

RÉPUBLIQUE TOGOLAISE

MINISTÈRE DE L'ÉQUIPEMENT ET DES
POSTES ET TÉLÉCOMMUNICATIONS

DIRECTION DE L'HYDRAULIQUE
ET DE L'ÉNERGIE

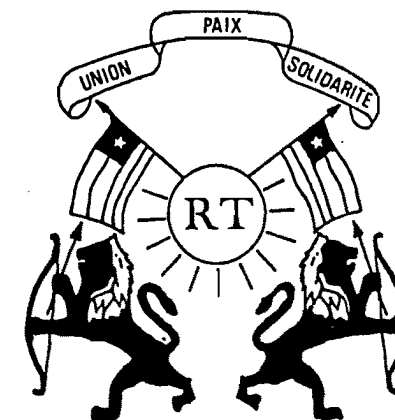
DIVISION DE L'HYDROLOGIE

ANNALES HYDROLOGIQUES DU TOGO

DE 1983 A 1987

Convention TOGO-ORSTOM

du 26.01.73



INSTITUT FRANÇAIS DE RECHERCHE SCIENTIFIQUE POUR LE DÉVELOPPEMENT EN COOPÉRATION

CENTRE O.R.S.T.O.M. DE LOMÉ (TOGO)

ORSTOM

Avril 1988

REPUBLIQUE TOGOLAISE

MINISTERE DE L'EQUIPEMENT ET DES
POSTES ET TELECOMMUNICATIONS

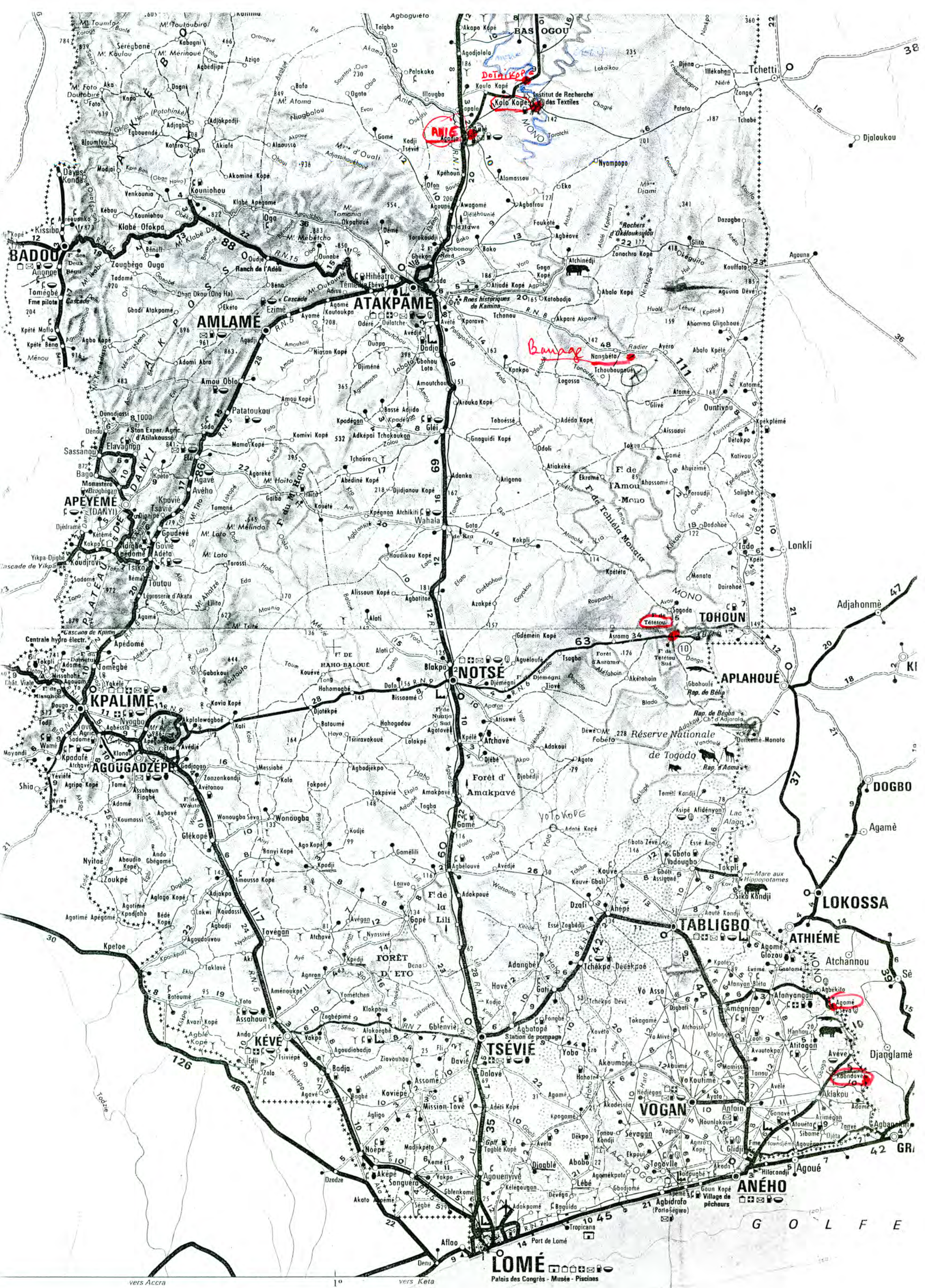
DIRECTION DE L'HYDRAULIQUE ET DE L'ENERGIE
DIVISION DE L'HYDROLOGIE

***ANNALES HYDROLOGIQUES
DU TOGO***

DE 1983 A 1987

*Institut Francais de Recherche Scientifique
pour le Developpement en Cooperation*

CENTRE ORSTOM DE LOME



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- stations équipées de limnigraphes
- ** stations équipées de limnigraphes télétransmetteurs

INTRODUCTION

On trouvera dans le présent annuaire les données disponibles sur la période 1983-1987, pour la quasi totalité des stations du réseau hydrométrique togolais.

Ces données figurent sous forme de débits moyens journaliers, ou de hauteurs moyennes journalières pour les stations non étalonnées.

L'ORSTOM et la Direction de l'Hydraulique et de l'Energie du Togo assurent conjointement la maintenance et le suivi d'étalonnage des stations. Actuellement, 18 d'entre elles sont équipées de limnigraphes, dont un de type CHLOE C où les données sont stockées directement sur mémoire statique. En outre, pour les besoins du programme de lutte contre l'onchocercose (OCP) de l'OMS, six de ces appareils sont adaptés au système Argos de télétransmission de données et peuvent être captés à la station de réception satellitaire de l'OCP à Kara.

