71	.565	
12	1.00	.396	*	*	9.71	142.	128.	85.7	54.7	120.	42.5	3.79	12	1.55	*	.001	*	24.6	2.96	22.4	28.3	273.	80.1	2.41	.480	
13	1.00	.396	*	*	7.86	139.	55.2	69.1	76.0	97.0	35.4	3.56	13	1.55	*	*	*	12.4	2.35	14.9	188.	176.	63.0	2.16	.452	
14	1.00	.396	*	*	6.11	67.3	45.4	62.4	83.3	105.	30.3	3.35	14	1.55	*	*	*	6.24	3.40	9.93	88.4	172.	56.4	2.05	.425	
15	1.00	.396	*	*	4.03	145.	118.	53.4	104.	137.	26.9	3.35	15	1.45	*	*	*	3.71	*	6.50	64.5	275.	50.2	1.85	.425	
16	1.00	.396	*	*	4.03	64.0	229.	90.6	102.	173.	24.0	3.15	16	1.45	*	*	*	2.64	*	8.37	49.9	221.	45.5	1.85	.374	
17	1.00	.396	*	*	3.26	112.	100.	135.	77.3	289.	22.4	3.15	17	1.45	*	*	*	2.11	*	5.93	88.2	246.	37.4	1.68	.374	
18	1.00	.396	*	*	2.97	135.	204.	83.9	70.8	210.	20.6	2.97	18	1.35	*	*	*	1.59	*	11.2	66.7	167.	32.4	1.59	.374	
19	1.00	.350	*	*	3.91	165.	107.	138.	60.2	204.	18.7	2.80	19	1.26	*	*	*	1.59	*	9.62	93.4	135.	32.1	1.51	.374	
20	.925	*	*	*	3.46	90.4	88.6	255.	95.6	276.	17.6	2.80	20	1.17	*	*	*	1.23	*	8.37	68.3	137.	37.7	1.35	.328	
21	.925	*	*	*	3.06	61.9	79.4	223.	110.	238.	17.9	2.64	21	1.00	*	*	*	0	1.09	14.3	7.12	51.1	163.	45.8	1.27	.328
22	.783	*	*	*	2.58	43.8	57.6	168.	163.	322.	18.4	2.64	22	.925	*	*	*	7.41	.980	11.8	5.93	121.	163.	32.7	1.20	.654
23	.718	*	*	2.37	2.11	45.7	46.0	127.	111.	222.	17.9	2.64	23	.852	*	*	*	12.7	1.29	7.75	6.95	82.6	120.	29.0	1.12	.654
24	.718	*	*	2.11	2.05	45.2	120.	101.	126.	177.	19.8	2.50	24	.783	*	*	*	6.01	2.81	4.80	33.7	75.2	114.	24.9	1.05	.594
25	.657	*	*	1.99	1.87	54.4	160.	82.6	151.	151.	16.1	2.37	25	.718	*	*	*	3.97	3.15	6.40	22.7	82.6	92.0	22.1	.980	.536
26	.657	*	*	3.35	1.82	51.5	228.	68.2	158.	152.	13.7	2.37	26	.718	*	*	*	2.73	1.47	3.60	32.1	66.1	99.0	21.2	.911	.374
27	.657	*	*	2.80	2.12	30.1	156.	58.4	206.	134.	12.4	2.24	27	.659	*	*	*	1.92	1.27	3.41	103.	173.	88.9	18.0	.911	.374
28	.657	*	*	2.24	2.31	24.8	171.	55.5	299.	172.	11.3	2.24	28	.600	*	*	*	1.63	20.2	2.95	50.2	124.	169.	15.9	.844	.328
29	.600	*	*	5.84	2.57	26.9	175.	63.9	220.	136.	10.2	2.24	29	.573	*	*	*	1.43	13.1	2.49	34.9	76.4	137.	13.7	.779	.285
30	.600	=	*	7.31	4.42	28.5	97.1	67.2	148.	110.	9.18	2.11	30	.494	=	*	*	15.8	9.31	2.16	167.	81.1	109.	12.1	.779	.285
31	.546	=	*	=	3.57	=	74.2	74.3	=	84.2	=	2.11	31	.469	=	*	*	=	7.44	=	87.3	104.	=	10.6	=	.285
MOY	.766	*	*	*	6.23	59.1	89.6	106.	106.	153.	44.4	3.78	MOY	1.29	*	*	*	4.68	*	26.8	67.4	153.	51.7	2.75	.484	
DEBIT MINI				0.350									DEBIT MINI					0.0								
DATE IERE OBSERVATION													DATE IERE OBSERVATION													
DEBIT MAXI				372.									DEBIT MAXI					372.								
DATE IERE OBSERVATION													DATE IERE OBSERVATION													

STATION NUMERO 47273913													
ANNEE 1978													
DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.245	.012	0	.702	17.7	3.62	34.9	116.	292.	67.3	*	5.73	
2	.245	.007	0	.351	5.39	2.64	28.7	99.7	258.	62.1	100.	5.28	
3	.210	.004	0	.285	12.1	2.10	24.9	96.4	349.	75.8	93.2	4.89	
4	.210	.001	0	.245	31.2	1.94	118.	88.0	538.	73.0	89.3	4.55	
5	.178	0	0	.194	27.1	2.73	73.6	79.8	348.	84.2	95.5	4.28	
6	.151	0	0	.510	14.9	11.5	46.1	78.3	291.	78.0	90.5	4.28	
7	.151	0	0	.328	9.93	27.1	37.4	104.	277.	56.5	68.3	3.54	
8	.151	0	0	.351	5.70	36.5	81.7	102.	213.	52.3	59.4	3.31	
9	.127	0	0	.565	4.39	23.0	75.2	295.	198.	125.	52.6	3.09	
10	.127	0	.053	.404	24.6	13.4	71.1	202.	243.	364.	44.1	2.88	
11	.127	0	.074	.265	15.2	13.7	66.1	126.	186.	188.	41.2	2.88	
12	.106	0	.015	.210	5.13	33.0	94.3	100.	165.	151.	35.6	2.68	
13	.106	0	.004	.210	9.76	28.3	88.9	107.	153.	119.	30.3	2.68	
14	.106	0	.001	2.94	9.62	17.7	74.2	279.	209.	101.	27.2	2.49	
15	.106	0	.059	2.78	4.80	15.9	318.	210.	582.	76.9	24.5	2.49	
16	.106	0	.015	1.47	9.62	175.	532.	265.	317.	63.7	22.4	2.31	
17	.106	0	.003	.980	13.7	147.	199.	326.	229.	58.7	20.3	2.14	
18	.106	0	0	.812	13.4	188.	172.	296.	239.	57.1	18.7	2.14	
19	.106	0	0	.624	10.2	68.0	335.	194.	193.	54.7	17.1	2.14	
20	.090	0	0	.480	11.5	51.4	187.	299.	229.	73.3	16.1	1.98	
21	.090	0	0	.480	6.19	43.9	158.	338.	257.	66.2	15.3	1.98	
22	.076	0	0	.452	4.58	57.1	126.	254.	166.	49.1	12.9	1.98	
23	.076	0	2.98	2.96	3.70	40.5	561.	414.	239.	56.5	11.8	1.98	
24	.064	0	.810	1.78	5.58	31.8	336.	257.	164.	52.0	10.8	1.98	
25	.064	0	2.23	1.05	9.31	66.7	382.	235.	127.	46.7	9.71	1.98	
26	.053	0	1.02	.779	10.6	56.7	334.	302.	114.	42.2	8.92	1.98	
27	.053	0	.510	.852	7.75	84.5	*	391.	133.	47.3	*	1.83	
28	.042	0	.286	1.76	5.35	67.4	199.	290.	106.	106.	*	1.83	
29	.033	=	.194	15.9	10.9	61.4	*	278.	90.8	203.	6.80	1.83	
30	.025	=	.262	19.9	7.26	42.4	155.	225.	90.8	230.	6.24	1.83	
31	.018	=	.565	=	6.32	=	137.	211.	=	168.	=	1.68	
MOY	.111	.001	.293	2.02	10.8	47.2	*	215.	233.	98.3	*	2.79	
DEBIT MINI	0.0			DATE IERE OBSERVATION							5 FEV		
DEBIT MAXI	689.			DATE IERE OBSERVATION							15 SEP		

STATION NUMERO 47273913													
ANNEE 1979													
DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	1.68	.418	.052	0	3.54	7.33	*	272.	421.	360.	40.4	*	
2	1.55	.418	.052	0	1.71	11.0	*	209.	326.	271.	*	*	
3	1.55	.418	.052	0	.990	21.1	*	168.	*	275.	*	*	
4	1.43	*	.040	0	1.43	13.1	*	253.	313.	227.	43.8	*	
5	1.43	*	.040	0	*	13.1	74.4	142.	689.	150.	*	*	
6	1.31	*	.030	0	6.31	17.9	71.9	151.	323.	179.	56.8	*	
7	1.21	*	.030	0	4.03	16.9	49.4	139.	397.	190.	56.3	*	
8	1.21	*	.030	0	4.42	19.0	*	121.	*	393.	41.2	*	
9	1.21	*	.021	0	13.1	13.7	*	*	438.	309.	*	*	
10	1.12	*	.021	1.03	16.3	15.5	43.0	76.2	277.	192.	*	*	
11	1.12	*	.021	.793	11.3	11.6	*	64.2	359.	170.	*	*	
12	1.03	*	.021	.640	5.14	14.2	48.6	61.8	361.	146.	*	*	
13	1.03	*	.014	.491	4.28	9.18	43.0	105.	*	136.	*	*	
14	1.03	*	.014	.346	3.31	5.76	*	93.2	*	149.	*	*	
15	1.03	*	.008	.275	3.32	12.6	93.7	83.7	*	114.	*	*	
16	1.03	.157	.008	.211	2.68	9.45	66.9	88.1	*	94.1	*	*	
17	.950	.157	.004	.346	*	15.8	56.8	117.	321.	82.8	*	*	
18	.871	.157	.001	.275	3.43	38.5	113.	215.	324.	*	*	*	
19	.871	.157	.001	.211	2.68	*	264.	415.	312.	67.6	*	*	
20	.793	.115	0	.157	2.14	*	171.	*	442.	59.2	*	*	
21	.793	.115	0	.115	1.83	*	128.	327.	325.	57.1	*	*	
22	.716	.085	0	.115	1.76	*	125.	696.	413.	54.7	*	*	
23	.716	.085	*	.085	1.43	*	263.	284.	421.	49.7	*	*	
24	.640	.085	*	.052	1.26	*	281.	357.	235.	46.7	*	*	
25	.565	.085	*	.157	1.12	*	250.	259.	418.	44.6	*	*	
26	.565	.085	.021	.085	1.03	*	*	408.	390.	42.8	*	*	
27	.565	.085	.014	.040	4.24	*	187.	258.	302.	53.6	*	*	
28	.491	.052	.008	.040	11.0	*	*	555.	405.	45.4	*	*	
29	.491	=	.004	.030	3.10	*	*	533.	296.	42.8	*	*	
30	.418	=	.004	1.03	2.23	*	*	276.	245.	45.4	*	*	
31	.418	=	*	=	5.79	=	181.	356.	=	47.0	=	*	
MOY	.962	*	*	.217	*	*	*	*	*	*	*	*	
DEBIT MINI	0.0			DATE IERE OBSERVATION							20 MAR		
DEBIT MAXI	803.			DATE IERE OBSERVATION							5 SEP		

GENERALITES :

- Superficie du bassin versant : 5 470 km²
- Coordonnées de la station : 10°09'N - 0°49'E
- Cote du zéro de l'échelle : 129.315 (IGN)
- Amplitude de l'échelle : -0,50 à 12 m
- Accès : Pont métallique de
l'ancienne route
KANTE-MANGO
- Date de création : 23.01.1962
- Cadence des relevés : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 66
- Maximum jaugé : H = 7.95 - 7.85 m
Q = 557 m³/s
Date = 31.08.62
- Nombre de tarages utilisés pour la
période 71-79 : 3
- Dernière courbe d'étalonnage utilisée :
. valide du 2.9.73 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
-0,50 A -0,35	0.0	0.0	0.0
-0,35 A -0,10	11.333	0.3667	0.0
-0,10 A 0,0	40.000	6.0000	0.800
0,0 A 0,50	3.6667	15.567	1.80
0,50 A 0,60	340.00	21.000	10.5
0,60 A 0,80	-100.00	63.000	16.0
0,80 A 1,60	25.417	27.042	24.6
1,60 A 3,20	8.9844	63.438	62.5
3,20 A 4,20	14.000	77.000	171
4,20 A 7,00	10.952	93.619	262

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1962	/	/	*	/	.	.	.	/
1963	/	*	/	/	/	*	*
1964	/	/
1965	.	*	*	/	/	.	.
1966	*	*	/	*	*
1967	*	/	.	/
1968
1969	.	/	/	.	.	.	/	/	.	/	/	.
1970	/
1971	/
1972
1973
1974
1975	.	/
1976
1977	/	/	.	.
1978	/	.	.
1979	/	/	.	.

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TOGC VGLTA KERAN NABOULGOU
STATION NUMERO 47274003
ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

- COMMENTAIRES :

Cadence des relevés insuffisante compte tenu de la
rapidité des crues à cette station.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	2.90	2.34	2.42	2.09	1.94	2.49	3.04	197.	307.	137.	13.7	*
2	2.90	2.34	2.34	4.30	1.88	2.92	2.79	98.3	225.	111.	13.0	*
3	2.84	2.34	2.22	5.29	1.86	3.04	2.85	107.	184.	91.2	11.9	*
4	2.79	2.30	2.15	5.55	2.09	10.7	2.51	160.	266.	85.1	10.7	*
5	2.79	2.26	2.11	3.82	2.03	11.5	2.60	107.	408.	81.9	9.80	*
6	2.74	2.26	2.04	2.85	1.94	6.10	2.63	96.7	366.	96.7	9.52	*
7	2.74	2.26	2.04	2.47	1.81	3.18	2.67	123.	316.	146.	9.00	*
8	2.70	2.22	2.01	2.36	1.79	2.95	2.58	97.5	278.	119.	8.50	*
9	2.70	2.22	2.01	2.28	1.89	2.65	7.58	75.0	266.	83.2	8.04	*
10	2.65	2.18	2.04	2.32	1.90	2.49	99.3	209.	202.	73.7	7.60	*
11	2.65	2.18	2.11	2.28	2.09	2.51	169.	210.	287.	71.2	7.17	*
12	2.60	2.26	2.01	2.17	2.79	2.58	60.4	176.	516.	62.0	6.76	*
13	2.60	2.34	1.94	2.09	2.64	2.53	35.7	179.	376.	57.7	6.56	*
14	2.60	2.30	1.91	2.04	2.32	2.51	70.8	534.	333.	54.2	6.36	*
15	2.56	2.26	1.88	2.28	2.24	2.63	88.9	513.	253.	48.7	5.98	*
16	2.56	2.26	1.86	4.70	2.13	2.58	56.6	205.	313.	42.6	5.62	*
17	2.56	2.22	1.86	2.90	2.01	2.45	123.	392.	362.	39.6	5.45	*
18	2.51	2.22	1.86	2.65	1.93	2.41	111.	279.	436.	37.2	5.28	*
19	2.51	2.18	1.83	2.38	1.87	2.67	88.1	337.	231.	52.7	4.96	*
20	2.51	2.15	1.83	2.22	2.56	2.38	125.	618.	345.	48.8	4.96	*
21	2.47	2.11	1.83	2.08	3.97	2.24	257.	614.	254.	34.5	4.80	*
22	2.47	2.15	1.84	1.99	2.94	2.51	317.	661.	219.	31.1	4.65	*
23	2.47	2.15	1.87	1.93	2.38	2.32	133.	477.	199.	28.6	4.36	*
24	2.42	2.17	1.98	1.67	2.19	2.11	144.	292.	195.	26.8	4.22	*
25	2.42	2.32	1.96	1.84	2.06	2.04	138.	289.	183.	23.0	3.96	*
26	2.42	2.58	1.91	2.64	2.03	2.24	109.	320.	77.1	20.8	3.84	*
27	2.38	2.63	1.91	2.87	2.34	2.40	100.	362.	144.	19.4	3.72	*
28	2.38	2.51	1.91	2.41	2.67	3.04	48.1	250.	127.	18.4	3.72	*
29	2.38	=	3.55	2.11	2.76	3.12	61.0	183.	124.	17.1	3.60	*
30	2.38	=	2.63	2.06	2.30	4.50	94.2	249.	127.	16.2	3.60	*
31	2.38	=	2.21	=	2.58	=	258.	274.	=	15.4	=	2.52
MOY	2.58	2.28	2.07	2.83	2.27	3.32	87.6	280.	264.	57.8	6.71	*
				DEBIT MINI	1.79		DATE 1ERE	OBSERVATION	8 MAI			
				DEBIT MAXI	661.		DATE 1ERE	OBSERVATION	22 AOU			

STATION NUMERO 47274003												STATION NUMERO 47274003													
ANNEE 1972												ANNEE 1973													
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	1.36	.545	.235	.089	.372	26.0	12.2	86.7	199.	94.2	21.2	2.52	1	3.95	.357	.075	.357	.043	.552	2.53	180.	58.4	134.	24.6	3.56
2	1.36	.545	.235	.089	.317	16.8	24.5	56.0	392.	97.8	19.2	2.38	2	3.60	.330	.075	.193	.043	.343	2.32	52.5	166.	234.	28.6	3.56
3	1.28	.545	.214	.089	.461	11.2	32.1	48.2	186.	110.	18.3	2.25	3	2.66	.305	.061	.137	.037	.466	22.6	47.1	86.8	283.	22.7	3.39
4	1.28	.459	.193	.082	.502	8.40	21.9	57.4	191.	108.	16.6	2.12	4	2.25	.281	.061	.120	.037	.677	14.5	79.9	202.	242.	19.6	3.23
5	1.19	.459	.193	.089	.404	9.45	13.1	80.1	175.	74.2	15.0	2.00	5	2.00	.261	.061	.104	.032	.623	9.93	72.3	408.	183.	16.9	3.23
6	1.11	.459	.174	.089	.357	12.3	9.08	141.	197.	59.5	14.2	1.88	6	1.77	.258	.049	.085	.027	1.00	4.24	58.3	391.	151.	14.1	3.07
7	1.11	.421	.174	.726	.330	9.56	10.8	97.5	207.	50.4	11.3	1.77	7	1.55	.258	.049	.075	.027	1.28	23.9	69.0	256.	129.	11.7	3.07
8	1.11	.421	.155	1.50	2.31	7.49	48.9	80.1	278.	72.3	11.8	1.77	8	1.36	.235	.037	.061	.017	.730	46.5	57.1	264.	105.	10.9	2.91
9	1.11	.387	.155	1.88	11.3	5.53	63.4	62.5	310.	69.2	10.9	1.66	9	1.28	.235	.037	.037	.017	.593	56.5	42.5	246.	90.2	10.4	2.91
10	1.03	.387	.137	1.24	5.01	4.13	71.2	56.5	259.	62.5	9.81	1.66	10	1.19	.235	.037	.027	.017	.593	45.6	264.	190.	84.7	9.83	2.91
11	1.03	.387	.137	.825	2.81	3.43	39.1	48.4	246.	129.	8.12	1.55	11	1.11	.214	.037	.017	.022	.595	19.2	420.	356.	76.1	9.45	2.75
12	.959	.357	.137	.647	1.66	4.05	26.3	79.3	231.	102.	7.99	1.55	12	1.03	.214	.027	.008	.032	2.06	9.98	291.	519.	68.8	9.08	2.75
13	.889	.357	.137	.479	1.41	11.2	42.6	81.7	206.	70.1	7.11	1.45	13	.959	.193	.027	.008	.043	6.89	6.61	168.	255.	60.8	8.52	2.75
14	.889	.357	.155	.404	1.23	12.9	62.2	54.1	211.	61.3	6.51	1.36	14	.959	.174	.027	.008	2.18	4.91	22.2	137.	213.	53.2	7.70	2.59
15	.889	.357	.193	.343	.928	7.30	33.1	43.3	221.	56.5	6.06	1.36	15	.889	.174	.017	0	4.95	3.43	12.7	139.	207.	47.7	7.07	2.59
16	.889	.330	.193	.330	4.31	4.91	23.0	47.3	161.	48.7	5.41	1.28	16	.823	.174	.017	0	3.16	2.59	6.63	115.	210.	43.7	6.71	2.59
17	.823	.330	.174	.293	57.7	2.96	8.56	50.3	140.	83.4	4.99	1.19	17	.760	.174	.017	0	2.33	20.6	6.29	244.	225.	39.7	6.36	2.43
18	.823	.330	.174	.269	29.7	5.01	34.2	38.4	110.	74.2	4.89	1.19	18	.645	.137	.017	.250	2.19	4.64	5.95	345.	172.	37.9	6.18	2.27
19	.823	.330	.155	.235	12.8	3.85	21.2	137.	131.	53.5	4.69	1.11	19	.701	.137	.017	.415	1.77	5.54	3.86	212.	142.	34.8	5.92	2.27
20	.760	.330	.155	.281	10.4	3.45	20.6	82.2	135.	64.3	4.50	1.07	20	.645	.137	.008	.259	1.04	4.05	3.51	130.	119.	31.6	5.75	2.11
21	.760	.305	.155	.880	6.17	3.11	20.4	84.8	135.	79.6	4.04	1.03	21	.645	.120	.008	.104	.825	3.03	2.32	103.	104.	30.5	5.57	1.96
22	.701	.305	.137	1.82	4.04	2.25	21.7	75.5	99.2	66.8	3.68	1.03	22	.645	.120	.008	.075	.730	1.41	2.20	82.1	137.	29.6	5.40	1.80
23	.701	.281	.137	2.06	2.19	1.94	48.5	114.	131.	52.9	3.51	1.03	23	.593	.104	.008	.061	.619	1.97	1.60	92.3	144.	26.9	4.98	1.80
24	.645	.281	.137	.372	1.77	5.13	136.	104.	109.	46.2	3.19	.959	24	.593	.104	.008	.049	.522	1.24	1.24	111.	236.	26.6	4.72	1.66
25	.645	.258	.137	.269	7.64	11.5	71.1	125.	78.9	42.0	3.03	.924	25	.545	.089	.008	.043	.404	.860	1.36	97.8	142.	25.6	4.55	1.54
26	.645	.258	.120	.183	12.4	7.22	58.7	153.	86.1	37.9	2.96	1.15	26	.545	.089	.008	.032	.975	.569	11.3	118.	103.	26.5	4.38	1.42
27	.645	.258	.120	.193	7.12	4.61	45.4	146.	96.2	34.9	2.81	1.66	27	.500	.089	.017	.027	.860	.996	21.0	89.5	166.	29.4	4.22	1.30
28	.593	.258	.104	.174	5.30	3.04	111.	137.	78.9	30.7	2.81	2.59	28	.459	.075	.017	.058	.547	.802	23.8	112.	209.	25.3	4.05	1.30
29	.593	.258	.104	.155	31.0	2.59	111.	129.	76.1	27.2	2.73	3.60	29	.459	=	.008	.062	.389	7.77	57.8	73.3	205.	23.2	3.89	1.30
30	.593	=	.089	.137	89.9	2.59	69.3	126.	56.5	25.9	2.66	3.11	30	.421	=	.008	.068	.720	5.84	17.2	62.8	123.	23.5	3.72	1.30
31	.593	=	.075	=	92.8	=	49.0	151.	=	20.8	=	2.73	31	.387	=	0	=	.375	=	11.2	54.1	=	23.2	=	1.20
MOY	.898	.364	.154	.541	13.1	7.13	43.9	89.4	171.	64.7	8.00	1.71	MOY	1.16	.185	.027	.092	.626	2.89	15.4	134.	208.	78.1	9.58	2.37
DEBIT MINI 0.075 DATE 1ERE OBSERVATION 31 MAR												DEBIT MINI 0.03 DATE 1ERE OBSERVATION 31 MAR													
DEBIT MAXI 488. DATE 1ERE OBSERVATION 2 SEP												DEBIT MAXI 519. DATE 1ERE OBSERVATION 12 SEP													
DEBIT MOYEN ANNUEL 33.4 M3/S												DEBIT MOYEN ANNUEL 37.9 M3/S													

TOGO												TJGG																	
VCLTA				KERAN				NABOULGOU				VOLTA				KEFAN				NABOULGOU									
STATION NUMERO 47274003												STATION NUMERO 47274003																	
ANNEE 1974												ANNEE 1975																	
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S																	
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC						
1	1.20	.577	.177	.244	0	.976	6.36	127.	182.	304.	31.0	6.10	1	3.23	1.80	.664	.900	8.25	1.20	1.60	115.	79.1	296.	26.3	7.34				
2	1.20	.577	.177	.137	0	.984	5.75	157.	127.	185.	47.7	5.92	2	3.23	*	.864	.770	4.89	1.10	2.71	86.2	79.3	189.	24.9	6.98				
3	1.10	.577	.177	.113	0	.908	4.47	127.	252.	226.	44.8	5.75	3	3.07	*	.864	.684	3.56	1.06	5.94	62.2	86.2	145.	22.8	6.62				
4	1.10	.577	.150	.052	0	1.07	10.5	327.	200.	194.	32.2	5.57	4	3.07	*	.800	.629	2.51	1.02	13.1	48.0	133.	125.	21.7	6.62				
5	1.02	.577	.150	.072	0	9.74	15.8	329.	191.	141.	26.9	5.40	5	3.07	*	.800	.577	2.99	1.02	28.5	44.2	120.	111.	21.3	6.45				
6	1.02	.527	.125	.063	0	93.6	13.6	195.	480.	124.	24.9	5.23	6	2.91	*	.800	.483	3.72	.936	21.8	97.3	73.6	112.	19.4	6.27				
7	1.02	.479	.125	.063	0	39.2	17.4	117.	671.	108.	24.9	5.23	7	2.91	*	.800	.353	6.05	1.02	27.1	174.	67.4	130.	18.1	6.10				
8	.936	.479	.102	.047	16.6	22.4	15.9	115.	475.	99.7	23.0	5.06	8	2.75	*	.800	.433	30.2	1.07	22.7	102.	58.2	99.4	16.9	5.92				
9	.936	.433	.102	.047	9.93	7.14	9.08	108.	275.	88.4	21.9	5.06	9	2.75	*	.741	.390	19.1	1.61	18.6	173.	60.8	88.1	15.2	5.57				
10	.864	.390	.061	.040	20.7	2.11	7.52	77.3	259.	85.9	20.8	4.89	10	2.75	*	.741	.369	5.55	4.82	51.9	139.	60.3	86.8	13.7	5.40				
11	.864	.390	.081	.027	5.01	7.89	6.45	69.9	196.	84.7	19.7	4.89	11	2.59	1.80	.741	1.61	6.89	7.98	39.0	206.	115.	76.1	12.8	5.23				
12	.800	.390	.063	.021	4.61	6.10	9.45	65.5	471.	81.7	18.6	4.72	12	2.59	1.66	.741	.908	6.62	7.35	85.3	210.	287.	79.8	11.7	5.06				
13	.800	.349	.063	.073	3.98	6.01	43.3	153.	476.	73.6	17.5	4.72	13	2.59	1.66	.741	.684	6.81	5.58	191.	433.	372.	110.	9.83	4.89				
14	.800	.349	.047	.103	3.31	4.98	26.3	97.8	371.	68.8	16.6	4.55	14	2.43	1.54	.684	.603	5.49	3.97	286.	257.	273.	75.9	9.45	4.89				
15	.741	.349	.047	.072	2.27	4.14	44.2	85.4	402.	76.9	14.7	4.38	15	2.43	1.54	.684	.552	4.89	3.23	113.	320.	258.	65.7	9.08	4.72				
16	.741	.349	.033	.047	2.15	5.84	77.9	314.	418.	64.7	13.3	4.22	16	2.43	1.54	.629	.479	4.56	2.83	71.9	401.	533.	57.9	8.98	4.55				
17	.741	.310	.027	.033	3.98	4.14	44.8	301.	440.	58.2	12.1	4.05	17	2.43	1.42	.629	.936	6.27	2.51	135.	180.	765.	59.8	8.89	4.55				
18	.741	.310	.021	.021	3.56	3.72	51.1	148.	552.	52.6	11.2	4.05	18	2.27	1.30	.629	.940	4.89	2.19	123.	131.	623.	73.6	8.71	4.38				
19	.741	.310	.017	.033	4.94	8.35	44.2	107.	319.	51.1	10.5	3.89	19	2.27	1.30	.629	12.8	3.64	2.43	90.0	117.	332.	57.9	8.61	4.22				
20	.741	.273	.012	.012	4.73	9.83	45.1	88.4	381.	49.2	9.64	3.89	20	2.27	1.20	.577	8.53	2.99	2.27	62.7	98.5	227.	59.2	8.43	4.22				
21	.741	.273	.008	.008	3.15	8.15	37.3	103.	262.	42.4	8.89	3.72	21	2.27	1.20	.577	5.84	2.51	2.99	56.3	88.1	353.	47.7	8.24	4.22				
22	.684	.239	.005	.005	5.14	6.54	51.7	134.	185.	52.4	8.34	3.72	22	2.11	1.10	.577	5.08	2.11	3.48	76.9	83.8	331.	44.0	8.24	4.05				
23	.684	.239	.002	0	7.88	5.15	68.6	177.	199.	46.9	7.97	3.72	23	2.11	1.10	.536	2.99	2.04	3.15	195.	89.1	342.	40.2	8.06	4.05				
24	.684	.239	0	0	44.3	4.22	68.7	103.	265.	41.7	7.70	3.72	24	2.11	1.10	.864	6.27	2.67	2.51	123.	77.3	499.	36.7	8.06	3.89				
25	.684	.207	0	0	22.4	4.39	47.2	125.	237.	37.4	7.52	3.56	25	2.11	1.02	.741	4.89	1.96	3.16	122.	193.	303.	34.4	19.9	3.89				
26	.634	.207	0	0	8.25	5.66	46.6	106.	283.	34.6	7.25	3.56	26	2.11	1.02	.741	3.39	1.66	3.89	79.4	146.	194.	33.4	14.5	3.89				
27	.684	.207	0	.006	4.81	10.2	88.8	138.	169.	33.6	6.89	3.39	27	1.96	.936	.684	2.51	1.54	3.31	57.3	101.	160.	16.4	9.36	3.72				
28	.684	.207	0	.012	3.56	22.0	93.3	450.	239.	31.8	6.62	3.39	28	1.80	.936	.629	3.56	1.42	3.23	54.8	76.7	141.	30.1	8.34	3.72				
29	.629	=	1.97	.005	2.35	18.9	48.1	362.	217.	30.1	6.45	3.39	29	1.80	=	.629	8.35	1.25	2.59	105.	69.6	129.	28.9	7.97	3.72				
30	.629	=	.605	.002	1.67	9.18	81.8	254.	262.	28.2	6.27	3.23	30	1.80	=	.577	23.6	1.36	1.96	77.8	61.1	113.	28.0	7.61	3.72				
31	.629	=	.434	=	1.20	=	175.	195.	=	29.9	=	3.23	31	1.80	=	1.20	=	1.30	=	66.3	62.8	=	27.4	=	3.56				
MOY	.823	.371	.155	.047	6.14	11.1	42.2	170.	315.	84.7	17.2	4.39	MOY	2.45	*	.739	3.35	5.29	2.85	77.6	143.	239.	79.5	13.2	4.92				
DEBIT MINI	0.0			DATE 1ERE OBSERVATION								24 MAR	DEBIT MINI	0.353			DATE 1ERE OBSERVATION								7 AVR				
DEBIT MAXI	671.			DATE 1ERE OBSERVATION								7 SEP	DEBIT MAXI	765.			DATE 1ERE OBSERVATION								17 SEP				
DEBIT MOYEN ANNUEL	54.4 M3/S																												

TOGU VQLTA KERAN NABCULGOU
 STATION NUMERO 47274003
 ANNEE 1976

DEBITS MOYENS JOURNALIERS EN M3/S

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	3.39	1.96	5.92	7.88	6.10	5.92	11.3	12.2	58.5	83.5	95.9	8.24
2	3.39	1.96	5.92	7.88	6.36	7.16	9.55	42.3	46.7	227.	97.5	7.88
3	3.39	1.80	6.10	7.88	4.22	9.55	8.25	37.6	42.7	252.	75.1	7.52
4	3.39	1.96	6.10	8.06	3.81	8.71	14.7	27.7	45.8	153.	65.5	7.16
5	3.39	1.96	6.27	8.06	2.19	7.25	23.3	26.9	40.7	73.9	62.8	7.16
6	3.39	1.96	6.27	8.24	3.56	26.0	28.1	41.0	181.	64.4	52.9	6.98
7	3.39	2.11	6.45	8.24	3.97	25.7	26.2	74.0	95.2	64.1	48.3	6.80
8	3.23	1.80	6.45	8.24	34.6	22.7	20.1	38.4	80.5	59.5	46.3	6.62
9	3.23	1.80	6.45	8.43	23.6	20.6	11.7	66.6	67.7	57.9	43.2	6.45
10	3.23	1.96	6.62	8.61	9.83	18.7	9.46	99.5	58.9	63.8	43.2	6.27
11	3.07	1.96	6.62	8.61	7.71	10.3	12.3	109.	45.3	79.6	37.6	6.10
12	3.07	2.11	6.62	8.80	6.36	24.1	53.3	109.	55.1	71.5	31.8	5.75
13	3.07	2.11	6.62	8.98	7.07	29.5	56.6	40.1	49.4	58.9	29.6	5.40
14	2.91	2.27	6.62	9.17	6.01	33.5	74.3	39.4	63.4	63.4	27.4	5.23
15	2.91	2.43	6.80	9.17	6.19	26.4	44.0	41.4	59.5	82.9	25.2	5.23
16	2.91	2.43	6.80	7.34	3.23	32.7	173.	43.8	56.7	96.5	24.6	5.06
17	2.91	2.43	6.80	7.88	2.91	52.1	55.7	165.	52.4	161.	23.4	4.89
18	2.91	2.59	6.98	7.88	2.43	28.1	105.	309.	50.6	114.	22.5	4.89
19	2.75	2.75	6.98	8.06	2.27	25.0	65.1	326.	35.9	105.	19.1	4.72
20	2.75	2.75	7.16	8.06	1.96	28.2	58.1	410.	51.3	134.	19.2	4.72
21	2.59	2.91	7.16	8.24	2.27	17.0	57.6	427.	162.	157.	17.5	4.55
22	2.59	3.23	7.16	8.24	2.43	15.9	38.1	241.	239.	147.	16.3	4.38
23	2.59	3.56	7.16	8.43	2.27	16.6	43.1	173.	128.	140.	14.7	4.22
24	2.59	3.89	7.34	8.43	1.96	32.2	78.2	112.	107.	107.	13.3	4.22
25	2.43	4.22	7.34	8.43	1.96	29.2	78.8	91.5	100.	113.	12.1	4.05
26	2.43	4.55	7.34	4.22	2.11	20.4	118.	57.8	182.	111.	12.7	4.05
27	2.27	4.89	7.52	4.38	2.27	11.7	54.8	76.4	129.	102.	9.83	3.89
28	2.27	5.23	7.52	5.06	3.23	15.0	64.1	73.4	207.	94.3	9.45	3.72
29	2.27	5.57	7.52	5.57	1.80	20.2	87.7	81.7	132.	183.	9.08	3.72
30	2.11	=	7.70	5.92	2.11	17.2	63.8	91.6	93.7	138.	8.71	3.56
31	2.11	=	7.70	=	1.36	=	47.6	80.9	=	93.7	=	3.56

TOGU VCLTA KERAN NABCULGOU
 STATION NUMERO 47274003
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	3.39	1.30	.310	.081	.665	.864	2.35	23.6	27.2	*	4.89	.684
2	3.23	1.20	.310	.081	.832	.800	2.67	20.8	26.0	*	4.22	.629
3	3.07	1.20	.273	.063	.578	.741	2.75	18.1	22.4	*	3.56	.629
4	3.07	1.10	.273	.047	.391	.712	12.6	13.4	25.8	30.3	3.72	.577
5	3.07	1.02	.239	.063	.329	.742	30.1	10.9	57.6	28.9	3.97	.577
6	2.91	1.02	.239	.047	.256	.864	20.6	9.55	90.8	27.2	3.64	.527
7	2.91	.936	.207	.047	.207	.900	7.43	8.25	70.9	25.7	3.31	.527
8	2.91	.936	.207	.033	.177	1.25	5.75	6.01	193.	25.7	3.07	.479
9	2.91	.864	.177	.033	.177	1.02	24.5	7.65	378.	24.1	2.91	.479
10	2.75	.864	.177	.021	.192	.832	37.1	19.1	163.	21.7	2.75	.433
11	2.75	.830	.150	.021	.177	.800	21.9	11.2	114.	18.9	2.59	.433
12	2.59	.800	.150	.012	.137	2.48	5.37	9.65	123.	23.0	2.43	.390
13	2.59	.741	.125	.012	4.22	8.06	6.62	46.2	107.	25.7	2.27	.349
14	2.59	.684	.125	.005	2.43	12.3	12.5	27.0	85.9	24.1	2.03	.390
15	2.59	.684	.102	.005	1.48	26.5	14.8	16.6	86.5	*	1.88	.433
16	2.43	.684	.102	.005	1.06	15.9	8.43	19.8	74.4	19.1	1.66	.433
17	2.43	.629	.102	0	.900	9.00	5.23	25.9	60.8	9.08	1.54	.390
18	2.27	.629	.102	0	.770	6.36	3.15	41.6	69.2	12.4	1.54	.349
19	2.27	.577	.081	0	.657	5.15	3.15	32.2	54.2	15.7	1.42	.310
20	2.11	.577	.081	0	.603	7.59	4.22	28.8	65.4	14.6	1.30	.310
21	1.80	.527	.081	0	.552	6.04	4.22	30.2	48.3	13.8	1.30	.310
22	1.80	.527	.063	0	2.76	3.97	4.89	102.	72.7	11.1	1.20	.273
23	1.80	.479	.063	7.57	5.06	3.15	94.4	75.6	86.9	10.1	1.10	.310
24	1.66	.479	.063	13.5	3.98	2.27	34.3	68.8	*	9.36	1.02	.349
25	1.66	.433	.063	1.48	1.67	1.96	26.0	44.8	*	8.52	.936	.349
26	1.54	.390	.047	1.02	1.25	1.48	24.8	38.8	*	7.43	.864	.310
27	1.54	.390	.047	.742	1.06	1.54	24.2	48.9	83.5	6.98	.800	.273
28	1.42	.390	.047	.603	1.90	2.75	14.5	50.7	104.	6.53	.800	.273
29	1.42	=	.047	.552	1.82	2.51	20.0	34.9	72.3	6.18	.741	.239
30	1.42	=	.081	.479	1.31	2.19	32.8	30.9	57.6	5.66	.741	.207
31	1.30	=	.081	=	.940	=	27.0	34.8	=	5.32	=	.207

MOY 2.87 2.30 6.84 7.75 5.44 21.3 51.4 115. 90.6 111. 33.8 5.39

DEBIT MINI 1.60 DATE IERE OBSERVATION 3 FEV

DEBIT MAXI 427. DATE IERE OBSERVATION 21 AOU

DEBIT MOYEN ANNEEL 36.1 M3/S

MOY 2.33 .745 .136 .865 1.24 4.36 17.5 30.9 * * 2.14 .401

DEBIT MINI 0.0 DATE IERE OBSERVATION 17 AVR

DEBIT MAXI 378. DATE IERE OBSERVATION 9 SEP

TOGC	VOLTA			KERAN			NABOULGOU					
STATION NUMERO 47274003												
ANNEE 1978												
CEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.177	.021	0	.310	24.5	5.23	7.97	72.2	225.	62.6	29.3	5.06
2	.177	.012	0	.433	22.3	3.80	9.93	64.7	202.	56.3	26.7	5.06
3	.150	.005	0	.311	10.2	4.22	14.0	60.5	165.	57.8	25.6	4.89
4	.150	0	0	.223	8.06	5.06	19.6	69.9	331.	72.4	22.9	4.72
5	.125	0	0	.192	6.63	6.27	18.1	87.5	333.	54.4	23.2	4.55
6	.125	0	0	.164	5.07	10.2	13.8	100.	228.	43.7	26.3	4.38
7	.102	0	0	.137	3.41	9.74	7.79	94.5	244.	37.9	23.9	4.38
8	.102	0	0	.102	2.04	8.34	16.9	117.	141.	35.2	21.7	4.22
9	.081	0	0	.144	1.54	6.71	64.7	231.	118.	93.2	19.4	4.05
10	.081	0	0	.505	6.72	5.75	58.8	88.1	140.	105.	16.9	4.05
11	.063	0	0	.552	3.90	4.81	68.3	66.9	112.	63.9	15.2	4.05
12	.063	0	0	.742	1.48	6.31	146.	119.	143.	45.0	12.8	3.89
13	.047	0	0	1.43	4.06	19.0	43.6	169.	121.	40.5	10.6	3.89
14	.047	0	.081	8.87	7.70	11.2	59.8	186.	161.	36.3	9.74	3.72
15	.047	0	0	4.39	6.62	4.72	223.	96.9	450.	33.8	9.08	3.56
16	.033	0	0	1.66	5.57	49.5	247.	80.5	559.	32.6	8.71	3.39
17	.033	0	0	.715	6.18	73.3	122.	134.	396.	30.7	8.43	3.39
18	.033	0	0	.412	5.75	49.2	100.	106.	300.	30.0	7.97	3.39
19	.033	0	0	.292	4.14	27.5	248.	94.1	207.	28.5	7.61	3.23
20	.033	0	0	.223	2.75	21.1	156.	268.	142.	27.6	7.43	3.23
21	.021	0	0	.177	2.64	19.2	97.2	223.	108.	38.2	7.07	3.23
22	.021	0	0	.150	1.48	14.4	89.3	138.	109.	*	6.53	3.07
23	.021	0	0	.137	1.57	10.0	316.	145.	155.	28.7	6.10	3.07
24	.021	0	0	.217	2.27	9.17	198.	200.	128.	26.8	7.28	3.07
25	.033	0	0	.369	6.37	8.52	149.	167.	93.4	24.6	8.52	3.07
26	.033	0	6.00	.126	9.09	8.15	459.	203.	94.0	22.8	8.15	2.91
27	.033	0	2.04	.164	6.10	8.15	413.	250.	104.	22.8	7.79	2.91
28	.033	0	1.42	.192	4.64	9.08	131.	141.	83.5	48.6	7.16	2.75
29	.033	=	.742	5.55	3.15	10.2	108.	164.	71.6	37.2	6.10	2.75
30	.033	=	.552	11.0	7.53	9.46	90.2	132.	62.9	41.1	5.32	2.59
31	.033	=	.412	=	6.18	=	59.2	174.	=	35.2	=	2.59
MGY	.065	.001	.363	1.34	6.11	14.6	121.	137.	191.	*	13.4	3.65

DEBIT MINI C.C DATE IERE DESERVATION 4 FEV

DEBIT MAXI 559. DATE IERE DESERVATION 16 SEP

TOGC	VOLTA			KERAN			NABOULGOU					
STATION NUMERO 47274003												
ANNEE 1979												
DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	2.75	.603	.072	.102	0	8.06	16.9	145.	180.	255.	*	5.92
2	2.67	.577	.063	.063	6.49	7.52	14.4	117.	226.	228.	*	5.75
3	2.59	.527	.055	.033	9.65	5.58	9.84	81.2	141.	194.	*	5.40
4	2.51	.479	.047	.033	7.70	10.6	16.9	118.	321.	180.	*	5.40
5	2.43	.433	.040	.021	5.08	8.52	44.9	81.8	488.	129.	*	5.23
6	2.35	.390	.033	.021	2.99	6.71	60.1	79.6	345.	112.	*	5.06
7	2.27	.349	.033	.012	1.61	6.01	71.8	72.8	273.	108.	*	4.89
8	2.11	.310	.027	.005	1.15	13.8	55.4	75.9	454.	160.	*	4.72
9	2.03	.273	.021	0	7.47	17.2	47.7	104.	275.	203.	*	4.55
10	2.67	.239	.021	0	6.20	17.6	48.4	64.4	243.	145.	*	4.38
11	2.35	.207	.017	0	4.35	36.9	77.9	51.8	243.	86.2	*	4.38
12	1.96	.177	.012	0	5.24	74.1	40.8	44.0	247.	56.3	*	4.22
13	1.73	.150	.008	0	3.80	89.4	35.9	63.4	186.	72.7	*	4.22
14	1.60	.125	.005	0	3.15	28.5	34.8	69.8	211.	73.0	*	4.22
15	1.48	.102	0	0	2.83	22.6	58.7	120.	170.	83.2	*	4.05
16	1.42	.081	0	0	1.42	9.00	46.9	159.	*	73.0	*	3.89
17	1.42	.063	0	0	1.11	8.15	75.9	292.	339.	66.3	*	3.89
18	1.30	.310	0	0	.900	10.6	106.	143.	207.	60.5	*	3.72
19	1.25	.273	0	0	.770	27.9	102.	149.	160.	51.4	*	3.56
20	1.15	.239	0	0	.657	21.3	98.1	146.	120.	48.6	*	3.56
21	1.10	.192	0	0	.552	10.0	72.7	224.	103.	44.5	*	3.39
22	1.06	.164	0	0	.456	7.52	79.3	531.	223.	40.2	*	3.39
23	1.02	.150	0	0	.369	5.96	122.	290.	290.	37.0	*	3.23
24	.936	.125	0	0	.292	9.64	311.	141.	314.	35.9	*	3.23
25	.900	.113	.468	0	.256	7.97	199.	125.	261.	34.0	*	3.07
26	.832	.102	.742	0	4.02	8.16	127.	235.	280.	32.8	*	2.91
27	.800	.092	.578	0	41.2	20.6	116.	151.	220.	31.4	*	2.91
28	.741	.081	.311	0	29.9	19.0	70.3	220.	199.	*	*	2.91
29	.712	=	.192	0	20.0	9.93	27.3	227.	174.	*	*	2.75
30	.684	=	.103	0	19.7	8.43	73.6	248.	222.	*	*	2.59
31	.629	=	.040	=	12.5	=	87.3	198.	=	*	=	2.43
MOY	1.59	.247	.093	.010	6.51	17.9	75.7	154.	*	*	*	3.99

DEBIT MINI 0.0 DATE IERE OBSERVATION 15 MAR

DEBIT MAXI 573. DATE IERE OBSERVATION 22 AOU

GENERALITES :

- Superficie du bassin versant : 3 695 km²
- Coordonnées de la station : 10°09'N - 1°06'E
- Cote du zéro de l'échelle : 178 (IGN) environ
- Amplitude de l'échelle : 0 à 10 m
- Accès : Radier de la route
KANTE-BOUKOMBE
- Date de création : 15.01.1962
- Cadence des relevés : 1 relevé par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 77
- Maximum jaugé : H = 5.72-5.82 m
Q = 564 m³/s
Date = 5.9.64
- Nombre de tarages utilisés pour la
période 71-79 : 2
- Dernière courbe d'étalonnage utilisée :
. valide du 21.7.71 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,20	0.0	0.0	0.0
0,20 A 0,40	7.0000	0.0	0.0
0,40 A 1,00	21.583	4.9167	0.280
1,00 A 1,50	11.667	40.167	11.0
1,50 A 3,20	10.833	51.583	34.0
3,20 A 4,40	23.611	90.833	153
4,40 A 5,80	34.694	148.57	296
5,80 A 7,00	16.667	236.67	572

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1962	/	.	.	.	/	/	/	/	/	.	.	.
1963	/	.	.	.
1964
1965	.	/	*	/
1966
1967
1968	/
1969	/	/	/	/	.
1970
1971
1972
1973
1974	/
1975
1976	/
1977
1978
1979	/	.

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TOGO VCLTA KERAN TITIRA
 STATION NUMERO 47274006
 ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
- . + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

- La traduction hauteur-débit est assez imprécise pour les très basses eaux ($Q < 0,150 \text{ m}^3/\text{s}$)
- La cadence des relevés est insuffisante compte tenu de la rapidité des crues à cette station. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire, des débits donnés dans ces annales pour l'étude des crues et des modules.

	CEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	2.23	.946	.848	.591	.204	3.09	2.94	85.9	149.	85.0	11.8	3.70
2	2.23	.946	.591	12.2	.204	2.65	2.23	80.5	139.	65.6	11.0	3.52
3	2.10	.848	.591	6.27	.389	6.27	1.85	102.	121.	53.4	10.7	3.35
4	1.97	.848	.591	3.40	.450	2.94	1.49	81.9	154.	55.2	10.1	3.35
5	1.85	.848	.517	2.79	1.05	2.23	1.26	71.1	329.	72.1	9.51	3.35
6	1.85	.756	.517	1.72	.591	3.89	1.49	47.3	171.	50.4	8.95	3.18
7	1.72	.756	.517	1.26	.517	3.09	1.15	59.4	177.	123.	8.67	3.18
8	1.72	.756	.450	1.05	.450	2.23	1.05	50.2	154.	62.5	8.13	3.18
9	1.72	.671	.450	.946	.848	1.85	2.51	95.5	152.	45.9	7.87	3.02
10	1.60	.671	.389	.946	1.15	1.49	3.40	126.	132.	44.7	7.61	3.02
11	1.60	.591	.389	.848	.848	1.60	91.2	132.	334.	41.4	7.36	3.02
12	1.60	.756	.389	.671	2.10	1.37	32.2	155.	359.	36.6	6.86	3.70
13	1.60	.671	.389	1.57	1.26	2.79	25.3	167.	188.	35.6	6.62	3.70
14	1.60	.848	.333	1.49	1.05	2.94	112.	566.	181.	38.2	6.38	3.52
15	1.49	.756	.333	4.89	1.05	2.37	85.3	205.	170.	32.5	6.15	3.35
16	1.49	.671	.333	2.79	.756	1.72	110.	174.	162.	28.4	5.92	3.02
17	1.49	.671	.333	2.10	.756	1.72	113.	292.	422.	26.5	5.48	2.86
18	1.49	.671	.333	1.37	1.60	1.85	178.	199.	219.	24.1	5.26	2.55
19	1.49	.591	.333	1.05	1.41	1.49	53.1	417.	153.	39.3	5.26	2.41
20	1.37	.591	.284	.848	3.40	2.94	222.	645.	245.	25.0	5.05	2.26
21	1.37	.591	.671	.591	2.23	1.85	524.	781.	152.	22.2	4.85	2.13
22	1.26	.591	.517	.517	1.49	1.37	204.	334.	128.	19.5	4.85	1.99
23	1.26	.591	.450	.517	1.26	1.26	92.8	178.	154.	18.6	4.45	1.86
24	1.15	2.23	.389	.450	1.85	1.37	102.	251.	134.	18.2	4.25	1.86
25	1.05	2.79	.333	.450	1.60	1.85	68.8	219.	112.	17.7	4.06	1.74
26	1.05	1.97	.284	.389	1.26	1.85	59.4	190.	100.	16.9	3.88	1.62
27	1.05	1.37	.284	.333	1.05	2.23	74.1	191.	95.7	15.1	3.88	1.62
28	1.05	1.05	.241	.264	1.05	3.09	43.6	144.	83.2	14.7	3.88	1.62
29	1.05	=	.284	.264	1.85	4.10	34.0	133.	102.	13.9	3.70	1.62
30	.946	=	.284	.204	1.26	3.40	75.4	159.	92.8	13.5	3.88	1.62
31	.946	=	.389	=	4.34	=	452.	186.	=	12.2	=	1.62
MOY	1.50	.930	.421	1.77	1.68	2.43	89.4	210.	175.	37.7	6.55	2.66
		DEBIT MINI		0.204		DATE 1ERE OBSERVATION		30 AVR				
		DEBIT MAXI		781.		DATE 1ERE OBSERVATION		21 AOU				
		DEBIT MOYEN ANNUEL		44.6		M3/S						

STATION NUMERO 47274006													
ANNEE 1972													
DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	1.62	.580	.179	.118	1.18	16.0	39.3	68.8	348.	34.0	16.4	3.70	
2	1.50	.580	.227	.118	.811	13.9	37.1	40.3	159.	44.7	15.1	3.35	
3	1.50	.511	.227	.157	.560	9.80	22.7	50.4	125.	40.9	13.9	3.18	
4	1.39	.511	.227	.511	.447	7.87	16.0	62.5	177.	42.0	13.5	3.02	
5	1.39	.447	.202	1.62	.447	96.4	11.0	132.	109.	34.0	12.6	3.02	
6	1.28	.387	.202	2.41	.580	17.3	11.0	153.	88.9	31.4	11.8	2.86	
7	1.28	.447	.202	4.25	.511	8.67	8.13	151.	80.5	27.9	11.0	2.70	
8	1.28	.387	.179	2.13	16.9	6.38	50.4	65.0	255.	26.0	10.7	2.70	
9	1.18	.387	.179	1.28	6.15	5.48	53.4	50.4	178.	24.1	9.80	2.55	
10	1.08	.387	.179	.587	2.56	4.45	44.7	44.7	346.	22.7	9.23	2.41	
11	1.08	.387	.179	.730	2.70	3.70	25.0	46.4	206.	104.	8.67	2.41	
12	1.08	.331	.137	.580	2.41	5.70	22.2	102.	139.	44.7	8.40	2.26	
13	1.08	.331	.157	.447	1.74	11.0	92.8	51.6	125.	47.6	8.13	2.13	
14	.987	.331	.179	.447	1.18	6.86	39.3	40.9	164.	34.0	7.61	1.99	
15	.987	.280	.179	.387	.587	4.85	24.1	33.0	115.	29.9	7.11	1.99	
16	.987	.290	.179	.387	82.2	3.70	62.5	68.8	105.	27.5	6.38	1.86	
17	.987	.260	.179	.331	36.6	13.0	28.9	38.2	92.1	85.7	6.38	1.86	
18	.697	.280	.157	.331	11.0	5.70	22.7	28.9	75.1	44.7	6.15	1.86	
19	.897	.253	.157	.260	6.13	5.48	19.5	113.	68.9	39.3	5.92	1.86	
20	.897	.253	.157	.253	6.62	4.06	21.8	67.6	66.9	67.6	5.70	1.74	
21	.897	.253	.157	.253	3.35	3.18	16.0	92.8	91.0	65.6	5.26	1.74	
22	.811	.253	.157	.227	2.41	3.02	44.7	50.4	63.8	50.4	5.05	1.74	
23	.811	.280	.137	.227	1.99	3.70	23.2	97.9	73.1	34.0	4.64	1.62	
24	.811	.253	.137	.227	7.36	13.5	136.	119.	50.2	30.4	4.45	1.62	
25	.811	.227	.137	.331	19.5	9.51	42.0	75.4	43.1	29.9	4.25	1.50	
26	.811	.227	.137	.560	7.11	5.70	33.0	70.1	91.7	28.9	4.06	1.74	
27	.811	.227	.137	.447	5.48	4.85	65.6	89.2	45.3	26.5	4.06	8.67	
28	.730	.202	.137	.387	4.85	4.25	158.	65.6	48.2	23.2	3.88	6.62	
29	.730	.202	.118	.811	21.3	3.70	123.	99.4	40.1	20.9	3.88	4.85	
30	.730	=	.118	1.99	153.	38.2	47.0	111.	36.1	18.2	3.88	4.25	
31	.653	=	.118	=	32.5	=	39.3	137.	=	17.7	=	4.64	
MOY	1.03	.336	.166	.775	14.3	11.3	44.5	78.0	120.	38.7	7.93	2.85	
DEBIT MINI				0.118	DATE 1ERE OBSERVATION				29 MAR				
DEBIT MAXI				346.	DATE 1ERE OBSERVATION				1 SEP				
DEBIT MOYEN ANNUEL				26.7	M3/S								

STATION NUMERO 47274006													
ANNEE 1973													
DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	5.05	.653	.202	.101	.179	1.39	3.35	127.	65.7	173.	22.7	2.26	
2	6.38	.653	.202	.118	.179	1.99	34.0	47.6	85.3	231.	17.7	2.13	
3	4.64	.580	.202	.118	.253	1.18	18.6	34.0	50.8	148.	14.3	1.99	
4	3.52	.511	.179	.101	.179	.897	13.5	274.	135.	157.	13.0	1.99	
5	2.86	.580	.179	.101	.202	.897	47.6	65.6	483.	143.	11.0	1.99	
6	2.55	.580	.157	.202	.202	1.50	30.4	49.3	180.	105.	10.4	1.99	
7	2.13	.511	.157	.179	.179	2.13	18.2	70.1	235.	89.2	9.80	1.86	
8	2.13	.511	.157	.179	.179	1.99	15.1	44.7	152.	74.8	9.23	1.74	
9	1.99	.447	.137	.157	.157	1.28	12.6	40.3	138.	64.7	8.67	1.74	
10	1.86	.447	.137	.137	.262	.587	14.7	89.2	121.	61.0	8.40	1.74	
11	1.74	.447	.137	.118	.447	.811	8.13	162.	788.	49.0	8.13	1.62	
12	1.62	.387	.137	.118	.897	.730	5.92	99.4	203.	45.6	7.36	1.62	
13	1.50	.387	.137	.137	7.61	.653	11.0	149.	140.	42.0	6.62	1.62	
14	1.74	.331	.137	.118	4.85	.653	16.0	166.	123.	37.7	6.38	1.50	
15	1.50	.331	.118	.118	2.55	1.08	7.61	119.	104.	33.0	5.92	1.50	
16	1.39	.331	.118	.101	5.92	13.0	7.36	91.3	137.	31.7	5.70	1.50	
17	1.39	.331	.101	.101	4.85	4.25	5.48	497.	130.	29.7	5.05	1.39	
18	1.28	.331	.101	.085	3.70	3.18	11.0	162.	120.	27.5	4.85	1.28	
19	1.28	.280	.101	.101	2.13	2.55	5.26	123.	87.4	25.8	4.45	1.28	
20	1.28	.280	.101	.101	1.62	2.86	3.88	104.	80.1	24.3	4.06	1.28	
21	1.28	.280	.101	.157	1.08	3.88	3.35	75.4	67.6	22.9	4.25	1.18	
22	1.18	.253	.101	.811	.897	2.70	3.52	70.8	122.	21.3	4.06	1.08	
23	1.08	.227	.101	.511	.987	3.35	2.70	85.7	90.8	19.5	3.70	1.08	
24	.987	.227	.101	.447	2.41	1.39	3.02	115.	142.	18.8	3.35	1.08	
25	.987	.227	.118	.331	2.13	1.18	2.41	86.4	87.1	17.7	3.18	1.08	
26	.897	.227	.101	.253	1.86	1.08	2.55	119.	91.5	16.9	3.02	.987	
27	.897	.227	.179	.227	1.08	.987	2.13	65.6	248.	15.6	2.86	.987	
28	.811	.202	.137	.202	1.99	11.0	15.1	75.4	213.	17.3	2.70	.987	
29	.811	=	.137	.179	1.62	5.26	21.8	47.6	126.	16.2	2.55	.897	
30	.811	=	.118	.202	1.08	4.06	11.0	41.4	91.0	17.3	2.41	.897	
31	.730	=	.118	=	1.18	=	8.67	39.3	=	15.8	=	.897	
MOY	1.88	.385	.136	.194	1.70	2.63	11.8	108.	161.	57.8	7.20	1.46	
DEBIT MINI				0.085	DATE 1ERE OBSERVATION				18 AVR				
DEBIT MAXI				788.	DATE 1ERE OBSERVATION				11 SEP				
DEBIT MOYEN ANNUEL				29.6	M3/S								

TOGO VOLTA KERAN TITIRA												
ANNEE 1974												
STATION NUMERO 47274006												
DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.897	.331	.137	.025	.137	.511	3.70	75.5	109.	214.	34.0	*
2	.811	.331	.118	.034	.118	.653	2.86	102.	83.2	131.	32.5	*
3	.811	.331	.118	.034	.101	.987	3.52	79.5	268.	187.	24.1	*
4	.811	.280	.118	.025	.085	3.52	3.18	91.0	130.	134.	21.8	*
5	.730	.280	.118	.025	.085	3.02	13.9	94.7	150.	108.	19.5	*
6	.730	.280	.118	.025	.085	96.4	10.4	70.5	582.	90.6	18.6	*
7	.653	.280	.118	.025	.070	15.1	12.2	52.5	292.	83.2	16.4	*
8	.653	.280	.101	.025	.137	9.23	9.23	52.5	158.	74.1	14.3	*
9	.580	.253	.085	.017	1.74	5.70	6.38	47.9	151.	69.2	13.5	*
10	.580	.253	.085	.017	1.62	4.64	5.70	44.7	170.	65.3	13.5	*
11	.511	.227	.085	.017	1.39	5.48	5.70	48.2	332.	62.5	12.6	*
12	.511	.227	.085	.017	.897	4.25	53.4	53.4	216.	62.2	11.8	*
13	.511	.227	.085	.011	1.18	3.52	11.0	264.	147.	51.9	11.0	*
14	.511	.202	.085	.087	.987	2.70	7.11	77.6	181.	70.6	10.7	*
15	.447	.202	.070	.227	2.70	2.13	21.8	77.8	127.	48.7	9.51	*
16	.447	.202	.057	.179	3.52	3.70	25.0	148.	109.	42.3	8.95	*
17	.447	.202	.057	.157	2.13	4.45	15.1	128.	640.	38.7	8.40	*
18	.447	.202	.057	.137	1.74	5.70	75.4	105.	333.	37.7	8.13	*
19	.447	.202	.057	.387	1.50	8.13	26.5	70.8	167.	41.7	7.36	*
20	.511	.179	.045	.280	1.28	5.26	111.	66.0	193.	33.5	7.11	*
21	.511	.179	.045	.253	.987	3.52	25.0	69.8	153.	38.5	7.11	*
22	.511	.179	.045	.227	1.39	4.64	21.3	63.8	123.	32.5	6.86	*
23	.511	.179	.045	.227	42.0	3.70	82.2	73.4	197.	34.0	6.15	*
24	.447	.179	.045	.202	24.1	2.55	35.6	61.0	156.	29.4	5.70	*
25	.447	.157	.045	.202	13.0	2.41	26.5	141.	200.	27.9	5.26	*
26	.447	.137	.045	.157	3.02	8.95	29.9	71.3	147.	25.5	5.26	*
27	.447	.137	.034	.157	2.13	9.51	123.	80.2	169.	25.3	5.05	*
28	.447	.137	.034	.157	1.28	16.0	82.2	266.	213.	21.1	4.85	*
29	.447	=	.034	.137	.987	9.80	34.0	128.	113.	20.2	4.85	*
30	.447	=	.034	.137	.730	8.13	29.9	132.	180.	27.7	4.64	*
31	.387	=	.025	=	.580	=	153.	185.	=	25.1	=	.897
MOY	.551	.224	.072	.130	3.60	8.48	34.4	97.4	206.	63.1	12.0	*
DEBIT MINI			0.011			DATE 1ERE OBSERVATION			13 AVR			
DEBIT MAXI			733.			DATE 1ERE OBSERVATION			17 SEP			

TOGO VOLTA KERAN TITIRA												
ANNEE 1975												
STATION NUMERO 47274006												
DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	1.50	.730	.253	.157	3.70	.511	.897	68.8	65.0	187.	15.6	4.85
2	1.50	.653	.227	.157	2.55	.511	7.36	65.0	70.8	140.	15.1	4.64
3	1.39	.653	.227	.157	1.62	.447	6.15	39.3	50.4	110.	13.9	4.45
4	1.39	.580	.227	.157	.987	.653	4.85	33.5	62.5	82.2	12.6	4.45
5	1.39	.580	.227	.137	2.41	.811	12.2	47.6	68.8	74.1	11.8	4.45
6	1.39	.580	.227	.137	1.74	.730	8.13	78.8	59.4	68.2	11.0	4.25
7	1.28	.653	.227	.137	13.0	.580	14.3	104.	46.4	70.8	10.1	3.70
8	1.28	.653	.202	.179	6.62	.811	11.0	140.	44.7	59.4	9.80	3.70
9	1.18	.653	.202	.179	6.67	.811	6.86	123.	47.6	54.0	9.51	3.18
10	1.08	.653	.202	.179	6.86	7.61	26.5	144.	92.8	51.6	9.23	3.02
11	1.08	.580	.202	.653	5.92	5.70	19.5	155.	162.	49.3	8.67	2.86
12	1.08	.580	.202	.511	4.45	4.64	92.8	119.	160.	144.	8.13	2.70
13	.987	.580	.202	.447	3.70	3.70	182.	682.	198.	72.1	7.61	2.55
14	.987	.580	.179	.331	2.70	3.35	214.	136.	204.	62.5	7.61	2.41
15	.987	.580	.179	.280	3.35	2.86	108.	352.	216.	42.0	7.36	2.13
16	.987	.511	.179	.280	4.85	2.70	50.4	195.	807.	38.7	6.62	2.13
17	.987	.511	.179	.253	3.70	2.13	181.	132.	479.	40.9	6.62	1.99
18	.987	.447	.179	42.0	1.99	1.74	62.5	99.4	234.	43.6	6.38	1.99
19	.987	.447	.157	9.51	1.86	1.39	53.4	85.7	167.	40.3	6.15	1.86
20	.897	.387	.157	4.45	1.62	1.08	44.7	75.4	139.	38.2	6.38	1.74
21	.897	.331	.157	2.41	.987	.730	34.0	72.1	204.	34.0	6.38	1.74
22	.897	.331	.157	1.50	1.08	1.74	42.0	111.	210.	32.5	6.15	1.74
23	.897	.331	.179	5.26	.730	1.28	85.7	65.0	705.	27.9	5.70	1.74
24	.897	.331	.227	3.70	.653	1.50	44.7	78.8	292.	25.0	21.8	1.62
25	.811	.280	.202	2.41	.653	1.18	37.7	111.	153.	22.7	8.95	1.62
26	.811	.280	.179	1.50	.580	.987	53.4	167.	136.	21.8	9.51	1.62
27	.811	.280	.179	.811	.811	.897	36.1	72.1	115.	19.5	6.62	1.62
28	.811	.253	.179	1.74	.730	1.18	34.0	62.5	96.4	19.1	5.70	1.50
29	.811	=	.179	21.8	.580	.987	111.	56.4	87.1	19.5	5.48	1.50
30	.730	=	.157	7.11	.511	.811	43.1	47.0	177.	18.6	4.85	1.50
31	.730	=	.137	=	.511	=	48.1	65.6	=	16.9	=	1.50
MOY	1.05	.500	.193	3.62	2.91	1.80	54.1	122.	185.	55.7	9.04	2.60
DEBIT MINI			0.137			DATE 1ERE OBSERVATION			31 MAR			
DEBIT MAXI			807.			DATE 1ERE OBSERVATION			16 SEP			
DEBIT MOYEN ANNUEL 36.7 M3/S												

	TOGO											
	VCLTA			KERAN			TITIRA					
	STATION NUMERO 47274006											
ANNEE 1976												
DEBITS MOYENS JOURNALIERS EN M3/S												
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	1.39	.511	.253	.118	.227	1.99	5.92	31.4	39.3	53.4	62.5	6.38
2	1.28	.511	.227	.118	.227	21.8	4.64	39.3	35.0	50.4	56.4	5.70
3	1.28	.511	.227	.101	.260	7.87	3.70	32.5	41.4	57.6	49.3	5.92
4	1.28	.511	.227	.101	.253	4.06	3.18	21.8	39.3	47.6	39.3	5.70
5	1.28	.447	.227	.101	.227	2.70	4.06	62.5	30.4	42.0	35.6	5.48
6	1.28	.447	.202	.065	.331	3.35	3.35	44.7	157.	37.7	31.4	5.26
7	1.28	.511	.202	.065	.280	28.9	24.1	41.4	68.8	34.0	32.5	5.05
8	1.18	.511	.202	.070	.730	11.0	13.9	37.7	62.5	34.0	29.9	4.85
9	1.18	.653	.202	.070	19.5	19.5	9.80	319.	44.7	59.4	35.6	4.85
10	1.18	.580	.179	.070	5.70	9.51	8.13	132.	47.6	50.4	28.9	4.64
11	1.18	.580	.179	.070	2.86	8.13	327.	82.2	44.2	75.4	26.5	4.06
12	1.08	.511	.179	.070	1.99	34.0	44.7	42.0	42.0	42.0	23.2	3.88
13	1.08	.511	.179	.057	4.64	27.5	31.4	36.6	34.0	34.0	19.9	3.70
14	1.08	.447	.179	.057	2.13	17.3	43.6	37.7	36.1	33.0	18.2	3.52
15	.987	.447	.179	.057	1.39	11.0	34.0	34.0	33.0	50.4	17.3	3.35
16	.987	.447	.179	.057	.987	13.5	127.	111.	35.6	44.7	15.1	3.18
17	.897	.387	.179	.118	1.62	53.4	47.6	65.6	31.4	107.	14.7	3.18
18	.897	.387	.157	.653	.811	18.2	40.3	40.9	28.4	89.2	13.9	3.02
19	.897	.331	.157	.253	.580	19.5	48.1	72.1	26.0	50.4	13.0	2.86
20	.811	.331	.157	.137	.580	13.0	78.8	311.	96.4	42.0	12.6	2.70
21	.811	.280	.157	.179	.580	*	41.4	272.	92.8	75.4	11.8	2.55
22	.811	.280	.157	.157	.447	13.9	28.9	119.	140.	119.	11.0	2.55
23	.730	.280	.157	.137	.653	8.95	21.8	89.2	111.	82.2	12.2	2.55
24	.730	.280	.137	.118	.730	8.13	52.8	75.4	65.0	62.5	11.8	2.55
25	.730	.253	.137	.101	.730	9.23	44.7	62.5	119.	123.	11.0	2.41
26	.730	.253	.137	.118	.653	8.40	49.3	50.4	94.2	65.6	11.0	2.13
27	.653	.253	.137	.065	.987	7.11	45.9	47.6	108.	56.4	8.95	1.99
28	.653	.253	.118	.387	.730	4.85	39.3	56.4	89.2	51.6	8.13	1.99
29	.653	.253	.118	.260	3.18	10.4	50.4	44.7	73.4	47.0	7.36	1.99
30	.580	=	.118	.253	1.99	8.67	36.6	38.2	67.6	85.7	6.86	1.99
31	.580	=	.118	=	1.99	=	33.0	46.4	=	50.4	=	1.86

	TOGO											
	VCLTA			KERAN			TITIRA					
	STATION NUMERO 47274006											
ANNEE 1977												
DEBITS MOYENS JOURNALIERS EN M3/S												
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	1.86	.653	.202	.101	.227	.580	.580	17.3	23.2	30.4	3.70	.580
2	1.74	.653	.202	.101	.179	.447	.811	12.2	19.5	24.1	3.52	.580
3	1.74	.580	.202	.101	.157	1.39	.730	10.1	19.5	34.0	3.18	.511
4	1.62	.580	.202	.065	.227	.811	19.5	8.67	36.1	27.9	3.02	.511
5	1.50	.511	.179	.065	.202	.730	21.8	7.61	140.	24.1	2.70	.447
6	1.50	.511	.179	.065	.137	.580	9.23	6.86	68.8	22.7	2.55	.447
7	1.62	.511	.179	.118	.101	.331	5.92	5.70	82.2	21.3	2.26	.447
8	1.50	.511	.179	.101	.179	.580	3.70	5.26	123.	19.5	2.13	.387
9	1.50	.511	.157	.101	.157	.511	3.88	21.8	228.	18.6	2.13	.387
10	1.39	.447	.137	.137	.447	.387	31.4	16.0	158.	16.4	1.99	.331
11	1.39	.447	.137	.118	11.8	.387	10.4	10.1	99.4	16.0	1.74	.331
12	1.28	.447	.137	.101	2.26	.280	6.15	8.67	95.0	26.5	1.62	.331
13	1.28	.447	.118	.065	1.39	.280	4.64	28.9	92.8	19.5	1.50	.331
14	1.28	.387	.118	.065	1.18	.387	3.02	17.7	75.4	16.9	1.39	.331
15	1.28	.387	.118	.085	.987	34.0	3.70	9.51	53.4	15.1	1.28	.331
16	1.18	.331	.118	.070	.653	10.4	2.55	71.5	50.4	13.0	1.28	.280
17	1.08	.331	.118	.070	.447	7.36	1.99	47.6	78.1	11.0	1.18	.280
18	1.08	.331	.118	.070	.387	5.70	1.74	28.9	56.4	10.1	1.18	.280
19	1.08	.280	.101	.070	.280	6.15	1.28	34.0	89.2	10.7	1.08	.387
20	.987	.280	.101	.118	4.25	3.88	2.70	21.3	72.8	10.4	.987	.447
21	.897	.253	.101	7.61	2.86	2.70	2.26	33.0	54.6	12.6	.987	.387
22	.897	.253	.101	1.99	1.39	2.13	151.	50.4	50.4	11.0	.897	.331
23	.897	.227	.101	.987	2.13	1.62	50.4	35.0	45.9	8.95	.897	.280
24	.811	.227	.101	.811	.811	1.08	36.6	68.8	48.1	8.13	.811	.253
25	.811	.227	.101	.447	.580	.897	30.4	33.5	53.4	7.36	.730	.253
26	.811	.227	.085	.387	.447	3.18	20.4	62.5	44.7	6.86	.653	.227
27	.730	.227	.070	.331	.280	2.41	24.1	26.5	34.0	6.15	.580	.227
28	.730	.227	.057	.280	.987	2.13	16.0	39.3	92.8	5.70	.580	.227
29	.730	=	.045	.253	.811	1.86	14.3	27.0	67.6	5.05	.580	.202
30	.653	=	.157	.387	.653	.897	34.0	29.9	35.6	4.64	.580	.202
31	.653	=	.118	=	.511	=	26.5	21.8	=	4.25	=	.202

MOY .974 .412 .173 .142 1.87 * 43.5 80.6 64.5 59.8 22.5 3.61
 DEBIT MINI 0.057 DATE IERE OBSERVATION 13 AVR
 DEBIT MAXI 327. DATE IERE OBSERVATION 11 JUL

MOY 1.18 .393 .130 .512 1.20 3.14 17.5 26.4 72.9 15.1 1.59 .347
 DEBIT MINI 0.045 DATE IERE OBSERVATION 29 MAR
 DEBIT MAXI 228. DATE IERE OBSERVATION 9 SEP
 DEBIT MOYEN ANNEE 11.7 M3/S

TOGO												TOGOC															
VCLTA			KEFAN			TITIRA						VCLTA			KEFAN			TITIRA									
ANNEE 1978												ANNEE 1979															
STATION NUMERO 47274006												STATION NUMERO 47274006															
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S															
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC				
1	.179	.070	.001	.202	11.0	2.13	7.36	50.4	247.	39.3	26.5	3.70	1	1.39	.331	.137	.070	.070	4.64	15.1	82.2	166.	160.	21.3	4.45		
2	.179	.070	.001	.157	4.45	1.99	5.70	42.0	136.	35.0	21.3	3.52	2	1.39	.331	.118	.114	1.39	2.13	8.95	89.2	134.	215.	19.5	4.06		
3	.179	.070	0	.179	3.35	1.50	4.64	39.3	113.	56.4	19.5	3.35	3	1.28	.280	.118	.179	15.1	3.35	6.62	50.4	115.	144.	23.2	3.88		
4	.179	.070	0	.179	2.55	1.28	17.3	40.9	261.	37.7	18.6	3.18	4	1.28	.280	.118	.137	2.13	6.38	24.1	75.4	799.	123.	21.8	3.70		
5	.157	.070	0	.202	1.99	.987	14.3	36.6	132.	35.0	19.5	2.86	5	1.28	.260	.118	.137	1.08	3.18	75.4	62.5	308.	97.9	20.4	3.52		
6	.157	.070	.006	.857	1.74	1.62	9.51	33.0	127.	30.9	19.1	2.86	6	1.18	.280	.118	.137	.653	3.52	39.3	56.4	146.	87.8	19.1	3.18		
7	.157	.057	.006	.653	1.08	2.55	8.13	68.8	125.	27.5	18.2	2.70	7	1.08	.253	.101	.118	.447	2.26	65.6	72.1	193.	92.8	18.2	2.86		
8	.157	.057	.003	.511	.811	2.13	26.5	108.	92.8	26.5	16.4	2.55	8	1.08	.253	.101	.118	.331	28.9	28.9	139.	170.	199.	16.4	2.70		
9	.157	.057	.333	.447	.811	1.39	15.1	80.8	96.4	24.1	15.1	2.55	9	1.08	.227	.101	.118	.387	9.51	31.4	96.4	572.	96.4	14.3	2.70		
10	.137	.045	.003	1.39	.653	3.70	38.2	68.8	95.0	91.3	14.3	2.41	10	.987	.227	.085	.101	7.11	7.11	25.0	50.4	144.	78.1	13.5	2.70		
11	.137	.045	.003	1.50	4.64	2.86	104.	50.4	92.8	42.0	12.2	2.26	11	.987	.227	.085	.101	5.92	24.1	19.5	47.6	149.	73.4	12.6	2.55		
12	.137	.045	1.39	1.28	2.13	21.8	62.5	38.2	136.	36.1	11.0	2.13	12	.987	.227	.070	.085	1.62	75.4	30.4	43.6	177.	67.6	11.8	2.55		
13	.137	.045	.587	.511	3.18	7.11	75.4	274.	85.7	28.9	10.4	2.13	13	.897	.202	.070	.085	1.08	28.9	19.5	49.3	162.	93.8	11.0	2.41		
14	.137	.045	.511	.387	1.39	5.70	59.4	216.	99.4	27.5	9.80	2.13	14	.897	.202	.070	.070	.811	11.0	89.2	42.0	143.	96.4	11.0	2.26		
15	.118	.045	.387	.280	4.64	4.64	65.0	80.1	361.	26.5	9.23	1.86	15	.811	.202	.070	.057	.811	6.86	56.4	99.4	100.	68.8	*	2.13		
16	.118	.034	.280	.227	3.70	19.5	108.	85.7	596.	25.5	8.40	1.99	16	.811	.202	.057	.057	.730	4.06	34.0	82.2	361.	53.4	*	2.13		
17	.118	.034	.253	.179	5.92	26.5	136.	119.	153.	24.1	7.87	1.74	17	.811	.179	.045	.045	.730	3.35	136.	124.	158.	50.4	*	2.13		
18	.118	.034	.202	.730	4.64	34.0	111.	144.	123.	27.5	7.61	1.74	18	.730	.179	.034	.057	.511	11.0	119.	104.	125.	46.4	*	1.99		
19	.118	.025	.202	.227	2.13	24.1	281.	134.	115.	22.7	6.86	1.62	19	.653	.179	.034	.045	.331	12.6	149.	134.	180.	43.6	*	1.86		
20	.118	.025	.179	.179	1.39	16.4	115.	344.	110.	47.6	6.38	1.62	20	.653	.157	.034	.045	.253	8.13	65.6	149.	199.	40.3	*	1.74		
21	.118	.025	.157	.179	.987	14.3	102.	143.	100.	26.0	6.38	1.74	21	.580	.157	.045	.045	.253	5.70	75.4	136.	146.	37.7	*	1.74		
22	.118	.017	.157	.157	.987	13.0	65.0	182.	89.2	26.0	6.15	1.74	22	.580	.157	.057	.034	.227	4.64	59.4	182.	216.	34.0	*	1.74		
23	.118	.011	.179	.137	.857	11.0	308.	149.	129.	24.1	5.70	1.74	23	.511	.157	.057	.034	.202	10.4	251.	136.	281.	31.9	*	1.74		
24	.118	.011	7.61	.179	.580	10.4	140.	136.	75.4	20.9	5.48	1.62	24	.447	.137	.045	.034	.202	7.61	625.	92.8	204.	29.9	*	1.74		
25	.118	.006	2.26	.280	.447	8.13	95.0	193.	66.3	17.3	5.05	1.62	25	.447	.137	.085	.034	.179	5.70	119.	133.	293.	27.5	*	1.62		
26	.101	.003	.987	.227	.280	9.23	247.	277.	52.2	17.3	4.85	1.62	26	.387	.137	.070	.025	.253	11.8	132.	111.	164.	28.4	*	1.50		
27	.101	.003	.653	.179	.280	7.87	104.	204.	96.4	44.7	4.45	1.50	27	.387	.137	.057	.025	.447	8.13	115.	119.	127.	26.5	*	1.39		
28	.101	.001	.511	.157	.253	19.5	81.5	118.	56.4	34.0	3.88	1.50	28	.387	.137	.057	.025	21.3	11.4	85.7	398.	182.	24.1	*	1.28		
29	.101	=	.331	19.5	19.5	11.0	67.6	146.	49.3	35.6	3.52	1.39	29	.387	=	.045	.025	10.4	18.6	65.0	136.	222.	22.7	4.85	1.28		
30	.085	=	.253	26.0	11.0	8.67	56.4	127.	42.0	37.7	3.88	1.39	30	.331	=	.045	.045	13.0	12.6	58.2	127.	267.	23.6	4.64	1.18		
31	.070	=	.227	=	3.70	=	54.6	158.	=	34.0	=	1.39	31	.331	=	.070	=	11.0	=	90.7	123.	=	24.1	=	1.18		
MOY	.131	.039	.573	1.91	3.26	9.83	83.4	125.	135.	33.2	10.9	2.13	MOY	.808	.209	.075	.073	3.19	11.8	87.6	108.	220.	72.2	*	2.32		
DEBIT MINI	0.0		DATE IERE OBSERVATION									3 MAR		DEBIT MINI	0.025		DATE IERE OBSERVATION									26 AVR	
DEBIT MAXI	596.		DATE IERE OBSERVATION									16 SEP		DEBIT MAXI	799.		DATE IERE OBSERVATION									4 SEP	
DEBIT MOYEN ANNUEL	34.0 M3/S																										

GENERALITES :

- Superficie du bassin versant ----- : 208 km²
- Coordonnées de la station ----- : 10°36'N - 0°24'E
- Cote du zéro de l'échelle ----- : 170 (IGN) environ
- Amplitude de l'échelle ----- : 0 à 4 m
- Accès ----- : Pont de la route
GALANGACHI-BORGOU-
MANDOURI
- Date de création ----- : 16.05.1962
- Cadence des relevés ----- : 1 relevé par jour
jusqu'au 11.12.71
2 relevés par jour
à partir du 12.12.71

TARAGE :

- Nombre de jaugeages au 31.12.79 ----- : 72
- Maximum jaugé ----- : H = 2.89 m
Q = 15.3 m³/s
Date = 20.8.63
- Nombre de tarages utilisés pour la
période 71-79 ----- : 5
- Dernière courbe d'étalonnage utilisée :
. valide du 1.1.79 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,30	0.0	0.0	0.0
0,30 A 0,42	3.9286	0.0036	0.0
0,42 A 0,50	7.0833	1.2208	0.0570
0,50 A 1,00	0.6333	2.2233	0.200
1,00 A 1,70	0.3809	2.6190	1.47
1,70 A 2,40	0.7381	2.8112	3.49
2,40 A 2,55	5.3333	4.7333	5.82
2,55 A 2,76	56.122	10.357	6.65
2,76 A 2,94	6.1780	102.78	11.3

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1962	*	*	*	*	/	.	/	.	/	/	/	/
1963	/	*	/
1964	/	*
1965	*	*	*	*	*	*	*	*
1966	/
1967
1968
1969	.	/
1970	.	.	.	/	/	*	.	.
1971	.	.	/
1972
1973
1974
1975
1976
1977	/	/
1978
1979

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TOGC VCLTA KOIMEPOUARBAGA NAGBENI
STATION NUMERO 47274203
ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
 . + signifie : les hauteurs lues sont supérieures
 à la cote maximale fixée pour
 l'extrapolation de la courbe
 d'étalonnage.

DEBITS MOYENS JOURNALIERS EN M3/S

- COMMENTAIRES :

- La station est légèrement instable en basses eaux.
 Comme il n'y a pas eu de jaugeage entre le 12.12.71
 et 15.6.76, les débits de basses eaux donnés dans
 ces annales sont incertains pour cette période.
- Au-dessus de 8 m³/s, se produit d'importants
 débordements difficiles à jauger. De plus la cote
 de débordement semble varier dans le temps.
 L'incertitude sur les débits de hautes eaux est
 donc très importante.
- La cadence des relevés est insuffisante compte tenu
 de la rapidité des crues à cette station. Il convient
 donc d'être prudent dans l'utilisation que l'on
 pourrait faire des débits donnés dans ces annales,
 pour l'étude des crues et des modules.