L'ensemble du traitement informatique des données est effectué au centre ORSTOM de Lomé. Les chaînes de calcul actuellement utilisées diffèrent de celles utilisées pour les précédents annuaires, essentiellement sur les deux points suivants:

- les courbes d'étalonnage ne sont plus paramétrées par tronçons de paraboles mais par segments de droites.
- les débits moyens journaliers ne sont plus obtenus par moyenne arithmétique des relevés de débits instantanés de la journée, mais par intégration sur la journée de la courbe des débits instantanés (obtenue par interpolation linéaire entre les relevés).

Pour chaque station, on trouvera une liste de renseignements généraux (superficie du bassin versant, cadence des relevés etc.), des informations sur les jaugeages effectués à la station et sur le dernier étalonnage valide, un tableau donnant les débits moyens de chaque mois sans lacune depuis la création de la station, et les tableaux de débits moyens journaliers pour les années 1983 à 1987.

Pour les stations limnigraphiques, sauf mention contraire, les données de 1983 à 1987 sont relatives aux limnigrammes, les éventuelles lacunes étant comblées à partir des lectures d'échelle.

Les débits figurant dans cet annuaire sont des données brutes, sans reconstitution artificielle. Ils correspondent à des écoulements naturels, sauf pour les stations du Mono à l'aval de Ngamboto à partir de la mise en eau de la retenue, courant 1987.

GENERALITES

- superficie du bassin versant.....: 29.100 Km²
- coordonnées de la station: 10°50'N - 00°51'E
- cote du zero de l'échelle: 126.85 (IGN)
- amplitude de l'échelle: 0.50m à 10m
- accès.....: Piste MANGO, BORGOU
Accès difficile en hivernage.
- date de création: 30.01.1959
- cadence des relevés: 1 relevé par jour.

TARAGE

- nombre de jaugeages au 31.12.87: 73
- maximum jaugeé: H = 724 CM
Q = 562 M³/S
date : 28.09.1963
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 01.01.1983 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
- 0050	0.000	0160	32.20
- 0010	0.000	0190	43.30
- 0005	0.018	0220	55.50
0010	0.175	0260	73.50
0020	0.500	0300	94.60
0030	1.250	0350	127.0
0045	3.030	0400	165.0
0060	5.410	0500	259.0
0080	9.320	0600	372.0
0100	13.80	0700	502.0
0120	19.40	0800	648.0
0140	25.50	0900	810.0

REMARQUES

- pas de données en 1986.

STATION : 1472701103 MANDOURI

RIVIERE : OTI

PAYS : TOGO

BASSIN : VOLTA-OTI

DEBITS EN M3/S

LATIT. 10.50.30

LONGIT. 0.51.20

ALTIT. 127M

AIRE 29100.0 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1959	-	-	-	-	-	-	31.1	272.	-	-	-	-	-
1960	-	-	-	-	-	-	-	125.	-	-	-	-	-
1961	-	-	-	-	-	-	136.	152.	462.	173.	-	-	-
1962	-	-	-	-	-	-	-	362.	751.	-	77.3	-	-
1963	-	-	-	-	-	-	-	359.	-	-	82.3	15.6	-
1964	6.57	3.48	-	-	-	-	58.1	299.	640.	543.	153.	-	-
1965	-	-	-	.100	.106	4.07	26.3	100.	248.	169.	17.9	4.68	-
1966	-	.217	-	.126	.514	15.6	16.5	153.	333.	294.	162.	37.5	-
1967	-	-	.480	.189	.272	10.5	27.9	155.	386.	310.	45.6	10.2	-
1968	4.53	1.95	.539	-	7.97	58.6	189.	258.	379.	264.	58.5	14.5	-
1969	6.17	-	1.05	2.29	2.24	6.87	88.8	192.	710.	386.	104.	22.9	-
1970	8.50	3.88	1.86	-	1.88	3.39	23.8	282.	-	-	-	-	-
1971	-	-	.971	.426	3.43	-	-	-	-	-	13.5	-	-
1972	2.08	-	-	-	2.74	7.37	26.7	135.	299.	220.	24.6	-	-
1973	-	1.74	-	.961	-	7.10	23.9	345.	191.	87.3	12.3	3.63	-
1974	1.24	.341	-	-	1.32	3.48	73.5	497.	660.	381.	75.4	-	-
1975	-	-	-	-	-	3.63	-	-	-	-	-	10.0	-
1976	-	-	-	-	-	-	-	73.5	-	-	79.1	11.0	-
1977	-	-	-	-	.112	9.82	68.1	174.	322.	93.4	-	-	-
1978	-	-	-	-	-	-	153.	-	-	-	-	-	-
1979	-	-	-	-	-	-	-	-	322.	-	30.5	-	-
1980	-	-	-	-	-	5.55	16.8	140.	354.	119.	25.4	3.48	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	.000	.000	.000	-	-	52.9	82.1	41.7	.851	.000	-
1984	.000	.000	.000	.000	.000	20.1	11.3	44.7	53.5	32.4	2.92	.271	13.8
1985	-	.000	.000	.000	2.23	8.13	85.3	204.	213.	122.	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	1.15	-	-	-	-	-	25.3	112.	123.	33.2	-	1.15	-
MOY.	3.78	1.45	.619	.455	1.76	11.7	60.1	204.	363.	204.	56.8	10.4	13.8

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472701103 MANDOURI
 RIVIERE : OTI
 PAYS : TOGO
 BASSIN : VOLTA-OTI

LATIT. 10.50.30
 LONGIT. 0.51.20
 ALTIT. 127M
 AIRE 29100.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	.000	.000	.000	-	32.7	55.6	52.2	143.	5.89	.014	1
2	-	-	.000	.000	.000	-	30.5	57.8	56.6	125.	5.27	.000	2
3	-	-	.000	.000	.000	-	28.9	60.6	55.2	112.	4.36	.000	3
4	-	-	.000	.000	.000	-	27.2	63.0	55.7	96.4	3.71	.000	4
5	-	.010	.000	.000	.000	-	26.1	46.0	55.9	93.5	2.42	.000	5
6	-	.007	.000	.000	.000	-	29.7	41.5	47.0	92.5	1.02	.000	6
7	-	.003	.000	.000	.000	-	38.1	41.3	51.6	91.4	.462	.000	7
8	-	.000	.000	.000	.000	-	41.9	49.7	58.8	86.3	.206	.000	8
9	-	.000	.000	.000	.000	-	43.1	48.4	58.9	60.5	.124	.000	9
10	-	.000	.000	.000	.000	-	45.1	41.1	58.4	54.2	.091	.000	10
11	-	.000	.000	.000	.000	-	46.7	41.4	54.3	47.2	.113	.000	11
12	-	.000	.000	.000	.000	-	51.7	42.2	54.6	41.7	.086	.000	12
13	-	.000	.000	.000	.000	-	58.0	42.9	59.2	30.5	.082	.000	13
14	-	.000	.000	.000	.000	-	59.0	43.5	72.7	25.9	.090	.000	14
15	-	.000	.000	.000	.000	-	53.8	45.8	88.5	21.2	.091	.000	15
16	-	.000	.000	.000	.000	-	48.2	51.4	92.6	18.2	.091	.000	16
17	-	.000	.000	.000	.000	-	44.3	57.8	92.4	17.6	.091	.000	17
18	-	.000	.000	.000	.000	-	84.1	64.0	92.7	14.5	.091	.000	18
19	-	.000	.000	.000	.000	-	101.	66.8	86.1	14.0	.091	.000	19
20	-	.000	.000	.000	.000	-	112.	66.5	84.1	13.9	.091	.000	20
21	-	.000	.000	.000	.000	-	117.	53.9	82.9	13.0	.093	.000	21
22	-	.000	.000	.000	.000	-	119.	53.6	82.9	13.0	.101	.000	22
23	-	.000	.000	.000	.000	-	120.	54.1	93.2	11.4	.102	.000	23
24	-	.000	.000	.000	.000	-	114.	55.8	110.	10.0	.102	.000	24
25	-	.000	.000	.000	.000	-	92.1	58.8	113.	9.61	.102	.000	25
26	-	.000	.000	.000	.000	-	87.0	59.6	114.	8.40	.102	.000	26
27	-	.000	.000	.000	.000	39.2	-	58.2	117.	7.44	.103	.000	27
28	-	.000	.000	.000	.000	38.9	-	58.1	126.	6.87	.112	.000	28
29	-	.000	.000	.000	.000	38.5	-	55.4	151.	5.74	.113	.003	29
30	-	.000	.000	.000	.000	37.2	51.8	53.4	147.	4.27	.098	.003	30
31	-	.000	.000	.000	.000	54.1	51.7	3.95	.003	31			
MO	-	-	.000	.000	.000	-	-	52.9	82.1	41.7	.851	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 8 FEVR A 12H00
 MAXIMUM INSTANTANE : 156. M3/S LE 29 SEPT A 12H00

MINIMUM JOURNALIER : .000 M3/S LE 9 FEVR
 MAXIMUM JOURNALIER : 151. M3/S LE 29 SEPT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1472701103 MANDOURI
 RIVIERE : OTI
 PAYS : TOGO
 BASSIN : VOLTA-OTI

LATIT. 10.50.30
 LONGIT. 0.51.20
 ALTIT. 127M
 AIRE 29100.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	10.5	11.6	19.3	34.3	62.3	8.10	.631	1
2	.000	.000	.000	.000	.000	8.45	9.54	15.2	39.4	60.7	7.29	.577	2
3	.000	.000	.000	.000	.000	7.46	9.13	11.6	45.3	59.0	6.76	.554	3
4	.000	.000	.000	.000	.000	6.70	11.5	9.26	60.6	55.9	6.05	.493	4
5	.000	.000	.000	.000	.000	5.26	12.5	7.89	60.7	53.8	5.48	.460	5
6	.000	.000	.000	.000	.000	3.98	8.56	29.4	50.7	49.3	5.02	.436	6
7	.000	.000	.000	.000	.000	3.40	6.29	59.9	47.5	40.4	4.70	.426	7
8	.000	.000	.000	.000	.000	3.10	3.97	77.6	49.7	35.9	4.38	.404	8
9	.000	.000	.000	.000	.000	8.77	3.48	52.5	56.5	33.2	4.06	.394	9
10	.000	.000	.000	.000	.000	7.00	2.63	45.4	55.2	29.5	3.61	.371	10
11	.000	.000	.000	.000	.000	2.59	5.29	42.5	42.8	26.4	2.99	.361	11
12	.000	.000	.000	.000	.000	1.37	6.33	37.8	41.9	24.3	2.70	.321	12
13	.000	.000	.000	.000	.000	2.75	6.23	42.9	48.3	29.6	2.42	.266	13
14	.000	.000	.000	.000	.000	20.8	3.89	49.9	52.4	34.8	2.32	.233	14
15	.000	.000	.000	.000	.000	33.4	2.53	54.6	56.6	37.9	2.29	.200	15
16	.000	.000	.000	.000	.000	36.7	5.33	41.7	59.5	37.7	2.17	.177	16
17	.000	.000	.000	.000	.000	41.7	7.43	36.6	58.2	37.3	2.05	.176	17
18	.000	.000	.000	.000	.000	42.9	7.37	39.8	56.7	36.7	1.93	.173	18
19	.000	.000	.000	.000	.000	39.8	7.25	57.5	55.1	35.2	1.78	.163	19
20	.000	.000	.000	.000	.000	39.8	6.08	76.8	53.4	32.0	1.58	.155	20
21	.000	.000	.000	.000	.000	39.7	7.86	75.6	58.3	27.5	1.43	.155	21
22	.000	.000	.000	.000	.000	37.8	9.33	71.9	67.8	23.9	1.24	.152	22
23	.000	.000	.000	.000	.000	36.2	11.1	67.9	67.9	22.3	1.16	.144	23
24	.000	.000	.000	.000	.000	35.8	12.7	53.1	63.4	20.9	1.08	.141	24
25	.000	.000	.000	.000	.000	32.3	13.6	47.6	60.5	19.4	1.03	.134	25
26	.000	.000	.000	.000	.000	28.9	17.9	42.9	57.9	18.6	1.01	.131	26
27	.000	.000	.000	.000	.000	23.8	19.7	34.3	54.4	16.4	.910	.123	27
28	.000	.000	.000	.000	.000	18.1	24.0	40.2	51.5	13.5	.784	.120	28
29	.000	.000	.000	.000	.000	14.0	37.1	63.7	47.7	11.8	.727	.113	29
30	.000	.000	.000	.000	.000	11.7	35.7	45.7	52.2	10.7	.704	.110	30
31	.000	.000	.000	.000	.000	24.2	34.5	9.10	.102	31			
MO	.000	.000	.000	.000	.000	20.2	11.3	44.7	53.5	32.5	2.92	.271	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 84.1 M3/S LE 8 AOUT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 77.6 M3/S LE 8 AOUT