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.034	.002	0	0	0	.026	0	.941	6.76	2.57	.330	.078
2	.042	.002	0	0	0	.084	0	.826	5.96	2.18	.330	.078
3	.626	0	0	0	0	.072	.014	.803	5.42	1.95	.290	.078
4	.034	0	0	0	0	.187	.160	1.17	4.91	1.65	.270	.078
5	.042	0	0	0	0	.244	.084	1.01	4.45	1.77	.270	.078
6	.026	0	0	0	0	.084	.050	.872	5.42	1.75	.250	.060
7	.014	0	0	0	0	.014	.034	3.30	4.49	1.57	.231	.060
8	.020	0	0	0	0	.006	.020	4.83	6.26	1.52	.211	.050
9	.034	0	0	0	0	0	.010	2.42	6.88	1.15	.211	.050
10	.020	0	0	0	0	0	.014	1.85	6.45	1.20	.211	.060
11	.010	0	0	0	0	.020	.034	1.97	5.51	1.27	.192	.060
12	.020	.026	0	0	0	.050	.050	1.52	6.32	1.10	.192	.078
13	.020	.042	0	0	0	.014	.050	2.52	5.47	.949	.173	.078
14	.010	.026	0	0	0	.006	.215	2.79	4.17	1.20	.173	.060
15	.020	.014	0	0	0	0	.545	10.3	4.25	1.02	.154	.050
16	.014	.006	*	0	0	0	.383	6.65	5.08	1.07	.135	.050
17	.006	0	*	0	0	0	2.13	4.52	4.74	.691	.135	.042
18	.010	0	*	0	0	0	2.86	4.12	5.75	.669	.154	.042
19	.020	.006	*	0	0	0	1.36	5.11	5.21	.736	.135	.042
20	.034	.006	*	0	0	0	.987	7.84	4.53	.781	.135	.042
21	.020	0	*	0	0	0	.781	13.4	4.91	.827	.116	.034
22	.010	0	*	0	0	0	.781	12.3	29.0	.603	.116	.034
23	.014	0	*	0	0	0	.803	9.74	4.17	.559	.116	.020
24	.006	0	*	0	0	0	.677	6.65	4.45	.538	.116	.026
25	.010	0	*	0	0	0	.545	7.31	5.30	.495	.116	.020
26	.002	0	*	0	0	.002	1.92	12.3	4.37	.474	.097	.020
27	0	0	*	0	0	0	1.64	15.4	3.89	.432	.097	.014
28	.002	0	*	0	1.59	0	1.29	11.3	3.38	.412	.097	.014
29	.002	=	*	0	.121	.002	1.01	10.6	3.28	.391	.097	.014
30	0	=	*	0	.050	0	1.54	9.74	2.94	.371	.097	.014
31	0	=	*	=	.020	=	1.10	7.65	=	.350	=	.014
MOY	.017	.005	*	0	.057	.027	.680	5.87	5.79	1.04	.175	.047
DEBIT MINI				0.0								
DEBIT MAXI				25.0								
DATE 1ERE OBSERVATION												
DATE 1ERE OBSERVATION												

TOGO VOLTA KOIMEPOLARBAGA NAGBENI
STATION NUMERO 47274203
ANNEE 1972

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.014	0	0	C	C	0	.125	.776	1.72	3.58	.453	.097
2	.010	0	0	0	C	0	.106	.381	1.57	3.54	.432	.097
3	.010	0	0	C	C	0	.088	.401	1.45	3.60	.412	.078
4	.014	0	0	0	0	0	.060	.401	1.38	3.01	.371	.078
5	.026	0	0	0	0	0	.107	.454	1.26	2.47	.371	.078
6	.026	0	0	0	0	0	.088	.444	1.35	2.17	.350	.060
7	.020	0	0	0	0	0	.050	.652	1.35	1.96	.330	.060
8	.014	0	0	0	0	0	.097	.603	1.55	1.87	.310	.060
9	.014	C	C	C	C	0	.163	.506	1.90	1.75	.310	.050
10	.014	0	0	0	0	0	.405	.485	2.44	1.87	.290	.050
11	.014	0	0	0	0	0	.211	.433	3.82	1.57	.270	.050
12	.014	0	0	0	C	.949	.221	.561	4.09	1.51	.250	.042
13	.014	0	0	0	0	.311	.231	.651	3.33	1.32	.250	.042
14	.014	0	0	0	0	.341	.221	.625	3.82	1.18	.231	.034
15	.014	0	0	0	0	.483	.182	.538	8.02	1.08	.211	.034
16	.006	0	0	C	0	.280	.182	.506	9.90	.998	.211	.026
17	.006	0	0	0	0	.064	.163	.464	7.08	.961	.211	.026
18	.006	0	0	0	0	.088	.144	.412	5.51	.949	.192	.026
19	.006	0	0	0	0	.116	.222	.371	6.48	.899	.192	.026
20	.006	0	0	0	0	.088	.221	.340	5.63	.862	.173	.020
21	.010	0	0	0	C	.069	.173	.310	5.10	.792	.154	.020
22	.006	0	0	0	0	.121	.163	.401	5.91	.736	.154	.020
23	.002	0	0	0	0	.173	.135	1.90	9.22	.691	.135	.020
24	.002	0	0	C	0	.125	.125	1.06	9.21	.669	.135	.020
25	0	0	0	0	0	.301	.116	.973	7.06	.625	.116	.020
26	0	0	0	0	0	.290	.116	1.05	6.20	.592	.116	.020
27	0	0	0	0	0	.260	.222	1.33	5.38	.570	.116	.020
28	0	0	0	0	0	.211	.211	1.31	4.72	.538	.116	.020
29	0	0	0	C	0	.182	.173	1.32	4.17	.517	.097	.020
30	0	=	0	0	0	.154	.106	1.76	3.58	.495	.097	.020
31	0	=	0	=	C	=	.224	1.46	=	.474	=	.034
MOY	.309	0	0	0	0	.154	.163	.739	4.47	1.41	.235	.041

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 25 JAN
DEBIT MAXI 9.93 DATE 1ERE OBSERVATION 16 SEP
DEBIT MOYEN ANNUEL 0.599 M3/S

TUGO VOLTA KOIMEPOLARBAGA NAGBENI
STATION NUMERO 47274203
ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.042	0	0	0	0	0	0	4.13	1.08	1.47	.411	.151
2	.020	0	0	0	0	0	0	1.78	.975	1.39	.389	.171
3	.020	0	0	C	0	0	0	1.15	1.22	1.30	.366	.130
4	.014	0	0	C	C	0	0	2.37	.935	1.21	.366	.110
5	.014	0	0	C	C	0	0	2.86	2.51	1.12	.321	.110
6	.014	0	0	C	0	0	0	2.77	3.84	1.00	.321	.110
7	.010	0	0	0	0	0	0	2.74	2.55	.883	.299	.110
8	.010	0	0	C	C	0	0	2.39	5.87	.909	.299	.110
9	.010	0	0	0	C	0	0	1.73	5.54	.870	.299	.110
10	.010	0	0	0	0	0	0	2.75	3.98	.818	.278	.090
11	.010	0	0	0	0	.083	0	3.43	3.82	.791	.278	.090
12	.010	0	0	0	0	.012	0	2.68	5.39	.752	.278	.090
13	.006	0	0	0	0	0	0	4.12	5.66	.700	.256	.070
14	.010	0	0	0	0	0	0	4.50	4.21	.675	.235	.070
15	.006	0	0	0	0	0	0	3.71	3.50	.662	.213	.070
16	.006	0	0	0	0	0	0	3.18	3.38	.613	.192	.070
17	.010	0	0	C	0	0	0	3.28	3.69	.564	.192	.070
18	.010	0	0	0	0	0	0	7.91	3.60	.564	.171	.090
19	.010	0	0	0	0	0	0	8.04	3.21	.540	.171	.056
20	.010	0	0	0	0	0	0	6.06	2.75	.528	.171	.056
21	.010	0	0	C	0	0	0	4.27	2.79	.505	.151	.056
22	.006	0	0	0	0	0	0	3.37	2.92	.493	.151	.056
23	.006	0	0	C	0	0	0	3.12	2.36	.493	.130	.070
24	.002	0	0	0	0	.060	0	2.75	2.38	.469	.130	.070
25	.002	0	0	0	0	.020	.079	2.61	1.95	.458	.130	.056
26	.002	0	0	0	0	.010	.006	2.24	1.73	.389	.130	.056
27	0	0	0	0	0	0	.003	1.63	1.53	.458	.110	.056
28	0	0	0	0	0	0	1.98	1.53	2.42	.446	.110	.056
29	0	=	0	0	0	0	4.80	1.49	1.90	.481	.130	.056
30	0	=	0	0	0	0	1.55	1.25	1.63	.423	.130	.044
31	0	=	0	=	0	=	.916	1.17	=	.400	=	.044
MOY	.009	0	0	0	0	.006	.301	3.13	2.98	.722	.227	.082

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 27 JAN
DEBIT MAXI 8.04 DATE 1ERE OBSERVATION 19 AOU
DEBIT MOYEN ANNUEL 0.624 M3/S

TOGO VOLTA KOIMEPOUARBAGA NAGBENI
STATION NUMERO 47274203
ANNEE 1974

DEBITS MCVENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGU	SEP	OCT	NOV	DEC
1	.044	0	0	C	0	0	0	1.46	12.8	3.48	.675	.130
2	.044	0	0	0	0	0	0	.988	10.2	3.24	.576	.130
3	.044	0	0	J	0	0	0	2.06	9.56	2.94	.576	.130
4	.044	0	0	0	0	0	0	4.82	8.89	3.71	.576	.130
5	.033	0	0	C	0	0	0	4.07	6.47	2.91	.481	.110
6	.033	J	0	C	0	0	0	3.16	10.5	2.58	.505	.110
7	.033	0	0	0	0	0	0	2.61	13.9	2.30	.481	.130
8	.024	0	0	C	0	0	0	2.24	12.8	2.12	.458	.110
9	.016	J	J	0	0	0	0	1.87	10.0	1.99	.434	.090
10	.016	0	0	G	0	0	0	1.58	11.1	2.08	.434	.070
11	.016	0	0	0	0	0	0	1.38	9.07	2.40	.389	.070
12	.010	J	0	0	0	0	0	1.26	8.04	1.95	.389	.056
13	.010	0	0	0	0	0	0	1.50	11.6	1.76	.344	.044
14	.005	0	0	C	0	0	0	1.30	10.2	1.47	.321	.056
15	.005	J	0	0	0	0	0	1.40	9.24	1.50	.321	.056
16	.005	0	0	0	0	0	0	8.63	7.97	1.39	.299	.070
17	.005	0	C	0	0	0	0	14.4	6.62	1.32	.278	.070
18	.002	0	0	J	0	0	0	10.8	6.53	1.26	.278	.056
19	.002	0	0	C	0	0	0	6.65	6.23	1.21	.256	.056
20	.002	0	0	C	0	0	0	4.97	6.35	1.16	.256	.044
21	0	J	0	0	0	0	0	5.12	5.54	1.07	.235	.044
22	0	0	0	0	0	0	.842	5.03	4.99	1.18	.235	.044
23	0	0	0	C	0	0	2.23	5.39	5.35	1.11	.213	.033
24	0	0	0	C	0	0	.729	4.43	5.27	.961	.171	.056
25	0	J	0	C	0	0	.589	3.59	5.24	.948	.171	.033
26	0	0	0	C	0	0	.565	3.13	5.37	.831	.192	.033
27	0	0	0	0	0	0	2.80	3.73	4.71	.791	.192	.033
28	0	0	0	0	0	0	2.27	5.26	4.39	.688	.171	.033
29	0	=	0	0	0	0	1.29	10.6	3.99	.700	.151	.016
30	0	=	0	C	0	0	1.54	6.93	3.84	.675	.151	.024
31	0	=	J	=	0	=	2.11	14.4	=	.662	=	.033
MOY	.013	0	0	C	0	0	.483	4.67	7.90	1.69	.340	.068

DEBIT MINI 0.0 DATE IERE OBSERVATION 21 JAN
DEBIT MAXI 14.4 DATE IERE OBSERVATION 17 AOU
DEBIT MOYEN ANNUEL 1.27 M3/S

TOGO VOLTA KOIMEPOLARBAGA NAGBENI
STATION NUMERO 47274203
ANNEE 1975

DEBITS MCVENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGU	SEP	OCT	NOV	DEC
1	.010	.010	0	0	0	.400	.033	2.51	1.44	3.21	.528	.171
2	.024	.010	0	0	0	.278	.073	2.10	1.59	2.98	.505	.151
3	.024	.005	0	0	0	.203	.090	1.96	1.58	2.63	.481	.151
4	.033	.002	J	0	0	.171	.090	1.66	1.55	2.39	.458	.130
5	.033	.002	0	0	0	.203	.110	1.32	1.33	2.61	.434	.130
6	.024	.005	0	0	0	.130	.256	1.29	1.21	2.91	.434	.130
7	.024	.005	0	0	0	.073	.171	1.11	2.84	3.19	.389	.110
8	.033	.005	0	0	0	.063	.299	.988	2.22	2.58	.389	.110
9	.024	.002	0	0	0	.063	.577	.844	2.07	2.45	.389	.110
10	.016	0	0	J	0	.100	.366	.844	1.86	2.19	.366	.110
11	.024	0	0	0	0	.140	.289	.818	1.80	2.04	.344	.090
12	.024	0	0	0	0	.100	.820	2.79	3.07	1.98	.321	.070
13	.024	0	0	0	0	.063	1.39	2.25	2.64	1.83	.299	.070
14	.016	0	0	0	0	.045	2.57	1.71	3.11	1.69	.278	.070
15	.016	0	0	0	0	.045	1.92	1.46	3.35	1.55	.278	.070
16	.024	0	0	0	0	.044	1.38	1.29	2.73	1.49	.278	.070
17	.024	0	0	0	0	.029	1.16	1.07	2.36	1.38	.256	.070
18	.024	0	0	0	0	.120	1.73	.909	2.08	1.30	.235	.070
19	.016	0	0	0	0	.110	1.12	.818	1.84	1.22	.235	.070
20	.016	0	0	0	0	.662	.522	.739	1.79	1.15	.235	.056
21	.010	0	0	0	0	.356	.778	.675	2.87	1.09	.213	.056
22	.016	0	0	0	0	.171	1.17	.638	2.45	1.01	.235	.056
23	.016	0	0	0	0	.140	1.66	.675	2.70	.935	.213	.056
24	.016	0	0	0	0	.151	2.18	.714	4.21	.857	.213	.056
25	.016	0	0	0	0	.120	1.92	.650	3.51	.804	.192	.056
26	.010	0	0	0	0	.110	1.67	.564	2.88	.752	.192	.056
27	.016	0	0	C	0	.100	1.39	.540	2.61	.675	.192	.056
28	.024	0	0	0	0	.090	1.21	.505	2.72	.675	.171	.044
29	.024	=	0	0	0	.100	3.98	.516	3.24	.625	.171	.044
30	.016	=	0	0	0	.110	2.84	.493	3.29	.576	.171	.044
31	.010	=	C	=	1.04	=	2.44	.517	=	.576	=	.044
MOY	.020	.002	0	J	.033	.150	1.18	1.12	2.43	1.66	.303	.083

DEBIT MINI 0.0 DATE IERE OBSERVATION 10 FEV
DEBIT MAXI 4.21 DATE IERE OBSERVATION 24 SEP
DEBIT MOYEN ANNUEL 0.585 M3/S

TOGC VOLTA KOIMEPOLARBAGA NAGBENI
 STATION NUMERO 47274203
 ANNEE 1976

TJGD VOLTA KOIMEPOLARBAGA NAGBENI
 STATION NUMERO 47274203
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.044	.010	0	C	0	.772	.310	.650	1.33	.267	1.07	.090
2	.044	.010	0	0	0	.714	.256	.564	1.20	.278	.975	.070
3	.044	.010	0	0	0	.516	.224	.516	1.09	.321	.883	.070
4	.044	.005	0	0	.638	.458	.203	.481	.988	.299	.765	.056
5	.044	.005	0	0	.929	.400	.171	.366	.844	.310	.713	.056
6	.016	.005	0	C	.110	.436	.171	.540	1.58	.299	.638	.056
7	.016	0	0	0	.023	.355	.161	.540	1.17	.235	.601	.070
8	.010	0	0	0	1.29	.425	.140	.540	1.07	.235	.516	.070
9	.010	0	0	0	2.15	.831	.120	1.60	.988	.224	.481	.070
10	.033	0	0	0	.344	.540	.110	2.51	.922	.224	.458	.056
11	.056	0	0	0	.245	.540	.130	1.91	.844	.213	.412	.056
12	.033	0	0	0	.171	.589	.100	1.55	.752	.192	.389	.056
13	.019	0	0	0	.130	.948	.063	1.46	.687	.182	.344	.044
14	.033	0	0	0	.100	.922	.214	1.17	.650	.171	.333	.044
15	.033	0	0	0	1.62	.739	.203	1.15	.675	.161	.300	.044
16	.033	0	0	0	1.17	.589	.290	1.07	.625	.483	.289	.044
17	.024	0	0	0	.517	.481	.278	.922	.601	.278	.278	.044
18	.024	0	0	0	.344	.412	.267	.804	.516	.379	.278	.044
19	.024	0	0	0	.278	.366	.224	.791	.469	.412	.256	.033
20	.016	0	0	0	.182	.300	.312	1.16	.553	1.04	.235	.033
21	.016	0	0	0	.316	.267	.299	3.50	.540	.589	.235	.033
22	.033	0	0	0	1.83	.245	.289	3.81	.505	.638	.213	.033
23	.016	0	0	0	2.35	.256	.278	2.72	.435	.589	.192	.033
24	.016	0	0	0	.783	.289	.235	2.07	.400	.528	.171	.024
25	.016	0	0	0	.713	.289	1.59	1.79	.377	1.20	.171	.024
26	.016	0	0	0	.552	.213	.922	1.57	.366	1.30	.151	.024
27	.016	0	0	0	.446	.203	.804	1.30	.400	1.16	.130	.016
28	.016	0	0	0	.506	.224	.778	1.33	.355	1.38	.110	.016
29	.010	0	0	0	.832	.493	.844	1.36	.321	1.43	.110	.016
30	.010	=	0	0	.528	.310	.765	1.57	.299	1.38	.110	.016
31	.010	=	0	=	.435	=	.726	1.37	=	1.20	=	.016

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.016	.005	0	C	C	0	*	.613	3.61	.857	.213	.005
2	.016	.005	0	0	0	0	*	.516	3.13	.883	.213	.005
3	.016	.005	0	0	0	0	*	.458	3.05	.883	.130	.005
4	.016	.002	0	0	C	0	.001	.377	4.23	.752	.130	.005
5	.016	.002	C	C	0	0	.001	.344	3.53	.700	.110	.010
6	.016	0	0	0	0	0	0	.289	3.32	.650	.090	.010
7	.016	0	0	0	0	0	0	.278	3.04	.625	.070	.010
8	.010	0	0	0	0	0	0	1.92	3.04	.601	.070	.010
9	.010	0	0	C	0	0	0	5.11	2.60	.576	.070	.010
10	.010	0	0	0	0	0	0	3.60	2.26	.528	.090	.005
11	.010	0	0	0	0	0	0	2.19	2.26	.458	.070	.005
12	.010	0	0	0	0	.035	0	2.76	2.34	.458	.070	.002
13	.010	0	0	0	0	.030	0	2.41	2.11	.505	.056	.002
14	.010	0	0	C	C	.010	*	1.86	2.06	.458	.056	.002
15	.010	0	0	0	0	.008	*	1.63	1.80	.411	.056	.002
16	.010	0	0	0	0	.001	*	1.43	1.67	.389	.056	.005
17	.010	0	0	C	0	0	0	2.55	1.50	.366	.056	.005
18	.010	0	0	0	0	0	0	.028	2.49	1.63	.366	.044
19	.010	0	0	0	0	0	.006	3.25	1.76	.289	.033	.002
20	.010	0	0	0	C	0	.006	4.26	1.90	.321	.033	.002
21	.010	0	0	C	0	0	.005	3.69	1.71	.289	.024	.002
22	.010	0	0	0	0	0	1.44	4.01	1.55	.267	.024	.002
23	.010	0	0	C	0	0	1.41	3.38	1.43	.267	.024	.002
24	.010	0	0	C	0	0	.378	4.57	1.32	.256	.016	.002
25	.005	0	0	0	0	0	.953	5.63	1.25	.245	.016	0
26	.005	0	C	C	0	0	.601	4.31	1.12	.224	.016	0
27	.005	0	0	0	0	*	1.89	4.65	1.08	.203	.010	0
28	.005	0	0	0	.100	*	.844	6.86	1.20	.203	.010	0
29	.005	=	0	C	.348	*	.663	6.65	1.03	.171	.010	0
30	.005	=	C	C	.045	*	.896	5.28	.961	.171	.005	0
31	.005	=	0	=	.006	=	.714	4.29	=	.182	=	0

MOY .025 .002 0 0 .630 .471 .370 1.38 .718 .568 .393 .044

MOY .010 .001 0 0 .016 * * 2.96 2.12 .437 .063 .004

DEBIT MINI 0.0 DATE IERE OBSERVATION 7 FEV

DEBIT MINI 0.0 DATE IERE OBSERVATION 6 FEV

DEBIT MAXI 3.21 DATE IERE OBSERVATION 22 AOU

DEBIT MAXI 6.86 DATE IERE OBSERVATION 28 AOU

DEBIT MOYEN ANNUEL 0.385 M3/S

TOGO VCLTA KOIMEPOLARBAGA NAGBENI
STATION NUMERO 47274203
ANNEE 1978

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	0	0	0	C	.025	.010	.256	1.09	1.36	.909	.178	.014
2	0	0	0	0	0	.010	.224	.935	1.51	.831	.160	.014
3	0	0	0	0	0	.005	.203	1.05	1.73	.791	.160	.014
4	0	0	0	C	C	.080	.182	1.04	1.82	.739	.142	.008
5	0	0	0	0	0	1.10	.161	.870	1.94	.676	.125	.008
6	0	0	0	0	0	.963	.140	.765	1.86	.594	.095	.008
7	0	0	0	C	C	.688	.161	.675	1.67	.605	.095	.008
8	0	0	0	C	0	.423	.120	.700	1.43	.617	.095	.008
9	0	0	0	0	0	.344	.337	1.00	1.25	.548	.095	.008
10	0	0	0	C	.519	.278	.322	.778	1.15	.525	.095	.008
11	0	0	0	0	.033	.235	.256	.713	1.24	.480	.082	.004
12	0	0	0	0	0	.213	.278	.765	1.16	.448	.082	.004
13	0	0	0	0	.045	.192	.235	.909	1.01	.415	.069	.004
14	0	0	0	0	.033	.151	.714	.935	1.25	.394	.069	.004
15	0	0	0	0	.006	1.59	1.11	.922	2.27	.362	.057	.008
16	0	0	0	0	.004	2.27	1.00	.751	2.90	.352	.057	.008
17	0	0	0	0	.004	1.03	1.92	.739	2.91	.320	.057	.008
18	0	0	0	0	.005	.613	2.23	.675	2.82	.320	.057	.021
19	0	0	0	C	.002	.435	1.98	.625	2.72	.300	.047	.008
20	0	0	0	C	.005	.333	1.61	1.22	2.57	.280	.047	.008
21	0	0	0	0	.005	.289	1.32	1.03	2.31	.260	.037	.008
22	0	0	0	0	.005	.235	1.13	.909	2.06	.260	.037	.008
23	0	0	.553	C	.003	.203	1.77	.896	2.04	.260	.037	.004
24	0	0	.012	C	.059	1.92	2.06	.751	1.92	.240	.037	.004
25	0	0	0	C	.428	1.03	2.39	.700	1.70	.218	.028	.004
26	C	0	0	0	.070	.552	2.37	.625	1.53	.260	.021	.004
27	0	0	0	0	.025	.446	3.22	.564	1.29	.198	.021	.004
28	0	0	0	0	.016	.377	2.37	.540	1.18	.218	.021	.004
29	0	=	0	.017	.010	.355	1.79	.553	1.03	.240	.021	0
30	0	=	0	.057	.008	.300	1.53	.481	.961	.240	.021	0
31	0	=	0	=	.008	=	1.32	1.11	=	.198	=	0
MOY	0	0	.018	.004	.042	.555	1.12	.819	1.75	.423	.071	.007

DEBIT MINI 0.0 DATE IERE OBSERVATION 1 JAN

DEBIT MAXI 3.22 DATE IERE OBSERVATION 27 JUL

DEBIT MOYEN ANNUEL 0.402 M3/S

TOGO VOLTA KOIMEPOLARBAGA NAGBENI
STATION NUMERO 47274203
ANNEE 1979

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.014	0	0	0	0	0	.128	2.14	8.72	4.02	.911	.200
2	.014	0	0	0	0	.928	.100	1.49	12.2	3.60	.783	.200
3	.014	0	0	0	0	.025	.084	1.25	10.8	3.24	.732	.136
4	.014	0	0	0	0	.015	.092	1.33	10.3	2.92	.707	.136
5	.014	0	0	0	0	.516	.070	.924	9.89	2.68	.899	.136
6	.014	0	0	0	0	1.40	.070	.821	8.58	2.48	.720	.136
7	.010	0	0	0	0	.256	.070	.682	8.04	2.26	.584	.156
8	.010	0	0	C	0	.146	.070	.596	7.16	2.20	.572	.156
9	.010	0	0	C	0	.120	.048	.524	6.70	2.09	.548	.156
10	.010	0	0	0	0	.109	.032	.500	6.86	1.93	.548	.156
11	.010	0	0	0	0	.084	.029	.417	8.04	1.79	.476	.136
12	.010	0	0	0	0	.084	.029	.382	10.0	1.68	.476	.117
13	.010	0	0	0	0	.290	.033	.560	10.6	1.87	.452	.100
14	.010	0	0	0	0	.371	.032	.658	10.3	1.89	.440	.100
15	.010	0	0	0	0	.178	.025	.876	9.20	1.63	.417	.100
16	.006	0	0	0	0	.146	.020	1.60	10.0	1.41	.347	.084
17	.006	0	0	0	0	.126	.172	2.91	9.33	1.36	.429	.084
18	.006	0	0	0	0	.128	.406	3.72	8.94	1.27	.370	.084
19	.004	0	0	0	0	.136	.222	4.92	9.11	1.18	.324	.070
20	.002	0	0	0	0	.109	.156	8.06	10.3	1.11	.336	.070
21	.000	0	0	0	0	.128	.156	5.69	8.71	1.04	.301	.070
22	.000	0	0	0	0	.128	.156	8.55	7.39	.976	.301	.070
23	.000	0	0	0	0	.128	.156	10.0	6.73	.898	.290	.057
24	0	0	0	0	0	.100	1.12	6.36	5.80	.847	.245	.057
25	0	0	0	0	0	.057	1.04	5.01	5.24	.808	.245	.057
26	0	0	0	0	0	.057	.821	4.65	4.70	.770	.245	.057
27	0	0	0	0	.462	.057	.621	4.88	4.43	.695	.222	.057
28	0	0	0	0	.519	.048	.512	4.77	4.07	.720	.245	.057
29	0	=	0	0	.055	.070	.429	5.85	4.37	.670	.222	.057
30	0	=	0	0	.007	.136	.382	7.15	4.37	1.32	.222	.048
31	0	=	0	=	.001	=	.987	10.3	=	1.25	=	.048
MOY	.007	0	0	0	.034	.202	.267	3.47	8.04	1.70	.454	.101

DEBIT MINI 0.0 DATE IERE OBSERVATION 24 JAN

DEBIT MAXI 12.2 DATE IERE OBSERVATION 2 SEP

DEBIT MOYEN ANNUEL 1.19 M3/S

GENERALITES :

- Superficie du bassin versant : 6 730 km²
- Coordonnées de la station : 10°12'N - 0°27'E
- Cote du zéro de l'échelle : 111,49 (IGN)
- Amplitude de l'échelle : 0 à 8 m
- Accès : Gué de la route
MANGO-PAIOKOU-
KOUMANGOU
- Date de création : 29.04.1959
- Cadence des relevés : 1 relevé par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 96
- Maximum jaugeé : H = 5.87 - 5.91 m
Q = 443 m³/s
Date = 16.8.63
- Nombre de tarages utilisés pour la
période 71-79 : 9
- Dernière courbe d'étalonnage utilisée :
. valide du 10.10.79 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,10	0.0	0.0	0.0
0,10 A 0,30	8.0000	0.0500	0.0
0,30 A 0,70	14.625	3.3250	0.330
0,70 A 1,00	9.500	15.550	4.00
1,00 A 1,60	14.750	29.420	9.52
1,60 A 2,50	4.1667	44.883	32.5
2,50 A 3,20	21.429	53.571	76.0
3,20 A 4,50	-13.92	115.02	124
4,50 A 5,10	11.111	76.666	250
5,10 A 5,50	75.000	95.000	300
5,50 A 6,50	60.000	160.00	350

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1959	/	*	*	/	/	.	.	/	.	/	/	.
1960	.	.	/	.	*	/	/
1961	/	/
1962	/
1963	/	/	/	/	/	*	/	.	.	/	*	/
1964	/	/	/	/	.	.	/	/
1965	/	*	*	/	.	.	/	/	.	/	.	.
1966
1967	/
1968	/	/	.	/	.	/	/	/
1969	/	/	.	/	/	/	/	/
1970	/	.	/	/	/	/	/
1971	/	/	/	/	/	/	.
1972	/	.	.	/	.	.	/	/	/	/	/	/
1973	/	/	.	/	/	/	.	/	/	.	.	/
1974	/	.	.	/	.	/	/
1975	/	/	/	/	.	.
1976	/	.	.	/	/	/
1977	.	.	.	/	/	/	.	.	.	/	/	.
1978	.	/	/	/	/	/	.	.	.	/	/	.
1979	/	/	/	.	.	/	.	/

- . signifie mois complet
- / signifie mois incomplet
- * signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

- SYMBOLES UTILISES :

- * signifie : pas de relevé
- . + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

- La station est instable en basses, moyennes et hautes eaux et malgré le nombre relativement important de jaugeages effectués chaque année, les débits ne sont connus qu'avec une assez grande incertitude.
- La cadence des relevés est insuffisante.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	8.47	5.99	6.24	5.99	4.08	3.04	3.54	265.	366.	143.	34.8	9.97
2	8.47	5.99	6.77	4.46	2.89	3.37	5.07	147.	399.	138.	33.4	9.59
3	8.17	5.74	6.24	3.54	2.45	3.20	*	122.	277.	132.	31.5	9.21
4	8.17	5.74	5.99	13.6	2.18	4.08	*	132.	226.	127.	30.0	8.85
5	7.88	5.74	5.74	11.8	4.27	4.86	3.54	153.	*	122.	28.6	8.49
6	7.88	5.74	5.50	9.08	3.71	14.4	3.54	122.	381.	130.	27.1	8.15
7	7.88	5.50	5.28	7.04	2.73	10.4	3.54	137.	448.	129.	25.7	7.81
8	7.60	5.50	5.07	5.50	2.45	7.31	3.54	122.	448.	181.	24.7	7.81
9	7.60	5.50	5.07	4.46	2.05	5.28	3.20	120.	437.	151.	23.7	7.48
10	7.31	5.28	5.07	3.89	1.93	4.86	3.54	119.	412.	133.	22.8	7.16
11	7.31	5.28	4.86	3.71	1.81	4.08	65.7	203.	273.	130.	*	6.85
12	7.31	5.99	4.86	3.37	1.70	3.71	157.	205.	370.	126.	*	6.85
13	*	5.50	4.66	3.37	1.70	3.37	54.6	208.	446.	*	*	6.55
14	7.04	5.50	4.27	3.04	1.59	3.20	45.0	227.	448.	*	*	6.55
15	7.04	5.50	4.08	2.89	1.81	3.04	86.8	320.	448.	*	*	6.85
16	7.04	5.50	3.89	2.59	2.73	3.20	77.7	446.	389.	*	17.4	6.85
17	6.77	5.50	3.71	2.45	2.45	3.37	127.	331.	431.	*	16.9	6.85
18	6.77	5.28	3.71	6.24	2.18	3.37	148.	370.	446.	57.7	16.0	6.55
19	6.77	5.28	3.54	5.07	1.93	3.20	133.	366.	448.	68.2	15.5	5.98
20	6.77	5.28	3.71	4.08	1.81	2.59	79.0	364.	448.	74.5	15.0	5.44
21	6.77	5.28	3.54	3.54	1.70	3.37	175.	448.	448.	61.5	14.5	5.18
22	6.77	5.07	3.37	3.04	1.59	5.07	275.	479.	431.	54.5	14.0	4.94
23	6.50	5.07	3.37	2.73	4.46	3.04	282.	509.	310.	51.7	13.5	4.94
24	6.50	5.07	3.37	2.45	3.54	3.04	148.	536.	358.	49.7	13.1	4.70
25	6.24	5.07	3.20	2.31	2.89	2.89	167.	502.	277.	47.3	12.6	4.48
26	6.24	4.86	3.20	2.05	2.31	2.45	130.	*	232.	45.4	11.6	4.26
27	6.24	4.86	3.54	2.18	2.18	2.31	125.	*	196.	43.0	10.4	4.26
28	6.24	4.86	3.54	1.93	2.18	2.05	102.	420.	175.	40.6	10.8	4.05
29	6.24	=	4.08	2.18	2.45	1.93	73.2	370.	158.	38.7	10.4	3.85
30	5.99	=	4.08	5.28	4.27	3.54	68.2	319.	146.	37.3	10.4	3.65
31	5.99	=	6.50	=	3.71	=	108.	317.	=	35.8	=	3.65
MGY	*	5.41	4.52	4.46	2.57	4.12	*	*	*	*	*	6.38
				DEBIT MINI	1.59		DATE 1ERE OBSERVATION					14 MAI
				DEBIT MAXI	536.		DATE 1ERE OBSERVATION					24 AOU

TOGO VOLTA KOUANGOU KOUANGOU
 STATION NUMERO 47274803
 ANNEE 1972

DEBITS MOYENS JOURNALIERS EN M3/S

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	3.45	1.30	.450	.136	.500	66.0	4.70	54.0	174.	106.	*	7.48
2	3.45	1.30	.402	.136	.402	35.3	32.0	83.3	234.	92.5	*	7.16
3	3.45	1.19	.402	.107	.357	26.2	31.5	56.1	279.	114.	*	6.85
4	3.26	1.19	.402	.107	.274	21.8	38.7	55.5	188.	152.	32.9	6.55
5	3.26	1.08	.402	.200	.314	17.9	32.0	69.9	199.	137.	29.5	6.26
6	3.26	1.08	.402	.200	.500	14.0	22.3	110.	155.	102.	28.6	5.98
7	3.08	.981	.357	.136	.638	38.2	16.0	*	135.	88.8	26.6	5.98
8	3.08	.981	.357	.107	.758	25.7	16.5	141.	136.	83.9	25.2	5.70
9	*	.887	.314	.107	.715	16.0	67.1	75.1	266.	79.8	23.7	5.44
10	2.72	.798	.314	.107	.638	11.2	74.5	65.4	326.	82.7	22.8	5.18
11	2.72	.798	.314	.236	11.6	8.49	68.8	59.3	369.	87.6	21.8	4.94
12	2.55	.715	.274	2.55	6.15	7.16	47.3	56.1	412.	153.	20.3	4.94
13	2.55	.715	.274	2.55	5.70	5.98	38.2	71.0	336.	114.	18.9	4.70
14	2.39	.638	.274	1.80	4.26	5.18	53.1	73.3	242.	96.2	18.4	4.70
15	2.24	.638	.314	1.41	3.65	18.4	61.5	56.6	267.	84.5	17.4	4.48
16	2.24	.638	.357	1.19	3.08	15.0	40.6	50.2	244.	71.6	16.5	4.26
17	2.08	.638	.314	.981	3.08	8.85	32.9	45.9	186.	69.9	15.0	4.26
18	2.08	.566	.274	.887	58.2	6.85	45.4	51.2	161.	101.	14.5	4.05
19	1.94	.566	.236	.715	36.2	5.70	35.7	45.9	139.	79.2	*	4.05
20	1.94	.566	.200	.638	21.8	9.21	31.0	*	134.	67.1	13.1	3.85
21	1.94	.566	.200	.715	15.0	7.16	32.9	77.4	150.	84.5	12.6	3.85
22	1.80	.566	.200	3.65	12.6	7.16	31.0	83.9	159.	79.2	11.6	3.85
23	*	.500	.200	1.94	11.2	5.70	31.5	*	172.	72.8	10.8	3.65
24	1.67	.500	.200	1.30	7.16	4.48	44.5	*	62.1	10.4	3.65	
25	1.67	.500	.167	1.67	4.94	5.18	*	*	140.	54.5	9.59	*
26	1.67	.450	.167	1.30	4.70	16.5	69.3	90.6	136.	52.6	9.21	3.45
27	1.54	.450	.167	*	18.4	13.5	54.5	96.8	*	49.3	8.85	3.65
28	1.54	.450	.167	.798	15.0	8.85	54.5	*	49.7	8.49	*	
29	1.54	.450	.136	.638	9.21	6.26	*	79.8	112.	44.9	8.15	3.85
30	1.41	=	.136	.566	27.1	5.18	96.8	*	110.	42.5	7.48	8.49
31	1.41	=	.136	=	81.6	=	64.8	142.	=	*	=	8.15

TJGO VOLTA KOUANGOU KOUANGOU
 STATION NUMERO 47274803
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	7.81	1.80	.500	.236	.274	1.80	9.97	26.2	66.5	129.	19.1	3.50
2	7.48	1.67	.500	.236	.236	1.60	6.85	153.	146.	143.	19.1	3.31
3	7.16	1.67	.450	.236	.274	1.94	5.18	78.0	144.	226.	19.1	3.11
4	8.49	1.54	.450	.200	.274	1.54	31.0	52.6	134.	257.	18.7	3.11
5	8.15	1.54	.402	.200	.236	1.54	28.1	175.	195.	212.	16.6	2.92
6	6.85	*	.402	.200	.200	4.05	23.7	98.1	306.	164.	14.3	2.73
7	5.70	1.41	.357	.715	.200	4.05	60.4	62.6	333.	137.	13.6	2.73
8	4.70	1.30	.357	.638	.167	6.85	37.7	76.8	303.	134.	12.5	2.73
9	4.26	1.30	.357	.566	.167	*	31.5	59.3	279.	104.	11.5	2.54
10	4.05	1.19	.357	.500	.167	2.39	30.5	57.1	249.	94.8	10.5	2.54
11	3.65	1.19	.357	.450	.200	2.24	33.4	210.	201.	86.2	9.82	2.54
12	3.65	1.19	.357	.357	.200	2.24	24.7	230.	276.	75.1	9.20	2.37
13	*	1.08	.314	.357	.167	1.94	18.9	145.	414.	68.2	8.89	2.37
14	3.26	1.08	.314	.314	.167	1.67	15.0	156.	*	62.6	8.29	2.19
15	3.08	.981	.314	.274	.167	1.80	16.5	192.	285.	55.2	7.71	2.03
16	2.90	.981	.314	.236	.167	1.54	21.8	140.	273.	50.4	7.14	*
17	2.90	.981	.314	.274	5.98	1.41	13.1	114.	234.	46.8	6.86	2.03
18	2.90	.887	.274	.274	4.26	7.81	9.59	231.	243.	42.1	6.32	1.88
19	2.72	.887	.274	.274	4.70	14.0	7.48	293.	*	38.7	6.06	1.88
20	2.72	.887	.274	.236	*	7.16	9.59	230.	190.	35.9	5.80	*
21	*	.798	.274	.200	4.05	6.85	7.48	135.	149.	32.7	5.58	*
22	2.55	.798	.236	.200	3.45	6.85	5.70	106.	127.	30.2	5.36	*
23	2.39	.715	.236	*	2.90	4.94	4.70	67.6	163.	28.2	4.93	*
24	2.39	.715	.236	.715	2.24	*	4.26	110.	202.	25.8	4.72	1.59
25	2.24	.638	.236	.566	1.80	3.65	4.05	131.	221.	24.9	4.51	*
26	2.24	.638	.274	.500	1.54	2.90	3.65	109.	137.	23.9	4.31	*
27	2.08	.566	.314	.450	1.41	2.39	3.26	*	129.	23.5	4.10	1.59
28	2.08	.566	.357	.357	1.19	2.24	4.26	96.8	185.	23.0	3.90	1.59
29	1.94	=	.314	.314	2.06	2.24	8.49	89.4	183.	22.6	3.70	1.59
30	1.94	=	.274	.274	1.80	4.94	36.8	81.6	143.	21.7	3.70	1.59
31	1.80	=	.236	=	1.94	=	27.1	73.9	=	20.4	=	1.46

MOY * .748 .275 * 11.9 14.8 * * * * *
 DEBIT MINI 0.107 DATE 1ERE OBSERVATION 3 AVR
 DEBIT MAXI 412. DATE 1ERE OBSERVATION 12 SEP

MOY * * .330 * * * 17.6 * * 78.7 9.19 *
 DEBIT MINI 0.167 DATE 1ERE OBSERVATION 8 MAI
 DEBIT MAXI 414. DATE 1ERE OBSERVATION 13 SEP

TOGO VOLTA KOUMANGOU KOUMANGOU
 STATION NUMERO 47274803
 ANNEE 1974

TOGO VOLTA KOUMANGOU KOUMANGOU
 STATION NUMERO 47274803
 ANNEE 1975

DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	1.46	.569	.129	.037	.022	1.46	10.5	171.	269.	335.	38.8	*
2	1.46	.569	.129	.022	.056	*	5.80	135.	187.	333.	45.7	*
3	1.46	.569	.102	.022	.056	1.01	4.72	158.	151.	288.	53.7	*
4	1.46	.512	.102	.022	.037	1.01	3.70	179.	200.	331.	47.6	*
5	1.34	.512	.102	.009	.037	2.19	3.70	257.	223.	243.	40.5	*
6	1.34	.512	.077	.009	.022	2.92	7.42	316.	244.	202.	34.3	*
7	1.22	.512	.077	.009	.022	70.7	12.1	215.	358.	179.	30.6	*
8	1.22	.457	.056	.009	.077	32.2	13.6	139.	441.	176.	28.5	*
9	1.22	.457	.056	.009	4.51	14.3	11.5	145.	454.	173.	26.5	*
10	1.11	.457	.056	0	10.1	9.82	7.71	132.	455.	144.	25.0	*
11	1.11	.406	.037	0	4.72	9.20	6.06	98.1	420.	116.	23.5	*
12	1.01	.406	.037	.022	9.51	10.1	5.15	79.0	379.	109.	22.6	*
13	*	.357	.037	.022	4.51	5.36	5.58	66.3	427.	102.	21.6	*
14	.920	.357	.037	.022	4.93	4.72	30.2	143.	435.	95.3	20.7	*
15	.920	.357	.037	.009	3.50	4.31	22.6	90.1	332.	92.0	19.2	*
16	.836	.312	.037	.009	2.73	3.50	50.4	158.	296.	90.4	18.3	*
17	.836	.312	.037	.009	2.03	3.50	48.6	273.	272.	80.2	17.0	*
18	.836	.269	.037	0	1.88	3.90	24.4	273.	392.	75.6	16.1	*
19	.760	.269	.022	.037	2.54	3.11	58.9	151.	435.	69.7	15.6	*
20	.760	.312	.022	.037	2.54	10.1	37.6	132.	454.	65.4	14.7	*
21	.760	.312	.022	.056	3.50	13.6	30.2	90.8	451.	61.8	13.9	*
22	.760	.312	.022	.056	2.92	12.5	35.4	123.	381.	66.8	13.5	*
23	.693	.312	.022	.037	3.70	7.14	64.4	150.	329.	63.2	12.6	*
24	.693	.269	.009	.022	6.32	4.31	87.5	133.	374.	60.5	12.2	*
25	.693	.269	.009	.009	35.4	3.50	58.9	97.5	344.	57.0	11.4	*
26	.693	.269	.009	.009	16.2	3.70	43.8	138.	356.	48.8	10.6	*
27	.630	.160	.009	*	7.20	3.50	42.1	183.	346.	45.7	9.87	*
28	.630	.127	.009	.022	5.15	3.70	98.1	221.	337.	42.2	9.87	*
29	.630	=	.009	.022	3.70	10.5	69.4	342.	334.	41.1	9.51	*
30	.630	=	.077	.022	2.73	12.1	51.0	393.	328.	38.2	9.16	*
31	.630	=	.056	=	1.88	=	93.4	317.	=	36.0	=	3.09
MOY	*	.376	.048	*	4.66	*	33.7	177.	347.	125.	22.4	*
DEBIT MINI			0.0		DATE IERE OBSERVATION			10 AVR				
DEBIT MAXI			455.		DATE IERE OBSERVATION			10 SEP				

DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	3.42	1.55	.446	.140	8.48	.972	2.16	128.	113.	308.	28.5	7.16
2	3.25	1.55	.399	.114	11.4	.903	1.64	*	134.	285.	25.8	6.86
3	3.25	1.46	.399	.114	7.53	.836	1.37	122.	*	242.	23.6	6.86
4	3.09	1.46	.354	.090	5.07	.773	1.28	84.8	159.	205.	22.7	6.86
5	3.09	1.37	.354	.090	3.60	.712	5.31	68.2	176.	189.	21.0	6.05
6	2.93	1.37	.311	.090	3.25	.655	14.7	66.8	178.	171.	20.1	6.05
7	2.93	1.28	.311	.090	2.93	.550	25.5	182.	135.	170.	18.3	5.80
8	2.78	1.28	.272	.090	3.79	.601	24.0	236.	118.	169.	17.9	5.56
9	2.78	1.20	.272	.114	31.7	.601	20.7	172.	100.	157.	16.6	5.33
10	2.64	1.12	.235	.114	32.7	.655	34.3	221.	102.	149.	15.7	4.89
11	2.51	1.12	.235	1.64	14.7	.836	44.6	249.	124.	*	14.9	4.69
12	2.39	1.05	.235	1.28	10.2	3.25	34.3	302.	267.	*	14.0	4.50
13	2.27	1.05	.200	1.84	8.48	7.22	98.6	293.	368.	*	13.6	4.32
14	2.16	1.05	.200	.972	7.53	5.82	239.	376.	390.	*	12.7	4.32
15	2.16	1.05	.200	.655	6.93	5.07	259.	363.	369.	*	11.8	4.15
16	2.16	1.05	.200	.497	5.82	3.60	108.	381.	372.	*	11.0	3.98
17	2.16	.972	.169	.354	4.61	2.78	87.2	404.	433.	*	10.6	3.83
18	2.05	.903	.169	.272	5.31	2.39	217.	267.	461.	*	9.84	3.70
19	2.05	.836	.140	.550	5.56	2.16	*	196.	466.	*	9.47	3.56
20	1.94	.773	.140	7.22	4.84	2.05	123.	*	475.	*	9.84	3.56
21	1.94	.773	.140	11.8	3.42	2.05	89.6	131.	455.	*	9.11	3.43
22	1.84	.712	.140	7.84	2.78	2.39	66.1	118.	447.	*	8.76	3.31
23	1.84	.655	.140	5.82	3.25	2.51	*	129.	442.	*	8.76	3.31
24	1.84	.601	.140	4.39	2.51	2.93	213.	128.	436.	47.3	8.42	3.18
25	1.84	.601	.114	3.79	1.94	2.51	178.	*	446.	44.5	8.09	3.18
26	1.84	.550	.114	5.31	1.94	2.27	*	178.	453.	40.3	14.0	3.06
27	1.84	.550	.114	4.61	1.46	2.05	110.	208.	384.	36.9	11.8	3.06
28	1.74	.497	.114	3.42	1.46	2.05	80.2	120.	270.	34.7	10.6	2.94
29	1.74	=	.090	3.09	1.20	2.27	96.1	104.	*	32.9	9.11	2.94
30	1.74	=	.090	5.56	1.12	2.51	*	90.4	235.	31.1	8.09	2.82
31	1.64	=	.114	=	.972	=	116.	78.6	=	30.2	=	2.82
MOY	2.32	1.01	.211	2.40	6.66	2.20	*	*	*	*	14.2	4.39
DEBIT MINI			0.090		DATE IERE OBSERVATION			29 MAR				
DEBIT MAXI			475.		DATE IERE OBSERVATION			20 SEP				

TOGO VOLTA KOUANGOU KOUANGOU
 STATION NUMERO 47274803
 ANNEE 1976

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	1.21	.319	.051	.240	2.82	14.0	35.1	62.3	103.	148.	*
2	2.70	1.21	.278	.051	.278	3.56	9.84	34.7	55.8	107.	97.9	*
3	2.70	1.13	.278	.051	.240	11.0	8.42	37.8	49.0	129.	82.1	*
4	2.70	1.13	.278	.036	.205	19.2	7.16	33.8	46.2	150.	74.2	*
5	2.70	1.05	.240	.036	.142	13.6	5.56	27.1	41.8	103.	67.3	*
6	2.59	1.05	.240	.036	.142	5.80	4.89	32.9	44.0	92.3	58.8	*
7	2.59	2.36	.278	.036	.142	4.89	22.3	41.8	182.	90.9	54.7	*
8	2.47	1.65	.460	.036	.115	42.9	39.7	63.0	124.	88.8	51.8	*
9	2.36	1.13	.750	.023	.460	26.7	26.5	36.5	95.1	72.3	49.5	*
10	2.36	1.21	.319	.023	21.4	14.9	11.4	149.	63.0	72.3	52.9	*
11	2.36	1.13	.319	.023	14.4	15.7	8.42	93.0	55.8	71.6	50.6	*
12	2.36	1.05	.278	.023	7.77	10.2	36.5	75.5	54.7	90.9	46.7	*
13	*	.970	.205	.023	5.33	16.6	60.5	54.1	53.5	74.2	*	*
14	2.26	.970	.205	.023	3.70	25.4	43.5	45.6	47.3	69.8	*	*
15	2.15	.970	.172	.013	6.65	26.2	31.6	41.8	55.8	79.4	*	5.71
16	2.05	1.05	.142	.013	4.69	23.2	66.6	39.2	64.8	104.	*	5.49
17	2.05	.970	.142	.115	3.70	20.5	122.	94.4	52.9	110.	*	5.28
18	1.94	.895	.142	.115	2.59	51.8	85.4	93.0	51.2	188.	*	5.07
19	1.94	.895	.115	.115	2.15	36.5	97.2	59.3	46.7	158.	*	4.86
20	1.85	.821	.115	.051	1.85	29.3	57.0	130.	44.5	134.	*	4.66
21	1.85	.750	.115	1.56	1.65	22.7	57.0	280.	84.1	186.	*	4.66
22	1.75	.750	.115	1.13	1.47	17.9	49.5	310.	185.	188.	*	4.46
23	1.65	.512	.091	.750	1.47	11.0	41.8	287.	155.	204.	*	4.27
24	1.65	.460	.091	.410	1.13	15.7	34.7	184.	141.	170.	*	4.08
25	1.56	.460	.091	.363	1.05	27.1	34.3	127.	138.	153.	*	*
26	1.56	.410	.091	.319	.970	21.8	99.3	105.	143.	201.	*	3.90
27	1.47	.410	.070	*	.970	14.9	118.	95.1	167.	131.	*	3.90
28	1.38	.363	.070	.240	.895	14.0	74.8	86.1	184.	120.	*	3.72
29	1.47	.363	.070	.205	1.05	11.8	83.4	75.5	213.	112.	*	3.72
30	1.29	=	.070	.172	1.47	15.7	63.0	73.6	179.	258.	*	3.55
31	1.21	=	.051	=	2.82	=	45.1	70.4	=	195.	=	3.55

TOGO VOLTA KOUANGOU KOUANGOU
 STATION NUMERO 47274803
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	3.37	1.35	.250	.136	*	1.15	1.91	14.1	28.9	58.3	*	1.14
2	3.37	1.35	.250	.078	.518	1.06	1.45	17.9	27.1	47.2	6.98	1.07
3	3.21	1.25	.250	.056	.430	.968	1.25	12.5	21.7	*	6.18	1.07
4	3.21	1.15	.208	.056	.296	.883	1.15	10.6	31.5	*	5.67	1.01
5	3.05	1.06	.208	.037	.518	.802	1.45	8.67	27.1	*	*	1.01
6	2.89	1.06	.208	.037	.400	.583	19.0	7.61	107.	*	4.44	1.01
7	2.73	.968	.170	.037	.256	.518	15.4	7.11	84.7	*	4.20	1.29
8	2.73	.968	.170	.037	.250	*	8.94	10.6	84.7	*	3.79	1.14
9	2.73	.883	.170	.037	.170	.652	6.87	5.71	90.9	*	3.60	1.01
10	2.59	.883	.170	.022	.208	.652	7.36	5.71	276.	*	3.41	.953
11	2.59	.802	.136	.022	.250	.802	27.1	13.7	172.	*	3.22	.953
12	2.59	.802	.136	.022	.208	.802	18.2	13.1	126.	*	2.88	.953
13	2.44	.725	.136	.022	.170	.583	13.1	10.1	109.	*	2.71	.896
14	2.44	.725	.136	.022	.136	.883	8.40	47.8	98.1	*	2.55	.896
15	2.30	.652	.136	.022	.346	1.06	11.5	22.1	102.	*	2.40	.841
16	2.17	.583	.136	.011	1.91	28.4	7.36	15.4	122.	20.5	2.40	.841
17	2.17	.583	.105	.011	1.45	20.5	6.39	35.6	120.	19.3	2.40	.841
18	2.04	.583	.105	.011	1.06	14.7	4.08	39.2	110.	17.8	2.25	.787
19	2.04	.518	.078	.011	.883	8.40	3.37	32.9	90.1	17.1	2.11	.787
20	1.91	.518	.078	.011	.725	6.63	2.44	38.3	64.2	16.4	1.98	.787
21	1.91	.457	.078	.011	.652	4.66	2.59	20.9	67.3	15.6	1.72	.787
22	1.79	.457	.078	.011	.518	8.13	6.63	28.0	68.8	15.0	1.61	.787
23	1.79	.400	.078	.011	.457	5.28	16.8	81.4	68.8	14.3	1.61	.735
24	1.67	.400	.078	.011	.230	3.72	79.4	71.0	59.3	12.3	1.50	.685
25	1.67	.346	.056	.011	2.89	3.05	32.9	59.3	55.8	10.7	1.39	.685
26	1.56	.346	.056	.011	4.46	2.44	25.8	41.8	51.5	9.51	1.39	.636
27	1.56	.296	.056	*	2.89	1.91	20.9	63.0	51.0	9.22	1.29	.636
28	1.45	.296	.037	4.46	1.91	1.56	19.4	57.6	54.9	8.93	1.20	.636
29	1.45	=	.037	3.21	1.79	1.25	17.5	50.6	110.	8.64	1.20	.636
30	1.35	=	.346	1.56	1.67	1.79	13.4	36.0	94.0	8.36	1.14	.636
31	1.35	=	.208	=	1.45	=	12.8	30.2	=	8.07	=	.636

MOY * .942 .203 * 2.93 19.1 46.9 93.9 96.0 129. * *
 DEBIT MINI 0.013 DATE IERE OBSERVATION 15 AVR
 DEBIT MAXI 310. DATE IERE OBSERVATION 22 AOU

MOY 2.26 .725 .140 * * * 13.4 29.3 85.8 * * .864
 DEBIT MINI 0.011 DATE IERE OBSERVATION 16 AVR
 DEBIT MAXI 276. DATE IERE OBSERVATION 10 SEP

TOGO VOLTA KOMANGOU KOMANGOU											
STATION NUMERO 47274803											
ANNEE 1978											
DEBITS MOYENS JOURNALIERS EN M3/S											
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.636	.347	.281	.421	27.5	8.93	15.3	102.	202.	77.1	* 7.52
2	.636	.347	.281	.841	22.0	8.93	10.4	83.9	267.	72.9	* 7.29
3	.590	.347	.281	.735	16.4	6.18	25.8	76.0	250.	68.8	* 6.71
4	.590	.347	.281	.636	12.6	4.44	20.5	73.4	261.	88.8	* 6.45
5	.545	.347	.250	.590	6.45	3.05	16.4	69.3	297.	82.2	* 5.93
6	.545	.347	.281	.590	6.18	6.45	17.8	117.	317.	67.8	* 5.42
7	.545	.347	.281	.590	5.93	*	16.7	184.	283.	60.3	* 5.17
8	.545	.347	.250	.590	5.67	8.64	12.6	205.	264.	54.9	26.6 5.17
9	.545	.313	.250	.590	5.42	4.20	20.1	234.	254.	51.5	24.5 5.17
10	.502	.313	.250	.590	6.71	4.44	38.8	235.	208.	120.	22.8 4.68
11	.502	.313	.281	*	26.2	4.68	52.4	197.	167.	97.4	21.6 4.20
12	.461	.313	.281	.502	12.9	4.92	42.0	80.4	144.	71.3	19.7 4.20
13	.461	.313	.281	.461	10.1	5.42	115.	82.7	158.	55.8	18.5 3.99
14	.461	.313	.545	.545	3.99	16.0	66.3	203.	187.	*	17.1 3.79
15	.461	.313	.953	8.64	10.7	13.3	155.	205.	206.	*	16.0 3.60
16	.461	.313	.636	6.71	8.93	11.3	206.	117.	241.	*	15.3 3.41
17	.461	.313	.461	3.99	7.52	26.6	263.	175.	320.	*	14.6 3.22
18	.421	.313	.383	2.11	*	35.6	188.	149.	370.	*	13.9 3.22
19	.421	.313	.347	1.29	5.67	52.4	123.	125.	278.	*	12.6 3.22
20	.421	.313	.313	1.07	5.42	32.9	269.	116.	189.	*	12.0 3.22
21	.421	.281	.313	.856	4.20	24.5	208.	232.	177.	*	11.3 2.88
22	.383	.281	.281	.841	2.88	17.1	161.	204.	188.	*	11.0 2.88
23	.383	.281	.313	1.01	2.55	17.1	170.	209.	151.	*	10.4 2.71
24	.383	.281	.313	.856	1.98	17.8	291.	209.	151.	*	10.1 2.71
25	.383	.281	.281	.685	*	13.9	287.	235.	151.	*	9.51 2.55
26	.383	*	.281	.590	1.61	12.3	280.	255.	144.	*	8.93 2.55
27	.383	.281	.281	*	1.72	17.8	348.	218.	131.	*	8.36 2.40
28	.383	.231	.281	.685	2.25	11.6	384.	186.	114.	*	7.80 2.40
29	.347	=	.250	.636	5.42	12.9	274.	186.	92.7	*	7.80 2.25
30	.347	=	*	.590	4.44	16.4	170.	179.	85.1	*	7.80 2.11
31	.347	=	.421	=	3.05	=	122.	176.	=	*	= 1.98
MOY	.463	*	*	*	*	*	141.	165.	208.	*	* 3.97
DEBIT MINI			0.250							5 MAR	
DEBIT MAXI			364.							28 JUL	

TOGO VOLTA KOMANGOU KOMANGOU											
STATION NUMERO 47274803											
ANNEE 1979											
DEBITS MOYENS JOURNALIERS EN M3/S											
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	.593	.169	.068	.054	15.6	16.0	148.	233.	266.	48.1 7.88
2	1.98	.545	.169	.085	.054	10.4	21.2	180.	259.	285.	46.2 7.49
3	1.72	.545	.169	.085	.068	*	18.5	136.	265.	269.	43.0 7.11
4	1.72	.502	.145	.068	.085	9.22	22.0	123.	228.	261.	42.0 6.73
5	1.98	.461	.145	.068	.145	17.8	25.8	104.	318.	216.	37.9 6.36
6	1.85	.461	.145	.068	6.45	9.51	61.7	94.7	401.	156.	37.0 6.36
7	1.61	.421	.123	.068	3.05	8.36	59.8	92.0	432.	152.	36.5 6.18
8	1.61	.421	.123	.085	1.98	6.71	102.	88.2	417.	151.	36.5 6.00
9	1.50	.383	.123	.085	14.3	9.81	68.3	150.	436.	199.	31.1 5.83
10	1.29	.383	.123	.085	6.18	22.8	60.7	125.	436.	153.	27.5 5.65
11	.896	.383	.123	.068	10.1	22.8	50.5	75.5	441.	151.	25.8 5.30
12	.735	.347	.123	.068	7.52	47.7	38.4	66.8	390.	*	25.3 5.14
13	1.14	.347	.123	.068	4.68	85.7	48.1	60.7	342.	*	22.8 4.97
14	1.50	.347	.103	.054	3.60	88.8	44.4	79.9	313.	*	21.2 4.64
15	1.39	.313	.103	.054	2.11	42.0	86.3	94.7	291.	*	19.7 4.64
16	1.20	.313	.103	.054	1.50	28.4	63.2	173.	277.	*	18.5 4.48
17	1.14	.281	.103	.054	1.01	17.4	59.8	226.	350.	*	17.8 4.31
18	1.07	.250	.103	.054	.841	12.3	78.2	223.	374.	*	16.7 4.16
19	1.01	.250	.085	.054	.735	20.8	141.	208.	331.	*	15.6 4.00
20	1.01	.250	.085	.054	.636	31.6	182.	207.	283.	*	15.0 3.85
21	.953	.250	.085	.054	.545	27.5	97.4	235.	266.	*	14.3 3.85
22	.953	.221	.085	.054	.502	20.1	87.0	270.	260.	*	13.9 3.85
23	.896	.221	.085	.041	.383	15.6	52.7	361.	254.	*	13.3 3.71
24	.841	.194	.085	.041	.250	10.4	164.	407.	305.	*	12.6 3.56
25	.841	.194	.123	.054	.281	10.4	291.	286.	318.	*	11.7 3.29
26	.841	.194	.123	.054	.347	10.7	212.	246.	307.	*	11.0 3.15
27	.787	.194	.103	.068	.735	8.93	155.	266.	297.	*	9.31 3.02
28	.735	.169	.085	.068	6.98	27.1	134.	198.	256.	*	9.10 2.89
29	.685	=	.085	.068	32.5	20.5	104.	279.	244.	*	8.28 2.77
30	.685	=	.085	.054	21.6	13.9	*	272.	285.	*	7.88 *
31	.636	=	.068	=	20.5	=	99.5	256.	=	*	= 2.64
MOY	*	.337	.113	.063	4.83	*	*	185.	320.	*	23.2 *
DEBIT MINI			0.041							23 AVR	
DEBIT MAXI			441.							11 SEP	

GENERALITES :

- Superficie du bassin versant ----- : 2 700 km²
- Coordonnées de la station ----- : 9°01'N - 0°41'E
- Cote du zéro de l'échelle ----- : 142 (IGN) environ
- Amplitude de l'échelle ----- : 0 à 12 m
- Accès ----- : à 400 m en aval du
radier de la piste
BASSAR-BONGOLOU
- Date de création ----- : 01.06.1971
- Cadence des relevés ----- : 1 relevé par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 ----- : 132
- Maximum jaugé ----- : H = 6.00 - 6.20
Q = 312 m³/s
Date = 19.9.79
- Nombre de tarages utilisés pour la
période 71-79 ----- : 5
- Dernière courbe d'étalonnage utilisée :
. valide du 2.12.77 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,80 A 1,10	0.0	0.0	0.0
1,10 A 1,40	19.000	2.3000	0.0
1,40 A 1,80	18.750	13.250	2.40
1,80 A 2,20	26.250	27.750	10.7
2,20 A 3,00	6.2500	46.250	26.0
3,00 A 4,00	4.0000	66.000	67.0
4,00 A 5,50	6.3100	71.202	137
5,50 A 6,50	12.000	94.000	258
6,50 A 7,50	-22.000	119.00	364
7,50 A 8,50	44.000	72.000	461
8,50 A 9,50	-22.000	147.00	577

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1971	*	*	*	*	*	*	/	/	/	/	*	*
1972	*	/	/	/	/	/	/	/	/	/	.	/
1973	/	/	/	/	/	.	/	/	/	/	.	.
1974	.	.	.	/	/	/	/
1975	.	.	.	/	/	/	/	/	.	/	.	/
1976	/	.	.	/	/	/	/	/	/	.	/	.
1977	/	/	/	/	/	.	/	/	/	.	.	/
1978	/	.	/	/	/	/	/	.	/	/	/	/
1979	/	.	/	/	/	/	/	.	/	/	/	/

- . signifie mois complet
- / signifie mois incomplet
- * signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

DEBITS MOYENS JOURNALIERS EN M3/S

- SYMBOLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

- COMMENTAIRES :

- La station est très instable en basses eaux. Il
n'y a eu que 6 jaugeage d'effectués à cette station
entre le 1.1.71 et le 31.12.75. Les débits de basses
eaux donnés dans ces annales pour cette même période
sont donc très incertains.

- La cadence des relevés est insuffisante.

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	*	*	*	*	*	*	26.8	45.3	28.0	*	*
2	*	*	*	*	*	*	*	*	36.3	23.6	*	*
3	*	*	*	*	*	*	*	59.8	63.0	27.2	*	*
4	*	*	*	*	*	*	*	56.7	80.5	22.7	*	*
5	*	*	*	*	*	*	*	43.0	43.9	63.0	*	*
6	*	*	*	*	*	*	*	28.0	63.0	*	*	*
7	*	*	*	*	*	*	*	*	99.5	*	*	*
8	*	*	*	*	*	*	*	55.1	86.7	*	*	*
9	*	*	*	*	*	*	*	28.0	113.	*	*	*
10	*	*	*	*	*	*	*	36.3	99.5	*	*	*
11	*	*	*	*	*	*	*	35.4	645.	*	*	*
12	*	*	*	*	*	*	*	35.4	116.	*	*	*
13	*	*	*	*	*	*	*	63.0	109.	*	*	*
14	*	*	*	*	*	*	*	199.	93.0	22.3	*	*
15	*	*	*	*	*	*	*	63.0	79.3	*	*	*
16	*	*	*	*	*	*	*	43.0	126.	*	*	*
17	*	*	*	*	*	*	*	127.	*	*	*	*
18	*	*	*	*	*	*	*	83.6	85.4	*	*	*
19	*	*	*	*	*	*	*	63.0	63.0	*	*	*
20	*	*	*	*	*	*	*	96.2	57.7	*	*	*
21	*	*	*	*	*	*	*	57.7	52.6	*	*	*
22	*	*	*	*	*	*	*	41.6	45.3	50.1	*	*
23	*	*	*	*	*	*	*	34.1	47.7	19.7	*	*
24	*	*	*	*	*	*	*	28.0	41.6	*	*	*
25	*	*	*	*	*	*	*	23.6	*	*	*	*
26	*	*	*	*	*	*	*	22.7	45.3	*	*	*
27	*	*	*	*	*	*	*	43.0	*	*	*	*
28	*	*	*	*	*	*	*	43.9	30.8	*	*	*
29	*	=	*	*	*	*	*	36.3	38.5	*	*	*
30	*	=	*	*	*	*	*	31.6	31.6	*	*	*
31	*	=	*	=	*	=	127.	55.1	=	*	=	*
MOY	*	*	*	*	*	*	*	*	*	*	*	*

DLBIT MINJ 19.7 DATE 1ERE OBSERVATION 23 OCT

DEBIT MAXI 645. DATE 1ERE OBSERVATION 11 SEP

TOGO VCLTA MO BONGOULOU 2
 STATION NUMERO 47275106
 ANNEE 1972

TOGO VCLTA MO BONGOULOU 2
 STATION NUMERO 47275106
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	*	0	0	0	3.42	4.81	39.8	508.	13.7	8.06	.122
2	*	*	0	0	0	1.76	13.4	21.0	173.	13.1	5.80	.086
3	*	*	0	0	0	1.22	9.59	16.5	142.	10.7	4.81	.086
4	*	*	0	1.32	C	.550	*	27.2	108.	9.33	3.91	.054
5	*	*	0	.772	C	55.7	2.81	*	96.2	8.81	3.42	.054
6	*	*	C	.550	18.5	11.3	1.88	*	153.	8.06	2.96	.025
7	*	*	0	.025	.694	26.0	3.26	53.6	*	7.82	2.40	.025
8	*	*	0	0	.361	6.44	2.53	21.8	*	6.88	2.13	0
9	*	*	0	0	.122	1.76	1.76	12.2	99.5	6.44	1.76	0
10	*	*	0	0	.054	1.22	36.7	11.6	157.	5.80	1.53	0
11	*	*	0	0	.025	.854	13.4	10.1	645.	5.19	1.43	0
12	*	*	0	0	*	.550	9.59	16.5	127.	4.44	1.22	0
13	*	*	0	0	*	*	306.	13.7	80.5	34.1	1.12	0
14	*	*	0	0	*	*	45.3	8.81	190.	21.4	1.03	0
15	*	*	0	0	.025	.620	44.9	8.06	99.5	17.3	.854	0
16	*	*	0	0	3.91	6.88	120.	74.5	82.4	99.5	.772	0
17	*	*	*	C	1.22	3.11	68.7	54.1	57.2	63.0	.694	0
18	*	*	*	0	.025	1.76	43.9	16.5	39.8	45.3	.620	0
19	*	*	0	*	17.3	.772	15.1	12.2	32.0	36.3	.550	0
20	*	*	0	.206	3.11	.483	*	10.7	89.8	173.	.483	0
21	*	*	0	0	2.40	.162	*	*	*	127.	.420	0
22	*	*	0	C	2.01	*	*	55.1	*	106.	.420	0
23	*	*	0	0	1.22	12.2	9.59	17.3	26.0	63.0	.361	0
24	*	*	0	0	.940	22.7	13.7	99.5	34.1	*	.306	0
25	*	*	0	0	.694	6.88	9.07	56.2	28.4	36.3	.254	0
26	*	*	0	0	.550	1.65	5.19	68.7	40.7	32.0	.206	96.2
27	*	0	0	0	.361	1.03	3.11	*	17.3	29.2	.162	3.91
28	*	0	0	C	19.3	.772	68.7	26.8	14.8	*	.162	1.43
29	*	0	*	0	18.1	.306	45.3	120.	*	*	.122	*
30	*	=	*	C	42.1	.206	20.5	38.0	*	12.2	.122	*
31	*	=	0	=	10.7	=	13.7	35.0	=	10.7	=	3.11
MOY	*	*	*	*	*	*	*	*	*	*	1.60	*

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	0	0	0	0	6.01	1.65	42.1	52.6	77.5	3.11	0
2	*	0	*	0	0	5.00	9.86	13.7	28.0	63.0	2.67	0
3	.420	0	0	0	0	3.11	23.2	7.34	22.7	63.0	2.40	0
4	.306	0	0	0	0	1.03	7.34	3.58	77.5	63.0	1.76	0
5	.206	0	0	C	*	.361	*	42.1	52.6	52.6	1.03	0
6	.122	0	0	0	*	.162	34.1	18.5	*	*	.620	0
7	.086	0	0	0	*	.206	61.9	6.01	*	*	.550	0
8	.054	0	0	0	0	.122	15.5	3.74	89.8	42.1	.483	0
9	.025	0	0	C	C	.654	25.0	1.76	83.6	38.5	.483	0
10	.025	0	0	0	0	0	7.34	13.7	255.	32.0	.420	0
11	0	0	0	0	0	9.86	3.58	7.34	181.	27.6	.361	0
12	0	0	C	0	0	2.81	2.96	3.58	91.1	21.8	.306	0
13	0	*	0	0	2.13	.694	2.13	20.5	78.7	17.3	.254	0
14	0	*	0	0	.254	1.12	12.2	142.	89.8	13.7	.206	0
15	0	0	0	0	.162	.694	3.58	30.0	104.	10.7	.162	0
16	0	0	0	0	.086	.772	20.5	*	93.0	8.06	.162	0
17	0	*	0	0	0	.254	6.66	*	84.8	7.34	.122	0
18	0	0	0	C	0	.025	5.39	*	77.5	6.44	.086	0
19	0	0	0	0	0	.025	2.67	*	*	5.80	.054	0
20	0	0	0	.306	0	.206	1.88	*	*	4.81	.054	0
21	0	0	C	.162	C	0	1.65	*	38.5	3.74	.025	0
22	0	0	0	0	0	.122	*	*	79.9	3.42	.025	0
23	0	0	0	1.22	12.2	9.59	17.3	26.0	63.0	.361	0	0
24	0	0	*	C	0	.420	3.11	55.1	89.8	2.81	0	0
25	0	0	*	C	0	1.12	1.88	34.6	68.7	2.67	0	0
26	0	0	*	0	.086	.361	1.43	52.6	*	2.53	0	0
27	0	0	*	*	0	3.11	1.12	54.1	58.8	2.40	0	C
28	0	0	0	C	1.76	42.1	35.4	57.7	2.40	0	0	0
29	0	=	0	0	1.12	18.5	30.0	56.2	2.81	0	0	0
30	0	=	0	0	3.26	6.01	18.5	55.1	2.67	0	0	0
31	0	=	0	=	*	=	3.58	15.5	=	23.2	=	C
MOY	*	*	*	*	*	1.48	*	*	*	*	.512	0

DEBIT MINI 0.0 DATE IERE OESERVATION 27 FEV
 DEBIT MAXI 645. DATE IERE OESERVATION 11 SEP

DEBIT MINI 0.0 DATE IERE OESERVATION 11 JAN
 DEBIT MAXI 255. DATE IERE OESERVATION 10 SEP

TOGO VOLTA MU BONGOULOU 2
 STATION NUMERO 47275106
 ANNEE 1974

TOGO VOLTA MU BONGOULOU 2
 STATION NUMERO 47275106
 ANNEE 1975

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	0	0	0	0	0	1.12	*	38.5	109.	13.7	*
2	*	0	0	0	0	0	.940	41.2	35.8	68.7	13.1	*
3	*	0	0	0	0	0	7.58	37.6	35.8	61.9	12.8	*
4	*	0	0	0	0	0	2.40	24.1	35.4	*	12.5	*
5	*	0	0	0	0	30.3	1.76	18.1	51.6	*	12.2	*
6	*	0	0	0	0	1.12	1.12	13.7	38.5	57.7	*	*
7	*	0	0	0	0	.854	21.4	13.4	40.7	55.7	*	*
8	*	0	0	0	0	.550	7.82	16.5	37.1	52.6	4.26	*
9	*	0	0	0	0	.483	1.43	15.5	418.	74.5	3.91	*
10	*	0	0	0	0	.483	1.22	13.7	131.	123.	3.74	*
11	*	0	0	0	1.12	.306	.940	60.3	86.7	61.4	3.74	*
12	*	0	0	0	.772	.206	10.4	30.0	77.5	53.6	3.58	*
13	*	0	0	0	.306	.054	*	23.6	53.6	52.6	3.26	*
14	*	0	0	0	.162	.025	181.	13.4	61.9	168.	2.96	*
15	*	0	0	0	.025	*	61.9	12.2	59.8	47.7	2.67	*
16	*	0	0	*	0	.122	15.5	245.	*	40.3	2.53	*
17	0	0	0	*	*	.054	7.58	50.1	39.8	38.5	2.40	*
18	0	0	0	0	0	0	30.8	36.3	77.5	131.	2.26	*
19	0	0	0	1.22	0	0	28.0	30.0	95.6	43.9	2.13	*
20	0	0	0	.361	0	0	116.	28.8	76.3	43.9	2.01	*
21	0	0	0	1.12	0	0	116.	16.2	53.6	43.0	1.88	*
22	0	0	0	1.03	1.12	0	375.	15.1	55.1	38.5	1.76	*
23	0	0	0	.122	.306	0	116.	13.7	38.5	34.1	1.65	*
24	0	0	0	.054	0	0	114.	10.7	37.1	32.0	1.65	*
25	0	0	0	*	0	0	31.6	60.3	306.	30.0	1.53	*
26	0	0	0	0	0	.122	38.0	32.0	131.	36.3	1.43	*
27	0	0	0	0	0	0	37.1	30.0	109.	30.0	1.43	*
28	0	0	0	0	0	*	35.8	37.1	96.2	23.6	1.32	*
29	0	=	0	0	0	2.26	40.7	32.0	*	17.3	1.32	*
30	0	=	0	0	0	1.76	47.2	258.	*	15.5	1.22	*
31	0	=	0	=	0	=	37.6	91.1	=	23.6	=	0
MOY	*	0	0	*	*	*	*	*	*	*	*	*

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.483	.086	0	0	1.12	.420	1.22	*	9.33	127.	7.58	3.11
2	.483	.086	0	0	.620	.420	.940	*	13.7	93.0	6.66	3.11
3	.483	.086	0	0	1.76	.361	.620	63.0	36.7	83.6	6.22	2.96
4	.420	.054	0	0	3.42	*	*	41.6	28.0	*	5.80	2.96
5	.420	.054	0	0	2.40	*	*	171.	26.0	51.1	5.59	2.81
6	.420	.025	0	0	*	.772	50.1	101.	20.5	45.3	5.39	2.81
7	.420	.162	0	0	5.80	.420	23.2	95.6	79.3	37.1	5.19	2.67
8	.361	.162	0	0	4.26	.420	9.33	88.6	68.7	*	5.00	2.67
9	.361	.162	0	0	3.42	3.91	57.7	76.3	49.7	*	4.81	2.67
10	.361	.162	0	0	2.40	8.06	50.6	56.2	63.0	30.0	4.62	2.53
11	.306	.162	0	1.22	1.76	6.88	14.1	44.4	63.0	26.8	4.44	2.40
12	.306	.306	0	*	1.22	3.91	*	40.7	80.5	20.5	4.26	2.40
13	.306	.306	0	*	1.03	3.42	113.	110.	65.8	18.1	4.08	2.26
14	.254	.254	0	.122	.854	1.88	74.5	63.0	74.5	13.7	3.91	2.13
15	.254	.254	0	.086	3.91	38.5	59.8	57.7	79.9	26.0	3.74	*
16	.206	.254	0	.054	2.40	4.26	38.5	43.9	56.7	24.6	3.74	1.88
17	.206	.254	0	.025	1.22	3.42	38.5	30.0	45.3	22.3	3.74	2.01
18	.162	.206	.620	0	4.08	2.40	39.8	23.2	39.4	17.3	3.74	2.01
19	.162	.206	.361	2.40	*	2.13	37.1	37.1	17.3	16.5	3.58	2.01
20	.162	.162	.254	1.22	*	1.88	23.6	32.0	56.7	16.2	3.58	1.88
21	.162	.122	.122	.854	1.32	1.43	16.5	28.0	52.6	15.5	3.58	1.88
22	.122	.122	.122	.772	.940	1.22	15.5	26.8	47.7	14.1	3.42	1.88
23	.162	.086	.086	.694	3.42	1.12	55.1	26.0	142.	12.5	3.42	1.76
24	.162	.086	.086	.620	2.26	.940	45.8	138.	116.	10.7	3.26	1.76
25	.162	.054	.054	.550	1.53	.854	*	43.0	106.	10.4	3.91	1.76
26	.122	.025	0	.550	1.12	.772	43.0	36.3	82.4	10.4	3.91	1.76
27	.122	0	0	.483	.772	.694	55.1	26.8	149.	10.1	3.74	1.76
28	.122	0	0	3.91	.620	.694	52.6	23.6	99.5	9.59	3.58	1.76
29	.122	=	0	2.40	.550	.620	61.9	17.3	89.8	9.07	3.42	1.76
30	.122	=	0	1.76	.483	.620	306.	15.5	188.	8.55	3.26	1.76
31	.122	=	0	=	.420	=	80.5	10.4	=	8.06	=	1.76
MOY	.269	.139	.055	*	*	*	*	*	68.3	*	4.37	*

DEBIT MINI 0.0 DATE IERE OBSERVATION 17 JAN
 DEBIT MAXI 418. DATE IERE OBSERVATION 9 SEP

DEBIT MINI 0.0 DATE IERE OBSERVATION 27 FEV
 DEBIT MAXI 306. DATE IERE OBSERVATION 30 JUL

TOGO VCLTA MO BONGGULOU 2

TOGO VCLTA MO BONGGULOU 2

STATION NUMERO 47275106 ANNEE 1976

STATION NUMERO 47275106 ANNEE 1977

CEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	1.76	.200	.166	0	.700	22.2	10.7	3.96	6.76	49.1	227.	2.59
2	1.76	.200	.166	0	.518	4.64	8.52	3.53	6.45	52.0	144.	2.42
3	1.76	.230	.136	0	.412	2.25	5.38	*	*	41.0	83.5	2.10
4	1.76	.166	.108	0	.364	*	5.38	*	*	70.9	57.0	1.94
5	1.76	.318	.062	0	.276	.869	30.0	21.5	*	35.4	50.6	1.80
6	*	.318	.028	0	.276	8.14	29.4	34.8	*	28.8	40.2	1.66
7	*	.276	.006	0	*	*	24.1	13.3	*	27.1	63.3	1.53
8	3.26	.276	0	0	11.7	1.53	14.5	13.3	*	26.5	70.9	1.40
9	2.67	.236	0	0	5.38	1.53	11.7	*	8.14	26.5	166.	2.11
10	2.26	.236	0	0	3.14	1.53	9.35	13.3	17.3	22.2	*	2.00
11	2.13	.276	0	0	1.53	257.	6.17	12.2	8.14	42.6	43.0	1.89
12	2.01	.276	0	0	1.17	61.6	12.8	7.77	7.08	38.6	35.4	1.89
13	1.88	.236	0	0	2.59	*	8.14	7.41	26.5	33.6	30.6	1.79
14	1.76	.236	0	0	1.28	15.9	8.14	5.38	16.8	33.6	27.1	1.79
15	1.76	.200	0	0	1.06	8.52	6.76	19.4	9.79	33.6	23.7	1.69
16	1.65	.200	0	0	*	6.76	11.7	43.0	10.2	591.	19.4	1.69
17	1.65	.166	0	0	.781	33.6	6.17	24.5	12.2	188.	19.0	1.69
18	1.65	.136	0	.412	.700	47.3	*	33.6	25.5	266.	14.5	1.59
19	1.53	1.53	0	.200	.700	34.8	17.7	*	19.0	74.5	11.2	1.59
20	1.53	.412	0	.108	*	17.7	13.9	71.5	21.9	108.	15.4	1.50
21	1.53	.318	0	.016	.636	21.9	13.3	39.8	170.	340.	9.79	1.50
22	1.43	.200	0	0	.576	32.4	9.35	24.1	51.0	223.	*	1.50
23	1.43	.166	0	0	.518	35.7	6.45	22.2	34.5	105.	11.2	1.50
24	1.43	.166	0	0	.464	49.7	6.17	21.9	31.8	69.7	7.77	1.41
25	1.43	.166	0	.200	.464	98.9	5.90	27.7	80.4	98.2	6.76	1.41
26	1.32	.166	0	*	.412	32.4	5.38	15.0	57.0	100.	5.90	1.41
27	1.32	.166	0	*	1.40	21.5	4.64	12.2	50.6	57.0	5.12	1.41
28	.236	.166	0	2.59	.518	19.1	4.18	*	112.	45.6	4.18	1.32
29	.236	.166	0	.963	.412	18.1	6.76	*	43.8	83.5	3.53	1.23
30	.200	=	0	.869	.412	13.3	4.88	12.2	29.4	49.1	3.14	1.23
31	.200	=	0	=	.412	=	*	*	=	53.0	=	1.15

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	1.15	.700	0	.988	.364	.518	.576	2.45	5.22	45.6	2.96	.950
2	1.15	.636	0	.576	.318	.464	.518	1.79	3.75	126.	2.81	.854
3	1.07	.636	*	.412	.276	.464	25.2	1.50	11.7	74.0	2.53	.854
4	1.07	.636	*	.412	1.79	1.79	3.20	1.15	51.3	51.1	2.40	.854
5	1.07	.636	*	.318	.912	.939	2.00	1.07	24.8	36.1	2.44	.854
6	*	.636	*	.276	.576	.768	1.41	.912	17.9	33.0	2.30	.854
7	1.32	.576	*	.236	.518	.700	1.07	.912	30.7	27.3	2.17	.854
8	1.32	.576	*	.136	.464	.988	1.07	.839	11.5	37.7	1.91	.854
9	1.23	.518	*	.062	.364	.839	3.07	.768	27.3	23.2	1.91	.772
10	1.15	.518	*	0	.364	.518	19.0	.768	15.4	29.6	1.79	.772
11	1.07	.518	*	0	.464	.412	3.75	1.69	63.0	35.6	1.67	.694
12	1.07	.518	*	*	.412	.364	2.00	2.57	166.	26.0	1.56	.620
13	.988	.464	*	*	.364	.318	1.41	17.1	46.8	23.2	1.67	.620
14	.988	.464	*	*	.318	27.7	1.07	5.36	166.	17.3	1.56	.550
15	.988	.412	*	*	.276	3.75	1.07	3.07	62.4	17.3	1.56	.694
16	.912	.412	*	*	.236	2.33	2.22	2.45	48.6	12.2	1.45	.940
17	.912	.412	*	*	.200	1.32	2.00	4.19	30.6	10.4	1.34	.854
18	.912	.364	*	*	.166	.912	1.79	3.61	26.0	9.87	1.34	.854
19	.839	*	*	*	.912	.700	1.23	9.28	21.4	9.60	1.24	.940
20	.839	.318	*	*	.364	.576	1.23	3.20	18.5	8.06	1.24	.940
21	.768	.318	*	1.07	2.00	.576	.912	6.55	51.1	7.82	1.14	.854
22	.768	.318	*	.700	1.07	.518	.912	5.66	35.1	7.11	1.14	.772
23	.768	.276	*	.518	.912	.518	*	4.19	*	6.66	1.14	.694
24	.768	.236	*	.518	.839	.636	1.50	4.19	15.8	6.22	1.14	.694
25	.768	.136	*	.700	*	.518	1.59	3.90	15.8	5.80	1.14	.620
26	.912	.062	*	.700	.518	.464	3.07	5.81	15.1	5.00	1.04	.772
27	.839	.028	*	*	.464	.464	6.55	*	10.1	4.44	1.04	.550
28	.768	.006	*	.518	.412	.412	2.45	*	61.7	4.08	1.04	.550
29	.768	=	*	.464	.412	.464	2.00	4.05	52.4	3.91	1.04	.550
30	.700	=	*	.412	1.79	.636	7.75	17.1	33.6	3.58	.950	.550
31	.700	=	*	=	.700	=	3.07	8.06	=	3.42	=	*

MOY * .268 .022 * * * * * 97.2 * 1.67

MOY * * * * * 1.71 * * * 22.9 1.62 *

DEBIT MINI 0.0 DATE IERE OBSERVATION 8 MAR

DEBIT MINI 0.0 DATE IERE OBSERVATION 1 MAR

DEBIT MAXI 591. DATE IERE OBSERVATION 16 OCT

DEBIT MAXI 166. DATE IERE OBSERVATION 12 SEP

TOGC VCLTA MO BONGCULOU 2
 STATION NUMERO 47275106
 ANNEE 1978

TOGC VCLTA MO BONGCULOU 2
 STATION NUMERO 47275106
 ANNEE 1979

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.550	J	0	.620	*	.550	*	17.7	173.	*	63.1	1.32
2	.483	0	0	.620	1.32	.483	*	18.1	69.6	48.6	51.7	1.88
3	.483	0	1.65	.550	32.1	.483	*	15.5	*	67.0	48.6	1.76
4	.420	0	.854	.550	6.22	1.22	*	15.1	63.1	*	47.0	1.53
5	.420	0	.694	.483	*	.940	18.1	14.8	60.9	*	45.5	1.43
6	.420	0	.620	1.32	*	1.32	9.07	30.2	85.8	45.5	43.5	1.32
7	.420	0	.620	*	1.76	1.32	6.44	17.3	63.1	35.5	35.5	1.22
8	.420	0	.550	*	1.65	1.53	20.5	16.2	44.0	30.7	30.7	1.22
9	.420	0	.483	1.43	2.53	1.43	24.1	51.7	63.1	63.1	24.6	1.12
10	.420	0	*	1.22	2.13	*	20.1	31.2	63.1	119.	*	1.03
11	0	0	13.1	1.12	2.56	*	21.8	21.4	58.7	52.8	17.7	.940
12	*	0	2.13	4.26	2.67	18.1	9.60	18.5	44.0	47.6	14.4	.854
13	*	0	1.88	1.53	3.26	6.66	8.31	188.	84.4	36.5	11.9	.854
14	*	0	1.53	*	3.11	38.9	5.80	59.6	52.3	29.3	10.4	.772
15	*	0	1.22	*	2.91	38.4	44.0	61.4	406.	24.6	9.33	.772
16	*	0	1.03	.772	2.81	27.9	12.8	91.3	117.	21.0	8.31	.694
17	*	0	.854	.772	3.26	263.	45.6	71.0	57.6	51.2	*	.694
18	*	0	.620	1.03	*	30.7	*	38.9	445.	27.4	*	.694
19	*	0	.620	.854	1.53	*	44.5	52.3	151.	49.1	5.59	.620
20	*	0	.694	.772	1.32	*	15.8	18.9	126.	36.0	5.00	.620
21	*	0	.620	.694	1.12	*	10.1	69.6	136.	27.9	4.44	.550
22	*	0	.620	.620	.940	11.6	6.66	161.	84.4	38.0	4.26	.550
23	*	0	.550	.772	.772	19.7	32.6	57.6	177.	44.5	3.91	.550
24	*	0	4.44	.772	.772	201.	94.0	59.8	88.5	65.9	3.42	.550
25	*	0	1.89	.772	.772	7.59	51.2	74.3	67.0	27.9	2.96	.550
26	*	0	1.65	.654	.654	27.4	200.	45.0	53.9	35.0	2.67	.483
27	*	0	1.03	.620	.620	12.2	73.6	79.0	47.0	148.	2.53	.483
28	*	0	.940	.620	*	11.0	49.1	48.1	57.6	82.4	2.40	.483
29	*	=	.854	1.12	*	9.60	39.4	39.4	18.5	301.	2.26	*
30	0	=	.772	*	.550	*	31.2	38.4	57.6	133.	2.13	*
31	0	=	.694	=	.550	=	26.0	94.0	=	87.8	=	.620
MOY	*	0	*	*	*	*	*	53.4	*	*	*	*
DEBIT MINI			0.0									
DEBIT MAXI			445.									
DATE 1ERE OBSERVATION												11 JAN
DATE 1ERE OBSERVATION												18 SEP

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	0	0	0	*	5.80	1.76	153.	137.	105.	*	1.53
2	*	0	*	*	*	17.3	1.12	85.8	122.	64.2	*	1.53
3	.483	0	*	.361	.361	*	.772	62.5	97.5	59.2	*	1.43
4	.420	0	*	.122	*	11.9	*	54.9	236.	45.5	10.7	1.22
5	.420	0	*	.361	*	2.81	20.5	166.	259.	38.0	14.4	1.12
6	.361	0	0	.122	.420	2.40	*	104.	127.	38.9	40.4	1.12
7	.306	0	*	0	1.53	1.88	*	60.3	748.	136.	21.0	*
8	.254	0	0	0	1.03	1.03	9.87	84.4	*	198.	13.1	*
9	.254	0	0	0	.361	.620	*	59.8	*	102.	9.87	.940
10	.254	0	0	0	.054	.420	10.7	38.4	151.	65.3	8.31	.854
11	.254	0	0	0	.054	2.40	*	30.2	247.	50.7	7.11	.772
12	.254	0	0	0	.086	.854	*	25.0	170.	53.3	5.80	.694
13	.206	0	0	0	.086	.620	5.59	87.2	*	53.3	5.00	.550
14	.162	0	0	*	.054	.483	6.44	37.5	67.0	43.0	4.62	.550
15	.162	0	0	*	.025	.361	20.1	35.5	155.	30.7	4.26	.483
16	.122	0	0	*	2.40	2.81	9.33	37.0	247.	28.3	3.91	.483
17	.122	0	0	*	*	82.4	47.0	105.	24.1	3.58	.420	.694
18	.086	0	0	*	1.12	37.0	*	45.5	75.0	26.5	3.42	.420
19	.054	0	0	.420	.361	9.33	177.	79.7	387.	18.5	3.26	.420
20	.025	0	0	.122	.054	6.88	*	47.0	157.	17.3	3.11	.361
21	.025	0	2.53	0	.054	4.81	*	39.9	105.	16.5	2.96	.361
22	0	0	.162	0	.025	*	51.2	144.	159.	13.4	2.81	.306
23	0	0	0	0	0	2.67	267.	174.	130.	11.6	2.67	*
24	0	0	0	0	0	2.26	115.	35.4	137.	9.60	*	*
25	0	0	0	0	0	1.76	124.	115.	240.	9.33	2.26	.361
26	0	0	0	0	0	*	*	127.	122.	117.	*	2.13
27	0	0	0	0	*	4.44	63.6	60.3	79.0	*	1.88	.254
28	0	0	0	0	*	96.1	130.	66.4	*	1.76	*	*
29	0	=	0	*	1.43	7.34	59.2	174.	109.	*	1.65	*
30	0	=	0	*	.854	=	57.6	112.	163.	*	1.65	*
31	0	=	0	=	.361	=	601.	170.	=	*	=	.054
MOY	*	0	*	*	*	*	*	86.4	*	*	*	*
DEBIT MINI			0.0									
DEBIT MAXI			748.									
DATE 1ERE OBSERVATION												22 JAN
DATE 1ERE OBSERVATION												7 SEP

GENERALITES :

- Superficie du bassin versant ----- : 2 240 km²
- Coordonnées de la station ----- : 10°45'N - 0°34'E
- Cote du zéro de l'échelle ----- : 150 (IGN) environ
- Amplitude de l'échelle ----- : -0,50 à 7 m
- Accès ----- : route DAPAONG-BORGOU
- Date de création ----- : 06.05.1960
- Cadence des relevés ----- : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 ----- : 44
- Maximum jaugé ----- : H = 2.73 - 2.67 m
Q = 51.8 m³/s
Date = 5.9.77
- Nombre de tarages utilisés pour la
période 71-79 ----- : 3
- Dernière courbe d'étalonnage utilisée :
. valide du 15.2.75 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
-0,50 A -0,10	0.0	0.0	0.0
-0,10 A 0,50	2.3056	0.0250	0.0
0,50 A 0,70	47.250	2.8250	0.845
0,70 A 1,00	1.6667	19.833	3.33
1,00 A 3,00	1.4500	22.650	9.40
3,00 A 6,40	3.1733	30.240	60.5

Remarques : Le 15.12.75 la station a été déplacée de 80 m en amont de l'ancienne.

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1960	/	*	*	*	/
1961
1962
1963
1964	.	*	*
1965
1966
1967
1968
1969
1970
1971
1972	/	/	.	.	.
1973	/	/	.	/	.	.	/	/	/	/	.	.
1974	/	/	*	/	/	/
1975	/	*	/	/	/	.	*	/
1976	/
1977	.	.	*	/	.	.	/	.	/	.	.	.
1978	.	.	/	/	.	.	.
1979	/	/	/	/	/

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TOGO

VCLTA

SANSARGOU

BORGOU

STATION NUMERO 47276003

ANNEE 1971

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

- SYMBOLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

- COMMENTAIRES :

- Nous avons dû extrapoler beaucoup la courbe
d'étalonnage. Les débits supérieurs à 60 m³/s
donnés dans ces annales sont assez incertains.

- La cadence des relevés est insuffisante.