DEBIT MOYEN ANNUEL : 13.8 M3/S

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1985

STATION : 1472701103 MANDOURI
RIVIERE : OTI
PAYS : TOGO
BASSIN : VOLTA-OTI

LATIT. 10.50.30
LONGIT. 0.51.20
ALTIT. 127M
AIRE 29100.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.000	.000	.000	.000	.152	25.7	143.	219.	248.	9.03	-	1
2	-	.000	.000	.000	.000	.138	26.6	148.	221.	253.	9.44	-	2
3	-	.000	.000	.000	.000	.136	29.6	151.	213.	251.	9.83	-	3
4	-	.000	.000	.000	.000	.186	30.5	155.	193.	240.	10.1	-	4
5	-	.000	.000	.000	.000	.284	31.5	158.	185.	237.	10.6	-	5
6	-	.000	.000	.000	.000	.446	32.5	161.	153.	232.	11.0	-	6
7	-	.000	.000	.000	.132	.759	33.5	167.	100.	219.	10.9	-	7
8	-	.000	.000	.000	.462	1.19	34.5	176.	95.6	203.	10.3	-	8
9	-	.000	.000	.000	.626	.927	37.5	183.	94.1	188.	9.68	-	9
10	-	.000	.000	.000	1.02	.442	52.5	189.	109.	178.	9.33	-	10
11	-	.000	.000	.000	1.38	.275	80.9	198.	172.	174.	9.21	-	11
12	-	.000	.000	.000	1.91	.177	94.5	209.	234.	171.	8.83	-	12
13	-	.000	.000	.000	2.48	.160	100.	215.	239.	167.	8.44	-	13
14	.000	.000	.000	.000	2.73	.142	103.	223.	243.	164.	8.00	-	14
15	.000	.000	.000	.000	3.16	.134	103.	230.	247.	158.	7.47	-	15
16	.000	.000	.000	.000	3.88	.137	101.	235.	251.	144.	7.13	-	16
17	.000	.000	.000	.000	4.44	.150	100.	243.	253.	122.	6.81	-	17
18	.000	.000	.000	.000	5.32	.177	100.	248.	251.	99.2	6.30	-	18
19	.000	.000	.000	.000	5.87	.271	102.	251.	249.	69.9	5.96	-	19
20	.000	.000	.000	.000	6.77	8.80	104.	254.	244.	48.7	5.75	-	20
21	.000	.000	.000	.000	7.51	27.6	106.	256.	239.	32.5	5.51	-	21
22	.000	.000	.000	.000	8.21	20.9	109.	256.	232.	30.5	5.22	-	22
23	.000	.000	.000	.000	6.94	10.8	111.	234.	223.	28.4	5.10	-	23
24	.000	.000	.000	.000	2.08	7.78	114.	196.	223.	25.6	5.00	-	24
25	.000	.000	.000	.000	1.50	9.83	117.	202.	245.	25.3	4.70	-	25
26	.000	.000	.000	.000	1.13	18.0	118.	204.	249.	21.5	4.43	-	26
27	.000	.000	.000	.000	.812	35.4	121.	206.	252.	12.7	4.22	-	27
28	.000	.000	.000	.000	.378	36.8	125.	209.	254.	11.4	-	-	28
29	.000	.000	.000	.000	.184	32.5	129.	211.	255.	10.3	-	-	29
30	.000	.000	.000	.000	.173	29.4	134.	213.	250.	9.30	-	-	30
31	.000	.000	.000	.000	.163	138.	216.	216.	216.	8.68	-	-	31
MO	-	.000	.000	.000	2.23	8.14	85.3	204.	213.	122.	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 14 JANV A 06H00
MAXIMUM INSTANTANE : 258. M3/S LE 22 AOUT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 14 JANV
MAXIMUM JOURNALIER : 256. M3/S LE 21 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1967

STATION : 1472701103 MANDOURI
RIVIERE : OTI
PAYS : TOGO
BASSIN : VOLTA-OTI
DEBITS EN M3/S

LATIT. 10.50.30
LONGIT. 0.51.20
ALTIT. 127M
AIRE 29100.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	2.03	-	-	-	-	-	24.2	90.8	142.	77.4	-	2.64	1
2	1.96	-	-	-	-	-	25.3	96.1	171.	75.2	-	2.56	2
3	1.96	-	-	-	-	-	18.3	88.2	183.	71.3	-	2.46	3
4	1.93	-	-	-	-	38.6	15.9	113.	180.	66.2	-	2.18	4
5	1.84	-	-	-	-	36.0	11.0	119.	145.	60.0	-	2.05	5
6	1.81	-	-	-	-	37.3	3.99	110.	119.	51.7	-	1.93	6
7	1.73	-	-	-	-	35.5	13.5	83.0	115.	44.2	-	1.81	7
8	1.70	-	-	-	-	25.4	40.7	77.7	112.	43.8	-	1.70	8
9	1.61	-	-	-	-	3.17	50.8	77.9	108.	40.8	-	1.58	9
10	1.58	-	-	-	-	1.81	52.6	80.2	104.	40.7	-	1.46	10
11	1.49	-	-	-	-	1.11	48.1	81.1	98.7	38.3	-	1.32	11
12	1.46	-	-	-	-	1.77	37.6	80.6	100.	36.0	-	1.16	12
13	1.34	-	-	-	-	3.50	28.3	81.2	102.	32.7	3.67	1.08	13
14	1.23	-	-	-	-	3.27	30.7	82.0	105.	29.5	3.67	1.01	14
15	1.18	-	-	-	-	14.7	26.4	88.5	120.	29.5	3.67	.975	15
16	1.16	-	-	-	-	43.7	16.8	102.	160.	26.5	3.67	1.01	16
17	1.08	-	-	-	-	34.2	11.1	98.2	180.	23.0	3.63	.931	17
18	1.01	-	-	-	-	5.00	3.94	95.2	165.	20.1	3.52	.856	18
19	.931	-	-	-	-	3.63	3.52	99.2	143.	21.4	3.51	.802	19
20	.856	-	-	-	-	3.43	3.56	113.	136.	21.0	3.47	.779	20
21	.781	-	-	-	-	3.16	3.67	118.	123.	18.1	3.36	.706	21
22	.727	-	-	-	-	2.97	6.91	118.	117.	17.9	3.31	.631	22
23	.704	-	-	-	-	2.80	17.3	124.	115.	17.6	3.20	.577	23
24	.631	-	-	-	-	3.04	24.9	141.	119.	17.4	3.15	.545	24
25	.577	-	-	-	-	3.64	28.9	154.	116.	17.2	3.04	.462	25
26	.545	-	-	-	-	3.67	32.2	184.	105.	17.0	3.00	.436	26
27	.462	-	-	-	-	12.2	35.3	191.	94.8	16.6	2.91	.426	27
28	.427	-	-	-	-	32.3	36.1	169.	79.6	15.8	2.88	.395	28
29	.377	-	-	-	-	30.0	37.7	158.	72.2	13.9	2.79	.362	29
30	.291	-	-	-	-	25.5	40.8	142.	71.7	13.8	2.76	.339	30
31	.243	-	-	-	-	54.5	127.	127.	127.	13.8	-	.338	31
MO	1.15	-	-	-	-	-	25.3	112.	123.	33.2	-	1.15	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .241 M3/S LE 31 JANV A 06H00
MAXIMUM INSTANTANE : 199. M3/S LE 27 AOUT A 06H00