	DEBITS MOYENS JOURNALIERS EN M ³ /S												
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.056	.042	.030	.038	.001	.667	1.53	7.14	23.2	7.68	1.39	.245	
2	.056	.042	.027	.076	.398	5.99	1.07	3.43	20.1	7.26	1.20	.245	
3	.056	.039	.025	.208	.231	2.58	1.03	7.76	15.3	13.0	1.20	.245	
4	.056	.039	.025	.132	1.17	1.76	3.17	6.14	13.1	9.91	1.20	.245	
5	.052	.035	.020	.076	6.41	4.51	4.04	4.40	19.8	9.28	1.02	.245	
6	.052	.039	.016	.052	2.29	2.29	2.34	3.37	39.6	10.4	.928	.245	
7	.052	.036	.014	.049	1.30	1.44	1.58	3.02	33.4	11.6	.836	.245	
8	.052	.036	.012	.045	.756	.890	1.58	2.77	26.6	15.0	.744	.245	
9	.052	.036	.009	.039	.364	.981	1.12	2.58	33.5	8.46	.652	.245	
10	.052	.036	.008	.036	3.03	2.05	1.34	2.00	27.3	6.47	.652	.245	
11	.076	.036	.006	.036	2.63	1.12	1.30	3.22	26.4	5.80	.561	.200	
12	.076	.033	.005	.036	1.53	1.12	2.92	4.88	39.5	5.29	.561	.200	
13	.076	.030	.004	.033	.711	2.00	6.84	3.37	25.9	4.93	.561	.200	
14	.076	.030	.003	.033	.308	.801	3.02	40.3	20.2	4.43	.470	.200	
15	.076	.030	.002	.030	.170	.285	12.2	72.0	35.9	4.18	.470	.159	
16	.056	.033	.002	.036	1.38	.149	6.21	60.4	68.8	3.74	.470	.159	
17	.056	.033	.002	.029	.667	.084	4.94	16.5	48.9	3.49	.407	.123	
18	.056	.030	.002	.023	.280	.029	13.0	15.3	71.4	3.69	.407	.123	
19	.056	.030	.001	.018	.104	.080	38.0	69.8	60.9	3.20	.407	.123	
20	.056	.030	.001	.014	.540	.051	19.8	108.	32.3	3.39	.407	.123	
21	.056	.030	.001	.010	2.43	.059	10.2	165.	24.8	3.00	.407	.123	
22	.052	.033	.001	.007	1.30	.170	10.8	153.	19.6	2.72	.349	.091	
23	.052	.033	.000	.005	.398	.188	5.43	98.8	16.9	2.52	.349	.091	
24	.052	.030	.000	.003	.188	.149	4.04	51.0	44.6	2.33	.349	.091	
25	.052	.030	.000	.003	.116	.191	3.42	56.5	25.9	2.14	.349	.091	
26	.052	.033	.000	.002	.089	.372	5.59	110.	18.5	1.95	.295	.091	
27	.049	.033	.000	.001	1.35	.170	4.77	123.	14.0	1.86	.295	.091	
28	.049	.033	0	8.81	10.2	9.51	3.73	113.	11.1	1.67	.295	.091	
29	.049	=	.010	3.79	3.37	7.36	2.53	56.8	9.47	1.58	.295	.091	
30	.049	=	.699	1.58	1.86	2.88	4.51	32.1	8.34	1.48	.295	.123	
31	.045	=	.578	=	.980	=	6.04	27.2	=	1.39	=	.091	
MOY	.057	.034	.049	.014	1.03	1.66	6.07	45.9	29.2	5.28	.595	.165	
				DEBIT MINI	0.0	DATE 1ERE OBSERVATION				28 MAR			
				DEBIT MAXI	165.	DATE 1ERE OBSERVATION				21 AOU			
				DEBIT MOYEN ANNUEL	7.64 M ³ /S								

TOGO VOLTA SANSARGCU BORGCU
 STATION NUMERO 47276003
 ANNEE 1972

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.091	.020	.004	C	.145	.107	6.47	35.4	9.83	10.9	1.11	.123
2	.091	.020	.002	0	.141	.077	4.33	25.5	23.5	11.5	1.02	.091
3	.091	.020	.002	0	.077	.052	2.57	8.65	12.9	12.3	.928	.091
4	.063	.020	.002	C	.040	.038	1.58	4.83	*	11.1	.928	.091
5	.063	.017	.001	C	.036	.050	1.16	3.44	7.04	8.90	.928	.091
6	.063	.017	.000	0	.031	.107	.790	2.86	7.10	7.20	.836	.063
7	.063	.017	.000	C	.027	1.63	2.05	9.94	9.64	6.26	.744	.063
8	.063	.017	.000	0	.024	4.27	1.07	6.37	11.6	5.59	.652	.063
9	.063	.017	C	J	.026	7.68	.790	4.34	14.4	5.95	.561	.063
10	.063	.017	0	0	7.46	8.89	1.02	2.76	13.5	5.59	.561	.040
11	.040	.017	0	.006	6.62	13.4	.836	*	35.4	5.08	.470	.040
12	.040	.014	0	.011	2.43	4.33	25.8	*	50.1	4.93	.470	.040
13	.040	.014	0	.006	1.16	2.76	22.7	38.0	16.9	4.18	.407	.036
14	.040	.014	C	.003	.561	8.53	32.6	42.7	28.6	3.98	.407	.036
15	.040	.014	0	.001	.322	4.43	7.52	13.8	70.1	4.73	.349	.032
16	.036	.014	0	.000	.223	2.62	5.34	7.33	89.8	3.79	.349	.032
17	.036	.014	C	C	.141	1.77	3.49	6.00	66.4	3.34	.349	.032
18	.036	.014	C	0	.107	1.11	3.10	4.68	28.0	3.20	.295	.032
19	.032	.014	C	0	.403	.561	2.62	3.74	24.4	2.81	.295	.029
20	.032	.014	0	0	.351	.409	3.10	3.05	21.4	2.67	.245	.029
21	.029	.014	0	C	.200	.270	2.72	3.39	25.4	2.48	.245	.029
22	.029	.014	0	0	.159	.378	2.05	23.7	32.0	2.33	.200	.029
23	.029	.012	C	.418	.161	.836	1.48	40.6	69.8	2.57	.200	.029
24	.029	.012	C	.744	.247	1.83	1.34	45.5	70.7	2.19	.200	.026
25	.026	.012	0	.351	5.34	11.6	1.07	33.5	29.1	1.91	.159	.026
26	.026	.010	C	.202	2.14	6.26	6.69	22.2	25.4	1.72	.159	.026
27	.026	.008	J	.141	.607	3.69	2.33	54.6	20.0	1.62	.123	.026
28	.022	.006	0	.123	.516	1.91	2.63	29.6	16.6	1.48	.123	.026
29	.022	.005	0	.077	.349	1.20	2.86	13.6	13.2	1.39	.123	.026
30	.022	=	0	.038	.297	21.6	2.33	34.1	10.9	1.30	.123	.026
31	.020	=	C	=	.180	=	2.88	13.4	=	1.20	=	.026

MOY .044 .015 .000 .071 .055 3.75 5.07 * * 4.65 .452 .045
 DEBIT MINI 0.0 DATE 1ERE OBSERVATION 9 MAR
 DEBIT MAXI 35.6 DATE 1ERE OBSERVATION 16 SEP

TOGO VOLTA SANSARGCU BORGCU
 STATION NUMERO 47276003
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.029	.010	0	5.75	.027	.392	.349	53.6	24.3	7.26	1.58	.159
2	.029	.010	0	3.55	.021	.223	.484	56.0	42.8	6.62	1.48	.159
3	.026	.008	0	.751	1.25	.123	.653	30.7	24.3	6.42	1.39	.159
4	.026	.008	C	.227	4.35	.052	.349	45.0	17.2	6.57	1.30	.123
5	.026	.008	0	.077	2.14	.091	.245	87.2	34.9	5.85	1.11	.123
6	.022	.006	0	.036	1.21	6.48	.223	102.	81.2	5.44	1.11	.123
7	.022	.004	0	.032	.455	9.63	.141	113.	107.	4.93	1.02	.123
8	.020	.002	0	.027	.180	7.95	.107	126.	80.2	4.63	.928	.123
9	*	.002	0	.024	.077	3.45	.107	77.3	116.	4.38	.928	.123
10	*	.002	0	.021	.038	1.81	.091	45.6	94.3	4.43	.836	.123
11	.017	.002	0	.018	.031	1.63	2.81	106.	77.2	4.38	.744	.123
12	.017	.000	0	.014	.293	1.63	20.2	105.	82.9	3.93	.744	.123
13	.017	.000	C	.012	.530	.744	17.2	92.4	*	3.69	.652	.091
14	.017	.000	0	.012	.744	21.1	4.48	136.	106.	3.34	.652	.091
15	.014	0	0	.012	.247	35.6	6.44	129.	93.9	3.10	.561	.091
16	.014	C	0	*	4.38	7.61	2.81	137.	104.	2.91	.470	.063
17	.014	0	0	.010	3.15	3.59	2.72	130.	73.5	2.81	.470	.063
18	.014	0	0	.010	1.25	2.29	1.30	133.	55.7	2.72	.561	.063
19	.014	0	0	.021	.382	1.58	1.02	*	72.0	2.72	.561	.063
20	.012	0	0	5.29	.180	1.02	9.37	88.4	31.1	2.43	.561	.040
21	.012	*	0	2.86	.077	.698	6.58	58.3	22.7	2.43	.470	.040
22	.012	*	0	1.16	.036	.561	4.13	41.2	11.2	*	.407	.040
23	.012	0	0	.326	3.44	11.3	5.00	40.9	15.2	*	.407	.040
24	.012	0	0	.141	8.98	8.82	4.68	30.2	13.5	*	.349	.040
25	.012	0	0	.052	6.03	3.54	44.3	47.1	12.5	2.14	.349	.036
26	.012	0	0	.040	3.35	2.00	78.9	25.9	10.9	1.95	.295	.036
27	.012	0	0	.351	6.95	1.25	36.8	18.6	9.25	1.95	.295	.036
28	.012	0	0	.161	5.51	.336	31.9	17.4	8.41	2.62	.245	.029
29	.012	=	0	.052	2.91	.561	69.4	17.3	9.18	2.14	.245	.032
30	.012	=	0	.034	1.44	.378	*	11.8	7.89	1.86	.200	.032
31	.012	=	8.49	=	.790	=	19.8	10.0	=	1.76	=	.029

MOY * = .274 * 1.56 4.57 * * * * .697 .082
 DEBIT MINI 0.0 DATE 1ERE OBSERVATION 15 FEV
 DEBIT MAXI 137. DATE 1ERE OBSERVATION 16 AOU

TOGO VCLTA SANSARGGU BORGCU
 STATION NUMERO 47276003
 ANNEE 1974

TOGO VOLTA SANSARGGU BORGCU
 STATION NUMERO 47276003
 ANNEE 1975

DEBITS MGYENS JOURNALIERS EN M3/S

DEBITS MGYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.026	.017	.005	0	.012	4.74	4.60	9.54	*	*	5.90	3.49		
2	.026	.017	.004	0	.011	3.74	3.94	23.1	*	*	5.90	3.49		
3	.022	.017	.004	0	.010	2.62	2.62	38.9	*	*	6.31	3.39		
4	.022	.017	.002	0	.009	2.52	18.7	101.	*	*	3.39			
5	.022	.017	.002	0	.008	2.43	21.2	138.	*	*	5.59	3.30		
6	.020	.017	.001	0	.006	1.11	14.5	81.5	*	*	5.29	3.30		
7	.020	.017	.001	0	.006	.574	6.74	26.1	*	*	5.08	3.20		
8	.020	.017	.000	0	.014	5.76	3.40	56.4	*	16.9	4.98	3.30		
9	.020	.017	.000	0	11.2	2.57	2.19	26.4	*	16.6	4.88	3.30		
10	.017	.017	0	0	3.15	1.39	1.44	13.7	*	14.9	4.88	3.20		
11	.020	.014	0	0	1.58	.836	2.05	10.1	*	14.0	4.78	3.20		
12	.017	.017	0	0	.658	.561	6.48	8.22	*	13.6	4.68	3.10		
13	.020	.017	0	0	1.77	.409	34.7	13.7	*	12.2	4.68	3.10		
14	.017	.017	0	0	2.29	.247	9.16	23.3	*	11.0	4.48	3.10		
15	.017	.017	0	0	1.72	.180	7.26	27.5	*	10.3	4.38	3.10		
16	.017	.014	0	0	.928	.107	*	84.6	*	9.75	4.18	3.10		
17	.017	.017	0	0	.561	2.34	6.42	171.	*	9.32	4.18	3.10		
18	.017	.017	0	0	.484	3.01	3.39	*	*	8.83	4.08	3.00		
19	.017	.014	0	0	1.34	1.07	2.05	102.	*	8.48	4.08	3.00		
20	.017	.014	0	0	2.63	.326	1.44	*	*	7.95	3.98	3.00		
21	.017	.014	0	3.05	.882	.141	1.16	*	*	7.79	3.88	2.91		
22	.017	.014	0	1.77	1.44	.077	6.41	*	*	8.31	3.88	2.81		
23	.017	.014	0	.403	3.21	.038	5.34	*	*	7.68	3.79	2.81		
24	.017	.010	0	.081	56.3	.031	6.31	*	*	7.36	3.79	2.72		
25	.017	.010	0	.029	16.7	.029	7.91	*	*	7.10	3.79	2.72		
26	.017	.008	0	.021	6.37	.026	3.15	*	*	6.83	3.69	2.72		
27	.017	.006	0	.018	4.43	.022	36.4	*	*	6.57	3.69	*		
28	.017	.006	0	.016	3.35	.021	44.1	*	*	6.42	3.59	2.62		
29	.017	=	0	.014	2.43	1.90	21.8	*	*	6.36	3.59	2.62		
30	.017	=	0	.012	1.51	1.86	10.4	*	*	6.21	3.59	2.62		
31	.017	=	0	=	11.1	=	10.9	*	=	5.95	=	2.62		
MCY	.019	.015	.001	.181	4.41	1.37	*	*	*	*	*	*		
				DEBIT MINI	0.0	DATE 1ERE OBSERVATION				10 MAR				
				DEBIT MAXI	171.	DATE 1ERE OBSERVATION				17 AOU				

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	2.52	2.05	.128	.079	0	*	.909	29.7	20.1	14.2	*	.308		
2	2.52	1.95	.123	.071	0	*	6.72	23.1	*	11.1	*	.291		
3	2.43	1.95	.117	.071	0	*	8.67	18.7	*	9.85	*	.275		
4	2.43	1.95	.117	.063	0	*	7.74	*	*	8.67	*	.259		
5	2.43	1.95	.117	.056	0	*	8.36	19.5	26.2	8.05	*	.244		
6	2.43	1.36	.117	.045	0	*	20.8	*	16.7	8.47	*	.229		
7	2.33	1.86	.107	.042	16.5	*	10.4	26.5	21.0	8.78	*	.215		
8	2.33	1.76	.107	.042	16.8	*	6.01	16.8	16.1	9.19	*	.215		
9	2.33	1.76	.097	.036	10.2	*	5.91	15.9	*	9.63	*	.201		
10	2.24	1.76	.097	0	3.29	*	7.74	16.6	25.7	8.26	*	.188		
11	2.24	1.76	.088	.031	1.75	*	10.8	13.8	19.4	7.33	*	.175		
12	2.33	1.76	.088	.031	11.1	*	19.6	17.0	19.7	7.23	*	.175		
13	2.24	1.76	.088	0	17.3	*	*	18.2	23.5	6.82	*	.162		
14	2.24	1.86	.088	.036	10.5	*	*	17.4	*	6.11	*	.162		
15	2.24	4.30	.088	.031	4.53	*	*	11.6	30.7	5.30	*	.150		
16	2.14	.139	.088	.031	6.35	*	25.9	9.41	33.5	4.90	*	.139		
17	2.14	.139	.079	0	11.7	*	16.8	8.26	24.7	4.60	*	*		
18	2.14	.128	.079	0	6.52	*	*	7.13	21.5	4.20	*	.117		
19	2.24	.128	.071	0	6.93	*	*	6.41	17.7	3.90	*	.117		
20	2.24	.128	.071	0	3.69	*	21.7	5.70	14.3	3.50	*	.107		
21	2.24	.128	.071	0	2.17	*	13.6	5.40	28.9	3.30	*	.097		
22	2.14	.128	.071	0	1.28	*	16.3	5.40	*	3.30	*	.097		
23	2.14	.128	.063	0	1.81	*	*	5.50	*	2.79	*	.088		
24	2.14	.139	.056	0	9.74	*	*	8.57	*	2.51	*	.079		
25	2.14	.139	.056	0	10.2	*	*	5.30	*	2.33	*	.071		
26	2.05	.139	.056	0	6.61	*	*	4.30	*	1.95	*	.063		
27	*	.139	.056	0	3.00	*	32.0	3.80	20.0	1.66	*	.049		
28	2.05	.139	.045	0	1.50	*	24.6	3.70	33.0	1.54	*	.042		
29	2.05	=	.042	0	1.37	*	*	14.6	24.7	1.48	*	.036		
30	2.05	=	.056	0	9.31	*	*	8.16	17.4	1.27	*	.031		
31	2.05	=	.056	=	19.7	=	32.5	6.52	=	1.10	=	0		
MCY	*	1.14	.084	.022	6.26	*	*	*	*	5.59	*	*		
				DEBIT MINI	0.0	DATE 1ERE OBSERVATION				10 AVR				
				DEBIT MAXI	33.6	DATE 1ERE OBSERVATION				16 SEP				

TOGO VOLTA SANSARGOU BORGOU
STATION NUMERO 47276003
ANNEE 1976

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	0	0	0	C	0	.388	3.90	1.50	10.1	7.44	6.92	.275
2	0	0	0	C	0	4.30	2.09	2.63	6.11	28.6	5.50	.275
3	0	0	0	0	0	1.52	.895	22.6	4.40	9.74	4.80	.244
4	0	0	0	0	0	.636	.737	16.3	3.40	11.5	4.00	.215
5	0	0	0	0	0	6.16	*	.661	21.8	2.89	6.31	4.40
6	0	0	0	0	0	6.73	*	.555	12.1	4.30	4.50	4.50
7	0	0	0	0	0	1.44	*	.500	12.4	5.50	3.50	4.20
8	0	0	0	0	0	.686	*	.437	10.9	6.41	17.1	3.30
9	0	0	0	0	0	2.52	*	.388	11.0	4.90	9.66	2.33
10	0	0	0	0	0	6.31	6.11	.370	10.2	2.70	6.92	1.86
11	0	0	0	0	0	2.29	2.05	.334	8.47	8.36	5.60	1.49
12	0	0	0	0	0	.725	7.24	.316	7.33	4.20	3.80	1.28
13	0	0	0	0	0	.511	9.06	.308	5.91	2.42	2.61	1.04
14	0	0	0	0	0	.379	5.40	.817	4.10	1.73	1.86	.899
15	0	0	0	0	0	1.01	2.55	3.49	3.50	1.32	1.38	.845
16	0	0	0	0	0	3.90	1.12	3.59	6.93	1.73	6.52	.790
17	0	0	0	0	0	1.60	.778	6.31	8.36	1.88	3.49	.737
18	0	0	0	0	0	.616	.649	3.41	6.72	1.80	3.60	.686
19	0	0	0	0	0	.408	.577	1.10	30.9	.899	6.82	.636
20	0	0	0	0	0	.334	.510	5.20	12.3	1.81	7.33	.589
21	0	0	0	0	0	.291	.458	9.98	16.7	8.67	15.5	.566
22	0	0	0	0	0	6.01	.408	11.1	13.9	14.2	13.8	.543
23	0	0	0	0	0	4.20	.458	6.83	13.2	8.78	9.52	.521
24	0	0	0	0	0	2.55	2.23	7.44	10.4	7.44	6.21	.478
25	0	0	0	0	0	.769	1.68	14.0	7.23	4.90	21.5	.417
26	0	0	0	0	0	.544	.751	7.85	5.40	7.86	22.7	.398
27	0	0	0	0	0	.478	.673	6.82	4.20	15.0	24.0	.379
28	0	0	0	0	0	.398	1.70	3.80	4.10	50.2	12.8	.360
29	0	0	0	0	0	.438	8.80	2.79	5.60	35.9	11.2	.308
30	0	0	0	0	0	.447	5.91	3.00	14.8	12.0	10.4	.291
31	0	0	0	0	0	.417	=	2.89	11.1	=	9.10	=
MOY	0	0	0	0	0	1.78	*	3.61	10.4	8.06	9.84	1.84

DEBIT MINI 0.0 DATE IEPE OBSERVATION 1 JAN
DEBIT MAXI 50.2 DATE IEPE OBSERVATION 28 SEP

TOGO VOLTA SANSARGOU BORGOU
STATION NUMERO 47276003
ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.036	0	*	3.46	0	0	0	9.15	11.3	3.19	.259	0
2	.031	0	*	1.41	0	0	0	4.80	9.64	8.35	.244	0
3	.036	0	*	.478	0	0	0	2.90	14.2	9.40	.229	0
4	0	0	*	.224	1.30	0	0	1.81	24.9	6.32	.215	0
5	0	0	*	.108	.227	0	15.5	1.28	49.7	3.90	.201	0
6	0	0	*	.050	.068	0	1.98	.848	58.2	2.89	.201	0
7	0	0	*	0	.015	0	.678	.831	76.4	2.51	.188	0
8	0	0	*	0	0	0	.353	3.27	55.2	3.00	.175	0
9	0	0	*	0	0	0	.205	50.7	73.8	4.80	.162	0
10	0	0	*	0	0	50.6	82.2	*	3.00	.150	0	0
11	0	0	*	0	0	0	5.71	36.1	42.2	1.94	.139	0
12	0	0	*	0	0	0	1.48	32.1	22.5	1.94	.139	0
13	0	0	*	0	0	0	.712	59.1	20.7	1.66	.128	0
14	0	0	*	0	0	0	.555	24.6	17.3	1.62	.128	0
15	0	0	*	0	0	0	.408	10.8	17.4	1.01	.117	0
16	0	0	*	0	0	0	.334	10.4	17.7	.831	.117	0
17	0	0	*	0	0	.230	.417	15.4	12.3	.737	.107	0
18	0	0	*	0	0	.129	7.44	13.5	10.3	.699	.107	0
19	0	0	*	0	0	.067	40.0	8.78	8.78	.649	.097	0
20	0	0	*	0	0	.018	10.7	20.4	9.97	.601	.088	0
21	0	0	*	0	0	0	47.5	14.3	9.74	.555	.088	0
22	0	0	*	0	0	0	24.0	32.2	8.36	.510	.071	0
23	0	0	*	0	0	0	*	15.7	6.41	.468	.071	0
24	0	0	*	0	0	44.9	37.3	5.70	.447	.063	0	0
25	0	0	*	4.43	0	12.8	73.2	5.60	.398	.056	0	0
26	0	0	*	1.07	0	31.2	33.3	4.60	.388	.056	0	0
27	0	0	*	.515	0	59.8	49.1	4.00	.360	.049	0	0
28	0	0	*	.260	0	39.5	93.5	3.90	.334	.042	0	0
29	0	0	*	.194	0	12.7	80.0	4.00	.316	.036	0	0
30	0	0	*	.140	0	26.2	25.8	3.90	.299	.031	0	0
31	0	0	*	.060	0	16.4	16.1	=	.275	=	0	0
MOY	.003	0	*	.267	.015	*	27.7	*	2.04	.125	0	0

DEBIT MINI 0.0 DATE IEPE OBSERVATION 4 JAN
DEBIT MAXI 93.5 DATE IEPE OBSERVATION 28 AOU

STATION NUMERO 47276003													
ANNEE 1979													
DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	0	0	0	.591	4.91	2.05	2.70	36.5	1.38	.215	0		
2	0	0	0	.335	15.6	1.08	2.01	38.7	1.11	.215	0		
3	0	0	0	.163	4.30	.817	14.7	15.6	.861	.188	0		
4	0	0	0	.103	21.2	23.6	53.3	12.3	.817	.162	0		
5	0	0	0	.028	60.0	3.90	50.7	8.16	.777	.162	0		
6	0	0	0	0	49.3	3.29	11.5	6.62	.724	.150	0		
7	0	0	*	0	56.5	2.01	6.93	5.10	.649	.150	0		
8	0	0	0	.015	29.2	8.06	6.41	4.00	.589	.117	0		
9	0	0	0	7.81	10.3	4.10	14.2	2.24	.613	.107	0		
10	0	0	0	11.3	6.21	6.02	7.44	2.60	.543	.107	0		
11	0	0	1.31	0	8.02	4.50	5.81	6.32	8.64	.895	.088	0	
12	0	0	5.25	0	3.80	6.78	2.82	4.50	10.7	.724	.079	0	
13	0	0	2.59	0	2.03	34.0	1.49	5.50	10.3	.510	.071	0	
14	0	0	2.26	0	16.4	13.9	7.34	13.5	7.85	.447	.056	0	
15	0	0	.593	30.2	12.6	9.46	8.16	16.0	14.2	.408	.056	0	
16	0	0	.253	6.02	4.90	7.03	27.0	13.3	27.1	.370	.056	0	
17	0	0	.123	1.68	2.33	7.64	12.3	7.13	26.6	.342	.049	0	
18	0	0	.050	.663	.946	6.11	11.0	5.50	15.5	.334	.056	0	
19	0	0	0	.438	.649	3.00	10.7	4.30	13.1	.299	.049	0	
20	0	0	0	.300	.543	1.81	7.23	8.66	11.0	.283	.049	0	
21	0	0	0	.189	.448	1.48	5.81	9.05	8.16	.292	.049	0	
22	0	0	0	.128	.361	1.23	4.30	7.33	6.52	.932	.042	0	
23	0	0	4.16	.079	.291	.975	3.00	4.00	5.60	2.26	.036	0	
24	0	0	.380	.028	.317	8.57	3.80	3.00	5.70	.947	0	0	
25	0	0	.253	0	.343	8.16	8.50	2.02	5.50	.578	0	0	
26	0	0	.135	0	.589	7.44	19.7	1.49	4.30	.448	0	0	
27	0	0	.050	0	.429	5.71	19.9	1.27	3.40	.370	0	0	
28	0	0	0	0	.261	2.45	11.9	1.35	2.79	.334	0	0	
29	0	=	0	0	.151	5.31	7.54	1.72	*	.316	0	0	
30	0	=	0	.457	.088	4.10	5.70	1.04	1.94	.291	0	0	
31	0	=	0	=	.049	=	3.70	24.4	=	.260	=	0	
MOY	0	0	*	1.34	2.45	13.2	7.92	10.0	*	.635	.077	0	
DEBIT MINI	0.0			DATE 1ERE OBSERVATION							1 JAN		
DEBIT MAXI	60.0			DATE 1ERE OBSERVATION							5 JUN		

STATION NUMERO 47276003													
ANNEE 1979													
DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	0	0	0	0	1.62	.590	35.4	57.0	*	22.3	10.2	.398	
2	0	0	0	0	18.6	10.1	11.8	59.8	192.	18.5	6.21	.360	
3	0	0	0	0	14.6	5.81	5.10	25.5	206.	11.2	3.90	.351	
4	0	0	0	0	3.90	2.48	2.90	9.86	93.5	*	2.70	*	
5	0	0	0	0	1.94	1.28	1.57	9.63	89.6	7.85	1.95	.308	
6	0	0	0	0	.712	6.73	3.30	11.2	85.7	7.03	1.48	.291	
7	0	0	0	0	.400	6.22	7.58	14.3	*	6.31	4.00	.291	
8	0	0	0	0	.217	3.19	9.65	13.4	*	5.40	2.33	.291	
9	0	0	0	0	2.18	.883	5.10	18.6	*	4.50	1.60	.291	
10	0	0	0	0	12.3	3.04	2.01	30.5	*	5.20	1.23	.275	
11	0	0	0	0	3.28	1.24	1.26	14.1	*	4.70	1.00	.275	
12	0	0	0	0	1.33	.804	.725	22.8	76.9	3.70	.878	.259	
13	0	0	0	0	.578	.661	.869	48.8	89.6	2.66	.831	.259	
14	0	0	0	0	.637	9.76	14.0	69.9	82.9	4.10	.790	.229	
15	0	0	0	0	.478	3.03	6.92	51.3	52.5	3.90	.737	.215	
16	0	0	0	0	.325	1.23	1.86	62.5	53.6	3.60	.711	.215	
17	0	0	0	0	.267	1.93	4.20	62.5	75.1	3.09	.686	.215	
18	0	0	0	.980	.222	3.45	7.33	44.8	52.1	*	.636	.201	
19	0	0	0	.205	.169	32.3	5.20	57.7	41.8	2.34	.612	.201	
20	0	0	0	.067	.145	15.3	3.20	69.5	41.7	1.80	.589	.201	
21	0	0	0	.039	.117	3.70	5.20	50.6	33.5	1.54	.543	.188	
22	0	0	0	.015	.057	2.26	3.39	71.6	27.7	1.27	.521	.188	
23	0	0	0	0	.102	1.44	50.2	*	24.9	1.18	.499	.188	
24	0	0	0	0	.139	5.00	47.6	*	20.8	1.07	.499	.175	
25	0	0	0	0	.112	2.70	37.4	67.9	16.6	1.03	.478	.162	
26	0	0	.084	0	6.35	1.60	10.1	59.9	15.5	.972	.478	.150	
27	0	0	.018	0	30.6	1.24	37.5	*	25.1	.946	.478	.150	
28	0	0	0	0	16.1	17.4	.869	31.7	34.7	22.8	.899	.135	
29	0	=	0	0	23.6	5.00	.662	16.7	88.5	23.3	.878	*	.128
30	0	=	0	5.00	1.64	.566	7.33	*	29.1	1.29	.417	.107	
31	0	=	0	=	.818	=	28.8	217.	=	5.71	=	.097	
MOY	0	0	.003	1.53	4.08	4.34	13.1	*	*	*	*	*	
DEBIT MINI	0.0			DATE 1ERE OBSERVATION							1 JAN		
DEBIT MAXI	217.			DATE 1ERE OBSERVATION							31 AOU		

GENERALITES :

- Superficie du bassin versant ----- : 106 km²
- Coordonnées de la station ----- : 10°07'N - 0°46'E
- Cote du zéro de l'échelle ----- : 145 (IGN) environ
- Amplitude de l'échelle ----- : 0 à 5 m
- Accès ----- : -Piste NABOULGOU-
PANGA
-Accès difficile en
hivernage
- Date de création ----- : 11.05.1962
- Cadence des relevés ----- : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 ----- : 39
- Maximum jaugé ----- : H = 1.55 m
Q = 13.0 m³/s
Date = 13.9.1964
- Nombre de tarages utilisés pour la
période 71-79 ----- : 1
- Dernière courbe d'étalonnage utilisée :
. valide du 11.05.62 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,40	0.0	0.0	0.0
0,40 A 0,50	-1.000	0.2500	0.0
0,50 A 0,70	14.750	0.0750	0.0150
0,70 A 1,00	20.889	5.8667	0.620
1,00 A 2,00	0.5200	19.620	4.26
2,00 A 3,00	0.4000	20.200	24.4

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1962	/	*	*	*	*	.	/	/	.	.	.	/
1963	/	*	/	*	/	/	.	.	*	.	.	.
1964	/	.	.	/	.	.	/
1966	/	.	.	/	/	*	/
1967	/	*	*	*	*	*	*
1968	/	*	*	*	*
1969
1970	/	.	.	.
1971
1972
1973
1974	/
1975	/	*	/	/
1976	/	.	.
1977	/	/	.	.
1978	/	*	*	/	/
1979

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (1-79)

TJGD VOLTA KOUPENI NABOULGOU
STATION NUMERO 47277503
ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

- COMMENTAIRES :

- Nous avons dû extrapoler beaucoup la courbe d'étalonnage. Les débits supérieurs à 16,0 m³/s donnés dans ces annales sont assez incertains.

- La station est stable en basses et moyennes eaux et la traduction hauteur-débit précise.

- La cadence des relevés est insuffisante compte tenu de la rapidité des crues à la station. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire, des débits donnés dans ces annales pour l'étude des crues et des modules.

	DEBITS MOYENS JOURNALIERS EN M3/S												
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	0	0	0	0	0	.011	0	1.05	19.7	2.22	.405	0	
2	0	0	0	0	0	.003	0	1.69	12.4	4.17	.315	0	
3	0	0	0	0	0	0	.006	2.11	9.99	3.56	.236	0	
4	0	0	0	0	.015	.297	.001	2.63	8.01	3.00	.170	0	
5	0	0	0	0	.013	.104	.005	1.95	21.4	2.49	.115	0	
6	0	0	0	0	.006	.352	.005	1.97	29.4	1.97	.073	0	
7	0	0	0	0	0	.019	.008	1.58	18.1	2.03	.042	0	
8	0	0	0	0	0	.012	.035	1.27	16.1	4.26	.022	0	
9	0	0	0	0	0	.006	.016	2.10	7.61	3.90	.015	0	
10	0	0	0	0	0	0	.131	3.56	6.92	3.99	.015	0	
11	0	0	0	0	0	.010	.390	3.15	6.52	2.56	.014	0	
12	0	0	0	0	0	.007	.406	3.31	7.12	2.22	.014	0	
13	0	0	0	0	0	.003	.294	3.00	6.52	1.91	.014	0	
14	0	0	0	0	0	0	.384	3.47	8.11	1.68	.013	0	
15	0	0	0	0	0	0	.255	3.15	7.71	.939	.013	0	
16	0	0	0	0	0	0	.280	2.63	7.12	.927	.011	0	
17	0	0	0	0	0	0	.429	9.80	8.11	.683	.011	0	
18	0	0	0	0	0	0	.294	12.1	6.13	.508	.010	0	
19	0	0	0	0	0	0	.219	13.5	5.54	.480	.008	0	
20	0	0	0	0	0	0	.568	16.9	7.71	.255	.007	0	
21	0	0	0	0	0	0	1.09	32.3	11.0	.297	.005	0	
22	0	0	0	0	0	.303	1.01	12.1	9.99	.186	.005	0	
23	0	0	0	0	0	.003	3.23	5.34	9.20	.219	.005	0	
24	0	0	0	0	0	0	2.49	4.95	7.81	.156	.002	0	
25	0	0	0	0	0	0	2.16	20.6	6.52	.336	0	0	
26	0	0	0	0	0	0	1.91	20.0	5.64	.255	0	0	
27	0	0	0	0	.005	0	1.52	9.79	4.75	.186	0	0	
28	0	0	0	0	.128	0	1.27	9.00	4.08	.128	0	0	
29	0	=	0	0	.083	.009	1.51	8.01	3.23	.083	0	0	
30	0	=	0	0	.014	.005	1.79	37.0	2.70	.049	0	0	
31	0	=	0	=	.012	=	3.81	42.1	=	.026	=	0	
MOY	0	0	0	0	.009	.019	.823	9.43	9.51	1.47	.051	0	
DEBIT MINI				0.0	DATE 1ERE OBSERVATION				1 JAN				
DEBIT MAXI				42.1	DATE 1ERE OBSERVATION				31 AOU				
DEBIT MOYEN ANNUEL				1.78 M3/S									

TOGO VCLTA KROUPENI NABOULGOU
 STATION NUMERO 47277533
 ANNEE 1972

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	.014	.620	2.49	.202	0
2	0	0	0	0	0	0	0	.013	.966	2.35	.170	0
3	0	0	0	0	0	0	0	.011	1.42	2.92	.141	0
4	0	0	0	0	0	0	0	.002	1.22	2.63	.115	0
5	0	0	0	0	0	0	0	0	1.13	2.49	.093	0
6	0	0	0	0	0	0	0	0	.681	2.22	.073	0
7	0	0	0	0	0	0	0	.005	8.20	1.97	.073	0
8	0	0	0	0	0	0	0	.002	7.02	.815	.056	0
9	0	0	0	0	.013	0	.010	0	4.65	1.05	.056	0
10	0	0	0	0	.008	0	0	0	5.24	.888	.031	0
11	0	0	0	0	.001	0	0	0	4.85	7.21	.031	0
12	0	0	0	0	0	0	0	0	4.26	2.63	.022	0
13	0	0	0	0	0	0	0	0	3.90	3.90	.022	0
14	0	0	0	0	0	0	0	0	3.73	3.73	.022	0
15	0	0	0	0	0	0	0	0	3.07	3.23	.017	0
16	0	0	0	0	.034	0	0	0	3.23	2.92	.015	0
17	0	0	0	0	.009	0	0	0	3.07	2.63	.015	0
18	0	0	0	0	.006	0	0	.014	2.92	2.49	.014	0
19	0	0	0	0	.001	0	0	.008	2.77	2.22	.014	0
20	0	0	0	0	0	0	0	.005	2.63	2.09	.014	0
21	0	0	0	0	0	0	.015	.002	2.49	1.85	.014	0
22	0	0	0	0	0	0	.014	.236	2.22	1.62	.011	0
23	0	0	0	0	0	0	.007	.073	2.09	1.52	.010	0
24	0	0	0	0	.010	0	.002	.966	1.97	1.42	.008	0
25	0	0	0	0	.001	0	.008	.454	1.74	1.22	.007	0
26	0	0	0	0	0	0	.007	.115	3.07	.620	.005	0
27	0	0	0	0	.006	0	.005	.093	2.35	.506	.002	0
28	0	0	0	0	.001	0	.002	.358	2.63	.454	0	0
29	0	0	0	0	0	0	0	1.13	2.77	.405	0	0
30	0	=	0	0	0	0	0	.966	2.63	.358	0	0
31	0	=	0	=	0	=	0	.562	=	.274	=	0
MOY	0	0	0	0	.003	0	.002	.162	2.99	2.04	.042	0

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 1 JAN
 DEBIT MAXI 8.20 DATE 1ERE OBSERVATION 7 SEP
 DEBIT MOYEN ANNUEL 0.435 M3/S

TOGO VCLTA KROUPENI NABOULGOU
 STATION NUMERO 47277503
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC			
1	0	0	0	0	0	0	0	0	.011	.013	1.62	.031	0		
2	0	0	0	0	0	0	0	0	.005	.011	2.22	.015	0		
3	0	0	0	0	0	0	0	0	0	.010	2.09	.017	0		
4	0	0	0	0	0	0	0	0	.093	1.13	4.65	.015	0		
5	0	0	0	0	0	0	0	0	.317	.013	.013	.966	4.26	.014	0
6	0	0	0	0	0	0	0	0	.015	.010	1.05	3.90	.014	0	
7	0	0	0	0	0	0	0	.002	.042	.005	.888	3.39	.013	0	
8	0	0	0	0	0	0	0	.010	.202	0	3.90	2.92	.011	0	
9	0	0	0	0	0	0	0	0	.506	0	3.39	1.42	.010	0	
10	0	0	0	0	0	0	0	0	.358	.005	2.49	.620	.008	0	
11	0	0	0	0	0	0	0	0	.056	.358	5.24	1.13	.007	0	
12	0	0	0	0	0	0	0	0	.010	.014	.274	2.92	.815	.005	0
13	0	0	0	0	0	0	0	0	.056	.005	.170	3.23	.681	.005	0
14	0	0	0	0	0	0	0	0	.031	0	.115	3.07	.506	.002	0
15	0	0	0	0	0	0	0	0	.315	0	.073	1.74	.454	.002	0
16	0	0	0	0	0	0	0	0	.005	0	.031	.620	.315	0	0
17	0	0	0	0	0	0	0	0	0	0	1.22	.888	.274	0	0
18	0	0	0	0	0	0	0	0	0	0	.966	.966	.202	0	0
19	0	0	0	0	0	0	0	0	.015	0	.815	1.13	.141	0	0
20	0	0	0	0	0	0	0	0	.010	0	.562	1.52	.115	0	0
21	0	0	0	0	0	0	0	0	.115	1.74	.115	0	0	0	0
22	0	0	0	0	0	0	0	0	.073	1.62	.115	0	0	0	0
23	0	0	0	0	0	0	0	0	.141	1.42	.093	0	0	0	0
24	0	0	0	0	0	0	0	0	.014	.115	2.92	.056	0	0	0
25	0	0	0	0	0	0	0	0	0	.236	1.32	.042	0	0	0
26	0	0	0	0	0	0	0	0	.115	2.09	.093	0	0	0	0
27	0	0	0	0	0	0	0	0	.073	1.22	.073	0	0	0	0
28	0	0	0	0	0	0	0	0	.042	3.39	.115	0	0	0	0
29	0	0	0	0	0	0	0	0	.031	2.35	.042	0	0	0	0
30	0	=	0	0	0	0	0	0	.022	1.97	.031	0	0	0	0
31	0	=	0	=	0	=	0	0	0	=	.022	=	0	0	0
MOY	0	0	0	0	.000	.006	.039	.184	1.84	1.05	.006	0	0	0	0

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 1 JAN
 DEBIT MAXI 5.24 DATE 1ERE OBSERVATION 11 SEP
 DEBIT MOYEN ANNUEL 0.260 M3/S

STATION NUMERO 47277503												STATION NUMERO 47277503																	
ANNEE 1974												ANNEE 1975																	
CEBITS MOYENS JOURNALIERS EN M3/S												CEBITS MOYENS JOURNALIERS EN M3/S																	
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC						
1	0	0	0	0	0	0	.562	4.08	1.97	.170	0	1	0	*	*	.746	.042	0	0	.358	1.97	11.2	.015	0					
2	0	0	0	0	0	0	.888	3.39	1.42	.274	0	2	*	*	*	.668	0	0	0	.274	1.74	10.2	.014	0					
3	0	0	0	0	0	0	3.90	4.65	.620	.236	0	3	*	*	*	.966	0	0	.042	.170	1.97	9.79	.014	0					
4	0	0	0	0	0	0	14.2	4.08	1.22	.202	0	4	*	*	*	1.13	0	0	.017	.141	1.74	8.80	.013	0					
5	0	0	0	0	0	8.20	0	9.20	1.13	.170	0	5	*	*	*	.274	0	0	.013	.093	1.62	8.60	.011	0					
6	0	0	0	0	.017	0	5.24	37.7	.966	.141	0	6	*	*	*	.358	0	0	.008	2.63	.966	2.92	.010	0					
7	0	0	0	0	.010	1.05	4.65	17.4	.620	.115	0	7	*	*	*	.454	.002	0	0	.506	.815	1.42	.010	0					
8	0	0	0	0	.007	.888	4.26	6.23	.562	.093	0	8	*	*	*	.015	0	.010	0	.405	.681	1.32	.008	0					
9	0	0	0	0	.002	.681	2.35	5.24	.506	.073	0	9	*	*	*	.031	0	.005	0	.746	.620	1.05	.008	0					
10	0	0	0	0	.015	0	.073	2.22	4.08	.405	.056	0	10	*	*	*	.056	0	0	.073	.202	.562	.746	.007	0				
11	0	0	0	0	.011	0	.002	2.09	8.60	.315	.042	0	11	*	*	*	.093	0	0	0	.141	.681	.620	.007	0				
12	0	0	0	0	.007	0	0	1.97	5.24	.236	.031	0	12	*	*	*	.002	.005	0	0	.562	11.2	.506	.005	0				
13	0	0	0	0	.005	0	0	1.74	5.05	.202	.022	0	13	*	*	*	.007	0	0	.022	1.74	4.65	.405	.005	0				
14	0	0	0	0	.002	0	0	1.22	4.85	.170	.017	0	14	*	*	*	.010	0	0	.315	1.22	3.39	.358	.005	0				
15	0	0	0	0	0	0	.010	1.13	4.26	.141	.015	0	15	*	*	*	.013	0	0	.002	2.35	3.90	.506	.005	0				
16	0	0	0	0	0	0	.005	4.08	4.26	.115	.014	*	16	*	*	*	0	0	0	0	1.13	51.5	.454	.005	0				
17	0	0	0	0	.002	0	1.05	3.39	4.08	.170	.014	*	17	*	*	*	0	0	0	.115	.966	50.3	.358	.005	0				
18	0	0	0	0	0	0	.015	1.42	3.90	.141	.013	*	18	*	*	*	0	0	0	.506	.815	42.5	.274	.007	*				
19	0	0	0	0	0	0	.013	1.22	3.73	.236	.011	*	19	*	*	*	0	0	0	.073	.506	5.83	.202	.007	*				
20	0	0	0	0	.008	0	.010	.966	3.56	.170	.010	*	20	*	*	*	0	0	.315	.022	.405	5.24	.170	.007	*				
21	0	0	0	0	.007	0	.008	.746	3.39	.141	.010	*	21	*	*	*	0	0	.115	.014	.358	7.21	.202	.007	*				
22	0	0	0	0	.002	0	.031	.620	3.23	.966	.008	*	22	*	*	*	0	0	.056	.013	.274	6.03	.141	.007	*				
23	0	0	0	0	.007	0	.017	1.97	7.21	.746	.008	*	23	*	*	*	0	0	.014	.888	.202	6.42	.115	.005	*				
24	0	0	0	0	.005	0	.014	7.41	4.65	.620	.007	*	24	*	*	*	0	0	.013	.681	1.97	4.85	.093	.005	*				
25	0	0	0	0	.002	0	.011	7.41	4.08	.454	.007	*	25	*	*	*	0	0	0	.454	1.32	4.08	.042	.002	*				
26	0	0	0	0	0	0	.010	6.23	3.39	.405	.005	*	26	*	*	*	0	0	0	.315	.358	3.73	.022	.002	*				
27	0	0	0	0	0	0	.141	4.08	3.23	.358	.002	*	27	*	*	*	0	0	0	.202	.315	3.39	.015	0	*				
28	0	0	0	0	0	0	.014	13.2	3.07	.315	.002	*	28	*	*	*	0	0	0	.141	.236	3.07	.093	0	*				
29	0	=	0	0	0	0	.013	7.81	2.92	.236	0	*	29	*	=	*	0	0	0	.405	.141	6.62	.031	0	*				
30	0	=	0	0	0	0	.966	7.02	4.08	.170	0	*	30	*	=	*	0	0	0	.315	.053	6.03	.022	0	*				
31	0	=	0	=	0	=	.620	6.23	=	.141	=	0	31	*	=	0	=	0	=	.236	.236	=	.017	=	0				
MOY	0	0	0	0	.002	.275	.182	4.17	6.26	.512	.059	*	MOY	*	*	*	.162	.002	.018	.157	.673	8.11	1.96	.006	*				
DEBIT MINI	0.0			DATE IERE OBSERVATION							1 JAN				DEBIT MINI	0.0			DATE IERE OBSERVATION							1 JAN			
DEBIT MAXI	37.7			DATE IERE OBSERVATION							6 SEP				DEBIT MAXI	51.5			DATE IERE OBSERVATION							16 SEP			

TGCG VCLTA KCUPENI NABOULGOU
 STATION NUMERO 47277503
 ANNEE 1976

TGCG VCLTA KCUPENI NABOULGOU
 STATION NUMERO 47277503
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	0	0	0	C	0	0	.170	.073	.141	.202	1.22	.008
2	0	0	0	0	0	0	.042	.202	.093	.236	1.05	.008
3	0	0	0	C	0	0	.031	.053	.073	.274	.620	.007
4	0	0	0	0	0	0	.073	.042	.056	.815	.506	.014
5	0	0	0	0	0	0	.115	.031	.042	1.13	.562	.005
6	0	0	0	C	C	0	.315	.022	.031	1.62	.506	.005
7	0	0	0	0	0	0	.141	.015	.022	1.42	.454	.005
8	0	0	0	0	C	0	.093	.014	.017	1.32	.358	.002
9	0	0	0	0	C	.007	.031	.031	.015	1.22	.274	.002
10	0	0	0	0	0	.005	.022	.017	.014	.358	.170	0
11	0	0	0	0	0	0	.017	.015	.014	.815	.141	0
12	0	0	0	0	0	0	.015	.017	.031	.746	.115	0
13	0	0	0	0	0	0	.022	.015	.042	.815	.093	0
14	0	C	0	0	0	0	.017	.015	.017	1.13	.073	0
15	0	0	0	0	0	0	.015	.014	.015	1.97	.358	0
16	0	0	0	C	0	1.05	0	.014	.014	4.08	.042	0
17	0	0	0	0	0	.009	.042	.014	.014	3.39	.031	0
18	0	0	0	0	0	.311	.236	.073	.014	2.22	.031	0
19	0	0	0	0	0	.011	.073	3.39	.013	1.42	.022	0
20	0	0	0	0	0	.013	.815	1.62	.013	4.08	.022	0
21	0	0	0	C	0	.011	.620	.815	.014	4.85	.022	0
22	0	0	0	0	0	.013	.202	.966	.022	4.46	.022	0
23	0	0	0	0	C	2.22	.115	.746	.506	3.90	.017	0
24	0	0	0	C	0	1.05	.141	.620	.010	3.39	.017	0
25	0	0	0	C	0	.170	.746	.454	.562	*	.015	0
26	C	0	0	0	0	.620	1.74	.405	.454	2.09	.014	0
27	0	0	0	0	0	.562	1.13	.236	.681	2.22	.013	0
28	0	0	0	0	.010	.454	.888	.202	.620	2.09	.011	0
29	0	0	0	0	.007	.358	.562	.170	.358	1.85	.010	0
30	0	=	0	C	0	.274	.405	.141	.236	1.52	.008	0
31	0	=	0	=	0	=	.236	.170	=	1.42	=	0

1	0	0	0	0	0	0	0	0	0	*	0	0
2	0	0	0	0	0	0	0	0	0	*	0	0
3	0	0	0	0	0	.008	0	0	0	*	0	0
4	0	0	0	0	0	.005	0	0	0	.008	0	0
5	0	0	0	0	0	0	0	0	0	.007	0	0
6	0	0	0	C	0	0	0	0	0	.005	0	0
7	0	0	0	0	0	0	0	0	0	.015	0	0
8	0	0	0	0	0	0	0	0	0	.014	0	0
9	0	0	0	0	0	0	0	0	0	.011	0	0
10	0	0	0	0	0	0	0	0	0	.008	0	0
11	0	0	0	0	0	0	0	0	0	.005	0	0
12	0	0	0	0	0	0	0	0	0	.015	0	.031
13	0	0	0	0	0	0	0	0	0	.013	0	.022
14	0	C	0	0	0	0	0	0	0	.017	0	0
15	0	0	0	C	C	0	0	0	0	.005	.015	0
16	0	0	0	0	0	0	0	0	0	.315	.014	0
17	0	0	0	0	0	.009	.042	.014	.014	3.39	.031	0
18	0	0	0	0	0	.311	.236	.073	.014	2.22	.031	0
19	0	0	0	0	0	.011	.073	3.39	.013	1.42	.022	0
20	0	0	0	0	0	.013	.815	1.62	.013	4.08	.022	0
21	0	0	0	0	0	.011	.620	.815	.014	4.85	.022	0
22	0	0	0	0	0	.013	.202	.966	.022	4.46	.022	0
23	0	0	0	0	C	2.22	.115	.746	.506	3.90	.017	0
24	0	0	0	C	0	1.05	.141	.620	.010	3.39	.017	0
25	0	0	0	C	0	.170	.746	.454	.562	*	.015	0
26	0	0	0	0	0	.620	1.74	.405	.454	2.09	.014	0
27	0	0	0	0	0	.562	1.13	.236	.681	2.22	.013	0
28	0	0	0	0	.010	.454	.888	.202	.620	2.09	.011	0
29	0	0	0	0	.007	.358	.562	.170	.358	1.85	.010	0
30	0	=	0	C	0	.274	.405	.141	.236	1.52	.008	0
31	0	=	0	=	0	=	.236	.170	=	1.42	=	0

MGY 0 0 0 C .001 .228 .292 .344 .138 * .227 .002

MGY 0 0 0 0 0 .001 0 .001 * * 0 0

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 1 JAN

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 1 JAN

DEBIT MAXI 4.65 DATE 1ERE OBSERVATION 21 OCT

DEBIT MAXI 0.315 DATE 1ERE OBSERVATION 16 SEP

TOGC VCLTA KOUPENI NABOULGOU												TJGO VCLTA KCUPENI NABOULGOU																	
STATION NUMERO 47277503												STATION NUMERO 47277503																	
ANNEE 1978												ANNEE 1979																	
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S																	
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC						
1	0	*	*	*	.002	0	0	1.42	1.97	1.05	.141	0	1	0	0	0	0	.010	6.62	3.39	1.13	.015	0						
2	*	*	*	*	0	0	.022	1.22	1.74	.966	.093	0	2	0	0	0	0	.008	3.39	2.77	1.97	.014	0						
3	*	*	*	*	0	0	.014	1.05	1.52	.888	.056	0	3	0	0	0	.014	0	.007	3.07	2.63	3.23	.115	0					
4	*	*	*	*	.022	0	.007	.966	9.20	.815	.031	0	4	0	0	0	.010	.008	.005	1.32	2.35	2.77	.093	0					
5	*	*	*	*	.014	.002	.002	.888	7.21	.746	.115	0	5	0	0	0	.007	.007	.014	1.05	3.23	2.49	.073	0					
6	*	*	*	*	.007	0	0	1.13	4.46	.681	.093	0	6	0	0	0	.002	.002	.011	.888	4.65	2.35	.056	0					
7	*	*	*	*	0	0	0	22.1	3.07	.620	.073	0	7	0	0	0	0	.007	.008	.746	4.26	2.22	.042	0					
8	*	*	*	*	0	0	0	41.9	2.77	.562	.056	0	8	0	0	0	0	.010	.007	.620	3.07	2.35	.031	0					
9	*	*	*	*	0	0	0	4.85	2.35	.506	.042	0	9	0	0	0	0	.008	.008	.005	.454	2.92	2.09	.022	0				
10	*	*	*	*	.093	0	0	3.39	2.09	.454	.031	0	10	0	0	0	0	.005	.073	.002	.315	2.77	1.85	.017	0				
11	*	*	*	*	.015	.010	0	3.07	1.97	.405	.022	0	11	0	0	0	0	.315	.008	.202	3.07	1.62	.015	0					
12	*	*	*	*	.008	.007	.042	2.35	1.22	.358	.017	0	12	0	0	0	0	.454	.007	.170	6.23	1.42	.014	0					
13	*	*	*	*	.358	0	.022	2.49	1.05	.315	.017	0	13	0	0	0	0	.746	.002	.141	4.08	1.22	.014	0					
14	*	*	*	*	.562	0	1.97	2.22	1.22	.274	.015	0	14	0	0	0	0	.620	0	.115	7.21	1.05	.013	0					
15	*	*	*	*	.010	0	1.05	2.49	1.05	.358	.015	0	15	0	0	0	0	.562	0	.093	3.07	.888	.011	0					
16	*	*	*	.005	0	0	.170	2.09	.966	.315	.014	0	16	0	0	0	0	.454	0	.315	2.77	.746	.010	0					
17	*	*	*	*	0	0	.141	1.85	.815	.236	.014	0	17	0	0	0	0	.358	.005	14.0	2.63	.620	.008	0					
18	*	*	*	*	0	0	.115	1.62	.681	.170	.013	0	18	0	0	0	0	.274	13.0	29.7	.888	.454	.007	0					
19	*	*	*	*	0	0	.056	.815	.562	.141	.011	0	19	0	0	0	0	.170	5.83	14.6	1.05	.358	.005	0					
20	*	*	*	*	0	0	.031	.620	.454	.093	.011	0	20	0	0	0	0	.093	2.92	19.5	1.32	.274	.005	0					
21	*	*	*	0	0	0	.015	.815	.073	.405	.010	0	21	0	0	0	0	.042	2.63	28.5	21.7	.170	.002	0					
22	*	*	*	0	0	0	2.49	2.09	3.73	.315	.008	0	22	0	0	0	0	.017	0	27.4	22.5	.115	0	0					
23	*	*	*	0	0	0	7.02	1.74	5.83	.236	.007	*	23	0	0	0	0	.314	0	8.60	24.0	.093	0	0					
24	*	*	*	.011	0	0	6.23	1.42	3.07	.170	.005	*	24	0	0	0	0	.011	.115	7.41	19.3	.115	0	0					
25	*	*	*	.005	0	0	17.6	1.62	2.49	.141	.005	*	25	0	0	0	0	.022	.562	2.77	3.90	.093	0	0					
26	*	*	*	0	0	0	40.6	1.74	2.22	.115	.002	*	26	0	0	0	0	.015	.620	2.22	1.13	.073	0	0					
27	*	*	*	0	0	0	4.08	1.52	1.97	.141	.002	*	27	0	0	0	0	.014	1.13	1.97	.966	.056	0	0					
28	*	*	*	0	0	.007	3.39	1.42	1.62	.274	0	*	28	0	0	0	0	.011	1.05	1.74	.815	.042	0	0					
29	*	*	*	0	0	.005	2.49	1.74	1.42	.236	0	*	29	0	0	0	0	.007	.966	1.52	.681	.031	0	0					
30	*	*	*	.005	0	0	2.09	1.52	1.22	.202	0	*	30	0	0	0	0	0	.315	10.8	.506	.022	0	0					
31	*	*	*	=	=	=	1.85	1.22	=	.170	=	*	31	0	0	0	0	=	.966	3.56	=	.017	=	0					
MGY	*	*	*	*	.035	.001	2.95	3.72	2.33	.399	.031	*	MGY	0	0	0	0	.001	.144	.990	6.25	5.33	1.03	.019	0				
DEBIT MINI	C.0			DATE IERE OBSERVATION								1 JAN			DEBIT MINI	C.0			DATE IERE OBSERVATION								1 JAN		
DEBIT MAXI	41.9			DATE IERE OBSERVATION								8 AOU			DEBIT MAXI	29.7			DATE IERE OBSERVATION								18 AOU		
DEBIT MOYEN ANNEEL												1.15 M3/S																	

GENERALITES :

- Superficie du bassin versant ----- : 394 km²
- Coordonnées de la station ----- : 9°28'N - 1°07'E
- Cote du zéro de l'échelle ----- : 285 (IGN) environ
- Amplitude de l'échelle ----- : -0.50 à 6 m
- Accès ----- : route AWANDJELO-KABOU
- Date de création ----- : 06.05.1962
- Cadence des relevés ----- : 2 à 3 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 ----- : 61
- Maximum jaugé ----- : H = 0.96 - 0.94 m
Q = 26.9 m³/s
Date = 21.9.77
- Nombre de tarages utilisés pour la période 71-79 ----- : 2
- Dernière courbe d'étalonnage utilisée :
. valide du 1.4.76 au 31.12.1979
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
-0,50 A -0,16	0.0	0.0	0.0
-0,16 A 0,0	0.3646	0.0198	0.0
0,0 A 0,15	11.667	0.1667	0.0125
0,15 A 0,40	26.500	3.7750	0.30
0,40 A 0,60	37.000	17.600	2.90
0,60 A 1,00	43.750	37.750	7.90
1,00 A 3,20	0.0	68.182	30.0

Remarques : station déplacée le 1.4.1976

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1962	/	*	*	*	/
1963	/	/
1964
1965	.	*	*	*	*	*	*	*	*	*	*	/
1967	/	/
1968
1969
1970
1971	/	/	/	*	*	/
1972	/	*	*	*	/	/	/	/	/	/	*	/
1973	*	/	*	/	/
1974	/	*	/	/	/	/
1975	.	.	/	/	.	.
1976	.	.	/
1977	*	*	/
1978	/	/	/
1979

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TOGC VCLTA KFAYA ATCHANGBADE
 STATION NUMERO 47277803
 ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
- . + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

- Nous avons dû extrapoler beaucoup la courbe d'étalonnage. Les débits supérieurs à 30 m³/s donnés dans ces annales sont assez incertains.
- La cadence des relevés est insuffisante compte tenu de la rapidité des crues à la station. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire, des débits donnés dans ces annales pour l'étude des crues et des modules.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.200	0	.035	.259	.038	2.08	.904	*	*	*	*	*
2	.200	0	.035	.259	0	1.12	.527	142.	*	*	*	*
3	.172	0	.017	.200	C	.812	.712	*	144.	*	*	*
4	.172	0	.017	.146	0	.665	.437	*	*	*	*	*
5	.172	0	.146	.075	.325	.608	4.58	*	220.	*	*	*
6	.146	0	.098	.055	.134	.450	2.63	*	*	*	*	*
7	.146	0	.075	.055	.109	.394	.872	*	256.	*	*	*
8	.098	0	.075	.509	.065	.359	2.91	*	*	*	*	*
9	.098	0	.055	.431	.026	.324	1.65	*	211.	*	*	*
10	.098	0	.055	.291	.017	.358	84.0	*	*	*	*	*
11	.075	0	.055	.259	0	.510	15.8	*	228.	*	*	*
12	.075	0	.035	.146	.055	4.62	3.45	*	204.	*	*	*
13	.075	.550	.035	.075	.510	1.97	9.68	181.	*	*	*	*
14	.055	.469	.200	.865	.377	1.06	4.27	*	*	*	*	*
15	.055	.394	.146	.550	.245	.648	1.17	*	*	*	*	*
16	.055	.358	.055	.358	.529	.510	141.	*	*	*	*	*
17	.035	.291	.017	.172	.159	.691	61.6	226.	*	*	*	*
18	.035	.200	.550	.055	.121	.510	2.76	*	*	*	*	*
19	.035	.121	.469	0	.121	.904	1.09	*	*	*	*	*
20	.017	.098	.358	0	3.42	.490	2.76	*	*	*	*	*
21	.017	.075	.291	0	1.32	3.68	141.	*	*	*	*	*
22	.017	.055	.229	0	.654	2.18	*	*	*	*	*	*
23	0	.055	.172	0	.470	1.97	*	*	*	*	*	*
24	0	.200	.146	0	.765	1.17	*	*	*	*	*	*
25	0	.146	.075	0	.432	.672	*	*	*	*	*	*
26	.035	.098	.075	0	.292	.765	*	*	*	*	*	*
27	.035	.055	.550	0	.173	4.49	*	*	*	*	*	*
28	.017	.035	.469	.259	3.53	1.71	*	*	*	*	*	*
29	.017	=	.394	.172	2.18	1.69	*	*	*	*	*	*
30	.017	=	.324	.146	1.16	.848	265.	*	*	*	*	*
31	.017	=	.259	=	.654	=	*	106.	=	*	=	.200
MOY	.071	.114	.178	.178	.585	1.29	*	*	*	*	*	*
DEBIT MINI				0.0	DATE 1ERE OBSERVATION			23 JAN				
DEBIT MAXI				265.	DATE 1ERE OBSERVATION			30 JUL				

TUGO VCLTA KPAYA ATCHANGBADE
 STATION NUMERIC 47277803
 ANNEE 1972

TUGO VCLTA KPAYA ATCHANGBADE
 STATION NUMERIC 47277803
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.075	*	*	*	*	*	*	*	353.	*	*	*
2	*	*	*	*	*	*	*	*	219.	*	*	*
3	*	*	*	*	*	*	*	*	70.6	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*	*	*
7	*	*	*	*	*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	129.	*	*	*	*	*
9	*	*	*	*	*	*	40.8	*	*	*	*	*
10	*	*	*	*	*	*	*	189.	9.14	*	*	*
11	*	*	*	*	*	*	*	*	6.60	*	*	*
12	*	*	*	*	0	*	*	*	5.98	*	*	*
13	*	*	*	*	0	*	156.	*	5.42	*	*	*
14	*	*	*	*	0	*	64.8	*	4.90	*	*	*
15	*	*	*	*	3.18	*	37.7	*	4.43	*	*	*
16	*	*	*	*	.924	*	28.5	*	9.66	*	*	*
17	*	*	*	*	.624	*	*	13.3	6.60	*	*	*
18	*	*	*	*	.229	*	*	12.3	5.98	*	*	*
19	*	*	*	*	.251	*	*	22.1	4.66	*	*	*
20	*	*	*	*	.098	*	*	17.1	4.02	*	*	*
21	*	*	*	*	.035	*	*	16.0	11.2	*	*	*
22	*	*	*	*	1.68	*	*	103.	11.2	9.66	*	*
23	*	*	*	*	.585	*	*	63.9	9.66	8.63	*	*
24	*	*	*	*	.259	*	*	9.14	5.98	*	*	*
25	*	*	*	*	.146	*	105.	*	8.63	5.42	*	*
26	*	*	*	*	.550	*	54.7	*	6.60	4.90	*	*
27	*	*	*	*	.200	*	34.6	*	4.43	*	*	*
28	*	*	*	*	1.42	112.	*	*	3.49	*	*	*
29	*	*	*	*	3.33	37.7	*	105.	2.75	*	*	*
30	*	*	*	*	21.6	*	*	29.7	*	*	*	*
31	*	*	*	*	*	*	*	*	*	*	*	.075
MOY	*	*	*	*	*	*	*	*	*	*	*	*

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	*	*	*	*	*	.358	.550	3.03	3.65	4.02	2.35	.259	
2	*	*	*	*	*	.172	.759	2.35	3.03	9.14	2.35	.259	
3	*	*	*	*	*	.055	1.88	1.42	22.1	16.0	1.05	.259	
4	*	*	*	*	*	.055	.550	228.	6.60	7.61	1.05	.259	
5	*	*	*	*	*	.550	14.4	3.83	5.15	5.98	.865	.259	
6	*	*	*	*	*	.358	2.48	11.7	4.02	5.42	.865	.229	
7	*	*	*	*	*	.624	2.35	6.60	22.1	4.02	.810	.229	
8	*	*	*	*	*	.098	1.05	9.14	11.7	3.65	.910	.229	
9	*	*	*	*	*	.035	.759	14.4	14.4	3.65	.759	.229	
10	*	*	*	*	*	.035	.759	228.	22.1	3.18	.665	.229	
11	*	*	*	*	*	.035	.550	239.	18.8	3.18	.665	.229	
12	*	*	*	*	*	.172	.759	77.3	11.7	2.89	.624	.200	
13	*	*	*	*	*	.017	1.42	14.4	8.63	2.89	.624	.200	
14	*	*	*	*	*	.469	.759	229.	5.15	2.35	.585	.200	
15	*	*	*	*	*	.035	.469	22.1	5.15	2.35	.550	.200	
16	*	*	*	*	*	.759	.098	.358	14.4	22.1	2.35	.550	.200
17	*	*	*	*	*	.465	.017	.291	22.1	14.4	2.35	.509	.172
18	*	*	*	*	*	.259	0	.585	14.4	6.60	2.35	.509	.172
19	*	*	*	*	*	.146	0	.550	9.14	6.60	1.88	.469	.172
20	*	*	*	*	*	.017	0	.509	11.7	4.66	1.88	.469	.172
21	*	*	*	*	0	0	1.05	.469	9.14	4.02	1.60	.431	.146
22	*	*	*	*	0	0	.550	.394	4.66	4.02	1.60	.431	.146
23	*	*	*	*	0	0	.200	.394	21.6	11.7	1.60	.431	.146
24	*	*	*	*	0	0	.075	.865	11.7	22.1	1.51	.431	.146
25	*	*	*	*	0	0	.035	.550	9.66	9.14	1.51	.394	.146
26	*	*	*	*	0	0	.035	.469	6.60	5.15	1.51	.358	.121
27	*	*	*	*	0	0	.324	.469	5.15	6.60	1.26	.358	.121
28	*	*	*	*	0	0	.469	2.35	5.15	22.1	1.26	.358	.121
29	*	*	*	*	0	0	.759	1.05	4.02	9.66	.985	.324	.121
30	*	*	*	*	*	*	.469	.759	4.02	4.90	.985	.291	.121
31	*	*	*	*	*	*	.624	3.65	=	.924	=	.098	
MOY	*	*	*	*	*	.239	1.30	40.2	10.6	3.29	.698	.187	

DEBIT MINI C.C DATE IERE OBSERVATION 12 MAI
 DEBIT MAXI 353. DATE IERE OBSERVATION 1 SEP

DEBIT MINI C.0 DATE IERE OBSERVATION 13 FEV
 DEBIT MAXI 239. DATE IERE OBSERVATION 11 AOU

TOGG VOLTIA KPAYA ATCHANGBADE												TOGG VOLTA KFAYA ATCHANGBADE														
STATION NUMERO 47277803												STATION NUMERO 47277803														
ANNEE 1974												ANNEE 1975														
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S														
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGU	SEP	OCT	NOV	DEC			
1	.098	*	*	*	*	.585	6.29	4.43	28.5	3.49	.509	1	.259	.075	0	2.48	.121	2.48	.759	11.7	5.98	8.63	1.19	1.12		
2	.098	*	*	*	*	.121	.358	6.60	3.65	6.29	3.65	.431	2	.259	.075	*	.585	.058	1.60	.710	10.7	16.6	8.12	1.12	1.05	
3	.058	*	*	*	*	.291	4.90	17.1	6.60	2.48	.394	3	.259	.055	*	.075	.075	1.51	.665	10.2	16.0	7.10	1.12	.985		
4	.075	*	*	*	*	.200	3.83	108.	5.98	1.51	.469	4	.259	.055	*	.035	.055	1.42	.624	9.66	4.02	4.02	1.05	.924		
5	.075	*	*	*	*	4.43	.324	3.03	17.1	6.60	1.78	.358	5	.259	.035	*	.017	.035	1.26	.585	8.63	2.48	3.65	.985	.865	
6	.055	*	*	*	*	1.12	.665	2.23	132.	3.83	1.99	.431	6	.229	.035	*	0	1.34	1.19	.665	4.02	9.14	4.66	.924	.810	
7	.055	*	*	*	*	.509	2.61	1.69	47.3	5.42	.759	.394	7	.229	.624	*	0	.509	1.05	.550	3.83	4.02	4.22	.865	.810	
8	.055	*	*	*	*	.291	3.65	1.34	17.1	11.7	.759	.431	8	.229	.358	*	0	.358	.665	.585	3.49	3.65	4.02	.810	.759	
9	.055	*	*	*	*	.303	1.42	86.8	4.90	.865	.358	9	.200	.259	*	0	1.26	.585	.550	2.89	3.49	4.90	.810	.710		
10	.055	*	*	*	*	.431	2.35	2.23	13.9	17.1	.985	.394	10	.200	.200	*	0	.624	.509	.469	37.7	3.33	4.43	.759	.665	
11	.035	*	*	*	0	.259	1.26	1.99	9.14	10.7	1.12	.358	11	.200	.146	*	0	.431	1.05	.394	22.1	3.83	4.02	1.42	.624	
12	.035	*	*	*	.985	.172	2.75	.924	1.05	9.14	1.26	.324	12	.200	.121	*	0	.291	1.12	11.7	21.0	3.65	3.83	1.42	.710	
13	.035	*	.229	*	.550	.121	1.05	4.02	9.66	6.60	1.26	.358	13	.146	.121	*	.121	.759	1.05	10.7	17.7	3.49	3.65	1.34	.358	
14	.017	*	.146	0	.759	.075	17.1	1.42	8.63	11.7	1.34	.358	14	.146	.098	*	.035	.665	.985	9.14	14.4	11.7	3.33	1.26	.259	
15	.017	*	.075	.509	.710	*	11.7	2.23	6.60	11.7	.759	.358	15	.146	.075	*	.017	.624	.865	8.12	12.3	22.1	3.03	1.19	.200	
16	.017	*	.035	.291	.200	*	3.33	86.8	4.66	6.60	.759	.324	16	.146	.075	*	.358	.550	1.12	7.10	6.60	22.1	2.75	2.35	.146	
17	.017	*	0	.055	.035	*	3.18	4.43	4.02	4.43	.759	.291	17	.146	.055	*	.291	.469	.865	5.98	6.29	21.6	2.48	2.23	.172	
18	0	*	0	0	0	.759	2.35	1.69	4.43	6.60	.710	.358	18	.146	.055	*	.229	.710	.710	4.90	5.69	22.1	2.23	2.11	.146	
19	0	*	*	.585	0	.550	4.22	2.23	4.02	5.15	.665	.324	19	.146	.035	*	.229	.624	.509	4.43	4.90	44.0	2.23	1.99	.121	
20	0	*	*	.172	.710	.324	2.35	1.60	3.65	9.14	.624	.324	20	.146	.017	*	.172	.585	.431	6.29	4.43	22.1	*	1.88	.200	
21	0	*	*	.035	.324	.200	1.88	2.35	.759	10.7	.585	.324	21	.121	.017	*	.146	.509	.394	5.98	5.98	21.6	*	1.78	.200	
22	0	*	*	0	.035	.146	17.1	1.26	.665	6.60	.665	.324	22	.121	0	*	.075	.469	.358	5.69	5.69	20.4	*	1.69	.200	
23	0	*	*	0	.550	*	11.7	1.42	2.35	4.90	.624	.324	23	.121	0	*	.055	.354	.324	5.15	5.42	19.9	*	1.60	.200	
24	0	*	*	0	.324	*	5.15	28.5	1.88	7.10	.585	.324	24	.098	0	*	.759	.358	.291	4.90	4.90	19.3	*	1.51	.200	
25	0	*	*	0	.075	.200	4.02	6.29	17.1	5.98	.550	.291	25	.098	0	*	.665	.324	.229	4.43	4.66	17.1	*	1.42	.200	
26	0	*	*	0	*	3.18	4.02	5.69	6.60	.624	.291	26	.098	0	*	.624	.259	.172	4.22	4.43	16.6	*	1.42	.200		
27	0	*	*	*	0	17.1	4.02	4.22	11.7	4.43	.585	.291	27	.098	0	*	.259	.229	.121	4.02	4.02	16.0	*	1.34	.200	
28	0	*	*	*	.017	4.43	4.02	4.66	5.98	3.33	.550	.291	28	.098	0	0	.229	.172	.229	3.65	3.83	15.5	*	1.26	.172	
29	0	=	*	*	0	2.48	2.89	4.43	12.8	3.65	.585	.291	29	.098	=	0	.172	.146	.200	3.33	3.49	10.7	*	1.26	.172	
30	0	=	*	*	0	1.05	6.60	6.60	17.1	3.18	.550	.291	30	.098	=	0	.146	.172	.172	5.15	3.33	9.14	*	1.19	.172	
31	*	=	*	=	0	=	10.7	5.98	=	3.18	=	.291	31	.098	=	0	=	.146	=	4.90	3.33	=	*	=	.172	
MOY	*	*	*	*	*	4.35	6.80	19.3	7.69	1.11	.351		MOY	.164	.032	*	.259	.431	.782	4.08	8.62	13.7	*	1.38	.443	
DEBIT MINI			0.0										DEBIT MINI			0.0										
DEBIT MAXI			132.										DEBIT MAXI			44.0										
DATE 1ERE OBSERVATION									18 JAN				DATE 1ERE OBSERVATION													
DATE 1ERE OBSERVATION									6 SEP				DATE 1ERE OBSERVATION													

TOGO												TOGO																	
VOLTA				KFAYA				ATCHANGBADE				VOLTA				KPAYA				ATCHANGBADE									
STATION NUMERO 47277803												STATION NUMERO 47277803																	
ANNEE 1976												ANNEE 1977																	
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S																	
JAN	FEV	MAR	AVR	MAI	JUN	JUL	ACU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGU	SEP	OCT	NOV	DEC						
1	.172	.324	0	.243	.028	6.79	2.34	3.46	3.72	122.	96.1	1.13	1	*	*	.015	0	.123	.173	.146	5.40	2.90	10.0	1.04	.231				
2	.172	.291	0	.202	.017	.897	2.12	5.40	4.43	16.2	15.6	1.04	2	*	*	.015	0	.286	.211	.161	2.02	16.2	5.59	1.04	.231				
3	.172	.172	0	.211	.012	.813	1.71	3.98	3.77	9.33	13.6	.942	3	*	*	.012	0	.646	.249	3.43	.625	4.09	7.05	.942	.231				
4	.172	.146	*	.225	.017	.697	5.40	56.8	3.36	9.69	10.8	.854	4	*	*	*	0	.282	.291	1.35	1.37	5.03	5.96	.942	.201				
5	.172	.146	*	.202	.018	1.20	3.72	11.5	25.1	6.85	8.90	.942	5	*	*	*	0	.173	.233	1.24	1.97	18.1	5.55	.942	.201				
6	.172	.121	*	.211	.017	5.40	15.4	8.68	7.52	6.67	8.87	.942	6	*	*	*	0	.111	.173	.989	1.77	11.9	2.90	.942	.201				
7	.172	.121	*	.225	.369	4.55	4.78	6.39	4.22	7.62	7.05	.854	7	*	*	*	0	.081	.493	.813	1.07	11.2	7.12	.854	.201				
8	.172	.172	*	.202	5.40	3.96	3.84	4.22	4.22	6.68	7.46	.772	8	*	*	*	0	.556	.266	.818	.951	16.3	5.96	.772	.172				
9	.121	.146	*	.202	2.20	2.02	3.88	6.46	4.54	5.81	10.6	.694	9	*	*	*	0	.173	.134	3.43	.555	13.8	2.90	.772	.172				
10	.121	.121	*	.211	1.62	2.05	4.09	5.08	3.67	6.78	6.00	.854	10	*	*	*	0	.286	.101	3.37	1.35	11.9	2.90	.694	.172				
11	.121	.121	*	.225	.455	139.	3.56	6.00	2.99	5.70	5.55	.772	11	*	*	*	0	.625	.073	2.26	.951	49.9	6.28	.694	.172				
12	.121	.055	0	.202	1.60	10.0	5.02	5.68	3.36	7.11	2.90	.694	12	*	*	*	0	.309	.057	1.35	25.8	17.3	4.22	.622	.172				
13	.121	.035	.055	.211	1.65	5.03	4.96	3.84	3.48	4.22	4.66	.694	13	*	*	*	0	.173	.051	1.35	5.97	14.6	2.90	.622	.172				
14	.121	.035	.017	.225	.251	69.7	6.46	2.90	2.27	11.5	4.20	.622	14	*	*	*	0	.111	5.68	1.53	2.90	25.9	3.84	.622	.172				
15	.098	.017	0	.202	1.37	11.2	7.11	11.7	3.78	8.49	3.87	.146	15	*	*	*	0	.073	1.01	1.19	6.57	16.3	3.18	.555	.493				
16	.098	.017	0	12.1	.994	8.02	3.84	14.8	5.49	16.3	3.56	.146	16	*	*	*	0	.044	.291	3.70	5.56	14.3	2.73	.493	.340				
17	.098	0	0	1.65	.320	5.41	13.0	8.33	3.39	10.8	3.17	.146	17	*	*	*	0	.038	.343	.749	2.90	8.69	2.41	.493	.216				
18	.075	0	0	.397	.465	7.90	11.2	11.5	3.28	12.2	2.10	.146	18	*	*	*	0	.028	.223	1.13	9.69	9.69	2.11	.493	.186				
19	.075	0	*	.216	.412	8.49	8.68	14.6	7.59	45.1	2.65	.146	19	*	*	*	0	.028	.412	1.29	4.36	8.87	2.11	.493	.172				
20	.075	.076	*	.127	.282	7.82	6.54	16.5	4.09	13.3	2.57	.146	20	*	*	*	2.86	.028	.493	1.19	2.90	6.46	1.97	.437	.172				
21	.055	.127	*	.057	.369	5.69	3.72	9.09	10.0	27.5	4.32	.493	21	*	*	*	.591	.024	.389	1.09	9.90	13.3	1.84	.437	.159				
22	.055	.035	*	6.37	.248	4.09	4.43	7.12	5.55	13.3	2.65	.437	22	*	*	*	.412	.018	.262	2.74	5.69	12.1	1.84	.386	.320				
23	.035	0	*	.193	.379	4.09	3.28	9.90	63.3	10.7	2.19	.437	23	*	*	*	.248	.081	.216	1.71	4.09	9.48	1.71	.386	.465				
24	.035	0	*	.066	.340	4.67	4.32	6.68	8.88	9.52	1.84	.386	24	*	*	*	.351	.465	.172	.749	2.90	6.66	1.58	.340	.437				
25	.035	0	*	.057	.363	3.28	4.20	4.09	9.74	10.5	1.71	.386	25	*	*	*	.186	.033	.216	3.85	3.88	7.72	.555	.340	.437				
26	.035	0	*	.369	.650	3.37	3.27	4.49	62.2	9.33	1.58	.386	26	*	*	*	.134	.033	.202	9.10	13.8	6.09	1.35	.340	.437				
27	.017	0	*	.632	1.37	3.88	4.14	5.03	13.2	15.6	.555	.437	27	*	*	*	.101	.083	.236	3.35	5.70	12.7	1.24	.300	.437				
28	.017	0	*	.270	.146	3.49	5.68	14.8	17.8	15.4	1.35	.437	28	*	*	*	.081	.044	.146	3.39	5.59	9.09	1.24	.300	.386				
29	.017	0	*	.102	.389	3.91	4.55	9.79	11.9	10.7	1.24	.386	29	*	*	*	.065	.044	.266	24.9	4.36	6.68	1.24	.265	.386				
30	.585	=	*	.044	.282	1.94	4.20	5.56	9.70	10.3	1.19	.340	30	*	*	*	.105	.173	.186	7.33	7.58	4.09	1.97	.265	.386				
31	.358	=	0	=	.216	=	2.82	5.03	=	11.0	=	.340	31	*	*	*	=	.153	=	5.79	4.09	=	2.41	=	.386				
MOY	.125	.075	*	.860	.700	11.3	5.23	9.46	10.6	15.4	7.96	.553	MOY	*	*	*	.171	.173	.442	3.08	4.91	12.4	3.38	.594	.275				
DEBIT MINI			0.0			DATE IERE OBSERVATION						17 FEV			DEBIT MINI			0.0			DATE IERE OBSERVATION						1 AVR		
DEBIT MAXI			139.			DATE IERE OBSERVATION						11 JUN			DEBIT MAXI			49.9			DATE IERE OBSERVATION						11 SEP		

STATION NUMERO 47277803												STATION NUMERO 47277803													
ANNEE 1978						ANNEE 1979						ANNEE 1978						ANNEE 1979							
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.081	*	0	.465	.302	.044	1.13	3.72	15.6	6.52	3.61	.854	1	.437	.146	.300	.146	.497	1.06	1.10	19.2	45.7	18.2	3.46	.898
2	.081	*	0	.280	1.15	.537	1.04	3.56	12.6	7.97	3.67	.854	2	.437	.122	.265	.379	.166	.845	.658	15.3	27.1	17.4	3.17	.854
3	.081	*	0	.465	2.92	.351	5.59	3.00	27.4	7.77	3.56	.813	3	.366	.122	.231	.146	.302	.420	.320	14.4	11.7	12.1	3.46	.813
4	.065	*	*	.336	.218	.325	3.96	2.49	11.2	5.68	16.9	.772	4	.366	.122	.201	.302	.965	.749	6.51	10.3	45.3	10.8	3.27	.774
5	.065	*	*	.146	.465	.186	3.20	6.66	11.9	5.55	5.32	.733	5	.386	.122	.201	.186	.302	.653	8.34	10.8	24.8	9.48	9.69	.694
6	.065	*	*	.440	.465	.992	2.11	3.46	10.7	3.72	3.67	.694	6	.386	.101	.201	.102	.147	.658	8.02	11.2	21.7	16.9	3.61	.694
7	.050	*	.250	.320	.320	.440	5.24	2.49	9.48	3.87	2.10	.694	7	.386	.081	.201	.065	2.16	.291	3.72	11.2	11.6	13.3	3.67	.694
8	.050	*	.193	.087	.440	.282	8.57	6.23	6.66	11.7	2.65	.733	8	.386	.081	.186	.050	.325	.363	4.55	12.2	23.8	21.6	3.17	.694
9	.050	*	.111	2.79	.282	.216	4.09	25.1	13.1	16.3	2.57	.658	9	.340	.065	.172	.038	.186	.282	2.18	7.93	24.8	13.8	2.73	.622
10	.038	*	.073	.500	.216	.397	2.90	6.70	6.66	13.4	2.34	.622	10	.340	.050	.942	.021	.111	.243	2.34	5.95	20.7	9.55	2.57	.622
11	.038	*	.050	.343	.186	.282	4.00	4.09	7.42	9.28	2.04	.622	11	.340	.050	.942	.018	.191	.300	2.34	4.09	20.2	9.11	2.41	.622
12	.038	*	.038	.397	.866	.309	2.57	2.90	6.09	7.47	1.91	.622	12	.340	.050	.942	.081	.248	.265	1.41	14.9	19.6	9.90	2.26	.622
13	.038	*	.169	.173	.384	.216	2.19	14.0	18.9	5.69	1.84	.622	13	.340	.038	.898	.437	.111	.248	.845	11.4	18.9	18.9	2.19	.622
14	.038	*	.412	.122	.632	.201	2.26	11.0	15.4	3.72	1.71	.588	14	.340	.038	.854	.363	.231	.201	7.69	10.1	15.3	9.69	1.64	.384
15	.028	0	.591	.091	.363	10.5	7.97	6.85	30.0	3.88	1.58	.555	15	.340	.028	.854	.282	.205	.172	4.93	14.2	20.2	9.28	.951	.146
16	.028	0	.343	1.14	.389	5.87	5.28	45.2	18.9	3.36	1.58	.555	16	.340	.028	.854	.231	.248	1.05	2.19	15.0	23.5	7.93	1.59	.146
17	.028	0	.186	.325	.223	11.5	2.90	69.7	139.	5.12	1.07	.555	17	.300	.028	.854	.039	.369	1.60	2.66	34.0	19.0	7.27	1.98	.493
18	.038	0	.123	.266	.340	3.14	12.4	17.8	26.7	4.74	.951	.555	18	.300	.021	.854	.024	.233	1.84	68.5	22.3	25.2	6.54	1.47	.493
19	.038	0	.073	.186	.286	2.19	8.53	13.1	21.0	5.27	1.35	.555	19	.265	.021	.854	.064	.147	1.59	14.7	14.6	22.8	5.96	1.35	.493
20	.028	0	.050	.123	.201	2.04	5.69	13.3	31.9	2.36	1.35	.588	20	.265	.021	.854	.073	.091	1.91	10.8	17.3	20.2	5.41	1.29	.493
21	.028	0	.038	.091	.159	2.51	2.90	11.0	18.6	2.02	1.35	.622	21	.265	.015	0	.044	.073	.897	12.1	18.9	13.3	4.09	.951	.493
22	.028	0	.114	.087	.146	1.53	4.80	24.9	22.4	4.58	1.24	.622	22	.231	.081	0	.028	.044	1.09	10.8	17.0	22.8	2.90	1.35	.622
23	.021	0	3.21	.091	.111	2.22	17.1	17.5	16.0	4.47	1.19	.622	23	.231	.146	0	.024	.039	1.04	31.9	19.2	16.9	3.84	1.29	.622
24	.021	0	.397	.065	.101	1.73	11.8	13.6	14.3	5.91	1.09	.493	24	.202	.362	0	.015	.044	.854	16.1	14.8	22.4	4.66	1.19	.437
25	.015	0	.248	.050	.101	1.53	8.87	13.6	12.1	3.77	1.04	.493	25	.172	.437	0	.320	.028	.733	51.3	22.5	55.2	4.20	1.09	.386
26	*	0	.173	.057	.081	2.11	18.0	34.4	13.1	3.36	1.04	.493	26	.172	.412	0	.437	.028	2.37	14.7	20.7	17.2	5.99	.989	.386
27	*	0	.091	.081	.065	3.32	10.8	18.4	10.5	9.48	1.04	.493	27	.172	.363	.024	.437	.568	1.71	17.8	13.8	13.8	4.43	.898	.386
28	*	0	.057	.265	.183	1.79	7.18	16.1	9.08	6.27	.989	.555	28	.159	.340	.015	.039	.243	1.29	13.6	19.5	9.55	4.09	.813	.386
29	*	=	.033	.362	.147	1.71	14.0	13.1	9.94	13.9	.942	.622	29	.146	=	.493	.050	.363	1.19	9.91	17.8	25.5	4.21	.898	.340
30	*	=	.021	.362	.101	1.29	6.56	9.55	6.30	7.93	.898	.555	30	.081	=	.015	.641	.566	.942	7.93	12.8	22.2	3.84	.854	.340
31	*	=	.081	=	.073	=	4.09	15.3	=	6.09	=	.493	31	.146	=	.146	=	.646	=	24.8	18.1	=	4.09	=	.340
MOY	*	*	*	.349	.404	1.99	6.50	14.5	19.1	6.49	2.42	.623	MOY	.291	.125	.399	.169	.320	.895	11.8	15.2	22.7	9.01	2.21	.536
DEBIT MINI	0.0				DATE IERE OBSERVATION 15 FEV								DEBIT MINI	0.0				DATE IERE OBSERVATION 21 MAR							
DEBIT MAXI	139.				DATE IERE OBSERVATION 17 SEP								DEBIT MAXI	66.5				DATE IERE OBSERVATION 18 JUL							
DEBIT MOYEN ANNUEL 5.33 M3/S												DEBIT MOYEN ANNUEL 5.33 M3/S													

GENERALITES :

- Superficie du bassin versant : 417 km²
- Coordonnées de la station : 9°38'N - 0°57'E
- Cote du zéro de l'échelle : 190 (IGN) environ
- Amplitude de l'échelle : 0 à 11,0 m
- Accès : Pont métallique sur
l'ancienne route
LAMA-KARA-KANTE
- Date de création : 12.12.1961
- Cadence des relevés : 1 relevé par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 67
- Maximum jaugé : H = 2.70 m
Q = 146 m³/s
Date = 7.9.71
- Nombre de tarages utilisés pour la
période 71-79 : 1
- Dernière courbe d'étalonnage utilisée :
. valide du 2.10.65 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,18	0.0	0.0	0.0
0,18 A 0,30	2.4048	0.0031	0.0
0,30 A 0,50	10.167	0.6417	0.0350
0,50 A 0,80	27.333	5.5667	0.570
0,80 A 1,90	25.515	22.842	4.70
1,90 A 3,10	27.361	79.083	60.7
3,10 A 4,60	1.6667	136.83	195

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1962	/	.	.	.	/	/
1963	*	*	*	*	/
1964	/
1965	.	/
1966	/	/	/
1967	/	/	.	/
1968	/
1969	/	.	.	/	.	.	.	/	.	/	.	.
1970	/
1971	.	.	.	/	/	/	/
1972
1973	/	/	.	/	/
1974	/
1975	.	.	.	/	.	.	.	/
1976	/	.	.	/
1977	/	/	/	.	/	/	*
1978	/	/	.	.	/	/	/	/
1979	*	/	/	.	/	/	.	.

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

- SYMBOLES UTILISES :

- * signifie : pas de relevé
 . + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

- La station est très stable même en basses eaux et la traduction hauteur-débit est très précise pour les basses et moyennes eaux.
- Nous avons dû extrapoler fortement la courbe d'étalonnage. Les débits supérieurs à 170 m³/s donnés dans ces annales sont assez incertains.
- La cadence des relevés est insuffisante compte tenu de la rapidité des crues à cette station. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire, des débits donnés dans ces annales pour l'étude des crues et des modules.

	STATION NUMERO 47278103											
	TOGO			VOLTA			KPELOU			KPESSIDE I		
	ANNEE 1971											
	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.024	.006	.004	11.3	.024	.480	1.29	68.9	8.70	10.3	.570	*
2	.024	.006	.004	.360	.020	1.40	.762	33.2	6.69	6.42	.570	*
3	.024	.006	.004	.360	.016	.570	.762	30.3	5.41	10.3	.570	*
4	.020	.006	.004	.229	2.31	.360	.570	17.9	10.3	10.3	*	*
5	.020	.006	.004	.175	.570	.762	1.29	15.4	5.91	13.8	*	*
6	.020	.004	.004	.110	.324	.836	.836	13.8	13.8	9.32	*	*
7	.020	.004	.004	.063	.201	.438	.570	20.1	16.2	17.9	*	*
8	.016	.004	.006	.052	.130	.290	.917	31.5	41.2	9.32	*	*
9	.016	.004	.004	.042	.324	.360	1.40	12.7	29.8	6.42	*	*
10	.016	.004	.004	.042	.570	.290	289.	10.3	21.1	5.41	*	*
11	.016	.004	.004	.035	.524	.762	36.2	20.1	167.	5.41	*	*
12	.012	.004	.004	.063	.229	2.78	17.9	14.6	48.0	4.27	*	*
13	.012	.020	.004	.151	.110	1.29	15.8	13.5	27.6	4.70	*	*
14	.012	.004	.002	.570	.093	1.29	14.6	53.1	24.0	9.32	*	*
15	.012	.004	.002	.290	.063	1.09	15.8	24.0	19.2	*	*	*
16	.012	.004	.002	.130	.042	.836	33.2	16.2	41.9	*	*	*
17	.012	.004	.002	.175	.029	.570	30.3	118.	77.6	*	*	*
18	.012	.004	.002	.438	.077	.258	17.9	27.6	26.5	3.12	*	*
19	.009	.006	.002	.110	.029	.360	14.2	27.1	17.5	2.61	*	*
20	.009	.006	.002	.762	.029	1.00	39.3	118.	20.1	2.02	*	*
21	.009	.006	.001	.360	.201	.570	250.	36.2	12.4	2.16	*	*
22	.009	.006	.001	.110	.524	.570	28.7	27.1	10.3	1.89	*	*
23	.009	.004	.001	.042	.229	.360	17.5	52.3	16.6	1.76	*	*
24	.009	.004	.001	.077	.093	3.30	13.1	14.2	12.4	1.63	*	*
25	.009	.004	.001	.052	.077	3.12	10.3	15.4	10.3	1.51	*	*
26	.009	.004	.001	.035	.077	1.40	7.24	19.7	13.8	1.29	*	*
27	.009	.004	.001	*	.042	15.4	8.10	19.2	19.7	1.19	*	*
28	.009	.004	.001	.024	.035	3.30	6.69	12.4	8.70	1.00	*	*
29	.006	=	4.07	.024	.052	2.16	4.27	15.4	15.8	.917	*	.016
30	.006	=	1.89	.024	.692	.570	17.5	13.8	8.10	.762	*	.016
31	.006	=	.628	=	.570	=	49.4	8.70	=	.762	=	.016
MOY	.013	.005	.215	*	.268	1.56	30.5	29.7	25.2	*	*	*
					DEBIT MINI	0.001		DATE 1ERE OBSERVATION		21 MAR		
					DEBIT MAXI	289.		DATE 1ERE OBSERVATION		10 JUL		

TOGC VGLTA KPELOU KPESSIDE I
 STATION NUMERO 47278103
 ANNEE 1972

TOGO VCLTA KPELOU KPESSIDE I
 STATION NUMERO 47278103
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.016	.006	.001	.001	.009	1.76	2.61	12.0	15.4	1.76	2.46	.175
2	.016	.006	.001	.001	.009	1.40	1.89	8.40	42.6	6.69	2.31	.175
3	.016	.006	.001	.006	.009	.917	3.67	8.70	20.1	6.16	2.02	.151
4	.016	.004	.000	.004	.009	.692	2.78	8.70	39.9	4.70	1.63	.151
5	.016	.004	.000	.002	.009	11.7	2.31	129.	19.2	7.24	1.40	.151
6	.016	.004	.000	.570	.012	6.42	2.02	19.2	13.5	7.24	1.40	.130
7	.012	.004	.000	.035	.016	3.12	2.78	13.5	11.7	5.41	1.29	.130
8	.012	.004	.000	.004	.024	1.51	10.3	12.0	64.7	8.70	1.09	.130
9	.012	.002	.000	.020	.024	1.19	86.9	7.81	20.1	6.42	1.00	.110
10	.012	.002	.000	.012	.020	.836	15.4	8.10	34.4	7.81	.917	.110
11	.009	.002	.000	.009	.016	.628	5.91	6.69	45.9	34.4	.836	.093
12	.009	.002	.000	.009	.016	4.48	4.70	25.0	30.3	20.1	.762	.077
13	.009	.002	.000	.006	.016	3.67	10.3	20.1	35.0	39.3	.692	.077
14	.009	.001	.000	.009	.016	2.78	8.70	7.81	27.6	20.1	.628	.063
15	.009	.001	.006	.006	.016	2.31	7.24	6.42	15.8	10.3	.628	.052
16	.009	.001	.004	.006	.093	1.89	6.42	7.81	13.1	17.9	.570	.052
17	.009	.001	.002	.004	4.70	1.40	5.41	7.81	8.70	17.9	.524	.052
18	.009	.000	.024	.004	.836	1.00	11.7	6.16	7.52	12.0	.480	.052
19	.009	.000	.016	.002	4.70	1.40	13.8	22.5	6.69	10.3	.438	.052
20	.009	.000	.012	.016	.628	.762	10.3	13.5	7.81	9.01	.398	.052
21	.009	.000	.004	.009	.360	.628	9.01	8.70	5.17	17.9	.360	.052
22	.009	.000	.002	.009	.324	.570	12.7	35.0	4.07	15.8	.324	.052
23	.009	.000	.001	.012	.225	.570	8.70	20.1	2.78	11.3	.290	.052
24	.009	.000	.001	.009	.570	.628	15.8	22.5	3.30	10.3	.258	.042
25	.009	.000	.001	.009	.438	.480	9.96	13.1	2.94	10.3	.258	.042
26	.009	.000	.001	.006	.692	.917	7.81	44.6	5.17	6.42	.229	.917
27	.009	.001	.001	.009	.480	.692	4.70	15.8	2.94	5.41	.201	.360
28	.009	.001	.001	.012	.398	.570	34.4	10.3	3.48	4.70	.201	.360
29	.009	.001	.006	.012	2.31	.570	25.0	33.2	2.61	3.67	.201	.360
30	.006	=	.002	.009	4.07	2.31	10.3	19.7	2.31	3.12	.175	.324
31	.006	=	.001	=	1.40	=	82.2	15.0	=	2.78	=	.290
MOY	.010	.002	.003	.027	.724	1.92	14.1	19.0	17.2	11.1	.799	.158

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.290	.012	.001	0	0	.201	1.76	12.0	10.3	10.3	1.40	.052
2	.258	*	.001	0	0	.151	1.09	10.3	9.01	77.6	2.02	.052
3	.258	.006	.001	0	0	.360	10.3	4.48	8.40	39.3	1.29	.042
4	.201	.006	.001	0	0	.201	4.07	7.81	17.9	25.0	1.09	.063
5	.201	.006	.001	0	0	.360	1.63	10.3	39.3	18.8	.917	.052
6	.110	.004	.001	0	0	.201	14.2	19.2	20.1	16.6	.762	.035
7	.077	.004	.000	0	*	.570	3.87	9.64	17.9	17.5	.570	.035
8	.063	.004	.000	0	.004	.480	6.96	3.67	13.8	15.8	.480	.035
9	.063	.004	.001	0	.006	.438	2.02	5.64	10.3	12.7	.438	.035
10	.052	.004	.001	0	.002	.324	.836	181.	33.2	9.64	.398	.035
11	.042	.004	.001	0	*	.201	.570	33.2	236.	7.24	.398	.035
12	.035	.004	.001	0	.002	.917	1.89	20.6	45.2	5.91	.360	.035
13	*	.004	.000	0	.524	.570	1.40	32.0	20.1	4.70	.360	.029
14	.024	.004	.000	0	.201	.692	1.19	17.9	10.3	3.67	.324	.029
15	.024	.002	.000	0	1.40	.480	.917	17.5	20.1	2.94	.258	.029
16	.024	.004	0	0	.290	.360	.762	10.3	17.9	2.61	.229	.029
17	.024	.004	0	0	.151	.201	.628	109.	16.2	2.16	.201	.029
18	.024	.004	0	0	.052	.151	.570	33.2	13.1	3.30	.175	.029
19	.024	.002	0	0	.035	.480	.570	15.0	10.3	2.61	.151	.029
20	.020	.002	0	0	.020	1.76	.438	17.5	10.3	2.16	.130	.029
21	.020	.002	0	0	.063	.692	.398	10.3	7.24	1.89	.110	.029
22	.020	.002	0	0	.052	.570	.324	8.70	4.70	1.63	.093	.029
23	.020	.002	0	0	.042	1.19	.290	10.3	3.48	1.40	.063	.024
24	.016	.002	0	0	.151	.324	.258	24.0	27.6	2.02	.052	.024
25	.016	.002	0	0	.077	.570	.201	17.9	21.5	1.40	.042	.020
26	.016	.001	.000	0	.042	.480	.151	23.5	15.8	1.40	.151	.020
27	.016	.001	0	*	.035	1.63	.130	19.2	36.2	1.40	.110	.020
28	.016	.001	0	.004	.029	.438	.324	13.8	86.9	1.29	.077	.020
29	.012	=	.000	.001	.020	1.40	5.41	8.10	37.4	1.29	.063	.016
30	.012	=	.000	0	.063	.692	1.63	6.69	17.9	1.19	.063	.016
31	.012	=	.000	=	.290	=	1.09	5.65	=	1.09	=	.016
MOY	*	*	.000	*	*	.569	2.13	23.3	28.0	9.57	.426	.031

DEBIT MINI 0.000 DATE IERE OBSERVATION 18 FEV

DEBIT MINI 0.0 DATE IERE OBSERVATION 16 MAR

DEBIT MAXI 129. DATE IERE OBSERVATION 5 AOU

DEBIT MAXI 236. DATE IERE OBSERVATION 11 SEP

DEBIT MOYEN ANNUEL 5.45 M3/S

TOGO												KPELOU											
VOLTAGE												KPESSIDE 1											
ANNEE 1974												STATION NUMERO 47278103											
DEBITS MOYENS JOURNALIERS EN M3/S																							
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC												
1	.016	.004	.000	0	.201	.024	42.6	60.7	15.8	32.0	24.0	*											
2	.016	.004	.000	0	.077	.020	5.91	32.0	10.3	25.0	17.9	*											
3	.016	.004	.000	0	.035	20.1	3.67	12.7	25.0	17.9	10.3	*											
4	.016	.006	0	0	.020	.438	1.19	27.6	17.9	66.4	6.96	*											
5	.012	.006	0	0	.009	24.5	1.89	16.6	14.2	40.6	4.27	*											
6	.012	.006	0	0	.029	6.42	13.8	13.8	82.2	22.5	3.12	*											
7	.012	.006	0	0	.024	2.78	1.63	7.81	49.4	16.2	4.70	*											
8	.012	.006	0	0	.020	1.40	1.29	5.65	40.6	9.01	3.67	*											
9	.012	.006	0	0	.016	.480	.836	4.70	53.1	6.69	3.12	*											
10	.012	.006	0	0	.093	.201	20.1	2.46	45.9	4.70	2.46	*											
11	.012	.006	0	0	.110	.151	3.67	4.07	181.	3.67	1.89	*											
12	.007	.006	.002	.000	.063	.093	3.67	1.63	45.6	1.76	1.19	*											
13	.009	.006	.001	.000	.762	.052	7.52	20.1	27.6	3.12	.917	*											
14	.009	.006	.000	.000	.438	.042	4.70	13.8	24.1	5.41	.762	*											
15	.009	.006	.000	.002	.290	.029	1.89	10.3	15.8	3.87	.692	*											
16	.009	.006	0	.001	.201	.024	7.24	68.9	14.2	1.63	.628	*											
17	.009	.006	0	.001	.093	.020	4.27	54.5	12.4	1.19	.628	*											
18	.006	.006	0	.004	.052	.570	1.40	29.2	93.7	3.30	.570	*											
19	.006	.004	0	.004	.042	.480	22.5	17.9	50.1	2.31	.570	*											
20	.006	.004	0	.009	.024	.324	7.81	10.3	34.4	7.81	.524	*											
21	.006	.004	0	.006	.012	.175	14.6	12.7	27.6	4.48	.480	*											
22	.006	.002	0	.004	.009	.093	13.8	10.3	18.4	1.89	.438	*											
23	.006	.002	0	.002	.006	.360	15.8	5.17	56.8	18.8	.398	*											
24	.006	.001	0	.001	.004	1.40	6.42	2.16	28.1	15.8	.398	*											
25	.006	.001	0	.000	.717	.692	12.0	51.6	84.0	10.3	.360	*											
26	.006	.000	0	0	.360	.360	7.24	23.5	30.3	5.91	.360	*											
27	.006	.000	0	0	.258	.290	4.93	82.2	18.8	4.70	.324	*											
28	.006	.000	0	0	.175	.229	2.46	56.8	14.2	3.48	.324	*											
29	.006	=	0	.570	.093	.130	.717	36.2	148.	2.78	.290	*											
30	.006	=	0	.360	.052	.093	.570	17.9	110.	6.69	.290	*											
31	.006	=	0	=	.029	=	154.	25.0	=	4.07	=	.016											
MOY	.009	.004	.000	.032	.146	2.07	12.6	23.8	46.3	11.4	3.08	*											
	DEBIT MIN)			0.0	DATE IERE OBSERVATION							4 MAR											
	DEBIT MAXI			181.	DATE IERE OBSERVATION							11 SEP											