MINIMUM JOURNALIER : .243 M3/S LE 31 JANV
MAXIMUM JOURNALIER : 191. M3/S LE 27 AOUT

GENERALITES

- superficie du bassin versant.....: 35.650 Km²
- coordonnées de la station: 10°18'N - 00°28'E
- cote du zero de l'échelle: 108.05m (IGN)
- amplitude de l'échelle: -1.00 à 12.00m
- accès: Ancien pont de la route
KANTE-MANGO.
Accès facile en hivernage
- date de création: 02.04.1955
- cadence des relevés: 1 relevé par jour.
Limnigrammes depuis 01.01.84
Balise Argos depuis Juin 1984

TARAGE

- nombre de jaugeages au 31.12.87: 207
- maximum jaugé: H = 1000 CM
Q = 1320 M³/S
date : 06.10.1957
- nombre de tarages entre 1983 et 1987: 02
- dernier étalonnage utilisé :
valide du 21.07.1983 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-035	00000	160	37.00
-030	00000	180	45.10
-025	00000	200	54.10
-020	0.010	225	66.40
-015	0.050	250	80.00
-010	0.140	275	93.90
-005	0.283	300	108.0
-000	0.499	325	123.0
+005	0.769	350	139.0
+010	1.110	375	154.0
+015	1.510	400	171.0
+020	2.050	450	204.0
+030	3.340	500	240.0
+040	4.800	550	277.0
+050	6.440	600	320.0
+060	8.260	680	405.0
+070	10.30	800	560.0
+080	12.40	860	660.0
+090	14.80	900	760.0
+100	17.40	940	925.0
+120	23.10	1000	1280.0
+140	29.60	1100	1970.0

REMARQUE

- débits relatifs aux limnigrammes, complètes par des lectures d'échelle.

STATION : 1472701106 SANSANNE MANGO
RIVIERE : OTI
PAYS : TOGO
BASSIN : VOLTA
DEBITS EN M3/S

LATIT. 10.18.00
LONGIT. 0.28.00
ALTIT. 108M
AIRE 35650.0 KM2

ANNEE	JANV	FEBR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1953	-	-	-	-	-	156.	96.4	258.	958.	585.	87.3	-	-
1954	-	-	-	-	-	-	-	107.	418.	271.	57.0	-	-
1955	-	-	-	-	1.78	10.3	122.	817.	1150.	735.	115.	15.9	-
1956	7.21	4.43	1.95	1.86	1.13	19.7	58.5	198.	551.	344.	29.8	8.34	102.
1957	3.96	1.52	.983	.669	11.5	78.2	80.5	382.	1230.	864.	115.	21.9	233.
1958	9.72	6.84	4.19	2.07	3.66	11.9	8.10	122.	356.	149.	11.4	1.57	57.2
1959	2.85	1.91	1.14	.489	.474	8.97	64.4	246.	895.	567.	32.8	6.72	152.
1960	2.93	1.50	-	.649	1.66	10.9	43.7	133.	536.	748.	61.1	8.77	-
1961	3.43	1.76	1.00	.607	.697	3.67	106.	-	568.	263.	16.2	5.07	-
1962	2.26	1.19	.665	.400	1.23	12.4	108.	399.	1250.	-	-	15.9	-
1963	-	3.35	2.20	-	-	-	-	-	869.	-	-	19.4	-
1964	-	-	-	-	-	-	-	342.	-	-	-	-	-
1965	5.14	3.24	1.60	.753	.763	7.21	36.5	164.	347.	188.	25.8	9.05	65.8
1966	3.35	1.21	.515	-	2.10	20.9	20.3	174.	377.	351.	75.2	14.9	-
1967	5.97	2.28	.970	.553	.968	-	-	247.	509.	405.	60.5	-	-
1968	6.39	2.85	1.07	-	6.73	-	294.	476.	528.	351.	-	-	-
1969	6.47	-	-	-	-	-	89.3	-	1020.	563.	120.	-	-
1970	-	5.56	-	1.14	5.41	-	-	297.	1030.	-	-	-	-
1971	-	4.52	1.86	-	3.94	-	-	358.	666.	183.	-	-	-
1972	-	-	-	-	2.89	4.78	30.7	-	-	-	-	-	-
1973	-	-	1.37	-	-	-	28.2	-	-	108.	-	-	-
1974	2.15	1.07	.632	-	2.34	-	53.1	441.	840.	599.	70.0	9.63	-
1975	4.15	2.37	1.31	.917	4.57	6.30	-	245.	456.	457.	72.9	-	-
1976	-	-	1.33	-	-	-	-	129.	158.	147.	-	-	-
1977	5.16	2.59	1.08	.581	-	6.04	51.8	236.	484.	113.	-	3.82	-
1978	-	-	.642	-	-	-	-	108.	273.	112.	21.2	6.77	-
1979	-	1.36	.574	.387	11.1	-	-	310.	693.	237.	41.5	-	-
1980	-	1.65	-	-	3.38	-	18.1	-	621.	-	-	-	-
1981	-	1.02	.497	.551	-	26.0	-	234.	-	92.1	11.6	-	-
1982	-	-	-	-	-	16.7	40.8	115.	439.	-	-	-	-
1983	-	.684	-	-	-	-	81.9	101.	241.	-	-	-	-
1984	.601	.204	.171	1.18	1.41	27.7	12.2	54.8	99.0	55.9	6.10	1.41	21.7
1985	.387	.166	.039	.031	1.85	5.89	97.6	266.	309.	156.	12.5	4.00	71.1
1986	1.41	.509	.245	.084	.840	10.0	46.4	167.	246.	76.3	16.1	5.10	47.5
1987	1.83	.777	.357	.221	.108	8.37	37.1	161.	297.	96.9	8.89	2.12	51.2
MOY.	3.97	2.18	1.10	.730	3.07	22.6	67.7	251.	594.	326.	40.5	8.91	89.1