TOGO												KPELOU											
VOLTAGE												KPESSIDE 1											
ANNEE 1975												STATION NUMERO 47278103											
DEBITS MOYENS JOURNALIERS EN M3/S																							
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC												
1	.052	.024	.009	1.40	.201	1.19	1.19	*	1.09	44.6	1.09	.438											
2	.052	.024	.009	.570	.151	.917	2.31	*	.917	38.7	1.00	.398											
3	.052	.024	.006	.398	.130	.762	1.40	*	.762	33.2	.917	.398											
4	.042	.024	.006	.201	.093	.570	1.09	2.78	105.	27.6	.762	.360											
5	.042	.024	.006	.093	1.09	.438	.762	9.32	41.2	23.5	.692	.360											
6	.042	.029	.006	.063	1.00	.360	5.65	167.	36.2	19.2	.570	.324											
7	.042	.029	.004	.052	.836	.293	3.87	39.3	27.6	16.6	.570	.324											
8	.042	.029	.004	.042	.692	.201	7.24	26.5	7.81	9.64	.570	.290											
9	.035	.029	.004	.035	.524	.130	10.3	17.1	4.48	7.24	.524	.258											
10	.035	.063	.004	.035	.480	1.76	5.91	13.1	12.0	6.69	.524	.258											
11	.035	.052	.004	.029	.398	1.00	2.78	30.3	36.2	5.91	.524	.229											
12	.029	.042	.004	.024	.360	.570	157.	60.7	20.1	5.17	.524	.201											
13	.029	.042	.002	.024	2.16	2.31	50.1	43.2	35.6	4.70	.480	.175											
14	.029	.042	.002	.024	1.89	1.76	34.4	31.5	26.5	4.07	.480	.175											
15	.029	.035	.002	.024	1.76	1.40	12.7	148.	29.2	3.48	.438	.151											
16	.029	.035	.006	.020	1.51	1.09	8.10	68.9	17.9	7.24	.438	.110											
17	.029	.029	.006	.020	1.09	3.67	25.0	18.8	45.9	6.42	.438	.110											
18	.029	.029	.006	2.16	.917	2.78	18.8	16.2	33.2	5.91	.438	.093											
19	.029	.029	.004	1.40	.836	2.16	16.6	13.5	21.5	5.17	.524	.077											
20	.029	.024	.004	*	.692	1.76	12.4	10.3	16.2	5.91	.480	.077											
21	.029	.020	.006	*	.570	1.40	6.69	8.70	34.4	5.41	.438	.063											
22	.029	.016	.006	.258	.438	1.00	125.	7.24	24.0	4.70	.438	.063											
23	.024	.016	.006	1.19	.398	.836	49.4	4.48	20.1	4.07	.398	.052											
24	.024	.012	.006	.570	.324	.692	34.4	120.	36.2	3.67	.360	.042											
25	.024	.012	.006	.438	.258	.570	24.0	56.8	15.8	3.12	1.00	.035											
26	.024	.009	.006	.290	.201	.570	13.8	45.9	11.7	2.78	.762	.029											
27	.024	.009	.006	.175	.175	.480	9.64	27.6	45.9	2.31	.570	.029											
28	.024	.009	.006	2.31	.110	3.12	4.70	10.3	32.0	2.02	.524	.024											
29	.024	=	.006	.570	.077	2.46	3.12	7.24	18.8	1.76	.480	.020											
30	.024	=	.360	.258	3.12	2.02	1.76	3.67	49.4	1.51	.438	.016											
31	.020	=	.229	=	1.40	=	3.67	1.63	=	1.19	=	.012											
MOY	.033	.027	.024	*	.770	1.27	21.1	*	26.9	10.1	.580	.168											
	DEBIT MIN)			0.002	DATE IERE DESERVATION							13 MAR											
	DEBIT MAXI			167.	DATE IERE DESERVATION							6 AOU											

TOGO												TUGC													
VOLTA				KPELOU				KPESSIDE I				VOLTA				KPELOU				KPESSIDE I					
STATION NUMERO 47278103												STATION NUMERO 47278103													
ANNEE 1976												ANNEE 1977													
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.012	.012	.004	.000	.201	17.9	2.02	17.9	5.17	6.42	4.70	.570	1	.130	.020	.001	.000	.020	.290	.324	8.70	5.17	14.2	.628	*
2	.009	.009	.004	.000	.151	5.91	1.76	12.7	4.07	10.3	4.07	.524	2	.130	.020	.001	.000	.016	.229	.398	3.67	4.07	15.0	.629	*
3	.009	.006	.004	.000	.093	1.40	1.51	34.4	3.12	8.70	3.67	.570	3	.130	.016	.001	.000	.016	.151	.324	1.76	2.94	*	.570	*
4	.009	.006	.002	.000	.570	.480	1.40	24.0	2.46	25.0	3.30	.524	4	.110	.012	.000	.000	.012	.570	.480	2.46	4.07	*	.480	*
5	.009	.004	.002	0	.438	.201	2.31	18.8	1.89	18.8	2.78	.524	5	.110	.012	.000	.000	.012	.438	.360	2.02	27.6	5.65	.438	*
6	.009	.004	.002	0	.250	.438	4.27	154.	17.9	15.4	2.31	.480	6	.110	.012	.000	.000	.009	.324	.250	1.29	12.0	4.70	.398	*
7	.009	.024	.009	0	.201	.524	2.78	62.3	14.6	12.4	1.89	.480	7	.110	.005	.000	.000	.006	.259	*	1.00	13.8	4.07	.398	*
8	.006	.020	.006	0	.628	1.40	4.27	39.9	11.7	7.24	1.40	.398	8	.110	.005	.000	.000	.006	.201	.258	5.91	11.0	3.12	.360	*
9	.006	.016	.004	.001	.398	5.17	3.12	86.9	8.10	5.41	1.19	.360	9	.110	.006	.001	.002	.012	.151	1.19	3.12	18.8	2.46	.360	*
10	.006	.012	.004	.001	.201	2.94	2.02	41.2	7.24	4.07	1.09	.290	10	*	.006	.001	.001	.009	.110	2.02	1.76	15.0	3.67	.324	*
11	.006	.012	.002	.001	.110	2.78	118.	25.0	6.69	3.12	3.12	.290	11	.110	.004	.001	.001	.480	.093	1.40	1.19	18.8	4.27	.290	*
12	.006	.009	.002	.009	.063	1.76	27.6	14.6	5.91	2.78	2.16	.229	12	.110	.004	.001	.000	.692	.360	2.16	*	32.6	3.48	.258	*
13	*	.009	.002	.004	.052	1.09	20.1	11.7	8.10	2.31	1.89	.229	13	.110	.004	.001	.000	.290	.258	1.40	41.2	18.4	2.78	.229	*
14	.063	.009	.001	.002	.035	91.7	56.8	9.64	6.16	13.8	1.51	.201	14	.110	.004	.001	.000	.201	33.2	1.09	20.6	16.6	2.02	.201	*
15	.052	.009	.001	.002	.093	49.4	129.	7.52	9.96	68.9	1.40	.201	15	.110	.002	.001	.000	.151	7.24	.836	11.3	35.0	1.76	.201	*
16	.042	.006	.001	.001	.077	28.7	21.1	9.01	7.24	25.0	1.19	.175	16	.110	.002	.001	.000	.110	3.12	.692	9.01	67.2	1.63	.175	*
17	.042	.006	.001	.001	.052	22.5	17.1	8.10	5.65	20.6	1.00	.175	17	.093	.001	.001	.000	.063	2.31	.628	13.8	26.5	1.76	.175	*
18	.035	.006	.000	.001	.175	17.1	13.8	7.24	4.70	16.6	.692	.151	18	.063	.001	.001	.000	.042	2.16	.628	6.42	17.1	1.09	.151	*
19	.035	.006	.000	.001	.201	10.3	12.4	25.0	5.91	17.9	.692	.151	19	.052	.001	.001	.000	.052	2.46	.570	7.81	27.1	.570	.130	*
20	.035	.020	.000	.020	.175	10.3	15.8	20.1	5.17	18.8	.836	.130	20	.042	.001	.001	.020	.063	1.63	.524	5.65	24.0	6.42	.130	*
21	.035	.020	0	.016	.151	9.70	13.5	28.1	8.40	15.8	.692	.130	21	.042	.002	.001	.006	.035	1.00	.438	82.4	19.7	4.27	.110	*
22	.029	.020	0	.009	.258	6.96	8.70	17.9	9.64	10.3	1.09	.110	22	.042	.002	.001	.004	.151	.836	.398	54.5	15.8	2.02	.110	*
23	.029	.016	.002	.006	.201	4.70	6.42	14.6	17.1	8.10	.917	.110	23	.035	.001	.001	.002	.130	.692	.360	10.3	11.0	1.40	.093	*
24	.029	.016	.002	.004	.130	3.67	22.5	12.0	10.3	14.6	.836	.110	24	.035	.001	.001	.001	.201	.570	.324	15.8	8.70	1.00	*	*
25	.029	.020	.001	.002	.052	2.61	17.5	9.01	9.01	10.3	.836	.201	25	.029	.001	.001	.001	1.40	.692	15.8	7.81	6.96	.692	*	*
26	.024	.016	.001	.042	.063	2.31	13.8	5.41	18.8	9.01	.762	.175	26	.029	.001	.001	.001	.692	.570	26.5	26.5	5.17	.570	*	*
27	.024	.009	.001	*	.093	2.02	77.6	4.07	96.7	7.81	.692	.151	27	.029	.001	.001	.001	.570	.524	10.3	10.3	8.40	1.19	*	*
28	.024	.006	.001	.077	.130	3.48	53.1	9.01	44.6	7.24	.692	.151	28	.024	.001	.001	.001	.438	.438	3.12	8.10	25.0	1.00	*	*
29	.024	.004	.001	.077	.063	2.78	41.2	6.42	19.2	6.42	.628	.151	29	.024	=	.001	.035	.250	.438	73.2	5.91	19.2	.836	*	*
30	.016	=	.001	.258	.035	2.31	32.0	4.70	16.2	5.91	.628	.151	30	.024	=	.001	.024	.517	.360	34.4	5.65	16.6	.570	*	*
31	.012	=	.001	=	.024	=	22.5	7.81	=	5.17	=	.130	31	.024	=	.001	=	.438	=	20.1	7.24	=	.570	=	*
MOY	*	.011	.002	*	.176	10.4	24.7	24.2	13.1	13.0	1.62	.265	MOY	*	.006	.001	.000	.244	2.06	*	*	17.8	*	*	*
DEBIT MINI			0.0										DEBIT MINI				0.000								
DEBIT MAXI				154.									DEBIT MAXI				82.4								
DATE IERE OBSERVATION								21 MAR					DATE IERE OBSERVATION												
DATE IERE OBSERVATION								6 AOU					DATE IERE OBSERVATION												

STATION NUMERO 47278103												STATION NUMERO 47278103													
ANNEE 1978						ANNEE 1979																			
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	*	.016	.020	.570	.290	1.40	4.27	8.10	33.2	3.87	12.0	.692	1	*	*	.001	.020	.006	.570	.570	21.1	56.8	12.0	5.41	.480
2	*	.016	.016	.438	.201	*	3.12	7.24	49.4	3.48	10.3	.628	2	*	*	.001	.020	.004	.360	.480	10.3	33.2	*	3.12	.480
3	*	.016	.016	.324	.151	.836	2.31	5.41	25.0	4.27	17.5	.570	3	*	*	.001	.035	.009	.290	1.00	9.64	24.0	11.0	13.1	.438
4	*	.016	.016	.229	2.78	.570	5.91	4.70	18.8	3.87	*	*	4	*	*	.000	.029	.006	.229	.762	10.3	96.7	10.3	9.32	.398
5	*	.016	.016	.175	1.63	.480	2.31	3.67	26.0	3.30	*	*	5	*	*	.000	.029	.004	.201	1.19	9.01	43.9	8.70	7.24	.360
6	*	.012	.016	.110	1.09	18.8	2.78	3.12	22.5	2.78	11.7	*	6	*	*	.000	.024	.004	.175	1.00	10.3	18.4	7.24	5.17	.324
7	*	.012	.016	.093	.836	9.32	7.24	2.78	18.8	5.17	10.3	*	7	*	*	.000	.024	.004	.917	.836	8.40	77.6	6.42	4.70	.290
8	*	.016	.024	.363	.692	7.24	5.41	7.52	14.6	4.27	8.40	*	8	*	.012	0	.024	.006	.570	.570	5.65	47.3	8.10	3.87	.290
9	*	.016	.024	.052	.524	5.91	3.67	25.0	15.8	7.24	7.24	*	9	*	.012	*	.020	.024	.398	1.63	4.70	24.0	6.69	2.78	.290
10	*	.016	.020	.035	.438	5.17	8.70	10.3	13.1	22.5	5.91	*	10	*	.012	.012	.020	.016	1.40	2.61	2.31	17.9	5.91	2.02	.290
11	*	.016	.020	.024	.360	3.87	43.2	7.81	10.3	18.8	5.17	*	11	*	.012	.012	.016	.012	.917	2.02	1.76	13.5	6.96	1.63	.258
12	*	.016	.020	.570	.201	8.70	17.9	67.2	9.32	14.6	4.27	*	12	*	.009	.012	.012	.258	.692	1.40	1.09	10.3	10.3	1.40	.258
13	*	.012	.020	.229	.130	4.93	12.0	36.2	24.0	25.0	3.87	*	13	*	.009	.012	.006	.151	.917	6.42	.570	.917	8.70	1.19	.229
14	*	.012	.020	.175	.917	4.27	10.3	17.9	15.0	17.1	3.30	*	14	*	.009	.012	.004	.110	.570	24.0	3.12	36.2	7.81	1.00	.229
15	*	.012	.020	.151	.692	6.69	401.	12.0	12.7	*	2.94	*	15	*	.009	.009	.004	.093	.398	10.3	10.3	17.9	6.69	.762	.201
16	*	.012	.020	.110	7.24	25.0	96.7	36.2	*	4.70	2.78	*	16	*	.006	.016	.002	.063	.480	14.6	58.4	36.2	6.16	1.63	.201
17	*	.020	.020	.110	4.27	120.	29.8	21.5	*	7.24	2.61	*	17	*	.006	.024	.004	.077	.570	26.5	13.8	20.1	6.16	1.29	.201
18	*	.020	.020	.093	4.07	49.4	38.0	12.9	*	5.91	2.31	*	18	*	.004	.024	.002	.063	1.63	49.4	54.5	12.7	5.65	1.09	.175
19	*	.020	.020	.052	1.76	32.0	45.9	68.9	15.4	4.70	2.02	*	19	*	.004	.020	.004	.042	.917	18.8	44.6	26.0	5.17	.917	.175
20	*	.020	.016	.035	1.09	7.81	24.0	49.4	13.5	8.70	1.89	*	20	*	.004	.020	.004	.258	2.78	13.8	21.1	31.5	4.27	.836	.175
21	*	.020	.016	.324	1.29	17.1	16.6	28.7	11.7	7.24	1.89	*	21	*	.004	.029	.002	.175	1.63	18.4	68.9	27.6	3.67	.762	.175
22	*	.020	.016	.258	1.63	9.01	13.1	65.5	10.3	5.65	1.76	*	22	*	.004	.024	.004	.130	.917	15.8	33.2	154.	3.12	.692	.151
23	*	.020	.016	.360	.917	7.24	58.4	13.8	14.2	4.70	1.63	*	23	*	.004	.024	.004	.063	.570	18.8	25.0	39.3	4.48	.692	.151
24	*	.020	.016	.258	1.40	20.1	32.0	24.0	12.0	3.30	1.51	*	24	*	.004	.024	.004	.052	.570	16.6	17.9	30.3	4.07	.692	.151
25	*	.020	.016	.201	5.65	13.8	23.5	118.	10.3	2.46	1.40	*	25	*	.002	.029	.004	.035	.570	13.8	15.4	53.1	3.67	.628	.130
26	*	.020	.480	1.63	3.67	7.81	45.9	86.9	14.6	1.89	1.29	*	26	*	.002	.029	.004	.052	1.00	34.4	53.1	28.7	3.30	.628	.110
27	*	.020	.360	.917	2.16	17.1	21.5	64.7	10.3	33.2	1.09	*	27	*	.001	.024	.004	.052	1.63	20.1	26.5	16.2	2.78	.570	.110
28	.020	.020	.201	.692	2.78	10.3	13.5	28.7	7.52	10.3	1.00	*	28	*	.001	.024	.004	.093	1.19	13.8	34.4	15.4	2.46	.570	.110
29	.020	=	.175	.570	1.89	8.10	12.0	17.9	6.42	14.6	.917	*	29	*	=	.024	.004	.570	.836	9.32	24.0	25.0	2.16	.524	.093
30	.020	=	.151	.438	1.40	5.17	10.3	53.1	4.27	17.9	.762	*	30	*	=	.024	.004	.290	.692	7.81	17.9	17.9	10.3	.524	.093
31	.020	=	.110	=	1.00	=	9.01	33.2	=	13.8	=	*	31	*	=	.024	=	*	=	45.9	13.8	=	8.40	=	.093
MOY	*	.017	.062	.310	1.71	*	32.9	34.2	*	*	*	*	MOY	*	*	*	.011	*	.820	12.7	20.4	35.1	*	2.49	.229
DEBIT MINI			0.012								6 FEV		DEBIT MINI			0.0								8 MAR	
DEBIT MAXI			401.								15 JUL		DEBIT MAXI			154.								22 SEP	

GENERALITES :

- Superficie du bassin versant : 190 km²
- Coordonnées de la station : 10°32'N - 0°19'E
- Cote du zéro de l'échelle : 145 (IGN) environ
- Amplitude de l'échelle : 0 à 5 m
- Accès : Pont de la route
MANGO-DAPAONG
- Date de création : 15.01.1962
- Cadence des relevés : 3 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 81
- Maximum jaugé : H = 3.48 m
Q = 22.5 m³/s
Date = 30.8.1963
- Nombre de tarages utilisés pour la
période 71-79 : 7
- Dernière courbe d'étalonnage utilisée :
. valide du 13.9.79 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,00 A 0,14	0.0	0.0	0.0
0,14 A 0,60	1.3127	0.0048	0.0
0,60 A 1,20	2.0000	1.2500	0.2800
1,20 A 2,20	1.0417	3.7083	1.7500
2,20 A 3,80	3.6719	5.9375	6.5000

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1962	/	*	*	*	*	/	/
1963	.	.	/	.	/	/	/	/
1964	.	/	.	/	/	/
1965	.	*	*	*	*	*	*	*	*	*	*	/
1966	/	/	*	/	.	.	/
1967	.	.	*	*	*	*	*
1968	/	*	*	*	*	*
1969	*	*	.	/	*	*	/	/
1970	.	/	*	/	/	*	/	.	/	*	*	/
1971	/
1972
1973	.	.	.	*	*	/
1974	.	/	/
1975
1976	.	.	.	/
1977	/	/
1978	/
1979	/

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TJGG VJLTA LAKTAON BARKOISSI
STATION NUMERO 47278403
ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
- . + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

- La station est instable en basses eaux - Un seul jaugeage a été effectué entre le 2.9.71 et le 15.6.76. Les débits de basses eaux donnés dans ces annales pour cette période sont donc assez incertains.
- La cadence des relevés est insuffisante.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	ACU	SEP	OCT	NOV	DEC
1	.113	.093	.037	.029	.005	.037	.017	.219	4.40	1.82	.256	.143
2	.113	.093	.037	.029	.004	.031	.018	.208	3.96	1.72	.243	.160
3	.113	.093	.037	.027	.003	.031	.017	.287	3.50	1.65	.219	.187
4	.113	.093	.037	.025	.003	.029	.017	.455	3.20	1.52	.208	.143
5	.113	.087	.037	.023	.002	.040	.017	.353	3.29	1.42	.197	.151
6	.113	.081	.034	.022	.002	.055	.016	.336	4.45	1.99	.187	.151
7	.113	.075	.034	.021	.001	.047	.016	7.56	9.99	1.71	.187	.160
8	.113	.070	.034	.021	0	.043	.015	7.27	10.3	1.49	.177	.168
9	.113	.060	.034	.020	0	.040	.015	1.75	8.61	1.29	.177	.177
10	.113	.055	.034	.020	0	.037	.014	1.20	6.37	1.24	.160	.160
11	.106	.055	.034	.019	0	.040	.013	1.29	5.93	1.18	.151	.177
12	.106	.051	.034	.019	*	.034	.015	.828	7.18	1.08	.151	.168
13	.106	.051	.031	.018	*	.034	.015	1.54	5.43	1.01	.135	.168
14	.106	.051	.031	.017	*	.031	.017	9.51	4.62	.933	.127	.143
15	.106	.051	.031	.017	*	.029	.017	9.15	5.59	.797	.135	.120
16	.106	.047	.031	.017	*	.027	.017	4.95	5.05	.747	.127	.120
17	.106	.043	.029	.016	*	.025	2.54	3.59	4.57	.681	.127	.120
18	.106	.043	.029	.016	*	.025	.805	3.09	4.25	.626	.120	.120
19	.106	.043	.029	.015	*	.023	.326	5.17	3.68	.635	.120	.120
20	.106	.040	.027	.015	*	.022	.197	19.3	3.73	.566	.060	.120
21	.106	.040	.027	.014	*	.021	.151	13.6	3.25	.525	.060	.120
22	.106	.040	.027	.013	*	.020	.125	11.2	2.91	.485	.060	.120
23	.106	.037	.027	.012	*	.020	.060	4.15	2.83	.441	.060	.120
24	.106	.037	.025	.011	*	.019	.085	3.45	3.09	.395	.060	.120
25	.106	.037	.025	.010	*	.018	.060	9.83	3.09	.365	.060	.120
26	.106	.040	.022	.009	0	.017	.324	26.4	2.83	.347	.060	.120
27	.106	.040	.022	.009	*	.020	.377	21.2	2.53	.299	.060	.120
28	.106	.040	.022	.009	.128	.019	.257	13.0	2.34	.299	.060	.120
29	.106	=	.029	.007	.103	.018	.190	9.44	2.16	.299	.060	.120
30	.099	=	.031	.006	.049	.017	.168	6.02	1.96	.284	.060	.120
31	.099	=	.029	=	.037	=	.280	5.12	=	.280	=	.060
MCY	.108	.057	.030	.017	*	.029	.200	6.50	4.50	.907	.129	.137
DEBIT MINI				0.0								
DEBIT MAXI				26.4								
DATE 1ERE OBSERVATION												
DATE 1ERE OBSERVATION												

TOGO VOLTA LAKTAON BARKCISSI
 STATION NUMERO 47278403
 ANNEE 1972

TOGO VOLTA LAKTAON BARKCISSI
 STATION NUMERO 47278403
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.060	.060	.037	.023	.004	0	0	.390	1.61	3.42	.462	-.047
2	.060	.060	.037	.022	.003	0	0	.817	2.14	3.45	.420	-.047
3	.060	.060	.037	.021	.003	0	0	.502	2.26	3.35	.383	-.042
4	.060	.060	.037	.020	.002	0	0	.321	1.94	2.95	.365	-.037
5	.060	.051	.037	.020	.002	0	0	.252	1.43	2.66	.331	-.037
6	.060	.047	.037	.020	.001	0	0	.456	1.24	2.40	.331	-.086
7	.060	.043	.037	.019	0	0	0	.300	1.02	2.19	.299	-.086
8	.060	.040	.037	.019	0	0	0	.231	1.26	2.25	.284	-.086
9	.060	.040	.037	.017	0	0	0	.208	2.29	1.98	.270	-.074
10	.060	.040	.037	.017	0	0	0	.184	5.44	1.92	.243	-.074
11	.060	.040	.037	.017	0	0	0	.199	7.82	1.73	.231	-.074
12	.060	.040	.037	.016	0	0	0	.160	4.97	1.58	.219	-.068
13	.060	.040	.037	.018	0	0	0	.177	3.45	1.49	.208	-.068
14	.060	.040	.037	.017	0	0	0	.204	3.81	1.33	.208	-.063
15	.060	.040	.060	.017	0	0	0	.239	15.8	1.29	.197	-.063
16	.060	.040	.051	.016	0	0	0	.271	8.01	1.23	.187	-.057
17	.060	.040	.051	.016	0	0	0	.197	5.00	1.12	.177	-.057
18	.060	.040	.051	.014	0	0	0	.187	4.28	1.16	.168	-.057
19	.060	.040	.043	.012	0	0	0	.181	3.75	1.03	.160	-.057
20	.060	.040	.040	.011	0	0	0	.157	3.55	.966	.160	-.057
21	.060	.040	.040	.010	0	0	0	.143	3.50	.917	.152	-.057
22	.060	.040	.037	.009	0	0	0	.168	5.00	.837	.144	-.057
23	.060	.037	.034	.008	0	0	0	2.26	8.92	.777	.136	-.052
24	.060	.037	.034	.007	0	0	0	1.43	6.53	.747	.128	-.052
25	.060	.037	.031	.007	0	0	0	1.96	5.15	.704	.128	-.052
26	.060	.037	.031	.005	0	0	-.092	1.90	5.02	.649	-.057	-.052
27	.060	.037	.029	.007	0	0	.039	3.20	4.30	.622	-.057	-.052
28	.060	.037	.029	.007	0	0	.053	2.08	4.03	.570	-.057	-.047
29	.060	.037	.027	.006	0	0	.047	1.54	3.50	.545	-.052	-.047
30	.060	=	.025	.005	0	0	.050	2.64	3.11	.509	-.052	-.047
31	.060	=	.023	=	0	=	.080	1.98	=	.474	=	-.047
MOY	.060	.043	.037	.014	.001	0	.012	.817	4.34	1.51	-.209	-.058

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.047	.014	0	*	*	*	0	5.74	1.89	1.63	.425	.118
2	.047	.014	0	*	*	*	0	2.92	1.79	1.67	.406	.118
3	.047	.011	0	*	*	*	0	1.94	1.74	1.56	.369	.118
4	.047	.006	0	*	*	*	0	1.62	1.67	1.49	.352	.118
5	.042	.018	0	*	*	*	0	1.62	3.15	1.38	.352	.110
6	.042	.005	0	*	*	0	0	1.94	2.70	1.31	.317	.110
7	.037	.002	0	*	*	*	0	6.02	2.92	1.24	.301	.101
8	.037	.002	0	*	*	.144	0	3.78	6.93	1.21	.272	.101
9	.037	.002	0	*	*	.017	0	2.61	4.83	1.14	.259	.101
10	.033	.002	0	*	*	0	0	4.48	5.07	1.11	.259	.101
11	.033	0	0	*	*	0	0	6.04	5.08	1.05	.246	.101
12	.033	0	0	*	*	0	0	4.42	7.94	1.02	.246	.093
13	.033	0	0	*	*	0	0	4.50	5.67	.960	.234	.093
14	.033	0	0	*	*	0	0	4.13	4.50	.931	.222	.093
15	.033	0	0	*	*	0	0	5.12	3.92	.874	.210	.085
16	.029	0	0	*	*	0	0	3.56	3.70	.819	.210	.085
17	.029	0	0	*	*	0	0	5.46	3.43	.793	.199	.078
18	.029	0	0	*	*	0	0	16.1	3.22	.740	.188	.078
19	.029	0	0	*	*	.005	0	13.0	2.83	.715	.188	.078
20	.029	0	0	*	*	0	0	6.79	2.58	.690	.177	.078
21	.025	0	0	*	*	0	.041	4.83	2.53	.641	.166	-.071
22	.025	0	0	*	*	0	.005	3.92	2.39	.641	.166	-.071
23	.025	0	0	*	*	0	.058	4.41	2.12	.618	.156	-.071
24	.021	0	0	*	*	0	.029	3.54	2.20	.595	.156	-.064
25	.021	0	0	*	*	0	.025	3.28	2.00	.572	.146	-.064
26	.021	0	0	*	*	0	.008	3.11	1.86	.528	.137	-.064
27	.021	0	0	*	*	0	0	2.78	1.73	.506	.137	-.057
28	.021	0	0	*	*	0	5.05	2.68	2.14	.506	.137	-.051
29	.017	=	0	*	*	0	6.60	2.38	1.91	.465	.127	-.051
30	.017	=	0	*	*	0	2.54	2.17	1.75	.465	.127	-.051
31	.014	=	0	=	*	=	1.52	2.00	=	.445	=	-.045
MOY	.031	.002	0	*	*	*	.512	4.44	3.21	.914	.230	-.085

DEBIT MINI C.0 DATE IERE OBSERVATION 7 MAI
 DEBIT MAXI 15.6 DATE IERE OBSERVATION 15 SEP
 DEBIT MOYEN ANNEE C.589 M3/S

DEBIT MINI 0.0 DATE IERE OBSERVATION 11 FEV
 DEBIT MAXI 16.1 DATE IERE OBSERVATION 18 AOU

TOGC VOLTA LAKTAON BARKCISSI
 STATION NUMERO 47278403
 ANNEE 1974

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.045	.001	0	0	0	0	0	.707	26.5	3.60	.902	.199
2	.045	.001	0	C	0	0	0	.652	5.35	3.40	.847	.188
3	.040	.000	0	0	0	0	0	1.42	9.62	3.29	.819	.177
4	.034	.000	0	C	0	0	0	6.73	6.13	3.73	.766	.166
5	.034	.000	0	0	0	0	0	4.89	5.43	3.23	.715	.166
6	.029	.000	0	C	0	0	0	1.77	8.95	2.94	.690	.156
7	.024	*	0	0	0	0	0	1.90	20.1	2.73	.665	.156
8	.020	*	0	C	0	0	0	1.80	8.25	2.53	.618	.146
9	.020	*	0	0	0	0	0	1.62	6.40	2.46	.572	.146
10	.020	*	0	C	0	0	0	1.51	8.29	3.09	.572	.146
11	.018	*	0	0	0	0	0	1.34	6.17	2.86	.550	.137
12	.018	*	0	0	0	0	0	1.06	6.02	2.46	.528	.127
13	.018	*	0	C	0	0	0	.775	10.1	2.30	.506	.118
14	.016	*	0	0	0	0	0	.758	7.30	2.15	.485	.118
15	.014	*	0	0	0	0	0	1.22	6.24	2.04	.445	.110
16	.013	*	0	C	0	0	0	26.0	11.7	1.93	.445	.110
17	.011	*	0	0	0	0	0	20.1	7.44	1.79	.406	.110
18	.010	*	0	0	0	0	0	9.34	11.0	1.71	.369	.101
19	.010	*	0	C	0	0	0	5.85	8.12	1.47	.352	.101
20	.008	0	0	0	0	0	0	4.44	8.03	1.27	.352	.101
21	.007	0	0	0	0	0	0	4.98	5.35	1.52	.317	.093
22	.006	0	C	C	0	0	.690	3.41	5.75	1.43	.301	.093
23	.006	0	0	0	0	0	.917	4.83	5.10	1.34	.285	.085
24	.005	0	0	0	0	0	.242	3.45	5.20	1.24	.259	.085
25	.004	0	0	0	0	0	.153	2.85	5.61	1.16	.259	.085
26	.003	0	0	C	C	0	.115	3.30	5.88	1.13	.246	.078
27	.003	0	*	0	0	0	1.74	3.30	4.97	1.07	.234	.078
28	.002	0	*	C	0	0	1.20	8.47	4.52	.690	.222	.078
29	.002	=	*	0	C	0	.627	6.75	4.09	.690	.222	.078
30	.002	=	*	0	0	0	.521	7.61	4.03	.917	.210	.071
31	.002	=	*	=	0	=	.963	26.6	=	.888	=	.071
MOY	.016	*	*	0	0	0	.231	5.47	7.92	2.04	.472	.119

DEBIT MINI C.0 DATE IERE OBSERVATION 20 FEV
 DEBIT MAXI 26.6 DATE IERE OBSERVATION 31 AOU

TJGO VOLTA LAKTAON BARKCISSI
 STATION NUMERO 47278403
 ANNEE 1975

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.071	.014	.004	.000	0	.274	.005	2.73	.767	4.81	.890	.270
2	.071	.014	.004	.000	0	.155	.003	2.50	.865	5.12	.841	.256
3	.064	.013	.003	.002	0	.110	.002	2.13	.819	4.21	.793	.242
4	.064	.013	.002	.002	0	.069	.002	1.99	.766	3.64	.747	.242
5	.057	.011	.002	.001	0	.049	.003	1.62	.732	3.51	.724	.228
6	.057	.010	.002	.001	C	.034	.047	1.47	.641	3.60	.680	.228
7	.051	.010	.002	.001	0	.019	.056	1.37	.725	3.98	.658	.215
8	.051	.010	.002	.000	0	.022	.479	1.26	.741	3.59	.616	.215
9	.051	.008	.002	.000	C	.014	.239	1.17	.690	3.28	.575	.202
10	.051	.008	.002	.000	0	.014	.156	1.20	.641	3.01	.575	.202
11	.045	.007	.002	.000	0	.017	.115	1.11	.626	2.79	.536	.189
12	.045	.007	.002	C	0	.029	.257	2.35	2.47	2.63	.517	.189
13	.045	.006	.002	0	0	.011	1.65	1.94	2.13	2.45	.499	.177
14	.040	.005	.002	0	0	.007	2.87	2.16	2.81	2.30	.481	.177
15	.040	.004	.002	C	0	.003	1.95	2.03	1.97	2.14	.463	.165
16	.040	.004	.002	C	0	.002	1.32	1.77	1.62	2.01	.463	.165
17	.034	.004	.001	0	0	.002	1.03	1.49	1.38	1.91	.427	.153
18	.034	.004	.001	0	0	.247	1.18	1.31	1.17	1.80	.427	.153
19	.034	.004	.001	0	0	.105	1.11	1.14	1.03	1.72	.410	.153
20	.029	.004	.001	C	C	.078	.941	1.02	1.04	1.65	.394	.142
21	.029	.004	.001	C	C	.069	.793	.921	2.78	1.61	.377	.142
22	.029	.004	.001	C	0	.078	.950	.838	1.94	1.53	.361	.131
23	.024	.004	.001	C	0	.057	2.10	.740	2.80	1.45	.361	.131
24	.024	.004	.001	C	0	.053	4.44	.732	8.59	1.36	.329	.131
25	.024	.004	.000	C	0	.029	3.26	.657	4.37	1.29	.329	.120
26	.020	.004	.000	C	0	.018	2.35	.602	3.38	1.23	.314	.120
27	.020	.004	.000	C	0	.016	1.83	.542	3.36	1.18	.314	.120
28	.020	.004	.000	C	0	.014	1.68	.506	3.77	1.12	.299	.120
29	.018	=	.000	0	0	.010	5.00	.479	4.26	1.06	.284	.120
30	.018	=	.002	0	3.41	.007	2.97	.465	3.87	.992	.270	.109
31	.016	=	.002	=	1.69	=	2.29	.500	=	.923	=	.109
MOY	.039	.007	.002	.000	.164	.054	1.32	1.31	2.09	2.38	.498	.171

DEBIT MINI C.0 DATE IERE OBSERVATION 12 AVR
 DEBIT MAXI 8.55 DATE IERE OBSERVATION 24 SEP

DEBIT MOYEN ANNEE 0.676 M3/S

TJGD VOLTA LAKTAON BARKCISSI
 STATION NUMERO 47278403
 ANNEE 1976

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.109	.050	.017	.004	0	.020	.084	.019	.992	.299	.831	.126
2	.109	.050	.017	.003	0	.138	.067	.018	.890	.314	.749	.126
3	.109	.050	.017	.003	0	.037	.050	.017	.770	.361	.671	.119
4	.109	.046	.016	.003	0	.025	.046	.017	.658	.361	.634	.119
5	.099	.046	.016	.002	0	.019	.037	.018	.595	.345	.581	.111
6	.099	.046	.016	.002	0	.018	.033	.018	.940	.345	.547	.104
7	.089	.050	.016	.002	0	.017	.029	.021	.817	.314	.514	.104
8	.089	.055	.016	.002	.249	.026	.026	.018	.747	.284	.482	.097
9	.089	.046	.015	.001	.126	.084	.023	.042	.702	.256	.451	.090
10	.079	.046	.015	.001	.047	.080	.021	.561	.637	.242	.421	.090
11	.079	.042	.015	.001	.022	.062	.019	.955	.575	.242	.393	.084
12	.079	.042	.015	.001	.017	.069	.017	.854	.536	.215	.379	.084
13	.079	.038	.014	.001	.015	.095	.017	.587	.517	.202	.352	.077
14	.079	.038	.014	.000	.015	.171	.026	.411	.680	.177	.340	.077
15	.079	.035	.014	.000	.015	.165	.023	.306	.595	.177	.314	.077
16	.070	.035	.012	.000	.015	.126	.155	.587	.595	.165	.302	.071
17	.070	.035	.012	.000	.029	.084	.209	.658	.575	.171	.279	.071
18	.070	.032	.012	.000	.017	.060	.099	.596	.536	.209	.268	.071
19	.070	.032	.012	.000	.015	.044	.067	.546	.481	.209	.257	.066
20	.070	.029	.011	.000	.014	.038	.074	.694	.517	.378	.246	.066
21	.065	.026	.011	.000	.012	.033	.046	1.88	.499	.464	.236	.060
22	.065	.024	.011	.000	.101	.029	.042	1.85	.463	.490	.226	.060
23	.065	.021	.010	0	.055	.035	.037	1.36	.427	.419	.216	.060
24	.065	.021	.009	0	.040	.033	.033	1.07	.394	.361	.196	.055
25	.065	.020	.008	0	.024	.038	.029	.915	.361	.546	.196	.055
26	.060	.018	.008	0	.017	.037	.026	.770	.361	2.03	.177	.050
27	.060	.018	.008	0	.014	.032	.023	.637	.427	1.50	.168	.050
28	.060	.017	.006	0	.013	.037	.024	.660	.394	1.36	.159	.045
29	.060	.017	.006	0	.012	.085	.027	.637	.345	1.22	.142	.045
30	.055	=	.005	0	.012	.080	.024	1.03	.314	1.02	.142	.045
31	.055	=	.004	0	.012	=	.025	1.07	=	.896	=	.040

TJGD VOLTA LAKTAON BARKCISSI
 STATION NUMERO 47278403
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.040	.015	0	0	0	0	0	.666	2.90	.942	.204	*
2	.040	.015	0	0	0	0	0	.451	2.56	1.26	.194	*
3	.040	.013	0	0	0	0	0	.331	2.31	1.26	.174	*
4	.040	.013	0	0	0	0	0	.243	2.21	1.18	.165	*
5	.036	.011	0	0	0	0	.156	.187	2.15	1.05	.155	*
6	.036	.011	0	0	0	0	.016	.157	1.89	.954	.146	*
7	.036	.009	0	0	0	0	.002	.126	1.74	.920	.138	.064
8	.036	.008	0	0	0	0	0	.212	1.91	.854	.129	*
9	.036	.008	0	0	0	0	0	7.22	1.71	.801	.129	*
10	.036	.008	0	0	0	0	0	3.19	1.53	.740	.121	*
11	.036	.006	0	0	0	0	0	2.14	1.38	.702	.113	*
12	.031	.005	0	0	0	0	0	2.96	1.48	.702	.113	*
13	.031	.005	0	0	0	0	0	2.53	1.59	.693	.113	*
14	.031	.004	0	0	0	0	0	2.04	1.74	.647	.105	*
15	.031	.003	0	0	0	0	0	1.59	1.64	.611	.105	*
16	.031	.002	0	0	0	0	0	1.27	1.49	.586	.098	*
17	.027	.001	0	0	0	0	0	1.18	1.35	.537	.098	*
18	.027	.001	0	0	0	0	0	.950	1.30	.499	*	*
19	.027	.001	0	0	0	0	0	1.40	1.24	.484	*	*
20	.024	.001	0	0	0	0	0	2.06	1.26	.463	*	*
21	.024	.001	0	0	0	0	0	2.48	1.15	.427	*	*
22	.024	.001	0	0	0	0	0	2.24	1.05	.405	*	*
23	.024	.000	0	0	0	0	0	2.04	.988	.384	*	*
24	.020	.000	0	0	0	0	0	4.84	.957	.356	*	*
25	.020	.000	0	0	0	0	.162	3.96	.875	.342	*	*
26	.017	.000	0	0	0	0	.062	2.56	.832	.309	*	*
27	.017	0	0	0	0	0	1.33	4.77	.791	.278	*	*
28	.017	0	0	0	0	0	.724	8.76	.973	.260	*	*
29	.017	=	0	0	0	0	.446	4.86	.905	.243	*	*
30	.017	=	0	0	0	0	.970	4.24	.965	.237	*	*
31	.017	=	0	0	0	=	1.03	3.37	=	.220	=	*

MOY .077 .035 .012 * .029 .060 .047 .608 .578 .502 .362 .077

MOY .029 .005 0 0 0 0 .158 2.43 1.50 .623 * *

DEBIT MINI 0.0 DATE IERE OBSERVATION 23 AVR

DEBIT MINI 0.0 DATE IERE OBSERVATION 27 FEV

DEBIT MAXI 2.03 DATE IERE OBSERVATION 26 OCT

DEBIT MAXI 8.76 DATE IERE OBSERVATION 28 AOU

STATION NUMERO 47278403												STATION NUMERO 47278403													
ANNEE 1978												ANNEE 1979													
DEBITS MGYENS JOURNALIERS EN M3/S												DEBITS MGYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	*	0	0	0	0	.010	.125	-.920	2.27	1.25	-.322	.004	1	.020	0	0	0	0	.483	3.30	14.1	4.12	1.23	.268	
2	*	0	0	0	0	.008	.102	-.854	2.08	1.02	-.226	.004	2	.020	0	0	0	0	3.57	.309	2.30	19.9	3.72	1.07	.256
3	*	0	0	0	0	.008	.098	1.73	2.01	.877	.199	.004	3	.020	0	0	0	0	1.38	.248	1.71	12.8	3.54	1.02	.245
4	*	0	0	0	0	.009	.095	2.05	2.12	-.886	.165	-.004	4	.020	0	0	0	0	.178	-.256	1.81	12.5	3.26	.936	.241
5	*	0	0	C	C	0	.086	1.69	1.91	.811	.142	.004	5	.017	0	0	0	0	-.366	-.194	1.77	12.2	3.13	.860	.223
6	*	0	0	0	0	.022	.077	1.48	1.67	.760	.138	.006	6	.017	0	0	0	0	.393	.155	1.58	11.8	3.03	.843	.212
7	*	0	0	0	0	.179	.072	1.19	1.45	.711	.129	-.006	7	.017	0	0	0	0	.208	.155	1.21	19.6	2.78	.756	.212
8	*	0	0	0	0	.099	1.03	1.10	1.25	.692	.117	.006	8	.017	0	0	0	0	.168	-.111	.966	15.0	2.78	.733	-.202
9	*	0	0	0	0	.066	.126	1.41	1.12	.674	.106	.006	9	.017	0	0	0	0	.116	.129	.743	10.0	2.49	.695	.191
10	*	0	0	0	0	.061	.121	1.04	1.06	.656	.095	.006	10	.017	0	0	0	0	-.080	-.108	.770	9.04	2.33	.688	.191
11	*	0	0	0	0	.052	.146	.920	1.11	.611	.092	.004	11	.014	0	0	0	0	.062	-.094	.674	13.5	2.28	.666	.191
12	*	0	0	0	0	.039	.130	1.37	1.01	.578	.092	.004	12	.014	0	0	0	0	.045	.086	.655	18.6	2.12	.603	.191
13	*	0	0	0	0	.033	.231	1.35	.908	.545	.086	.004	13	.014	0	0	0	0	.174	.090	.757	14.1	2.38	.531	-.182
14	*	0	0	0	0	.037	.370	2.19	1.02	.529	.080	.004	14	.014	0	0	0	0	.224	.086	.680	11.6	2.36	.531	-.182
15	*	0	0	0	.049	1.67	-.462	2.11	1.35	.514	.080	.006	15	.012	0	0	0	0	.129	.086	.608	11.7	2.13	.512	-.182
16	*	0	0	0	.068	1.50	.740	1.84	1.53	-.456	.062	.006	16	.012	0	0	0	0	.098	.080	2.71	11.0	1.96	-.488	-.182
17	*	0	0	0	.031	1.30	.801	1.54	1.73	.435	.031	.006	17	.010	0	0	0	0	.074	.182	10.1	10.7	1.87	-.470	-.185
18	*	0	0	0	-.010	1.15	1.27	1.35	1.81	.413	-.028	.008	18	-.008	0	0	0	0	.175	-.125	5.59	8.56	1.81	.420	.191
19	*	0	0	0	.001	1.02	1.14	1.31	1.91	.391	.023	.008	19	-.008	0	0	0	0	.138	.271	16.7	11.9	1.74	.388	*
20	*	0	0	C	.000	.622	-.909	1.83	2.14	.369	.018	-.008	20	-.008	0	0	0	0	.118	-.511	14.7	11.0	1.57	.372	*
21	*	0	0	0	0	.267	.731	2.48	1.95	.362	.017	.008	21	.004	0	0	0	0	.118	.439	10.2	7.73	1.47	.362	*
22	*	0	0	0	0	.199	.702	1.72	1.76	.356	.013	.010	22	.002	0	0	0	0	-.103	-.405	24.5	6.68	1.45	-.362	*
23	*	0	0	0	0	.131	1.74	2.51	1.86	.329	.012	.010	23	.000	0	0	0	0	.248	.372	16.2	6.21	1.43	.362	*
24	*	0	C	0	0	.131	1.40	1.52	1.99	.315	.012	.010	24	-.000	0	0	0	0	.363	1.30	5.37	5.80	1.35	.362	*
25	0	0	0	0	.073	.622	2.31	1.36	1.90	.296	.012	.010	25	0	0	0	0	0	.296	2.19	6.50	5.17	1.31	.347	*
26	0	0	0	0	-.083	.342	2.36	1.31	1.66	.290	.012	.017	26	0	0	0	0	2.23	.260	1.44	7.79	5.00	1.27	.329	*
27	0	0	C	0	.061	.278	2.32	1.09	1.47	-.272	-.010	-.020	27	0	0	0	0	-.366	.215	1.22	6.34	4.50	1.21	.315	*
28	0	0	0	0	.041	.221	1.84	.942	1.37	.231	.006	.020	28	0	0	0	0	.082	.184	.551	5.02	4.22	1.15	.288	*
29	0	=	0	0	.026	.179	1.45	-.913	1.23	.226	.006	.020	29	0	=	0	0	-.082	-.149	.744	4.44	3.69	1.06	.268	*
30	0	=	0	0	.021	.156	1.22	.868	1.25	.215	.006	.020	30	0	=	0	C	-.022	-.113	-.693	10.2	3.31	1.30	-.268	*
31	C	=	0	=	.014	=	1.07	1.31	=	.204	=	.020	31	0	=	0	=	.301	=	2.77	9.42	=	1.30	=	*
MGY	*	0	0	C	-.016	.347	.816	1.46	1.60	-.525	-.078	-.009	MGY	.010	0	0	0	.050	.325	.525	5.80	10.4	2.12	.569	*
DEBIT MINI	0.0			DATE IERE OBSERVATION 25 JAN								DEBIT MINI	0.0			DATE IERE OBSERVATION 25 JAN									
DEBIT MAXI	2.51			DATE IERE OBSERVATION 23 AOU								DEBIT MAXI	24.5			DATE IERE OBSERVATION 22 AOU									

GENERALITES :

- Superficie du bassin versant ----- : 483 km²
- Coordonnées de la station ----- : 1°13'N - 0°43'E
- Cote du zéro de l'échelle ----- : 127 (IGN) environ
- Amplitude de l'échelle ----- : 0 à 6 m
- Accès ----- : Pont de la route
KANTE-MANGO
- Date de création ----- : 12.01.1962
- Cadence des relevés ----- : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 ----- : 64
- Maximum jaugé ----- : H = 5.08 m
Q = 40 m³/s
Date = 10.9.79
- Nombre de tarages utilisés pour la
période 71-79 ----- : 2
- Dernière courbe d'étalonnage utilisée :
. valide du 1.12.71 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,30	0.0	0.0	0.0
0,30 A 0,50	0.5000	0.0	0.0
0,50 A 0,60	4.2000	0.2500	0.0200
0,60 A 0,80	6.3500	1.0950	0.0870
0,80 A 2,00	1.0972	3.2417	0.560
2,00 A 3,40	1.1531	5.7214	6.03
3,40 A 4,20	0.3125	8.1250	16.3
4,20 A 4,80	5.5556	9.0000	23.0
4,80 A 5,30	46.000	13.800	30.4

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1962	/	*	*	*	*	*	/	/	.	.	*	.
1963	/	.	.	/	.	.
1964
1966	/
1967
1968	/	.	/
1969	/	/	/	.	.	/	/
1970	.	/	/	.	.	.	/	/
1971	.	*	.	.	/	/	/	.
1972	.	.	.	/	.	/
1973	/	/	*	/	/	*
1974	/	/	.	*
1975
1976	.	.	/	*	*	/	.	.	.	/	.	.
1977	/	/	/	/	*	/	/	/	/	/	/	/
1978	/	/	/	/	/	/	/	/	/	/	/	/
1979	/

. signifie mois complet

/ signifie mois incomplet

* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

ANNEE 1971

- SYMBLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

- COMMENTAIRES :

- La station est stable même en basses eaux et la
traduction hauteur-débit est précise.

- La cadence des relevés est insuffisante compte tenu
de la rapidité des crues à cette station. Il convient
donc d'être très prudent dans l'utilisation que l'on
pourrait faire, des débits donnés dans ces annales
pour l'étude des crues et des modules.

DEBITS MOYENS JOURNALIERS EN M3/S												
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.004	*	0	.120	0	0	0	4.44	23.9	10.9	.225	.016
2	.004	*	0	.032	0	0	0	3.38	21.7	8.56	*	.016
3	.004	*	0	.01E	0	0	0	3.17	21.0	7.39	*	.016
4	.003	*	0	.011	0	0	0	5.14	19.5	6.68	.642	.016
5	.003	*	0	.007	0	0	0	5.24	29.9	5.98	.467	.014
6	.003	*	0	.00E	0	0	0	4.14	36.5	4.82	.425	.014
7	.002	*	0	.003	0	0	0	7.86	34.8	6.38	.357	.014
8	.002	*	0	.001	0	0	0	6.34	30.0	7.16	.330	.013
9	.002	*	0	.000	0	0	0	4.54	28.4	5.89	.303	.013
10	.002	*	0	0	0	0	0	6.54	26.8	4.31	.290	.013
11	.001	*	0	0	0	0	0	7.47	23.6	3.58	.277	.010
12	.001	*	0	0	0	0	.775	7.68	36.9	3.41	.277	.010
13	.001	*	0	0	0	0	.513	6.51	45.6	2.88	.238	.010
14	.001	*	0	0	0	0	.393	6.22	40.7	2.51	.225	.008
15	0	*	0	0	0	0	.225	7.35	36.0	2.04	.215	.007
16	0	*	0	0	0	0	.200	5.74	29.3	1.83	.179	.007
17	0	*	0	0	0	0	.641	6.84	41.1	1.67	.170	.007
18	0	*	0	0	0	0	2.03	11.9	43.2	1.27	.153	.007
19	0	*	0	0	0	0	1.21	12.0	40.4	2.28	.138	.007
20	0	*	0	0	0	0	.789	20.7	35.0	2.47	.123	.006
21	0	*	0	0	0	0	13.9	21.7	38.7	2.00	.123	.006
22	0	*	0	0	0	0	5.26	33.0	36.5	1.72	.109	.006
23	0	*	0	0	0	0	4.66	35.5	31.2	1.39	.096	.006
24	0	*	0	0	0	0	4.90	29.8	27.8	1.22	.084	.005
25	0	*	0	0	0	0	7.72	25.8	24.4	1.12	.073	.005
26	0	*	0	0	0	0	5.55	29.0	21.2	.946	.073	.005
27	0	*	0	0	0	0	4.44	58.7	21.1	.837	.073	.005
28	0	*	0	0	*	0	3.75	43.0	20.0	.795	.063	.005
29	0	=	0	0	*	0	3.71	35.5	15.3	.743	.063	.005
30	0	=	0	0	*	0	4.99	30.6	12.6	.641	.063	.004
31	0	=	0	=	*	=	5.51	27.2	=	*	=	.004
MOY	.001	*	0	.007	*	0	2.30	16.5	29.8	*	*	.009
				DEBIT MINI	0.0	DATE 1ERE OBSERVATION				15 JAN		
				DEBIT MAXI	58.7	DATE 1ERE OBSERVATION				27 AOU		

TOGO VOLTA YAHENI PAIC
 STATION NUMERO 47278803
 ANNEE 1972

TOGO VOLTA YAHENI PAIC
 STATION NUMERO 47278803
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.004	0	0	0	0	.000	.001	.149	2.28	11.0	.625	.031
2	.004	0	0	C	0	.000	.001	.035	5.95	12.5	.260	.031
3	.003	0	J	J	G	.000	.000	.176	5.10	18.6	.524	.031
4	.002	0	0	0	0	*	.000	.400	5.36	20.3	.457	.005
5	.002	0	0	0	0	.008	.001	.099	4.61	17.6	.365	.018
6	.002	J	J	0	0	0	.005	.020	4.07	12.8	.310	.016
7	.002	0	0	0	0	.004	.908	.020	6.40	10.4	.087	.016
8	.002	0	G	0	0	.003	.616	.101	12.8	8.23	.237	.016
9	.002	0	0	0	0	.003	1.18	.575	16.2	6.88	.215	.014
10	.002	0	0	C	0	.002	1.13	.526	18.5	7.92	.195	.014
11	.001	0	0	0	0	.002	.861	.365	25.6	7.38	.176	.014
12	.001	0	J	J	0	.001	.413	2.25	24.5	6.13	.141	.013
13	.001	J	0	0	0	.001	.087	1.73	22.1	5.17	.141	.013
14	.001	0	0	0	0	.000	.237	1.11	21.9	3.99	.126	.013
15	.001	0	0	G	0	.000	.176	.492	21.0	3.56	.126	.011
16	.000	0	0	0	0	.000	.141	.507	15.7	3.23	.111	.011
17	.000	0	0	0	0	.000	.126	.365	11.2	3.38	.111	.011
18	.000	0	0	.007	.001	.000	.126	.212	11.9	3.21	.020	.010
19	.000	J	0	.002	.001	.000	.111	.087	9.93	2.66	.067	.010
20	.000	0	0	.002	.000	.000	.099	.323	15.6	2.31	.067	.010
21	0	0	0	.002	0	.006	.020	.260	19.9	1.94	.058	.008
22	0	0	0	.001	.000	.010	.020	.955	18.4	1.57	.058	.008
23	0	0	0	*	.002	.007	.109	1.48	28.2	1.39	.050	.008
24	0	0	0	*	.001	0	.122	2.20	27.5	.990	.050	.007
25	J	0	J	*	.002	.004	.473	1.95	21.1	1.08	.050	.007
26	0	0	0	*	.002	.003	.425	1.88	16.0	1.18	.050	.007
27	0	0	0	*	.002	.002	.195	2.06	16.9	1.43	.043	.011
28	0	0	0	*	.002	.002	.080	1.63	17.9	1.17	.037	.011
29	0	0	0	*	.001	.001	.020	1.29	15.3	.925	.037	.010
30	0	=	0	0	.001	.001	.379	2.88	12.0	.781	.037	.010
31	0	=	0	=	.000	=	.151	2.67	=	.691	=	.010
MCY	.001	0	0	*	.001	*	.265	.928	15.1	5.82	.161	.013

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.008	0	0	0	0	0	.110	.450	*	8.36	.815	*
2	.014	0	0	0	0	0	.087	.293	*	13.5	.776	*
3	.013	0	0	0	0	0	.280	*	*	19.2	.826	*
4	.011	0	0	0	0	0	.423	.684	*	18.0	.742	*
5	.010	0	0	0	0	.506	.725	.176	*	16.3	.625	*
6	.007	0	0	0	0	.904	.458	1.10	*	11.0	.609	*
7	.006	0	0	C	0	.381	.958	.425	*	10.2	.473	*
8	.005	0	0	0	0	.127	.714	.196	*	8.24	.394	*
9	.005	0	0	0	0	.047	.366	.126	*	6.54	.379	*
10	.004	0	0	0	0	.036	.188	.253	*	5.25	.524	*
11	.004	0	0	0	0	.013	.175	5.14	*	4.65	.524	*
12	.004	0	0	0	0	.013	.087	6.23	*	3.92	.162	*
13	.004	0	0	0	0	.011	.352	5.88	*	3.27	.087	*
14	.004	0	0	0	0	.011	.310	4.08	*	2.62	.087	*
15	.003	0	0	0	0	.011	.158	3.52	*	2.33	.158	*
16	.003	0	0	0	0	.014	.310	2.29	*	1.83	.141	*
17	.003	0	0	0	0	.013	.158	4.15	*	1.71	.141	*
18	.002	0	0	0	0	.324	.116	7.24	*	1.48	.126	*
19	.002	0	0	0	0	.161	.064	7.28	*	1.33	.126	*
20	.002	0	0	0	0	.315	.030	4.56	*	1.17	.099	*
21	.001	0	0	0	0	.073	.023	2.79	*	1.02	.087	*
22	.001	0	0	0	0	.040	.019	2.61	*	1.07	.077	*
23	.000	0	0	0	0	.027	.017	2.41	*	1.07	.067	*
24	.000	0	0	0	0	.017	.016	2.51	*	1.07	.058	*
25	.000	0	0	0	0	.013	.020	2.70	*	.965	.058	*
26	.000	0	C	C	0	.009	.020	3.58	*	.997	.058	*
27	.000	0	0	0	0	.022	.013	3.51	*	*	.050	*
28	.000	0	0	0	0	.039	.469	5.89	*	1.13	.043	*
29	.000	=	C	0	0	.015	*	5.09	*	.560	.037	*
30	0	=	0	0	0	.014	.320	4.08	*	.781	*	*
31	0	=	0	=	0	=	.189	4.27	=	*	=	*
MCY	.004	0	0	0	0	.105	*	*	*	*	*	*

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 21 JAN
 DEBIT MAXI 28.2 DATE 1ERE OBSERVATION 23 SEP

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 30 JAN
 DEBIT MAXI 19.2 DATE 1ERE OBSERVATION 3 OCT

TCGO VCLTA YAWENI PAIC
 STATION NUMERO 47278803
 ANNEE 1974

TCGO VOLTA YAWENI PAIC
 STATION NUMERO 47278803
 ANNEE 1975

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	C	C	0	0	0	.013	.018	2.76	16.7	13.1	.896	*
2	0	0	0	0	0	.030	.217	2.23	13.1	9.07	1.00	*
3	0	0	0	0	0	.042	.064	2.38	14.4	*	.982	*
4	0	0	0	0	0	.013	.028	12.1	17.3	*	.913	*
5	0	0	0	0	0	.117	.027	20.0	19.7	*	.742	*
6	0	0	0	C	0	.221	.016	21.0	25.6	5.88	.675	*
7	J	J	0	J	*	.075	.458	23.6	48.2	5.31	.625	*
8	0	0	0	0	4.09	.045	.215	23.1	53.2	4.55	.490	*
9	0	0	0	C	.810	.019	.227	15.8	38.4	4.19	.379	*
10	0	0	0	0	.111	.078	.223	15.6	31.2	3.59	.351	*
11	0	0	0	0	.067	.111	.121	15.0	28.4	3.13	.310	*
12	0	0	0	0	.832	.111	.067	15.7	29.8	2.72	.310	*
13	0	0	0	0	.163	.079	.045	7.99	30.9	2.41	.310	*
14	J	0	0	0	.327	.027	.031	6.63	30.2	2.28	.310	*
15	0	0	0	0	.043	.027	.031	7.69	29.8	1.91	.310	*
16	0	0	0	0	.067	.034	2.28	9.57	28.7	1.91	.310	*
17	0	0	J	0	.044	.155	.681	10.7	26.9	1.91	.310	*
18	0	0	0	0	.008	.018	.418	9.23	26.7	1.91	.176	*
19	0	0	0	0	.067	.011	.182	7.89	32.3	1.91	.149	*
20	0	J	0	0	.038	.078	.122	7.12	31.4	1.79	.141	*
21	0	0	0	0	.045	.053	.121	7.27	32.1	1.71	.111	*
22	0	0	0	0	.010	.057	6.52	5.05	28.2	1.40	.111	*
23	0	J	0	0	.200	.134	4.80	4.76	28.0	1.33	.111	*
24	0	0	0	0	.226	.067	4.05	4.08	32.2	1.29	.111	*
25	0	0	0	0	.158	.086	3.83	3.27	31.9	1.18	.111	*
26	0	0	0	0	.128	.039	2.55	3.60	27.9	1.18	.111	*
27	0	0	0	0	.060	.024	2.57	4.60	25.3	1.07	.111	*
28	0	0	0	0	.043	.018	4.53	8.66	21.8	.809	.111	*
29	0	=	0	0	.031	.016	4.99	14.0	19.0	.826	.042	*
30	0	=	0	0	.027	.016	4.20	17.3	18.0	.826	.058	*
31	0	=	0	=	.015	=	2.93	18.4	=	.826	=	*
MOY	0	J	0	0	*	.060	1.50	10.5	27.9	*	.356	*

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.027	0	0	0	0	0	.012	14.1	21.2	26.7	1.18	.126
2	.018	0	0	C	C	0	.005	13.5	29.5	26.5	1.11	.126
3	.018	0	0	0	0	0	.014	9.42	31.4	25.7	1.04	.126
4	.014	0	0	0	0	0	.025	6.47	29.3	23.1	.965	.126
5	.014	0	0	0	0	0	.055	4.88	29.8	16.4	.930	.126
6	.013	0	0	0	0	0	.067	7.43	23.7	13.8	.792	.126
7	.008	0	0	0	0	0	.043	14.4	16.0	12.4	.758	.126
8	.007	0	0	0	0	0	.050	13.6	13.4	11.5	.725	.126
9	.004	0	0	0	0	0	.043	13.5	10.8	11.3	.691	.126
10	.004	0	0	C	0	0	.054	19.6	9.23	10.8	.658	.126
11	.003	0	0	0	0	0	.051	25.7	8.20	10.5	.625	.126
12	.002	0	0	0	0	0	.186	25.8	11.9	11.6	.560	.111
13	.002	0	0	0	0	0	.491	25.7	22.3	8.70	.490	.111
14	.002	0	0	0	0	0	1.30	24.1	20.7	7.98	.425	.067
15	.002	0	0	0	0	0	1.04	24.9	27.2	7.25	.425	.067
16	.002	0	0	0	0	0	.609	26.0	36.6	6.15	.394	.067
17	.002	0	0	C	0	0	21.2	27.6	72.1	6.29	.365	.067
18	.002	0	0	0	0	0	10.5	26.2	53.3	7.66	.337	.067
19	.002	0	0	0	0	0	10.2	18.8	40.3	7.53	.337	.058
20	.002	0	0	0	0	0	4.65	11.1	32.2	4.46	.310	.058
21	.002	0	0	0	0	0	2.68	9.36	31.9	4.16	.310	.050
22	.002	0	0	0	0	0	7.60	11.8	36.0	3.18	.284	.050
23	.002	0	0	C	0	0	8.51	11.0	22.8	2.67	.260	.050
24	.002	0	C	C	0	0	13.8	10.3	20.3	2.61	.260	.031
25	.002	0	0	0	0	0	13.2	8.47	18.4	2.50	.260	.031
26	.002	0	0	0	0	0	12.7	8.18	13.8	2.48	.260	.027
27	.001	0	0	0	0	0	9.88	7.82	22.2	2.12	.260	.027
28	.000	0	0	0	0	0	8.25	7.57	18.3	1.99	.260	.027
29	.000	=	0	0	0	.000	12.8	6.45	15.9	1.46	.260	.027
30	.000	=	0	0	0	.014	13.7	5.09	14.9	1.55	.260	.027
31	0	=	0	=	0	=	13.5	4.74	=	1.38	=	.023
MOY	.005	0	0	0	0	.000	5.39	14.3	25.1	9.11	.526	.078

DEBIT MINI 0.0 DATE IERE DESERVATION 1 JAN
 DEBIT MAXI 53.2 DATE IERE DESERVATION 8 SEP

DEBIT MINI 0.0 DATE IERE OBSERVATION 31 JAN
 DEBIT MAXI 72.1 DATE IERE DESERVATION 17 SEP
 DEBIT MOYEN ANNUEL 4.56 M3/S

TOGC VOLTA YAMENI PAIC
 STATION NUMERO 47278803
 ANNEE 1976

TOGC VOLTA YAMENI PAIC
 STATION NUMERO 47278803
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.023	.014	0	*	*	*	.005	.106	5.38	*	7.79	.141
2	.023	.016	0	*	*	*	.004	1.28	4.09	*	6.83	.111
3	.023	.016	0	*	*	*	.003	1.71	3.37	*	5.91	.099
4	.023	.018	0	*	*	*	.011	.965	3.20	*	5.09	.087
5	.018	.018	0	*	*	*	.051	2.18	2.90	8.19	4.31	.087
6	.018	.018	0	*	*	*	.029	2.48	2.65	15.9	3.76	.087
7	.018	.020	0	*	*	*	.020	3.24	2.01	15.1	3.18	.077
8	.018	.000	0	*	*	*	.018	1.33	1.83	13.2	3.46	.077
9	.018	.000	0	*	*	*	.014	1.12	1.93	10.8	3.56	.058
10	.016	.000	0	*	*	*	.013	1.02	2.03	9.18	2.68	.050
11	.016	.000	*	*	*	*	.013	.878	1.52	*	2.22	.043
12	.016	.000	*	*	*	*	.011	.725	1.81	8.50	2.03	.043
13	.016	.001	*	*	*	*	.014	.658	1.81	9.77	1.77	.043
14	.016	.001	*	*	*	*	.014	.609	1.53	7.91	1.46	.027
15	.016	.002	*	*	*	*	.176	.525	1.44	10.5	1.31	.023
16	.016	.002	*	*	*	*	.069	.490	4.63	9.74	1.22	.020
17	.014	.002	*	*	*	*	.037	.441	5.51	9.88	1.14	.020
18	.014	.003	*	*	*	*	.029	.425	6.57	11.3	1.07	.020
19	.014	.004	*	*	*	*	.043	.820	11.6	13.9	1.00	.020
20	.014	.004	*	*	*	*	.073	5.18	6.98	19.1	.965	.020
21	.013	.005	*	*	*	*	.040	10.5	6.48	19.4	.792	.020
22	.013	.005	*	*	*	*	.031	13.7	3.50	21.2	.758	.018
23	.013	0	*	*	*	*	.027	9.35	2.39	21.4	.560	.018
24	.013	0	*	*	*	*	.023	8.71	1.18	21.5	.490	.018
25	.013	0	*	*	*	*	.372	6.63	1.97	19.4	.394	.016
26	.013	0	*	*	*	*	.710	5.43	6.34	16.6	.310	.016
27	.013	0	*	*	*	*	.809	3.71	8.41	14.1	.260	.014
28	.013	0	*	*	*	.003	.609	5.76	9.46	12.5	.215	.014
29	.013	0	*	*	*	.004	.167	8.37	11.0	12.0	.195	.014
30	.014	=	*	*	*	.005	.126	8.08	12.4	10.4	.158	.014
31	.014	=	*	*	*	=	.119	6.38	=	9.46	=	.013
MOY	.016	.005	*	*	*	*	.119	3.64	4.53	*	2.16	.043

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.050	.010	0	*	*	.002	.037	.050	.425	1.83	.020	.002
2	.050	.008	*	*	*	.002	.031	.043	.725	1.67	.020	.002
3	.050	.007	0	*	*	.009	.027	.037	.691	1.52	.018	.001
4	.043	.007	0	*	*	.027	.087	.031	*	*	.018	.001
5	.043	.006	0	*	*	.023	.142	*	*	.965	.018	.013
6	.043	.005	0	*	*	.020	.082	.020	.394	.809	.016	.013
7	.043	.003	0	*	*	.016	.054	.027	*	.725	.016	.013
8	.043	.002	0	*	*	.014	*	.037	1.35	*	.016	.010
9	.037	.002	0	*	*	.012	1.50	.050	1.59	.524	.016	.010
10	.037	.002	0	*	*	.014	*	.067	1.02	.490	.016	.008
11	.037	.002	0	*	*	.016	1.61	.077	.930	.457	*	.008
12	.031	.001	0	*	*	.021	1.22	*	.792	.725	.014	.008
13	.031	.001	0	*	*	*	.352	.126	2.19	.658	.014	.007
14	*	.001	0	*	*	*	.226	.141	3.51	.542	.014	.007
15	.027	.001	0	*	*	1.73	.167	.158	4.79	.490	.014	.007
16	.027	*	0	*	*	1.08	*	*	6.59	.409	.013	.006
17	.027	.000	0	*	*	.558	.099	.260	4.35	.337	*	.005
18	.023	.000	0	*	*	.441	.087	.260	2.90	.284	.013	.005
19	.023	0	0	*	*	*	.082	.215	2.54	.409	.011	.005
20	.023	0	0	*	*	.226	.077	.176	*	.365	.011	*
21	.020	0	0	*	*	.185	.101	*	1.31	.337	.011	.005
22	.020	0	0	*	*	.141	.272	.067	*	.285	.010	.005
23	*	0	0	*	*	.111	.186	.058	1.18	.237	.008	.007
24	.018	0	0	*	*	.099	.149	.658	.861	.215	.007	.007
25	.016	0	0	*	*	.087	.141	.691	.758	.195	.006	.008
26	.014	0	*	*	*	.077	.082	.725	*	.176	.006	.008
27	.014	0	*	*	*	.067	.077	*	1.01	.158	.005	.008
28	.013	0	*	*	*	*	*	.625	1.73	.141	.004	.008
29	.013	=	*	*	*	.050	.058	*	*	.126	.003	.008
30	.011	=	*	*	*	.043	*	*	1.95	.111	.003	.007
31	.011	=	*	*	*	=	.050	.490	=	.020	=	.007
MOY	*	*	*	*	*	*	*	*	*	*	*	*

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 23 FEV
 DEBIT MAXI 21.5 DATE 1ERE OBSERVATION 24 OCT

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 19 FEV
 DEBIT MAXI 6.55 DATE 1ERE OBSERVATION 16 SEP

STATION NUMERO 47278803												STATION NUMERO 47278803															
ANNEE 1978												ANNEE 1979															
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S															
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC				
1	.016	.018	.018	.007	.565	1.27	.490	9.70	5.68	5.23	.087	1.00	1	0	0	0	0	0	8.17	21.0	9.04	.792	.490				
2	.033	.018	.018	.016	1.04	.541	.524	*	7.16	5.17	.077	.895	2	0	0	0	0	0	7.91	21.0	8.77	.792	.490				
3	.035	.018	.018	.018	.087	.087	.425	6.85	7.60	5.12	2.16	*	3	0	0	0	0	0	7.85	21.1	8.77	.758	.490				
4	.020	*	.016	.018	.077	*	.425	6.67	*	*	*	.895	4	0	0	0	0	0	7.72	21.2	16.3	.725	.394				
5	.020	.016	*	.018	.050	.067	.425	6.61	55.9	4.52	2.03	.826	5	0	0	0	0	0	*	23.8	7.98	.725	.394				
6	.020	.016	.043	.031	.215	.067	.560	6.61	*	4.74	1.87	.792	6	0	0	0	0	0	2.72	*	24.6	7.04	.658	.310			
7	*	.016	.043	.026	.176	*	.658	*	*	4.52	1.59	.758	7	0	0	0	0	0	1.99	*	25.8	6.67	.658	.310			
8	.027	.016	.031	.020	.158	.067	.691	5.51	23.3	7.41	*	.758	8	0	0	0	0	0	1.83	*	26.4	5.97	.658	.260			
9	.025	*	.031	.020	*	.067	1.75	*	19.7	*	1.44	.728	9	0	0	0	0	0	3.04	*	30.1	5.74	.593	.260			
10	.023	.016	.023	.018	.425	.159	2.24	5.12	17.7	3.71	1.44	.658	10	0	0	0	0	0	2.54	8.91	32.5	5.68	.593	.260			
11	.023	.014	.023	.018	.394	.149	2.50	5.06	15.2	3.13	1.40	.658	11	0	0	0	0	0	2.76	5.74	32.2	5.40	.310	.215			
12	.020	.014	.023	.018	.337	.126	2.54	4.84	13.6	2.99	1.36	*	12	0	0	0	0	0	2.03	5.01	32.2	5.17	.310	.215			
13	.018	.014	*	.043	2.16	.126	2.90	*	*	2.90	1.36	*	13	0	0	0	0	0	2.67	2.63	5.85	32.0	5.01	.524	.158		
14	.016	.014	.020	.031	.756	.111	2.95	4.47	26.0	2.90	1.36	.490	14	0	0	0	0	0	2.46	3.71	7.41	32.0	4.68	.524	.158		
15	.014	.014	.020	.027	.560	.105	*	4.42	24.5	2.81	1.33	.490	15	0	0	0	0	0	0	2.95	8.37	31.4	3.56	.490	.126		
16	.014	.027	.020	.027	.457	.087	6.97	4.42	19.5	2.72	*	.394	16	0	0	0	0	0	4.84	21.2	31.2	1.95	.457	.126			
17	.016	.027	.020	*	.176	*	6.38	4.37	19.1	*	1.22	.394	17	0	0	0	0	0	5.06	20.4	31.0	1.87	.457	.087			
18	.016	.027	*	.020	.077	.077	5.62	4.26	*	2.33	1.22	.365	18	0	0	0	0	0	6.67	20.2	29.9	1.87	.457	.087			
19	.016	*	.023	.020	.058	.077	*	*	16.4	2.20	1.22	.365	19	0	0	0	0	0	7.16	19.9	20.7	1.55	.425	.067			
20	.016	.050	.020	.020	*	.077	4.58	*	12.6	2.20	1.18	.337	20	0	0	0	0	0	8.44	19.9	18.7	1.44	.394	.067			
21	.016	.050	.020	*	.050	.067	4.63	.020	11.6	2.07	*	.337	21	0	0	0	0	0	9.60	18.5	15.6	1.14	.394	.058			
22	.018	.023	.018	.043	.050	.067	8.30	.020	11.1	2.03	1.14	.337	22	0	0	0	0	0	7.91	17.6	14.6	1.14	.365	.058			
23	.018	.023	.018	.043	.050	*	11.6	.016	9.25	1.91	1.14	*	23	0	0	0	0	0	7.91	16.1	11.9	1.07	.365	.058			
24	.018	.023	.014	.037	.067	.260	22.1	.014	7.79	1.83	1.11	.284	24	0	0	0	0	0	7.66	16.0	10.9	1.07	.365	.058			
25	.020	.020	.014	.037	.067	.195	22.4	*	*	1.71	1.11	.284	25	0	0	0	0	0	7.34	15.9	10.5	1.07	.337	.058			
26	.020	.020	.013	.027	.067	.141	22.8	.310	*	1.67	1.11	*	26	0	0	0	0	0	6.97	15.9	9.67	1.00	.337	.050			
27	.027	.020	.011	.027	.067	.141	23.9	.394	5.68	1.52	1.07	.260	27	0	0	0	0	0	6.55	15.9	9.53	1.00	.337	.050			
28	.031	.018	.008	.020	.077	.099	*	4.74	5.45	*	*	.260	28	0	0	0	0	0	6.55	17.7	9.18	.965	.337	.050			
29	.018	=	.007	*	.077	.087	23.6	5.06	5.40	.895	1.07	.158	29	0	=	0	0	0	9.46	18.2	9.18	.965	.284	.050			
30	.018	=	.007	*	.077	.087	23.0	5.17	5.23	.490	1.04	.158	30	0	=	0	0	0	3.08	8.97	19.7	9.11	2.33	.284	.043		
31	.018	=	.007	=	.077	=	18.5	*	=	.111	=	.126	31	0	=	0	=	0	=	8.64	20.9	=	2.24	=	.043		
MOY	*	*	*	*	*	*	*	*	*	*	*	*	MOY	0	0	0	0	0	.274	4.71	*	21.6	4.14	.490	.179		
DEBIT MINI				0.007									DEBIT MINI						0.0								
DEBIT MAXI				55.9									DEBIT MAXI						32.5								

BASSINS VERSANTS COTIERS

GENERALITES :

- Superficie du bassin versant : 2 560 km²
- Coordonnées de la station : 6°30'N - 1°20'E
- Cote du zéro de l'échelle : 16 m (IGN) environ
- Amplitude de l'échelle : -0,50 à 6 m
- Accès : Ancien pont métallique de la route TSEVIE-TABLIGBO
- Date de création : 2.08.1961
- Cadence des relevés : 2 lectures par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 63
- Maximum jaugeé : H = 4.95 - 4.94 m
Q = 57.7 m³/s
Date = 19.7.79
- Nombre de tarages utilisés pour la période 71-79 : 1
- Dernière courbe d'étalonnage utilisée :
. valide du 2.4.70 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,10	8.0000	0.0	0.0
0,10 A 0,80	1.1310	1.5940	0.080
0,80 A 1,50	2.2619	3.4881	1.75
1,50 A 3,00	0.7262	6.7774	5.30
3,00 A 3,90	1.4815	8.2222	17.1
3,90 A 4,30	13.750	11.250	25.7
4,30 A 5,00	20.000	23.000	32.4
5,00 A 6,40	4.6191	51.810	58.3

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1961	/	*	*	*	*	*	*	/	/	.	.	.
1962	/
1963	/
1964	.	.	/	*
1965	.	*	*	*	*	*	*	*	*	*	*	/
1966	/	*
1967
1968
1969	.	.	/	/	/
1970
1971	.	*	/	/	.	.	.
1972	*	*	/	*	*	*	*
1973	/	.	/	/	.	/	.	/	/	/	.	/
1974	/	/	/
1975	/
1976	.	/	.	.	/
1977	.	.	.	/	/	/	.	.	/	/	.	.
1978	*	*	/
1979	/	/	/	/	/	.

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TUGO

LAC TCGO

HAHC

GATI

STATION NUMERO 47341506

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

DEBITS MOYENS JOURNALIERS EN M3/S

- COMMENTAIRES :

- La station est stable même en basses eaux et la
traduction hauteur-débit est précise.

- La cadence des relevés est insuffisante.

	JAN	FÉV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	0	*	0	.975	.316	.114	1.88	10.4	1.56	27.7	.233	0
2	0	*	0	.801	.180	.163	.862	11.6	1.36	*	.197	0
3	0	*	C	.615	.066	.096	.660	10.4	1.35	7.69	.180	.029
4	0	*	0	.517	.024	.036	.497	6.19	4.28	4.72	.163	.137
5	0	*	0	.384	.013	.002	.288	4.99	4.44	4.12	.146	.224
6	0	*	0	.325	.003	0	.197	3.20	4.27	4.82	.129	.233
7	0	*	0	.233	0	0	.129	3.10	5.48	3.97	.129	.154
8	0	*	0	.154	0	0	.080	3.00	8.09	5.68	.112	.096
9	0	*	0	.121	0	.115	.058	4.31	8.02	*	.065	.052
10	0	*	C	.036	0	.364	.034	5.99	8.88	6.94	.051	.016
11	0	*	0	.137	0	.269	.016	4.50	5.95	4.34	.039	.010
12	0	*	0	.154	0	.206	.005	4.36	4.67	2.81	.039	.002
13	0	*	0	.096	0	.163	0	13.6	4.39	2.26	.029	0
14	0	*	0	.045	0	.147	0	23.4	16.9	2.26	.020	0
15	0	*	0	.021	0	.215	0	27.5	20.1	2.01	.007	0
16	0	*	0	.003	0	.741	.096	36.2	28.8	2.35	.003	0
17	0	*	0	0	0	.571	.699	39.9	24.0	2.06	.003	0
18	0	*	0	0	.056	.455	8.48	26.0	28.4	1.91	0	0
19	0	*	C	0	.052	.316	21.2	16.0	31.9	1.59	0	0
20	0	*	0	.005	.040	.215	27.2	12.2	37.0	1.27	0	0
21	0	*	0	.000	.181	.163	31.7	8.85	26.5	1.11	0	0
22	0	*	0	0	.345	.104	36.8	6.62	18.1	1.15	0	0
23	0	*	0	0	.475	.065	35.7	6.10	*	.975	0	0
24	0	*	3.46	C	.549	.065	20.6	11.9	*	.862	0	0
25	0	*	3.56	0	.444	.045	11.5	13.4	17.9	.729	0	0
26	0	=	3.62	0	.335	.020	3.50	12.0	20.2	.615	0	0
27	0	*	3.17	0	.251	.066	2.07	6.52	24.4	.549	0	0
28	0	*	2.56	0	.206	.190	1.66	4.12	30.8	.465	0	0
29	0	=	1.77	.C26	.163	10.7	1.49	3.40	37.8	.404	0	0
30	0	=	1.43	.138	.074	6.45	2.58	2.54	41.7	.316	0	0
31	0	=	1.19	=	.030	=	8.65	1.90	=	.251	=	0
MOY	0	*	.670	.164	.123	.735	7.05	11.1	*	*	.051	.031
DEBIT MINI				C.0								1 JAN
DEBIT MAXI				41.7								30 SEP

TJGU LAC TCGG HAHO GATI
 STATION NUMERO 47341506
 ANNEE 1972

TCGG LAC TCGG HAHO GATI
 STATION NUMERO 47341506
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	*	*	.020	.518	4.99	4.60	7.01	.188	*	*	*
2	*	*	*	.008	.306	10.2	4.03	4.14	.154	*	*	*
3	*	*	*	.021	.233	16.5	2.67	2.46	.096	*	*	*
4	*	*	*	.005	.224	24.9	1.77	1.64	.058	*	*	*
5	*	*	*	.304	.288	33.7	1.31	1.61	.052	*	*	*
6	*	*	*	1.46	.364	30.9	1.20	1.39	.112	*	*	*
7	*	*	*	2.53	.539	26.7	1.13	1.19	.163	*	*	*
8	*	*	*	5.02	.742	17.0	1.04	1.08	.279	*	*	*
9	*	*	*	10.0	.949	10.2	.936	.975	.404	*	*	*
10	*	*	*	13.8	.949	8.09	.951	.874	.374	*	*	*
11	*	*	*	9.67	.765	5.96	2.61	.777	.345	*	*	*
12	*	*	*	7.02	.364	4.42	8.09	.683	.414	*	*	*
13	*	*	*	3.55	.316	3.40	8.72	.615	.424	*	*	*
14	*	*	*	1.82	.414	2.60	9.90	.582	.325	*	*	*
15	*	*	*	1.70	.465	1.91	18.3	.507	.278	*	*	*
16	*	*	*	1.61	.496	2.45	19.3	.424	.242	*	*	*
17	*	*	*	1.49	.454	5.14	20.4	.364	.215	*	*	*
18	*	*	*	1.35	.424	11.4	18.1	.345	.188	*	*	*
19	*	*	*	1.26	.384	17.7	10.5	.288	.171	*	*	*
20	*	*	*	1.09	.384	11.3	4.56	.251	.146	*	*	*
21	*	*	*	1.01	.364	8.21	3.25	.197	.121	*	*	*
22	*	*	*	1.19	.345	4.19	3.25	.163	.088	*	*	*
23	*	*	*	1.47	.364	3.41	3.25	.163	.072	*	*	*
24	*	*	.080	1.74	.550	4.95	3.25	.146	.058	*	*	*
25	*	*	.365	2.26	.875	6.91	3.20	.129	.045	*	*	*
26	*	*	.052	2.20	2.13	9.63	3.82	.146	.039	*	*	*
27	*	*	.076	1.99	4.10	10.5	8.93	.163	.024	*	*	*
28	*	*	.030	1.71	6.55	8.80	11.3	.197	.008	*	*	*
29	*	*	.005	1.30	10.1	6.54	14.2	.215	.034	*	*	*
30	*	*	.027	.976	15.5	5.44	13.0	.215	.012	*	*	*
31	*	*	.034	=	9.17	=	10.3	.197	=	*	=	*
MOY	*	*	*	2.66	1.92	10.6	7.03	.946	.171	*	*	*

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	1.22	*	1.34	4.17	2.71	2.10	.029	5.68	20.2	4.88	.020
2	*	1.22	*	1.41	2.90	1.19	10.8	.444	5.92	18.0	3.01	.013
3	*	1.34	*	*	3.10	.615	25.2	.207	8.02	20.2	2.58	.007
4	*	1.34	*	*	1.82	.455	27.7	.112	11.4	18.9	2.63	.007
5	*	1.34	*	*	1.36	.384	18.9	.112	25.2	*	2.41	.003
6	*	1.41	*	1.69	2.59	.551	8.34	.644	34.7	*	2.37	.001
7	*	1.41	*	1.69	4.15	1.57	3.57	1.16	42.0	*	1.75	.001
8	.583	1.48	*	1.77	2.47	3.31	2.20	3.62	46.8	*	1.31	.001
9	.583	1.48	*	1.84	5.62	4.09	1.73	2.98	43.1	5.99	1.13	.001
10	.583	1.48	*	1.92	4.75	6.93	1.38	2.45	35.6	4.85	1.61	.001
11	.583	1.48	*	1.92	3.05	13.9	1.05	2.74	25.8	5.50	1.26	.001
12	.583	1.55	*	2.00	.874	*	.886	2.20	30.9	*	.937	.001
13	.583	1.55	*	2.00	.645	*	.837	2.43	32.1	*	.776	.001
14	.627	1.62	*	*	.476	*	.776	1.70	27.6	7.41	.683	.003
15	.627	1.62	*	*	.345	2.43	.776	1.04	31.6	5.21	.582	.013
16	.673	1.69	*	*	.206	1.80	.605	.707	36.3	3.73	.475	.001
17	.673	1.69	*	*	.146	1.27	.813	.476	36.7	2.95	.394	0
18	.720	1.69	*	*	.052	1.07	.660	.306	34.1	2.29	.364	0
19	.769	1.77	*	*	.024	1.16	.530	.242	28.2	1.72	.316	0
20	.819	1.77	*	*	.013	.826	.364	.146	*	1.40	.260	0
21	.819	1.84	*	*	.005	.593	.288	.333	24.3	1.19	.215	0
22	.871	1.84	*	*	.040	.455	.242	.776	19.8	1.01	.180	0
23	.871	1.84	*	.345	.466	.772	.180	4.47	14.8	.874	.154	0
24	.871	1.92	*	.788	.325	1.52	.040	4.14	34.8	.777	.129	0
25	.925	1.92	*	8.09	.216	1.12	0	3.12	44.8	.660	.112	0
26	.980	2.00	*	21.0	.056	.660	0	6.16	45.4	.615	.088	0
27	1.10	2.00	*	19.9	.058	.696	0	8.59	48.0	2.45	.058	0
28	1.16	2.00	*	5.46	.060	1.00	0	4.55	48.0	17.9	.039	*
29	*	=	*	3.05	4.36	1.20	0	4.44	48.0	20.2	.029	*
30	*	=	1.34	3.08	11.5	1.36	.001	10.7	34.7	21.8	.020	0
31	*	=	1.34	=	8.22	=	.002	*	=	18.8	=	0
MOY	*	1.63	*	*	2.07	*	3.55	*	*	*	1.02	*

DEBIT MINI 0.005 DATE IERE OBSERVATION 29 MAR

DEBIT MINI 3.0 DATE IERE CESERVATION 25 JUL

DEBIT MAXI 33.7 DATE IERE DESERVATION 5 JUN

DEBIT MAXI 46.0 DATE IERE CESERVATION 27 SEP

TOGC LAC TCGO MAHO GATI
 STATION NUMERO 47341506
 ANNEE 1974

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	0	.320	.980	.013	.157	.220	3.30	37.4	4.23	11.4	2.59	.003
2	0	*	.580	.004	.029	.910	1.83	42.4	5.83	24.4	1.97	.001
3	.001	.387	.925	.002	.066	2.01	1.27	44.8	3.79	23.2	1.29	.001
4	.063	.423	.925	.007	.020	1.29	.912	31.4	2.56	12.9	1.11	.003
5	.020	.461	.980	.029	.040	.862	.718	16.7	1.69	8.28	.813	.003
6	.039	.461	.980	.196	.088	.776	.604	9.57	1.55	7.02	.949	.007
7	.065	.500	1.04	1.31	.174	.851	.507	5.78	8.40	7.81	2.28	.020
8	.065	.500	1.04	1.05	1.10	1.24	.561	3.98	10.3	4.08	1.27	.029
9	.080	.541	*	1.07	.707	3.37	12.2	3.05	17.6	2.88	.976	.029
10	.080	.541	1.16	1.29	.496	2.45	17.6	2.47	8.29	2.63	.765	.039
11	*	.541	1.16	.706	.465	1.97	11.1	4.66	5.47	3.52	.615	.051
12	.097	.583	1.22	.628	.517	5.54	11.9	17.4	7.18	4.61	.465	.065
13	.097	.583	*	.424	.384	6.58	9.10	6.35	13.2	3.89	.345	.080
14	.115	.627	*	.279	.288	4.95	7.78	3.20	13.0	4.73	.251	.097
15	.135	.627	1.28	.206	.242	3.47	3.70	2.98	14.3	5.78	.206	.097
16	.135	.627	*	.180	.215	2.07	3.26	2.70	20.3	4.69	.163	.115
17	.157	*	3.19	.112	.154	1.47	5.95	2.23	13.2	9.39	.444	.135
18	.157	.673	1.30	.074	.080	2.05	10.5	5.01	14.7	12.2	.354	.097
19	.157	.720	.825	.018	.040	3.96	7.39	3.98	20.2	6.55	.279	.097
20	.160	.720	.486	.005	.014	2.48	4.45	4.11	26.8	4.55	.197	.135
21	.180	.720	.384	.007	.002	1.65	4.57	2.27	18.2	3.20	.129	.157
22	.205	.769	*	C	.002	1.17	11.7	1.48	11.1	2.71	.080	.157
23	.205	.819	.684	.002	.007	.875	14.4	1.17	11.3	1.75	.065	.180
24	.205	*	.486	.014	.014	.683	11.9	.937	15.9	1.34	.058	.205
25	.231	.871	.384	.045	.045	.571	17.9	.729	23.3	1.05	.039	.205
26	.259	.371	.384	.065	.072	.653	20.3	.649	26.9	.837	.029	.205
27	.259	.925	.325	.065	.045	1.28	11.2	.777	20.1	.776	.024	.180
28	.289	.925	.242	.068	.285	1.67	5.48	1.07	12.4	1.95	.016	.205
29	.289	=	.129	.106	.269	3.56	13.2	1.00	7.51	3.61	.007	.205
30	*	=	.066	.125	.487	4.60	21.2	.777	7.00	3.45	.007	.205
31	*	=	.030	=	.112	=	29.7	1.29	=	5.31	=	.205
MOY	*	*	*	.271	.214	2.17	9.04	8.46	12.2	6.15	.593	.104

DEBIT MINI C.0 DATE 1ERE OBSERVATION 1 JAN
 DEBIT MAXI 44.8 DATE 1ERE OBSERVATION 3 AOU

TOGC LAC TCGO MAHO GATI
 STATION NUMERO 47341506
 ANNEE 1975

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.925	.423	.137	.435	10.2	1.77	2.43	3.48	.306	27.9	2.35	.388
2	.925	.423	.088	1.02	7.15	1.66	2.54	11.9	.269	30.9	1.88	.675
3	.925	.387	.072	.446	2.19	1.58	2.37	16.9	.242	34.1	1.55	.887
4	.925	.387	.040	.233	2.58	1.55	1.73	16.7	.206	26.4	1.37	3.16
5	.671	.387	.007	.096	4.15	1.51	1.43	13.0	.188	13.3	1.15	4.35
6	.871	.387	1.84	.021	2.30	1.52	9.80	13.6	.171	8.46	.975	5.46
7	.871	.353	1.55	3.06	3.23	1.55	26.1	11.6	.154	6.51	.825	1.96
8	.871	.320	1.38	1.95	3.26	.068	36.7	7.04	.180	4.88	.718	1.35
9	.819	.320	1.28	7.08	7.08	.163	47.8	7.29	2.45	5.48	.593	.912
10	.819	.320	1.38	7.76	16.8	2.60	50.2	9.94	16.6	10.8	.486	.638
11	.819	.320	1.38	2.16	6.05	4.81	51.1	6.91	13.2	15.6	.434	.496
12	.769	.285	1.28	1.79	2.35	2.77	52.0	4.21	9.17	20.3	.374	.374
13	.769	.259	1.16	2.79	1.85	7.91	50.4	3.70	5.02	20.7	.364	.269
14	.720	.259	1.07	1.75	1.12	11.3	49.3	2.86	6.23	19.9	.345	.189
15	.720	.259	1.16	.782	.684	19.4	52.7	3.34	5.09	21.3	.364	.146
16	.673	.231	1.04	.444	.549	22.3	61.4	4.50	2.65	14.4	.528	.121
17	.673	.259	.794	.180	.825	19.6	54.4	3.14	6.67	7.30	.486	.088
18	.627	.259	.744	.096	.540	19.3	52.2	2.17	18.4	4.85	.455	.058
19	.627	.231	.720	.058	.374	9.38	50.7	1.50	20.5	11.4	.434	.039
20	.627	.205	.673	.012	.233	3.89	48.0	1.31	19.4	13.9	.404	.029
21	.627	1.74	1.16	.560	.154	3.55	41.7	1.13	18.5	19.4	.788	.016
22	.583	.925	1.16	.673	.112	20.9	42.9	.837	13.6	23.4	.776	.010
23	.541	.605	1.04	10.0	.058	29.6	47.0	.765	6.76	26.1	.695	.007
24	.541	.414	1.36	20.3	.016	29.5	36.5	.706	15.3	21.7	.706	.003
25	.541	.306	1.80	11.0	.010	16.7	21.8	.649	19.4	14.8	.572	.002
26	.541	.215	.651	15.7	.336	7.77	18.7	.604	25.5	10.1	.404	.001
27	.541	.171	.325	11.5	.180	6.34	20.3	.517	35.0	6.23	.316	.068
28	.500	.171	.197	3.76	.074	5.92	13.4	.485	45.2	4.40	.251	.135
29	*	=	.121	1.79	.014	7.49	7.84	.454	48.0	3.07	.281	.157
30	.461	=	.065	1.36	.004	3.42	5.34	.394	41.1	2.98	.154	.157
31	.423	=	.915	=	.000	=	3.87	.335	=	2.72	=	.180
MOY	*	.337	.857	3.64	2.40	9.83	31.1	4.91	13.2	14.6	.700	.720

DEBIT MINI C.000 DATE 1ERE OBSERVATION 31 MAI
 DEBIT MAXI 61.4 DATE 1ERE OBSERVATION 16 JUL

TOGC LAC TCGU HAHO GATI
 STATION NUMERO 47341506
 ANNEE 1976

DEBITS MOYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.157	.627	.146	.518	.146	.673	7.70	.010	.389	2.13	11.8	.180
2	.160	.673	.014	.604	.218	.720	3.92	.106	1.18	7.48	9.10	.112
3	.205	.720	.008	.938	.274	.720	2.15	.146	1.60	2.75	8.91	.080
4	.231	.769	.004	.777	.320	.744	1.52	.180	1.05	1.63	8.72	.039
5	.231	.769	.043	.478	.405	.769	1.17	.112	.730	4.55	6.31	.020
6	.231	.769	.146	.251	.370	.794	.899	.010	.507	2.23	5.90	.013
7	.259	.769	.205	.146	.387	.769	.706	.000	.354	6.10	7.93	.003
8	.231	.819	.218	.137	.405	.819	1.68	.125	.233	3.97	4.69	.001
9	.205	*	.206	.068	.423	.819	1.96	.180	.180	1.80	9.41	.003
10	.205	.673	.119	.688	*	.845	.938	.231	.121	1.17	13.3	.007
11	.205	.541	.007	.658	.500	.373	.638	.274	.072	.863	12.5	.020
12	.205	.500	.036	.024	.500	.306	.455	.336	.045	.637	10.7	.029
13	.259	.320	.021	.013	.520	.010	.335	.370	.024	.675	7.87	.039
14	.289	.353	.004	.010	.447	.138	.242	.405	.024	1.40	5.54	.051
15	.320	.387	.146	.005	.320	.260	.180	.461	.029	.755	6.37	.065
16	.387	.423	.069	.005	.405	.882	.137	.500	.020	2.42	3.88	.065
17	.353	.461	.016	.151	.423	.802	.080	.520	.013	8.32	2.54	.080
18	.387	.520	.088	.206	.461	7.45	.051	.541	.013	17.1	1.88	.097
19	.387	.583	.058	.146	.461	14.4	.039	.373	.008	25.4	1.47	.115
20	.387	.082	.016	.088	.500	16.0	.030	6.78	.106	30.2	1.19	.135
21	.387	.088	.003	.040	.423	7.29	.010	14.7	.040	31.4	1.00	.115
22	.387	.016	.014	.016	.500	4.63	.003	15.6	.327	34.3	.837	.135
23	.423	.004	.052	.010	.423	2.65	.003	4.41	.685	42.1	.718	.157
24	.423	.146	1.31	.208	.353	2.01	.106	2.46	.605	49.3	.593	.135
25	.461	.206	4.66	.215	.353	1.31	.108	1.11	.434	48.7	.496	.157
26	.461	.077	4.59	.121	.461	1.32	.306	.859	.394	36.7	.414	.157
27	.500	.206	1.76	.045	.500	10.8	.180	1.08	.316	27.4	.394	.065
28	.541	.208	1.86	.014	.500	14.1	.112	.975	.260	22.4	.354	.097
29	.541	.002	3.25	.050	.541	14.6	.052	.742	.197	23.9	.269	.115
30	.541	=	1.32	.125	.627	7.80	.080	.615	.146	24.4	.206	.135
31	.583	=	.730	=	.673	=	.024	.424	=	18.6	=	.157
MOY	.341	*	.694	.186	*	3.83	.833	1.76	.337	15.5	4.84	.083