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472701106 SANSANNE MANGO LATIT. 10.18.00
 RIVIERE : OTI LONGIT. 0.28.00
 PAYS : TOGO ALTIT. 108M
 BASSIN : VOLTA AIRE 35650.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	3.21	.916	.371	2.62	-	4.04	41.2	101.	184.	220.	11.2	3.08	1
2	3.02	.914	.371	1.98	.070	3.63	33.9	126.	186.	209.	10.4	3.04	2
3	2.90	.914	.371	1.02	.064	3.36	27.9	121.	193.	195.	9.94	2.92	3
4	2.81	.894	.356	.733	.049	3.41	24.7	95.7	201.	182.	9.39	2.79	4
5	2.74	.844	.321	.551	.043	3.47	23.6	74.7	214.	167.	8.98	2.67	5
6	2.58	.842	-	.452	.031	3.93	21.5	66.4	221.	151.	8.57	2.54	6
7	-	.842	.275	.360	.027	4.15	20.2	63.6	211.	137.	8.17	2.41	7
8	2.40	.826	.275	.321	.017	-	19.9	63.2	191.	123.	7.81	2.31	8
9	2.30	.787	.275	.348	.014	3.21	21.1	65.4	166.	110.	7.44	2.27	9
10	2.21	.785	.262	.436	.007	3.06	24.5	72.2	146.	96.6	7.13	2.15	10
11	2.18	.785	.231	.478	.007	3.24	34.3	91.9	141.	84.9	6.89	2.05	11
12	2.09	.769	.230	.457	.007	4.59	65.8	112.	157.	73.7	6.58	2.02	12
13	-	.730	.230	.410	.007	6.66	88.9	119.	176.	64.1	6.35	1.91	13
14	1.87	.728	-	.373	-	6.44	90.1	116.	220.	56.1	6.08	1.81	14
15	1.84	.712	-	.371	.085	5.92	100.	121.	300.	47.9	5.91	1.73	15
16	1.77	.657	-	-	.059	5.09	108.	124.	354.	41.9	5.74	1.73	16
17	1.74	.616	.193	.257	.032	4.62	127.	111.	356.	36.1	5.53	1.70	17
18	1.64	.614	-	.221	.031	4.61	175.	100.	351.	33.0	5.21	1.59	18
19	1.54	.601	.155	.183	.027	5.15	181.	95.1	331.	-	4.93	1.51	19
20	1.47	.558	.155	.156	.017	9.66	179.	93.2	303.	25.2	4.76	1.49	20
21	1.45	.526	.155	.146	.017	24.6	154.	92.6	284.	22.9	4.57	1.43	21
22	1.39	.525	.155	.124	.020	33.6	134.	91.6	276.	21.0	4.37	1.41	22
23	1.36	.525	.155	-	.086	37.1	116.	88.0	277.	19.3	4.36	1.35	23
24	1.28	.512	-	.095	.263	-	106.	82.4	276.	17.8	-	1.35	24
25	1.20	.481	.155	.088	1.05	-	101.	80.5	269.	16.8	3.86	-	25
26	1.11	.464	.155	.070	4.38	55.0	102.	80.3	264.	15.8	3.74	1.24	26
27	1.06	.410	-	-	8.34	54.6	105.	83.7	261.	14.6	3.60	1.17	27
28	1.06	.373	.123	.061	8.18	56.9	91.7	101.	252.	13.6	3.45	1.11	28
29	1.04	.143	.049	-	60.1	76.2	139.	241.	13.0	3.31	1.09	29	
30	.988	.191	.049	4.78	52.4	68.9	173.	231.	12.4	3.18	1.04	30	
31	.966	-	-	4.19	77.1	185.	-	-	11.7	-	1.04	31	
MO	-	.684	-	-	-	-	81.9	101.	241.	-	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .007 M3/S LE 10 MAI A 06H00
 MAXIMUM INSTANTANE : 357. M3/S LE 16 SEPT A 06H00

MINIMUM JOURNALIER : .007 M3/S LE 11 MAI
 MAXIMUM JOURNALIER : 356. M3/S LE 17 SEPT

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472701106 MANGO LATIT. 10.18.00
 RIVIERE : OTI LONGIT. 0.28.00
 PAYS : TOGO ALTIT. 108 M
 BASSIN : VOLTA AIRE 35650 KM2
 DEBITS EN M3/S

J	JANV	FEUR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	1.03	.323	.105	.104	.957	10.9	16.3	26.5	74.5	121.	13.1	2.62	1
2	.974	.305	.104	.072	.603	10.2	14.8	23.9	79.3	117.	12.1	2.48	2
3	.914	.286	.104	.052	.375	15.9	13.7	21.7	78.8	106.	11.2	2.34	3
4	.897	.283	.104	.050	.266	16.3	13.7	19.8	83.6	102.	10.3	2.18	4
5	.837	.279	.104	.046	.212	23.3	15.3	19.0	83.5	99.3	9.52	2.00	5
6	.778	.258	.098	.042	.186	34.5	15.6	18.9	80.4	89.9	8.67	1.87	6
7	.769	.251	.086	.038	.159	32.5	14.4	19.9	75.0	79.0	7.94	1.75	7
8	.762	.230	.101	.026	.131	24.2	12.9	27.1	75.1	70.5	7.32	1.68	8
9	.722	.226	.209	.160	.113	21.4	11.7	64.5	81.6	63.9	6.77	1.62	9
10	.708	.226	.220	.300	.111	27.9	10.1	74.9	87.1	59.3	6.62	1.57	10
11	.668	.226	.252	.212	.119	21.8	9.24	64.6	82.5	57.7	6.39	1.51	11
12	.661	.226	.223	.164	.109	15.7	10.4	56.5	75.6	60.1	6.17	1.47	12
13	.654	.226	.257	.133	.095	12.5	9.71	54.8	75.4	62.0	5.92	1.43	13
14	.607	.222	.183	.118	.077	11.8	8.36	58.0	86.5	62.3	5.70	1.43	14
15	.560	.201	.219	.117	.124	12.9	7.68	61.1	100.	62.1	5.54	1.39	15
16	.546	.197	.301	.140	.397	25.9	7.58	72.5	108.	58.6	5.29	1.31	16
17	.506	.197	.326	.124	.469	49.1	6.46	68.8	101.	52.6	5.05	1.27	17
18	.499	.194	.310	.124	.340	51.5	5.40	54.6	100.	49.5	4.88	1.27	18
19	.499	.173	.267	.140	.236	45.9	5.46	45.4	98.8	47.1	4.73	1.23	19
20	.499	.165	.198	.137	.154	43.7	6.67	45.8	94.1	43.7	4.51	1.19	20
21	.499	.144	.193	.180	1.01	40.4	7.43	67.5	96.4	39.0	4.29	1.15	21
22	.494	.140	.181	2.32	3.03	38.1	7.17	88.1	123.	34.8	4.15	1.11	22
23	.461	.140	.169	6.75	2.89	36.5	6.94	96.5	143.	31.1	3.94	1.08	23
24	.451	.140	.156	3.55	2.54	35.1	7.05	102.	149.	28.1	3.80	1.01	24
25	.418	.140	.144	1.41	1.97	34.0	10.2	91.9	149.	25.9	3.61	.940	25
26	.413	.140	.133	1.59	1.78	34.1	14.0	74.7	139.	23.7	3.42	.905	26
27	.408	.138	.123	4.93	2.85	33.5	18.4	60.5	120.	21.6	3.26	.871	27
28	.375	.124	.114	7.52	5.34	29.1	23.6	57.5	108.	19.2	3.11	.803	28
29	.364	.122	.107	3.22	4.54	23.8	21.2	53.4	107.	16.8	2.98	.769	29
30	.331		.104	1.52	4.44	19.2	20.2	49.8	115.	15.4	2.80	.742	30
31	.326		.104		8.24		25.4	60.0		14.2		.715	31
MO	.601	.204	.171	1.18	1.41	27.7	12.2	54.8	99.0	55.9	6.10	1.41	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE COMPLETE

MINIMUM INSTANTANE : .018 M3/S LE 09/04 A 00H00
 MAXIMUM INSTANTANE : 150. M3/S LE 24/09 A 20H00

MINIMUM JOURNALIER : .026 M3/S LE 08/04
 MAXIMUM JOURNALIER : 149. M3/S LE 24/09

DEBIT MOYEN ANNUEL : 21.7 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472701106 MANGO
 RIVIERE : OTI
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.18.00
 LONGIT. 0.28.00
 ALTIT. 108 M
 AIRE 35650 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J	
1	.595	.244	.083	.020	.015	2.22	46.1	106.	255.	276.	23.1	6.38	1	
2	.572	.238	.077	.019	.014	2.19	39.0	136.	248.	270.	21.6	6.19	2	
3	.548	.232	.071	.018	.013	1.75	29.1	171.	252.	269.	20.3	5.99	3	
4	.524	.226	.066	.069	.012	1.47	39.0	192.	250.	283.	19.1	5.79	4	
5	.501	.221	.060	.078	.012	1.30	65.1	208.	259.	298.	18.0	5.59	5	
6	.477	.215	.054	.069	.011	1.16	82.3	229.	279.	303.	17.0	5.40	6	
7	.456	.209	.049	.048	.010	1.14	84.8	252.	304.	299.	16.2	5.20	7	
8	.446	.203	.043	.043	.009	1.35	71.7	275.	315.	284.	15.5	5.00	8	
9	.438	.198	.041	.038	.008	1.54	56.8	294.	320.	265.	14.7	4.80	9	
10	.429	.192	.040	.034	.007	1.44	74.7	309.	336.	246.	14.1	4.62	10	
11	.420	.186	.039	.033	.006	1.38	101.	322.	345.	226.	13.6	4.49	11	
12	.412	.181	.038	.032	.005	1.14	113.	317.	336.	210.	13.0	4.36	12	
13	.403	.175	.037	.031	.005	1.05	101.	307.	325.	202.	12.4	4.22	13	
14	.394	.169	.036	.030	.004	1.49	86.1	308.	317.	190.	12.0	4.09	14	
15	.386	.163	.035	.029	.004	2.20	71.0	332.	318.	178.	11.6	3.96	15	
16	.377	.158	.035	.028	.004	2.18	67.5	338.	323.	162.	11.3	3.83	16	
17	.368	.152	.034	.027	.004	2.02	94.3	342.	340.	141.	10.9	3.70	17	
18	.360	.146	.033	.026	.004	1.83	111.	352.	356.	117.	10.5	3.57	18	
19	.351	.141	.032	.026	.004	1.64	114.	351.	367.	96.0	10.2	3.44	19	
20	.342	.135	.031	.025	.004	1.52	137.	336.	363.	79.3	9.90	3.32	20	
21	.334	.129	.030	.024	.004	1.49	164.	311.	356.	66.4	9.49	3.21	21	
22	.325	.123	.029	.023	.004	1.41	178.	288.	344.	56.5	9.08	3.11	22	
23	.316	.118	.028	.022	.003	1.25	171.	266.	335.	49.1	8.77	3.01	23	
24	.308	.112	.027	.021	.003	1.46	23.1	156.	323.	43.8	8.47	2.90	24	
25	.299	.106	.026	.020	.002	10.2	17.3	139.	306.	39.7	8.08	2.80	25	
26	.290	.100	.026	.019	.002	7.27	12.5	124.	209.	291.	36.3	7.72	2.70	26
27	.282	.094	.025	.019	.002	5.50	9.92	117.	216.	281.	33.3	7.35	2.59	27
28	.273	.089	.024	.018	.002	4.39	9.29	106.	236.	275.	30.5	7.06	2.49	28
29	.264	.083	.023	.017	.002	3.50	20.1	102.	254.	276.	28.3	6.78	2.39	29
30	.256	.077	.022	.016	.002	2.83	37.0	94.1	265.	279.	26.4	6.44	2.40	30
31	.249	.071	.021	.015	.002	2.31	91.3	266.		24.6		2.31	31	
MO	.387	.166	.039	.031	1.85	5.89	97.6	266.	309.	156.	12.5	4.00	MO	

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .004 M3/S LE 14/05 A 16H10
 MAXIMUM INSTANTANE : 368. M3/S LE 19/09 A 13H00