DEBIT MINI 0.000 DATE 1ERE OBSERVATION 7 AOU
 DEBIT MAXI 49.3 DATE 1ERE OBSERVATION 24 OCT

TOGC LAC TCGU HAHO GATI
 STATION NUMERO 47341506
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.157	.205	.673	1.32	*	*	.137	.541	1.77	*	.718	.387
2	.157	.205	.744	1.45	*	1.96	.052	.541	1.84	*	.560	.405
3	.157	.231	.769	1.55	*	1.61	.008	.583	1.84	*	.424	.442
4	.180	.231	.769	.960	*	.584	.002	.627	1.92	*	.288	.520
5	.205	.259	.769	*	*	.252	.016	.673	1.92	*	.215	.562
6	.205	.259	.769	*	*	.050	.034	.720	2.00	*	.154	.605
7	.231	.289	.819	*	*	.004	.058	.769	*	*	.089	.627
8	.205	.320	.819	*	*	.045	.088	.819	*	*	.034	.673
9	.231	.320	.871	*	*	.098	.125	.819	*	*	.008	.696
10	.231	.320	.871	*	*	.135	.168	.871	*	*	.004	.769
11	.231	.353	.847	*	*	.168	.218	.871	*	*	.004	.696
12	.231	.353	.769	*	*	.205	.231	.925	*	*	.000	.769
13	.231	.353	.769	*	*	.231	.259	.980	*	2.04	.010	.794
14	.259	.353	.769	*	*	.259	.274	1.04	*	6.95	.034	.845
15	.259	.387	.769	*	*	.289	.289	1.04	*	12.4	.051	.925
16	.259	.387	.819	*	*	.289	.320	1.10	*	17.1	.045	.925
17	.259	.423	.819	*	*	.320	.320	1.16	*	18.9	.065	.980
18	.259	.423	.819	*	*	.660	.353	1.22	*	10.2	.097	.980
19	.289	.461	.871	*	*	.721	.387	1.22	*	4.27	.115	1.01
20	.289	.461	.871	*	*	.326	.387	1.28	*	2.21	.157	1.07
21	.289	.500	.925	*	*	.146	.423	1.28	*	2.17	.180	1.13
22	.289	.500	.925	*	.874	.124	.387	1.28	*	11.0	.205	1.16
23	.320	.500	.925	*	.899	.374	.387	1.34	*	16.9	.231	1.19
24	.320	.541	.990	*	*	.626	.423	1.41	*	14.6	.259	1.25
25	.320	.541	.980	*	*	.643	.423	1.41	*	7.95	.289	1.34
26	.320	.583	1.04	*	*	1.40	.461	1.48	*	5.34	.289	1.45
27	.320	.583	1.04	*	*	.925	.423	1.48	*	3.82	.320	1.51
28	.279	.627	1.07	*	*	.615	.423	1.55	*	2.52	.353	1.58
29	.088	=	1.19	*	*	.374	.461	1.62	*	1.63	.353	1.66
30	.100	=	1.28	*	*	.224	.500	1.69	*	1.23	.353	1.69
31	.192	=	1.34	=	*	=	.500	1.69	=	.937	=	1.92
MOY	.238	.392	.893	*	*	*	.275	1.10	*	*	.197	.985

DEBIT MINI 0.000 DATE 1ERE OBSERVATION 12 NOV
 DEBIT MAXI 16.9 DATE 1ERE OBSERVATION 17 OCT

STATION NUMERO 47341506												STATION NUMERO 47341506													
ANNEE 1978												ANNEE 1979													
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	*	*	*	.423	2.91	1.77	5.26	.001	.627	1.74	.741	.039	1	.720	J	J	C	0	4.66	16.3	*	*	*	14.8	.532
2	*	*	*	.480	2.95	2.27	5.41	.005	.627	1.05	1.77	.080	2	.769	0	0	0	0	7.68	21.7	*	*	*	*	.937
3	*	*	*	.541	5.18	17.8	3.70	.002	.650	1.00	3.86	.115	3	.819	0	0	0	0	19.5	32.0	*	*	*	11.9	.683
4	*	*	*	.583	14.8	25.6	3.13	.080	.673	.977	4.07	.115	4	.871	0	0	0	0	23.6	44.1	*	16.3	*	9.25	.615
5	*	*	*	.562	11.1	43.8	2.94	.410	.673	.937	1.94	.157	5	.871	0	0	0	0	26.2	47.6	*	14.2	*	11.4	.496
6	*	*	*	.5E3	5.00	48.7	2.16	.878	.439	.721	1.24	.180	6	.925	C	C	C	0	20.3	47.6	*	16.3	*	17.1	.454
7	*	*	*	.627	4.41	43.5	1.60	.206	.320	.455	.813	.231	7	.980	0	0	0	0	11.2	42.4	*	*	*	17.1	.404
8	*	*	*	.673	11.0	26.1	1.26	.274	.320	.316	.672	.259	8	1.04	0	0	0	0	4.05	37.0	*	*	*	14.3	.394
9	*	*	*	.720	5.34	20.5	.962	.336	.320	.261	.507	.289	9	1.10	0	0	C	0	1.39	30.3	*	*	*	11.0	.434
10	*	*	*	.721	4.50	30.8	.813	.184	.353	.444	.404	.320	10	1.10	0	0	0	0	7.27	22.6	*	*	*	10.3	.364
11	*	*	*	.541	2.50	34.1	.615	.289	.353	.354	.364	.320	11	1.34	J	0	0	11.9	10.3	17.1	*	*	*	12.5	.307
12	*	*	*	.348	4.70	39.7	.541	.289	.353	.626	.345	.353	12	1.34	0	0	C	9.04	9.94	18.4	14.3	*	*	10.8	.251
13	*	*	*	1.07	3.97	49.6	.326	.184	.353	3.50	.215	.353	13	1.41	0	0	0	1.96	9.59	22.0	11.8	*	*	5.32	.215
14	*	*	.290	1.07	3.40	52.2	2.56	.370	.353	5.05	.154	.387	14	1.41	J	0	0	.913	9.54	26.0	9.17	*	*	2.96	.189
15	*	*	.027	1.14	7.75	51.6	1.53	.423	.353	1.96	.164	.387	15	1.46	0	0	0	.486	10.1	27.9	7.95	*	*	2.43	.154
16	*	*	.047	11.3	12.7	50.4	.967	.423	.387	1.19	-.104	.423	16	1.55	0	0	C	.566	9.37	33.7	9.26	*	*	1.95	.137
17	*	*	.136	20.3	11.0	46.4	.507	.423	.387	.899	.164	.423	17	1.55	J	0	0	9.29	10.1	46.6	16.3	*	*	2.02	.129
18	*	*	.245	8.56	8.87	30.5	.375	.461	.387	1.06	.051	.423	18	1.62	0	0	0	5.70	9.14	56.3	12.3	*	13.6	2.28	.112
19	*	*	.289	7.81	16.3	24.8	.568	.500	.423	2.44	.024	.423	19	1.69	0	0	C	6.23	8.02	55.3	10.7	*	12.9	1.80	-.104
20	*	*	.336	8.61	25.8	17.6	.674	.500	.212	4.40	.004	.461	20	1.77	0	0	0	6.90	8.09	51.8	15.6	*	12.8	1.30	.080
21	*	*	.370	25.3	29.2	12.7	.451	.541	.029	3.80	-.002	.461	21	1.92	0	0	0	7.53	13.2	50.9	*	*	16.1	1.21	.072
22	*	*	.336	33.6	27.3	8.03	.604	.541	.252	7.65	.010	.500	22	0	0	0	0	3.81	22.6	47.3	*	*	*	1.04	.051
23	*	*	.387	36.7	18.9	10.2	1.29	.583	2.12	4.66	.029	.500	23	0	J	J	0	3.25	32.2	47.0	*	*	*	.874	.045
24	*	*	.405	39.9	20.1	12.3	.755	.583	2.43	3.13	.045	.541	24	0	0	0	0	1.68	37.5	46.4	*	*	*	.718	.039
25	*	*	.442	37.7	21.1	10.7	.593	.583	4.07	3.76	.080	.583	25	0	0	0	0	.949	39.7	50.7	*	*	*	.671	-.029
26	*	*	.480	32.3	13.8	5.78	.404	.583	3.20	2.51	.097	.583	26	0	0	0	0	.813	42.3	62.5	15.9	*	16.7	.593	.020
27	*	*	.520	28.2	7.16	3.97	.190	.583	6.73	1.88	.115	.627	27	0	0	0	0	1.80	42.2	60.1	11.7	*	15.8	.549	.013
28	*	*	.415	17.9	4.04	5.50	.180	.583	6.33	3.13	.093	.627	28	0	0	0	0	1.18	39.8	62.7	13.1	*	13.9	.465	.013
29	*	=	.304	10.7	3.07	7.69	.156	.583	4.25	1.92	.002	.673	29	0	=	0	0	.753	30.7	*	*	*	11.5	.444	.005
30	*	=	.353	5.45	2.17	9.13	.018	.583	2.14	1.34	.021	.673	30	0	=	0	0	.475	17.3	*	*	*	9.90	.424	.001
31	*	=	.387	=	1.99	=	.058	.583	=	.962	=	.720	31	0	=	0	=	.954	=	*	*	=	11.5	=	.001
MOY	*	*	*	11.1	10.4	24.8	1.44	.405	1.34	2.07	.604	.394	MOY	.247	J	J	J	2.46	17.9	*	*	*	*	*	.235
DEBIT MINI				0.001	DATE 1ERE OBSERVATION			1 AOU					DEBIT MINI				0.0	DATE 1ERE OBSERVATION			22 JAN				
DEBIT MAXI				52.2	DATE 1ERE OBSERVATION			14 JUN					DEBIT MAXI				62.7	DATE 1ERE OBSERVATION			28 JUL				

GENERALITES :

- Superficie du bassin versant : 1 812 km²
- Coordonnées de la station : 6°32'N - 1°00'E
- Cote du zéro de l'échelle : 52.915 (IGN)
- Amplitude de l'échelle : 0 à 7 m
- Accès : Pont de la route
TSEVIE-KPEDJI
- Date de création : 2.8.1953
- Cadence des relevés : 2 lectures par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 46
- Maximum jaugé : H = 5.23-5.19 m
Q = 83.2 m³/s
Date = 17.10.63
- Nombre de tarages utilisés pour la
période 71-79 : 1
- Dernière courbe d'étalonnage utilisée :
. valide du 1.1.63 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,35 A 0,90	3.2279	1.2141	0.150
0,80 A 1,60	3.7500	4.3750	1.35
1,60 A 1,90	10.000	10.167	7.25
1,90 A 2,50	4.4445	16.000	11.2
2,50 A 4,00	0.0889	21.133	22.4
4,00 A 5,40	1.9388	21.786	54.3
5,40 A 7,00	1.2500	25.750	88.6

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1953	/	*	*	*	*	*	*	/
1954
1955
1956
1957	/
1958
1959
1960	/	/	/
1961	.	.	*
1962
1963	.	.	.	/	/	/	.	.	.	/	.	/
1964	/	/
1965	.	*	*	/
1966
1967
1968	/	/	/	/	/	.	.
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979

- . signifie mois complet
- / signifie mois incomplet
- * signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

STATION NUMERO 47342205

ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
- . + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.427	.342	.373	1.42	.655	1.02	4.24	14.8	9.35	35.1	1.53	.713
2	.405	.323	.295	1.19	.587	1.56	2.74	17.1	7.73	27.6	1.39	1.23
3	.538	.323	.285	1.13	.728	1.10	1.91	23.1	8.26	22.7	1.44	1.49
4	.510	.304	.510	1.10	.656	.805	1.65	32.6	8.93	18.8	1.31	1.70
5	.653	.323	.614	1.01	.713	.806	1.48	29.8	9.00	15.6	1.31	1.58
6	.728	.304	.548	1.51	.658	.853	1.27	22.2	9.13	14.1	1.23	1.59
7	.600	.285	.450	1.19	.661	1.06	1.29	15.9	8.07	11.8	1.19	1.55
8	.510	.268	.384	1.04	.485	1.17	2.39	15.0	8.55	11.2	1.11	1.58
9	.461	.285	.313	.902	.473	1.25	2.15	15.3	8.68	15.7	1.08	1.60
10	.416	.285	.383	.789	.450	1.15	2.01	14.9	9.41	21.8	1.01	1.31
11	.405	.304	.473	1.51	.427	.989	1.80	14.5	9.83	22.2	.970	1.25
12	.383	.342	.497	1.74	.436	.805	1.70	13.1	11.4	23.1	.936	1.39
13	.373	.251	.587	1.99	.416	3.83	1.77	20.3	10.1	12.5	.970	1.83
14	.342	.251	.574	1.75	.353	3.78	1.80	23.6	12.0	9.55	.936	1.75
15	.342	.251	.775	1.46	.478	2.93	1.55	17.4	18.7	8.55	.902	1.35
16	.342	.323	.642	1.25	1.64	4.44	7.68	24.9	42.4	7.57	.902	1.19
17	.323	.243	.498	1.26	.953	3.82	8.68	26.9	40.3	6.20	.853	1.06
18	.332	.243	.575	1.44	.713	2.77	19.1	20.4	39.4	5.33	.837	.936
19	.323	.243	.614	1.23	.535	2.29	65.6	17.3	44.9	4.56	.821	.853
20	.304	.243	.535	1.06	.535	2.77	125.	20.5	44.3	4.04	.774	1.12
21	.313	.362	.450	.971	.498	2.38	106.	23.1	41.7	3.74	.758	1.29
22	.323	.304	.516	.886	1.17	1.80	63.4	21.6	48.2	4.04	.838	1.29
23	.323	.268	2.93	.789	1.63	1.75	43.2	16.7	38.9	4.28	1.19	.973
24	.304	.227	1.88	.774	1.15	2.62	38.8	18.0	36.2	3.59	1.37	.698
25	.332	.204	2.62	.789	.903	1.93	32.0	22.5	29.0	2.80	1.16	.627
26	.681	.277	4.16	1.17	.821	2.29	24.3	29.0	39.6	2.41	.853	.600
27	.759	.251	3.77	1.10	.698	2.04	16.7	33.7	69.8	2.06	.774	.587
28	.587	.271	3.21	.972	.600	3.04	12.2	28.4	67.3	1.93	.805	.560
29	.473	=	3.20	.821	.535	2.84	12.9	20.3	48.5	1.77	.837	.547
30	.427	=	2.41	.684	.461	5.51	44.0	14.7	42.8	1.70	.729	.535
31	.362	=	1.80	=	.427	=	20.1	12.1	=	1.60	=	.522
MOY	.445	.282	1.19	1.16	.672	2.18	21.6	20.6	27.4	10.6	1.03	1.14
DEBIT MINI				0.204								
DATE 1ERE OBSERVATION												
25 FEV												
DEBIT MAXI				125.								
DATE 1ERE OBSERVATION												
20 JUL												
DEBIT MOYEN ANNUEL												
7.41 M3/S												

TCGO LAC TCGO SIO KPEDJI
 STATION NUMERO 47342205
 ANNEE 1972

DEBITS MOYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.497	.442	.548	.450	1.88	20.0	5.83	15.9	3.21	2.15	1.65	.535
2	.497	.406	.510	.416	7.36	75.2	5.93	20.4	2.38	2.46	1.51	.522
3	.497	.323	.438	.373	3.20	41.6	5.46	21.8	2.32	2.26	1.33	.522
4	.473	.313	.502	.405	16.0	40.6	5.24	18.5	2.38	2.44	1.27	.535
5	.473	.332	.698	.450	15.7	49.6	5.69	14.4	2.27	2.93	1.21	.660
6	.450	.285	.743	1.04	4.32	64.1	5.96	12.7	2.65	3.11	1.13	.614
7	.450	.268	.750	.790	2.88	43.9	5.88	10.9	2.01	3.21	1.15	.522
8	.450	.304	.714	1.08	6.21	36.6	5.47	8.54	2.62	2.35	1.31	.473
9	.461	.362	.548	1.78	2.96	31.2	4.16	7.52	3.13	1.90	1.29	.510
10	.427	.295	.473	2.37	1.85	37.2	3.85	6.84	5.64	1.75	1.21	.713
11	.450	.342	.416	3.57	3.21	25.5	3.66	6.06	6.15	1.55	1.01	.656
12	.427	.332	.405	3.74	3.28	21.7	3.31	5.06	5.73	2.06	.936	.535
13	.416	.285	.442	2.38	5.55	19.0	5.10	4.72	4.85	2.35	.920	.473
14	.555	.268	.535	1.63	4.00	12.5	5.46	4.68	4.24	1.96	.853	.473
15	.614	.268	.575	1.88	3.55	9.91	6.06	4.00	3.77	1.67	1.19	.498
16	.522	.243	.450	2.20	2.97	10.1	7.91	3.24	3.48	1.60	.970	.438
17	.473	.364	.394	1.70	4.26	15.1	8.43	2.87	3.27	1.60	.855	.461
18	.461	.384	.442	1.39	4.36	26.9	6.50	2.93	2.65	1.58	.805	.405
19	.936	.405	.523	1.58	8.34	25.6	5.06	2.55	2.20	1.53	.759	.373
20	.903	.363	.427	2.72	6.17	18.0	4.81	2.23	1.98	1.77	.789	.363
21	.575	.277	.522	3.46	6.87	13.0	5.37	2.20	1.88	2.02	.684	.362
22	.461	.251	1.65	4.23	5.78	9.63	4.89	3.18	2.76	2.46	.799	.363
23	.902	.243	1.40	5.29	5.83	8.31	4.52	3.12	4.17	3.03	.746	.373
24	.886	.251	1.15	4.65	3.78	8.74	4.52	3.59	4.20	3.41	.600	.394
25	.575	.256	1.08	4.89	4.39	13.0	4.24	3.48	3.07	3.85	.573	.394
26	.405	.743	.886	4.00	9.87	17.2	4.12	3.70	2.41	2.90	.614	.363
27	.362	.549	.743	3.27	8.07	15.4	5.17	3.10	2.04	2.65	.614	.394
28	.362	.405	.670	3.39	7.17	12.8	7.05	3.59	1.85	2.41	.587	.384
29	.323	.406	1.13	3.31	4.98	11.3	7.73	2.57	1.80	2.97	.628	.373
30	.332	=	.657	2.29	5.38	7.58	8.62	2.93	1.70	2.38	.522	.427
31	.304	=	.522	=	6.75	=	11.7	2.77	=	1.96	=	.450

MOY .514 .345 .679 2.36 5.71 24.7 5.73 6.80 3.09 2.33 .951 .470
 DEBIT MINI 0.243 DATE IERE OBSERVATION 16 FEV
 DEBIT MAXI 75.2 DATE IERE OBSERVATION 2 JUN
 DEBIT MOYEN ANNEEL 4.46 M3/S

TGGO LAC TGGO SIO KPEDJI
 STATION NUMERO 47342205
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.549	.176	.151	.369	1.08	.145	7.44	.739	18.9	21.1	12.3	.821
2	.510	.189	.156	1.27	2.49	.176	10.4	1.57	21.0	17.2	8.56	.805
3	.405	.176	.116	.702	1.78	.122	9.62	1.29	23.0	16.3	8.37	.743
4	.495	.169	.093	.474	1.37	.102	10.6	1.19	21.9	17.6	7.52	.713
5	.655	.150	.085	.333	1.38	.177	11.9	6.99	16.0	17.2	7.05	.713
6	.535	.150	.077	.235	.623	.204	7.76	4.37	14.8	15.1	5.92	.713
7	.416	.144	.077	.176	.600	.227	4.53	3.24	18.7	14.8	5.15	.698
8	.362	.144	.081	.150	.587	.343	3.17	4.11	39.2	15.6	4.68	.670
9	.342	.144	.064	.150	.627	.561	2.62	5.01	28.3	14.6	4.27	.670
10	.373	.156	.061	.234	.600	.450	2.46	14.5	21.3	13.0	3.92	.627
11	.416	.197	.056	.657	.548	.485	2.01	11.6	67.6	12.7	3.59	.656
12	.589	.204	.051	.866	.438	.561	1.46	12.8	37.2	12.3	3.45	.685
13	.600	.204	.049	.874	.352	.574	1.19	12.9	24.2	13.0	3.24	.684
14	.560	.219	.043	.838	.313	.473	1.08	12.9	39.2	16.6	3.10	.732
15	.473	.169	.042	.535	.277	.394	1.11	12.8	22.8	15.2	2.90	.853
16	.394	.150	.038	.384	.227	.487	1.37	11.7	18.4	11.7	2.68	.837
17	.342	.150	.039	.323	.243	4.16	1.06	8.34	23.8	8.75	2.04	.919
18	.342	.150	.038	.268	.268	2.33	.869	6.16	44.6	7.57	1.72	.790
19	.304	.156	.036	.251	.251	1.42	.743	8.36	45.0	6.50	1.60	.698
20	.304	.133	.036	.157	.243	1.04	.641	10.7	37.1	5.64	1.51	.670
21	.285	.116	.036	.176	.315	.774	.587	10.1	35.6	5.06	1.39	.655
22	.285	.122	.036	.176	.342	.656	.522	10.2	39.3	4.24	1.31	.627
23	.268	.102	.036	.163	.333	.600	.485	10.5	33.2	3.66	1.25	.600
24	.268	.122	.036	.165	.215	.560	.461	14.6	109.	3.70	1.19	.560
25	.251	.139	.036	.406	.197	.473	.535	13.6	75.8	4.39	1.15	.535
26	.234	.189	.100	.498	.165	8.77	.587	13.9	48.1	4.68	1.10	.535
27	.219	.176	.170	.729	.133	6.21	.485	13.4	46.9	6.45	1.02	.522
28	.204	.150	.117	.978	.112	7.85	.383	13.1	42.7	8.27	.988	.522
29	.204	=	.151	1.65	.156	4.94	.394	13.9	33.9	11.5	.919	.614
30	.189	=	.182	1.29	.204	3.59	.373	15.8	25.9	13.9	.869	.535
31	.189	=	.156	=	.176	=	.352	17.7	=	14.8	=	.497

MOY .373 .159 .079 .525 .544 1.63 2.81 9.62 35.8 11.4 3.49 .674
 DEBIT MINI 0.036 DATE IERE OBSERVATION 25 MAR
 DEBIT MAXI 109. DATE IERE OBSERVATION 24 SEP
 DEBIT MOYEN ANNEEL 5.58 M3/S

STATION NUMERO 47342205												STATION NUMERO 47342205													
ANNEE 1974												ANNEE 1975													
CEBITS MOYENS JOURNALIERS EN M3/S												CEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.497	.268	.199	.255	.368	2.81	7.91	18.8	6.95	30.0	6.25	1.15	1	.743	.285	.332	.699	14.2	1.76	7.86	4.98	1.96	32.1	8.56	3.89
2	.473	.268	.176	.259	.343	2.38	5.83	18.8	10.9	43.4	5.87	1.11	2	.655	.268	.304	.573	11.7	4.08	5.87	6.90	1.80	29.8	7.20	5.24
3	.497	.251	.157	.251	4.76	3.75	4.52	17.7	13.6	41.7	6.30	1.11	3	.627	.268	.304	.702	11.3	3.21	4.56	8.62	1.77	28.1	6.25	4.28
4	.473	.251	.192	.345	19.3	1.61	5.96	14.1	12.6	37.1	6.16	1.31	4	.627	.259	.295	.670	11.7	2.09	3.67	9.90	2.12	26.8	5.73	3.63
5	.450	.219	.176	.909	7.12	1.13	4.77	9.78	9.49	37.9	4.85	1.31	5	.522	.243	.285	.702	8.61	1.72	2.97	11.9	2.38	23.1	5.06	3.20
6	.497	.234	.182	.823	6.06	1.65	3.66	6.50	9.80	33.3	5.37	1.11	6	.522	.243	.286	.865	8.02	1.93	8.47	13.7	2.59	18.1	4.40	3.13
7	.473	.219	.189	.547	7.86	43.8	3.24	5.15	11.0	27.8	6.20	1.04	7	.497	.268	.277	.670	10.2	1.60	11.0	17.1	2.74	14.0	3.89	2.97
8	.473	.234	.176	.645	7.95	10.5	7.45	3.93	9.27	23.8	4.98	.936	8	.497	.286	.268	.743	12.8	1.44	14.3	18.6	2.71	11.5	3.48	2.62
9	.427	.204	.156	.535	4.20	6.55	10.6	3.63	9.55	21.7	4.44	.869	9	.473	.394	.285	.684	12.8	1.73	19.7	16.6	2.68	8.56	3.45	2.15
10	.427	.204	.170	.405	3.31	28.7	7.41	3.52	10.9	23.9	4.00	.837	10	.497	.439	.268	1.05	12.2	3.08	13.5	15.2	5.94	9.35	3.34	1.85
11	.405	.204	.295	.547	2.84	34.4	8.62	7.64	13.3	48.4	3.56	.869	11	.547	1.38	.243	1.12	10.7	6.00	12.8	14.4	8.77	12.3	3.07	1.63
12	.383	.204	.277	.473	1.96	11.6	9.91	5.18	15.8	22.4	3.07	.902	12	.522	1.27	.227	.853	9.55	8.25	15.2	12.8	13.4	14.9	2.80	1.48
13	.362	.285	.394	.373	1.63	30.3	12.6	5.77	18.7	15.9	2.93	.837	13	.473	1.63	.288	.729	6.60	8.38	34.5	11.1	21.7	19.5	3.23	1.37
14	.362	.285	.481	.332	1.33	19.4	14.0	8.08	23.6	17.3	3.10	.837	14	.450	1.11	.342	.656	5.19	14.3	38.7	9.54	28.3	26.8	3.97	1.29
15	.342	.473	.497	.256	1.19	19.5	13.4	9.00	27.1	16.7	3.78	.837	15	.450	.729	.352	.616	4.94	13.4	53.9	9.97	25.7	39.9	3.20	1.33
16	.342	.342	.485	.251	1.19	12.4	12.2	7.75	22.2	17.5	3.03	.805	16	.450	.600	.342	.808	3.56	12.7	49.4	10.0	24.1	37.2	2.87	1.44
17	.323	.334	.435	.234	.953	9.62	10.3	5.74	17.7	27.4	2.71	.774	17	.450	.535	.268	3.19	4.31	12.0	54.6	8.43	25.0	28.1	2.94	1.39
18	.323	.268	.578	.314	.837	5.87	9.41	4.85	29.1	20.6	2.52	.774	18	.450	.473	.243	6.16	3.20	10.7	47.6	7.00	26.0	20.6	5.64	1.23
19	.304	.251	.554	.352	.903	5.15	7.84	4.85	26.9	17.4	2.29	1.01	19	.427	.438	.416	6.99	2.74	7.05	36.9	5.97	30.3	17.4	5.73	1.15
20	.323	.304	.886	.277	1.10	6.64	6.69	4.16	15.1	14.1	1.96	.743	20	.427	.512	.850	7.36	2.65	5.15	28.9	5.19	37.4	20.6	5.02	1.10
21	.304	.219	.699	.279	.902	7.15	8.32	3.63	13.0	11.5	1.75	.713	21	.405	.728	.774	8.13	2.23	5.93	27.2	4.56	32.5	38.1	4.94	1.06
22	.304	.204	.561	.296	1.04	6.25	11.0	3.17	14.1	8.88	1.65	.743	22	.383	.656	.698	10.1	1.93	7.10	34.7	4.08	26.3	61.7	3.63	1.08
23	.285	.219	.427	.227	1.46	4.98	10.8	2.80	19.2	7.30	1.90	.743	23	.383	.600	.302	13.4	1.63	8.19	28.6	3.77	24.1	53.7	3.00	1.01
24	.268	.234	.495	.251	3.35	4.28	10.8	2.74	28.4	6.16	1.96	.774	24	.362	.574	1.46	16.4	1.51	7.91	23.7	3.92	23.9	42.6	2.71	1.01
25	.304	.268	.562	.243	1.21	5.24	11.2	3.07	33.2	5.50	1.51	.774	25	.362	.461	1.58	19.7	1.78	6.35	18.2	3.59	33.6	35.4	2.65	.953
26	.362	.234	.373	.259	.971	4.73	13.0	3.93	41.1	6.70	1.33	.936	26	.342	.485	1.60	19.2	2.71	5.51	13.7	3.38	72.7	30.0	2.52	.953
27	.304	.219	.560	.219	2.09	33.2	12.3	5.02	31.5	8.50	1.29	.837	27	.362	.439	1.38	15.9	1.78	4.36	12.3	3.10	85.1	23.4	2.35	.954
28	.285	.189	.462	.450	41.7	39.3	13.7	5.42	30.8	10.4	1.21	.774	28	.362	.373	.926	12.8	1.70	5.62	9.42	2.50	62.4	17.5	1.93	1.17
29	.268	=	.428	.394	6.37	11.1	11.1	5.69	28.4	11.6	1.27	.837	29	.304	=	1.01	13.7	1.56	9.07	7.31	2.74	43.1	12.8	1.98	1.56
30	.251	=	.462	.323	1.88	7.95	18.1	5.37	26.1	10.9	1.33	.743	30	.285	=	.853	16.4	1.42	9.31	6.16	2.59	35.0	10.9	3.38	1.58
31	.268	=	.363	=	1.49	=	21.9	5.50	=	7.47	=	.774	31	.268	=	.790	=	1.25	=	5.28	2.35	=	10.4	=	1.25
MCY	.366	.252	.414	.379	4.44	12.7	9.95	6.83	19.3	20.4	3.29	.898	MCY	.456	.570	.586	6.05	6.03	6.29	21.0	8.22	23.5	25.0	3.96	1.90
DEBIT MINI 0.156 DATE 1ERE OBSERVATION 9 MAR												DEBIT MINI 0.227 DATE 1ERE OBSERVATION 12 MAR													
DEBIT MAXI 48.4 DATE 1ERE OBSERVATION 11 OCT												DEBIT MAXI 65.1 DATE 1ERE OBSERVATION 27 SEP													
DEBIT MOYEN ANNUEL 6.63 M3/S												DEBIT MOYEN ANNUEL 8.69 M3/S													

TUGO LAC TUGO SIO KPECJI
 STATION NUMERO 47342205
 ANNEE 1976

DEBITS MJYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL ACU SEP OCT NOV DEC

1	1.10	.522	.684	1.40	.485	1.15	11.1	1.35	3.89	9.11	11.8	1.77
2	1.02	.510	.614	1.49	.954	.902	8.00	1.21	3.41	13.3	12.2	1.53
3	.988	.535	.573	1.17	1.03	.821	5.88	1.11	2.84	17.3	13.0	1.44
4	.936	.535	.560	1.01	.659	.743	4.36	1.04	2.38	18.6	14.3	1.31
5	.919	.522	.522	1.58	.548	.684	3.56	.954	1.93	17.1	16.2	1.27
6	.902	.510	.485	1.58	.485	.684	2.94	.837	1.63	15.8	17.1	1.23
7	.886	.537	.473	1.44	.438	.656	5.89	.789	1.46	15.8	13.9	1.15
8	.821	.485	.461	1.19	.571	.628	7.15	.728	1.93	19.2	11.1	1.11
9	.789	.988	.473	.965	.687	.535	4.78	.758	5.02	22.2	10.4	1.08
10	.743	.395	.510	.502	.657	.461	3.34	.758	3.97	20.0	12.6	1.01
11	.839	.821	.473	.774	.587	.438	2.65	.698	3.07	15.0	15.8	1.01
12	.869	.982	.498	.684	.473	.416	2.04	.641	2.59	11.9	18.8	.936
13	.821	1.19	.510	.627	.438	.394	1.72	.656	2.04	8.33	18.2	1.04
14	.821	1.01	.486	.713	.537	4.07	1.48	.614	1.65	6.69	14.9	1.01
15	.902	.853	.776	.839	.657	6.21	1.33	.600	1.46	5.92	13.2	1.01
16	.821	.937	.936	.758	.498	4.78	1.25	.573	1.33	11.4	12.4	.902
17	.837	.902	.774	.933	.438	5.62	1.17	.600	1.33	9.97	10.0	.805
18	.774	.789	1.25	1.02	.394	15.1	1.11	.627	1.25	10.6	7.47	.774
19	.743	.743	2.71	.953	.416	11.3	1.08	3.33	1.53	11.8	5.87	.821
20	.713	.670	2.27	.805	.461	13.9	1.02	5.40	2.50	12.7	4.89	.821
21	.684	.656	1.99	.978	.416	16.8	.971	7.73	6.30	11.5	4.20	.805
22	.713	.684	4.35	.972	.405	14.3	.971	7.91	6.74	10.4	4.95	.743
23	.655	1.53	4.99	.774	.416	8.95	1.04	5.34	6.79	11.7	3.63	.870
24	.627	2.04	5.59	.694	.614	7.91	1.02	4.32	7.57	13.1	3.27	1.06
25	.573	1.56	5.78	.614	.806	24.4	1.17	6.07	7.36	14.5	2.90	1.06
26	.547	1.19	5.78	.573	1.37	10.0	.971	7.25	6.16	15.6	2.62	1.19
27	.522	1.01	4.24	.548	1.63	13.8	.886	6.02	5.69	14.2	2.04	1.04
28	.522	.936	3.42	.485	.955	22.3	.886	6.40	5.37	12.9	2.12	.919
29	.497	.774	2.35	.473	.902	17.7	.902	7.20	4.77	13.2	1.96	.869
30	.457	=	1.63	.498	1.20	14.7	2.04	5.60	6.75	12.9	1.93	.789
31	.522	=	1.33	=	1.56	=	1.60	4.44	=	12.6	=	.713
MOY	.761	.866	1.85	.915	.713	7.35	2.72	2.95	3.69	13.4	9.46	1.03

DEBIT MINI 0.394 DATE IERE OBSERVATION 18 MAI
 DEBIT MAXI 24.4 DATE IERE OBSERVATION 25 JUN
 DEBIT MOYEN ANNUEL 3.81 M3/S

TUGO LAC TUGO SIO KPECJI
 STATION NUMERO 47342205
 ANNEE 1977

DEBITS MJYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.713	.522	.323	.394	.837	.614	.573	.744	.473	3.17	3.07	.438
2	.684	.437	.342	.352	.699	.510	.535	.548	.485	2.40	2.59	.535
3	.713	.497	.304	.295	.535	.461	.510	.461	.405	4.09	2.32	.485
4	.713	.522	.304	.251	.473	.485	.427	.405	.406	5.69	2.06	.461
5	1.01	.522	.342	.243	.500	.416	.394	.352	.485	6.20	1.90	.427
6	.936	.573	.268	.243	.522	.416	.383	.323	.427	6.30	1.75	.427
7	.837	.522	.251	.227	.473	.394	.373	.295	.428	6.79	1.67	.405
8	.774	.600	.234	.304	.473	.373	.362	.268	.670	7.85	1.39	.394
9	.805	.522	.234	.259	.485	.332	.352	.251	.758	9.20	1.27	.383
10	.774	.473	.251	.251	.427	.313	.332	.234	1.39	8.25	1.33	.383
11	.684	.450	.234	.295	.352	.268	.323	.234	1.04	8.13	1.13	.373
12	.655	.427	.234	.305	.332	.251	.342	.251	.919	19.7	1.02	.485
13	.627	.405	.204	.285	.304	.268	.323	.227	.775	26.2	.936	.438
14	.600	.383	.189	.277	.313	.251	.313	.204	.895	22.9	.902	.416
15	.600	.383	.189	.363	.363	.304	.772	.211	.743	28.6	.837	.416
16	.573	.342	.189	.373	.332	.383	.853	.219	.857	41.2	.805	.498
17	.600	.332	.197	.313	.420	.427	.670	.211	1.46	46.3	.789	.547
18	.614	.313	.182	.259	.439	.498	.560	.204	1.37	34.7	.713	.497
19	.657	.313	.176	.259	.373	.497	.510	.227	1.65	26.9	.713	.450
20	.684	.332	.176	.285	.323	.600	.473	.219	2.59	21.7	.656	.427
21	.587	.323	.189	.266	.363	.627	.438	.251	3.48	16.7	.614	.405
22	.573	.422	.169	.363	.342	.628	.394	.277	3.04	14.7	.573	.383
23	.573	.440	.162	.323	.352	.954	.373	.285	2.41	15.5	.547	.383
24	.547	.323	.169	.342	.304	.954	.342	.259	3.45	43.2	.547	.362
25	1.15	.323	.222	.373	.473	1.11	.313	.227	4.16	24.1	.547	.342
26	.954	.405	.347	.535	.416	1.06	.304	.227	3.07	21.3	.522	.323
27	.774	.342	.614	.635	.473	.853	.295	.211	2.46	14.4	.497	.304
28	.656	.304	.522	.805	.427	.699	.304	.189	2.29	7.89	.473	.304
29	.587	=	.527	.821	.362	.627	.313	.197	2.65	5.55	.450	.285
30	.547	=	.614	.821	.467	.560	.323	.190	3.13	4.52	.450	.285
31	.522	=	.485	=	.713	=	.574	.235	=	3.70	=	.268
MOY	.701	.422	.285	.371	.442	.538	.429	.280	1.61	16.4	1.10	.404

DEBIT MINI 0.162 DATE IERE OBSERVATION 23 MAR
 DEBIT MAXI 46.3 DATE IERE OBSERVATION 17 OCT
 DEBIT MOYEN ANNUEL 1.94 M3/S

STATION NUMERO 47342205														
ANNEE 1978														
DEBITS MOYENS JOURNALIERS EN M3/S														
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC			
1	.268	.405	.438	.535	2.43	1.33	8.62	2.55	.837	24.5	11.3	1.19		
2	.251	.323	.405	.535	2.38	1.33	5.13	2.35	.789	20.3	9.68	1.15		
3	.251	.268	.478	.862	5.06	6.40	5.34	2.01	.758	15.4	10.4	1.15		
4	.234	.251	.574	.989	8.16	11.1	9.07	1.77	.821	13.4	12.5	1.08		
5	.234	.234	.743	.821	13.1	19.2	7.57	1.60	1.17	14.8	13.5	1.10		
6	.251	.227	.614	.670	19.5	20.0	5.92	1.46	1.08	16.9	12.7	1.08		
7	.234	.204	.547	.600	18.2	22.1	4.56	1.39	.837	16.8	10.1	1.02		
8	.231	.189	.567	.876	5.28	17.4	3.70	1.33	.743	14.5	7.97	.970		
9	.251	.189	.716	1.35	5.78	13.7	3.38	1.25	.857	13.0	6.30	.988		
10	.234	.189	.548	1.54	4.85	13.2	5.02	1.17	1.35	10.6	5.50	1.02		
11	.234	.234	.671	1.85	4.28	14.8	3.97	1.10	1.17	9.34	4.81	1.02		
12	.234	.189	.670	1.72	3.55	16.3	3.13	1.39	1.08	9.34	4.31	1.08		
13	.234	.176	.587	2.89	3.48	21.9	4.27	1.46	1.41	9.54	4.04	1.04		
14	.234	.176	.574	3.63	3.38	35.3	3.52	1.21	1.80	9.34	3.77	.953		
15	.234	.162	.498	2.38	2.65	42.9	2.97	1.23	1.40	8.43	3.27	.869		
16	.234	.207	2.15	1.73	2.53	35.2	2.62	1.17	1.17	6.90	2.87	.837		
17	.251	.343	3.07	3.62	2.77	26.5	2.43	1.06	1.10	5.51	2.55	.805		
18	.234	.373	2.26	5.56	2.43	20.2	3.10	.970	1.63	5.46	2.35	.789		
19	.251	.304	1.68	6.20	3.70	12.6	2.65	.919	1.51	7.46	2.12	.758		
20	.234	.377	1.39	5.76	6.71	9.49	3.24	.992	1.42	9.21	1.96	.743		
21	.234	.416	1.19	4.28	5.56	7.10	4.99	1.10	1.54	8.49	1.85	.743		
22	.251	.383	1.11	4.16	7.56	5.73	6.30	.953	3.36	10.3	1.77	.774		
23	.438	.373	1.10	5.42	4.12	6.25	6.74	1.02	3.74	11.4	2.74	.758		
24	.405	.473	1.02	7.10	3.70	7.51	6.35	1.02	4.40	11.8	2.32	.713		
25	.416	.438	.821	5.70	4.08	7.84	5.15	1.04	6.16	12.2	1.88	.655		
26	.373	.362	1.30	4.31	3.74	7.30	4.32	1.01	8.33	12.6	1.65	.655		
27	.342	.405	1.29	4.23	2.78	7.58	3.74	.936	8.20	13.0	1.48	.684		
28	.323	.450	1.06	4.12	2.52	5.60	3.13	.919	11.5	14.6	1.37	.684		
29	.304	=	.886	3.41	2.09	6.45	3.00	.853	15.4	16.3	1.31	.821		
30	.295	=	.759	2.74	1.72	7.57	2.90	.774	23.1	15.5	1.25	.936		
31	.259	=	.628	=	1.48	=	2.71	.821	=	12.9	=	.921		
MOY	.273	.296	.379	2.99	5.41	14.3	4.76	1.25	3.62	12.2	4.99	.903		
DEBIT MINI			0.162	DATE 1ERE RESERVATION							15	FEV		
DEBIT MAXI			42.5	DATE 1ERE RESERVATION							15	JUN		
DEBIT MOYEN ANNUEL			4.35	M3/S										

STATION NUMERO 47342205														
ANNEE 1979														
DEBITS MOYENS JOURNALIERS EN M3/S														
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC			
1	1.19	.497	.416	.500	.907	19.9	28.4	63.8	13.4	27.3	27.4	2.17		
2	1.04	.437	.384	.762	.953	28.7	20.2	48.1	13.0	29.6	34.1	2.20		
3	.336	.497	.332	.614	1.30	17.5	26.2	46.7	10.5	37.7	28.5	2.01		
4	.837	.601	.313	.628	2.23	56.0	42.7	51.2	14.4	45.8	24.4	2.09		
5	.758	.656	.277	.587	1.70	30.2	41.8	43.9	8.70	51.5	26.5	1.98		
6	.698	.522	.268	.498	1.75	20.0	34.2	33.0	7.20	51.0	19.7	1.80		
7	.684	.485	.268	.782	1.68	15.5	27.2	29.7	7.05	40.0	18.8	1.70		
8	.655	.450	.699	.919	2.55	12.1	21.2	34.4	12.1	42.6	20.6	1.65		
9	.728	.450	1.14	.902	12.1	22.7	16.4	31.4	6.31	73.2	18.3	1.58		
10	.684	.438	.821	.759	13.7	19.9	14.8	25.7	4.93	55.6	14.1	1.51		
11	.684	.405	.641	.614	6.84	12.9	14.8	21.4	5.55	43.0	10.6	1.44		
12	.779	.383	.574	.641	5.82	12.8	48.6	18.6	6.40	36.0	7.48	1.48		
13	.670	.362	.522	.548	6.59	12.8	41.0	14.9	7.05	30.5	5.78	1.51		
14	.684	.362	.450	.438	22.8	12.7	25.1	11.9	10.3	26.7	4.93	1.46		
15	.775	.373	.461	.352	11.5	10.4	95.2	9.49	14.3	25.8	4.43	1.33		
16	1.13	.362	.427	.363	50.3	25.3	63.5	8.62	22.8	31.3	5.12	1.31		
17	.971	.332	.427	.332	47.8	17.3	75.8	8.31	37.6	31.1	4.04	1.31		
18	.853	.323	.373	.285	36.7	10.2	99.6	8.19	32.6	27.3	3.74	1.27		
19	.789	.485	.342	.295	31.3	13.2	90.8	11.4	28.0	22.2	3.34	1.27		
20	.743	.473	.304	.259	24.0	41.9	59.4	9.54	22.9	18.2	3.03	1.33		
21	.758	.427	.285	.395	18.3	21.1	45.2	14.3	20.2	17.2	2.68	1.35		
22	.713	.405	.295	.427	17.0	14.5	59.1	18.5	19.8	18.9	2.65	1.31		
23	.670	.670	.285	.467	17.4	25.5	59.1	20.6	57.6	20.1	2.55	1.23		
24	.655	.732	.259	.728	17.7	31.4	74.0	14.4	28.2	21.6	2.71	1.25		
25	.614	.510	.352	.560	18.3	23.1	80.6	11.6	25.3	25.8	2.49	1.29		
26	.587	.427	.522	.714	26.8	20.6	72.9	10.7	41.8	25.4	2.35	1.53		
27	.560	.394	.497	.587	13.9	26.0	55.2	10.4	47.9	20.7	2.12	1.33		
28	.560	.333	.473	.461	7.38	28.5	56.1	10.5	35.3	18.1	2.21	1.27		
29	.573	=	.462	.405	5.24	22.7	48.7	9.22	27.3	16.7	2.44	1.19		
30	.535	=	.500	.461	12.8	15.1	44.2	7.46	24.9	17.5	2.32	1.13		
31	.522	=	.641	=	14.6	=	63.9	9.89	=	28.2	=	1.10		
MOY	.743	.461	.452	.547	15.2	21.4	49.9	21.5	20.4	31.5	10.3	1.50		
DEBIT MINI			0.255	DATE 1ERE RESERVATION							24	MAR		
DEBIT MAXI			99.6	DATE 1ERE RESERVATION							18	JUL		
DEBIT MOYEN ANNUEL			14.6	M3/S										

GENERALITES :

- Superficie du bassin versant : 2 520 km²
- Coordonnées de la station : 6°15'N - 1°10'E
- Cote du zéro de l'échelle : 9.639 (IGN)
- Amplitude de l'échelle : 0 à 6 m
- Accès : Pont de la route
LOME-ATAKPAME
- Date de création : 6.8.61
- Cadence des relevés : 2 lectures par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 111
- Maximum jaugé : H = 4.50 m
Q = 84.9 m³/s
Date = 17.7.64
- Nombre de tarages utilisés pour la
période 71-79 : 5
- Dernière courbe d'étalonnage utilisée :
. valide du 30.8.79 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 1,00	1.4600	0.9300	0.110
1,00 A 2,00	2.7500	3.9000	2.50
2,00 A 2,90	1.0278	9.4639	9.15
2,90 A 3,20	21.667	11.833	18.5
3,20 A 4,00	28.125	25.000	24.0

Remarques : la station a été réinstallée le 16.2.70 sur le pont
nouvellement construit

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1961	/	*	*	*	*	*	*	/	/	.	.	.
1962	.	/
1963
1964	/	.	.
1966	/
1967	.	.	.	/	/	.	.
1968	/	/
1970	/	/	/	.	/	.	.	.
1971	/
1972	/
1973
1974	.	.	/
1975
1976
1977
1978
1979

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TCCO LAC TCGC SIO TCGLEKOPE
STATION NUMERO 47342209
ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
 . + signifie : les hauteurs lues sont supérieures
 à la cote maximale fixée pour
 l'extrapolation de la courbe
 d'étalonnage.

DEBITS MOYENS JOURNALIERS EN M³/S

- COMMENTAIRES :

- Pour les débits supérieurs à 40 m³/s se produit
 d'important débordements difficiles à jauger. La
 traduction hauteur-débit est donc imprécise pour
 les hautes eaux.

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.675	.538	.485	2.35	.675	.648	28.1	25.4	22.3	30.5	2.62	.987
2	.675	.538	.485	2.06	.675	.614	25.0	24.8	21.6	31.5	2.45	.998
3	.675	.512	.503	2.05	.675	.654	22.8	23.6	20.6	31.7	2.04	.935
4	.675	.530	.503	1.57	.567	.628	19.0	23.1	19.1	34.9	1.92	1.05
5	.696	.595	.595	1.02	.557	.689	14.3	22.8	16.6	39.0	1.61	1.19
6	.696	.557	.625	.859	.503	.753	14.1	22.7	14.5	30.9	1.79	1.18
7	.654	.538	.696	.828	.578	.710	13.3	22.6	13.5	28.2	1.73	1.37
8	.654	.538	.696	.805	.625	.703	6.77	17.3	11.6	26.8	1.51	1.42
9	.654	.538	1.03	.859	.538	.731	6.87	19.8	9.64	22.5	1.50	1.31
10	.654	.538	1.03	.535	.538	.724	3.81	19.8	10.2	18.7	1.50	1.21
11	.654	.525	1.17	1.05	.538	.648	3.09	20.2	8.84	17.5	1.48	1.10
12	.730	.520	1.15	1.08	.548	.753	2.88	21.4	8.54	16.9	1.47	1.09
13	1.01	.557	.973	1.01	.576	.782	3.07	23.3	8.22	16.3	1.26	1.09
14	.911	.557	1.08	1.12	.654	.805	3.32	24.5	7.52	15.9	.974	1.10
15	.875	.557	.822	1.10	.675	2.56	3.67	24.2	6.69	19.1	.899	1.10
16	.875	.548	.805	1.24	.751	4.18	4.26	28.9	9.07	18.1	.961	1.08
17	.851	.595	.817	1.20	.851	4.80	4.32	30.1	10.0	17.4	1.02	1.02
18	.851	.595	.851	1.24	.974	4.93	8.16	30.7	11.7	15.5	.923	.985
19	.828	.595	.763	.875	1.42	4.80	13.6	30.7	13.5	15.5	.923	.948
20	.750	.595	.675	1.09	2.72	4.59	19.1	30.2	16.3	14.7	.948	.935
21	.863	.595	.665	1.01	2.66	3.89	19.0	25.6	21.4	14.1	.923	.899
22	.738	.557	.634	.899	2.53	2.62	20.4	24.7	24.4	13.7	.923	.852
23	.728	.538	.707	.899	2.31	2.59	23.2	23.7	25.6	12.8	.899	.794
24	.706	.485	.975	.859	.511	2.58	41.6	21.5	27.6	9.17	.899	.899
25	.728	.485	1.17	.787	.935	2.94	38.3	20.7	28.6	5.03	.923	.842
26	.749	.485	1.37	.675	1.27	4.27	38.0	20.3	28.5	4.45	1.09	.728
27	.738	.485	1.92	.675	.923	4.48	35.7	19.8	29.5	5.15	.974	.675
28	.718	.485	2.38	.675	.911	8.67	34.1	18.4	29.5	3.29	.899	.585
29	.654	=	3.10	.675	.887	17.0	32.1	18.8	28.7	3.26	.899	.548
30	.654	=	3.12	.675	.805	25.7	30.8	19.8	27.6	3.07	.899	.576
31	*	=	3.06	=	.749	=	30.1	21.1	=	2.80	=	.566
MOY	*	.542	1.12	1.08	.985	3.68	18.2	23.2	17.7	17.4	1.29	.970
					DEBIT MINI	0.485		DATE 1ERE OBSERVATION		24 FEV		
					DEBIT MAXI	41.6		DATE 1ERE OBSERVATION		24 JUL		

STATION NUMERO 47342209												
ANNEE 1972												
CEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.875	.515	.668	1.13	3.55	19.4	17.8	6.61	2.72	1.64	2.08	.654
2	.723	.503	.769	.940	3.27	19.8	16.4	7.45	3.48	1.58	1.81	.654
3	.585	.452	.859	.748	3.23	22.4	15.5	8.01	5.38	1.64	1.58	.595
4	.576	.491	.799	.563	4.45	23.7	12.1	8.90	4.58	1.90	1.09	.595
5	.503	.570	.829	.648	5.95	27.0	9.31	9.89	3.13	1.94	1.27	.595
6	.503	.675	.923	.663	7.68	31.8	7.38	11.6	2.68	1.90	1.13	.595
7	.485	.725	1.21	.842	11.1	34.6	7.45	13.1	2.24	2.23	1.08	.576
8	.477	.820	1.92	.966	12.4	35.2	10.0	12.9	2.49	2.31	1.02	.614
9	.444	.883	1.74	.566	13.2	35.1	10.4	12.9	2.20	2.51	1.06	.634
10	.419	.923	1.67	.480	12.9	36.5	9.78	12.6	2.23	2.10	1.02	.595
11	.435	1.09	2.28	.883	11.8	36.0	9.47	10.8	2.54	1.74	1.28	.576
12	.427	1.12	2.34	1.17	11.5	35.7	9.13	9.10	3.44	1.54	1.14	.576
13	.419	1.00	1.80	1.91	10.8	35.3	9.10	7.71	4.10	1.45	1.08	.654
14	.435	.648	.590	3.23	8.64	33.4	9.00	5.68	4.51	1.59	.961	.634
15	.435	.468	.582	3.10	6.16	31.7	8.70	4.26	4.27	1.83	.899	.595
16	.427	.451	1.14	2.82	6.29	29.8	7.79	4.40	3.84	1.73	.817	.576
17	.675	.485	.799	2.86	6.06	27.9	7.00	3.94	3.41	1.43	.771	.595
18	.761	.596	.668	4.14	5.49	22.2	8.32	3.18	3.08	1.40	.960	.595
19	.740	.583	.576	4.54	5.20	20.2	*	2.82	2.83	1.34	.840	.557
20	.557	.551	.595	4.82	5.04	17.7	*	2.62	2.56	1.39	.760	.557
21	.707	.539	.704	4.89	6.04	17.0	*	2.45	2.20	1.29	.717	.557
22	.654	.690	.628	5.18	6.92	17.9	*	2.26	1.97	1.42	.696	.557
23	.576	.983	.576	5.56	7.89	19.6	*	2.43	2.07	1.53	.696	.538
24	.503	1.13	.754	5.75	5.43	19.7	*	2.48	2.50	1.86	.675	.538
25	.503	1.32	1.05	5.71	9.61	19.1	*	2.85	2.88	2.12	.728	.520
26	.485	.574	1.06	6.21	5.05	19.0	*	2.72	3.19	2.45	.696	.538
27	.485	.752	.677	6.58	8.97	19.9	*	2.79	2.75	2.83	.634	.520
28	.578	.497	.649	6.57	10.4	19.5	*	2.92	2.22	2.49	.614	.538
29	.625	.608	.911	6.53	15.9	19.2	*	2.66	1.95	2.24	.634	.538
30	.468	=	1.27	5.90	16.2	18.8	*	3.33	1.76	1.97	.644	.538
31	.468	=	1.44	=	17.4	=	*	3.18	=	1.91	=	.520
MOY	.547	.726	1.06	3.20	6.66	25.5	*	6.08	2.97	1.85	.980	.578

DEBIT MINI 0.415 DATE IERE OESERVATION 10 JAN
 DEBIT MAXI 36.5 DATE IERE OESERVATION 10 JUN

STATION NUMERO 47342209												
ANNEE 1973												
CEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.503	.435	.330	.330	.797	.373	8.56	.503	21.3	41.7	13.1	.828
2	.529	.419	.330	.330	1.17	.388	9.61	.503	20.1	38.3	13.0	.794
3	.529	.403	.358	.330	1.10	.373	8.95	.961	19.4	35.8	13.8	.739
4	.557	.419	.358	.330	1.29	.366	6.93	1.54	19.8	35.0	14.3	.728
5	.586	.403	.358	.330	1.74	.380	12.3	2.03	20.8	33.9	13.8	.686
6	.558	.403	.358	.738	1.51	.344	12.9	2.12	23.1	32.1	12.4	.665
7	.566	.403	.373	.538	1.29	.358	13.7	4.58	25.5	29.7	10.6	.665
8	.624	.388	.330	.485	1.13	.358	14.3	6.04	28.2	26.5	9.15	.624
9	.595	.373	.330	.435	.765	.330	13.8	5.97	29.4	24.5	7.49	.595
10	.548	.373	.330	.419	.634	.330	11.4	5.34	28.6	22.0	6.32	.605
11	.529	.373	.330	.373	.503	.396	7.36	5.34	28.4	20.3	5.59	.567
12	.520	.373	.330	.330	.529	.689	6.20	7.07	29.6	19.6	4.74	.557
13	.485	.358	.330	.330	.494	.842	4.31	9.10	29.6	18.3	4.10	.529
14	.529	.373	.330	.330	.521	.829	2.86	10.1	31.0	17.0	3.74	.760
15	.596	.373	.330	.782	.468	.863	2.10	10.7	33.8	15.8	3.22	.796
16	.576	.358	.330	.805	.403	.852	1.66	11.2	36.5	14.9	2.97	.707
17	.595	.388	.330	.805	.388	.696	1.54	12.4	36.7	14.4	2.79	.718
18	.557	.388	.330	.634	.373	.585	1.53	13.2	35.7	14.5	2.56	.749
19	.557	.373	.330	.451	.373	1.03	1.59	14.5	34.1	14.2	2.14	.728
20	.503	.358	.330	.403	.373	2.39	1.16	13.4	32.2	12.9	1.85	.750
21	.485	.373	.330	.419	.396	2.07	1.10	12.2	30.4	10.7	1.68	.675
22	.503	.388	.330	.373	.388	1.58	1.04	11.1	30.6	9.20	1.53	.614
23	.485	.358	.330	.358	.388	1.61	.887	12.5	32.2	7.59	1.47	.614
24	.485	.358	.330	.388	.388	1.19	.726	13.6	32.9	5.93	1.33	.595
25	.468	.330	.330	.358	.388	1.23	.625	17.2	33.1	6.00	1.24	.576
26	.468	.330	.330	.344	.419	.950	.494	18.7	33.8	9.21	1.17	.566
27	.451	.330	.330	.344	.411	.987	.503	19.2	35.2	9.41	1.09	.520
28	.451	.358	.330	.330	.396	2.58	.485	19.9	39.8	8.09	1.01	.485
29	.435	=	.330	.373	.380	4.58	.529	21.0	42.3	7.58	.948	.494
30	.435	=	.330	.468	.358	5.98	.512	22.0	42.9	7.85	.875	.460
31	.451	=	.330	=	.403	=	.460	22.2	=	10.5	=	.477
MOY	.521	.377	.335	.442	.651	1.18	4.84	10.5	30.6	18.5	5.33	.641

DEBIT MINI 0.330 DATE IERE OESERVATION 25 FEV
 DEBIT MAXI 42.6 DATE IERE OESERVATION 30 SEP
 DEBIT MOYEN ANNUEL 6.17 M3/S

TOGO LAC TCGO SID TOGBLEKOPE
 STATION NUMERO 47342209
 ANNEE 1976

DEBITS MOYENS JOURNALIERS EN M3/S

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	1.64	.899	1.26	2.61	1.06	1.07	13.9	1.10	5.35	4.47	10.3	2.05
2	1.47	.899	1.20	2.20	1.30	1.30	14.5	1.25	4.31	4.75	10.3	1.94
3	1.31	.899	1.06	1.92	2.45	1.26	15.1	.764	3.40	5.76	10.1	1.73
4	1.24	.825	.598	1.55	1.58	1.10	14.4	.711	2.96	6.67	9.90	1.60
5	1.18	.895	.960	1.74	1.58	1.06	13.1	.607	2.54	7.46	9.70	1.47
6	1.10	.875	.960	1.45	1.44	1.06	10.6	.520	2.15	8.02	9.84	1.36
7	1.08	.998	.936	1.67	1.20	1.02	7.33	.555	1.71	8.28	9.87	1.28
8	1.06	.998	.899	1.90	1.05	.964	4.94	.366	1.41	8.68	10.1	1.19
9	1.05	1.09	.863	2.66	1.01	.964	5.04	.315	1.05	8.62	10.5	1.21
10	1.02	1.14	.863	1.61	1.06	.938	6.01	.231	1.42	9.04	10.8	1.12
11	.973	1.09	.875	1.63	1.24	.958	5.92	.247	2.88	9.73	10.8	1.08
12	1.04	1.23	.911	1.42	1.06	.951	4.25	.231	3.17	10.5	10.4	1.07
13	1.10	1.12	1.01	1.30	1.06	.925	3.01	.197	2.68	11.1	10.2	.994
14	1.21	1.12	.748	1.19	1.01	.906	2.44	.197	2.13	11.5	10.2	.887
15	1.15	1.47	.960	1.13	.936	.992	2.01	.197	1.79	11.7	10.3	.941
16	1.10	1.36	.960	1.34	.573	1.64	1.62	.163	1.43	11.1	10.7	.976
17	1.20	1.21	.960	1.34	1.08	3.39	1.30	.163	1.25	9.97	11.3	.887
18	1.19	1.13	1.23	1.56	1.05	4.98	1.07	.103	1.03	8.72	11.4	.994
19	1.17	1.14	1.21	3.08	.924	5.16	.976	.163	.976	8.56	11.2	.834
20	1.16	1.09	1.21	2.14	.841	6.29	.799	.163	.905	8.72	10.4	.746
21	1.09	1.16	2.22	1.63	.840	7.17	.711	.758	1.01	8.78	9.11	.694
22	1.02	1.10	2.43	1.43	.887	7.74	.641	3.15	1.49	8.84	7.21	.746
23	.598	1.09	1.99	1.31	.888	8.12	.555	4.53	3.04	9.40	5.57	.799
24	1.04	.986	3.41	1.47	.882	9.10	.503	5.20	4.18	9.23	5.07	.641
25	1.02	1.28	4.18	1.34	.853	9.47	.572	5.07	4.82	8.94	4.15	.711
26	1.05	1.85	4.80	1.23	1.01	9.84	.520	3.82	5.38	8.91	3.51	.994
27	.973	1.92	5.24	1.17	.978	10.1	.659	4.03	5.73	9.10	3.05	.994
28	.936	1.56	5.53	1.13	1.11	10.8	.486	4.98	5.63	9.17	2.78	1.01
29	.935	1.37	5.24	1.64	1.31	12.4	.366	5.20	5.42	9.94	2.44	.923
30	.923	=	4.37	1.09	1.21	13.3	.383	5.04	5.07	10.2	2.27	.852
31	.895	=	3.36	=	1.05	=	.417	5.54	=	10.4	=	.781

MOY 1.11 1.17 2.04 1.64 1.13 4.50 4.33 1.79 2.88 8.91 8.46 1.08

DEBIT MINI 0.103 DATE 1ERE OBSERVATION 18 AOU

DEBIT MAXI 15.1 DATE 1ERE OBSERVATION 3 JUL

DEBIT MOYEN ANNUEL 3.25 M3/S

TOGO LAC TCGO SID TOGBLEKOPE
 STATION NUMERO 47342209
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.711	.332	.163	.641	.641	.001	.197	.002	.089	3.10	13.6	.264
2	.764	.315	.247	.435	.589	.014	.147	.036	.282	3.62	11.1	.163
3	.764	.332	.157	.366	.469	.014	.133	.018	.413	4.21	8.75	.158
4	.711	.434	.214	.264	.451	.132	.130	.281	.679	4.15	7.33	.264
5	.711	.298	.231	.214	.315	.036	.136	.231	1.07	4.09	6.29	.383
6	.694	.366	.214	.147	.167	.014	.030	.130	.247	5.23	5.01	.175
7	.694	.383	.163	.116	.047	.002	0	.064	.026	6.04	3.76	.167
8	.887	.366	.197	.030	.264	.004	.052	.002	.026	6.89	3.08	.116
9	.816	.400	.231	.019	.214	.036	.027	.002	.030	7.39	2.72	.163
10	.764	.383	.197	.019	.077	.014	.034	.047	.026	7.83	2.23	.197
11	.746	.417	.136	.077	.052	.030	.089	.077	.010	8.31	1.98	.231
12	.676	.366	.214	.389	.116	.054	.010	.089	.367	9.23	2.27	.163
13	.659	.366	.231	.052	.047	.064	.030	.077	.905	9.57	2.09	.197
14	.624	.281	.180	.061	.019	.034	.093	.152	1.07	9.73	1.60	.197
15	.624	.247	.180	.014	.001	.008	.105	.134	.852	9.84	1.30	.197
16	.607	.163	.197	.091	.010	.054	.047	.136	1.12	10.0	1.12	.247
17	.572	.247	.180	.019	.021	.103	.068	.052	1.05	10.3	1.08	.197
18	.572	.180	.163	.026	.047	.170	.136	.030	.923	11.0	1.03	.197
19	.469	.231	.163	.043	.026	.156	.469	.068	.923	12.4	.976	.231
20	.503	.197	.180	.075	.005	.017	.366	.212	1.41	13.6	.852	.400
21	.520	.247	.130	.052	.014	.009	.163	.186	1.60	15.8	.799	.298
22	.624	.214	.089	.052	.014	.004	.091	.052	1.88	17.5	.676	.264
23	.624	.130	.019	.014	.002	.010	.047	.036	2.77	18.0	.607	.231
24	.520	.197	.125	.054	.021	.021	.064	.052	3.48	17.7	.572	.197
25	.468	.264	.264	.019	.026	.030	.019	.030	3.70	16.8	.555	.197
26	.417	.400	.167	.026	.043	.264	.005	.021	3.25	15.6	.367	.197
27	.538	.175	.197	.019	.064	.503	.008	0	3.88	14.9	.434	.163
28	.887	.180	.214	.010	.034	.607	.061	.002	4.47	15.4	.434	.052
29	.729	=	.315	.064	.043	.624	.005	.002	4.15	16.7	.332	.019
30	.659	=	.555	.231	.082	.401	.009	.017	3.43	17.2	.180	.075
31	.537	=	.624	=	.026	=	.043	.027	=	15.9	=	.019

MOY .648 .290 .212 .111 .127 .114 .091 .073 1.47 10.9 2.77 .194

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 7 JUL

DEBIT MAXI 16.0 DATE 1ERE OBSERVATION 23 OCT

DEBIT MOYEN ANNUEL 1.43 M3/S

BASSIN DU MONO

GENERALITES :

- Superficie du bassin versant : 9 952 km²
- Coordonnées de la station : 7°48'N - 1°18'E
- Cote du zéro de l'échelle : 148 (IGN) environ
- Amplitude de l'échelle : 0 à 10 m
- Accès : Route ANIE-IRCT
- Date de création : 2.7.1954
- Cadence des relevés : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 149
- Maximum jaugé : H = 6.94 - 7.02
Q = 617 m³/s
Date = 23.8.68
- Nombre de tarages utilisés pour la période 71-79 : 8
- Dernière courbe d'étalonnage utilisée :
. valide du 16.9.79 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,20	0.0	0.0	0.0
0,20 A 0,40	0.7361	0.0064	0.0
0,40 A 0,60	18.450	0.2850	0.0250
0,60 A 0,80	31.000	7.7000	0.820
0,80 A 2,00	4.8095	20.395	3.60
2,00 A 3,00	25.000	32.500	35.0
3,00 A 4,00	13.000	84.500	92.5
4,00 A 6,00	8.0000	122.00	190
6,00 A 8,00	-1.0000	147.00	466

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1953	/	*	*	*	*	*	*	*	/	/	*	/
1954	/	*	*	*	*	*	/
1955
1956	/	.	.	.
1957
1958
1959
1960
1961
1962	/
1963
1964
1965	/	.	.
1966
1967
1968
1969
1970	.	.	.	/	/	/
1971	/	/	.	.	.
1972
1973
1974
1975
1976
1977	/	/
1978
1979

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TJGC

MONC

MONO

CORREKOPE

STATION NUMERO 47400109

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

- COMMENTAIRES :

Station instable en basses eaux.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.418	.022	0	.418	.280	3.35	3.20	*	111.	69.1	7.71	.869
2	.418	.022	0	.498	.196	2.57	3.52	50.2	116.	70.5	6.90	.723
3	.346	.022	0	.418	.925	2.17	2.37	73.2	163.	61.9	6.13	.655
4	.280	.008	0	.418	.826	3.50	7.28	109.	230.	50.2	5.76	.588
5	.280	.008	0	.418	.512	3.58	8.30	133.	*	44.0	5.21	.525
6	.280	.008	.052	.346	.313	3.21	5.30	148.	277.	53.5	4.51	.525
7	.280	0	.022	.346	.251	3.96	4.20	99.1	300.	72.2	4.18	.465
8	.221	0	.008	1.74	.313	4.87	5.93	83.6	310.	60.6	3.86	.465
9	.221	0	.008	3.96	.631	4.12	5.83	64.9	327.	51.9	3.55	.408
10	.221	0	1.05	3.28	.776	2.99	5.66	59.8	265.	49.6	3.25	.408
11	.221	0	2.33	2.43	.458	2.43	5.31	74.3	221.	50.4	2.97	.306
12	.170	.008	1.24	3.27	.382	2.05	7.57	102.	240.	67.2	2.69	.260
13	.170	.008	.501	2.91	.346	1.68	21.9	111.	196.	56.4	2.43	.260
14	.170	0	.313	3.35	.280	1.57	25.0	103.	171.	46.5	2.18	.260
15	.170	0	.221	2.64	.313	1.40	18.0	116.	255.	39.2	2.06	.260
16	.125	0	.196	2.71	.280	1.03	14.3	138.	244.	33.0	1.82	.260
17	.125	0	.170	2.99	.403	1.08	10.7	217.	203.	28.6	1.71	.260
18	.125	0	.125	2.11	1.93	.974	10.1	290.	251.	25.0	1.60	.218
19	.125	0	.125	1.57	3.21	.826	14.0	278.	218.	22.3	1.60	.218
20	.125	0	.125	1.34	1.80	.678	43.0	363.	159.	42.2	1.50	.179
21	.092	0	.125	1.03	1.45	2.37	176.	329.	136.	31.9	1.40	.179
22	.092	0	.125	.626	1.08	1.92	72.7	280.	126.	27.4	1.30	.143
23	.092	0	1.89	.676	.925	1.68	98.3	186.	132.	22.7	1.21	.143
24	.063	0	3.51	.826	.726	1.57	78.5	188.	128.	19.9	1.12	.143
25	.063	0	1.69	.626	.584	1.81	39.9	184.	108.	16.9	1.03	.143
26	.040	0	1.03	.631	.948	4.96	31.9	190.	138.	14.7	1.03	.111
27	.040	0	.501	.458	5.47	6.68	33.6	245.	106.	13.0	.948	.111
28	.040	0	.313	.346	4.45	5.93	35.2	190.	79.4	11.3	.948	.083
29	.022	=	.196	.280	3.96	2.99	26.2	190.	70.2	10.1	.869	.083
30	.022	=	.498	.458	3.73	2.11	38.5	134.	65.7	9.22	.869	.083
31	.022	=	.498	=	3.35	=	43.2	117.	=	8.34	=	.059
MOY	.164	.004	.544	1.46	1.33	2.67	28.9	*	*	38.0	2.74	.303
				DEBIT MINI	C.C		DATE 1ERE OBSERVATION			7 FEV		
				DEBIT MAXI	363.		DATE 1ERE OBSERVATION			20 AOU		

TCGC MONC MONO CORREKOPE
 STATION NUMERO 47400109
 ANNEE 1972

TOGC MCNC MONO CORREKOPE
 STATION NUMERO 47400109
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.059	0	.023	.355	1.12	24.6	6.71	123.	128.	24.2	18.6	1.21
2	.059	0	.004	.179	1.03	53.3	16.5	101.	389.	22.3	16.8	1.05
3	.059	0	.004	.179	.948	71.5	9.01	80.5	296.	20.6	15.0	.973
4	.039	0	0	.143	.794	34.1	7.30	57.7	249.	20.0	13.9	.900
5	.039	0	0	.083	.723	25.6	8.45	45.2	203.	20.4	13.2	.829
6	.039	0	0	.059	.655	20.8	7.81	46.3	124.	21.3	12.6	.762
7	.023	0	0	.023	.588	22.5	7.61	40.5	103.	20.6	11.2	.697
8	.023	0	0	-.111	.525	16.9	13.8	85.3	147.	19.9	9.77	.697
9	.023	0	0	.260	.465	17.9	14.0	49.0	287.	18.6	8.24	.635
10	.023	0	0	.111	.408	21.9	13.5	37.4	318.	13.7	6.52	.576
11	.023	0	0	.059	.465	21.0	24.2	31.1	237.	11.7	5.69	.576
12	.011	0	0	.039	.355	14.1	91.2	29.4	291.	10.8	5.36	.520
13	.011	0	0	.023	.260	10.7	67.1	43.4	141.	10.2	5.11	.467
14	.011	0	0	.023	.218	23.4	75.2	31.7	111.	29.4	4.86	.369
15	.011	0	0	.011	.218	16.6	74.6	29.6	92.7	28.2	4.31	.324
16	.011	0	0	.011	.260	16.7	86.0	22.7	178.	25.0	3.92	.324
17	.004	0	0	.011	.218	26.2	203.	19.7	104.	25.2	3.62	.282
18	.004	0	0	.007	.179	16.8	148.	25.6	82.0	67.0	3.33	.282
19	.004	0	.667	.002	.506	13.6	88.4	24.0	82.5	173.	3.04	.241
20	0	0	1.24	.031	4.10	12.1	55.0	28.2	100.	162.	2.76	.203
21	0	0	.526	2.26	3.70	11.2	40.1	32.8	88.9	143.	2.50	.203
22	0	0	.308	.556	3.04	9.22	49.5	39.8	64.7	121.	2.31	.168
23	0	0	.239	.588	2.69	7.93	45.2	70.0	53.5	72.4	2.19	.137
24	0	0	.161	.588	3.89	13.5	41.2	95.8	46.0	57.4	2.07	.137
25	0	0	.201	.655	9.67	11.7	36.9	109.	41.0	45.5	1.96	.137
26	0	0	.622	1.21	10.2	20.1	42.8	84.7	36.2	39.1	1.80	.108
27	0	0	.525	3.94	12.3	18.6	76.9	72.1	35.8	35.1	1.60	.108
28	0	.083	.437	3.56	11.1	13.4	202.	64.6	36.7	31.1	1.46	.083
29	0	.039	.355	2.08	20.3	9.77	366.	56.8	30.9	27.6	1.37	.083
30	0	=	.437	1.25	45.0	8.13	166.	131.	26.6	25.6	1.29	.061
31	0	=	.382	=	35.0	=	120.	109.	=	21.4	=	.061

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.061	0	0	0	0	0	.578	88.5	45.5	120.	24.6	1.05
2	.042	0	0	0	0	0	.441	102.	41.0	103.	27.4	.900
3	.042	0	0	0	0	0	.468	105.	70.7	228.	21.7	.829
4	.026	0	0	0	0	0	1.23	124.	166.	213.	17.0	.762
5	.026	0	0	0	0	1.85	28.4	129.	197.	239.	14.6	.762
6	.026	0	0	0	0	1.29	17.3	94.1	160.	389.	12.1	.697
7	.021	0	0	0	0	.697	12.6	156.	133.	263.	10.6	.635
8	.021	0	0	0	0	.467	8.89	135.	87.2	153.	9.44	.576
9	.016	0	0	0	0	.369	15.8	86.3	110.	129.	8.34	.576
10	.016	0	0	0	0	.324	13.6	103.	115.	175.	7.60	.520
11	.016	0	0	0	0	.635	11.6	91.8	254.	165.	6.51	.467
12	.011	0	0	0	0	.369	22.1	73.3	332.	115.	5.86	.467
13	.011	0	0	0	0	.324	44.6	84.6	337.	92.7	5.36	.416
14	.011	0	0	0	0	.241	29.8	73.5	514.	78.6	4.70	.369
15	.007	0	0	0	0	.203	31.5	51.7	354.	67.1	4.39	.369
16	.007	0	0	0	0	.203	23.1	70.2	224.	58.4	3.92	.324
17	.007	0	0	0	0	.108	15.6	86.8	171.	51.4	3.62	.324
18	.003	0	0	0	0	.108	11.8	73.5	143.	45.0	3.18	.282
19	.003	0	0	0	0	.241	9.77	78.8	140.	39.6	2.90	.241
20	.003	0	0	0	0	.108	7.71	146.	142.	35.6	2.63	.241
21	.003	0	0	0	0	.203	6.33	226.	112.	31.9	2.37	.241
22	.003	0	0	0	0	.416	5.11	135.	92.3	29.0	2.13	.241
23	.003	0	0	0	0	.241	4.55	115.	143.	28.8	1.96	.203
24	0	0	0	0	0	.203	3.62	98.2	308.	28.6	1.85	.168
25	0	0	0	0	0	.416	4.92	93.7	283.	30.0	1.70	.168
26	0	0	0	0	0	.829	33.2	122.	179.	35.9	1.51	.168
27	0	0	0	0	0	.697	18.2	83.6	123.	37.1	1.33	.137
28	0	0	0	0	0	.576	13.9	72.5	97.6	31.9	.893	.137
29	0	=	0	0	0	.467	14.7	85.5	96.2	26.2	1.09	.108
30	0	=	0	0	0	.282	43.8	65.2	109.	21.9	1.05	.108
31	0	=	0	=	0	=	75.7	55.3	=	22.1	=	.108

MOY .015 .004 .198 .614 5.51 20.1 71.1 58.6 137. 44.0 6.21 .426

MOY .012 0 0 0 0 .396 17.1 100. 176. 99.5 7.08 .406

DEBIT MINI 0.0 DATE IERE DESERVATION 20 JAN

DEBIT MINI 0.0 DATE IERE DESERVATION 24 JAN

DEBIT MAXI 389. DATE IERE DESERVATION 2 SEP

DEBIT MAXI 514. DATE IERE DESERVATION 14 SEP

DEBIT MOYEN ANNEEL 26.7 M3/S

DEBIT MOYEN ANNEEL 33.5 M3/S

TOGO												TOGO													
MCNC				MOND				CORREKOPE				MCNC				MOND				CORREKOPE					
ANNEE 1974												ANNEE 1975													
STATION NUMERO 47400109												STATION NUMERO 47400109													
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.108	0	0	0	0	4.99	305.	356.	161.	23.0	1.92	1	.197	.011	0	.063	.035	1.08	1.97	188.	58.1	289.	19.1	1.96	
2	.083	0	0	0	0	1.35	361.	208.	239.	25.8	1.79	2	.197	.011	0	.063	.035	2.16	2.14	179.	54.0	356.	16.2	1.85	
3	.061	0	0	0	0	.635	384.	141.	189.	29.8	1.66	3	.162	0	0	.048	.022	2.67	2.55	263.	151.	227.	14.7	1.85	
4	.061	0	0	0	0	.533	287.	199.	193.	24.6	1.54	4	.130	0	0	.035	.011	1.83	3.62	229.	196.	194.	13.2	1.75	
5	.042	0	0	0	0	.606	217.	185.	172.	21.2	1.42	5	.130	0	0	.035	.011	1.50	5.86	155.	270.	143.	12.3	1.65	
6	.026	0	0	0	0	.346	171.	303.	218.	17.7	1.35	6	.130	0	0	.162	.011	1.28	5.95	142.	173.	148.	10.9	1.65	
7	.026	0	0	0	0	.261	145.	510.	157.	15.0	1.28	7	.102	0	0	.104	0	1.08	5.33	203.	126.	224.	10.2	1.55	
8	.026	0	0	0	0	.419	121.	465.	116.	13.9	1.18	8	.102	0	0	.082	0	.992	4.35	251.	128.	140.	9.77	1.46	
9	.026	0	0	0	0	5.87	108.	351.	91.7	12.2	1.08	9	.078	0	0	.070	0	.661	17.0	205.	141.	175.	8.78	1.29	
10	.021	0	0	0	0	4.16	98.5	504.	99.6	10.9	1.02	10	.078	0	0	.063	0	2.57	45.6	258.	191.	177.	7.92	1.29	
11	.021	0	0	0	0	3.48	84.1	551.	138.	10.2	.963	11	.078	0	0	.063	0	6.62	56.2	224.	129.	172.	7.30	1.21	
12	.016	0	0	0	0	4.23	74.4	462.	195.	9.22	.907	12	.078	0	0	.048	0	3.13	44.2	145.	143.	171.	6.71	1.21	
13	.016	0	0	0	0	5.95	62.2	412.	148.	8.67	.851	13	.078	0	0	.264	0	1.98	73.7	125.	168.	134.	6.23	1.13	
14	.016	0	0	0	0	6.81	54.2	440.	108.	8.02	.796	14	.063	0	0	1.19	0	1.50	112.	223.	119.	105.	5.78	1.13	
15	.016	0	0	0	0	12.2	62.0	316.	99.6	7.71	.741	15	.063	0	0	.217	0	1.24	85.2	253.	102.	86.2	5.19	1.05	
16	.011	0	0	0	0	18.2	117.	270.	91.1	7.10	.688	16	.063	0	0	.239	.011	1.18	57.7	233.	175.	73.5	4.95	.973	
17	.011	0	0	0	0	16.3	303.	280.	77.7	6.42	.634	17	.063	0	0	.162	0	2.34	52.4	240.	173.	69.1	4.78	.900	
18	.011	0	0	0	0	29.6	257.	302.	68.5	5.86	.582	18	.063	0	0	.162	0	5.16	54.2	192.	168.	63.3	4.47	.900	
19	.007	0	0	0	0	29.9	171.	318.	59.2	5.24	.530	19	.063	0	0	.162	0	7.61	48.0	152.	150.	64.3	4.15	.829	
20	0	0	0	0	0	23.6	115.	241.	88.5	4.82	.479	20	.048	0	0	.162	0	5.96	59.6	126.	148.	57.6	4.00	.829	
21	0	0	0	0	0	28.4	88.3	214.	59.5	4.34	.479	21	.048	0	0	.130	0	4.50	52.7	98.7	112.	48.4	3.85	.762	
22	0	0	0	0	0	66.6	77.1	187.	53.2	4.03	.479	22	.035	0	0	.280	.051	5.86	44.3	89.8	131.	43.3	3.70	.762	
23	0	0	0	0	0	174.	112.	147.	46.0	3.74	.428	23	.035	0	0	.479	1.89	5.08	33.2	138.	192.	39.4	3.70	.697	
24	0	0	0	0	0	366.	137.	126.	42.4	3.45	.378	24	.035	0	.203	.329	2.36	4.11	131.	132.	251.	36.0	3.55	.697	
25	0	0	0	0	0	264.	101.	112.	39.8	3.18	.353	25	.035	0	1.33	.237	2.27	3.66	286.	90.5	213.	32.3	3.40	.635	
26	0	0	0	0	0	130.	132.	140.	35.4	2.91	.326	26	.035	0	.379	.130	1.79	3.05	235.	182.	168.	29.4	3.26	.576	
27	0	0	0	0	.061	112.	105.	222.	32.1	2.72	.329	27	.022	0	.180	.102	1.54	2.54	157.	135.	227.	26.8	2.97	.467	
28	0	0	0	0	.241	88.3	93.6	137.	30.9	2.54	.280	28	.022	0	.116	.078	1.50	2.36	117.	101.	319.	24.4	2.69	.467	
29	0	=	0	0	.203	111.	123.	108.	29.0	2.31	.258	29	.022	=	.078	.063	1.62	2.19	79.8	107.	331.	23.0	2.43	.416	
30	0	=	0	0	.282	192.	162.	130.	25.4	2.14	.237	30	.011	=	.102	.048	1.35	2.19	105.	75.2	395.	22.1	2.07	.369	
31	0	=	0	=	=	332.	209.	=	23.6	=	.237	31	.011	=	.070	=	1.14	=	171.	63.0	=	21.2	=	.369	
MOY	.019	0	0	0	.026	65.6	156.	278.	101.	9.96	.813	MOY	.073	.001	.079	.176	.508	2.94	69.4	168.	177.	110.	6.95	1.05	
DEBIT MINI	0.0											DEBIT MINI	0.0												
DEBIT MAXI	551.											DEBIT MAXI	355.												
DEBIT MOYEN ANNUEL	51.1 M3/S											DEBIT MOYEN ANNUEL	45.0 M3/S												

TOGO MCNC MONO CORREKOPE
 STATION NUMERO 47400109
 ANNEE 1976

DEBITS MOYENS JOURNALIERS EN M3/S

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.324	.007	0	0	.168	2.31	11.4	31.7	39.6	106.	94.4	11.9
2	.282	.007	0	0	.168	2.25	10.2	26.4	30.9	51.2	139.	11.1
3	.241	.007	0	0	.137	3.41	10.1	23.0	27.8	100.	123.	10.5
4	.241	.007	0	0	.061	3.48	9.11	42.9	24.0	94.6	89.0	9.77
5	.203	.003	0	0	.042	2.63	8.34	56.5	20.8	69.6	72.7	9.11
6	.168	0	0	0	.061	2.08	7.81	44.0	19.5	49.2	63.0	8.34
7	.168	0	0	0	.042	1.75	12.4	137.	41.4	39.9	58.7	7.92
8	.137	0	0	0	1.13	1.75	11.7	99.0	50.3	33.8	65.9	7.60
9	.137	0	0	0	1.05	1.65	17.0	61.7	34.3	29.6	101.	7.10
10	.137	0	0	0	.973	1.51	12.2	107.	25.8	26.4	185.	6.61
11	.137	0	0	0	.900	1.46	10.0	225.	32.6	24.2	125.	6.04
12	.137	0	0	0	.762	1.60	9.00	135.	28.8	55.1	88.8	5.69
13	.108	0	0	0	.635	1.60	7.61	99.4	24.2	83.8	66.9	5.36
14	.108	0	0	0	.369	1.51	7.42	73.0	22.3	60.8	54.0	4.95
15	.108	0	0	.083	.282	3.89	7.71	76.7	32.7	40.7	49.0	4.39
16	.083	0	0	.026	1.96	15.0	7.51	75.9	20.0	66.8	40.7	3.92
17	.083	0	0	.829	1.65	12.6	18.7	228.	23.6	158.	36.2	3.62
18	.083	0	0	.416	1.55	15.6	26.4	169.	20.8	303.	32.3	3.33
19	.061	0	0	.282	1.46	13.9	29.1	97.8	25.0	257.	30.0	2.90
20	.061	0	0	.241	1.56	11.7	44.3	77.8	19.5	270.	27.8	2.63
21	.042	0	0	.203	2.33	57.3	41.7	61.1	22.7	229.	26.0	2.43
22	.026	0	0	.168	28.6	28.0	59.4	63.6	22.1	259.	24.8	2.37
23	.021	0	0	.137	10.7	25.1	50.4	58.7	27.2	256.	24.8	2.25
24	.021	0	0	.973	7.31	18.1	31.3	46.7	36.8	161.	22.9	2.13
25	.021	0	0	.829	5.70	18.2	28.2	42.4	29.4	147.	20.8	2.02
26	.016	0	0	.697	4.39	27.8	45.6	46.5	31.3	271.	19.5	1.91
27	.016	0	0	.416	3.85	39.2	50.4	37.3	27.8	186.	17.1	1.85
28	.016	0	0	.324	3.62	23.1	60.3	43.9	56.3	160.	14.6	1.80
29	.016	0	0	.241	4.08	17.9	56.3	39.0	57.1	123.	13.1	1.75
30	.011	=	0	.203	5.03	13.8	53.5	40.6	114.	111.	12.7	1.65
31	.011	=	0	=	4.08	=	39.6	52.0	=	116.	=	1.65

MOY .104 .001 0 .202 3.05 12.3 25.6 78.0 33.0 127. 58.0 4.59

DEBIT MINI 0.0 DATE IERE DESERVATION 6 FEV

DEBIT MAXI 303. DATE IERE DESERVATION 18 OCT

DEBIT MOYEN ANNUEL 28.7 M3/S

TOGC MCNC MONO CORREKOPE
 STATION NUMERO 47400109
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	1.55	.416	.011	C	0	0	.018	5.97	124.	143.	14.5	.859
2	1.46	.416	.011	C	0	0	.023	6.06	91.0	121.	13.1	.808
3	1.46	.416	.003	0	0	0	.049	6.05	87.2	140.	11.5	.758
4	1.37	.416	0	0	0	0	.072	4.63	101.	137.	10.5	.758
5	1.29	.369	0	0	0	0	.042	5.78	121.	132.	9.22	.710
6	1.13	.369	0	C	0	0	.072	5.27	273.	110.	8.78	.663
7	1.05	.369	0	0	0	0	.061	4.23	169.	123.	7.81	.617
8	.973	.324	0	0	0	0	.034	3.26	171.	137.	7.00	.573
9	.973	.324	0	0	0	0	.089	2.63	211.	142.	6.42	.530
10	.900	.282	0	0	0	0	.042	2.31	197.	125.	5.86	.488
11	.900	.241	0	0	0	0	3.08	2.02	194.	116.	5.16	.448
12	1.96	.241	0	0	0	0	4.62	3.26	367.	209.	4.82	.410
13	1.75	.241	0	0	0	0	1.97	48.6	406.	182.	4.42	.372
14	1.65	.203	0	0	0	0	1.29	65.9	387.	141.	3.81	.372
15	*	.168	0	0	0	0	1.13	35.0	324.	138.	3.31	.336
16	1.55	.168	0	0	0	.021	.767	64.9	416.	113.	2.91	.336
17	1.37	.137	0	0	0	.021	.954	56.7	293.	88.1	2.66	.301
18	1.21	.108	0	0	0	.016	1.86	30.9	236.	72.1	2.48	.301
19	1.13	.083	0	0	0	.011	1.65	60.2	196.	62.2	2.31	.268
20	1.13	.083	0	0	0	.945	1.51	48.6	162.	55.3	2.08	.208
21	1.05	.061	0	C	0	.205	1.13	34.7	145.	48.7	1.92	.156
22	.973	.061	0	0	0	.123	.865	29.4	180.	43.8	1.79	.156
23	.900	.042	0	0	0	.374	4.47	27.8	149.	39.6	1.62	.133
24	.829	.042	0	0	0	.222	6.17	78.7	136.	35.8	1.58	.112
25	.762	.026	0	0	0	.153	4.39	114.	112.	32.5	1.54	.112
26	.762	.021	0	C	0	.108	3.33	148.	99.9	29.2	1.28	.112
27	.697	.016	0	C	0	.072	3.26	140.	101.	26.0	1.21	.093
28	.576	.016	0	0	0	.042	5.44	186.	95.9	23.0	1.05	.093
29	.467	=	0	0	0	.034	7.64	118.	184.	20.6	.992	.093
30	.416	=	0	C	0	.023	*	115.	154.	18.2	.911	.075
31	.416	=	0	=	0	=	6.90	134.	=	16.5	=	.075

MOY * .202 .001 0 0 .079 * 51.2 196. 91.0 4.75 .365

DEBIT MINI 0.0 DATE IERE DESERVATION 4 MAR

DEBIT MAXI 416. DATE IERE DESERVATION 16 SEP

GENERALITES :

- Superficie du bassin versant : 5 590 km²
- Coordonnées de la station : 7°49'N - 1°16'E
- Cote du zéro de l'échelle : 153.28 (IGN)
- Amplitude de l'échelle : 0 à 9 m
- Accès : Pont métallique de la route ANIE-ELAVAGNON
- Date de création : 6.4.1960
- Cadence des relevés : 1 à 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 67
- Maximum jaugé : H = 5.63 - 5.67 m
Q = 288 m³/s
Date = 10.9.1966
- Nombre de tarages utilisés pour la période 71-79 : 5
- Dernière courbe d'étalonnage utilisée :
. valide du 27.10.77 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,54	0.0	0.0	0.0
0,54 A 0,70	1.8849	0.0109	0.0
0,70 A 0,81	19.318	0.6205	0.050
0,81 A 0,90	0.0	4.7000	0.352
0,90 A 1,00	43.000	4.9500	0.775
1,00 A 1,20	0.5000	13.550	1.70
1,20 A 1,50	34.500	15.550	4.43
1,50 A 2,00	4.3332	31.633	12.2
2,00 A 3,00	12.901	43.199	29.1
3,00 A 3,90	11.852	55.778	85.2
3,90 A 5,50	0.78125	81.875	145
5,50 A 7,00	8.6667	93.667	278
7,00 A 9,00	8.4615	124.08	438

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1960	/	*	*	/
1961
1962	/	.	.	.	/	/
1963
1964	/	.
1965
1966
1967
1968
1969
1970	/	/	/
1971
1972
1973
1974
1975	/	/
1976	/
1977	/
1978
1979	/

- . signifie mois complet
- / signifie mois incomplet
- * signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TJCC MCNC MONO DOTAIKOPE
STATION NUMERIC 47400111
ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

- COMMENTAIRES :

Station instable en basses eaux.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	ACU	SEP	OCT	NOV	DEC
1	.799	.274	.023	.657	.365	2.46	2.56	15.6	70.6	41.2	4.27	.592
2	.726	.274	.023	.876	1.21	1.85	1.21	32.2	77.4	40.7	3.97	.528
3	.726	.233	.023	.759	.956	1.65	5.69	34.4	85.9	35.2	3.54	.528
4	.657	.233	.017	.759	.726	3.14	4.27	48.1	217.	28.8	3.27	.467
5	.657	.197	.318	.726	.591	2.56	3.40	106.	254.	25.4	3.02	.467
6	.657	.197	.318	.876	.471	2.93	2.56	83.5	223.	29.5	2.78	.410
7	.657	.164	.876	1.04	.365	4.93	3.44	91.0	253.	50.1	2.56	.410
8	.657	.164	.956	3.62	.657	3.40	3.97	63.2	235.	38.8	2.46	.355
9	.657	.142	.799	2.79	.799	2.78	4.27	50.1	233.	34.0	2.35	.355
10	.657	.142	2.16	2.51	.591	2.56	4.86	37.8	159.	33.9	2.14	.303
11	.591	.121	.876	2.56	.799	1.75	5.52	33.6	136.	31.5	2.04	.303
12	.591	.121	.657	2.78	.471	1.56	10.3	33.2	161.	40.0	1.75	.303
13	.529	.142	.591	2.46	.365	1.29	42.5	35.9	125.	32.4	1.56	.303
14	.529	.142	.591	2.65	.657	1.21	21.4	41.7	137.	26.4	1.56	.303
15	.471	.121	.529	2.46	.591	1.04	14.6	44.8	222.	22.8	1.47	.255
16	.471	.121	.471	2.85	1.75	.876	14.1	57.2	201.	19.4	1.38	.255
17	.471	.102	.471	1.85	1.56	1.04	10.8	106.	139.	16.7	1.29	.255
18	.471	.102	.416	1.38	1.38	.876	6.11	204.	175.	14.8	1.21	.210
19	.416	.085	.365	1.21	1.75	.799	5.02	229.	141.	15.3	1.12	.210
20	.416	.069	.318	1.12	1.38	.726	13.8	193.	96.3	20.9	1.12	.210
21	.416	.069	.657	.956	1.21	.956	26.6	281.	91.0	18.7	1.04	.167
22	.416	.055	.956	1.65	.956	1.29	32.1	232.	86.7	16.6	.958	.167
23	.416	.055	3.80	1.04	.799	.726	106.	205.	68.8	13.6	.958	.167
24	.365	.043	1.56	.956	.726	1.38	48.7	128.	73.2	11.5	.878	.128
25	.365	.043	.365	.759	.657	2.56	21.5	153.	70.7	9.52	.802	.128
26	.365	.036	.657	.591	5.29	3.14	29.7	143.	74.0	8.35	.802	.104
27	.365	.036	.591	.529	4.12	6.20	33.0	182.	52.9	7.29	.729	.104
28	.318	.029	.318	.471	3.14	2.74	22.8	127.	43.5	6.56	.659	.104
29	.318	=	.799	.365	3.27	2.46	21.3	100.	38.7	5.79	.659	.104
30	.274	=	.726	.416	2.78	2.06	17.1	72.6	36.8	5.20	.592	.082
31	.274	=	.556	=	2.46	=	17.1	73.8	=	4.67	=	.082
MOY	.506	.125	.716	1.47	1.38	2.10	18.0	104.	133.	22.8	1.77	.270
					DEBIT MINI	3.017		DATE 1ERE OBSERVATION		4 MAR		
					DEBIT MAXI	281.		DATE 1ERE CERVATION		21 AOU		
					DEBIT MOYEN ANNUEL	23.9		M3/S				

TOGC MCNC MONO DOTAIKOPE
 STATION NUMERO 47400111
 ANNEE 1972

DEBITS MOYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL ACU SEP OCT NOV DEC

1	.082	0	0	.104	1.04	24.0	4.67	115.	118.	19.0	14.8	.978
2	.063	0	0	.082	.602	39.2	5.24	101.	264.	17.2	13.0	.802
3	.063	0	0	.063	.729	36.6	11.7	71.8	251.	15.7	11.5	.729
4	.063	0	0	.046	.659	19.7	7.30	51.2	211.	16.9	10.2	.729
5	.063	.005	0	.032	.592	17.7	8.07	44.8	159.	17.7	8.63	.659
6	.063	.001	0	.020	.467	13.0	6.23	43.0	95.2	17.2	7.04	.659
7	.063	0	0	.082	.410	15.6	6.73	57.8	97.6	16.4	6.44	.592
8	.063	0	0	.032	.355	10.5	15.6	74.4	162.	13.2	6.00	.592
9	.063	0	0	.020	.303	12.7	23.5	43.5	354.	11.5	5.49	.528
10	.046	0	0	.012	.303	14.4	20.0	33.1	247.	9.83	4.93	.528
11	.046	0	0	.005	.210	10.2	25.6	27.5	176.	8.77	4.35	.467
12	.046	0	0	.001	.210	7.05	87.5	29.8	232.	16.5	4.04	.467
13	.046	0	0	0	.167	5.22	42.7	36.7	117.	40.5	3.68	.410
14	.032	0	0	0	.128	26.6	83.1	29.2	92.1	25.0	3.40	.410
15	.032	0	0	.020	.104	7.86	77.9	25.2	73.9	20.5	3.08	.355
16	.032	0	0	.012	.104	19.4	88.3	21.2	121.	20.4	2.96	.355
17	.020	0	0	.001	.128	11.5	182.	18.4	80.6	24.2	2.78	.303
18	.020	0	0	.255	1.82	7.54	134.	30.2	66.3	57.3	2.56	.303
19	.012	0	.438	.046	4.19	6.45	63.8	21.7	65.9	86.6	2.46	.303
20	.012	0	.448	.167	3.97	7.98	42.5	18.5	74.3	130.	2.35	.255
21	.005	0	.303	.528	3.40	6.70	34.5	20.2	67.1	105.	2.14	.255
22	.005	0	.128	.659	3.34	4.68	32.0	30.5	48.7	101.	1.75	.210
23	.001	0	.731	.410	6.57	4.45	43.1	46.9	41.0	54.3	1.56	.210
24	0	0	.921	.303	7.86	6.93	33.5	96.9	34.7	40.5	1.47	.167
25	0	0	.729	.303	8.10	11.5	27.1	88.8	30.4	32.4	1.38	.167
26	0	0	.659	.672	6.68	18.5	44.2	66.1	27.1	28.8	1.29	.167
27	0	0	.467	2.14	5.91	15.1	86.2	45.6	25.4	25.0	1.12	.128
28	0	0	.210	1.85	31.2	9.89	211.	47.4	25.2	22.9	1.12	.128
29	0	0	.128	1.47	19.8	6.81	318.	45.9	22.6	21.6	1.04	.104
30	0	=	.104	1.47	25.9	5.11	147.	93.3	20.0	19.4	1.04	.104
31	0	=	.128	=	22.8	=	117.	72.4	=	16.9	=	.104

MCY .030 .000 .174 .360 5.10 13.4 65.5 49.9 113. 33.9 4.45 .389

DEBIT MINI 0.0 DATE IERE OBSERVATION 24 JAN
 DEBIT MAXI 354. DATE IERE OBSERVATION 9 SEP
 DEBIT MOYEN ANNUEL 23.9 M3/S

TOGC MCNC MONO DOTAIKOPE
 STATION NUMERO 47400111
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL ACU SEP OCT NOV DEC

1	.082	0	0	0	.005	.012	.592	47.2	27.0	86.2	16.7	.878
2	.082	0	0	0	.001	.063	.467	49.6	26.6	70.0	18.9	.802
3	.063	0	0	0	0	.082	.802	91.3	73.3	212.	14.9	.802
4	.046	0	0	0	.001	2.16	20.8	107.	123.	161.	11.7	.729
5	.046	0	0	0	.046	1.34	21.6	81.0	158.	215.	9.08	.659
6	.063	0	0	0	.020	.731	15.2	67.5	126.	286.	7.54	.659
7	.063	0	0	0	.012	.703	9.11	95.6	107.	167.	6.56	.592
8	.063	0	0	0	.005	.626	8.40	54.9	77.1	103.	5.59	.592
9	.063	0	0	C	.001	.438	17.3	40.2	117.	91.3	5.11	.528
10	.046	0	0	C	0	.382	12.5	66.3	93.8	113.	4.51	.528
11	.046	0	0	C	0	.385	12.5	54.6	267.	104.	4.19	.467
12	.032	0	0	C	0	.357	46.1	47.5	269.	71.3	3.89	.410
13	.020	0	0	0	0	.211	37.6	60.3	328.	57.1	3.61	.410
14	.020	0	0	C	0	.116	25.4	49.2	311.	48.2	3.34	.355
15	.020	0	0	C	0	.082	27.4	32.4	247.	41.7	3.08	.355
16	.020	0	0	C	0	.104	17.2	53.9	148.	36.3	2.84	.303
17	.012	0	0	0	0	.082	14.9	58.0	118.	32.0	2.67	.303
18	.012	0	0	0	0	.063	9.72	47.1	106.	27.7	2.46	.255
19	.005	0	0	0	0	.255	8.80	51.4	119.	25.0	2.35	.255
20	.001	0	0	C	0	.210	6.34	84.4	112.	22.4	2.25	.255
21	0	0	0	0	.001	.167	4.85	105.	82.2	20.5	1.85	.210
22	0	0	0	.355	0	.303	4.19	83.8	65.4	18.5	1.65	.210
23	0	0	0	.167	.005	.255	3.97	73.2	136.	19.9	1.56	.210
24	0	0	0	.104	.001	.255	4.27	56.8	285.	20.5	1.47	.210
25	0	0	0	.082	0	.210	21.2	65.5	221.	20.0	1.38	.210
26	0	0	0	.063	.001	1.56	25.6	83.0	135.	21.4	1.21	.167
27	0	0	0	.046	0	.659	14.6	48.7	90.7	21.1	1.12	.167
28	0	0	0	.046	0	.410	8.04	49.3	73.5	19.2	1.12	.167
29	0	=	0	.032	0	.303	12.6	57.4	71.9	16.1	1.04	.128
30	0	=	0	.012	0	.802	12.3	41.7	77.1	14.0	.958	.128
31	0	=	0	=	0	=	39.2	35.4	=	13.3	=	.128

MOY .026 0 0 .030 .003 .446 15.0 62.6 140. 70.1 4.82 .389

DEBIT MINI 0.0 DATE IERE OBSERVATION 21 JAN
 DEBIT MAXI 328. DATE IERE OBSERVATION 13 SEP
 DEBIT MOYEN ANNUEL 24.5 M3/S

TOGO	MCNG											MONO											DOTAIKOPE																				
ANNEE 1974											STATION NUMERO 47400111											ANNEE 1975											STATION NUMERO 47400111										
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S																															
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC																				
1	.104	0	0	0	0	0	.921	219.	275.	127.	18.2	2.05	1	.237	.011	0	.020	.013	2.66	2.72	122.	44.0	222.	13.8	*																		
2	.104	0	0	0	0	0	.594	321.	156.	177.	23.0	1.71	2	.237	.011	0	.020	.011	4.62	3.17	122.	42.0	265.	12.2	*																		
3	.104	0	0	0	0	0	.837	248.	105.	126.	22.8	1.49	3	.200	.038	0	.017	.008	3.10	8.50	188.	144.	141.	10.5	*																		
4	.082	0	0	0	0	0	.560	171.	161.	135.	17.2	1.38	4	.200	.038	0	.013	.006	3.72	6.46	146.	187.	119.	9.22	*																		
5	.082	0	0	0	0	0	.467	132.	126.	116.	14.9	1.38	5	.200	.006	0	.011	.004	1.94	5.30	120.	243.	95.9	8.21	*																		
6	.082	0	0	0	0	0	.534	103.	193.	162.	13.2	1.28	6	.171	.006	0	.064	.002	1.17	5.02	103.	129.	105.	7.67	*																		
7	.063	0	0	.016	0	0	1.36	89.2	316.	104.	11.5	1.17	7	.171	.004	0	.039	.002	.921	4.05	144.	93.9	139.	6.68	*																		
8	.063	0	0	.268	0	0	5.23	78.1	266.	74.2	10.3	1.17	8	.171	.004	0	.050	.001	.697	11.1	149.	94.7	94.4	5.79	*																		
9	.046	0	0	.104	0	0	3.93	67.2	229.	62.6	9.22	1.07	9	.171	.013	0	.050	0	.697	29.2	179.	103.	120.	5.49	1.28																		
10	.046	0	0	.046	0	0	3.83	61.1	376.	63.5	8.21	1.07	10	.144	.064	0	.039	0	2.78	62.0	188.	159.	115.	5.20	1.17																		
11	.032	0	0	.020	0	0	3.97	51.2	387.	120.	7.41	.970	11	.144	.039	0	.020	0	4.10	74.6	170.	98.4	112.	4.84	1.17																		
12	.032	0	0	.012	0	0	6.33	75.3	309.	156.	6.68	.872	12	.144	.024	0	.017	0	2.72	43.5	108.	125.	137.	4.51	1.07																		
13	.020	0	0	.001	0	0	7.51	38.0	254.	98.8	6.44	.775	13	.144	.020	0	.017	0	2.60	77.1	103.	133.	93.1	4.21	1.07																		
14	.012	0	0	0	0	0	7.57	34.5	229.	68.5	6.00	.697	14	.120	.013	0	.278	0	1.49	111.	168.	102.	68.5	3.99	.970																		
15	.012	0	0	0	0	0	12.3	41.0	161.	71.3	5.59	.697	15	.120	.013	0	.171	0	1.28	75.3	186.	121.	56.2	3.85	.272																		
16	.005	0	0	0	0	0	17.1	105.	151.	67.0	5.20	.623	16	.120	.011	0	.120	0	2.66	52.5	127.	161.	47.7	3.71	.775																		
17	.005	0	0	0	0	0	25.3	245.	174.	56.8	4.84	.623	17	.099	.008	0	.212	0	3.97	51.5	125.	131.	45.5	3.44	.697																		
18	.005	0	0	.210	0	0	30.7	191.	217.	45.8	4.51	.554	18	.099	.006	0	.730	0	9.89	48.6	114.	132.	42.0	3.30	.697																		
19	.001	0	0	.104	0	0	26.3	97.9	217.	46.2	4.07	.554	19	.080	.004	0	.200	0	7.86	42.7	112.	124.	36.4	3.04	.554																		
20	.001	0	0	.046	0	0	21.6	69.4	144.	66.9	3.92	.554	20	.080	.002	0	.120	3.38	5.31	64.4	92.1	106.	33.6	2.91	.554																		
21	0	0	0	.020	0	.802	28.5	58.3	147.	44.5	3.64	.554	21	.064	.031	0	.120	3.24	9.38	46.4	70.4	83.7	30.9	2.78	.490																		
22	0	0	0	.005	0	.802	90.0	49.0	119.	38.5	3.51	.490	22	.064	0	0	.432	2.72	7.54	37.5	70.2	112.	27.5	2.65	.430																		
23	0	0	0	0	0	.802	197.	93.6	90.1	33.1	3.30	.430	23	.050	0	0	.218	3.12	6.11	27.7	128.	137.	25.7	2.53	.375																		
24	0	0	0	0	0	.729	360.	73.1	75.5	29.8	3.17	.430	24	.039	0	4.25	.146	3.24	4.79	65.9	106.	172.	23.3	2.53	.375																		
25	0	0	0	0	0	.659	198.	66.3	65.1	27.3	3.04	.430	25	.039	0	.287	.064	2.85	4.53	201.	70.6	131.	21.4	2.41	.324																		
26	0	0	0	0	.528	104.	94.9	63.3	25.4	2.84	.375	26	.030	0	.100	.039	2.41	3.17	133.	76.9	87.7	19.7	2.29	.375																			
27	0	0	0	0	.467	89.0	67.3	82.8	24.5	2.65	.375	27	.030	0	.064	.030	2.35	3.24	85.9	114.	200.	18.0	2.17	.324																			
28	0	0	0	0	.592	65.4	65.4	87.7	23.3	2.53	.324	28	.024	0	.039	.024	2.53	3.24	63.8	82.8	251.	16.7	2.05	.278																			
29	0	=	0	0	.592	113.	111.	77.5	21.9	2.41	.324	29	.020	=	.024	.020	1.60	2.72	46.6	81.1	271.	15.9	1.93	.278																			
30	0	=	0	0	.528	131.	125.	96.0	19.5	2.23	.278	30	.017	=	.039	.013	1.49	2.59	65.6	57.4	298.	15.4	*	.237																			
31	0	=	0	=	=	274.	183.	=	19.0	=	.278	31	.013	=	.024	=	1.49	=	110.	49.0	=	14.9	=	.200																			
MOY	.029	0	0	.029	0	.217	58.9	110.	178.	72.6	7.75	.806	MOY	.111	.010	.156	.110	.982	3.72	53.6	119.	141.	74.8	*	*																		
DEBIT MINI	0.0			DATE IERE OBSERVATION 21 JAN								DEBIT MINI	0.0			DATE IERE OBSERVATION 22 FEV																											
DEBIT MAXI	367.			DATE IERE OBSERVATION 11 SEP								DEBIT MAXI	256.			DATE IERE OBSERVATION 30 SEP																											
DEBIT MOYEN ANNEE	35.9 M3/S																																										

STATION NUMERO 47400111												STATION NUMERO 47400111													
ANNEE 1976												ANNEE 1977													
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.171	.030	0	0	.064	1.17	9.41	23.5	32.7	54.6	74.5	10.2	1	1.82	.623	-.030	0	0	0	.024	6.11	89.9	86.3	9.83	.681
2	.171	.024	0	0	.039	2.29	7.16	19.7	26.1	44.8	144.	9.07	2	*	.490	.030	0	0	0	.024	7.42	65.1	109.	8.77	.634
3	.144	.020	0	0	.039	3.04	7.29	20.5	22.8	93.3	104.	8.35	3	*	.223	.024	0	0	0	.020	6.22	60.9	114.	7.54	.587
4	.120	.020	0	0	.030	2.11	6.00	38.6	20.7	82.7	76.5	7.54	4	*	.775	.020	0	0	0	.013	6.44	77.1	107.	6.68	.587
5	.120	.017	0	0	.024	1.49	5.49	38.8	19.0	55.1	61.8	7.16	5	*	.697	.017	0	0	0	.064	5.90	136.	95.4	6.00	.540
6	.120	.013	0	0	.030	1.28	4.67	31.3	18.7	43.0	56.5	6.44	6	*	.623	.013	0	0	0	.039	5.02	239.	65.9	5.30	.493
7	.120	.013	0	0	5.93	1.07	4.43	83.2	46.6	34.9	51.5	6.00	7	*	.554	.013	0	0	0	.030	3.93	140.	87.4	4.84	.446
8	.099	.011	0	0	1.33	.970	7.45	80.1	43.3	30.4	67.0	5.59	8	*	.490	.011	0	0	0	.024	3.24	136.	95.1	4.51	.399
9	.099	.011	0	0	.657	1.07	15.1	43.8	30.7	26.6	89.3	5.29	9	*	.430	-.008	0	0	0	1.15	2.91	171.	95.6	4.09	.399
10	.080	.008	0	0	.430	.970	9.52	124.	23.8	24.8	172.	5.11	10	*	.375	-.006	0	0	0	3.88	2.72	144.	89.2	3.74	.352
11	.080	.006	0	0	.278	.872	8.21	213.	27.8	25.2	102.	4.84	11	*	.375	-.004	0	0	0	6.45	3.51	163.	70.3	3.26	.352
12	.120	.006	0	0	.237	1.17	7.94	107.	28.6	39.0	68.3	4.51	12	*	.324	-.004	0	0	0	3.18	6.36	323.	147.	2.99	.352
13	.120	.006	0	0	.200	.970	6.12	69.3	22.4	71.3	60.3	4.21	13	*	.278	-.002	-.006	0	0	2.05	61.4	338.	109.	2.79	.262
14	.099	.004	0	0	1.86	.970	6.11	57.2	23.7	59.3	46.3	3.99	14	*	.237	-.002	-.004	0	0	1.71	58.6	272.	83.1	2.65	.262
15	.099	.004	0	1.70	3.31	17.7	5.39	79.4	26.9	44.0	40.2	3.85	15	*	.200	-.001	-.001	0	.002	1.49	37.6	260.	84.8	2.51	.262
16	.080	.002	0	.191	2.66	17.4	6.61	77.1	20.4	58.5	35.6	3.71	16	*	.171	-.001	0	0	0	1.49	73.9	352.	65.1	2.38	.223
17	.064	.002	0	.407	1.94	11.4	19.6	236.	23.5	197.	32.6	3.44	17	*	.171	0	0	0	0	3.79	40.8	189.	53.9	2.24	.188
18	.064	.002	0	.144	1.38	10.9	21.2	130.	22.6	260.	29.2	3.30	18	*	.120	0	0	0	0	2.53	36.0	154.	44.0	1.97	.157
19	.064	.001	0	.050	1.17	11.8	19.2	79.4	23.5	228.	26.6	3.17	19	*	.120	0	0	0	.001	2.91	63.8	139.	39.2	1.84	.157
20	.120	.001	0	.834	.970	32.4	36.6	61.5	20.0	226.	24.8	3.04	20	*	.099	0	-.006	0	-.490	2.17	41.0	103.	35.4	1.70	.129
21	.120	.002	0	.554	1.17	64.0	36.6	50.3	22.8	212.	23.1	2.91	21	*	.080	0	-.006	0	1.17	1.38	34.3	101.	30.0	1.45	.106
22	.099	.004	0	.324	5.27	27.8	39.5	58.8	20.7	238.	21.9	2.78	22	*	.099	0	.004	0	.623	4.03	25.6	133.	26.8	1.23	.106
23	.080	.002	0	.185	4.33	21.6	33.6	51.2	25.0	215.	22.3	2.65	23	1.07	.080	0	-.002	0	.375	7.16	19.9	106.	25.0	1.23	.086
24	.064	.001	0	.972	5.34	17.7	21.1	40.2	31.5	132.	20.5	2.53	24	1.17	.064	0	-.002	0	.171	6.01	49.6	96.9	23.1	1.13	.070
25	.064	.001	0	.407	3.93	18.4	24.5	38.0	29.5	155.	19.0	2.41	25	.970	.050	0	-.002	0	.120	4.14	83.5	76.5	21.4	1.04	.070
26	.050	.001	0	.171	3.04	28.6	33.1	40.2	33.8	239.	17.2	2.29	26	.872	.039	0	-.001	0	.099	3.51	117.	68.4	19.2	.962	.058
27	.050	0	0	.144	2.41	67.0	31.2	39.5	36.8	207.	15.2	2.17	27	.872	.039	0	0	0	.064	8.72	109.	70.0	17.2	.891	.050
28	.050	0	0	.120	1.71	20.2	37.5	40.3	57.4	170.	13.8	2.05	28	.872	.039	0	0	0	.039	6.78	147.	61.5	15.4	.829	.044
29	.039	0	0	.059	3.04	17.2	49.6	33.8	65.8	125.	12.7	*	29	.775	=	0	0	0	.030	10.5	107.	108.	14.0	.775	.038
30	.039	=	0	.064	3.30	13.5	35.2	39.8	104.	95.4	11.5	*	30	.657	=	0	0	0	.030	7.42	73.0	120.	12.8	.728	.038
31	.030	=	0	=	1.71	=	25.5	39.2	=	95.3	=	1.82	31	.657	=	-.004	=	0	=	7.71	102.	=	11.5	=	.033
MOY	.092	.007	0	.212	2.12	13.9	18.8	67.2	31.7	116.	51.4	*	MOY	*	.281	.006	-.001	0	.107	3.24	43.2	150.	61.1	3.20	.263
DEBIT MINI 0.0 DATE 1ERE OBSERVATION 27 FEV												DEBIT MINI 0.0 DATE 1ERE OBSERVATION 17 MAR													
DEBIT MAXI 260. DATE 1ERE OBSERVATION 18 OCT												DEBIT MAXI 352. DATE 1ERE OBSERVATION 16 SEP													

TCGO MCNC MONO DOTAIKOPE
 STATION NUMERO 47400111
 ANNEE 1978

CEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.033	0	0	0	3.54	.728	8.36	67.9	167.	249.	93.6	3.88
2	.028	0	0	0	2.45	.829	12.6	55.9	244.	267.	73.9	4.02
3	.024	0	0	.001	2.11	2.99	7.20	48.7	162.	156.	56.8	3.74
4	.024	0	0	0	3.33	2.17	63.4	48.7	109.	109.	52.8	3.47
5	.020	0	0	.039	2.92	8.24	184.	46.1	122.	175.	44.5	3.20
6	.020	0	0	.007	2.38	2.72	78.8	43.2	218.	120.	39.7	2.79
7	.016	0	0	.003	1.84	1.71	41.0	37.5	264.	93.2	37.5	2.38
8	.013	0	0	.005	1.57	1.04	28.4	37.8	193.	75.2	34.9	2.65
9	.013	0	0	.003	1.91	.775	27.5	73.1	125.	162.	30.2	2.51
10	.010	0	0	.002	2.79	8.13	48.1	81.4	101.	322.	26.8	2.38
11	.010	0	0	.001	2.24	5.98	49.0	53.8	143.	163.	24.5	2.24
12	.007	0	0	.002	1.57	2.65	35.2	46.7	122.	97.0	22.4	2.11
13	.005	0	.000	.001	1.45	5.06	42.8	109.	96.1	74.3	20.7	1.97
14	.005	0	0	6.92	1.13	4.34	121.	105.	78.8	59.1	18.2	1.97
15	.005	0	0	2.38	.891	2.58	106.	107.	83.8	50.6	16.4	1.84
16	.003	0	0	.352	.825	1.97	91.2	98.4	143.	45.3	15.1	1.84
17	.003	0	0	.106	2.24	1.45	79.8	63.9	179.	44.0	13.5	1.57
18	.002	0	0	.044	2.38	1.04	241.	76.1	129.	46.6	12.4	1.45
19	.002	0	0	.024	2.51	.829	193.	68.9	125.	41.0	11.1	1.33
20	.002	0	0	.028	2.24	7.44	102.	73.2	177.	35.4	9.68	1.23
21	.002	0	0	.024	2.51	16.7	76.1	90.3	121.	31.5	8.77	1.13
22	.001	0	0	.024	2.38	9.92	51.5	85.3	108.	30.4	7.94	1.04
23	.001	0	0	.359	1.97	7.74	131.	84.7	138.	32.5	7.16	.962
24	.001	0	0	.540	1.45	4.86	232.	84.5	178.	38.3	6.68	.829
25	.001	0	0	.797	1.33	3.81	330.	72.6	131.	38.6	6.00	.829
26	.000	0	0	1.23	.891	3.81	370.	68.4	96.0	31.5	5.59	.891
27	.000	0	0	.681	.775	6.28	190.	57.7	79.1	38.2	5.11	.891
28	.000	0	0	.775	1.13	9.08	177.	82.3	86.3	76.8	4.75	.891
29	0	=	0	.634	.891	10.0	152.	105.	111.	78.1	4.43	.962
30	0	=	0	.587	1.33	7.17	97.5	108.	153.	226.	4.16	.962
31	0	=	0	=	.775	=	80.0	92.4	=	149.	=	1.04

MCY .608 0 .000 .520 1.86 4.74 111. 73.0 139. 102. 23.8 1.90
 DEBIT MINI 0.0 DATE IERE OBSERVATION 29 JAN
 DEBIT MAXI 370. DATE IERE OBSERVATION 26 JUL
 DEBIT MOYEN ANNUEL 36.4 M3/S

TCGO MCNC MONO DOTAIKOPE
 STATION NUMERO 47400111
 ANNEE 1979

CEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	1.04	.188	.010	.000	0	.005	28.6	432.	283.	309.	101.	3.61
2	1.13	.188	.007	.050	0	.003	20.1	476.	259.	268.	53.9	3.33
3	1.13	.188	.005	.038	0	.005	14.1	252.	285.	156.	35.0	3.20
4	1.23	.157	.007	.044	0	0	10.2	233.	280.	154.	28.4	3.06
5	1.33	.129	.005	.157	0	23.1	7.68	219.	472.	105.	29.0	2.92
6	1.45	.129	.005	.070	0	8.95	6.68	258.	579.	88.6	23.8	2.79
7	1.23	.106	.003	.044	0	6.45	16.6	206.	684.	77.1	21.9	2.65
8	1.04	.086	.002	.038	0	5.04	22.4	150.	360.	84.0	33.4	2.51
9	.891	.086	.002	.024	.003	4.22	29.7	184.	456.	191.	25.0	2.38
10	.829	.070	.001	.020	.002	9.81	51.1	150.	483.	211.	21.4	2.24
11	.891	.070	.001	.016	.002	6.34	51.4	104.	250.	102.	17.0	2.11
12	.775	.058	.007	.013	.001	3.13	31.4	98.4	179.	83.4	15.4	1.97
13	.681	.050	.005	.007	.001	3.26	24.9	110.	149.	71.3	13.8	1.97
14	.587	.044	.003	.007	.000	3.54	26.3	142.	117.	63.2	12.5	1.84
15	.493	.044	.002	.005	0	3.47	129.	132.	110.	69.1	11.1	*
16	.446	.038	.002	.003	.003	2.31	58.2	118.	153.	66.3	9.83	*
17	.446	.033	.001	.002	.038	1.84	133.	107.	243.	52.5	8.77	*
18	.493	.033	.002	.001	.033	1.45	97.4	229.	161.	45.8	7.94	*
19	.493	.050	.001	.002	.028	1.04	181.	256.	106.	41.5	6.91	*
20	.493	.058	.001	.001	.024	31.5	143.	179.	145.	37.1	6.56	*
21	.446	.058	.005	.001	.016	26.7	117.	151.	159.	35.2	6.22	*
22	.399	.050	.005	.000	.016	27.8	152.	148.	141.	32.0	5.79	*
23	.399	.038	.003	.000	.013	17.9	319.	199.	243.	29.4	5.39	*
24	.352	.028	.003	0	.007	19.0	476.	139.	256.	27.1	5.02	*
25	.352	.024	.005	0	.005	33.9	515.	165.	166.	25.2	4.75	*
26	.352	.020	.005	0	.003	24.3	481.	297.	155.	30.4	4.59	*
27	.305	.016	.003	0	.003	17.2	479.	260.	182.	30.9	4.43	*
28	.305	.013	.002	0	.002	12.8	314.	164.	116.	39.8	4.16	*
29	.262	=	.002	0	.002	14.1	297.	312.	94.2	31.3	4.02	*
30	.157	=	.001	0	.007	8.64	137.	521.	205.	32.4	3.74	*
31	.223	=	.000	=	.005	=	303.	373.	=	179.	=	*

MCY .666 .073 .004 .018 .007 10.6 151. 218. 246. 89.3 17.7 *
 DEBIT MINI 0.0 DATE IERE OBSERVATION 24 AVR
 DEBIT MAXI 604. DATE IERE OBSERVATION 7 SEP

GENERALITES :

- Superficie du bassin versant : 5 680 km²
- Coordonnées de la station : 7°26'N - 1°26'E
- Cote du zéro de l'échelle : 110.16 (IGN)
- Amplitude de l'échelle : 0 à 10 m
- Accès :-Piste ATAKPAME-RPB
-Accès difficile en hivernage
- Date de création : 28.7.1964
- Cadence des relevés : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 48
- Maximum jaugé : H = 6.34 m
Q = 740 m³/s
Date = 13.9.64
- Nombre de tarages utilisés pour la période 71-79 : 2
- Dernière courbe d'étalonnage utilisée :
. valide du 3.5.71 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,76	0.0	0.0	0.0
0,76 A 0,80	0.0	0.2000	0.0
0,80 A 0,86	10.000	0.4333	0.008
0,86 A 0,97	17.143	2.1143	0.07
0,97 A 1,15	34.862	5.3360	0.510
1,15 A 1,40	27.334	18.766	2.60
1,40 A 1,50	0.0	10.000	9.00
1,50 A 1,65	73.336	32.333	10.0
1,65 A 1,80	53.332	63.333	16.5
1,80 A 2,10	43.330	76.668	27.2
2,10 A 2,60	16.666	101.67	55.0
2,60 A 4,40	6.0185	128.06	110
4,40 A 5,40	16.667	158.33	360
5,40 A 6,60	20.834	199.17	535
6,60 A 8,50	16.466	229.77	804

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1964	*	*	*	*	*	*	*	/	/	/	.	.
1965
1966
1967	/	*	/	*	.	/	/	/
1968	.	.	.	/	.	/	/	.	.	/	/	/
1969	.	/	.	/	/	.	.	/	.	/	/	/
1970	.	.	/	/	/	/	.	/	/	/	.	/
1971	*	*	/	/	.	/	/	.	/	/	.	/
1972	/	/	/	/	.	/	/	/	*	*	*	/
1973	/	.	/	/	.	.	/	.	/	/	/	/
1974	.	.	/	/	/	.	.
1975	.	.	/	/	/	.	/	.	/	/	.	.
1976	.	.	.	/	/	.	/	.	/	/	.	/
1977	.	.	/	/	.	.	/	.	/	/	.	.
1978	/	.	/	/	.	/	/	.	/	/	/	.
1979	/	.	.	.	/	.	/	.	.	/	/	/

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TOGC MONC MJNO N'GAMBOTO
STATION NUMERO 47400115
ANNEE 1971

- SYMBLES UTILISES :

- * signifie : pas de relevé
. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

- COMMENTAIRES :

La station est très stable même en basses eaux et la
traduction hauteur-débit est assez précise.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	*	*	2.26	1.05	2.44	9.65	55.1	195.	*	14.7	1.39
2	*	*	*	2.09	.956	3.94	7.80	44.9	207.	*	13.3	*
3	*	*	*	3.39	.559	3.29	7.15	104.	196.	*	11.6	1.39
4	*	*	*	3.82	3.50	4.39	6.04	165.	275.	*	10.0	1.27
5	*	*	.013	3.61	2.99	3.94	5.00	186.	409.	*	9.10	1.05
6	*	*	.013	2.60	2.09	4.39	5.12	244.	457.	*	8.52	.864
7	*	*	.008	2.42	1.72	4.75	5.76	234.	475.	*	7.60	.864
8	*	*	.006	2.26	1.52	4.75	6.72	199.	407.	*	7.01	.864
9	*	*	.006	2.09	1.39	5.26	6.89	158.	457.	*	6.44	.864
10	*	*	.006	3.61	.959	4.89	*	85.3	433.	*	5.63	1.16
11	*	*	.004	2.26	7.86	3.61	*	128.	347.	*	5.25	.864
12	*	*	.004	2.09	7.45	*	*	162.	423.	*	5.00	.701
13	*	*	.002	*	6.44	*	11.8	207.	348.	*	4.63	.631
14	*	*	0	*	3.50	*	11.2	214.	301.	*	4.28	.567
15	*	*	0	9.00	3.09	*	26.8	216.	500.	*	4.05	.567
16	*	*	0	13.5	2.89	*	23.4	259.	553.	*	3.72	.510
17	*	*	0	10.3	2.26	1.94	19.5	349.	624.	*	2.99	.510
18	*	*	0	7.01	2.02	2.35	20.9	383.	457.	*	2.60	.453
19	*	*	.001	5.20	2.51	2.18	28.0	407.	397.	*	2.60	.453
20	*	*	.002	4.06	2.34	2.20	36.4	550.	322.	*	2.42	.399
21	*	*	.401	3.50	2.26	4.29	117.	564.	272.	*	2.26	.399
22	*	*	.567	2.99	4.87	6.17	248.	556.	239.	*	2.09	.399
23	*	*	.510	2.89	3.54	6.31	75.3	376.	316.	*	1.94	.349
24	*	*	13.4	2.79	3.09	23.7	153.	234.	265.	*	1.79	.349
25	*	*	6.73	1.65	5.25	17.9	44.9	253.	205.	*	1.65	.302
26	*	*	4.05	1.52	4.76	8.68	44.9	285.	170.	*	1.65	.259
27	*	*	3.61	1.39	3.40	12.0	44.9	259.	*	*	1.52	.259
28	*	*	3.61	1.27	2.59	9.40	39.7	282.	*	*	1.52	.219
29	*	=	3.19	1.11	3.09	9.65	66.7	300.	*	18.4	1.39	.219
30	*	=	2.89	1.05	3.72	10.2	94.9	234.	*	14.9	1.79	.219
31	*	=	3.72	=	4.05	=	73.4	185.	=	14.9	=	.219
MOY	*	*	*	*	3.19	*	*	254.	*	*	4.97	*

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 14 MAR

DEBIT MAXI 624. DATE 1ERE OBSERVATION 17 SEP

TOGO MONC MONO N'GAMBOTO
 STATION NUMERO 47400115
 ANNEE 1972

TOGO MONC MONC N'GAMBOTO
 STATION NUMERO 47400115
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.182	.004	0	*	7.60	43.9	27.3	*	*	*	*	*
2	*	.004	.004	*	5.37	113.	43.9	*	*	*	*	*
3	*	.004	.002	*	5.00	149.	43.9	*	*	*	*	*
4	.149	.004	.002	.631	4.07	77.0	*	*	*	*	*	*
5	.149	0	0	.822	2.99	*	*	*	*	*	*	*
6	.149	.003	0	1.06	2.60	*	*	*	*	*	*	*
7	.149	.022	0	2.04	2.02	*	*	*	*	*	*	1.39
8	.119	.007	0	1.59	1.65	*	*	111.	*	*	*	1.27
9	.119	.007	0	3.27	1.52	*	*	*	*	*	*	1.05
10	.093	0	0	6.96	1.80	*	*	*	*	*	*	1.05
11	.070	0	0	3.10	2.10	*	*	*	*	*	*	.956
12	.070	.006	0	1.81	2.18	32.1	*	*	*	*	*	.864
13	.070	.006	0	1.46	1.65	30.9	*	*	*	*	*	.779
14	.070	.006	0	*	1.39	29.6	*	*	*	*	*	.701
15	.070	.005	0	*	1.33	29.2	*	*	*	*	*	.701
16	.055	.004	0	*	1.11	32.1	*	*	*	*	*	.631
17	.055	.004	0	1.87	1.01	33.0	*	*	*	*	*	.567
18	.055	.004	0	2.35	.701	36.1	*	*	*	*	*	.567
19	.041	*	0	4.51	.599	42.0	189.	*	*	*	*	.510
20	*	.002	0	24.3	.835	43.9	129.	*	*	*	*	.510
21	.055	.002	*	24.2	2.64	41.5	71.1	*	*	*	*	.453
22	.041	.004	0	8.18	3.09	38.7	71.1	*	*	*	*	.453
23	.021	.002	0	5.13	6.93	38.3	43.9	*	*	*	*	.399
24	.021	.002	0	4.75	9.03	42.9	68.8	*	*	*	*	.399
25	.013	.002	0	10.7	15.3	40.1	72.9	*	*	*	*	.349
26	.013	0	0	9.09	23.0	34.7	43.9	*	*	*	*	.349
27	.013	0	0	7.45	36.4	33.0	*	*	*	*	*	.302
28	*	0	.109	5.76	43.9	32.1	*	*	*	*	*	.259
29	*	0	.239	5.60	59.1	28.4	*	*	*	*	*	.259
30	*	=	.219	6.51	74.6	23.0	*	*	*	*	*	.259
31	.006	=	.134	=	43.9	=	*	*	=	*	=	.219
MOY	*	*	*	*	13.1	*	*	*	*	*	*	*
DEBIT MINI				0.0								
DEBIT MAXI				189.								
DATE 1ERE OBSERVATION												5 FEV
DATE 1ERE OBSERVATION												19 JUL

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.219	.021	0	.864	.453	.006	2.42	139.	77.1	225.	*	*
2	.182	.021	*	*	.302	.008	*	108.	61.2	*	*	*
3	*	.021	0	.779	.325	.008	*	119.	*	333.	42.9	*
4	*	.013	0	.666	.453	.007	103.	163.	203.	468.	37.8	1.65
5	.779	.008	0	.510	.980	.036	39.8	212.	320.	347.	32.1	1.52
6	.701	.008	0	.374	1.22	1.89	44.4	185.	290.	467.	29.2	1.52
7	.701	.006	0	2.85	.959	2.09	44.9	245.	233.	458.	26.8	1.39
8	.779	.006	0	1.63	.740	1.66	39.7	294.	197.	288.	24.5	1.39
9	.779	.004	0	2.93	.510	1.33	50.5	255.	139.	227.	22.6	1.27
10	.779	.004	0	1.13	.374	1.22	44.9	257.	195.	256.	18.8	1.05
11	.779	.002	0	.483	.239	1.05	36.6	228.	*	263.	17.5	1.05
12	.631	.002	0	.260	.165	.783	32.2	148.	414.	211.	16.2	.956
13	.510	0	0	.165	.134	.599	57.6	125.	398.	158.	*	.864
14	.453	0	0	.523	.106	.538	44.9	117.	668.	127.	*	.779
15	.399	0	0	.458	.081	.426	43.4	109.	644.	105.	13.1	.701
16	.349	0	0	.200	.121	.634	42.0	78.7	434.	88.7	12.0	.701
17	.259	0	0	.219	.165	.701	38.4	127.	289.	74.9	11.2	.631
18	.259	0	0	.165	1.52	.599	29.6	150.	236.	62.7	8.35	.779
19	.219	0	0	.165	.917	.599	*	136.	225.	55.0	5.63	.701
20	.182	0	0	.455	.377	.631	21.6	164.	232.	50.4	5.12	.631
21	.149	0	0	.184	.220	.599	18.1	299.	196.	47.3	4.63	*
22	.119	0	0	.106	.134	.740	15.5	280.	192.	46.8	4.39	.453
23	.119	0	0	.434	.121	.779	16.4	248.	258.	46.3	3.94	.453
24	.093	0	0	1.01	.062	.740	14.5	232.	496.	45.4	3.61	.399
25	.093	0	0	.822	.048	.701	13.2	223.	502.	45.8	3.39	.349
26	.070	0	0	1.74	.036	.740	22.7	195.	352.	44.9	3.09	.349
27	.070	0	0	1.72	.030	.910	41.1	169.	241.	53.4	2.89	.302
28	.055	0	0	1.28	.021	.740	40.2	124.	191.	76.8	2.60	.302
29	.055	=	0	.959	.017	.599	31.0	141.	189.	51.9	2.42	.259
30	.041	=	.129	.634	.011	.747	24.9	127.	199.	48.3	2.18	.259
31	.030	=	.302	=	.007	=	54.1	92.1	=	45.8	=	.219
MOY	*	.004	*	*	.350	.737	*	177.	*	*	*	*
DEBIT MINI				0.0								
DEBIT MAXI				666.								
DATE 1ERE OBSERVATION												13 FEV
DATE 1ERE OBSERVATION												14 SEP

STATION NUMERO 47400115													STATION NUMERO 47400115																
ANNEE 1974													ANNEE 1975																
DEBITS MOYENS JOURNALIERS EN M3/S													DEBITS MOYENS JOURNALIERS EN M3/S																
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC						
1	.219	.004	0	0	.021	.055	1.07	438.	310.	197.	43.9	3.19	1	.349	.008	0	0	1.39	3.39	6.58	336.	95.5	442.	33.9	4.51				
2	.182	.002	0	0	.041	.041	1.72	357.	268.	*	54.0	2.99	2	.302	.008	0	0	*	3.39	*	348.	79.3	432.	32.1	4.51				
3	.182	.002	*	0	.070	.041	1.46	447.	227.	*	43.9	2.79	3	.302	.006	0	*	.956	4.40	*	425.	107.	439.	29.6	4.51				
4	.149	0	*	0	.053	.030	1.33	381.	253.	*	46.8	2.60	4	.259	.034	0	*	.783	5.00	11.4	354.	286.	445.	26.4	3.82				
5	.149	0	*	0	.290	.036	1.94	305.	299.	300.	41.6	2.42	5	.219	.004	0	0	.599	6.44	74.9	266.	323.	*	24.1	3.39				
6	.119	0	0	0	.284	.030	2.42	231.	552.	313.	29.2	2.09	6	.182	.004	0	1.30	.455	5.25	28.1	306.	322.	468.	21.9	3.19				
7	.119	0	0	*	.165	.041	1.94	213.	552.	282.	28.0	2.09	7	.149	.034	0	.401	.426	4.39	21.2	352.	277.	437.	20.5	3.39				
8	.093	0	0	0	.225	.041	1.59	183.	672.	202.	25.3	1.94	8	.119	.002	0	.377	.345	3.94	17.1	384.	*	322.	19.1	2.99				
9	.093	0	0	0	.864	.025	1.59	158.	587.	157.	23.0	1.79	9	.119	.006	0	.291	.280	2.89	28.4	344.	323.	343.	17.1	2.79				
10	.070	0	0	0	.740	.055	1.52	168.	619.	148.	20.5	1.65	10	.093	.034	0	.151	.239	19.0	47.2	379.	263.	356.	16.0	2.60				
11	.070	0	0	0	.666	.109	1.65	138.	655.	185.	18.8	1.65	11	.070	.004	0	.106	.182	23.9	66.9	372.	267.	315.	14.4	2.42				
12	.070	0	.006	0	.570	.134	5.01	110.	631.	250.	16.8	1.52	12	.055	.002	0	.074	.149	9.70	200.	278.	223.	272.	13.1	2.26				
13	.055	0	.021	0	.426	.081	6.05	99.5	603.	271.	15.2	1.39	13	.041	0	0	.311	.165	27.0	117.	260.	285.	269.	11.8	2.09				
14	.055	0	.030	0	.325	.048	7.89	79.9	564.	195.	14.2	1.27	14	.041	0	0	3.60	1.87	15.0	117.	266.	262.	207.	11.0	2.09				
15	.055	0	.021	1.39	.302	.980	12.6	67.4	489.	147.	12.8	1.16	15	.030	0	0	4.68	.329	6.31	166.	342.	250.	167.	10.3	1.79				
16	.041	0	.013	.349	1.44	1.39	27.7	113.	366.	127.	11.8	1.05	16	.030	0	0	3.42	.184	5.00	125.	316.	296.	152.	8.36	1.65				
17	.041	0	.008	.349	1.87	1.16	80.3	245.	369.	121.	10.5	1.05	17	.021	0	*	3.88	.106	4.28	99.5	325.	317.	131.	7.75	1.52				
18	.030	0	.006	.259	1.59	.910	54.6	327.	592.	97.8	8.52	.956	18	.021	0	0	5.75	.081	3.61	124.	308.	282.	137.	7.15	1.52				
19	.030	0	.006	.219	.955	.666	40.6	267.	500.	81.5	7.45	.864	19	.021	0	0	4.48	.062	3.09	96.6	241.	279.	154.	6.86	1.39				
20	.030	0	.006	.182	.634	.567	57.7	180.	398.	87.4	6.72	.779	20	.021	0	0	6.28	.055	17.5	113.	200.	279.	124.	7.45	1.39				
21	.021	0	.006	.149	.455	.481	43.9	122.	300.	92.2	6.17	.701	21	.021	0	0	5.42	.041	14.4	113.	122.	245.	96.0	6.86	1.27				
22	.021	0	.004	.149	.349	.374	92.8	92.1	282.	65.3	5.63	.701	22	.021	0	0	3.51	.406	13.6	89.3	182.	288.	75.5	6.30	1.16				
23	.021	0	.004	.053	.280	.325	175.	85.9	236.	59.6	5.25	.631	23	.021	0	0	3.00	2.89	11.6	74.4	202.	331.	64.3	5.76	1.16				
24	.013	0	.002	.070	.200	.374	304.	193.	198.	56.5	4.87	.567	24	.021	0	0	4.28	3.00	9.70	57.6	207.	532.	56.5	5.25	1.16				
25	.013	0	0	.055	.165	.453	397.	150.	171.	55.0	4.63	.510	25	.021	0	0	2.99	2.26	7.16	241.	168.	485.	55.5	5.25	1.27				
26	.013	0	0	.041	.134	.481	238.	134.	182.	52.4	4.28	.510	26	.021	0	0	4.87	1.72	6.17	321.	137.	335.	50.8	4.75	1.05				
27	.008	0	0	.030	.053	.666	157.	164.	220.	49.3	4.05	.453	27	.013	0	0	3.72	3.41	6.33	226.	177.	379.	*	5.25	.956				
28	.008	0	0	.021	.119	.701	140.	134.	203.	42.9	3.82	.453	28	.013	0	0	3.09	3.82	7.60	182.	180.	460.	43.9	5.50	.956				
29	.006	=	0	.013	.053	.666	145.	118.	181.	39.7	3.61	.399	29	.013	=	0	2.34	4.05	7.30	127.	140.	629.	40.6	5.50	1.05				
30	.006	=	0	.013	.070	1.01	189.	187.	162.	38.3	3.39	.399	30	.013	=	0	1.66	4.39	6.03	122.	127.	602.	37.8	5.00	1.16				
31	.006	=	0	=	.055	=	341.	224.	=	51.4	=	.349	31	.013	=	0	=	3.61	=	219.	93.2	=	35.6	=	.956				
MGY	.064	.000	*	*	.438	.399	81.8	197.	388.	*	17.5	1.32	MGY	.085	.002	*	*	*	8.78	*	262.	*	*	13.1	2.13				
DEBIT MINI			0.0				DATE IERE RESERVATION					4 FEV			DEBIT MINI			0.0				DATE IERE RESERVATION					13 FEV		
DEBIT MAXI			€72.				DATE IERE RESERVATION					8 SEP			DEBIT MAXI			629.				DATE IERE RESERVATION					25 SEP		

STATION NUMERO 47400115												STATION NUMERO 47400115													
ANNEE 1978												ANNEE 1979													
CEBITS MOYENS JOURNALIERS EN M3/S												CEBITS MOYENS JOURNALIERS EN M3/S													
TGDC	MONC			MONO			N'GAMBOTO					TGDC	MONC			MONO			N'GAMBOTO						
JAN	FEV	MAR	AVR	MAI	JUN	JUL	ACU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.219	0	0	1.22	3.50	3.94	23.4	125.	313.	369.	250.	8.05	1	1.94	.453	.002	.200	.215	1.59	81.8	925.	791.	533.	306.	7.75
2	.219	0	0	1.22	3.09	2.89	34.3	105.	374.	421.	186.	7.75	2	1.79	.395	0	25.5	.567	1.52	65.4	805.	642.	532.	192.	6.86
3	.219	0	0	1.11	5.12	5.37	31.7	91.5	339.	401.	140.	7.15	3	2.89	.395	0	5.55	*	1.66	47.9	700.	563.	349.	138.	6.30
4	.145	0	0	.910	4.40	52.9	62.1	87.0	268.	296.	116.	6.86	4	2.60	.345	0	2.54	*	1.67	34.3	501.	632.	327.	66.9	6.03
5	.119	0	0	1.52	4.40	29.5	87.6	74.9	*	274.	102.	6.86	5	2.51	.345	0	2.27	.219	6.18	27.2	524.	733.	296.	68.5	6.03
6	.119	0	0	1.39	4.63	22.3	199.	69.6	423.	265.	89.8	6.58	6	2.34	.302	0	5.81	.259	3.40	26.0	483.	759.	219.	61.7	5.50
7	.093	0	0	*	4.87	28.0	105.	60.6	408.	215.	79.3	6.03	7	2.09	.259	0	3.61	*	4.83	30.9	511.	794.	182.	46.3	*
8	.093	0	0	1.52	4.28	20.5	70.1	59.6	380.	180.	76.5	6.03	8	1.94	.215	0	2.43	*	13.8	34.4	407.	910.	167.	*	*
9	.093	0	0	3.07	3.50	19.8	55.0	60.6	290.	168.	70.6	5.25	9	*	.182	0	1.66	*	11.1	44.0	345.	881.	193.	*	*
10	.070	0	0	5.14	3.09	101.	60.1	103.	229.	515.	59.1	4.75	10	*	.182	0	1.22	*	8.37	35.2	297.	691.	248.	*	*
11	*	0	0	3.40	2.70	76.0	*	103.	241.	560.	51.9	4.75	11	*	.149	0	.910	*	9.05	55.0	257.	688.	*	39.7	*
12	.055	0	0	2.35	2.26	*	82.6	73.4	232.	271.	45.4	4.51	12	2.26	.149	0	.740	*	11.1	*	234.	464.	*	35.2	*
13	.041	0	0	1.80	4.40	*	69.6	68.6	210.	192.	39.7	4.51	13	2.99	.149	0	.570	*	12.7	*	246.	333.	*	34.3	*
14	.041	0	0	1.46	5.50	*	60.6	119.	170.	156.	37.4	4.28	14	2.51	.119	0	.510	*	8.52	178.	283.	359.	*	32.2	*
15	.041	0	0	1.22	4.39	28.8	135.	135.	150.	136.	33.9	4.05	15	2.02	.093	0	.453	*	7.30	151.	272.	229.	*	29.2	*
16	.030	0	*	11.4	4.05	24.1	166.	133.	174.	*	31.3	3.82	16	1.79	.093	0	.374	*	6.17	253.	275.	304.	*	26.8	*
17	.030	0	0	10.7	4.16	*	113.	124.	223.	98.3	28.4	3.61	17	1.65	.070	0	.325	*	5.76	207.	263.	362.	*	24.5	3.39
18	.030	0	0	5.77	4.87	*	343.	88.1	288.	114.	26.0	3.39	18	1.46	.055	0	.280	*	5.50	169.	457.	379.	*	22.3	3.19
19	.021	0	0	4.51	4.63	*	430.	104.	191.	101.	24.5	3.19	19	1.27	.055	0	.259	*	5.76	542.	659.	346.	70.6	20.1	2.99
20	.021	0	0	3.19	3.94	16.0	274.	107.	219.	89.3	22.3	3.19	20	1.22	.041	0	.302	*	19.5	354.	522.	300.	62.2	18.5	2.79
21	.013	0	0	2.89	3.50	14.9	177.	105.	272.	74.4	20.5	2.99	21	1.11	.030	.056	.325	*	43.4	245.	374.	292.	56.0	16.2	2.79
22	.008	0	0	2.70	3.82	34.7	112.	211.	279.	66.9	19.1	2.99	22	1.05	.021	.093	.345	*	39.7	307.	361.	313.	50.3	15.2	2.60
23	.006	0	0	2.70	3.94	38.3	342.	131.	274.	91.5	*	2.79	23	*	.021	.081	.351	*	104.	471.	392.	379.	45.4	13.7	2.60
24	.004	0	0	2.64	3.82	33.9	276.	135.	369.	111.	15.7	2.60	24	.864	.013	.070	.259	*	114.	965.	416.	429.	*	12.8	2.79
25	.004	0	0	2.71	3.50	25.3	338.	131.	342.	98.4	14.7	2.42	25	.779	.008	.577	.219	2.42	108.	1197.	356.	426.	*	12.0	2.79
26	.002	0	.783	2.83	3.09	19.5	398.	102.	230.	79.3	13.5	2.42	26	.701	.008	1.22	.426	2.26	71.9	1189.	469.	341.	48.8	11.0	2.60
27	0	0	.822	4.41	2.71	16.2	396.	109.	180.	82.2	12.4	2.26	27	.666	.006	.829	.374	2.18	51.0	1144.	511.	300.	52.5	10.2	2.60
28	0	0	.666	1.94	2.51	17.8	277.	115.	*	131.	11.6	2.42	28	.567	.004	.455	.349	1.80	34.7	829.	436.	262.	57.6	9.00	2.42
29	0	=	.538	2.53	2.34	27.1	246.	152.	218.	162.	10.5	2.09	29	.510	=	.280	.374	1.59	33.4	571.	476.	214.	51.4	8.84	2.26
30	0	=	.426	4.40	2.18	18.1	203.	158.	242.	288.	9.18	1.94	30	.510	=	.239	.280	1.59	33.5	387.	464.	405.	57.6	7.90	2.09
31	0	=	.616	=	2.54	=	159.	149.	=	330.	=	1.94	31	.481	=	.182	=	1.72	=	537.	812.	=	98.3	=	1.94
MOY	*	0	*	*	3.73	*	*	109.	*	*	*	4.24	MOY	*	.149	.132	1.96	*	26.0	*	453.	484.	*	*	*
DEBIT MINI	0.0			DATE 1ERE DESERVATION 27 JAN									DEBIT MINI	0.0			DATE 1ERE DESERVATION 2 MAR								
DEBIT MAXI	560.			DATE 1ERE DESERVATION 11 OCT									DEBIT MAXI	1157.			DATE 1ERE DESERVATION 25 JUL								

GENERALITES :

- Superficie du bassin versant ----- : 20 500 km²
- Coordonnées de la station ----- : 7°01'N - 1°33'E
- Cote du zéro de l'échelle ----- : 59 (IGN) environ
- Amplitude de l'échelle ----- : 0 à 9 m
- Accès ----- : -radier de la route
NOTSE-TOHOUN
-Accès difficile en
hivernage
- Date de création ----- : 11.3.1951
- Cadence des relevés ----- : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 ----- : 55
- Maximum jaugé ----- : H = 5.62 - 5.74 m
Q = 768 m³/s
Date = 16.10.57
- Nombre de tarages utilisés pour la
période 71-79 ----- : 1
- Dernière courbe d'étalonnage utilisée :
. valide du 23.9.70 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,26	0.0	0.0	0.0
0,26 A 0,34	0.0	0.1000	0.0
0,34 A 0,50	6.3750	0.6175	0.008
0,50 A 0,65	17.667	3.6167	0.270
0,65 A 0,80	16.000	10.200	1.21
0,80 A 1,01	24.588	13.408	3.10
1,01 A 1,20	39.135	30.986	7.00
1,20 A 1,50	25.001	46.500	14.3
1,50 A 2,30	27.083	60.208	30.5
2,30 A 2,90	29.167	119.17	96.0
2,90 A 3,70	15.000	155.50	178
3,70 A 5,60	0.0	193.68	312
5,60 A 6,60	9.1663	203.83	680
6,60 A 8,30	8.9962	294.71	893

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1951	*	*	/	.	/	/	*	/
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961	*	.	.	/
1962
1963	/	.	.	.	/	/
1964
1965
1966
1967	*
1968
1969
1970
1971	/	.	.	.
1972	.	/
1973
1974	/	.	.
1975
1976
1977	/	.	.
1978
1979	.	.	/	.	.	.	/	/	.	/	.	.

. signifie mois complet

/ signifie mois incomplet

* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TGCC MONE MONE TETETOU
 STATION NUMERO 47400117
 ANNEE 1971

- SYMBLES UTILISES :

- * signifie : pas de relevé
 . + signifie : les hauteurs lues sont supérieures
 à la cote maximale fixée pour
 l'extrapolation de la courbe
 d'étalonnage

- COMMENTAIRES :

Pour les hautes eaux ($Q > 500 \text{ m}^3/\text{s}$) la station ne
 semble pas être univoque, les débits correspondant
 donnés dans ces annales, ayant été calculés à partir
 d'une courbe de tarage, ne sont donc pas très précis.

	CEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	1.76	.551	.329	3.83	1.94	4.24	13.0	115.	*	149.	16.7	3.68
2	1.76	.495	.289	3.53	1.82	2.95	15.0	103.	*	136.	15.2	3.68
3	1.64	.495	.257	3.24	1.64	2.59	12.5	113.	*	131.	14.3	3.52
4	1.64	.443	.270	2.81	1.53	2.59	10.1	120.	*	116.	13.8	3.52
5	1.53	.443	.310	2.46	1.37	4.11	14.3	165.	*	103.	12.5	3.38
6	1.53	.394	.445	2.32	1.43	5.18	18.2	195.	*	113.	11.3	3.38
7	1.42	.345	.584	2.97	1.82	4.33	17.2	228.	*	109.	10.1	3.38
8	1.42	.345	.959	3.68	1.53	4.16	17.7	236.	*	114.	9.73	3.38
9	1.31	.308	1.04	3.68	1.82	3.75	20.8	193.	*	108.	8.65	3.24
10	1.21	.308	1.08	3.68	1.88	4.24	18.9	158.	*	101.	7.96	3.24
11	1.21	.270	1.59	3.38	1.76	4.16	18.4	140.	*	89.4	7.31	3.24
12	1.12	.270	2.32	3.10	2.26	4.33	22.9	126.	*	86.9	6.77	3.10
13	1.04	.244	2.00	2.95	2.59	4.51	16.4	158.	*	101.	5.06	3.10
14	1.04	.244	1.65	3.24	3.39	5.07	15.7	258.	*	105.	4.87	3.10
15	.958	.219	1.17	3.45	7.20	5.77	15.7	305.	*	84.6	4.87	3.10
16	.958	.219	1.04	3.45	4.57	5.07	17.4	358.	*	76.9	4.87	2.95
17	.882	.196	1.17	4.02	4.25	4.33	19.2	434.	*	56.9	4.69	2.95
18	.808	.196	1.42	4.69	4.08	3.60	24.6	414.	*	51.8	4.69	2.95
19	.808	.174	1.26	9.06	4.00	3.10	31.7	433.	*	46.9	4.51	2.95
20	.808	.174	1.59	7.20	3.38	2.47	44.8	468.	*	45.1	4.51	2.81
21	.739	.153	1.70	6.20	2.59	2.66	78.0	535.	*	50.3	4.33	2.81
22	.739	.153	1.70	4.51	2.46	2.81	114.	556.	*	65.7	4.33	2.81
23	.739	.219	1.64	4.00	2.39	3.03	131.	596.	*	56.9	4.16	2.81
24	.672	.308	1.76	3.68	2.74	3.39	173.	458.	*	49.5	4.16	2.66
25	.672	.394	2.26	3.31	3.31	4.24	195.	331.	*	41.9	3.99	2.66
26	.672	.394	2.66	2.68	3.52	5.09	160.	320.	*	35.8	3.99	2.66
27	.672	.394	3.24	2.53	3.45	10.1	60.2	308.	*	31.4	3.99	2.66
28	.610	.345	4.24	2.32	3.68	9.00	52.9	312.	*	26.9	3.83	2.53
29	.610	=	4.60	2.00	3.52	8.87	45.9	315.	180.	24.0	3.83	2.53
30	.610	=	4.42	1.76	3.60	12.1	68.8	292.	150.	21.3	3.68	2.53
31	.610	=	3.99	=	3.68	=	134.	275.	=	18.7	=	2.39
MOY	1.04	.311	1.71	3.66	2.89	4.73	51.6	291.	*	75.7	7.09	3.02
				DEBIT MINI	0.153		DATE 1ERE OBSERVATION			21 FEV		
				DEBIT MAXI	596.		DATE 1ERE OBSERVATION			23 AOU		

GENERALITES :

- Superficie du bassin versant : 250 km²
- Coordonnées de la station : 7°24'N - 0°52'E
- Cote du zéro de l'échelle : 253 (IGN) environ
- Amplitude de l'échelle : 0 à 4 m
- Accès : Pont de la route
KPALIME-ATAKPAME
- Date de création : 26.2.1957
- Cadence des relevés : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31-12-79 : 74
- Maximum jaugé : H = 0.90 m
Q = 10.8 m³/s
Date = 31.10.63
- Nombre de tarages utilisés pour la
période 71-79 : 3
- Dernière courbe d'étalonnage utilisée :
. valide du 22.9.74 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,15	13.333	0.0	0.0
0,15 A 0,30	14.667	3.6667	0.3000
0,30 A 0,40	12.000	8.8000	1.1800
0,40 A 0,60	0.0	10.600	2.1800
0,60 A 0,80	40.000	10.500	4.3000
0,80 A 1,00	120.00	26.000	8.0000
1,00 A 2,80	0.0855	75.957	18.000

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1957	*	/
1958
1959
1960
1961	/	.
1962	/	.	/	*	*	*
1963	/	*	/	.	.	.	*	*	/	.	.	.
1964	/	.	.
1965	/
1966	/	*	*	.	.	.	/	*	*	*	*	*
1967	/	*	*	/
1968
1969
1970
1971	.	/	.	/
1972
1973	/	.	/
1974	.	.	.	/	/	.
1975	/
1976	/	.	.	.
1977	.	/	.	.	/	/	.	/	/	/	.	.
1978	/	/	/	.	.	/	.	.
1979	.	.	/	/	.	.	/

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TUOC MCNC AMOU AMOU - OBLO
STATION NUMERO 47400505
ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures
à la cote maximale fixée pour
l'extrapolation de la courbe
d'étalonnage.

- COMMENTAIRES :

- Nous avons dû extrapoler fortement la courbe d'étalonnage. Les débits supérieurs à 12 m³/s donnés dans ces annales sont assez incertains.

- La cadence des relevés est insuffisante compte tenu de la rapidité des crues à la station. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire, des débits donnés dans ces annales pour l'étude des crues et des modules.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.506	.273	.314	.383	.513	.383	1.17	2.45	9.13	6.88	1.73	.995
2	.457	.281	.423	1.61	.397	.393	.956	2.30	16.6	6.05	1.60	.917
3	.387	.281	.332	.812	.351	.350	1.33	4.02	15.2	6.21	1.48	.917
4	.360	.281	.323	.598	.341	.506	2.48	3.25	10.9	5.35	1.37	.917
5	.351	.281	.667	.646	.332	.492	1.49	5.65	8.04	5.35	1.37	.917
6	.351	*	.395	.509	.298	.395	1.22	4.51	8.04	4.86	1.37	.845
7	.332	*	.341	.452	.341	.363	1.32	5.53	8.03	4.51	1.37	.845
8	.350	.265	.332	.425	.324	.371	1.38	4.40	6.21	4.28	1.27	.845
9	.306	.281	.297	.452	1.30	.351	1.13	3.85	6.54	5.19	1.27	.845
10	.350	.265	.341	1.57	.536	.806	1.04	3.44	6.72	3.95	1.17	1.27
11	.332	.273	.315	.818	.413	.457	.956	3.25	6.91	4.30	1.17	.917
12	.323	.443	.289	1.24	.383	.373	.812	2.97	9.63	4.17	1.17	.845
13	.314	.617	.261	.782	.373	1.93	1.05	3.15	12.6	3.64	1.08	.845
14	.297	.360	.297	.845	.360	.619	1.33	2.97	21.7	3.34	.995	.845
15	.306	.324	.342	.675	.341	.492	.995	2.53	23.3	3.15	.917	.845
16	.297	.323	.306	.573	.332	.457	17.0	3.23	18.0	2.97	.917	.845
17	.314	.306	.281	.509	.314	.425	26.8	4.84	20.7	2.79	.917	.845
18	.314	.281	.281	.490	.420	.397	14.1	4.62	38.1	2.79	.917	.779
19	.297	.273	.289	.452	.687	.409	7.28	3.95	24.5	3.34	.956	.779
20	.306	.281	.383	.443	.409	.476	10.6	4.99	21.8	2.97	.917	.720
21	.306	.289	.943	.409	.341	.708	6.37	4.99	14.8	2.62	.917	.720
22	.297	.289	.946	.409	.342	.598	5.24	4.98	12.0	2.45	.845	.720
23	.297	.281	3.29	.397	.373	.723	4.40	4.28	26.4	2.45	.845	.720
24	.297	.273	.887	.423	.332	.669	3.74	3.85	21.0	2.29	.812	.720
25	.289	.273	1.48	.409	.332	.492	3.65	3.34	15.5	2.14	.779	.720
26	.281	.545	1.30	.357	.306	.457	2.97	3.06	14.8	2.00	.750	.720
27	.289	.506	.720	.425	.314	2.98	2.62	2.79	12.0	2.00	1.45	.720
28	.289	.351	.571	.423	.297	2.38	2.29	2.45	9.86	1.86	1.04	.667
29	.273	=	.429	*	.587	2.74	2.07	2.29	8.91	1.86	1.08	.667
30	.297	=	.439	.587	.373	1.43	2.47	70.7	7.63	2.00	1.51	.667
31	.297	=	.425	=	.332	=	2.79	16.1	=	1.86	=	.720
MOY	.325	*	.589	*	.409	.788	4.29	6.30	14.5	3.54	1.13	.817
					DEBIT MINI	0.265		DATE 1ERE OBSERVATION		8 FEV		
					DEBIT MAXI	70.7		DATE 1ERE OBSERVATION		30 AOU		

STATION NUMERO 47400505 ANNEE 1978												STATION NUMERO 47400505 ANNEE 1979													
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S													
TGGG	MONG			AMOU			AMOU - OBLO						TJGC	MONG			AMOU			AMOU - OBLO					
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.338	.161	1.10	.423	1.10	1.45	*	3.88	3.56	9.60	7.24	1.75	1	1.10	.520	.338	*	.574	3.08	11.2	5.00	4.36	12.9	3.29	1.85
2	.338	.161	.749	.423	.749	.951	*	3.56	3.35	7.74	6.14	1.65	2	1.02	.573	.300	*	.781	2.28	7.90	4.65	4.03	16.3	3.72	1.75
3	.338	.133	1.10	.379	.687	.881	*	3.35	3.03	7.00	5.57	1.55	3	.951	.520	.574	*	.546	1.70	6.46	4.73	5.27	13.0	3.35	1.65
4	.300	.133	.749	.423	.573	.813	*	3.35	2.92	6.77	5.57	1.55	4	.951	.520	.601	*	.604	1.60	5.49	4.41	4.47	9.65	3.19	1.55
5	.300	.192	.573	2.50	.573	1.45	*	3.24	3.13	5.75	5.23	1.45	5	.881	.520	.472	*	.991	3.82	5.59	6.79	15.8	8.15	4.80	1.45
6	.300	.192	1.75	1.02	.520	2.39	*	3.24	3.24	5.57	5.07	1.45	6	.881	.470	.359	*	2.71	4.71	5.40	4.93	9.06	7.49	3.88	1.45
7	.300	.133	.681	1.10	1.02	12.3	*	3.03	3.13	4.93	4.65	1.45	7	.881	.470	.338	*	1.46	3.61	4.79	4.53	9.90	6.56	3.61	1.45
8	.300	.133	.629	1.36	*	4.37	*	2.92	2.82	4.78	4.30	1.65	8	.881	.470	.319	*	2.02	3.29	4.30	4.30	9.13	6.25	3.50	1.36
9	.379	.108	.520	.813	.520	3.66	*	3.13	2.92	8.00	4.09	1.36	9	.813	.470	.300	*	4.81	3.24	*	3.98	7.13	6.05	3.29	1.31
10	.300	.108	.423	.629	.629	7.24	*	2.82	3.77	11.8	4.41	1.27	10	.813	.470	.300	1.10	2.87	2.87	3.98	3.77	6.46	5.40	3.19	1.27
11	.300	.108	.813	.573	.573	6.77	*	2.71	3.77	7.49	3.98	1.18	11	.813	.423	.300	.813	2.29	3.24	3.72	3.66	9.80	5.00	3.08	1.18
12	.300	.133	3.45	.573	1.85	4.65	*	3.13	3.24	6.77	3.77	1.27	12	.813	.423	.300	.658	2.44	3.24	3.66	3.56	7.74	4.86	2.92	1.18
13	.300	1.65	3.89	.520	1.02	3.98	*	2.71	3.03	5.75	3.56	1.27	13	1.18	.520	.470	.629	7.06	3.03	4.25	3.50	8.28	4.41	2.76	1.18
14	.300	.336	2.82	.520	1.27	33.2	4.19	2.39	6.14	*	3.35	1.18	14	.813	.520	.300	.573	4.09	2.76	4.99	3.29	7.74	4.30	2.71	1.10
15	.300	.261	1.75	1.27	.551	20.3	4.30	2.39	4.19	5.94	3.24	1.18	15	1.02	.813	.300	.520	3.19	2.44	12.3	3.24	6.89	4.14	2.55	1.10
16	.338	.520	1.27	.749	.681	33.2	3.77	2.18	4.30	4.93	3.13	1.18	16	.813	.520	.300	.470	3.61	2.55	7.39	3.24	8.74	4.03	2.50	1.10
17	.261	1.18	.951	.681	.813	21.8	5.75	2.18	3.66	5.07	2.92	1.18	17	.813	.520	.263	.447	21.5	2.29	6.44	3.24	6.67	4.03	2.39	1.10
18	.300	.520	.813	.687	1.27	*	103.	2.29	12.3	4.65	2.82	1.18	18	.813	.520	.366	.495	7.64	3.45	5.75	3.45	5.84	3.88	2.23	1.10
19	.687	.423	.749	.573	1.10	*	58.3	2.18	7.49	5.75	2.71	1.10	19	.749	.629	.404	.750	5.89	3.82	5.85	3.40	5.49	3.72	2.18	1.02
20	.338	.300	.687	.573	.681	*	30.9	2.07	10.4	4.93	3.03	1.10	20	.687	.470	.338	.520	4.42	4.36	4.86	3.08	11.1	6.28	2.34	1.10
21	.300	.261	.629	1.18	.681	*	20.3	2.71	14.6	5.94	2.50	1.10	21	.629	.423	.401	.470	3.72	3.93	6.74	3.03	8.00	4.61	2.55	1.10
22	.261	.225	.629	.687	.749	*	13.4	2.50	13.4	5.75	2.39	1.10	22	.629	.470	.340	.495	3.24	3.61	5.40	2.97	12.1	4.03	2.18	2.82
23	.225	.192	2.39	1.02	.687	*	12.3	2.60	11.3	6.34	2.18	1.10	23	.629	.470	.300	.601	2.82	4.09	6.56	4.71	10.2	3.72	2.07	1.46
24	.225	.300	1.02	1.36	.667	*	6.57	2.92	11.8	7.00	2.18	1.10	24	.629	.520	.300	.447	2.71	3.82	5.57	3.61	15.0	3.66	1.96	1.14
25	.225	2.92	.613	1.27	.573	*	7.24	2.39	24.8	5.94	2.18	1.10	25	.629	.470	2.18	.496	2.23	4.75	6.91	3.24	37.4	3.61	1.85	1.18
26	.192	.749	.687	1.65	.520	*	6.34	2.29	14.0	5.40	2.07	1.18	26	.573	.423	.520	.810	2.07	4.42	6.56	3.24	25.6	5.34	1.85	1.10
27	.192	.470	.573	1.55	.520	*	5.57	9.60	10.4	7.49	1.96	1.27	27	.629	.379	.401	.319	1.96	3.82	6.14	3.29	16.3	4.19	1.80	1.06
28	.192	.687	.520	1.45	.667	*	5.23	4.93	14.0	5.94	1.96	1.45	28	.573	.338	.338	.687	1.70	3.93	5.49	4.69	11.8	3.77	2.50	1.10
29	.161	=	.470	1.02	.629	6.14	4.93	4.41	9.60	5.75	1.85	1.65	29	.573	=	*	.687	1.55	21.2	6.00	3.93	10.0	3.40	2.01	1.06
30	.161	=	.423	.813	.573	*	4.30	4.19	18.0	6.34	1.85	1.18	30	.520	=	*	.629	2.39	10.2	4.73	3.58	24.1	3.98	1.85	.951
31	.161	=	.520	=	.520	=	4.09	3.77	=	10.4	=	1.10	31	.520	=	.300	=	1.70	=	6.26	4.61	=	3.61	=	.988
MOY	.288	.453	1.11	.934	*	*	*	3.20	7.75	*	3.53	1.30	MOY	.782	.495	*	*	3.41	4.18	*	3.94	10.8	5.81	2.74	1.30
DEBIT MINI	0.108			DATE IERE OBSERVATION 9 FEV									DEBIT MINI	0.263			DATE IERE OBSERVATION 17 MAR								
DEBIT MAXI	103.			DATE IERE OBSERVATION 18 JUL									DEBIT MAXI	37.4			DATE IERE OBSERVATION 25 SEP								

GENERALITES :

- Superficie du bassin versant : 1 130 km²
- Coordonnées de la station : 7°20'N - 1°10'E
- Cote du zéro de l'échelle : 138 (IGN) environ
- Amplitude de l'échelle : 0 à 6 m
- Accès : Pont de la route
LOME-ATAKPAME
- Date de création : 28.2.1963
- Cadence des relevés : 1 à 2 lectures
par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 ----- : 62
- Maximum jaugé : H = 5.69 m
Q = 172 m³/s
Date = 11.9.63
- Nombre de tarages utilisés pour la
période 71-79 ----- : 2
- Dernière courbe d'étalonnage utilisée :
. valide du 15.4.73 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,10	0.0	0.0	0.0
0,10 A 0,50	0.0	0.5000	0.0
0,50 A 0,65	4.3333	0.6833	0.200
0,65 A 0,80	17.667	2.4167	0.400
0,80 A 0,95	6.0000	7.5000	1.16
0,95 A 1,20	16.000	9.9999	2.42
1,20 A 1,80	4.3333	17.033	5.92
1,80 A 2,60	2.4167	21.942	17.7
2,60 A 3,20	7.0835	26.583	36.8
3,20 A 4,20	25.001	36.000	55.3
4,20 A 5,60	8.0953	43.809	93.8
5,60 A 7,00	6.1905	64.905	171

Remarques : - Le pont sur lequel s'appuyait la station a été détruit le 27.12.1971 -
- une nouvelle station a été installée le 15.4.73 sur le nouveau pont.

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1963	*	*	/	/	/	.	.
1964	/	/	.	.	/	/	/
1965	.	*	/	*	*	/
1966
1967	/	.
1968
1969
1970
1971	/
1973	*	*	*	/
1974
1975
1976
1977
1978	/	/	*	/	*	*	.
1979

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TOGO MONO AMOU GLEI
 STATION NUMERO 47400510
 ANNEE 1972

TCGO MQNC AMOU GLEI
 STATION NUMERO 47400510
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	*	*	*	.761	.426	9.13	3.34	21.8	29.1	16.3	1.80
2	*	*	*	*	.609	.400	6.61	5.33	24.5	22.8	12.7	1.71
3	*	*	*	*	.565	.565	67.6	5.41	21.1	33.0	10.4	1.63
4	*	*	*	*	.565	.565	15.5	17.9	27.5	38.6	10.5	1.55
5	*	*	*	*	.525	.656	12.2	9.51	20.5	29.9	8.85	1.63
6	*	*	*	*	.525	.656	12.3	20.5	17.7	23.9	8.30	1.55
7	*	*	*	*	.656	.818	16.0	36.1	15.1	23.3	7.14	1.55
8	*	*	*	*	.609	.656	10.4	70.4	23.9	20.8	6.09	1.55
9	*	*	*	*	.761	.609	13.9	39.4	17.7	19.4	5.74	1.47
10	*	*	*	*	.706	.565	10.8	52.9	16.2	45.0	5.92	1.47
11	*	*	*	*	.426	.488	12.0	28.9	30.0	35.6	5.65	1.39
12	*	*	*	*	.362	1.47	12.8	22.5	22.4	23.7	5.15	1.39
13	*	*	*	*	.344	.880	10.6	19.6	27.1	20.5	4.82	1.31
14	*	*	*	*	.328	.880	9.04	17.3	41.4	17.8	4.43	2.25
15	*	*	*	*	.344	1.08	8.12	25.9	29.9	16.4	3.92	2.15
16	*	*	*	.344	.344	1.31	7.05	25.0	28.4	13.9	3.65	1.88
17	*	*	*	.381	.381	1.16	6.09	22.8	26.3	12.8	3.45	1.80
18	*	*	*	.381	.488	1.01	5.40	110.	33.6	12.2	3.39	1.71
19	*	*	*	.426	1.16	.944	4.82	33.5	24.7	11.1	3.20	1.80
20	*	*	*	.400	1.39	.880	5.43	27.0	26.6	10.3	3.09	1.71
21	*	*	*	.426	.880	.880	7.31	34.6	22.2	9.69	2.96	1.71
22	*	*	*	.426	.609	.944	5.91	39.8	31.1	10.5	2.96	1.71
23	*	*	*	.818	.488	1.01	4.51	62.4	25.4	10.2	2.90	1.55
24	*	*	*	.706	.565	1.31	4.21	58.7	37.9	11.3	2.68	1.47
25	*	*	*	.761	.656	1.01	3.58	39.6	24.9	10.9	2.37	1.39
26	*	*	*	1.47	.609	14.5	3.08	37.2	21.7	16.3	2.28	1.31
27	*	*	*	1.16	.525	6.26	2.96	30.7	19.6	13.0	2.10	1.24
28	*	*	*	.944	.426	4.90	3.41	31.9	21.3	11.8	1.97	1.16
29	*	*	*	.880	.426	8.21	5.49	36.9	25.1	11.0	1.88	1.16
30	*	*	*	.818	.400	5.06	4.15	32.0	27.2	9.31	1.84	1.16
31	*	*	*	=	.362	=	3.69	24.9	=	18.6	=	1.08
MOY	*	*	*	*	.574	2.00	9.81	33.0	25.1	19.1	5.22	1.58

A CAUSE DE LA CONSTRUCTION DU NOUVEAU PONT, IL
 N'Y A PAS EU DE RELEVES EN 1972 A CETTE STATION

DEBIT MINI 0.32E DATE 1ERE OBSERVATION 14 MAI
 DEBIT MAXI 110. DATE 1ERE OBSERVATION 18 AOU

	STATION NUMERO 47400510																																			
	ANNEE 1974						ANNEE 1975																													
	DEBITS MOYENS JOURNALIERS EN M3/S																																			
	TQGC	MJNC	AMOL	GLEI		TQGC	MJNC	AMOL	GLEI		TQGC	MJNC	AMOL	GLEI																						
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC												
1	1.08	.525	.344	1.16	1.01	.438	2.73	6.52	17.0	33.5	12.9	2.24	1.08	.525	.525	.488	1.55	1.89	2.01	29.9	11.5	25.3	11.0	12.5												
2	1.06	.525	.344	1.55	.880	.455	2.85	7.68	14.3	25.3	14.0	2.15	1.08	.488	.488	1.24	1.24	1.20	2.01	34.8	9.69	24.5	10.1	14.7												
3	1.16	.565	.328	5.06	.761	.455	2.42	5.91	20.3	60.6	16.2	1.97	1.08	.488	.488	1.31	1.16	1.39	1.76	25.2	10.4	23.0	9.41	6.35												
4	1.08	.525	.328	2.96	4.28	.426	1.97	5.57	36.1	36.7	14.3	1.80	1.01	.488	.488	.761	2.15	1.67	2.24	19.0	10.8	20.3	8.67	4.75												
5	1.01	.455	.328	2.73	2.96	.488	2.15	4.98	22.2	25.7	11.9	1.88	1.01	.527	.488	.609	5.06	1.09	4.76	15.8	9.03	17.3	7.85	4.90												
6	.944	.426	.328	2.63	2.52	2.73	1.97	6.09	24.2	26.8	10.4	1.88	1.01	.610	.455	.609	2.73	.737	4.29	27.0	10.1	22.1	7.31	3.62												
7	.880	.426	.312	2.63	2.15	1.55	2.52	6.09	31.4	23.3	9.41	1.88	.944	1.47	.455	.609	3.20	.737	4.66	27.3	12.1	18.3	6.96	2.96												
8	.880	.426	.312	2.52	1.88	1.71	2.85	4.66	32.4	20.4	8.30	1.80	.944	.860	.426	.736	2.85	.818	5.92	26.0	24.2	24.5	6.70	2.42												
9	.818	.426	.312	2.33	1.63	1.71	9.13	5.74	31.7	19.0	8.21	1.71	.880	1.29	.400	.609	2.33	.737	5.91	24.2	38.8	98.5	6.18	2.10												
10	.818	.400	.297	2.42	1.47	1.63	8.94	5.83	31.5	20.9	7.94	1.63	.818	1.04	.381	.565	2.15	2.01	4.58	24.5	28.3	34.1	5.83	2.01												
11	.761	.400	.297	2.33	1.47	1.55	7.31	7.05	31.9	27.7	7.76	1.80	.818	1.35	.426	.565	1.80	4.08	5.15	41.7	25.0	42.7	6.09	1.84												
12	.761	.400	.468	1.97	1.31	1.80	5.92	10.2	28.7	22.3	6.87	1.71	.818	1.01	.400	.656	1.47	3.35	6.96	43.4	45.5	39.7	5.57	1.84												
13	.761	.426	.761	1.80	1.24	1.55	6.78	8.95	25.4	18.6	6.52	1.63	.761	1.09	.381	.818	1.24	4.86	12.7	44.8	45.3	31.0	5.15	1.67												
14	.706	.400	.944	1.55	1.16	1.08	5.92	7.58	24.9	46.6	5.83	1.55	.761	1.31	.400	.818	1.31	7.31	10.1	30.5	32.4	26.3	4.58	1.76												
15	.706	.400	1.01	1.16	1.24	.944	7.67	6.35	19.7	25.4	5.83	1.55	.706	.979	.488	2.15	1.24	4.68	7.67	29.2	28.9	24.5	4.21	1.80												
16	.656	.381	.818	.818	1.31	1.01	5.92	13.6	20.5	20.3	5.48	1.55	.706	.849	.609	3.71	1.08	3.27	7.77	23.3	75.4	29.9	4.21	1.80												
17	.656	.381	3.85	.706	1.39	1.24	5.06	10.7	27.4	19.5	4.51	1.63	.656	.739	.545	1.80	.818	2.68	10.7	20.3	38.0	40.5	5.33	1.71												
18	.656	.488	3.20	1.01	1.24	9.50	4.58	8.12	28.2	17.1	13.2	1.47	.656	.982	.507	9.50	.761	2.01	13.2	23.4	32.5	39.6	7.67	1.71												
19	.609	.761	2.96	2.15	1.24	4.28	8.57	7.13	28.1	16.3	4.09	1.47	.609	.761	1.03	7.65	.706	2.50	11.3	20.3	38.2	33.6	6.26	1.63												
20	.609	.565	2.73	1.39	1.16	2.96	11.4	6.70	34.9	14.8	4.43	1.39	.609	.766	.880	3.99	.656	2.44	9.41	17.1	32.2	30.5	4.90	1.55												
21	.565	.488	2.24	1.16	1.01	3.58	11.4	6.70	38.3	13.6	3.92	1.39	.609	.656	.545	2.73	.609	4.98	9.69	21.3	36.9	28.3	4.21	1.55												
22	.565	.426	1.97	1.31	.818	2.96	9.50	5.83	30.5	12.5	3.78	1.47	.609	.609	.507	2.96	.565	3.45	9.88	17.3	31.7	24.5	3.72	1.47												
23	.565	.400	2.96	1.24	.706	2.52	8.39	5.23	26.4	15.0	3.52	1.31	.609	.545	.488	3.20	.525	2.73	9.22	15.3	26.6	23.3	3.51	1.39												
24	.525	.400	1.39	1.24	.565	2.73	9.31	9.13	30.0	21.5	2.85	1.24	.565	.525	.468	2.96	.525	2.06	8.48	13.4	50.1	21.4	3.52	1.31												
25	.525	.381	.944	1.39	.565	1.97	6.61	7.67	25.1	19.2	2.96	1.24	.565	.496	.463	2.06	.525	1.80	7.58	12.0	34.3	18.3	3.02	1.31												
26	.488	.362	.544	1.01	.488	1.71	5.74	13.7	26.3	13.7	2.85	1.24	.565	.488	.455	2.42	.525	1.63	6.87	11.4	32.7	17.5	2.90	3.58												
27	.488	.362	.818	.944	.488	1.47	8.57	11.2	23.2	11.8	2.73	1.24	.565	.488	.455	1.97	.656	1.67	5.92	11.3	45.7	16.1	2.73	5.92												
28	.488	.344	.706	.944	.455	1.97	6.78	13.5	27.5	10.8	2.57	1.24	.565	.488	.441	1.55	.565	4.39	7.35	10.4	34.9	14.9	2.68	2.73												
29	.455	=	.656	.880	.488	2.96	5.57	11.5	26.4	9.69	2.38	1.24	.565	=	.441	1.31	.488	3.16	9.79	9.78	39.8	15.1	2.63	1.97												
30	.455	=	.656	1.39	.488	2.15	9.13	14.0	27.6	8.94	2.28	1.16	.525	=	.545	1.24	1.16	2.34	9.78	9.31	29.3	13.2	2.68	1.80												
31	.455	=	.609	=	.455	=	7.67	27.1	=	23.4	=	1.08	.525	=	.468	=	6.09	=	16.6	9.88	=	12.0	=	1.71												
MOY	.717	.445	1.10	1.75	1.25	2.05	6.30	8.75	27.1	22.0	6.93	1.57	MOY	.751	.811	.503	2.06	1.54	2.59	7.56	22.2	30.7	27.4	5.52	3.17											
	DEBIT MINI	0.297			DATE IERE OBSERVATION	10 MAR								DEBIT MINI	0.381			DATE IERE OBSERVATION	10 MAR																	
	DEBIT MAXI	60.6			DATE IERE OBSERVATION	3 OCT								DEBIT MAXI	98.5			DATE IERE OBSERVATION	9 OCT																	
	DEBIT MOYEN ANNUEL	6.68 M3/S																	DEBIT MOYEN ANNUEL	8.79 M3/S																

TUGD MJCNC AMOL GLEI
 STATION NUMERO 47400510
 ANNEE 1976

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	1.63	.656	.468	.488	.488	1.76	7.22	6.96	9.31	16.4	20.3	2.96
2	1.55	.656	.455	.818	.565	1.51	6.44	6.52	8.48	16.6	19.5	2.63
3	1.55	.656	.426	.609	.488	1.27	5.74	5.66	7.67	25.5	16.5	3.08
4	1.51	.609	.400	.818	.426	1.20	5.14	14.9	7.13	24.7	14.4	2.73
5	1.47	.609	.400	.609	.400	1.16	6.09	11.3	6.78	19.9	15.4	2.52
6	1.39	.609	.525	.488	.761	1.48	10.2	9.04	9.60	16.9	28.2	2.42
7	1.31	.609	.426	.400	.380	2.68	9.04	7.49	8.76	14.9	29.0	2.42
8	1.24	.818	.400	.362	1.80	2.63	10.5	6.87	7.14	13.6	20.0	2.33
9	1.20	.818	.362	.344	.656	3.72	9.04	9.64	6.00	19.8	19.7	2.24
10	1.27	.706	.400	.400	.818	3.08	7.49	8.30	5.74	16.0	17.2	2.15
11	1.24	.944	.400	.381	.818	6.10	6.44	7.67	4.98	13.4	14.8	1.80
12	4.17	.818	.381	.381	.380	13.1	5.65	6.70	5.74	23.4	13.9	1.63
13	2.46	.818	.706	.362	.944	9.69	5.31	6.52	5.92	22.8	12.7	1.63
14	1.63	.656	.488	.400	.680	9.04	5.14	5.83	5.06	15.0	11.2	1.47
15	1.43	.609	.488	.944	.706	8.21	8.03	5.66	12.8	12.9	10.4	1.63
16	1.20	.609	1.39	.488	.706	8.12	6.96	11.1	11.9	26.3	9.69	1.63
17	1.16	.609	1.63	.818	.565	7.05	14.3	47.1	9.03	36.0	8.85	1.63
18	1.16	.609	.818	.609	.525	7.43	12.0	33.1	7.40	28.9	8.12	1.55
19	1.08	.656	.609	.656	.488	18.8	22.3	23.9	6.78	31.3	7.58	1.47
20	1.01	.656	.565	.706	.488	13.6	12.9	21.6	6.87	33.9	7.49	1.39
21	1.01	1.47	.565	.565	.565	12.4	12.6	19.4	8.22	42.3	7.22	1.39
22	1.01	1.71	.609	.488	1.01	10.9	12.4	18.1	8.39	35.6	6.87	1.47
23	.880	1.39	.656	.426	5.92	9.31	9.97	19.2	9.23	27.5	6.26	1.39
24	.818	.818	.944	.400	2.42	13.1	8.85	15.2	11.3	24.7	5.83	1.39
25	.761	.656	.761	.426	1.55	22.0	11.1	13.6	12.3	31.0	5.23	1.47
26	.761	.525	.525	.609	1.47	14.4	9.88	12.7	9.60	27.0	4.66	1.39
27	.761	.488	.400	.488	1.16	11.2	13.2	12.1	14.0	23.7	3.99	1.31
28	.706	.438	.362	.488	1.16	10.1	9.32	11.0	45.5	23.0	4.21	1.31
29	.706	.438	.818	.362	3.20	10.7	9.59	9.88	26.9	20.7	3.65	1.39
30	.706	=	.565	.525	5.06	8.40	8.39	12.9	19.4	19.5	3.14	1.39
31	.656	=	.525	=	3.58	=	7.49	10.9	=	19.3	=	1.39

TUGC MONC AMOU GLEI
 STATION NUMERO 47400510
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	1.31	.609	.344	.245	.320	.632	2.91	2.15	2.74	19.0	4.98	.681
2	1.31	.565	.328	.362	.304	.982	2.52	1.80	2.64	18.7	4.44	.681
3	1.31	.565	.312	.328	.289	.716	3.33	1.55	3.16	20.8	3.72	.706
4	1.31	.525	.297	.297	.320	.734	2.85	1.31	4.59	18.2	3.39	.656
5	1.43	.525	.312	.269	.354	.656	2.57	1.20	8.66	13.7	2.96	.632
6	1.63	.609	.297	.269	.525	.587	2.24	1.08	13.3	14.3	2.63	.681
7	1.35	.609	.282	.381	.444	.507	2.15	1.01	20.5	14.5	2.37	.656
8	1.24	.609	.282	.312	.371	.441	1.76	.944	18.9	21.8	2.19	.820
9	1.27	.565	.269	.297	.344	.400	1.71	.912	11.9	15.2	2.01	1.39
10	1.08	.525	.257	.269	.320	.441	1.93	.849	10.5	17.1	1.93	.946
11	.979	.488	.269	.426	.320	.441	4.47	.789	10.4	37.5	1.71	.916
12	.979	.455	.257	.381	.464	.495	4.02	.761	25.5	42.5	1.67	.880
13	1.01	.455	.257	.328	.656	.472	2.52	.706	15.8	34.6	1.67	.789
14	.979	.455	.257	.297	.616	.842	2.28	.761	16.9	24.5	1.59	.761
15	.944	.426	.245	.282	.418	1.72	1.88	.706	14.3	20.1	1.43	.916
16	.944	.426	.269	.269	.344	2.06	1.71	.762	22.9	18.0	1.20	.734
17	.944	.400	.297	.282	.320	1.55	1.67	2.24	16.0	16.5	1.01	.656
18	.880	.400	.282	.282	.371	1.01	1.59	1.59	16.8	19.9	1.05	.609
19	.880	.400	.269	.282	.390	.946	1.43	1.43	14.3	24.0	1.05	.565
20	.880	.381	.257	.312	.510	1.41	1.27	1.47	11.9	17.9	.944	.525
21	.761	.381	.257	.312	.768	1.55	1.16	1.16	28.8	14.0	.912	.525
22	.818	.426	.245	.344	.946	1.80	1.12	.979	18.0	12.0	.880	.525
23	.880	.400	.269	.565	.761	1.31	.979	.944	13.4	12.7	.880	.488
24	.818	.381	.257	.455	.681	1.01	.912	.880	13.0	11.0	.818	.455
25	.818	.381	.257	.361	.567	.762	1.12	.849	12.2	9.41	.818	.455
26	.706	.321	.245	.609	.488	.656	1.20	1.01	12.8	8.57	.982	.426
27	.656	.362	.245	.488	.532	.681	3.99	4.29	13.2	7.76	1.20	.381
28	.706	.344	.381	.426	.632	2.25	4.46	2.69	13.0	7.22	1.05	.381
29	.656	=	.328	.362	.567	3.79	2.90	2.10	16.8	6.44	.849	.362
30	.656	=	.269	.344	.545	4.37	3.21	2.67	26.5	5.57	.734	.381
31	.609	=	.257	=	.565	=	2.68	3.79	=	5.31	=	.362

MOY 1.27 .731 .536 .529 1.33 8.14 9.32 13.3 10.6 23.3 11.9 1.83
 DEBIT MINI 0.344 DATE IERE OBSERVATION 9 AVR
 DEBIT MAXI 47.1 DATE IERE OBSERVATION 17 AOU
 DEBIT MOYEN ANNUEL 6.52 M3/S

MOY .992 .466 .279 .348 .487 1.18 2.28 1.46 14.3 17.1 1.77 .643
 DEBIT MINI 0.245 DATE IERE OBSERVATION 15 MAR
 DEBIT MAXI 42.5 DATE IERE OBSERVATION 12 OCT
 DEBIT MOYEN ANNUEL 3.45 M3/S

STATION NUMERO 47400510												STATION NUMERO 47400510																		
ANNEE 1978						ANNEE 1979						ANNEE 1978						ANNEE 1979												
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S																		
JAN	FEB	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEB	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC							
1	.362	.304	.680	.426	4.14	2.97	*	*	*	*	2.85	1	1.67	.507	.282	.289	.567	17.3	37.2	53.1	26.5	40.1	9.41	3.26						
2	.381	.269	1.08	.413	3.52	12.4	*	*	*	*	2.73	2	1.55	.565	.263	1.54	1.36	17.7	26.5	40.2	26.9	40.7	20.5	3.14						
3	.381	.282	1.63	.413	2.86	10.1	*	*	*	*	2.63	3	1.55	.507	.276	8.25	2.95	17.2	21.6	38.3	24.7	40.6	14.3	2.96						
4	.381	.282	1.55	.390	2.19	11.6	*	*	*	*	2.42	4	1.47	.527	.456	2.95	3.21	13.9	19.0	44.4	22.3	31.7	9.78	2.52						
5	.362	.276	1.64	.362	2.01	10.2	*	*	*	*	2.24	5	1.43	.472	.793	3.77	2.48	15.5	17.9	68.4	27.2	28.7	16.6	2.37						
6	.362	.269	1.32	.408	2.01	14.6	*	*	*	*	2.24	6	1.35	.426	.572	1.84	5.83	23.1	23.3	45.2	32.4	25.0	16.7	2.28						
7	.362	.269	1.89	.847	1.84	23.6	*	*	*	*	2.24	7	1.39	.426	.381	1.20	12.2	23.5	19.9	40.0	27.6	23.2	12.1	2.19						
8	.362	.263	1.43	.912	1.84	19.7	*	*	*	*	2.15	8	1.35	.400	.328	.881	2.85	21.0	17.3	34.5	38.2	22.1	10.4	2.15						
9	.362	.251	.982	1.08	1.63	10.3	*	*	*	*	2.42	9	1.27	.381	.304	.820	19.0	25.3	17.3	29.4	27.5	23.2	9.50	2.15						
10	.344	.245	.708	.560	1.56	12.6	*	*	*	*	2.15	10	1.20	.371	.289	.616	19.6	18.4	15.2	31.9	29.5	20.5	8.94	2.15						
11	.344	.251	.587	.587	1.17	22.8	*	*	*	*	2.06	11	1.12	.362	.276	1.40	15.4	18.8	13.0	26.3	41.0	18.3	8.03	2.01						
12	.344	.297	4.20	.507	2.47	21.2	*	*	*	*	1.88	12	1.09	.344	.269	.734	13.5	23.2	12.4	23.3	30.5	20.7	7.49	1.93						
13	.328	.339	6.00	.455	2.01	19.6	*	*	*	*	1.88	13	1.12	.344	.276	.550	22.6	21.3	15.3	29.4	35.6	16.7	7.05	1.84						
14	.328	.289	5.01	.390	3.50	41.6	*	*	*	*	1.88	14	1.93	.362	.282	.450	24.5	20.5	28.0	26.2	57.4	16.1	6.18	1.71						
15	.328	.572	3.15	.490	4.33	34.2	*	*	*	*	1.80	15	1.31	.381	.337	.413	20.0	17.9	31.0	34.1	31.7	14.3	6.00	1.80						
16	.328	.462	2.34	.527	3.52	*	*	*	*	*	1.71	16	1.39	.473	.269	.390	18.4	20.5	23.9	28.0	39.1	12.9	5.74	1.76						
17	.312	.565	1.59	.495	2.42	*	38.1	*	*	*	2.01	17	1.16	.403	.251	.371	78.7	16.7	31.0	21.4	31.4	12.5	5.48	1.67						
18	.337	1.28	1.24	.793	5.11	*	82.4	*	*	*	1.84	18	1.09	.403	.245	.394	38.3	15.9	23.1	52.8	25.8	11.9	5.06	1.80						
19	.453	.908	.979	.960	6.57	*	113.	*	*	*	1.84	19	1.01	.353	.240	.344	29.5	25.7	23.0	58.6	24.5	13.7	4.74	1.71						
20	.960	.507	.789	.545	7.13	*	75.5	*	*	*	1.80	20	.946	.490	.284	.463	19.7	35.9	23.7	35.0	35.5	11.5	4.51	1.55						
21	.789	.418	.734	.900	5.83	*	40.0	*	*	*	1.71	21	.881	.371	.345	.475	15.2	21.5	21.0	34.4	27.3	16.1	4.58	1.59						
22	.581	.345	.681	3.41	4.98	*	35.5	*	*	*	1.67	22	.820	.328	.257	.371	12.6	27.2	41.7	31.0	43.7	12.2	4.59	1.80						
23	.390	.320	.610	4.13	4.44	*	*	*	*	*	1.59	23	.762	.320	.312	.371	10.7	23.4	82.8	33.9	98.6	10.4	4.14	2.95						
24	.381	.328	1.85	4.77	4.54	*	*	*	*	*	1.55	24	.734	.328	.304	.353	9.13	29.4	55.9	31.0	47.0	9.50	3.92	1.97						
25	.371	.485	.960	5.44	3.14	*	*	43.3	*	*	1.67	25	.681	.336	.900	.630	7.94	21.4	87.8	25.3	72.0	9.03	3.65	1.71						
26	.353	1.84	.849	5.35	2.38	*	*	35.5	*	*	1.97	26	.632	.362	1.63	.700	7.31	18.4	62.6	36.4	79.9	13.3	3.51	1.59						
27	.362	1.05	.658	6.70	2.63	*	*	*	*	*	1.67	27	.587	.328	.672	.737	6.26	16.6	37.3	33.5	49.2	12.6	3.39	1.55						
28	.344	1.08	.545	5.48	3.40	42.4	*	*	*	*	2.10	28	.545	.297	.457	1.12	5.92	13.8	39.9	37.1	41.6	9.88	3.66	1.51						
29	.328	=	.507	4.66	2.97	59.7	*	*	*	*	2.33	29	.525	=	.371	.685	5.14	36.6	33.4	30.0	34.2	8.85	4.21	1.47						
30	.328	=	.472	4.35	2.37	*	*	37.3	*	*	2.45	30	.507	=	.320	.587	6.53	32.8	29.6	32.2	34.1	10.5	3.58	1.47						
31	.312	=	.441	=	1.97	=	*	=	*	=	1.80	31	.507	=	.297	=	11.7	=	78.3	30.0	=	11.8	=	1.39						
MOY	.395	.502	1.53	1.91	3.31	*	*	*	*	*	2.04	MOY	1.06	.399	.406	1.13	14.7	21.7	32.6	36.0	38.8	18.3	7.59	2.00						
DEBIT MINI			0.245	DATE 1ERE OBSERVATION			10	FEV			DEBIT MINI												0.240	DATE 1ERE OBSERVATION			19	MAR		
DEBIT MAXI			113.	DATE 1ERE OBSERVATION			19	JUL			DEBIT MAXI												98.6	DATE 1ERE OBSERVATION			23	SEP		
DEBIT MOYEN ANNUEL												14.6	M3/S																	

GENERALITES :

- Superficie du bassin versant : 1 372 km²
- Coordonnées de la station : 8°20'N - 0°58'E
- Cote du zéro de l'échelle : 280 (IGN) environ
- Amplitude de l'échelle : 0 à 9 m
- Accès : Près de la gare de
BLITTA
- Date de création : 12.8.1962
- Cadence des relevés : 2 lectures par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 42
- Maximum jaugé : H = 1.83 m
Q = 38 m³/s
Date = 19.9.65
- Nombre de tarages utilisés pour la
période 71-79 : 4
- Dernière courbe d'étalonnage utilisée :
. valide du 16.2.78 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,21	0.0	0.0	0.0
0,21 A 0,40	1.7763	0.0046	0.0
0,40 A 0,60	4.2500	0.6750	0.065
0,60 A 0,80	32.000	2.5000	0.370
0,80 A 1,00	7.5000	12.750	2.15
1,00 A 1,30	14.334	19.867	5.05
1,30 A 1,60	26.665	29.334	12.3
1,60 A 1,80	58.240	47.352	23.5
1,80 A 2,60	25.312	85.625	35.3
2,60 A 5,00	76.389	125.83	120

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1962	/	*	*	*	*	*	*	/	.	/	/	/
1963	/	.	.	.	/	.	.	.	/	/	/	/
1964	/	/
1965	/	/	/	/	.	.
1966	/	.	.	.	/	.
1967	/	/
1968	/
1969	/	/
1970	/	/	.	.
1971	.	/	/	/	.	.
1972	/	/	/	/	.	.	.
1973	/
1974
1975
1976	/	/	/	*
1977	*	/	/
1978	/	*
1979	/	.	.	/	*	/	/	.	.	/	/	*

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TUCC MQNC ANIE BLITTA - GARE 1
 STATION NUMERO 47401006
 ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
 . + signifie : les hauteurs lues sont supérieures
 à la cote maximale fixée pour
 l'extrapolation de la courbe
 d'étalonnage.

- COMMENTAIRES :

- Nous avons dû extrapoler fortement la courbe d'étalonnage. Les débits supérieurs à 50 m³/s donnés dans ces annales sont assez incertains.
 - La cadence des relevés est insuffisante compte tenu de la rapidité des crues à la station. Il convient d'être prudent dans l'utilisation que l'on pourrait faire des débits donnés dans ces annales pour l'étude des crues et des modules.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.013	.005	*	.073	.353	.280	.567	9.60	43.9	12.2	1.69	.222
2	.013	.004	*	.427	.280	.251	.731	3.98	33.9	10.6	1.78	.250
3	.012	.004	*	.377	.196	.157	.708	18.6	109.	7.01	1.69	.222
4	.012	.004	*	.196	.103	.145	.619	8.63	183.	*	1.53	.195
5	.012	.003	*	.117	.732	.091	4.78	14.0	112.	13.5	1.45	.169
6	.010	.003	*	.265	.579	.085	2.70	11.4	53.8	13.4	1.31	.145
7	.010	.002	*	.223	2.66	.123	1.46	34.5	60.7	9.99	1.24	.145
8	.010	.002	*	.117	1.32	.097	2.21	13.0	57.0	9.09	1.18	.116
9	.010	.001	*	.091	1.12	.073	2.31	14.8	74.2	7.99	1.05	.130
10	.009	.001	*	.117	3.60	.056	1.39	7.27	48.1	7.76	.995	.130
11	.009	.001	.341	.057	1.78	.046	.859	5.80	42.7	7.41	.938	.116
12	.009	.013	.310	.112	1.06	.033	.807	28.4	36.9	8.60	.884	.116
13	.009	*	.216	.130	.689	.004	.670	22.8	145.	7.53	.831	.103
14	.007	*	.084	.117	.462	2.37	.570	23.5	140.	5.25	.780	.103
15	.007	*	.073	.079	.260	.564	1.02	21.8	109.	5.35	.731	.103
16	.009	*	.067	.056	.183	.355	11.9	27.7	123.	5.25	.685	.090
17	.009	*	.062	.042	.157	.332	8.22	157.	122.	4.69	.640	.090
18	.007	*	.042	.033	.110	.282	10.4	41.2	69.2	7.92	.685	.078
19	.010	*	.033	.026	.057	.781	4.91	24.7	43.9	11.0	.640	.067
20	.010	*	.024	.016	.067	.577	2.70	41.4	34.1	8.98	.597	.067
21	.009	*	.016	.006	7.58	.495	2.87	39.4	27.3	6.08	.557	.056
22	.009	*	.079	.009	2.42	.393	2.38	19.8	22.2	5.06	.557	.056
23	.007	*	1.95	.005	1.92	.236	2.59	16.0	20.7	4.51	.518	.046
24	.007	*	.362	.004	.835	.196	5.36	12.1	18.6	4.18	.480	.037
25	.007	*	.097	.002	.621	.375	3.18	14.1	15.2	3.43	.444	.037
26	.006	*	.062	.191	.411	.250	2.16	21.8	12.7	3.05	.408	.037
27	.006	*	.037	.621	.236	.236	1.97	32.9	11.3	2.75	.408	.028
28	.006	*	.080	.411	.150	.157	1.59	17.0	9.68	2.52	.374	.020
29	.006	=	.073	1.65	.310	.110	1.33	12.1	13.9	1.84	.310	.020
30	.005	=	.047	.881	.521	1.59	1.48	27.7	13.2	1.31	.250	.013
31	.005	=	.542	=	.266	=	36.4	41.1	=	1.21	=	.006
MOY	.005	*	=	.216	1.01	.358	3.91	25.3	60.2	*	.855	.097
DEBIT MINI		G.CC1		DATE 1ERE OESERVATION				10 FEV				
DEBIT MAXI		1E3.		DATE 1ERE OESERVATION				4 SEP				

TOGC MCNC ANIE BLITTA - GARE 1
 STATION NUMERO 47401006
 ANNEE 1972

TJGC MCNC ANIE BLITTA - GARE 1
 STATION NUMERO 47401006
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.006	0	0	.103	.223	2.26	4.18	*	*	6.51	2.92	.310
2	.006	0	0	.084	.169	1.83	2.36	*	*	6.29	2.58	.279
3	.006	0	0	.062	.157	2.18	4.87	*	*	6.29	2.47	.250
4	.006	0	0	.033	.123	3.09	4.96	*	*	6.08	2.36	.250
5	.005	0	0	.016	.040	10.6	3.84	*	*	7.07	2.26	.222
6	.004	0	0	.009	.409	15.7	3.72	*	*	5.56	2.06	.195
7	.004	0	0	.004	.295	5.60	5.05	*	*	5.05	1.87	.195
8	.004	0	0	.003	.236	4.17	4.69	*	*	4.69	1.61	.169
9	.003	0	0	.035	.243	3.28	*	*	69.4	4.18	1.53	.145
10	.003	0	0	.037	.251	3.72	*	*	53.4	3.79	1.38	.130
11	.002	0	0	.033	2.70	3.72	*	*	180.	5.58	1.38	.116
12	.002	0	0	.024	1.96	5.32	*	*	5.97	1.31	.116	.116
13	.001	0	0	.025	1.07	3.99	*	*	6.08	1.18	.103	.103
14	.001	0	0	.342	1.50	3.84	175.	*	*	5.77	1.12	.103
15	0	0	0	.395	6.15	3.37	*	*	82.3	4.96	.995	.090
16	0	0	0	.621	1.54	2.01	329.	63.8	*	4.60	.938	.090
17	0	0	0	.462	3.11	1.46	70.1	*	*	18.1	.884	.073
18	0	0	0	.375	1.26	1.53	53.4	*	*	15.5	.780	.078
19	0	0	0	.266	.996	1.61	*	*	40.8	10.2	.780	.078
20	0	0	0	2.94	.942	1.38	*	*	23.5	35.7	.731	.067
21	0	0	0	1.06	1.12	1.18	*	*	16.6	26.0	.640	.067
22	0	0	0	1.15	1.57	1.35	*	*	97.2	14.2	22.6	.057
23	0	0	0	1.92	6.64	71.5	*	*	13.1	17.9	.518	.051
24	0	0	2.49	1.50	3.56	*	*	85.1	11.7	12.3	.480	.056
25	0	0	.662	1.15	2.53	*	*	*	10.8	8.14	.444	.033
26	0	0	.463	1.79	1.79	3.72	*	*	9.86	6.08	.444	12.8
27	0	0	.268	.998	.998	3.05	81.1	*	8.97	5.25	.408	4.87
28	0	0	.124	.391	1.15	2.70	*	*	8.35	4.96	.408	3.05
29	0	0	.079	.326	3.32	2.87	112.	*	8.48	4.78	.374	2.41
30	0	=	.108	.265	2.11	36.5	*	*	8.74	3.95	.310	2.21
31	0	=	.280	=	.964	=	152.	66.3	=	3.30	=	2.11
MOY	.002	0	.144	.547	1.64	*	*	*	*	9.13	1.19	.992

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	3.43	.005	0	.499	.051	.519	1.79	7.77	9.73	27.3	7.65	.385
2	1.87	.005	0	.521	.046	.462	4.87	3.12	17.6	82.1	5.46	.345
3	1.28	.004	0	.359	.033	.391	97.2	17.2	75.9	29.4	4.18	.324
4	1.05	.004	0	.236	.020	.341	10.6	12.0	98.7	39.7	3.79	.303
5	.444	.004	0	.155	.020	.295	32.4	7.99	62.2	153.	2.13	.283
6	.374	.003	0	.149	.013	.237	45.0	2.09	31.3	47.8	2.13	.264
7	.310	.003	0	.067	.009	.948	49.7	15.4	27.7	33.6	2.31	.245
8	.341	.002	0	.037	.005	.939	44.6	17.2	24.0	23.1	2.25	.227
9	.310	.002	0	.033	.005	.732	24.4	12.3	20.7	23.9	2.25	.209
10	.250	.001	0	.020	.003	1.25	101.	26.6	64.3	27.0	2.50	.209
11	.222	0	0	.006	.003	2.40	33.3	17.3	32.9	18.3	2.37	.209
12	.195	0	0	.005	.002	2.82	28.2	12.9	24.1	15.2	2.02	.193
13	.195	0	0	.004	.035	1.50	23.8	13.6	132.	13.1	1.91	.177
14	.169	0	0	.004	.091	1.38	26.3	11.7	64.6	11.3	1.35	.177
15	.145	0	0	.005	.062	.859	*	3.43	39.7	10.4	1.61	.161
16	.145	0	0	.004	.037	3.00	*	3.43	29.4	9.09	1.52	.161
17	.130	0	0	.004	.024	1.61	*	11.3	41.7	8.23	1.35	.133
18	.116	0	0	.004	.020	1.53	*	11.9	62.2	7.53	1.19	.120
19	.116	0	0	.013	.250	.969	*	59.2	53.7	6.95	1.12	.120
20	.103	0	0	.004	.295	1.08	*	125.	20.7	6.19	1.05	.107
21	.103	0	0	.004	.342	7.53	*	37.4	47.9	6.62	.980	.095
22	.090	0	0	.002	.411	3.66	*	36.2	151.	7.77	.915	.095
23	.067	0	0	.377	.236	2.16	*	39.7	90.1	6.51	.852	.084
24	.056	0	0	.236	1.65	10.2	12.8	115.	151.	6.30	.791	.084
25	.046	0	0	.162	2.79	7.32	9.38	33.6	51.2	7.52	.676	.084
26	.037	0	0	.131	2.08	4.51	6.95	27.7	36.2	12.3	.570	.073
27	.028	0	0	.103	.840	7.90	2.84	29.4	25.0	7.19	.570	.073
28	.013	0	0	.024	.826	4.69	3.38	20.7	22.6	5.05	.520	.073
29	.013	=	0	.067	1.09	3.66	16.1	16.6	21.5	6.89	.473	.063
30	.006	=	0	.062	.917	2.81	7.77	14.0	17.6	8.35	.428	.054
31	.005	=	0	=	.686	=	6.26	11.3	=	12.8	=	.054
MOY	.330	.001	0	.115	.416	2.59	*	28.5	51.6	22.0	1.90	.167

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 15 JAN

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 11 FEV

DEBIT MAXI 329. DATE 1ERE OBSERVATION 16 JUL

DEBIT MAXI 153. DATE 1ERE OBSERVATION 5 OCT

ANNEE 1974												ANNEE 1975													
STATION NUMERO 47401006												STATION NUMERO 47401006													
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	ACU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.054	.248	0	0	.045	0	.193	14.8	16.4	27.7	3.64	.161	1	.607	0	0	.107	1.27	2.69	51.1	6.70	46.4	4.69	.791	
2	.045	.102	0	.559	.024	.633	1.01	16.4	27.4	68.8	3.21	.147	2	.007	0	0	.095	.883	2.02	51.1	21.4	34.4	4.52	1.01	
3	.030	.059	0	.133	.018	.447	.623	21.3	23.7	75.2	2.76	.133	3	.035	0	0	.084	1.08	1.56	37.5	72.5	28.2	4.35	.947	
4	.030	.034	0	.041	.013	.114	.303	10.4	11.6	37.8	2.89	.120	4	.005	0	0	.073	1.15	8.82	21.4	80.7	22.8	3.87	.676	
5	.024	.021	0	.015	.013	.059	.219	16.6	77.5	65.7	2.25	.107	5	.004	0	0	.007	.063	.823	2.45	26.2	29.7	18.8	3.42	.622
6	.018	.013	0	.045	.018	4.11	.704	14.3	133.	27.5	1.97	.095	6	.034	0	0	.015	.341	.649	1.40	39.7	25.6	58.4	3.14	.570
7	.018	.008	0	.034	.054	1.71	.545	7.29	130.	20.0	1.66	.095	7	.004	0	0	.008	.120	.522	10.3	27.1	20.9	31.6	2.88	.473
8	.013	.007	0	.024	.120	.680	.236	5.87	65.3	15.0	1.47	.084	8	.004	0	0	.050	.113	.407	9.86	24.0	59.9	108.	2.76	.428
9	.013	.007	0	.018	.209	.409	.185	3.87	131.	17.1	1.31	.073	9	.003	0	0	.021	.095	.313	34.0	42.0	25.5	75.2	2.63	.671
10	.013	.005	0	.018	.147	.680	4.44	3.64	71.7	22.1	1.27	.063	10	.003	0	0	.008	.185	.915	22.6	28.2	27.9	73.1	2.63	.345
11	.008	.004	0	.013	.073	.345	.985	4.18	33.3	22.2	1.19	.063	11	.001	0	0	.013	.154	.915	19.6	24.0	45.0	66.9	2.50	.324
12	.007	.003	0	.008	.054	.294	1.97	4.02	58.5	14.1	1.12	.063	12	.001	0	0	.008	1.08	.853	20.6	41.9	24.8	63.3	2.50	.324
13	.007	.001	0	.007	.037	.201	1.81	3.64	34.3	12.5	1.01	.054	13	0	0	0	.008	.947	.649	28.5	38.6	37.8	30.4	2.13	.324
14	.007	.001	0	.005	.024	.126	1.61	3.28	28.2	10.9	.821	.045	14	0	0	0	.013	3.42	.570	25.3	20.7	37.5	23.3	1.91	.324
15	.007	.001	0	.004	.018	.107	2.52	2.82	22.6	9.85	.732	.037	15	0	0	0	.656	4.60	.520	13.1	37.5	80.0	19.6	1.81	.303
16	.007	.001	0	.003	.018	.094	1.08	18.9	17.9	9.34	.676	.045	16	0	0	0	.177	4.27	4.10	18.3	19.8	46.1	17.9	1.61	.218
17	.007	0	0	.004	.013	.133	1.31	9.73	62.3	8.35	.622	.045	17	0	0	0	.089	4.02	3.28	17.0	32.8	46.4	13.4	1.52	.193
18	.007	0	0	.003	.013	.120	1.08	5.13	65.0	7.18	.545	.054	18	0	0	0	.073	6.86	1.97	33.3	31.1	105.	19.2	1.52	.193
19	.007	0	0	.001	.005	.107	24.8	4.18	41.3	6.62	.473	.063	19	0	0	0	.084	3.80	3.42	32.8	16.0	160.	17.9	1.52	.161
20	.007	0	0	0	.004	.120	10.2	3.35	23.3	4.87	.428	.054	20	0	0	0	.068	1.97	2.95	16.4	13.1	25.2	12.6	1.35	.147
21	.005	0	0	0	.003	.133	3.28	5.45	17.9	4.52	.365	.045	21	0	0	0	.027	1.40	2.69	10.2	18.6	42.8	9.85	1.35	.133
22	.005	0	0	0	.001	.120	3.31	4.82	13.5	4.35	.345	.037	22	0	0	0	.200	.676	1.40	9.34	121.	69.4	9.60	1.27	.133
23	.004	0	0	0	.001	.161	3.80	4.18	11.7	4.18	.313	.030	23	0	0	0	2.08	.556	1.08	9.34	16.2	108.	8.72	1.19	.120
24	.004	0	0	.001	.001	.177	7.02	8.61	10.1	4.02	.283	.024	24	0	0	0	1.08	.383	.883	13.2	11.6	134.	7.99	1.12	.107
25	.003	0	0	0	.133	2.95	14.0	24.4	3.79	.264	.024		25	0	0	0	.821	.152	4.89	29.1	13.8	45.9	7.18	1.12	.107
26	.003	0	0	0	.095	3.80	8.11	22.4	3.42	.245	.018		26	0	0	0	.334	1.56	1.52	24.0	38.8	184.	6.84	1.12	.107
27	.001	0	0	0	.073	2.43	6.85	18.8	3.28	.227	.018		27	0	0	0	.293	.821	1.39	23.9	19.6	75.2	6.51	1.12	.095
28	.001	0	0	0	.432	10.6	5.03	14.0	3.14	.209	.013		28	0	0	0	.169	.522	1.31	33.2	13.1	266.	6.19	1.05	.095
29	0	=	0	1.12	0	.295	10.6	11.0	10.9	2.95	.185	.008	29	0	=	0	.140	.344	1.19	46.4	10.9	128.	5.76	.980	.084
30	0	=	0	.120	0	.193	35.8	29.8	26.5	2.69	.177	.008	30	0	=	0	.113	2.45	1.56	20.7	8.72	74.7	5.05	.791	.073
31	.175	=	0	=	0	=	9.37	34.9	=	3.34	=	.007	31	0	=	0	=	1.56	=	30.4	7.41	=	4.10	=	.073
MOY	.017	.316	0	.072	.030	.410	4.80	9.88	41.5	16.9	1.09	.059	MOY	.002	0	0	.876	1.37	1.51	18.4	29.2	70.2	27.7	2.14	.328
DEBIT MINI	0.0		DATE IERE RESERVATION 29 JAN									DEBIT MINI	0.0		DATE IERE RESERVATION 13 JAN										
DEBIT MAXI	133.		DATE IERE RESERVATION 6 SEP									DEBIT MAXI	266.		DATE IERE RESERVATION 28 SEP										
DEBIT MOYEN ANNEE	6.23 M3/S											DEBIT MOYEN ANNEE	12.7 M3/S												

ANNÉE 1976													ANNÉE 1977												
STATION NUMERO 47401006													STATION NUMERO 47401006												
DEBITS MOYENS JOURNALIERS EN M3/S													DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGU	SEP	OCT	NOV	DEC		
1	.073	.005	.001	0	0	.133	1.61	37.5	7.07	8.97	98.8	*	1	*	*	.004	0	0	.761	.915	3.49	15.7	19.6	2.63	.177
2	.073	.005	.001	0	0	.133	1.52	32.3	6.19	16.9	43.7	*	2	*	*	.003	0	0	.676	.852	2.63	11.6	16.4	2.37	.161
3	.063	.005	0	0	0	.126	1.39	7.65	5.56	13.7	22.0	*	3	*	*	.001	0	0	.596	.761	2.08	18.1	25.6	2.13	.161
4	.063	.005	0	0	0	.107	1.19	8.97	4.78	11.6	17.9	*	4	*	*	.001	0	0	1.15	3.35	1.81	19.6	17.3	1.91	.147
5	.063	.005	0	0	0	.095	4.10	7.18	3.28	8.72	15.3	*	5	*	*	0	0	0	1.01	3.14	1.66	21.8	15.3	1.71	.133
6	.063	.004	0	0	0	.344	26.2	46.4	21.1	7.29	13.5	*	6	*	*	0	0	0	.883	3.08	1.47	26.8	14.2	1.61	.120
7	.063	.004	0	0	0	.177	5.24	16.0	10.6	5.97	12.2	*	7	*	.063	0	0	.885	2.57	1.31	33.8	26.1	1.52	.120	
8	.054	.003	0	0	0	.154	3.94	14.3	8.60	5.45	87.3	*	8	*	.063	.004	0	0	.742	1.47	1.19	40.2	22.8	1.35	.120
9	.054	.003	0	0	0	.264	3.64	24.7	6.73	5.05	90.2	*	9	*	.054	.004	0	0	.385	1.66	1.12	26.8	16.5	1.27	.107
10	.045	.003	0	0	0	.334	3.09	69.5	6.51	*	42.3	*	10	*	.054	.003	0	0	.365	1.52	1.12	25.2	10.3	1.19	.095
11	.037	.003	0	0	0	.293	2.63	41.9	6.19	31.9	24.2	*	11	*	.045	.003	0	.428	.324	1.52	.883	22.6	22.7	1.05	.084
12	.024	.003	0	0	0	.236	2.50	21.5	5.56	35.9	21.1	*	12	*	.037	.003	0	.324	.303	1.61	.791	16.3	14.3	.980	.073
13	.024	.001	0	0	0	1.09	2.56	18.3	5.05	15.7	16.8	*	13	*	.037	.001	0	.227	.273	1.48	5.46	36.6	11.0	.915	.073
14	.018	.001	0	0	0	1.91	16.0	13.7	6.12	13.2	13.2	*	14	*	.037	.001	0	.227	.245	1.49	3.01	12.7	10.9	.852	.073
15	.013	.001	0	0	0	1.50	7.41	37.9	5.76	10.3	11.6	*	15	*	.037	.001	0	.209	3.09	1.47	1.97	16.7	9.73	.791	.063
16	.013	.003	0	0	0	1.08	5.05	26.8	5.05	46.4	10.8	*	16	*	.030	*	0	.120	3.79	1.31	8.97	70.4	8.97	.676	.063
17	.013	.001	0	0	0	.915	3.22	17.5	5.05	78.4	9.60	*	17	*	.024	*	0	.095	3.42	4.96	6.08	37.5	7.18	.622	.063
18	.008	.001	0	0	0	15.2	2.02	48.3	5.05	53.5	8.84	*	18	*	.018	*	0	.095	3.21	4.28	4.87	31.3	6.40	.570	.063
19	.008	.001	0	0	0	5.78	7.07	37.0	*	31.9	8.60	*	19	*	.013	0	0	.084	1.59	2.82	5.66	22.6	6.84	.520	.063
20	.008	0	0	0	0	3.80	5.05	38.7	*	64.4	7.87	*	20	*	.008	0	0	.084	.947	2.08	4.70	20.5	5.76	.473	.063
21	.008	.007	0	0	0	2.56	4.70	33.3	4.18	124.	7.41	*	21	*	.007	0	0	.073	.792	1.56	4.02	65.7	5.05	.385	.054
22	.008	.005	0	0	0	3.09	4.10	21.3	17.4	70.4	6.95	*	22	*	.008	0	0	1.05	.570	1.39	3.42	27.4	4.87	.345	.045
23	.007	.004	0	0	0	2.43	15.5	16.9	9.09	36.6	6.73	*	23	*	.008	0	0	.915	.520	1.15	3.87	20.5	4.87	.324	.045
24	.007	.004	0	0	0	2.02	17.3	15.3	6.19	108.	5.45	*	24	*	.007	0	0	.570	.473	2.63	3.79	19.0	4.60	.303	.045
25	.007	.004	0	0	0	24.8	11.6	12.6	5.15	142.	*	*	25	*	.005	0	0	.324	.473	6.70	4.78	17.1	4.35	.283	.045
26	.007	.004	0	0	.245	2.82	4.78	11.2	46.9	106.	*	*	26	*	.001	0	0	.245	.428	6.96	38.7	16.2	4.43	.264	.045
27	.005	.004	0	0	.245	2.43	4.18	9.99	16.4	39.7	*	*	27	*	.005	0	0	.227	2.13	6.30	22.8	13.2	4.52	.245	.045
28	.005	.003	0	0	.193	2.02	3.94	9.09	51.8	26.8	*	*	28	*	.005	0	0	.193	1.92	4.62	15.5	12.6	4.35	.209	.045
29	.005	.001	0	0	.193	2.37	3.22	8.47	16.2	23.1	*	*	29	*	=	0	0	1.12	.981	3.71	29.6	16.6	4.10	.193	.037
30	.005	=	0	0	.120	1.81	2.88	8.11	11.3	17.9	*	*	30	*	=	0	0	.852	2.63	3.64	22.6	14.8	3.28	.193	.030
31	.005	=	0	=	.073	=	2.69	7.76	=	13.1	=	*	31	*	=	0	=	.732	=	3.56	32.6	=	2.82	=	.030
MOY	.027	.003	.000	0	.034	2.67	5.94	43.3	*	*	*	*	MOY	*	*	*	0	.264	1.19	2.73	7.80	40.7	10.8	.929	.080
DEBIT MINI	0.0			DATE 1ERE OBSERVATION 20 FEV								DEBIT MINI	0.0			DATE 1ERE OBSERVATION 5 MAR									
DEBIT MAXI	268.			DATE 1ERE OBSERVATION 16 AGU								DEBIT MAXI	167.			DATE 1ERE OBSERVATION 15 SEP									

STATION NUMERO 47401006												STATION NUMERO 47401006															
ANNEE 1978												ANNEE 1979															
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S															
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC				
1	.030	.001	.009	.207	4.16	.370	2.08	3.43	109.	86.1	23.3	*	1	*	.026	0	0	*	*	*	103.	288.	41.7	26.2	*		
2	.030	0	.007	.151	3.50	.262	.697	3.22	21.5	98.7	20.9	*	2	*	.022	0	0	*	*	*	89.0	258.	31.0	9.86	*		
3	.030	0	.012	.262	2.74	3.79	57.6	2.74	18.8	50.1	17.9	*	3	*	.018	0	0	*	*	*	51.1	144.	28.5	8.97	*		
4	.030	0	.012	.262	1.04	3.50	10.5	2.34	50.1	65.8	15.5	*	4	*	.018	0	0	*	*	*	45.9	332.	19.4	10.9	*		
5	.024	0	.009	.234	.738	3.22	19.2	2.15	39.7	35.7	14.7	*	5	*	.015	0	0	*	*	*	93.5	341.	16.7	7.18	*		
6	.024	0	.012	.191	.605	2.81	10.9	1.79	109.	29.1	13.5	*	6	*	.015	0	0	*	*	*	218.	172.	15.3	5.25	*		
7	.024	0	.009	.151	1.66	.702	8.84	4.69	64.6	20.7	11.2	*	7	*	.015	0	0	*	*	*	128.	301.	19.6	*	*		
8	.018	0	.007	.175	2.41	.575	7.07	4.31	30.4	17.3	9.86	*	8	*	.012	0	0	*	*	*	103.	160.	38.8	*	*		
9	.018	0	.041	.160	1.03	.521	39.7	6.12	26.8	161.	9.22	*	9	*	.009	0	0	*	*	*	70.3	100.	31.6	*	*		
10	.018	0	.031	.325	1.79	.398	27.1	4.16	44.4	124.	8.47	*	10	*	.009	0	0	*	*	*	5.87	34.9	46.9	19.0	*	*	
11	.018	0	.022	.216	2.17	4.38	21.9	3.43	25.0	38.8	7.53	*	11	*	.009	0	0	*	*	*	87.3	48.8	17.1	*	*		
12	.018	0	.018	.140	2.81	3.64	16.1	2.81	22.2	26.9	6.08	*	12	*	.007	0	0	*	*	*	132.	30.0	12.6	*	*		
13	.013	.054	37.5	.065	2.48	3.08	12.4	14.7	27.1	21.9	5.56	*	13	*	.007	0	0	*	*	*	111.	24.5	9.73	*	*		
14	.013	.073	4.08	1.04	2.15	2.28	19.9	11.5	54.5	20.1	5.05	*	14	*	.007	0	0	*	*	*	63.5	33.9	22.8	9.34	*	*	
15	.013	.054	1.86	.335	3.57	1.59	11.7	8.72	37.0	16.9	4.84	*	15	*	.005	0	0	*	*	*	231.	27.4	19.8	9.09	*	*	
16	.013	.041	.986	.966	2.61	1.13	7.99	8.35	34.3	22.1	*	*	16	*	.005	0	0	*	*	*	15.3	109.	30.3	8.84	*	*	
17	.013	.036	.548	.738	2.15	.940	6.85	6.30	29.1	20.3	*	*	17	*	.005	0	0	*	*	*	13.8	173.	28.5	8.60	*	*	
18	.008	.031	.453	.384	2.00	1.46	18.9	13.7	25.3	14.2	*	*	18	*	.005	0	0	*	*	*	14.8	208.	20.3	7.29	*	*	
19	.008	.026	.347	.313	1.72	1.53	13.4	12.0	18.1	12.6	3.64	*	19	*	.005	0	0	*	*	*	69.2	109.	157.	6.84	*	*	
20	.008	.022	.234	.272	1.46	1.86	9.99	10.8	72.5	11.6	*	*	20	*	.003	0	0	*	*	*	14.5	113.	29.7	6.29	*	*	
21	.007	.018	.191	.552	1.13	1.79	7.53	46.4	51.8	10.4	*	*	21	*	.003	0	0	*	*	*	31.9	45.5	27.9	6.08	*	*	
22	.007	.018	.160	.738	.854	1.65	6.30	16.2	31.0	22.9	*	*	22	*	.003	0	0	*	*	*	24.0	47.3	25.8	5.45	*	*	
23	.005	.015	3.55	1.34	.854	1.59	22.4	26.3	76.3	12.9	*	*	23	*	.002	0	0	*	*	*	725.	39.6	23.1	5.25	*	*	
24	.005	.015	4.61	.497	.775	1.29	11.6	13.1	64.3	12.2	*	*	24	*	.002	0	0	*	*	*	114.	26.8	19.0	*	*	*	
25	.004	.015	3.87	1.53	.635	.940	7.41	9.86	46.4	10.1	*	*	25	*	.001	0	0	*	*	*	32.8	27.9	*	*	*	*	
26	.004	.012	2.68	.940	.575	7.89	10.6	31.3	29.7	8.72	*	*	26	.058	.001	0	0	*	*	*	253.	34.3	25.3	8.60	*	*	
27	.004	.012	.605	.854	.521	2.74	10.2	29.0	31.9	68.8	*	*	27	.052	.000	0	0	*	*	*	79.0	24.0	21.5	7.76	*	*	
28	.003	.009	.477	.738	.474	2.08	9.47	32.6	109.	30.4	*	*	28	.046	.000	0	5.05	*	*	*	66.3	+	18.3	5.87	*	*	
29	.003	=	.335	4.16	.398	3.57	7.77	16.4	33.6	338.	*	*	29	.041	=	0	+	*	*	*	7.41	48.7	221.	16.7	*	*	
30	.003	=	.272	3.72	.324	2.67	5.35	13.6	86.7	69.5	*	*	30	.036	=	0	+	*	*	*	60.3	289.	46.4	8.16	*	*	
31	.001	=	.234	=	.474	=	4.57	28.2	=	46.9	=	*	31	.031	=	0	=	*	*	*	+	226.	=	16.7	=	*	
MOY	.013	.016	2.04	.716	1.61	2.14	13.8	12.6	47.4	49.2	*	*	MCY	*	.008	0	*	*	*	*	*	*	93.6	*	*	*	
			DEBIT MINI	0.0		DATE IERE OBSERVATION				2 FEV						DEBIT MINI	0.0				DATE IERE OBSERVATION			1 MAR			
			DEBIT MAXI	338.		DATE IERE OBSERVATION				29 OCT						DEBIT MAXI	?				DATE IERE OBSERVATION			25 JUL (H = 6,92 m)			

GENERALITES :

- Superficie du bassin versant : 3 630 km²
- Coordonnées de la station : 7°44'N - 1°12'E
- Cote du zéro de l'échelle : 148.63 (IGN)
- Amplitude de l'échelle : 0 à 10 m
- Accès : Pont CFT à l'entrée d'ANIE
- Date de création .. : 20.07.64
- Cadence des relevés : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 131
- Maximum jaugé : H = 5.64 - 5.44 m
Q = 250 m³/s
Date = 18.9.69
- Nombre de tarages utilisés pour la période 71-79 : 7
- Dernière courbe d'étalonnage utilisée :
. valide du 10.10.78 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,66	0.0	0.0	0.0
0,66 A 0,77	0.5000	0.1900	0.0
0,77 A 0,88	29.735	0.7746	0.030
0,88 A 1,00	2.0833	12.458	0.475
1,00 A 1,70	8.8100	12.690	2.00
1,70 A 2,10	30.000	25.000	15.2
2,10 A 3,00	1.1111	49.556	30.0
3,00 A 4,00	9.0000	50.500	75.5
4,00 A 5,00	12.000	64.000	135
5,00 A 6,00	2.0000	88.000	211
6,00 A 7,00	8.000	114.00	311
7,00 A 8,00	16.000	122.00	433
8,00 A 9,00	12.000	138.00	571
9,00 A 11,30	0.6280	167.69	721

Remarques : la station est équipée d'un limnigraphe qui enregistre les hauteurs supérieures à 1,50 - Le dépouillement des limnigrammes est en cours.

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1964	/	*	*	*	*	*	/
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976	/
1977
1978
1979

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

T JGC M:INC ANIE PONT C.F.T.
 STATION NUMERO 47401009
 ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
- . + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

- La courbe d'étalonnage a dû être fortement extrapolée. Les débits supérieurs à 300 m³/s donnés dans ces annales sont assez incertains.
- Les débits moyens journaliers donnés dans ces annales ont été calculés à partir des 2 relevés journaliers d'échelle- Cette cadence est insuffisante compte tenu de la rapidité des crues à cette station. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire, des débits donnés dans ces annales pour l'étude des crues et des modules.
- Les lectures faites à cette station ne sont pas de bonne qualité.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.015	0	.003	.004	.049	.573	3.38	37.7	44.2	31.7	4.06	.329
2	.013	0	.003	1.58	3.47	.273	1.63	19.6	34.5	34.9	3.89	.329
3	.013	0	.003	.755	1.30	.142	1.05	39.5	120.	23.3	3.72	.273
4	.013	0	.003	.114	.553	1.49	6.98	54.8	90.8	17.9	3.38	.273
5	.012	0	.012	.027	.881	1.23	2.41	83.8	97.2	15.3	3.22	.273
6	.012	0	.193	.025	.774	1.11	4.51	38.7	104.	29.7	3.05	.224
7	.010	0	.028	.036	.671	.993	7.25	37.8	108.	20.5	2.87	.224
8	.010	0	.017	.901	2.23	.671	5.72	62.8	100.	14.4	2.53	.180
9	.008	0	.005	.234	4.36	.390	4.15	32.3	96.0	13.6	2.37	.180
10	.008	0	.114	1.53	3.72	.224	5.01	22.5	129.	12.0	2.06	.180
11	.007	0	.028	.755	2.55	.142	3.61	17.2	120.	12.9	1.91	.142
12	.007	0	.023	3.73	5.36	.084	3.38	16.4	111.	25.1	1.76	.329
13	.005	.003	.014	3.38	3.30	.049	2.79	30.9	79.1	15.9	1.62	.224
14	.005	.003	.012	1.37	1.99	.040	2.13	55.1	115.	12.4	1.49	.180
15	.004	.003	.010	3.78	1.23	.033	1.84	38.5	163.	10.6	1.49	.180
16	.003	.003	.010	2.64	2.32	.027	1.30	32.3	195.	9.50	1.36	.180
17	.003	.001	.008	1.52	1.56	.052	16.5	99.6	293.	8.35	1.23	.180
18	.003	.001	.008	.901	.582	.037	15.6	149.	169.	7.79	1.11	.142
19	.001	.001	.007	.445	.680	1.36	10.8	67.4	105.	19.8	.993	.142
20	.001	.001	.007	.036	.132	.776	25.4	100.	82.8	16.7	.881	.142
21	.001	.001	.019	.031	2.25	.942	27.1	107.	65.9	12.0	.774	.110
22	.001	0	.315	.368	.537	.359	36.4	78.6	54.0	9.50	.671	.110
23	.001	0	1.69	.441	3.33	.908	13.7	57.7	91.1	8.07	.573	.110
24	.001	0	.805	.314	3.39	.883	9.02	60.9	49.6	6.88	.573	.110
25	.001	0	.357	.114	1.99	1.30	11.6	40.9	41.8	6.25	.479	.084
26	.001	0	.711	.028	1.36	3.47	9.02	34.9	40.3	5.89	.479	.084
27	.001	0	.113	.019	.996	2.06	7.52	39.7	36.9	5.45	.479	.084
28	.001	0	.017	.032	.622	1.49	15.6	34.9	29.3	5.10	.390	.084
29	0	=	.007	.025	.434	.942	26.0	23.3	30.1	4.84	.390	.063
30	0	=	.005	.020	.249	.332	46.7	18.4	28.1	4.49	.390	.063
31	0	=	.005	=	.126	=	35.5	39.9	=	4.23	=	.063
MCY	.005	.001	.137	.839	1.74	.746	11.8	50.7	94.1	13.7	1.67	.170
DEBIT MINI C.C DATE 1ERE OBSERVATION 29 JAN												
DEBIT MAXI 253. DATE 1ERE OBSERVATION 17 SEP												
DEBIT MOYEN ANNUEL 14.6 M3/S												

STATION NUMERO 47401009												STATION NUMERO 47401009														
ANNEE 1974												ANNEE 1975														
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S														
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGO	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGO	SEP	OCT	NOV	DEC			
1	.049	.033	.008	.150	.027	.076	.306	17.3	34.5	77.0	7.88	.248	1	.009	0	0	.007	.309	2.22	2.25	79.0	19.7	85.7	6.76	2.88	
2	.040	.027	.005	.098	.021	.040	1.27	20.5	21.9	42.3	7.03	.248	2	.009	0	0	.005	.250	2.40	10.1	133.	28.0	53.1	6.15	1.94	
3	.040	.027	.005	.057	.248	.027	1.20	25.8	23.6	115.	6.36	.213	3	.009	0	0	.005	.214	4.04	6.68	125.	81.7	80.1	5.87	1.57	
4	.040	.021	.003	.033	1.87	.021	.692	28.4	28.6	107.	5.80	.180	4	.009	0	0	.004	.214	2.00	4.78	52.5	83.5	63.9	5.79	1.48	
5	.033	.021	.001	.465	1.24	.123	.570	19.0	60.6	50.5	5.20	-.150	5	.009	0	0	.004	.214	1.39	3.90	47.2	60.1	45.7	5.45	1.39	
6	.033	.021	0	1.54	.756	.040	.516	12.3	101.	29.7	4.38	-.150	6	.009	0	0	.004	.156	.908	7.79	203.	67.5	338.	5.14	1.31	
7	.033	.021	0	.756	.628	.123	1.25	15.6	157.	46.4	3.64	-.123	7	.009	0	0	.008	.179	.666	5.70	110.	45.4	173.	4.92	1.22	
8	.027	.021	0	.370	.516	.057	.659	13.6	79.6	36.0	3.01	-.123	8	.009	0	0	.007	.146	1.14	4.71	98.3	80.6	82.9	4.78	1.14	
9	.027	.021	0	.180	.416	.033	.980	9.89	170.	31.1	2.63	.098	9	.009	0	0	.005	.146	.780	8.93	110.	106.	62.4	4.64	1.14	
10	.027	.016	0	.628	.756	1.28	.723	6.47	127.	32.5	2.38	-.098	10	.009	0	0	.004	.116	10.1	22.8	142.	56.6	54.9	4.50	1.06	
11	.021	.016	0	.327	.628	2.82	.543	5.36	69.9	54.6	2.15	-.076	11	.009	.009	0	.010	.534	7.21	28.2	86.6	84.7	48.7	4.29	.978	
12	.021	.016	0	.213	.516	1.81	5.13	11.0	115.	37.6	1.87	.076	12	.009	.009	0	.007	.415	5.00	21.7	65.3	96.0	68.9	4.03	.900	
13	.021	.016	0	.150	7.63	1.24	3.57	8.39	68.3	27.2	1.75	-.076	13	.009	.009	0	.005	.371	2.89	30.6	95.7	91.2	61.2	3.77	.838	
14	.021	.016	0	.098	1.54	.828	2.95	6.27	56.8	25.0	1.64	.057	14	.009	0	0	.165	.329	1.66	21.9	74.9	73.5	50.7	3.28	.838	
15	.021	.016	0	.076	.690	.690	5.72	5.20	51.5	19.1	1.54	.057	15	.009	0	0	.440	.288	.979	35.8	83.1	98.6	43.3	2.93	.779	
16	.016	.016	0	.057	.465	.628	5.19	4.70	62.6	15.1	1.43	.040	16	0	0	0	2.06	2.14	.666	39.1	99.2	147.	39.1	2.77	.779	
17	.016	.016	0	.040	.327	.570	4.38	18.9	61.9	14.9	1.33	-.040	17	0	0	0	2.25	2.66	.372	49.9	72.9	78.3	42.2	2.61	.779	
18	.016	.016	0	.690	.248	.516	2.69	11.2	223.	12.1	1.24	.040	18	0	0	0	1.39	1.80	27.5	43.1	65.5	82.3	36.5	2.83	.721	
19	.016	.027	0	.327	.180	.465	9.17	7.27	83.1	10.3	1.10	.040	19	0	0	0	.908	1.02	21.0	60.7	43.3	102.	39.1	2.93	.721	
20	.016	.021	0	.248	.150	.416	6.94	5.72	59.5	9.31	.900	.040	20	0	0	0	.640	5.33	15.4	44.3	49.4	82.4	29.1	2.71	.611	
21	.016	.021	0	.180	.123	.570	18.5	4.38	47.7	8.38	.791	.040	21	0	0	0	1.85	3.22	9.83	31.7	42.6	129.	25.2	2.50	.509	
22	.016	.021	0	.123	.098	.327	9.40	3.49	35.1	7.63	.690	.029	22	0	0	0	1.80	2.61	4.95	25.6	153.	109.	22.6	2.35	.461	
23	.016	.021	0	.098	.076	.180	7.28	7.16	28.2	7.15	.628	.029	23	0	0	0	1.31	2.40	2.61	18.7	71.0	94.7	20.4	2.24	.415	
24	.016	.021	0	.076	.057	.826	7.39	5.45	24.2	6.07	.570	.029	24	0	0	.058	2.03	2.19	1.99	17.6	58.8	322.	18.2	2.24	.415	
25	.016	.016	.027	.057	.040	.756	5.98	4.38	19.3	7.27	.516	.029	25	0	0	.354	2.55	2.09	1.52	42.9	42.6	159.	16.1	2.24	.371	
26	.016	.016	.021	.057	.033	.690	4.46	20.3	33.1	6.47	.465	-.019	26	0	0	.032	1.90	1.90	1.14	35.6	49.7	223.	13.9	2.40	.371	
27	.016	.016	.213	.040	.150	.628	3.93	12.6	33.9	5.80	.416	-.019	27	0	0	.019	1.44	1.66	7.64	38.9	60.6	209.	12.2	2.24	.329	
28	.016	.012	.098	.040	.180	.570	3.42	12.9	31.5	5.28	.370	-.019	28	0	0	.316	1.06	1.95	8.31	22.1	46.3	158.	11.4	2.14	.329	
29	.016	=	.123	.040	.150	.516	3.01	11.6	25.2	4.70	.327	.009	29	0	=	.008	.666	1.39	5.24	40.4	38.4	293.	10.2	2.04	.288	
30	.012	=	.570	.033	.123	.465	13.7	9.52	26.4	4.08	-.286	.009	30	0	=	.008	.416	1.71	3.59	38.0	30.8	161.	8.91	1.94	.250	
31	.012	=	.248	=	.098	=	33.7	55.3	=	3.42	=	.009	31	0	=	.007	=	1.44	=	48.4	24.7	=	7.54	=	.214	
MOY	.023	.020	.043	.241	.644	.578	5.33	12.9	65.3	27.7	2.28	.078	MOY	.004	.001	.006	.765	1.27	5.18	26.2	79.2	114.	52.7	3.62	.872	
DEBIT MINI	0.0												DEBIT MINI	0.0												
DEBIT MAXI	223.												DEBIT MAXI	322.												
DEBIT MOYEN ANNUEL	9.60	M3/S											DEBIT MOYEN ANNUEL	23.8	M3/S											

TOGO MONE ANIE PONT C.F.T.
 STATION NUMERO 47401009
 ANNEE 1976

DEBITS MOYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.214	.007	.005	.001	.047	.425	3.16	3.77	12.1	37.4	62.3	3.96
2	.173	.007	.005	0	.036	.329	2.66	2.54	10.1	68.3	67.1	3.58
3	.175	.007	.005	0	.027	.329	2.30	41.4	8.54	82.9	48.3	3.46
4	.146	.007	.005	0	.019	.666	1.85	18.7	7.32	45.9	36.9	3.22
5	.146	.007	.005	0	.013	.559	1.57	24.3	5.79	33.4	30.4	2.99
6	.116	.007	.005	0	.009	.509	7.81	39.0	57.4	24.9	25.8	2.77
7	.116	.007	.005	0	.007	.509	17.4	33.4	35.8	18.9	27.3	2.55
8	.146	.007	.005	0	.073	.438	10.4	25.2	22.3	15.0	70.4	2.35
9	.087	.007	.007	0	.047	.371	7.21	81.5	16.1	12.2	62.4	2.35
10	.060	.005	.007	0	.183	.329	5.22	96.9	12.1	10.9	76.1	2.14
11	.060	.005	.005	0	.214	.329	4.16	65.9	9.79	10.1	45.0	2.04
12	.047	.005	.005	0	.179	7.01	3.40	80.7	8.81	34.5	36.9	1.85
13	.047	.005	.005	0	.131	4.10	2.61	33.2	7.66	38.9	29.7	1.75
14	.047	.007	.005	0	.073	5.33	1.95	26.2	7.08	23.0	26.2	1.75
15	.036	.007	.005	0	.047	2.99	11.6	25.6	12.0	38.4	22.1	1.66
16	.036	.007	.005	0	.036	2.25	13.5	74.7	10.7	74.6	18.7	1.57
17	.036	.007	.005	0	.027	24.9	7.70	230.	9.11	89.1	15.6	1.48
18	.027	.007	.005	0	.019	6.48	25.6	82.4	10.3	67.6	13.5	1.39
19	.027	.007	.005	2.52	.060	14.0	23.0	18.4	6.76	62.6	12.0	1.31
20	.019	.007	.005	1.39	.047	11.2	16.7	17.4	6.26	118.	11.0	1.22
21	.019	.007	.005	1.18	.821	26.9	11.0	47.2	8.43	92.6	10.4	1.22
22	.019	.007	.005	.839	7.04	13.8	9.36	30.6	12.0	195.	11.2	1.14
23	.019	.007	.004	.534	3.78	6.78	8.41	28.0	24.7	90.3	9.08	1.06
24	.013	.007	.004	.438	1.65	16.9	7.08	24.3	12.5	63.4	8.03	1.06
25	.013	.007	.004	.350	1.44	45.6	18.9	22.1	9.22	102.	6.76	.978
26	.013	.007	.003	.269	1.18	21.3	8.43	18.7	10.4	124.	5.79	.978
27	.008	.007	.003	.196	.908	10.8	31.7	16.3	35.2	81.8	5.29	.900
28	.008	.005	.002	.131	.693	5.97	*	14.6	99.3	73.4	4.85	.900
29	.008	.005	.002	.073	.611	4.57	*	11.9	54.6	57.0	4.43	.779
30	.007	=	.001	.060	.559	3.96	*	22.3	50.1	51.6	4.16	.721
31	.007	=	.001	=	.559	=	*	15.4	=	40.0	=	.665

MOY .061 .006 .005 .266 .669 8.12 * 41.1 19.7 60.5 26.9 1.80

DEBIT MINI C.C DATE IERE OESERVATION 2 AVR
 DEBIT MAXI 230. DATE IERE OESERVATION 17 AOU

TOGO MONE ANIE PONT C.F.T.
 STATION NUMERO 47401009
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.611	.288	.007	0	0	.018	5.14	5.79	34.7	50.7	3.58	.250
2	.611	.250	.007	0	0	.019	3.77	5.33	27.8	57.3	3.22	.214
3	.611	.214	.007	0	0	.019	21.0	3.52	65.6	48.9	2.88	.214
4	.559	.146	.007	0	0	.883	8.17	2.99	71.9	46.3	2.66	.179
5	.559	.116	.007	0	0	1.44	5.54	2.55	118.	35.8	2.45	.146
6	.509	.087	.007	0	0	1.18	5.62	2.14	125.	35.2	2.24	.116
7	.509	.060	.007	0	0	1.06	4.50	1.75	64.6	30.8	2.14	.087
8	.461	.047	.007	0	0	1.22	3.83	2.04	70.6	82.8	1.94	.087
9	.415	.036	.007	0	0	1.14	3.10	2.00	88.4	42.0	1.85	.087
10	.329	.027	.007	0	0	.979	8.57	1.75	56.5	33.0	1.75	.087
11	.288	.019	.005	0	0	.750	7.32	1.39	47.8	98.1	1.66	.060
12	.250	.019	.005	0	0	.585	5.45	39.8	283.	66.8	1.57	.060
13	.250	.019	.005	0	0	.509	4.29	20.6	94.1	41.1	1.39	.060
14	.250	.013	.005	0	0	.415	3.46	11.4	65.6	38.7	1.22	.047
15	.250	.013	.004	0	0	3.36	2.99	5.47	278.	34.5	1.14	.047
16	.250	.008	.004	0	0	1.44	3.83	42.2	370.	26.7	1.06	.036
17	.214	.008	.004	0	0	1.18	3.34	23.0	144.	22.8	.900	.036
18	.214	.008	.003	0	0	1.02	2.88	26.3	91.9	18.9	.838	.027
19	.214	.007	.003	0	0	.903	2.40	48.4	64.8	17.8	.779	.027
20	.179	.007	.003	0	0	11.6	2.09	17.2	56.3	15.9	.721	.027
21	.146	.007	.003	0	0	3.72	1.80	11.5	78.9	14.1	.665	.019
22	.156	.007	.002	0	0	2.04	2.27	9.36	64.2	11.7	.611	.019
23	.146	.007	.001	0	0	1.57	2.35	7.32	48.3	9.51	.509	.019
24	.116	.007	.001	0	0	1.26	1.99	5.70	52.4	8.03	.461	.019
25	.087	.007	.001	0	0	1.14	1.66	4.92	42.2	6.86	.371	.019
26	.363	.007	.001	0	0	1.06	4.26	50.6	70.4	6.06	.371	.013
27	.611	.007	0	0	0	.939	4.78	69.3	47.6	5.45	.329	.013
28	.559	.007	0	0	0	1.85	4.09	30.6	45.5	4.99	.329	.013
29	.485	=	0	0	0	1.39	3.58	19.7	83.0	4.57	.288	.013
30	.393	=	0	0	0	7.57	3.10	44.6	64.9	4.29	.250	.013
31	.329	=	0	=	0	=	7.14	43.0	=	3.96	=	.008

MOY .354 .052 .004 0 0 1.74 4.66 18.1 93.9 29.8 1.34 .066

DEBIT MINI C.C DATE IERE OESERVATION 27 MAR
 DEBIT MAXI 370. DATE IERE OESERVATION 16 SEP

DEBIT MOYEN ANNUEL 12.5 M3/S

STATION NUMERIC 47401009												STATION NUMERIC 47401009															
ANNEE 1978												ANNEE 1979															
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S															
TJGC	MJNC	ANIE	PONT C.F.T.									TJGC	MJNC	ANIE	PONT C.F.T.												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC				
1	.008	.004	0	.615	3.98	.564	15.1	14.9	140.	169.	53.0	2.52	1	.851	.018	.002	.004	.004	1.04	76.2	217.	369.	75.0	42.7	1.48		
2	.008	.004	0	.539	1.77	1.52	12.2	13.2	76.6	101.	41.2	2.39	2	.725	.018	.002	2.33	.004	.798	19.8	134.	568.	61.4	21.8	1.36		
3	.008	.003	0	.444	1.37	12.8	27.4	12.8	63.2	77.5	35.0	2.26	3	.600	.016	.002	.914	.004	.600	13.6	104.	157.	51.7	14.7	1.36		
4	.008	.003	0	.336	1.20	18.9	50.2	11.5	105.	75.1	28.8	2.00	4	.475	.016	.002	4.85	1.36	.475	10.1	152.	238.	36.5	11.5	1.23		
5	.008	.003	0	.380	1.12	12.7	27.2	10.5	68.3	53.8	23.5	1.74	5	.405	.013	.002	2.33	.914	8.00	9.09	176.	200.	27.9	10.4	1.23		
6	.008	.002	0	.193	1.01	28.0	32.9	9.87	183.	54.7	21.6	1.48	6	.341	.013	.002	.789	.725	6.25	14.6	149.	110.	22.5	9.70	1.10		
7	.007	.002	0	5.65	.934	14.1	28.0	9.17	94.1	44.2	27.4	1.36	7	.282	.011	.002	.155	1.11	4.26	15.0	124.	108.	19.6	8.98	.977		
8	.007	.002	0	5.92	.809	15.7	30.9	8.37	64.1	39.4	15.0	1.23	8	.282	.011	.002	.031	1.10	2.66	14.6	128.	239.	22.3	8.29	.851		
9	.007	.001	0	3.19	.695	15.2	33.9	27.2	49.8	208.	15.9	1.10	9	.230	.008	0	.016	.662	3.61	13.1	108.	106.	46.5	7.43	.725		
10	.007	.001	0	.724	.615	35.9	67.3	15.9	66.6	277.	14.2	.977	10	.230	.008	0	.012	.373	4.41	16.8	135.	80.7	31.6	7.06	.725		
11	.007	.001	0	.423	.564	60.1	41.1	11.9	54.1	95.5	12.6	.851	11	.184	.006	0	.011	.282	3.43	14.6	138.	64.5	21.1	6.69	.725		
12	.007	0	.040	.261	.514	35.2	35.1	15.3	44.2	68.6	11.8	.725	12	.184	.006	0	.011	.230	2.19	16.4	152.	55.8	17.4	6.33	.725		
13	.007	0	.010	.145	.467	23.2	27.8	92.4	41.7	54.3	11.0	.600	13	.143	.006	0	.008	.184	3.21	16.2	123.	46.5	15.0	5.90	.600		
14	.007	0	.003	1.99	.422	15.7	49.4	35.6	46.6	44.7	9.91	.475	14	.143	.006	0	.006	.143	2.52	88.8	136.	42.5	13.6	5.14	.600		
15	.007	0	6.23	3.27	3.34	11.5	39.6	27.2	51.1	39.0	8.88	.405	15	.143	.006	0	.006	.109	6.06	93.9	158.	59.8	14.5	4.65	.600		
16	.007	0	3.56	1.37	4.29	27.6	27.0	20.9	53.6	34.0	8.19	.341	16	.109	.006	0	.006	.230	8.59	55.1	136.	149.	12.7	4.18	.475		
17	.007	0	2.16	1.37	3.13	13.6	22.0	18.9	40.0	47.5	7.52	.282	17	.109	.006	0	.004	2.59	7.15	59.5	139.	63.2	11.5	3.95	.475		
18	.007	0	1.42	.874	2.54	15.7	143.	15.7	35.6	36.0	6.78	.230	18	.109	.004	0	.004	2.32	6.24	48.7	462.	45.2	10.9	3.80	.475		
19	.007	0	1.08	.723	2.16	11.9	62.7	22.4	43.0	33.2	6.16	.184	19	.080	.004	.003	.004	2.13	5.22	61.7	255.	104.	10.4	3.50	.405		
20	.007	0	.869	.668	1.82	9.88	42.3	20.7	70.1	26.3	5.64	.143	20	.080	.004	.008	.004	2.72	4.26	56.3	136.	56.3	9.81	3.07	.405		
21	.007	0	.751	.615	1.61	33.1	31.6	42.5	79.4	22.5	5.30	.109	21	.057	.004	.008	0	1.87	3.50	38.2	114.	53.0	9.29	2.79	.405		
22	.007	0	.589	.564	1.51	17.5	24.9	42.6	71.6	55.1	4.81	.080	22	.057	.004	.008	.004	1.36	2.79	110.	108.	68.4	8.58	2.52	.405		
23	.007	0	.444	.514	1.24	14.4	133.	41.1	88.7	40.5	4.49	.057	23	.041	.004	.008	.004	.914	2.32	488.	86.5	157.	8.00	2.26	.341		
24	.005	0	.828	.514	1.01	16.1	57.8	34.1	83.7	78.5	4.18	.041	24	.041	.004	.006	.004	.600	9.85	408.	69.1	77.5	7.43	2.00	.341		
25	.005	0	.534	2.16	.900	12.3	36.0	24.0	87.1	36.0	3.58	.030	25	.030	.004	.006	.004	.405	51.2	161.	82.4	60.6	6.87	1.87	.341		
26	.005	0	.900	1.51	.839	9.04	53.0	18.4	62.2	29.3	3.29	.024	26	.030	.004	.006	.004	.405	15.2	114.	91.0	51.3	6.51	1.74	.341		
27	.005	0	.639	1.24	.751	9.18	48.8	69.0	54.0	41.0	3.00	.021	27	.024	.002	.006	.004	.341	11.0	148.	62.7	39.7	17.3	1.61	.282		
28	.005	0	.839	1.01	.869	16.1	37.5	55.7	70.1	73.0	2.86	.018	28	.024	.002	.006	.004	.341	9.70	185.	60.4	32.2	11.1	1.61	.282		
29	.005	=	.780	.809	.751	13.2	30.3	63.2	65.3	84.3	2.72	.016	29	.021	=	.004	.004	.282	8.39	70.9	340.	27.4	10.3	1.48	.282		
30	.005	=	.780	3.20	.668	10.9	67.3	35.1	197.	141.	2.59	1.10	30	.021	=	.004	.004	.282	13.6	80.1	493.	122.	9.60	1.48	.282		
31	.004	=	.695	=	.615	=	61.4	48.0	=	72.9	=	.977	31	.021	=	.004	=	1.42	=	601.	497.	=	62.7	=	.282		
MOY	.006	.001	.767	1.41	1.40	17.7	45.0	28.7	75.0	72.6	13.4	.767	MOY	.196	.008	.003	.384	.820	6.95	101.	170.	118.	22.2	6.97	.649		
DEBIT MINI			C.O	DATE IERE OBSERVATION								12	FEV	DEBIT MINI			C.O	DATE IERE OBSERVATION								9	MAR
DEBIT MAXI			277.	DATE IERE OBSERVATION								10	OCT	DEBIT MAXI			601.	DATE IERE OBSERVATION								31	JUL
DEBIT MOYEN ANNEEL			21.5	M3/S								DEBIT MOYEN ANNEEL			36.0	M3/S											

GENERALITES :

- Superficie du bassin versant : 360 km²
- Coordonnées de la station : 7°10'N - 1°17'E
- Cote du zéro de l'échelle : 132 (IGN) environ
- Amplitude de l'échelle : 0 à 5 m
- Accès : Pont de la route
LOME-ATAKPAME
- Date de création : 21.2.1963
- Cadence des relevés : 2 relevés par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 41
- Maximum jaugé : H = 3.11 - 3.03 m
(ancienne échelle)
Q = 19.0 m³/s
Date = 1.10.63
- Nombre de tarages utilisés pour la
période 71-79 : 5
- Dernière courbe d'étalonnage utilisée :
. valide du 1.1.78 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,30	1.0000	0.5000	0.0
0,30 A 0,35	21.666	1.1166	0.240
0,35 A 0,90	4.7972	4.2181	0.350
0,90 A 2,10	1.5277	8.2500	4.10
2,10 A 2,80	1.5476	12.202	16.2

Remarques : le pont sur lequel s'appuyait l'ancienne station a été démolé en novembre 1971 - Une nouvelle station a été installée le 25.7.72 au niveau du nouveau pont.

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1963	/	*	*	*	/	.	/
1964
1965	/	*	*	/
1966
1967
1968
1969
1970	.	.	.	*	/
1971	/
1972	*	*	*	*	*	*	*	/	/	/	/	*
1973	.	.	.	/
1974
1975
1976
1977
1978
1979

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TUJO MJNC CHFA CHRA
 ANNEE 1971 STATION NUMERO 47401505

- SYMBOLES UTILISES :

- * signifie : pas de relevé
 . + signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

- La station étant très instable en basses eaux, les débits inférieurs à 60 l/s sont assez incertains puisque ceux-ci ont été calculés à partir de hauteurs d'eau et de courbes de tarage qui s'appuyent sur un nombre insuffisant de jaugeages.
 - La cadence des relevés est insuffisante compte tenu de la rapidité des crues. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire, des débits donnés dans ces annales pour l'étude des crues et des modules.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGO	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	3.87	.278	1.00	.059	0
2	0	0	0	0	0	0	0	1.66	.613	.837	.040	0
3	0	0	0	0	0	0	0	.875	1.42	1.27	.017	0
4	0	0	0	0	0	0	0	1.17	.937	1.04	0	0
5	0	0	0	0	0	0	0	3.16	2.50	1.65	0	0
6	0	0	0	0	0	0	0	2.36	12.2	2.03	0	0
7	0	0	0	0	0	0	0	4.40	8.16	1.83	0	0
8	0	0	0	0	0	0	0	2.30	5.87	1.13	0	0
9	0	0	0	0	0	0	0	1.32	2.13	.849	0	0
10	0	0	0	0	0	0	.042	.719	1.70	.703	0	0
11	0	0	0	0	0	0	.011	.384	1.39	.443	0	0
12	0	0	0	0	0	0	0	.312	1.33	.706	0	0
13	0	0	0	0	0	0	0	2.63	1.50	1.03	0	0
14	0	0	0	0	0	0	0	3.16	1.52	.766	0	0
15	0	0	0	0	0	0	0	1.93	1.97	.471	0	0
16	0	0	0	0	0	0	.539	4.28	5.42	.330	0	0
17	0	0	0	0	0	0	1.72	4.87	9.07	.261	0	0
18	0	0	0	0	0	0	2.49	4.57	8.64	.221	0	0
19	0	0	0	0	0	0	.942	2.45	9.24	.198	0	0
20	0	0	0	0	0	0	.442	2.56	7.15	.357	0	0
21	0	0	0	0	0	0	1.68	8.25	5.05	.520	0	0
22	0	0	0	0	0	0	1.06	11.4	3.63	.461	0	0
23	0	0	0	0	0	0	.377	6.30	8.89	.278	0	0
24	0	0	0	0	0	0	.245	4.07	18.8	.213	0	0
25	0	0	0	0	0	0	.175	2.23	6.20	.168	0	0
26	0	0	0	0	0	0	.190	1.42	3.30	.125	0	0
27	0	0	0	0	0	0	.153	1.07	2.53	-.104	0	0
28	0	0	0	0	0	0	.118	.788	2.06	-.097	0	0
29	0	=	0	0	0	0	.091	.584	1.81	.097	0	0
30	0	=	0	0	0	0	1.57	.421	1.36	.091	0	0
31	0	=	0	=	0	=	3.72	.330	=	.094	=	0
MOY	0	0	0	0	0	0	.502	2.77	4.55	.624	.004	0
DEBIT MINI		0.0		DATE 1ERE OBSERVATION		1 JAN						
DEBIT MAXI		18.8		DATE 1ERE OBSERVATION		24 SEP						
DEBIT MOYEN ANNUEL		0.705 M3/S										

TOGD MCNC CHRA CHRA
 STATION NUMERO 47401505
 ANNEE 1972

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	ACU	SEP	OCT	NOV	DEC
1	C	0	0	C	0	0	0	* .330	*	*	*	
2	0	C	C	0	0	0	0	* .267	*	*	*	
3	0	0	0	0	0	0	0	* .800	*	*	*	
4	0	0	0	0	C	0	0	* .431	.041	*	*	
5	0	0	0	C	0	0	0	* .212	*	*	*	
6	0	0	0	0	0	0	0	* .125	*	*	*	
7	0	0	0	0	C	0	0	* .093	*	*	*	
8	0	0	0	0	C	0	0	* .069	*	*	*	
9	0	0	C	0	0	0	0	* .093	*	*	*	
10	0	0	0	0	0	0	0	* .093	*	*	*	
11	0	0	0	0	0	0	0	* .093	*	*	*	
12	0	0	C	C	0	0	0	* .053	*	*	*	
13	0	0	0	C	0	0	0	* .045	*	*	*	
14	0	0	C	C	0	0	0	* .041	*	*	*	
15	C	0	0	C	0	0	0	* .041	*	.006	*	
16	0	0	0	0	0	0	0	* *	*	.006	*	
17	0	0	C	C	0	0	0	* *	*	.003	*	
18	0	0	0	0	C	0	0	* *	*	.003	*	
19	0	0	0	0	0	0	0	* *	*	.003	*	
20	0	0	0	C	C	0	0	* .045	*	0	*	
21	0	0	0	C	C	0	0	* .330	*	*	*	
22	0	0	0	0	0	0	0	* .267	*	*	*	
23	C	0	0	0	C	0	0	* .267	*	*	*	
24	0	0	0	0	0	0	0	* .125	*	*	*	
25	0	0	0	0	0	0	0	* .069	*	*	*	
26	0	0	0	C	C	C	0	.431 .041 .431	*	*	*	
27	0	0	0	C	0	0	*	.330 * .212	*	*	*	
28	C	0	0	C	C	0	*	.267 .045 .165	*	*	*	
29	0	0	0	0	0	0	*	.330 .053 .069	*	*	*	
30	C	=	0	C	C	0	*	.267 .041 .041	*	*	*	
31	C	=	0	=	0	=	*	.431 = *	=	*	*	
MOY	0	0	0	C	C	0	*	* * *	*	*	*	*

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 1 JAN
 DEBIT MAXI 0.800 DATE 1ERE OBSERVATION 3 SEP

TOGD MCNC CHRA CHRA
 STATION NUMERO 47401505
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	ACU	SEP	OCT	NOV	DEC	
1	0	0	0	0	.029	0	2.41	.034	.016	6.50	.319	.082	
2	0	0	0	0	.016	0	1.70	.419	.009	3.00	.526	.082	
3	0	0	0	0	.012	0	1.04	.377	.290	.415	.481	.082	
4	0	0	0	0	.006	0	.542	1.37	5.54	2.27	.350	.082	
5	0	0	C	0	.003	0	.349	.232	2.18	2.71	.253	.082	
6	0	0	0	C	.003	0	.188	2.21	.278	.278	.218	.074	
7	0	0	0	0	0	0	.125	8.76	.033	.057	.198	.074	
8	0	0	0	.330	C	0	.073	4.33	.023	.034	.188	.074	
9	0	0	0	.018	0	0	.073	1.92	.023	.846	.178	.074	
10	C	0	0	0	0	0	.053	7.04	.016	.644	.158	.074	
11	0	0	0	C	0	0	.053	7.46	.009	.718	.158	.074	
12	0	0	0	0	0	0	.061	1.37	.010	.644	.149	.074	
13	0	0	0	0	0	0	.057	.109	.562	.596	.140	.074	
14	0	0	0	0	0	0	.001	.045	.036	3.73	.504	.140	.074
15	0	0	0	*	0	0	.043	.021	2.24	.393	.131	.067	
16	0	0	0	*	0	0	.036	.015	2.57	.319	.131	.067	
17	0	0	C	0	0	0	.031	.009	.405	.293	.122	.046	
18	0	0	0	0	0	0	.029	.010	.330	.271	.122	.040	
19	0	0	0	0	0	0	.024	.018	.278	.240	.114	0	
20	0	0	0	0	0	0	.021	.028	.043	.224	.114	0	
21	0	0	0	*	C	0	.019	.026	.033	.213	.106	0	
22	0	0	0	.031	0	.039	.016	.019	.884	.193	.106	0	
23	0	0	0	.012	0	.278	.015	.061	3.74	.178	.106	0	
24	0	0	0	.299	0	.040	.012	2.02	20.4	.188	.097	0	
25	0	0	0	.375	C	.031	.018	.968	7.14	.229	.097	0	
26	0	0	0	.050	0	.021	.016	.105	.379	1.61	.090	0	
27	0	0	0	.023	0	.012	.012	.029	.047	1.18	.090	0	
28	0	0	0	.034	.001	.016	.071	4.21	.186	.621	.082	0	
29	0	=	0	.741	0	.024	.069	4.44	1.67	.437	.082	0	
30	0	=	0	.045	0	.024	.040	.318	4.38	.393	.082	0	
31	0	=	0	=	0	=	.034	.033	=	.350	=	0	
MOY	0	0	0	*	.002	.016	.235	1.55	1.91	.856	.171	.042	

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 1 JAN
 DEBIT MAXI 20.4 DATE 1ERE OBSERVATION 24 SEP

TOGO MOND CHRA CHRA TCGO MONC CHFA CHRA
 STATION NUMERO 47401505 ANNEE 1974 STATION NUMERO 47401505 ANNEE 1975

DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	0	.360	J	G	0	0	2.01	1.77	7.95	-.437	-.106	1	0	0	0	0	.131	-.140	-.182	6.33	-.158	3.47	-.271	-.149	
2	0	0	0	0	.041	0	2.64	.986	4.98	.350	-.106	2	0	0	0	0	.131	-.164	-.172	22.8	-.158	1.48	-.229	-.149	
3	0	0	0	0	0	0	1.81	.552	18.9	-.356	-.106	3	0	0	0	0	.122	-.280	-.173	25.5	-.239	1.61	-.208	-.168	
4	0	0	0	J	.054	0	1.04	.393	25.6	-.669	-.106	4	0	0	0	0	.571	-.255	1.19	18.1	1.70	1.94	-.198	-.218	
5	0	0	0	0	.027	0	.645	-.527	8.22	-.694	-.097	5	0	0	0	0	.744	-.203	5.37	5.03	-.378	-.777	-.188	-.188	
6	0	0	C	0	0	0	.459	-.481	2.65	-.414	-.097	6	0	0	C	.060	2.25	-.183	9.05	3.47	-.273	-.481	-.188	-.188	
7	0	0	0	C	.074	0	.343	-.436	1.48	-.273	-.097	7	0	0	0	0	4.10	-.173	5.18	4.95	2.35	1.46	-.178	-.168	
8	0	0	0	0	0	0	.306	-.481	1.09	-.241	-.090	8	0	0	0	0	.936	-.168	2.82	4.12	4.85	8.16	-.178	-.168	
9	0	0	0	0	0	0	-.282	-.526	1.04	-.224	-.090	9	0	0	0	0	1.32	-.162	1.61	3.43	12.2	34.0	-.178	-.149	
10	0	0	0	0	0	.067	.306	-.694	5.25	-.218	-.082	10	0	0	0	0	.354	-.310	-.470	3.09	6.07	20.9	-.168	-.140	
11	0	0	0	C	0	0	.115	-.356	-.575	7.37	-.203	-.074	11	0	0	0	0	.213	3.69	1.03	1.74	1.87	11.7	-.168	-.140
12	0	0	.074	C	0	0	.293	1.71	-.436	8.73	-.193	-.074	12	0	0	0	0	.183	-.918	7.18	2.05	1.70	23.1	-.178	-.131
13	0	0	0	0	0	0	.262	-.770	-.437	1.83	-.183	-.074	13	0	0	0	0	.162	1.61	15.7	3.78	7.74	12.9	-.178	-.131
14	0	0	0	0	0	0	1.14	-.459	1.00	7.20	-.178	-.074	14	0	0	0	0	.163	8.08	12.0	1.61	5.51	4.74	-.168	-.131
15	0	0	0	C	0	0	3.26	-.628	2.12	15.8	-.168	-.074	15	0	0	0	0	.154	2.67	3.32	-.575	10.8	2.72	-.168	-.122
16	0	0	.074	0	0	.082	.936	6.31	2.84	3.42	-.158	-.074	16	0	0	0	0	.145	-.509	10.3	-.393	28.5	4.98	-.158	-.122
17	0	0	.053	C	0	.082	.550	6.14	2.14	3.35	-.149	-.074	17	0	0	0	0	.140	-.262	13.5	-.319	17.9	4.69	-.188	-.114
18	0	0	0	C	0	0	.343	1.39	1.01	3.46	-.149	-.074	18	0	0	0	.160	-.140	-.213	7.68	-.271	5.09	22.7	-.508	-.106
19	0	0	0	0	0	0	.321	-.694	1.42	1.42	-.149	-.074	19	0	0	0	1.25	-.131	-.193	7.76	-.253	2.49	24.9	-.960	-.106
20	0	0	0	0	0	0	.461	-.459	1.45	-.899	-.149	-.074	20	0	0	0	.250	-.131	-.437	2.57	-.218	1.42	24.6	-.203	-.097
21	0	0	C	C	0	0	1.90	-.371	1.03	-.645	-.140	-.074	21	0	0	0	-.208	-.122	2.26	1.63	-.202	-.504	14.3	-.183	-.090
22	0	0	0	0	0	0	1.71	-.319	-.669	-.504	-.140	-.074	22	0	0	0	-.203	-.122	-.857	3.01	-.208	1.69	5.65	-.178	-.090
23	0	0	0	0	0	0	15.6	-.271	-.481	2.32	-.131	-.067	23	0	0	0	.183	-.122	-.295	7.04	-.198	2.54	5.16	-.168	-.082
24	0	0	0	C	C	0	8.71	-.247	2.92	12.4	-.131	-.067	24	0	0	0	.173	-.114	-.218	6.22	-.158	12.7	4.56	-.163	-.082
25	0	0	.074	C	0	0	1.98	-.743	3.96	11.8	-.122	-.060	25	0	0	0	.213	-.114	-.208	2.20	-.188	12.7	2.76	-.158	-.082
26	0	0	0	0	0	0	1.11	-.668	4.63	7.01	-.122	-.053	26	0	0	0	.188	-.114	-.203	-.995	-.188	3.61	1.87	-.154	-.090
27	0	0	0	0	0	0	1.96	-.550	4.64	2.09	-.122	0	27	0	0	0	.168	-.106	-.213	-.350	-.188	1.74	1.32	-.149	-.188
28	0	0	0	C	.074	0	2.15	-.393	1.20	1.12	-.114	0	28	0	0	0	.158	-.106	-.203	-.306	-.178	1.49	1.54	-.140	-.168
29	0	=	0	0	0	0	1.80	-.306	1.15	-.645	-.114	0	29	0	=	0	-.149	-.106	-.198	-.271	-.178	4.00	1.22	-.140	-.149
30	.082	=	0	0	0	0	4.29	-.262	1.30	-.527	-.114	0	30	0	=	0	.140	-.188	-.203	-.253	-.168	6.82	-.599	-.140	-.140
31	.074	=	0	=	0	=	2.46	1.92	=	-.481	=	0	31	C	=	0	=	-.149	=	3.67	-.158	=	-.356	=	-.140

MOY .005 .002 .009 0 .010 .008 1.66 1.12 1.41 5.49 .227 .068
 DEBIT MINI 0.0 DATE 1ERE CESERVATION 1 JAN
 DEBIT MAXI 25.6 DATE 1ERE CESERVATION 4 OCT
 DEBIT MOYEN ANNEE 0.846 M3/S

MOY 0 0 0 .117 .442 .850 4.30 3.55 5.31 8.09 .214 .135
 DEBIT MINI 0.0 DATE 1ERE OBSERVATION 1 JAN
 DEBIT MAXI 34.0 DATE 1ERE CESERVATION 9 OCT
 DEBIT MOYEN ANNEE 1.94 M3/S

TOGO MOND CHRA CHRA
 STATION NUMERO 47401505
 ANNEE 1976

DEBITS MOYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.131	0	0	0	0	0	.262	.044	.041	.056	2.74	.044
2	.122	0	0	0	0	0	.153	.041	.041	.058	3.70	.041
3	.114	0	0	0	0	0	.115	.037	.037	1.35	1.27	.041
4	.114	0	0	0	0	0	.087	.033	.033	4.75	1.01	.037
5	.106	0	0	0	0	0	.069	.030	.030	1.27	.830	.037
6	.097	0	0	0	0	0	.060	.030	.030	.795	1.12	.037
7	.090	0	0	0	0	0	.060	.027	.027	.456	2.90	.033
8	.090	0	0	0	0	0	.056	.027	.023	.294	4.52	.033
9	.082	0	0	0	0	0	.052	.027	.020	.200	1.35	.033
10	.082	0	0	0	0	0	.048	.023	.017	.111	1.16	.030
11	.074	0	0	0	0	.100	.048	.023	.017	.071	.937	.030
12	.074	0	0	0	0	.052	.044	.023	.017	.352	1.12	.027
13	.074	0	0	0	0	.035	.044	.023	.014	1.95	.865	.027
14	.074	0	0	0	0	8.36	.041	.020	.011	1.20	.691	.027
15	.074	0	0	0	0	7.53	.037	.023	.011	1.05	.555	.023
16	.067	0	0	0	0	4.78	.037	.027	.008	.944	.423	.023
17	.067	0	0	0	0	1.39	.041	.043	.008	9.41	.326	.023
18	0	0	0	0	0	.865	.080	.291	.008	14.0	.262	.023
19	0	0	0	0	0	1.35	.064	.423	.020	7.71	.200	.020
20	0	0	0	0	0	.725	.050	.326	.020	17.4	.153	.020
21	0	0	0	0	0	.622	.046	.208	.017	26.4	.115	.017
22	0	0	0	0	0	.522	.042	.134	.014	14.9	.115	.014
23	0	0	0	0	0	.326	.041	.101	.014	3.70	.087	.014
24	0	0	0	0	0	.304	.041	.078	.014	1.46	.060	.011
25	0	0	0	0	0	1.01	.037	.064	.014	4.36	.060	.115
26	0	0	0	0	0	1.23	.037	.056	.014	7.72	.048	.069
27	0	0	0	0	0	.937	.118	.054	.014	10.6	.056	.060
28	0	0	0	0	0	.657	.220	.050	.027	6.25	.052	.052
29	0	0	0	0	0	.423	.062	.048	.056	5.95	.048	.052
30	0	=	0	0	0	.294	.052	.046	.052	2.84	.044	.048
31	0	=	0	=	0	=	.046	.042	=	1.50	=	.044
MOY	.049	0	0	0	0	1.05	.071	.078	.022	4.81	.894	.036

DEBIT MINI 0.008 DATE IERE OBSERVATION 16 SEP

DEBIT MAXI 27.0 DATE IERE OBSERVATION 21 OCT

DEBIT MOYEN ANNUEL 0.588 M3/S

TOGO MCNG CHRA CHRA
 STATION NUMERO 47401505
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S
 JAN FEV MAR AVR MAI JUN JUL AOU SEP OCT NOV DEC

1	.044	0	0	0	0	.043	.060	.044	.005	13.1	.115	0
2	.041	0	0	0	0	.048	.048	.037	.004	6.29	.069	0
3	.037	0	0	0	0	.037	.048	.033	.005	3.70	.060	0
4	.033	0	0	0	0	.033	.041	.030	.003	3.53	.052	0
5	.033	0	0	0	0	.032	.037	.027	.004	1.39	.048	0
6	.030	0	0	0	0	.025	.037	.027	.016	.901	.044	0
7	.030	0	0	0	0	.023	.033	.023	.522	5.38	.041	0
8	.027	0	0	0	0	.022	.030	.020	.390	14.2	.037	0
9	.023	0	0	0	0	.017	.027	.017	.157	8.47	.033	0
10	.023	0	0	0	0	.015	.027	.017	.239	2.08	.030	0
11	.020	0	0	0	0	.037	.023	.014	.337	2.48	.030	.015
12	.020	0	0	0	0	.030	.023	.011	.491	22.6	.030	.017
13	.020	0	0	0	0	.341	.020	.011	.157	29.8	.027	.020
14	.020	0	0	0	0	.876	.020	.008	.623	11.4	.023	.015
15	.008	0	0	0	0	1.90	.017	.005	.865	3.91	.020	.014
16	.008	0	0	0	0	1.95	.017	.008	2.42	2.03	.020	.014
17	.005	0	0	0	0	.938	.014	.005	3.30	1.31	.017	.014
18	.003	0	0	0	0	.022	.271	.012	.005	5.86	1.95	.014
19	0	0	0	0	0	.058	.231	.010	.004	2.01	16.2	.014
20	0	0	0	0	0	.078	.115	.008	.003	.761	14.4	.011
21	0	0	0	0	0	.120	.390	.005	.003	5.12	7.41	.011
22	0	0	0	0	0	.625	.729	.003	0	13.6	2.39	.008
23	0	0	0	0	0	.404	.725	.003	0	2.05	1.31	.008
24	0	0	0	0	0	1.02	.391	0	0	.869	.902	.008
25	0	0	0	0	0	.111	.176	0	.008	.589	.725	.008
26	0	0	0	0	0	.835	.092	.001	.012	.521	.522	.008
27	0	0	0	0	0	.134	.058	0	.008	.657	.455	.005
28	0	0	0	0	0	.092	.069	.012	.007	.656	.358	.003
29	0	=	0	0	0	.060	.208	.020	.005	.657	.263	.003
30	0	=	0	0	0	.050	.078	.044	.007	10.0	.200	0
31	0	=	0	=	0	.044	=	.044	.005	=	.115	=
MOY	.014	0	0	0	0	.118	.330	.022	.013	1.76	5.80	.027

DEBIT MINI 0.0 DATE IERE OBSERVATION 19 JAN

DEBIT MAXI 29.8 DATE IERE OBSERVATION 13 OCT

DEBIT MOYEN ANNUEL 0.682 M3/S

STATION NUMERO 47401505												STATION NUMERO 47401505													
ANNEE 1978												ANNEE 1979													
CEBITS MOYENS JOURNALIERS EN M3/S												CEBITS MOYENS JOURNALIERS EN M3/S													
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.106	0	0	.218	.550	.253	2.19	.229	.149	.241	1.61	.114	1	.131	0	0	C	0	3.70	17.8	27.0	1.44	2.84	2.01	.168
2	.106	0	0	.224	.350	.271	1.67	.218	.131	.213	1.21	.110	2	.122	C	0	C	0	13.0	12.2	10.6	1.35	8.15	7.01	.183
3	.082	0	0	.225	.481	.371	1.41	.208	.131	.198	.744	.102	3	.131	0	0	C	0	6.24	2.85	5.73	1.20	5.27	11.5	.198
4	.082	0	0	.235	.414	.669	1.12	.198	.131	.193	.527	-.086	4	.122	0	0	0	0	5.06	1.57	6.64	.979	2.23	2.63	.188
5	.082	0	0	.262	.306	.621	.872	.198	.122	.188	.393	0	5	.122	0	0	C	C	9.37	1.42	6.13	1.44	1.54	1.63	.173
6	.082	0	0	.415	.433	.528	.743	.188	.122	.188	.306	0	6	.122	0	0	C	0	9.50	2.05	5.70	1.81	1.20	1.48	.168
7	.074	0	0	.310	.343	1.65	.693	.188	.122	.188	.271	0	7	.114	0	0	0	C	3.87	1.57	2.92	1.06	1.54	1.04	.183
8	.074	0	0	.271	.255	4.07	.573	.178	.122	.178	.247	0	8	.114	0	0	C	C	2.04	1.29	2.30	.872	1.94	.794	-.154
9	.067	0	0	.262	.235	1.51	.455	.188	.114	.168	.235	0	9	.114	0	0	0	1.55	11.2	1.09	1.80	.768	9.84	.621	.149
10	-.060	0	.602	.241	.250	4.94	.459	.188	.140	2.15	.213	0	10	.106	0	0	0	1.82	8.34	.872	1.32	.693	7.37	.550	.149
11	0	0	.744	.224	.253	11.4	1.01	.218	.131	.926	.203	0	11	.106	0	C	0	1.36	4.92	.743	1.29	9.98	2.16	.459	.149
12	0	0	.596	.213	.266	3.42	1.22	.218	.131	.597	.188	0	12	.097	0	0	0	.744	10.8	.620	1.09	9.34	6.06	.393	.149
13	0	0	.550	.203	.528	1.60	.718	.208	.122	.356	.183	0	13	.097	0	0	0	6.39	4.55	.718	.979	12.7	4.73	.321	.149
14	0	0	.504	.258	.952	3.16	.550	.198	.122	.262	.173	0	14	.090	0	0	0	17.5	2.85	12.0	.898	13.7	1.81	.282	.140
15	0	0	.459	.562	.845	5.47	.459	.188	.122	.241	.163	0	15	.090	0	C	C	6.16	1.57	25.0	6.82	16.5	1.18	.262	.140
16	0	0	.371	.794	.665	2.17	.371	.188	.106	.218	.158	0	16	.082	0	0	0	1.57	4.77	17.4	12.4	11.4	.872	.253	.131
17	0	0	.319	.653	.599	1.32	.371	.178	.097	.198	.158	0	17	.082	0	0	0	13.5	5.73	7.37	2.57	7.18	.718	.253	.131
18	0	0	.271	.527	.871	1.06	.836	.178	.114	.188	.149	0	18	.074	0	0	0	21.7	2.54	9.37	5.67	2.43	.644	.240	.131
19	.064	0	.253	.356	.718	.845	3.51	.178	.158	.284	.149	0	19	.074	0	0	0	5.54	8.08	3.30	21.1	1.48	1.10	.229	.131
20	.046	0	.240	.293	.573	.794	1.74	.178	.149	.504	.149	0	20	.067	0	0	C	3.37	24.8	21.5	9.27	1.20	12.6	.208	.131
21	0	0	.240	.282	.415	.794	1.06	.178	.131	.596	.140	0	21	.053	0	0	0	1.64	14.7	13.3	3.13	1.01	16.1	.208	.122
22	0	0	.436	.271	.350	.768	.768	.178	.131	.527	.140	0	22	.040	0	0	0	1.09	4.07	26.3	3.42	1.06	4.47	.208	.122
23	0	0	.393	.271	.436	.819	.644	.178	.131	1.01	.131	0	23	.034	0	0	0	.872	5.55	32.0	2.72	20.6	1.64	.188	-.122
24	0	0	.350	.461	.321	.653	.504	.168	.131	4.37	.131	0	24	.027	0	C	C	.653	6.21	26.3	1.94	15.9	1.17	.188	-.122
25	0	0	.319	1.10	.273	.573	.414	.168	.131	4.78	.131	0	25	0	0	0	0	.556	3.27	28.5	1.35	22.5	1.01	.198	.114
26	0	0	.271	1.15	.247	.481	.335	.168	.393	1.36	.122	0	26	0	0	0	0	.414	1.54	25.2	1.17	26.9	2.21	.188	.114
27	0	0	.253	.754	.235	17.2	.306	.168	.350	.898	.122	0	27	0	0	0	0	.335	1.38	12.5	.979	9.86	3.27	.178	.114
28	0	0	.229	.556	.235	12.4	.293	.158	.436	.743	.122	0	28	0	0	0	0	.282	1.17	6.40	.952	5.03	1.45	.178	.106
29	0	=	.218	.353	.218	3.47	.271	.158	.393	.668	.122	.271	29	0	=	0	0	.271	1.01	4.34	12.3	3.61	.926	.168	.106
30	0	=	.208	.273	.213	4.46	.247	.158	.293	1.26	.114	.158	30	0	=	0	0	.720	1.04	3.21	5.33	2.26	.794	.168	.106
31	0	=	.218	=	.224	=	.224	.149	=	1.32	=	.131	31	0	=	0	=	1.74	=	18.7	1.98	=	2.85	=	.097
MOY	.030	0	.260	.413	.421	2.93	.840	.185	.169	.813	.290	.031	MOY	.071	0	0	0	2.91	6.11	10.9	5.53	6.88	3.54	1.13	.139
DEBIT MINI	C.0		DATE IERE OBSERVATION									11 JAN	DEBIT MINI	0.0		DATE IERE OBSERVATION									25 JAN
DEBIT MAXI	17.2		DATE IERE OBSERVATION									27 JUN	DEBIT MAXI	32.0		DATE IERE OBSERVATION									23 JUL
DEBIT MOYEN ANNUEL	0.531 M3/S											DEBIT MOYEN ANNUEL	3.12 M3/S												

GENERALITES :

- Superficie du bassin versant : 97 km²
- Coordonnées de la station : 8°57'N - 1°11'E
- Cote du zéro de l'échelle : 335 (IGN) environ
- Amplitude de l'échelle : -0,50 à 5 m
- Accès : Pont de la route
SOKODE-TCHAMBA
- Date de création : 2.3.1957
- Cadence des relevés : 2 lectures par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 65
- Maximum jaugé : H = 1.00 m
Q = 4.65 m³/s
Date = 12.9.69
- Nombre de tarages utilisés pour la
période 71-79 : 1
- Dernière courbe d'étalonnage utilisée :
. valide du 1.6.69 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
-0,50 A 0,0	0.0	0.0	0.0
0,0 A 0,08	3.1250	0.1250	0.0
0,08 A 0,25	6.5033	0.7297	0.030
0,25 A 0,55	3.1555	2.6467	0.342
0,55 A 0,75	6.0000	4.2000	1.42
0,75 A 0,90	19.048	5.8095	2.50
0,90 A 1,90	3.8000	10.900	3.80
1,90 A 4,00	1.6327	19.143	18.5

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1957	/	*	/	/	/	/
1958
1959
1960
1961
1963	/	*	*	/
1964
1965
1966
1967	.	.	.	/
1968
1969
1970
1971
1972
1973
1974	/	/
1975
1976
1977
1978	.	/	/
1979

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TOGC MONG NA PARATAO
STATION NUMERO 47402203
ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé
+ signifie : les hauteurs lues sont supérieures à la cote maximale fixée pour l'extrapolation de la courbe d'étalonnage.

- COMMENTAIRES :

- Station très stable même en basses eaux. La traduction hauteur-débit est précise en basses et moyennes eaux.
- Nous avons dû extrapoler fortement la courbe d'étalonnage. Les débits supérieurs à 6 m³/s donnés dans ces annales sont assez incertains.
- La cadence des relevés est très insuffisante compte tenu de la rapidité des crues à la station. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire des débits donnés dans ces annales pour l'étude des crues et des modules.

	DEBITS MOYENS JOURNALIERS EN M ³ /S												
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.083	.019	.047	.070	.004	2.34	.105	1.35	1.38	1.53	.286	.168	
2	.083	.014	.047	.133	.007	.314	.083	1.04	1.49	1.44	.286	.148	
3	.070	.012	.019	.039	.004	.190	.793	1.51	1.60	1.24	.286	.130	
4	.070	.008	.019	.034	.058	.139	.341	1.74	2.13	.998	.235	.130	
5	.070	.005	.019	.031	.048	.090	.235	1.46	3.50	1.74	.235	.113	
6	.058	.007	.019	.058	.027	.058	.131	1.27	2.53	1.53	.260	.130	
7	.058	.005	.024	.047	.021	.098	.090	1.29	8.88	2.53	.235	.113	
8	.058	.010	.007	.038	.065	.097	3.95	1.35	3.32	1.40	.211	.130	
9	.047	.038	.038	.043	.064	.076	4.19	1.10	2.76	1.24	.211	.148	
10	.047	.066	.024	.355	.058	.070	3.38	1.04	2.73	1.06	.189	.130	
11	.047	.052	.019	.143	.030	.052	2.92	1.42	2.59	1.08	.189	.130	
12	.047	.436	.019	.052	.030	.039	1.98	1.31	2.47	1.27	.211	.130	
13	.047	.113	.014	.034	.047	.090	1.56	.980	2.40	1.02	.189	.130	
14	.047	.097	.010	.222	.035	.070	.606	1.16	2.16	.902	.235	.113	
15	.038	.043	.014	.075	.016	.064	.468	1.27	2.04	.865	.168	.113	
16	.038	.043	.014	.047	.010	.043	.369	1.53	7.16	.810	.168	.130	
17	.047	.027	.016	.027	.010	.052	.328	5.51	5.87	.828	.168	.113	
18	.058	.034	.003	.016	.012	.098	.341	3.05	2.50	.722	.211	.113	
19	.047	.027	0	.016	.007	.139	1.81	4.92	2.66	.922	.189	.113	
20	.047	.030	0	.012	4.39	.113	2.85	3.05	2.44	.757	.148	.083	
21	.047	.030	.113	.014	1.20	.097	21.4	2.40	2.16	.834	.168	.070	
22	.097	.036	.083	.012	.984	.098	2.96	1.98	1.96	.672	.168	.070	
23	.038	.113	.034	.014	.131	.090	2.01	1.75	2.10	.622	.148	.070	
24	.030	.052	.043	.008	.105	.430	1.74	1.57	1.93	.655	.130	.058	
25	.024	.034	.016	.007	.076	.171	1.55	1.46	1.82	.558	.130	.038	
26	.030	.052	.012	.060	.064	.205	1.33	9.48	1.72	.512	.130	.024	
27	.024	.047	.012	.034	.052	.151	1.04	2.60	1.60	.757	.148	.014	
28	.019	.047	.016	.021	.043	.205	.830	2.01	1.48	.410	.113	.014	
29	.014	=	.080	.010	6.24	.121	.705	1.87	1.85	.396	.168	.024	
30	.024	=	.024	.007	2.34	.113	.761	1.67	1.67	.355	.168	.030	
31	.019	=	.904	=	4.36	=	1.82	1.46	=	.313	=	.030	
MOY	.047	.052	.055	.078	.663	.197	2.02	2.12	2.70	.967	.193	.095	
				DEBIT MINI	0.0	DATE 1ERE OBSERVATION				19 MAR			
				DEBIT MAXI	21.4	DATE 1ERE CERVATION				21 JUL			
				DEBIT MOYEN ANNUEL 0.771 M ³ /S									

STATION NUMERO 47402203													STATION NUMERO 47402203												
ANNEE 1972													ANNEE 1973												
DEBITS MOYENS JOURNALIERS EN M3/S													DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC		
1	.024	.002	0	.024	.016	.344	.777	1.45	32.8	.527	.369	.070	1	.113	0	0	0	0	1.28	.341	.722	2.37	1.55	.606	.047
2	.024	0	0	.002	.042	.782	.559	1.31	10.4	.574	.313	.047	2	.070	0	0	0	0	.171	.548	.688	4.66	5.74	.482	.047
3	.024	.002	0	.962	.041	.520	.425	.847	12.0	.724	.235	.058	3	.047	0	0	0	0	.058	1.26	3.31	3.99	2.10	.424	.038
4	.024	.002	0	.149	.016	.355	.314	.922	3.02	.590	.286	.047	4	.028	0	0	0	0	.028	.507	1.79	2.34	3.57	.396	.058
5	.024	0	0	.023	.014	.794	.235	.689	2.37	.483	.313	.058	5	.024	0	0	0	0	.114	3.08	1.70	2.26	4.76	.369	.047
6	.047	0	0	.146	.031	.469	.190	1.65	2.13	.424	.286	.058	6	.030	0	0	0	0	.039	.706	1.53	1.69	2.07	.313	.038
7	.014	0	0	.133	.027	.962	.894	1.24	2.01	.382	.235	.047	7	.024	0	0	0	0	.014	.425	1.42	3.18	1.74	.286	.030
8	.024	0	0	.064	.028	.341	.301	.998	5.56	.341	.211	.038	8	.019	0	0	0	0	.010	.277	1.29	3.32	1.87	.260	.030
9	.024	.047	0	.034	.761	.192	2.05	.967	2.63	.301	.148	.030	9	.014	0	0	0	0	.005	.103	1.06	1.65	1.98	.260	.024
10	.019	.004	0	.109	.065	.085	.742	1.45	2.68	.355	.130	.024	10	.015	0	0	0	0	.003	.369	1.87	2.23	1.70	.235	.030
11	.014	.002	0	.077	.038	.159	1.08	1.46	2.31	1.19	.189	.030	11	.014	0	0	0	0	.075	3.21	1.02	5.37	1.40	.211	.038
12	.019	.002	0	.030	.021	.090	.483	1.61	2.31	.574	.148	.019	12	.010	0	0	0	0	.136	3.14	.978	2.50	1.27	.211	.038
13	.014	0	0	.021	.048	.064	.609	1.06	1.90	.606	.168	.014	13	.007	0	0	0	0	.058	3.01	.865	2.59	1.20	.189	.038
14	.010	0	0	.016	.044	.200	2.37	.960	1.90	.512	.148	.019	14	.004	0	0	0	0	.190	.984	.775	6.16	1.14	.168	.030
15	.007	0	0	.015	.553	.231	1.29	.775	1.57	.483	.168	.030	15	.004	0	0	0	0	.106	.474	.705	2.44	1.06	.168	.030
16	.014	0	.030	.012	.342	1.45	3.21	.960	1.51	2.86	.130	.038	16	.007	0	0	0	0	.019	.151	.638	2.28	.978	.148	.024
17	.010	0	.016	.010	.135	.397	1.44	.740	1.38	.758	.148	.030	17	.002	0	0	0	0	.007	.453	3.02	2.07	.902	.148	.019
18	.010	0	.227	.013	2.81	.328	1.12	.655	1.27	.606	.113	.030	18	.002	0	0	0	.184	.002	.410	1.53	1.98	.828	.113	.019
19	.010	0	.039	.024	1.01	.235	.921	.575	2.39	.706	.097	.024	19	.002	0	0	0	.011	.237	.382	.865	1.82	.774	.113	.019
20	.014	0	.016	.694	.288	.458	.922	.829	1.33	2.18	.097	.030	20	.002	0	0	0	0	.085	.355	1.96	1.51	.722	.113	.019
21	.010	0	.008	.180	.162	1.08	.722	.559	1.06	1.08	.113	.030	21	.002	0	0	0	0	.075	.342	.959	1.56	1.02	.097	.014
22	.010	0	.010	.200	.675	.397	.655	4.73	1.04	.706	.083	.030	22	.002	0	0	0	0	.098	.396	.883	1.53	.757	.083	.014
23	.007	0	.010	.566	.286	1.13	.723	14.0	.998	.705	.113	.024	23	.002	0	0	0	0	.064	.369	.775	1.70	.688	.083	.014
24	.004	0	.024	.080	.149	.779	.672	2.39	.883	.622	.097	.030	24	.002	0	0	.004	.011	.048	.382	2.35	1.61	.638	.083	.014
25	.010	0	.012	.034	.114	.397	.673	1.38	.847	.606	.083	.030	25	.002	0	0	.004	.005	.043	.355	2.89	1.31	.639	.070	.014
26	.002	0	.005	.058	.168	.200	.865	1.75	.811	.574	.097	.038	26	0	0	0	.002	.004	1.45	.314	1.82	1.14	.622	.070	.010
27	.004	0	.003	.052	.131	.227	.888	1.16	.792	.527	.097	.047	27	0	0	0	0	.002	1.44	.273	2.88	.978	.558	.058	.014
28	.002	0	.002	.023	.838	.301	2.20	.922	.740	.558	.083	.038	28	0	0	0	0	.301	.286	.328	1.38	1.24	.497	.047	.014
29	.002	0	.002	.021	1.82	.212	1.35	1.40	.705	.497	.097	.038	29	0	=	0	0	.024	.200	1.12	1.22	.978	.468	.047	.007
30	.002	=	.002	.017	.592	.131	.999	.904	.639	.468	.097	.038	30	0	=	0	0	.007	.139	.978	1.12	.902	.453	.047	.007
31	.002	=	.103	=	.383	=	.922	1.02	=	.382	=	.313	31	0	=	0	=	.003	=	.902	.998	=	.988	=	.007
MOY	.014	.002	.017	.131	.377	.444	.987	1.65	3.40	.707	.163	.045	MOY	.015	0	0	.000	.018	.216	.837	1.45	2.31	1.44	.197	.025
DEBIT MINI			0.0	DATE 1ERE DESERVATION			2 FEV						DEBIT MINI			0.0	DATE 1ERE OBSERVATION			26 JAN					
DEBIT MAXI			32.8	DATE 1ERE DESERVATION			1 SEP						DEBIT MAXI			6.16	DATE 1ERE OBSERVATION			14 SEP					
DEBIT MOYEN ANNUEL 0.661 M3/S													DEBIT MOYEN ANNUEL 0.546 M3/S												

TCGO	MONO NA PARATAO											
	STATION NUMERO 47402203											
	ANNEE 1974											
CEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.007	*	0	0	.012	.070	3.39	2.60	2.09	.671	.130	
2	.007	*	0	.014	0	-.005	.064	5.28	16.4	1.75	.638	
3	.004	*	0	.007	-.009	.004	-.043	2.69	3.09	2.31	.574	
4	.004	*	0	.004	0	.002	2.40	2.16	2.37	1.90	.543	
5	.004	*	0	.004	0	3.86	-.672	1.82	3.52	1.90	-.482	
6	-.002	*	0	-.002	0	.341	.474	1.82	15.0	1.38	.424	
7	-.002	*	0	0	.273	.327	3.98	1.96	4.13	1.33	.396	
8	-.002	*	0	0	.260	-.223	-.592	2.21	3.82	1.20	.424	
9	0	*	0	0	.064	-.149	-.579	1.44	3.23	1.16	-.369	
10	*	*	0	0	.036	-.113	1.51	1.35	3.05	1.86	.396	
11	*	*	0	0	-.024	-.097	-.544	1.20	2.16	1.71	.342	
12	*	*	0	0	-.030	-.083	3.13	1.10	3.52	1.33	-.286	
13	*	*	0	.038	.007	.070	4.26	1.20	3.05	1.27	.313	
14	*	*	0	.030	.001	.070	5.28	2.75	3.52	1.18	-.286	
15	*	0	0	.019	0	.159	1.68	14.8	2.80	1.06	-.260	
16	*	0	0	.014	0	.140	.865	4.51	7.36	1.02	.235	
17	*	0	0	.010	0	-.624	-.758	2.28	2.40	-.978	-.260	
18	*	0	0	.008	0	.237	11.8	1.82	2.84	-.960	.235	
19	*	0	0	-.008	-.171	-.139	1.66	1.90	4.47	.810	.235	
20	*	0	0	-.003	.235	.090	1.95	1.46	3.30	.775	-.211	
21	*	0	0	.002	.185	-.076	8.82	1.38	2.43	-.740	-.235	
22	*	0	0	-.001	-.136	.070	6.11	1.66	2.16	.847	-.211	
23	*	0	0	0	.054	.064	5.09	1.29	2.01	.828	.211	
24	*	0	0	0	-.016	-.143	3.07	5.97	1.96	.792	-.168	
25	*	0	0	0	.012	.070	2.37	2.33	2.85	-.757	-.189	
26	*	0	0	0	.005	.052	2.17	1.60	2.16	.828	-.168	
27	*	0	0	0	-.002	5.88	2.20	6.26	1.96	.775	.168	
28	*	0	0	0	-.001	-.436	5.95	3.27	1.93	-.688	.148	
29	*	=	0	0	0	.114	4.07	2.43	2.13	-.638	.148	
30	*	=	0	0	-.031	-.064	2.40	7.97	2.89	-.590	-.148	
31	*	=	0	=	.039	=	2.66	3.98	=	.757	=	
MOY	*	*	0	.005	.051	.457	2.81	3.08	3.84	1.17	.312	
DEBIT MINI			0.0	DATE IERE OBSERVATION			9 JAN					
DEBIT MAXI			16.4	DATE IERE OBSERVATION			2 SEP					

TOGC	MCNC NA PARATAO											
	STATION NUMERO 47402203											
	ANNEE 1975											
CEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.047	.014	.014	.162	.021	.027	.158	5.22	2.93	2.95	.543	
2	.047	.010	.010	.021	.019	.490	.121	1.59	2.67	2.22	.482	
3	-.038	.007	-.010	.014	.058	.143	.114	1.83	1.58	2.04	.424	
4	.030	.004	.007	.010	.048	.039	.217	1.31	1.22	1.93	.369	
5	-.030	.007	.010	.007	.069	.085	6.95	2.67	.884	1.82	.482	
6	.024	.014	.010	.004	.076	.039	.541	2.04	3.40	1.69	.424	
7	.030	.010	.007	.012	.670	.034	1.03	1.38	2.43	1.57	.369	
8	.024	.019	.004	.011	.159	.331	.369	1.16	2.01	1.48	.313	
9	.024	.024	.004	.016	.048	.265	5.98	2.64	1.67	1.40	.286	
10	-.024	.019	.007	.014	.321	.894	1.17	1.72	2.83	2.73	.260	
11	.024	.019	.004	.014	.205	.356	.529	1.51	2.64	2.44	.235	
12	.019	.019	.002	.016	.265	.080	6.59	1.35	1.99	1.65	.211	
13	.024	.014	.002	.178	.058	1.02	5.56	1.24	1.53	1.51	.211	
14	.024	.010	.004	.644	1.53	1.69	1.62	1.10	2.70	1.48	.189	
15	.030	.010	.010	.097	.531	1.66	1.38	2.79	2.28	1.40	.211	
16	.030	.010	.014	.098	.262	.802	1.35	1.75	2.04	1.31	.211	
17	.030	.014	.014	.100	.740	.231	1.06	1.82	2.13	1.12	.211	
18	.030	.014	.007	.021	.328	.397	1.04	2.26	2.07	1.04	.211	
19	.030	.019	.014	.014	.180	.273	1.24	1.49	1.93	.959	.211	
20	.030	.019	.014	.005	.083	.200	1.06	2.23	1.87	1.12	.189	
21	.024	.010	.010	.025	.059	.255	.829	2.34	1.82	1.04	.189	
22	.030	.014	.010	.568	.090	.273	4.70	1.82	1.67	.959	.189	
23	.024	.002	.014	.131	.490	.439	1.27	1.42	1.82	.883	.189	
24	.019	.002	.010	.039	.180	.397	1.01	1.75	1.51	.910	.189	
25	.019	.002	.007	.021	.077	.286	5.13	1.44	1.29	.739	.211	
26	.019	.014	.014	.026	.052	.200	1.53	2.10	4.96	.671	.211	
27	.019	.014	.010	.034	.027	.190	1.55	1.72	1.63	.774	.211	
28	.014	.010	.019	.027	.034	.139	2.15	1.42	6.08	.705	.211	
29	.019	=	.014	.052	.058	.114	1.33	1.16	2.04	.638	.235	
30	.014	=	.010	.027	.034	.265	1.75	1.06	9.65	.574	.211	
31	.010	=	.010	=	.058	=	1.65	.978	=	.512	=	
MOY	.026	.012	.009	.080	.223	.387	2.10	1.82	2.51	1.36	.270	
DEBIT MINI			0.002	DATE IERE OBSERVATION			23 FEV					
DEBIT MAXI			9.65	DATE IERE OBSERVATION			30 SEP					
DEBIT MOYEN ANNUEL			0.747	M3/S								

TOGC MCNO NA PARATAO
STATION NUMERO 47402203
ANNEE 1976

CEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.083	.024	.019	.007	.121	1.26	1.20	4.19	1.25	4.66	3.68	.543
2	.083	.024	.014	.007	.090	.689	.904	1.65	.886	2.25	2.34	.512
3	.070	.019	.014	.030	.076	.453	.590	.724	.639	1.98	2.04	.512
4	.083	.019	.010	.019	.076	.355	.453	4.61	.558	2.10	1.87	.482
5	.130	.024	.014	.019	.064	.300	1.02	4.50	.639	1.77	1.77	.453
6	.148	.024	.014	.014	.052	.705	.708	2.17	1.36	1.53	1.77	.453
7	.113	.030	.010	.014	.180	.543	.512	1.16	.884	1.44	2.70	.424
8	.113	.047	.010	.019	.227	.631	.511	.958	.722	1.33	2.40	.396
9	.097	.038	.007	.019	.785	.606	.574	2.54	.775	1.18	2.25	.369
10	.083	.030	.024	.024	.377	.426	.483	1.24	.688	1.04	2.01	.369
11	.083	.024	.014	.019	.255	.286	.560	.979	.802	.960	1.79	.342
12	.097	.024	.336	.014	.105	4.35	.543	1.37	.775	1.56	1.60	.313
13	.083	.019	.168	.097	.058	1.14	.468	1.51	.639	1.60	1.44	.369
14	.070	.014	.113	.038	.724	1.91	.439	1.14	.558	1.14	1.31	.342
15	.070	.014	.097	.047	.498	1.37	.688	.940	3.13	1.52	1.22	.313
16	.058	.030	.083	.113	.365	.904	.558	.775	1.51	20.2	1.27	.313
17	.058	.024	.070	.083	.169	6.84	.497	2.20	1.24	3.12	1.20	.286
18	.070	.024	.070	.070	.105	2.67	.622	1.46	1.51	8.20	1.12	.286
19	.070	.070	.058	.058	.076	2.10	1.08	.999	1.08	3.58	1.04	.260
20	.058	.058	.038	.047	.058	1.49	.705	.775	.740	3.05	.959	.235
21	.058	.058	.030	.038	.129	1.06	.574	1.51	2.61	4.08	1.20	.235
22	.047	.047	.024	.211	.131	2.07	4.64	1.42	.979	3.47	1.04	.211
23	.047	.038	.019	.113	.090	2.08	1.01	1.18	1.02	3.09	.959	.211
24	.047	.038	.014	.083	.070	2.01	.661	.903	1.06	2.69	.846	.189
25	.038	.030	.010	.058	.058	1.58	.688	.722	8.21	6.42	.739	.189
26	.030	.047	.010	.038	.065	1.35	.574	.655	1.35	3.43	.671	.168
27	.024	.030	.038	.211	.070	.792	1.42	.775	1.08	2.77	.574	.189
28	.024	.030	.030	.130	.064	1.18	.810	.671	2.97	2.37	.671	.189
29	.030	.024	.024	.057	.098	1.05	.639	1.53	1.88	2.99	.606	.168
30	.024	=	.019	.070	.070	.560	.527	1.02	1.40	3.18	.574	.168
31	.024	=	.014	=	.058	=	.468	.723	=	5.56	=	.189
MOY	.068	.032	.048	.060	.173	1.43	.823	1.52	1.43	3.36	1.46	.312

DEBIT MINI 0.007 DATE 1ERE OBSERVATION 9 MAR

DEBIT MAXI 20.2 DATE 1ERE OBSERVATION 16 OCT

DEBIT MOYEN ANNUEL 0.895 M3/S

TOGO MCNO NA PARATAO
STATION NUMERO 47402203
ANNEE 1977

CEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.158	.083	.010	.024	.003	.342	.077	.301	.758	1.46	.342	.038
2	.148	.070	.010	.014	.002	.085	.034	.190	.575	2.34	.342	.038
3	.130	.070	.007	.007	.002	1.05	.449	.158	14.4	1.75	.313	.030
4	.121	.058	.007	.004	.105	.330	.283	.121	2.82	1.46	.286	.030
5	.515	.058	.004	.004	.064	.109	.083	.105	2.10	1.73	.211	.034
6	.301	.047	.004	.002	.047	.149	.064	.121	1.72	1.44	.189	.030
7	.189	.047	.004	.002	.034	.105	.043	.097	1.49	1.93	.168	.030
8	.168	.038	.004	.004	.024	.076	.034	.114	8.23	1.42	.148	.027
9	.148	.047	.004	.002	.019	.064	.038	.286	4.66	1.20	.148	.024
10	.139	.047	.004	.002	.014	.043	.043	.139	30.8	1.31	.130	.021
11	.130	.047	.004	.002	.012	.064	.034	.105	2.93	3.05	.130	.019
12	.113	.038	.002	.002	.008	.043	.027	6.74	7.76	1.75	.113	.369
13	.105	.038	.002	.002	.005	.027	.021	1.03	3.73	1.42	.113	.190
14	.190	.038	.002	.002	.037	.019	.019	.528	5.78	1.29	.097	.114
15	.139	.030	.002	.002	.052	.026	.016	.397	3.02	1.18	.097	.076
16	.121	.030	.002	.002	.034	.027	.091	.575	2.53	1.14	.083	.043
17	.113	.030	.002	.002	.021	.021	.090	.355	2.28	1.02	.083	.038
18	.097	.030	.002	.002	.010	.014	.288	.830	2.07	.959	.083	.030
19	.090	.024	.002	.031	.005	.010	.190	.499	1.87	.921	.070	.130
20	.083	.024	.002	.012	.002	.080	.139	.314	1.93	.865	.070	.070
21	.369	.024	.002	.005	.083	.034	.105	.730	2.13	.664	.070	.047
22	.260	.024	.002	.058	.039	.034	.490	.426	1.79	.453	.058	.038
23	.200	.024	.007	.027	.016	.024	.304	.286	1.60	.410	.058	.024
24	.158	.019	.007	.016	.012	.014	.500	.857	1.42	.456	.058	.024
25	.130	.019	.007	.012	.029	.136	.454	.560	1.82	.483	.058	.047
26	.113	.014	.004	.008	.021	.241	.499	6.21	1.51	.439	.047	.030
27	.105	.014	.004	.004	.024	.070	.182	1.66	1.35	.410	.047	.024
28	.090	.010	.004	.017	.021	.043	.065	1.24	1.24	.382	.047	.019
29	.083	=	.002	.016	.012	.027	2.85	3.94	1.62	.369	.038	.019
30	.083	=	.002	.008	.017	.444	.456	1.48	1.91	.342	.038	.014
31	.097	=	.047	=	.012	=	.825	.960	=	.328	=	.010
MOY	.158	.037	.005	.010	.026	.125	.284	1.01	3.93	1.11	.124	.054

DEBIT MINI 0.002 DATE 1ERE OBSERVATION 12 MAR

DEBIT MAXI 30.8 DATE 1ERE OBSERVATION 10 SEP

DEBIT MOYEN ANNUEL 0.572 M3/S

ANNEE 1978												ANNEE 1979																			
TOGC				MONC				NA				PARATAO				TOGO				MONC				NA				PARATAO			
STATION NUMERO 47402203												STATION NUMERO 47402203																			
CEBITS MOYENS JOURNALIERS EN M3/S												CEBITS MOYENS JOURNALIERS EN M3/S																			
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AGU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC								
1	.007	.007	0	.026	.585	.021	.255	1.10	3.43	2.22	1.50	.189	1	.070	.014	.002	.002	.014	.027	.904	3.25	1.38	2.76	.742	.235						
2	.007	.004	.002	.012	.114	.016	.131	1.02	2.34	2.01	.904	.168	2	.058	.014	.002	2.37	.008	.075	.624	2.10	10.9	4.92	.792	.211						
3	.004	.002	.002	.010	.091	.019	5.74	.940	2.50	1.79	1.06	.148	3	.058	.014	.002	1.88	.004	.554	.397	1.55	3.80	4.24	.722	.211						
4	.004	.002	0	.007	.070	.016	2.32	.828	2.22	1.67	.978	.148	4	.114	.014	.002	1.23	.003	.212	.300	2.02	6.33	3.43	.655	.211						
5	.007	.002	.003	.004	.039	.014	1.44	.902	15.6	1.75	.902	.130	5	.090	.014	.002	.793	.002	.342	.623	5.60	4.41	2.77	.590	.189						
6	.002	.002	.689	.003	.027	.014	1.94	.828	5.94	1.42	.865	.130	6	.070	.010	.002	.459	.013	.149	.439	2.19	27.8	3.36	.757	.189						
7	.002	.002	.224	.002	.024	.019	2.22	.868	3.03	1.31	.792	.113	7	.083	.010	.002	.301	.027	.151	.328	2.58	5.54	3.23	.688	.369						
8	.004	0	.677	.002	.019	.014	1.56	1.29	2.50	1.22	.757	.113	8	.070	.010	.002	.150	.016	.131	1.51	1.96	4.13	2.84	.622	.273						
9	.002	*	.031	.012	.035	.012	1.31	.998	3.47	1.40	.722	.113	9	.070	.010	.002	.098	.012	.083	.673	1.99	3.58	3.14	1.04	.223						
10	.002	*	.105	.008	1.56	.080	1.14	.741	2.63	1.33	.705	.097	10	.090	.007	.002	.039	.008	.052	.468	1.65	3.18	2.63	1.38	.200						
11	.007	*	.058	.004	.231	.034	1.29	1.14	2.02	1.18	.671	.097	11	.076	.007	.002	.016	.005	1.10	.904	1.98	2.88	2.34	1.16	.178						
12	.007	*	.034	.004	.098	.027	1.58	2.21	2.85	1.08	.638	.097	12	.070	.007	.002	.005	.002	.690	.689	2.93	2.50	3.14	.959	.168						
13	.004	*	.019	.010	.397	.039	1.42	1.04	2.73	.940	.606	.083	13	.070	.007	.002	.002	.007	.453	.425	2.04	3.33	2.50	.810	.148						
14	.004	*	.070	.589	.255	.027	1.29	2.57	2.22	.902	.558	.083	14	.058	.004	.002	.002	.007	.341	2.96	1.60	3.69	2.19	.688	.148						
15	.002	*	.043	.380	.235	1.47	1.06	1.60	2.84	.846	.482	*	15	.058	.004	.002	.002	.002	.235	1.25	1.48	3.98	1.87	.622	.130						
16	.002	*	.027	.027	.149	.307	.978	7.04	3.53	.810	.468	.083	16	.047	.004	.002	.002	.006	6.16	.903	1.62	3.14	1.77	.558	.130						
17	.002	*	.016	.016	.113	2.06	.883	2.05	3.42	1.27	.453	.083	17	.047	.004	.002	.002	1.97	15.6	.672	1.54	2.60	1.62	.497	.130						
18	.002	*	.027	.010	.083	.596	1.36	2.40	2.80	.921	.424	.070	18	.047	.004	.002	.002	.908	1.05	1.19	2.77	2.22	1.53	.439	.113						
19	.002	*	.021	.007	.078	.241	.980	1.51	4.79	.979	.369	.070	19	.038	.004	.002	.002	.465	4.64	.775	2.60	4.30	2.25	.382	.113						
20	.002	*	.014	.005	.058	.178	.528	2.02	2.93	.847	.369	.070	20	.030	.002	.002	.002	.182	.706	.607	2.16	3.32	2.47	.328	.097						
21	.014	*	.014	.004	.347	.596	.562	1.70	2.07	1.33	.342	.070	21	.024	.002	.019	.002	.058	.527	1.44	1.85	2.56	2.04	.286	.097						
22	.010	*	.010	.008	.038	.262	23.8	1.51	1.74	.921	.313	.070	22	.019	.002	.014	.002	.034	23.3	.940	2.25	2.22	1.72	.260	.097						
23	.007	*	.121	.449	.030	.123	6.74	1.33	1.55	.775	.286	.070	23	.019	.002	.007	.002	.027	1.40	6.42	1.93	1.93	1.57	.470	.083						
24	.004	*	.091	.444	.024	.190	2.50	1.22	1.40	.672	.286	.070	24	.019	.002	.002	.002	.019	1.02	4.73	2.24	2.60	1.44	.606	.083						
25	.004	*	.034	.330	.024	.131	1.96	1.18	3.14	.722	.260	.070	25	.019	.002	.002	.002	.014	4.46	2.37	2.43	2.22	1.35	.512	.083						
26	.002	*	.027	.054	.019	.065	2.68	1.98	2.69	.688	.235	.070	26	.019	.002	.002	.002	.010	1.18	1.37	7.59	1.90	1.22	.439	.070						
27	.002	*	.021	.027	.019	.034	1.93	5.81	2.50	1.27	.211	.058	27	.019	.002	.002	.002	.007	.706	6.72	3.23	2.51	1.10	.382	.070						
28	.010	*	.019	.119	.024	.347	1.74	2.01	3.58	1.79	.211	.113	28	.019	.002	.002	.002	.005	.868	1.20	2.80	2.60	1.02	.328	.070						
29	.007	=	.014	.052	.019	.149	1.49	1.46	2.76	4.76	.189	.097	29	.019	=	.002	.002	.077	.622	.921	2.50	7.23	.902	.273	.058						
30	.004	=	.010	.027	.024	.617	1.33	1.65	2.47	1.64	.189	.070	30	.019	=	.002	.002	.027	.512	.235	2.22	3.38	.828	.247	.058						
31	.002	=	.008	=	.019	=	1.18	2.85	=	1.69	=	.058	31	.019	=	.002	=	.019	=	5.60	1.87	=	.722	=	.058						
MOY	.004	*	.059	.078	.146	.257	2.43	1.80	3.25	1.36	.558	*	MOY	.049	.006	.003	.248	.128	2.24	1.57	2.48	4.41	2.22	.608	.145						
DEBIT MINI				0.0	DATE 1ERE OBSERVATION							8 FEV				DEBIT MINI				0.002	DATE 1ERE OBSERVATION							20 FEV			
DEBIT MAXI				23.8	DATE 1ERE OBSERVATION							22 JUL				DEBIT MAXI				27.8	DATE 1ERE OBSERVATION							6 SEP			
												DEBIT MOYEN ANNEE 1.18 M3/S																			

GENERALITES :

- Superficie du bassin versant : 4 035 km²
- Coordonnées de la station : 7°55'N - 1°22'E
- Cote du zéro de l'échelle : 172 (IGN) environ
- Amplitude de l'échelle : 0 à 7 m
- Accès : -Piste ELAVAGNON-SIRKA
-Accès difficile en hivernage
- Date de création : 15.12.56
- Cadence des relevés : 2 lectures par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 20
- Maximum jaugé : H = 4.07 - 4.10 m
Q = 130 m³/s
Date = 10.9.64
- Nombre de tarages utilisés pour la période 71-79 : 2
- Dernière courbe d'étalonnage utilisée :
. valide du 2.7.71 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,13	0.0	0.0	0.0
0,13 A 0,25	0.8333	0.3167	0.0
0,25 A 0,37	7.9167	1.3833	0.050
0,37 A 0,52	6.4000	3.2400	0.330
0,52 A 0,80	16.429	3.7571	0.960
0,80 A 1,10	18.500	16.450	3.30
1,10 A 1,70	2.5000	25.000	9.90
1,70 A 2,90	7.3959	26.792	25.8
2,90 A 4,10	5.9376	44.875	68.6
4,10 A 5,30	6.2500	60.000	131
5,30 A 7,00	5.7932	74.858	212

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1957	/	.	.	.	/
1958
1959
1960	*	.	/
1961
1962
1963
1964	/
1965
1966
1967
1968
1969
1970
1971	/
1972
1973	.	.	.	/
1974	/	/	.	/	.	.
1975
1976	/
1977
1978
1979	/	.	.	/

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TJGC MONC OGOU SIRKA
 STATION NUMERIC 47402505

ANNEE 1971

- SYMBOLES UTILISES :

- * signifie : pas de relevé

. + signifie : les hauteurs lues sont supérieures
 à la cote maximale fixée pour
 l'extrapolation de la courbe
 d'étalonnage.

- COMMENTAIRES :

Cadence des relevés insuffisante.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	*	0	0	0	0	.224	.506	15.8	38.9	23.4	1.04	.035
2	*	0	0	0	0	.185	.426	13.1	43.9	26.5	.909	.031
3	*	0	0	0	0	.185	.527	18.6	44.8	20.8	.999	.031
4	*	0	0	0	0	.224	.790	17.0	37.8	17.5	.859	.031
5	*	0	0	0	0	.210	.466	18.4	45.8	18.3	.764	.031
6	*	0	0	0	0	.210	.388	48.0	60.1	21.9	.673	.022
7	*	0	0	0	0	.185	.352	36.4	62.7	17.9	.547	.018
8	*	0	0	0	0	.185	.335	35.9	83.8	17.9	.508	.014
9	*	0	0	0	.118	.161	.566	25.0	85.8	15.3	.433	.014
10	*	0	0	0	.047	.161	1.87	24.0	93.8	13.6	.363	.010
11	*	0	0	0	.025	.150	1.20	23.9	88.5	19.5	.330	.010
12	*	0	0	0	.013	.084	1.81	48.0	78.3	24.3	.298	.010
13	*	0	0	0	.004	.043	1.17	61.7	61.1	18.6	.239	.010
14	*	0	0	0	0	.028	.981	54.5	61.0	15.0	.211	.010
15	*	0	0	0	0	.016	1.50	48.6	55.3	12.6	.186	.014
16	*	0	0	0	0	.024	2.29	47.3	58.4	10.5	.161	.014
17	0	0	0	0	0	.048	2.46	44.9	61.7	8.44	.139	.014
18	0	0	0	0	.028	.032	2.70	44.5	73.6	6.87	.118	.010
19	0	0	0	0	.035	.043	2.19	47.2	67.3	17.6	.099	.010
20	0	0	0	0	.019	.043	6.72	63.9	55.6	14.8	.099	.010
21	0	0	0	0	.197	.035	125.	100.	44.0	9.75	.081	.010
22	0	0	0	0	.224	.035	27.8	86.5	42.9	7.57	.065	.007
23	0	0	0	0	.210	.028	17.5	65.5	56.8	6.52	.065	.003
24	0	0	0	0	.185	.022	12.9	48.2	44.2	5.24	.050	0
25	0	0	0	0	.173	.011	12.2	49.9	42.4	3.99	.050	0
26	0	0	0	0	.161	.069	10.8	51.0	51.7	3.05	.045	0
27	0	0	0	0	.161	1.56	8.96	59.0	37.1	2.58	.045	0
28	0	0	0	0	.128	.848	7.94	87.3	29.6	2.17	.040	0
29	0	=	0	0	.128	.686	7.94	69.4	26.6	1.77	.040	0
30	0	=	0	0	.084	.549	16.7	49.4	25.4	1.61	.035	0
31	0	=	0	=	.043	=	25.0	41.2	=	1.43	=	0
MCV	*	0	0	0	.064	.209	5.74	46.6	55.3	12.5	.316	.012
DEBIT MINI					C.C			DATE 1ERE OBSERVATION		17 JAN		
DEBIT MAXI					125.			DATE 1ERE OBSERVATION		21 JUL		

TOGO MONC OGOU SIRKA
 STATION NUMERO 47402505
 ANNEE 1972

DEBITS MOYENS JOURNALIERS EN M3/S

JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	0	0	0	.239	5.76	.684	2.47	48.3	2.12	2.32	.018	
2	0	0	0	.186	45.6	.696	2.53	75.1	1.81	1.98	.014	
3	0	0	0	.139	17.9	.696	2.08	38.9	1.61	1.57	.014	
4	0	0	0	.099	11.0	.528	1.77	28.7	1.94	1.31	.014	
5	0	0	0	.081	8.57	.451	1.61	25.9	1.65	1.09	.014	
6	0	0	0	.350	8.97	.380	1.40	24.5	1.40	1.06	.010	
7	0	0	0	.045	6.52	.314	1.31	21.1	1.22	.910	.010	
8	0	0	0	.040	5.14	.267	1.19	24.3	1.06	.787	.010	
9	0	0	0	.035	4.26	.239	1.16	58.6	.960	.631	.010	
10	0	0	0	.035	11.7	.225	1.06	36.2	.835	.528	.010	
11	0	0	0	.031	8.24	12.3	.999	29.3	1.00	.433	.007	
12	0	0	0	.026	4.18	9.49	1.04	23.9	1.04	.397	.007	
13	0	0	0	.022	3.32	14.6	1.22	19.9	.910	.347	.007	
14	0	0	0	.018	10.3	6.66	1.20	17.2	2.29	.253	.003	
15	0	0	0	.018	4.87	6.52	.836	14.7	1.65	.198	0	
16	0	0	0	.014	7.11	5.44	.652	15.1	2.28	.174	0	
17	0	0	1.46	.012	8.60	7.62	.509	15.0	3.72	.118	0	
18	0	0	0	.679	.008	7.33	17.4	.415	13.8	4.12	.081	
19	0	0	.016	.381	.397	4.56	9.86	.330	14.9	25.5	.050	
20	0	0	.002	.283	.315	2.87	5.86	12.6	17.6	54.9	.031	
21	0	0	0	.225	.150	2.32	4.26	8.48	12.7	17.5	.040	
22	0	0	0	.253	.128	1.86	5.97	16.5	11.0	12.7	.050	
23	0	0	0	.198	.315	6.70	4.74	11.8	8.08	12.6	.045	
24	0	0	0	.128	11.0	5.16	3.47	5.88	6.86	11.8	.040	
25	0	0	3.60	3.24	2.70	2.87	4.56	6.76	8.06	.035	0	
26	0	0	2.57	6.24	2.12	6.26	13.7	4.84	7.69	.035	0	
27	0	0	1.02	1.99	1.65	7.00	19.8	6.75	7.10	.031	0	
28	0	0	0	.572	1.28	1.31	3.99	16.2	4.84	5.98	.026	
29	0	0	0	.363	19.6	1.11	3.38	15.7	3.17	4.26	.022	
30	0	=	0	.259	15.2	.935	2.93	31.0	2.53	3.47	.022	
31	0	=	0	=	8.27	=	2.64	17.5	=	2.87	=	
MOY	0	0	.001	.401	2.23	7.09	4.77	6.37	21.0	6.64	.487	.005

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 1 JAN
 DEBIT MAXI 75.1 DATE 1ERE OBSERVATION 2 SEP
 DEBIT MOYEN ANNUEL 4.07 M3/S

TOGO MONC OGOU SIRKA
 STATION NUMERO 47402505
 ANNEE 1973

DEBITS MOYENS JOURNALIERS EN M3/S

JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	0	0	0	0	0	.018	21.9	14.6	31.4	7.45	.018
2	0	0	0	0	0	.031	38.7	17.8	28.0	6.00	.018
3	0	0	0	0	0	6.47	21.1	28.8	49.2	3.99	.014
4	0	0	0	0	0	5.75	48.3	60.5	54.7	3.17	.014
5	0	0	0	0	0	2.10	35.6	31.7	70.2	2.58	.014
6	0	0	0	0	0	1.14	38.5	21.9	112.	2.08	.010
7	0	0	0	0	0	1.12	59.2	19.2	66.4	1.73	.010
8	0	0	0	0	0	.789	58.4	18.6	44.2	1.50	.010
9	0	0	0	0	.010	.719	38.7	17.6	57.0	1.27	.007
10	0	0	0	0	.018	.528	32.7	16.0	62.1	1.09	.007
11	0	0	0	0	.014	.609	28.8	21.3	53.6	.859	.007
12	0	0	0	0	.018	.613	28.4	41.1	40.4	.764	.007
13	0	0	0	0	.014	3.85	22.5	67.8	30.5	.652	.003
14	0	0	0	0	.007	2.03	18.3	98.0	25.4	.528	.003
15	0	0	0	0	.003	1.20	16.6	90.1	22.2	.415	.003
16	0	0	0	0	.018	.836	18.2	55.7	18.6	.330	0
17	0	0	0	0	.014	.589	23.9	44.6	15.8	.283	0
18	0	0	0	0	.010	.434	27.0	38.4	13.8	.198	0
19	0	0	0	0	.022	.299	54.7	30.4	11.7	.161	0
20	0	0	0	0	.018	.225	63.2	27.3	10.2	.128	0
21	0	0	0	*	.010	.174	87.0	24.4	9.36	.108	0
22	0	0	0	*	.022	.128	42.1	24.3	8.19	.090	0
23	0	0	0	*	.018	.108	38.7	23.9	7.22	.073	0
24	0	0	0	0	.014	.090	28.3	35.2	8.09	.047	0
25	0	0	0	*	.010	3.83	35.4	45.8	8.83	.042	0
26	0	0	0	*	.010	2.23	27.6	33.6	16.7	.040	0
27	0	0	0	*	.007	1.24	22.8	28.2	13.7	.035	0
28	0	0	0	0	.014	2.99	26.5	22.5	8.58	.033	0
29	0	=	0	0	.018	7.00	21.5	25.4	6.76	.028	0
30	0	=	0	0	.018	7.05	17.8	28.6	7.82	.024	0
31	0	=	0	=	=	2.69	16.3	=	8.96	=	0
MOY	0	0	0	*	.010	1.83	34.1	35.1	29.7	1.19	.005

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 1 JAN
 DEBIT MAXI 112. DATE 1ERE OBSERVATION 6 OCT

TOGO M0NC OGOU SIRKA
 STATION NUMERO 47402505
 ANNEE 1974

	CEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	64.8	56.5	57.0	6.53	.239
2	0	0	0	0	0	0	0	91.1	46.2	56.2	6.19	.239
3	0	0	0	0	0	0	0	110.	47.3	50.1	6.75	.211
4	0	0	0	0	0	0	0	99.9	82.6	45.1	5.97	.186
5	0	0	0	0	0	0	0	68.6	63.2	55.6	4.84	.161
6	0	0	0	0	0	0	0	71.8	160.	46.7	3.56	.161
7	0	0	0	0	0	0	1.55	56.8	230.	43.1	2.93	.139
8	0	0	0	0	0	0	.146	44.5	179.	36.4	2.48	.118
9	0	0	0	0	0	0	-.035	39.9	187.	*	2.08	.099
10	0	0	0	0	0	0	.022	37.4	197.	36.1	1.81	.099
11	0	0	0	0	0	0	.012	*	204.	50.4	1.61	.081
12	0	0	0	0	0	0	.016	*	198.	47.3	1.47	.081
13	0	0	0	0	0	0	.074	*	255.	41.6	1.31	.065
14	0	0	0	0	0	0	.725	*	219.	37.7	1.19	-.050
15	0	0	0	0	0	0	.074	*	137.	*	1.06	.050
16	0	0	0	0	0	0	.073	55.2	124.	*	1.00	.045
17	0	0	0	0	0	0	1.56	61.3	96.5	*	.960	-.045
18	0	0	0	0	0	0	.960	69.3	85.5	*	.859	-.040
19	0	0	0	0	0	0	.531	65.0	88.5	*	.764	-.040
20	0	0	0	0	0	0	.929	39.3	80.4	*	.718	.035
21	0	0	0	0	0	0	2.18	*	70.7	*	-.673	.035
22	0	0	0	0	0	0	4.45	*	63.2	*	.588	.035
23	0	0	0	0	0	0	5.45	43.5	55.9	*	.547	.035
24	0	0	0	0	0	0	9.23	51.0	48.0	*	.508	.035
25	0	0	0	0	0	0	43.4	36.2	45.1	*	.470	.035
26	0	0	0	0	0	0	*	35.1	41.6	*	-.433	-.035
27	0	0	0	0	0	0	*	*	40.0	*	-.397	-.031
28	0	0	0	0	0	0	*	*	38.7	*	.330	.031
29	0	=	0	0	0	0	*	*	36.8	6.86	-.330	.031
30	0	=	0	0	0	0	49.4	38.0	45.3	5.97	.298	.026
31	0	=	0	=	0	=	55.1	45.0	=	5.75	=	.026
MOY	0	0	0	0	0	0	*	*	107.	*	1.95	.082

DEBIT MINI 0.0 DATE IERE OBSERVATION 1 JAN
 DEBIT MAXI 255. DATE IERE OBSERVATION 13 SEP

TOGO M0NC OGOU SIRKA
 STATION NUMERO 47402505
 ANNEE 1975

	CEBITS MOYENS JOURNALIERS EN M3/S												
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.022	0	0	0	0	0	0	64.7	15.8	76.2	3.64	.081	
2	.022	0	0	0	0	0	0	66.0	14.2	72.5	3.30	.065	
3	.018	0	0	0	0	0	0	71.8	22.1	86.1	2.69	.065	
4	.014	0	0	0	0	0	0	63.0	32.5	63.0	2.27	.050	
5	.010	0	0	0	0	0	.064	46.5	32.6	47.1	1.98	-.045	
6	.010	0	0	.031	0	0	.040	43.3	33.1	55.6	1.65	.045	
7	.007	0	0	0	0	0	.038	91.8	28.3	57.1	1.43	-.040	
8	.003	0	0	0	0	0	.038	80.4	44.0	47.5	1.30	.040	
9	.003	0	0	0	0	0	.033	77.6	38.2	69.1	1.14	.035	
10	0	0	0	0	0	.026	.028	64.3	33.0	59.8	.960	.031	
11	0	0	0	0	0	.035	.026	49.3	38.4	51.2	.909	.031	
12	0	0	0	0	0	.026	.050	40.9	28.1	42.3	.811	.026	
13	0	0	0	0	0	.018	2.89	52.4	25.2	41.1	.718	.022	
14	0	0	0	0	0	.018	0	8.19	68.9	25.2	35.0	.588	.022
15	0	0	0	.010	0	.014	10.6	46.3	24.4	27.6	.508	.018	
16	0	0	0	.007	0	.010	6.42	45.5	33.0	24.3	.470	.018	
17	0	0	0	.296	0	.003	4.84	64.6	38.4	23.3	.433	.014	
18	0	0	0	.035	0	.003	5.66	55.8	31.3	21.5	.363	.014	
19	0	0	0	.026	0	0	4.74	43.6	33.3	23.3	.330	.010	
20	0	0	0	.020	0	0	6.41	33.5	34.2	20.0	.298	.007	
21	0	0	0	.016	0	0	7.45	28.7	27.0	16.3	.330	.007	
22	0	0	0	.040	0	0	6.41	25.9	28.0	14.6	.267	.003	
23	0	0	0	.028	0	0	33.9	23.6	73.9	12.7	.239	.003	
24	0	0	0	.022	0	0	105.	21.4	91.3	11.0	.211	0	
25	0	0	0	.016	0	0	105.	20.6	64.3	9.36	.211	0	
26	0	0	0	.012	0	0	97.2	18.2	47.8	8.31	.161	.007	
27	0	0	0	.008	0	0	67.8	18.7	60.6	7.33	.139	.003	
28	0	0	0	.033	0	0	41.7	23.5	73.9	6.41	.139	0	
29	0	=	0	.002	0	0	38.0	20.7	82.6	5.75	.118	0	
30	0	=	0	0	0	0	47.6	16.4	83.3	5.03	.099	0	
31	0	=	0	=	0	=	65.4	15.5	=	4.36	=	0	
MOY	.004	0	0	.020	0	.005	21.4	45.3	41.3	33.7	.923	.023	

DEBIT MINI 0.0 DATE IERE OBSERVATION 10 JAN
 DEBIT MAXI 105. DATE IERE OBSERVATION 24 JUL
 DEBIT MOYEN ANNUEL 12.0 M3/S

TOGC MCNC OGOU SIRKA
 STATION NUMERO 47402505
 ANNEE 1976

TOGO MCNC OGOU SIRKA
 STATION NUMERO 47402505
 ANNEE 1977

DEBITS MOYENS JOURNALIERS EN M3/S

DEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	0	0	0	0	*	.766	2.87	13.7	6.86	7.98	16.2	.588
2	0	0	0	0	*	.679	2.42	11.5	6.75	7.35	13.4	.508
3	0	0	C	C	*	1.25	1.98	9.63	6.32	8.61	14.0	.433
4	0	0	0	0	*	1.28	1.89	16.7	4.55	7.58	12.4	.397
5	C	0	0	0	*	.910	2.18	34.6	3.38	5.34	10.3	.330
6	0	0	0	C	3.91	.719	10.5	16.4	4.17	4.54	8.44	.267
7	0	0	0	C	.169	.609	13.8	18.2	4.75	3.64	8.19	.239
8	0	0	0	C	.020	.489	5.94	17.6	4.57	2.99	10.0	.211
9	0	0	0	C	.014	.451	2.87	20.0	3.20	2.42	20.6	.211
10	0	0	C	0	.007	.397	2.18	14.4	4.17	2.17	18.4	.186
11	0	0	0	0	.017	.470	1.58	11.8	3.20	2.32	17.1	.161
12	0	0	0	0	.010	.490	1.22	24.8	2.42	6.32	13.5	.161
13	0	0	0	0	.005	.696	1.02	22.9	2.48	6.03	10.1	.161
14	0	0	0	C	.603	.609	1.09	17.5	2.32	3.00	7.70	.139
15	0	0	0	0	.003	.835	2.08	14.7	1.89	14.5	6.19	.118
16	0	0	0	0	0	.631	7.24	17.6	1.77	12.6	4.84	.118
17	0	0	0	0	0	.742	5.38	27.8	1.54	11.9	3.81	.118
18	0	0	0	0	0	.835	18.7	20.6	1.50	23.0	3.05	.065
19	0	0	0	0	0	1.13	5.23	19.5	2.38	44.7	2.58	.045
20	0	0	0	0	.081	1.06	11.8	15.4	1.54	31.5	2.17	.040
21	0	0	0	0	.074	.884	22.4	11.8	1.43	27.9	2.27	.035
22	0	0	0	0	4.55	4.40	14.9	10.0	1.47	25.5	1.71	.031
23	0	0	0	0	.812	2.12	13.7	8.96	1.47	27.2	2.17	.022
24	0	0	0	0	.509	1.91	12.4	7.57	1.33	22.2	1.61	.014
25	0	0	0	0	.509	7.58	9.88	6.98	1.47	23.3	1.33	.014
26	0	0	0	0	.451	5.82	31.5	6.41	1.37	32.4	1.09	.010
27	0	0	0	0	.347	2.87	23.9	6.41	1.37	40.5	.935	.010
28	C	0	C	0	.283	7.45	20.3	5.86	3.51	32.7	.835	.010
29	0	0	0	0	3.23	6.41	18.2	5.61	6.75	22.8	.719	.010
30	0	=	0	0	.812	3.99	18.3	21.0	6.86	18.4	.652	.007
31	0	=	0	=	.529	=	16.2	9.99	=	17.0	=	.003
MOY	C	0	0	0	*	1.95	9.92	15.0	3.23	16.1	7.21	.150

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.003	0	0	0	C	0	0	.150	33.6	46.5	4.36	.547
2	.003	0	0	C	0	0	0	.119	28.3	41.4	3.56	.509
3	.003	0	0	0	0	0	0	.073	26.9	41.2	2.93	.364
4	.003	0	0	0	0	0	0	.057	23.2	36.9	2.58	.200
5	0	0	0	0	0	0	0	.045	22.5	40.2	2.27	.139
6	0	0	0	0	0	0	0	.038	29.7	41.1	1.94	.128
7	0	0	0	0	0	0	0	.033	25.0	43.8	1.69	.108
8	0	0	0	0	0	0	0	.031	39.1	47.8	1.50	.099
9	0	0	0	0	0	0	0	.028	54.7	46.5	1.40	.090
10	0	0	0	0	0	2.56	.026	48.2	41.7	1.30	.881	
11	0	0	0	0	0	.916	.026	42.3	69.6	1.22	.081	
12	0	0	0	0	0	.258	.198	64.5	77.5	1.16	.081	
13	0	0	0	0	0	.119	4.61	84.1	66.2	1.09	.081	
14	0	0	0	0	0	.073	1.94	110.	60.6	1.06	.073	
15	0	0	0	0	0	.042	2.96	65.6	55.5	1.02	.065	
16	0	0	0	0	0	.031	13.5	89.8	43.7	.980	.065	
17	0	0	0	0	0	.024	6.06	117.	36.6	.960	.065	
18	0	0	0	0	0	.020	4.84	59.9	30.1	.960	.065	
19	0	0	0	0	0	.016	12.4	56.9	25.0	.909	.050	
20	0	0	0	0	.040	.014	4.05	61.7	22.3	.859	.050	
21	0	0	0	0	0	.026	.075	4.78	50.3	21.1	.811	.050
22	0	0	0	0	0	.002	.038	12.0	48.2	18.6	.811	.045
23	0	0	0	0	0	.090	12.9	48.2	16.3	.811	.040	
24	C	C	0	C	0	.040	56.0	44.0	14.2	.764	.040	
25	0	0	0	0	0	.024	31.0	40.0	12.4	.764	.031	
26	0	0	0	0	0	.694	43.6	38.4	10.7	.764	.026	
27	0	0	0	0	0	.486	48.2	36.7	9.36	.764	.022	
28	C	0	0	0	0	.464	39.1	37.7	7.94	.718	.018	
29	0	=	0	C	0	.493	30.4	70.5	6.98	.673	.014	
30	0	=	0	C	0	.128	61.9	50.7	5.97	.588	.010	
31	0	=	0	=	0	.198	38.9	=	5.23	=	.007	
MOY	.000	0	0	0	0	.002	.220	13.9	51.6	33.6	1.37	.105

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 1 JAN
 DEBIT MAXI 44.7 DATE 1ERE OBSERVATION 15 OCT

DEBIT MINI 0.0 DATE 1ERE OBSERVATION 5 JAN
 DEBIT MAXI 117. DATE 1ERE OBSERVATION 17 SEP
 DEBIT MOYEN ANNUEL 8.41 M3/S

TOGO MOND OGOU SIRKA
 STATION NUMERO 47402505
 ANNEE 1978

DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	0	0	0	1.73	.108	1.54	24.0	39.6	34.1	42.6	.811	
2	0	0	0	.719	.073	4.33	20.3	31.9	60.1	25.0	.718	
3	0	0	0	.568	2.18	1.37	17.0	26.6	75.5	23.2	.673	
4	0	0	0	.528	2.72	1.09	14.2	33.3	53.4	22.1	.588	
5	0	0	0	.470	1.73	.935	12.4	27.9	47.1	18.4	.547	
6	0	0	0	.347	1.31	.787	11.7	25.8	45.8	17.2	.508	
7	0	0	0	.268	1.32	.673	11.5	41.7	44.2	19.1	.470	
8	0	0	0	.161	1.66	.630	11.2	52.2	36.1	16.4	.433	
9	0	0	0	.128	2.03	.568	10.5	51.2	31.6	12.7	.363	
10	0	0	0	.186	3.11	.975	9.76	41.8	31.5	10.5	.330	
11	0	0	0	.139	2.38	1.38	8.83	31.2	28.2	8.97	.298	
12	0	0	0	.139	2.55	.885	8.19	35.3	30.7	7.45	.298	
13	0	0	0	.470	5.18	.652	6.41	29.9	26.5	6.75	.267	
14	0	0	0	.294	.271	5.18	.674	4.54	25.7	21.0	.239	
15	0	0	0	.490	.150	2.65	.609	7.45	24.7	17.5	.211	
16	0	0	0	.929	.186	1.94	.609	8.34	21.8	15.7	.186	
17	0	0	0	.719	.150	1.57	2.82	15.0	24.1	14.1	.186	
18	0	0	0	.609	.139	1.54	38.5	14.9	28.6	14.2	.186	
19	0	0	0	.547	.128	1.25	25.8	10.3	26.8	12.0	.161	
20	0	0	0	.489	.108	1.14	16.0	9.62	29.7	10.4	.099	
21	0	0	0	.451	.119	1.11	15.0	8.32	36.9	9.09	.177	
22	0	0	0	.433	.178	1.06	10.7	8.19	26.6	7.94	.157	
23	0	0	0	.451	.128	1.06	22.0	15.1	28.5	7.09	.140	
24	0	0	0	.553	.108	1.09	21.9	12.6	30.9	7.33	.127	
25	0	0	0	.862	.065	.980	37.1	10.4	29.4	8.98	.116	
26	0	0	0	.631	.045	.835	31.3	9.09	23.3	9.48	.109	
27	0	0	0	.568	.026	.926	28.8	7.57	19.2	9.36	.102	
28	0	0	0	.547	.119	1.02	28.1	7.94	20.6	13.3	.999	
29	0	=	0	.609	.055	1.83	26.9	7.09	18.2	14.6	.935	
30	0	=	0	.528	.042	1.40	29.9	12.2	17.2	41.7	.859	
31	0	=	0	.139	=	.26.2	15.4	=	47.4	=	.010	
MOY	0	0	0	.324	.258	1.76	12.2	11.3	30.0	26.6	8.90	.252

DEBIT MINI 0.0 DATE IERE OBSERVATION 1 JAN
 DEBIT MAXI 76.4 DATE IERE OBSERVATION 3 OCT
 DEBIT MOYEN ANNUEL 7.67 M3/S

TOGO NJAC OGOU SIRKA
 STATION NUMERO 47402505
 ANNEE 1979

DEBITS MOYENS JOURNALIERS EN M3/S												
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	
1	.010	0	0	*	0	0	1.65	55.8	236.	81.2	23.0	
2	.010	0	0	.298	0	0	1.37	48.7	238.	97.1	16.0	
3	.007	0	0	.263	0	0	2.13	73.4	176.	103.	12.9	
4	.003	0	0	.253	0	0	1.40	72.5	154.	101.	10.4	
5	0	0	0	.239	0	0	1.09	71.7	213.	64.0	11.0	
6	0	0	0	.150	0	0	1.05	62.1	276.	46.4	10.9	
7	0	0	0	.084	0	0	.812	60.7	255.	41.2	8.19	
8	0	0	0	.038	0	0	.741	50.9	209.	37.4	6.98	
9	0	0	0	.028	0	0	.609	41.2	175.	44.7	6.07	
10	0	0	0	.022	0	0	.509	37.2	135.	58.3	6.86	
11	0	0	0	.016	0	0	.835	46.9	129.	52.0	5.65	
12	0	0	0	.012	0	.030	.719	39.2	93.7	35.4	4.54	
13	0	0	0	.008	0	.018	.609	31.3	71.8	28.0	3.72	
14	0	0	0	.007	0	.005	1.37	39.7	61.5	25.1	3.17	
15	0	0	0	.003	0	0	1.14	42.6	56.3	24.1	2.81	
16	*	0	0	.002	0	0	1.48	44.1	70.7	24.7	2.48	
17	0	0	0	0	.007	0	2.50	51.8	78.3	22.3	2.17	
18	0	0	0	0	.007	0	3.93	46.3	103.	19.0	1.89	
19	0	0	0	0	.003	.035	6.75	42.9	91.1	17.0	1.65	
20	0	0	0	0	0	.026	6.63	48.4	57.3	15.5	1.50	
21	0	0	0	0	0	.018	6.08	44.4	68.2	14.4	1.30	
22	0	0	0	0	0	.007	11.3	61.3	68.4	12.8	1.19	
23	0	0	0	0	0	.003	63.0	102.	68.8	11.8	1.14	
24	0	0	0	0	0	0	48.6	157.	64.2	10.7	1.04	
25	0	0	0	0	0	0	59.4	156.	68.4	9.90	.999	
26	0	0	0	0	0	0	63.5	139.	61.7	15.7	.960	
27	0	0	0	0	0	0	52.2	151.	56.9	12.2	.909	
28	0	0	0	0	0	0	59.6	131.	59.4	10.2	.859	
29	0	=	0	0	0	0	49.1	160.	50.3	9.89	.764	
30	0	=	0	0	0	0	38.4	181.	52.2	11.4	.718	
31	0	=	0	=	0	=	120.	198.	=	41.2	=	
MOY	*	0	0	*	.001	.005	19.6	80.2	117.	35.4	5.06	.405

DEBIT MINI 0.0 DATE IERE OBSERVATION 5 JAN
 DEBIT MAXI 276. DATE IERE OBSERVATION 6 SEP

GENERALITES :

- Superficie du bassin versant : 370 km²
- Coordonnées de la station : 7°32'N - 1°05'E
- Cote du zéro de l'échelle : 196 (IGN) environ
- Amplitude de l'échelle : 0 à 6 m
- Accès : Route ATAKPAME-
KPALIME
- Date de création : 26.2.57
- Cadence des relevés : 2 lectures par jour

TARAGE :

- Nombre de jaugeages au 31.12.79 : 81
- Maximum jaugé : H = 1.35 m
Q = 14.6 m³/s
Date = 13.8.75
- Nombre de tarages utilisés pour la
période 71-79 : 6
- Dernière courbe d'étalonnage utilisée :
. valide du 12.9.77 au 31.12.79
. valeurs des hauteurs limites
et des coefficients des tronçons de paraboles :

Limites en M	C ₁ L en m/s	C ₂ L en m ² /s	C ₃ L en m ³ /s
0,0 A 0,15	2.0000	0.1000	0.0
0,15 A 0,25	32.000	0.8000	0.060
0,25 A 0,70	4.6444	6.9989	0.460
0,70 A 1,00	5.8333	12.917	4.55
1,00 A 1,25	4.6667	15.033	8.95
1,25 A 1,80	0.3636	18.700	13.0

INVENTAIRE DES DONNEES DISPONIBLES

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1957	/	*	/
1958
1959	/
1960	/	*	.	*
1961	.	*
1962	.	/	/	/	/	.
1963
1964
1965
1966
1967	.	.	.	/
1968
1969	.	.	.	/
1970
1971
1972	.	/	/	.
1973	.	/
1974	.	.	/
1975	/	*	/
1976
1977
1978
1979	.	.	/

. signifie mois complet
/ signifie mois incomplet
* signifie mois manquant

TABLEAUX DES DEBITS MOYENS JOURNALIERS (71-79)

TOGG MJNO AMOUTCHOU EBEVA
 ANNEE 1971 STATION NUMERO 47403503

- SYMBOLES UTILISES :

- * signifie : pas de relevé
 . + signifie : les hauteurs lues sont supérieures
 à la cote maximale fixée pour
 l'extrapolation de la courbe
 d'étalonnage.

- COMMENTAIRES :

- Nous avons dû extrapoler fortement la courbe d'étalonnage. Les débits supérieurs à 18 m³/s donnés dans ces annales sont assez incertains.
 - La cadence des relevés est insuffisante compte tenu de la rapidité des crues à la station. Il convient donc d'être très prudent dans l'utilisation que l'on pourrait faire, des débits donnés dans ces annales pour l'étude des crues et des modules.
 - A partir de 1977 les lectures de basses eaux ne sont pas de très bonne qualité.

	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.416	.120	.296	.235	.220	.156	.821	2.89	4.67	6.51	1.04	.795
2	.416	.142	.432	.280	.235	.269	.681	1.92	5.16	6.13	1.04	.603
3	.416	.142	.381	.235	.220	.221	1.68	2.47	4.48	5.35	1.04	.550
4	.380	.154	.281	.220	.179	.265	1.84	2.80	4.21	4.96	.870	.503
5	.380	.166	1.26	.315	.154	.552	2.90	7.92	4.21	5.15	.870	.503
6	.380	.166	.494	.220	.131	.363	1.60	2.00	6.32	5.15	.870	.503
7	.345	.142	.381	.179	.179	.296	1.73	3.79	10.8	4.77	.795	.503
8	.312	.142	.296	.166	.166	.235	1.34	14.3	8.38	3.85	.795	.503
9	.312	.120	.249	.206	.559	.206	1.78	7.33	7.51	3.50	.725	.503
10	.280	.110	.405	.563	.346	.220	3.07	5.74	6.13	3.16	.725	.503
11	.280	.091	.346	.531	.235	.220	1.49	4.58	6.13	3.16	.725	.661
12	.280	.082	.265	.358	.220	.220	1.08	3.94	6.51	4.39	.661	.550
13	.280	.082	.220	.363	.179	.192	.850	6.30	5.55	3.50	.661	.503
14	.280	.250	.206	.515	.166	.313	.771	4.67	15.1	3.00	.661	.503
15	.280	.296	.192	.436	.181	.235	.680	3.94	16.6	2.68	.661	.503
16	.220	.206	.192	.329	.154	.179	4.71	3.33	15.8	2.07	.603	.503
17	.220	.166	.166	.249	.142	.192	2.00	6.79	14.2	2.07	.550	.459
18	.220	.142	.166	.249	.179	.266	3.26	6.13	27.3	2.07	.550	.419
19	.192	.110	.166	.220	1.20	.249	1.60	5.92	21.9	2.07	.766	.350
20	.142	.120	.142	.206	.398	.265	1.55	7.94	25.3	2.07	.760	.350
21	.142	.120	.179	.192	.363	.597	5.49	11.5	18.4	1.80	.603	.295
22	.166	.120	.206	.166	.329	.416	11.9	10.9	13.2	1.93	.603	.295
23	.220	.120	.624	.281	.223	.524	5.06	13.6	18.3	1.55	.603	.295
24	.166	.120	.492	.250	.211	.726	3.51	9.61	13.1	1.44	.576	.273
25	.142	.400	.398	.206	.235	.572	2.11	7.78	11.4	1.44	.550	.255
26	.120	.380	.330	.154	.206	.434	1.66	6.79	11.9	1.44	.526	.240
27	.120	.887	.296	.142	.179	.642	1.29	5.55	9.28	1.33	.503	.240
28	.120	.453	.249	.220	.166	2.48	1.25	4.77	8.38	1.33	.503	.240
29	.120	=	.220	.220	.142	1.87	1.20	4.03	7.25	1.23	.966	.240
30	.120	=	.206	.235	.131	1.04	1.16	5.45	6.79	1.13	1.04	.240
31	.120	=	.313	=	.120	=	5.68	5.84	=	1.04	=	.295
MOY	.245	.198	.324	.273	.250	.480	2.44	6.15	11.1	2.94	.728	.425
DEBIT MINI				0.082	DATE 1ERE OBSERVATION				12 FEV			
DEBIT MAXI				27.3	DATE 1ERE OBSERVATION				18 SEP			
DEBIT MOYEN ANNUEL				2.14 M3/S								

TOGO MJCNC AMOLTCHCU EBEVA
STATION NUMERO 47403503
ANNEE 1972

CEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.273	.184	.306	.505	.164	3.01	.603	22.9	3.59	1.33	.459	-.174
2	.255	.184	.264	.357	.154	13.4	.606	13.9	6.48	1.44	.503	.174
3	.255	.184	.234	.240	.140	6.13	.503	10.9	3.42	1.33	.503	-.164
4	.240	.164	.211	.234	.136	4.34	.459	9.20	3.08	1.33	.459	-.154
5	.240	.164	.195	.217	.131	5.36	.766	6.70	3.59	1.23	.459	.164
6	.255	.154	.184	.217	.123	2.55	.526	5.65	3.25	1.13	.419	-.145
7	.255	.154	.159	.217	.118	1.38	.550	5.15	2.76	1.08	.419	.145
8	.255	.154	.132	.262	.110	1.33	1.06	4.48	14.0	.951	.419	.145
9	.228	.154	.185	.667	.102	1.28	.606	4.03	12.8	.870	.383	-.145
10	.217	.154	.154	.505	.155	.994	1.18	3.33	16.1	.954	.321	.145
11	.240	.164	.114	.339	.323	.832	3.85	4.12	12.8	1.44	.321	.145
12	.240	.154	.102	1.95	.366	.664	3.25	3.33	9.45	.951	.321	.136
13	.240	.145	.094	.962	.485	.505	5.25	2.53	7.69	.910	.321	.136
14	.228	.145	.169	.505	.284	9.36	4.87	2.15	6.98	.994	.273	-.136
15	.228	.145	.169	.461	.247	3.94	3.42	1.74	6.13	.870	*	.136
16	.228	*	.179	.505	.234	2.76	2.22	1.61	6.41	.870	*	.136
17	.206	*	.164	.962	.212	3.26	1.93	1.33	4.21	1.08	*	.136
18	.206	*	.184	.638	.211	4.58	2.15	1.56	3.59	.910	*	.136
19	.206	*	.880	.526	.200	3.08	1.93	1.33	6.06	1.89	*	.145
20	.206	*	.592	.927	.179	2.15	4.23	1.44	4.49	1.61	*	.136
21	.228	*	.321	.606	.184	1.74	2.76	5.09	3.59	.994	.195	-.136
22	.195	-.106	.275	.405	.190	1.50	3.94	4.96	3.00	.832	.195	.145
23	.195	.256	.223	.383	.206	2.94	2.92	3.76	2.60	.795	.184	.145
24	.184	.352	.200	.370	1.45	2.37	2.53	7.64	2.22	.873	.184	.136
25	.174	.234	.190	.426	1.00	1.68	1.65	4.58	1.93	.795	.184	-.136
26	.174	.228	.255	.798	.632	1.28	7.86	4.21	2.00	-.760	.174	.127
27	.184	.217	.228	.526	.526	.910	14.7	3.33	1.93	.725	.206	.110
28	.195	.217	.200	.439	13.9	.832	14.6	2.68	1.74	.693	.195	.110
29	.184	.190	.190	.366	3.59	.725	11.3	3.09	1.55	.632	.184	-.110
30	.184	=	.295	.350	2.23	.664	11.1	5.93	1.44	.603	.184	.110
31	.184	=	.466	=	4.89	=	11.3	3.59	=	.526	=	-.110
MOY	.219	*	.242	.529	1.06	2.65	4.02	5.04	5.29	1.01	*	-.139
DEBIT MINI			0.094									13 MAR
DEBIT MAXI			22.9									1 AOU

TOGO MCNC AMOLTCHOU EBEVA
STATION NUMERO 47403503
ANNEE 1973

CEBITS MOYENS JOURNALIERS EN M3/S

	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.110	.024	.007	.297	.127	.240	1.42	1.01	3.27	6.20	5.68	.904
2	.110	.024	0	.170	.127	.699	1.14	1.44	5.90	5.60	4.78	.832
3	.110	.024	0	.123	.118	.377	3.17	1.94	5.60	6.05	4.03	.832
4	-.094	*	0	.098	.141	.426	1.46	3.26	5.22	7.23	4.32	.832
5	.094	*	0	.060	.169	.505	.910	2.84	4.25	7.01	3.81	.832
6	.087	*	0	.073	.159	.481	.760	8.79	4.40	5.90	3.27	.762
7	.087	*	0	.098	.169	.377	.661	17.8	3.69	5.30	2.94	.832
8	.087	*	0	.114	.159	.350	.638	12.2	6.93	4.93	2.76	.832
9	-.110	*	0	.118	.145	.323	2.49	9.87	3.13	9.72	2.58	.762
10	.110	*	0	.094	.136	.264	1.70	9.95	5.08	15.5	2.29	.762
11	.118	*	0	.076	.127	.268	2.32	7.73	7.52	8.95	2.13	-.762
12	.110	*	0	.066	.123	.284	2.38	6.27	22.8	8.81	2.02	.695
13	.102	*	0	.054	.102	.295	5.36	4.55	10.3	7.44	1.87	.695
14	.102	*	0	.040	.164	.366	2.31	4.55	15.2	6.71	1.77	.904
15	.094	*	0	.035	.339	.255	3.18	7.43	10.5	6.20	1.72	-.832
16	.094	*	0	.040	.234	.357	1.63	7.15	8.81	5.53	1.77	.832
17	.094	*	0	.043	.223	.255	1.28	7.73	7.88	5.00	1.62	.762
18	.094	*	0	.040	.234	.288	.910	10.2	8.88	4.47	1.48	.762
19	.087	*	0	.033	.217	.421	.870	7.15	7.30	3.81	1.35	-.695
20	.080	*	0	.125	.192	.466	.693	6.05	6.20	4.79	1.06	.695
21	-.073	.066	0	.132	-.131	-.443	1.70	5.60	6.05	3.60	.832	.630
22	.066	.054	0	.091	.114	.531	-.873	6.86	8.23	3.67	-.799	-.630
23	.060	.038	0	.076	.110	.840	.664	8.85	6.27	4.40	.695	.630
24	.060	.028	0	.094	.106	.760	.664	10.9	8.23	4.22	-.904	.630
25	.060	.024	.108	.091	.114	1.44	.576	9.57	6.79	3.67	1.02	.567
26	.060	.016	.169	.114	.323	4.92	.576	9.97	5.90	7.88	1.02	.567
27	.060	.010	.150	.174	.273	1.37	.459	7.37	5.53	5.60	-.979	.567
28	.060	.010	.118	.114	.220	1.63	8.15	6.42	5.08	13.0	.904	.567
29	.060	=	.106	.131	.190	1.13	4.23	5.45	5.60	7.88	.904	.507
30	.048	=	.139	.114	.211	.873	2.23	5.00	6.92	5.90	.868	-.507
31	.033	=	.150	=	.206	=	1.10	4.32	=	8.09	=	.507
MOY	.084	*	.031	.098	.174	.708	1.82	7.04	7.25	6.55	2.07	.714
DEBIT MINI			0.0									2 MAR
DEBIT MAXI			22.6									12 SEP

STATION NUMERO 47403503												STATION NUMERO 47403503															
ANNEE 1974						ANNEE 1975						ANNEE 1974						ANNEE 1975									
DEBITS MOYENS JOURNALIERS EN M3/S												DEBITS MOYENS JOURNALIERS EN M3/S															
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC				
1	.507	.260	.065	.545	.280	.091	.797	2.64	4.25	7.63	5.25	.759	1	.238	.035	.017	.103	.066	.571	3.75	7.82	4.24	13.0	*	*		
2	.507	.300	*	.348	.493	.079	2.90	3.47	3.75	5.90	3.24	.759	2	.196	.030	.014	.093	.063	.464	3.62	9.60	3.82	12.0	*	*		
3	.507	.300	*	.327	3.67	.068	1.83	2.58	4.55	7.35	3.62	.464	3	.196	.035	.011	.093	.075	.499	3.49	10.6	4.36	12.0	*	*		
4	.507	.300	*	.375	2.60	.061	2.63	2.08	3.90	9.91	2.47	.682	4	.160	.035	.008	.238	.249	.429	1.01	10.2	9.31	10.5	*	*		
5	.450	.191	*	.479	2.70	.058	1.62	3.47	3.13	7.76	1.98	.607	5	.160	.035	.006	.311	.800	.395	2.16	9.03	6.80	9.52	*	*		
6	.450	.191	.003	.537	1.36	1.55	1.06	1.97	19.6	10.8	1.83	.535	6	.160	.030	.005	.459	.499	.311	3.42	19.4	12.4	14.7	*	*		
7	.450	.191	*	.868	.906	1.62	1.31	2.19	11.8	6.55	1.26	.607	7	.129	.030	.005	.459	.366	.238	3.49	8.86	16.2	11.2	*	*		
8	.450	.191	*	.572	.797	1.10	1.92	1.97	9.77	5.84	1.36	.535	8	.129	.030	.003	.355	.285	.262	5.21	5.46	+	13.5	*	*		
9	.395	.191	*	.398	.665	.728	3.60	2.02	9.54	5.14	.759	.535	9	.103	.040	.003	.366	.199	9.77	4.96	2.59	+	17.8	*	*		
10	.395	.191	*	.280	.479	.601	2.30	2.95	10.6	4.54	1.00	.464	10	.103	.040	.001	.223	.116	10.7	9.90	3.81	24.8	16.1	*	*		
11	.346	.163	*	.207	.323	1.06	1.62	4.63	9.70	6.85	1.17	.464	11	.103	.196	0	.075	.116	7.14	5.02	7.64	18.1	19.5	*	*		
12	.346	.163	*	.177	.370	.696	1.57	4.11	8.66	4.85	1.63	.464	12	.103	.238	0	.068	.772	4.48	3.80	10.5	21.6	15.2	*	*		
13	.346	.163	*	.130	.346	.479	1.44	3.01	8.10	4.84	1.83	.464	13	.083	.196	0	.075	.762	3.17	5.58	9.62	19.7	11.1	*	*		
14	.346	.163	.695	.106	.323	.398	1.67	2.52	8.59	4.18	1.26	.395	14	.083	.103	0	.311	.395	1.73	4.12	9.75	18.2	10.1	*	*		
15	.346	.163	.395	.160	.241	.323	1.14	2.30	8.38	3.95	1.00	.337	15	.083	.083	0	2.20	.401	1.49	4.48	7.07	29.9	10.1	*	*		
16	.346	.140	.395	.151	.207	.241	1.35	3.08	7.76	4.13	1.00	.337	16	.068	.068	0	1.05	.217	1.35	7.41	9.15	24.4	12.0	*	*		
17	.346	.140	.280	.207	.191	.241	2.38	2.13	8.03	4.13	.837	.337	17	.103	.103	0	1.43	.144	1.26	5.90	12.0	21.2	9.02	*	*		
18	.300	.106	.348	.564	.163	.223	2.35	1.67	10.9	3.17	.759	.395	18	.083	.103	0	2.59	.116	1.17	4.12	4.12	17.0	9.38	*	.837		
19	.300	.106	.207	.572	.140	.191	4.71	1.67	11.0	2.93	1.17	.395	19	.068	.083	0	1.78	.103	1.08	2.98	2.05	19.7	10.6	*	.917		
20	.300	.106	.151	.280	.095	.624	6.71	1.72	10.6	2.03	1.17	.337	20	.068	.068	0	1.22	.093	1.35	2.52	5.42	16.7	10.7	*	.759		
21	.300	.106	.113	.191	.087	.833	4.48	1.77	10.6	1.93	1.08	.337	21	.058	.058	0	.762	.083	1.26	3.88	10.5	14.7	*	*	.837		
22	.300	.095	1.36	.225	.079	.540	3.07	2.52	8.24	3.05	.917	.395	22	.058	.046	0	1.00	.075	1.08	4.12	11.6	16.2	*	*	.759		
23	.260	.260	.696	.223	.087	.370	2.52	2.43	7.14	3.80	1.08	.395	23	.052	.040	.058	.959	.063	1.08	2.98	14.5	16.3	*	*	.607		
24	.260	.260	.348	.113	.079	.280	2.52	3.21	6.09	3.17	.759	.395	24	.052	.035	.160	.838	.070	1.00	2.00	21.2	28.5	*	*	.682		
25	.260	.223	.207	.123	.067	.207	2.48	6.03	5.39	2.53	.759	.337	25	.052	.030	.607	.410	.217	.917	2.99	19.4	20.5	*	*	.682		
26	.260	.095	.151	.083	.079	.177	3.54	7.29	5.27	2.69	.337	.337	26	.052	.025	.607	.238	.374	.837	2.99	18.2	23.9	*	*	.759		
27	.260	.087	.130	.676	.072	.211	2.94	7.51	5.45	2.25	.464	.337	27	.052	.021	.535	.196	.160	.682	2.10	17.2	20.3	*	*	.682		
28	.260	.087	.100	.079	.065	.280	2.76	6.71	5.71	2.09	.535	.337	28	.052	.021	.535	.144	.183	3.95	2.00	15.8	19.9	*	*	.682		
29	.260	=	.159	1.26	.065	.207	3.07	5.45	5.21	2.03	.759	.285	29	.052	=	.464	.103	.501	4.07	2.99	14.2	16.6	*	*	.682		
30	.260	=	.375	.375	.079	.163	2.88	5.01	4.30	.929	.759	.285	30	.052	=	.337	.093	1.21	3.82	2.99	13.4	16.6	*	*	.607		
31	.260	=	1.02	=	.072	=	2.88	5.98	=	8.24	=	.238	31	.040	=	.285	=	.683	=	3.17	7.33	=	*	=	.535		
MOY	.351	.176	*	.334	.555	.457	2.52	3.42	7.87	4.68	1.40	.437	MOY	.096	.066	.118	.612	.308	2.22	3.84	10.6	*	*	*	*		
DEBIT MINI	0.003		DATE 1ERE OBSERVATION									6 MAR		DEBIT MINI	0.0		DATE 1ERE OBSERVATION									11 MAR	
DEBIT MAXI	15.6		DATE 1ERE OBSERVATION									6 SEP		DEBIT MAXI	?		DATE 1ERE OBSERVATION									8 SEP (H = 3,40m)	

STATION NUMERO 47403503													STATION NUMERO 47403503																																						
ANNEE 1976																										ANNEE 1977																									
DEBITS MOYENS JOURNALIERS EN M3/S																										DEBITS MOYENS JOURNALIERS EN M3/S																									
TOGO MOND AMOUTCHOU EBEVA													TOGO MOND AMOUTCHOU EBEVA																																						
JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC																												
1	682	238	160	116	682	350	1.08	1.44	4.77	8.29	5.84	.240	1	150	094	043	024	070	192	1.11	1.78	206	8.38	747	.113																										
2	535	196	103	083	607	308	1.19	1.28	4.12	8.12	4.96	.228	2	154	087	043	024	066	206	8.51	638	347	6.84	602	.113																										
3	607	160	103	083	682	264	1.18	3.59	18.4	4.30	217		3	145	087	038	016	066	179	2.68	323	1.63	5.90	602	.113																										
4	682	129	083	068	607	264	7.66	7.92	3.16	10.3	3.67	.206	4	140	094	038	020	060	179	2.59	273	11.4	5.21	530	.089																										
5	607	160	083	075	607	255	910	8.37	2.60	8.45	4.21	.206	5	245	087	038	020	102	169	7.66	234	8.92	4.00	460	.089																										
6	535	196	103	068	2.14	466	1.56	4.96	5.73	8.38	4.49	.195	6	185	080	038	024	094	131	531	200	12.6	3.48	460	.089																										
7	464	285	083	063	3.68	439	2.45	3.59	4.30	8.12	7.43	.195	7	164	080	038	016	076	123	323	184	8.45	7.52	460	.089																										
8	464	196	103	058	2.14	526	1.67	6.54	3.00	7.69	6.42	.184	8	154	080	038	024	057	106	247	179	7.07	5.90	391	.053																										
9	464	285	103	055	1.63	606	1.23	4.30	2.84	6.70	6.04	.174	9	150	080	033	024	051	102	223	169	9.85	5.56	391	.071																										
10	535	337	103	052	1.44	526	1.04	4.87	2.52	5.74	5.05	.184	10	140	073	033	016	054	136	798	159	6.22	4.55	329	.071																										
11	682	285	103	055	1.17	1.67	.870	3.85	2.22	5.25	4.39	.164	11	131	073	028	013	063	145	664	150	17.8	4.11	329	.071																										
12	759	238	337	055	759	4.58	693	2.84	2.08	7.86	5.26	.174	12	127	073	028	007	070	118	505	159	22.5	3.48	329	.071																										
13	607	196	285	052	1.17	3.26	.550	2.60	1.93	5.84	4.03	.164	13	131	073	028	010	098	098	339	159	12.2	4.55	273	.071																										
14	464	160	238	1.40	1.00	1.50	1.08	2.07	1.74	4.96	3.59	.154	14	136	066	028	007	073	098	275	150	8.95	3.74	273	.071																										
15	464	160	196	759	917	1.44	.870	1.93	5.15	6.41	3.25	.164	15	127	066	028	004	063	140	234	136	8.07	2.98	273	.071																										
16	464	196	285	798	917	.873	1.24	14.1	5.15	10.4	3.08	.154	16	118	066	024	0	051	201	211	169	8.14	2.50	223	.071																										
17	395	285	464	1.26	195	798	1.74	+	6.88	8.79	2.84	.159	17	118	066	024	0	043	145	190	154	7.30	2.05	223	.071																										
18	395	196	337	1.35	184	910	2.15	18.2	4.39	8.62	2.60	.159	18	127	060	024	0	038	118	190	182	6.27	2.18	223	.071																										
19	395	196	238	759	179	8.45	4.49	13.7	3.67	10.2	2.30	.159	19	127	060	024	0	060	123	228	184	5.90	2.00	143	.071																										
20	337	607	464	682	174	4.87	3.00	21.3	3.33	12.4	2.15	.150	20	118	060	024	0	134	242	200	145	5.48	1.91	180	.071																										
21	285	682	395	607	330	3.09	2.84	11.4	4.21	12.2	2.00	.154	21	110	060	020	0	145	321	164	136	9.72	1.87	180	.060																										
22	238	337	395	464	7.64	5.45	1.63	8.79	4.60	13.6	1.86	1.20	22	118	066	016	0	114	236	169	136	7.22	1.78	180	.060																										
23	395	285	464	395	3.33	3.16	2.22	8.87	3.16	10.3	1.67	.206	23	127	066	016	0	094	179	154	140	6.62	1.70	180	.060																										
24	238	285	337	607	2.91	3.94	1.61	8.29	3.17	8.87	1.61	.169	24	110	066	013	0	076	145	154	145	10.1	1.53	143	.053																										
25	196	238	238	759	798	9.77	2.30	7.95	4.60	8.87	911	.159	25	102	060	013	048	070	159	150	160	7.99	1.29	143	.053																										
26	196	196	196	535	553	5.45	6.13	7.52	8.79	9.28	321	.154	26	102	060	020	060	160	190	150	234	9.72	1.29	143	.053																										
27	285	196	196	607	439	4.04	6.22	6.98	13.3	7.95	308	.159	27	094	054	024	054	127	217	5.02	206	11.1	1.25	143	.047																										
28	196	160	196	1.26	366	2.53	3.59	6.13	15.8	8.79	295	.159	28	094	048	024	048	197	211	1.11	179	8.55	1.09	143	.047																										
29	103	160	196	1.00	335	1.74	2.95	7.95	13.3	7.69	273	.150	29	102	=	020	043	234	435	350	159	8.71	973	113	.047																										
30	052	=	160	682	308	1.38	1.86	6.98	8.79	7.25	247	.145	30	102	=	020	054	212	8.48	275	664	7.76	935	113	.047																										
31	040	=	160	=	352	=	1.55	5.35	=	6.79	=	.145	31	094	=	016	=	141	=	5.23	288	=	897	=	.041																										
MOY	412	250	223	493	1.23	2.43	2.00	*	5.10	8.79	3.18	.207	MOY	130	071	027	019	096	451	1.09	264	8.56	3.27	297	.070																										
DEBIT MINI			0 040						DATE IERE OBSERVATION	31 JAN			DEBIT MINI			0 004				DATE IERE OBSERVATION	15 AVR																														
DEBIT MAXI			?						DATE IERE OBSERVATION	17 AOU (H = 3,80 m)			DEBIT MAXI			29.2				DATE IERE OBSERVATION	12 SEP																														
DEBIT MOYEN ANNUEL													DEBIT MOYEN ANNUEL			1 19									M3/S																										

	STATION NUMERO 47403503											
	ANNEE 1978											
	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.041	.010	.859	.089	.748	.530	2.55	3.08	2.83	11.8	4.68	1.29
2	.041	.010	.675	.089	.638	.638	2.36	2.78	2.78	12.1	4.28	1.29
3	.041	.010	.120	.089	.566	2.23	2.41	2.50	2.78	10.9	3.79	1.21
4	.035	.010	.041	.128	.329	1.66	2.32	2.32	2.69	8.16	3.53	1.21
5	.035	.010	.041	.143	.329	1.70	2.55	2.22	2.64	7.68	3.43	1.29
6	.035	.010	.030	.162	.180	1.87	2.93	2.22	2.55	9.64	3.43	1.29
7	.035	.010	.030	.183	.180	1.87	3.23	2.05	2.59	13.0	3.28	1.21
8	.035	.010	.180	.202	.180	4.00	3.43	2.05	2.59	18.7	3.23	1.29
9	.035	.010	.089	.162	.394	3.48	3.43	1.96	2.41	19.6	3.18	1.21
10	.035	.010	.089	.143	.143	5.49	3.23	1.87	2.36	13.7	3.18	1.13
11	.030	.010	.089	.143	.143	5.83	3.18	1.87	2.50	13.0	3.08	1.13
12	.030	.010	.602	.226	.460	3.03	3.84	1.78	6.26	12.6	3.08	1.21
13	.030	.010	.602	.531	.495	2.59	4.61	1.78	7.14	12.6	2.45	1.21
14	.030	.010	1.37	.674	1.09	2.27	5.28	1.70	7.76	12.7	2.13	1.13
15	.030	.010	.638	.748	.747	2.09	6.55	1.70	8.87	12.3	2.05	1.13
16	.030	0	.602	.822	.602	2.27	28.2	1.61	29.6	11.8	1.96	1.21
17	.025	0	.329	.748	.460	2.59	27.4	1.61	+	11.2	1.87	1.13
18	.025	0	.329	.674	.460	3.18	24.1	6.04	+	10.7	1.78	1.05
19	.025	0	.301	.638	.329	3.79	17.7	5.76	28.2	10.6	1.70	1.13
20	.035	0	.226	.662	.273	4.38	9.48	5.08	27.7	10.3	1.61	1.05
21	.035	0	.128	.530	.223	4.33	8.14	4.55	27.2	9.71	1.61	1.05
22	.035	0	.089	.495	.223	3.95	8.54	4.49	29.4	11.8	1.53	1.13
23	.030	0	.060	.460	.495	3.84	8.46	4.49	29.7	11.7	1.53	1.05
24	.030	0	.086	1.41	.460	3.58	7.52	4.27	25.3	10.7	1.45	1.05
25	.025	0	.307	2.23	.460	3.13	5.83	3.79	23.4	10.3	1.45	.973
26	.025	0	.749	1.61	.426	2.59	5.14	3.43	23.1	10.3	1.37	.973
27	.021	0	.897	1.53	.391	2.50	4.61	3.28	22.5	9.72	1.29	.897
28	.021	0	.712	1.53	.391	2.50	3.95	3.23	19.1	8.79	1.29	.822
29	.013	=	.367	1.05	.329	2.59	3.48	3.13	14.5	7.52	1.21	.747
30	.013	=	.113	.674	.460	2.50	3.38	3.08	12.1	6.26	1.13	.674
31	.010	=	.113	=	.785	=	3.38	2.98	=	5.28	=	.602
MOY	.030	.005	.348	.624	.432	2.90	7.13	2.99	*	11.1	2.38	1.09
			DEBIT MINI	0.0						DATE 1ERE OBSERVATION	16 FEV	
			DEBIT MAXI	?						DATE 1ERE OBSERVATION	17 SEP (H = 3,05m)	

	STATION NUMERO 47403503											
	ANNEE 1979											
	DEBITS MOYENS JOURNALIERS EN M3/S											
	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC
1	.530	.143	.030	.053	.071	.566	5.36	30.6	15.8	14.1	2.36	1.1
2	.460	.113	.030	.053	.060	.460	8.23	27.7	15.5	14.1	2.13	1.3
3	.460	.113	.030	.060	.060	.391	7.14	25.1	14.9	14.6	2.32	1.29
4	.460	.113	.086	4.06	1.96	.360	6.62	21.7	14.5	14.1	2.27	1.29
5	.460	.113	.162	2.45	1.78	4.49	6.47	8.78	13.7	20.1	2.05	1.2
6	.460	.089	.530	1.53	1.57	2.55	6.11	5.76	11.9	21.2	2.55	1.2
7	.460	.089	.460	.712	1.01	2.09	5.21	4.56	11.8	23.0	2.88	1.2
8	.460	.089	.460	.248	.329	2.41	5.14	17.6	11.6	23.1	2.55	1.21
9	.391	.089	.360	.162	1.56	2.45	5.08	16.4	11.8	22.6	2.50	1.13
10	.530	.071	.329	.089	1.45	2.32	6.04	15.9	11.9	24.0	2.27	1.2
11	.460	.071	.301	.080	.748	2.36	6.62	15.1	11.6	23.4	2.22	1.1
12	.460	.060	.248	.060	.455	3.33	8.16	14.2	11.1	22.4	2.13	1.1
13	.391	.060	.223	.060	.426	3.58	18.0	14.1	10.8	22.5	2.09	1.05
14	.460	.053	.162	.060	.360	3.95	19.4	13.4	10.7	22.1	2.09	.973
15	.530	.047	.057	.057	.360	3.74	18.5	12.2	10.5	4.88	2.18	.747
16	.460	.047	.030	.053	.329	7.29	15.3	11.6	10.3	4.38	2.13	.747
17	.391	.047	.030	.053	6.36	7.14	13.0	11.4	9.87	4.22	2.00	.747
18	.391	.047	.025	.047	4.54	6.84	9.72	11.1	8.86	4.22	1.87	.67
19	.329	.047	.025	.047	4.61	6.40	16.7	12.5	7.75	4.06	1.83	.74
20	.329	.041	.025	.047	4.17	6.26	20.5	13.7	7.44	3.84	1.83	.82
21	.273	.041	.025	.041	3.53	5.83	25.8	13.9	9.18	3.69	1.83	.897
22	.273	.035	.021	.041	2.98	5.69	26.7	16.8	10.1	3.53	1.78	.973
23	.223	.035	.021	.071	1.56	5.48	+	16.8	14.0	3.23	1.66	.897
24	.180	.035	.100	.053	.822	5.08	+	16.4	15.0	3.08	1.66	.827
25	.180	.035	.426	.060	.747	4.88	+	16.3	15.3	3.38	1.61	.827
26	.180	.030	.361	.060	.674	4.61	29.1	16.2	15.0	3.90	1.53	.747
27	.180	.030	.146	.060	.674	4.49	19.4	15.7	14.7	3.69	1.49	.674
28	.180	.030	.066	.071	.711	4.17	17.4	15.9	14.4	3.43	1.45	.747
29	.143	=	.071	.060	.638	4.00	18.6	16.9	14.2	2.88	1.45	.747
30	.143	=	.060	.060	.602	3.90	21.5	16.3	14.0	2.55	1.41	.674
31	.143	=	*	=	.602	=	28.7	16.0	=	2.59	=	.602
MOY	.354	.065	*	.506	1.52	3.90	*	15.5	12.3	11.1	2.00	.965
			DEBIT MINI	0.021						DATE 1ERE OBSERVATION	22 MAR	
			DEBIT MAXI	?						DATE 1ERE OBSERVATION	23 JUL (H = 4,50m)	

IMPRIMERIE IJN EVRY