MINIMUM JOURNALIER : .004 M3/S LE 15/05
 MAXIMUM JOURNALIER : 367. M3/S LE 19/09

DEBIT MOYEN ANNUEL : 71.5 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472701106 MANGO
 RIVIERE : OTI
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.18.00
 LONGIT. 0.28.00
 ALTIT. 108 M
 AIRE 35650 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	2.18	.854	.315	.117	.026	12.6	14.7	148.	192.	153.	20.2	8.27	1
2	2.15	.823	.311	.111	.024	10.7	14.4	167.	213.	146.	22.6	8.16	2
3	2.06	.792	.306	.104	.022	7.66	17.1	165.	250.	142.	24.9	7.81	3
4	2.02	.761	.302	.095	.020	6.03	46.0	174.	254.	138.	24.5	7.49	4
5	1.94	.730	.297	.085	.018	4.89	64.7	188.	275.	136.	22.6	7.25	5
6	1.91	.699	.293	.075	.015	3.91	65.7	192.	295.	132.	22.4	6.95	6
7	1.81	.668	.288	.068	.012	3.39	69.3	181.	298.	134.	20.8	6.70	7
8	1.73	.637	.283	.068	.010	2.63	58.8	172.	299.	140.	18.8	6.41	8
9	1.70	.606	.279	.071	.010	4.65	42.8	179.	309.	128.	17.8	6.19	9
10	1.60	.580	.274	.128	.010	13.4	31.4	175.	331.	117.	16.5	5.91	10
11	1.51	.554	.270	.180	.010	12.2	26.8	165.	350.	112.	16.0	5.74	11
12	1.51	.529	.265	.196	.010	8.96	28.3	151.	344.	104.	16.9	5.58	12
13	1.49	.503	.261	.175	.010	5.86	31.7	152.	311.	94.6	17.5	5.42	13
14	1.41	.477	.256	.130	.014	4.90	31.8	168.	276.	83.7	16.8	5.25	14
15	1.33	.452	.251	.108	.022	3.97	29.9	173.	256.	71.6	16.8	5.09	15
16	1.27	.426	.247	.103	.029	3.07	28.0	167.	253.	60.0	16.9	4.88	16
17	1.25	.401	.242	.091	.034	2.32	28.2	159.	257.	51.2	17.0	4.62	17
18	1.19	.376	.238	.081	.034	11.8	25.0	166.	256.	44.5	16.5	4.47	18
19	1.19	.364	.233	.073	.040	18.9	23.9	170.	240.	40.2	15.8	4.33	19
20	1.19	.358	.229	.066	.048	15.5	25.7	165.	221.	37.4	14.5	4.18	20
21	1.17	.352	.224	.058	.048	23.1	25.2	153.	205.	35.8	13.4	4.03	21
22	1.11	.346	.219	.050	.041	21.4	23.8	147.	214.	34.1	12.5	3.89	22
23	1.09	.340	.215	.042	.034	13.1	29.4	142.	214.	32.8	11.7	3.74	23
24	1.04	.334	.210	.040	.034	8.53	53.3	136.	199.	30.9	11.1	3.60	24
25	1.02	.328	.206	.038	.034	11.1	59.5	149.	186.	28.6	10.6	3.49	25
26	1.04	.326	.201	.036	.031	15.4	71.5	182.	181.	27.7	10.2	3.45	26
27	1.01	.324	.197	.034	.031	15.9	86.2	191.	183.	24.7	9.78	3.31	27
28	.978	.320	.197	.032	.031	12.5	88.7	184.	179.	22.5	9.37	3.18	28
29	.947	.316	.195	.030	.031	11.1	86.1	175.	170.	21.4	8.96	3.05	29
30	.916	.312	.166	.028	.031	11.9	91.6	168.	160.	21.6	8.55	2.92	30
31	.885	.308	.130	.026	.031	7.33	119.	177.		20.5		2.82	31
MO	1.41	.509	.245	.084	.040	10.0	46.4	167.	246.	76.3	16.1	5.10	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .010 M3/S LE 08/05 A 08H00
 MAXIMUM INSTANTANE : 354. M3/S LE 11/09 A 23H00

MINIMUM JOURNALIER : .010 M3/S LE 09/05
 MAXIMUM JOURNALIER : 350. M3/S LE 11/09

DEBIT MOYEN ANNUEL : 47.5 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472701106 MANGO LATIT. 10.18.00
 RIVIERE : OTI LONGIT. 0.28.00
 PAYS : TOGO ALTIT. 108 M
 BASSIN : VOLTA AIRE 35650 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	2.70	1.04	.457	.368	.122	.136	35.7	61.3	261.	214.	18.8	3.61	1
2	2.62	1.04	.456	.347	.122	.123	30.9	76.4	272.	199.	17.9	3.48	2
3	2.57	1.00	.431	.326	.122	.122	37.7	102.	289.	185.	17.1	3.40	3
4	2.49	.974	.413	.326	.122	.277	40.2	118.	309.	179.	16.2	3.31	4
5	2.44	.974	.413	.326	.122	.980	36.5	110.	331.	178.	15.1	3.18	5
6	2.44	.934	.413	.304	.122	1.08	30.2	106.	357.	173.	14.0	3.05	6
7	2.37	.905	.413	.283	.122	.762	25.4	123.	373.	160.	13.0	2.92	7
8	2.31	.905	.388	.283	.122	12.6	22.1	128.	371.	146.	12.1	2.81	8
9	2.23	.905	.369	.268	.122	27.8	21.0	116.	357.	134.	11.3	2.75	9
10	2.10	.866	.369	.254	.122	22.1	25.4	120.	352.	123.	10.6	2.67	10
11	2.05	.837	.369	.254	.112	15.2	25.8	137.	363.	115.	10.0	2.54	11
12	1.99	.798	.369	.239	.104	10.5	46.6	150.	351.	116.	9.38	2.43	12
13	1.94	.769	.345	.226	.104	7.25	62.4	147.	324.	123.	8.77	2.36	13
14	1.88	.769	.326	.226	.104	4.96	50.4	146.	302.	118.	8.19	2.28	14
15	1.83	.769	.326	.210	.104	3.45	37.2	160.	297.	106.	7.73	2.15	15
16	1.77	.738	.326	.197	.104	2.53	31.2	169.	306.	95.5	7.27	2.03	16
17	1.70	.715	.326	.197	.094	2.11	33.1	173.	322.	82.8	6.82	1.92	17
18	1.64	.715	.302	.197	.086	1.95	34.0	175.	335.	73.0	6.41	1.81	18
19	1.62	.684	.314	.197	.086	1.76	37.6	174.	344.	64.8	6.15	1.70	19
20	1.56	.661	.368	.182	.086	17.1	33.4	168.	335.	57.2	5.87	1.61	20
21	1.51	.661	.369	.169	.086	17.6	31.8	151.	310.	50.4	5.47	1.55	21
22	1.46	.661	.345	.169	.086	12.5	40.8	133.	281.	45.1	5.10	1.49	22
23	1.43	.630	.326	.153	.086	9.07	41.3	138.	253.	40.6	4.85	1.41	23
24	1.38	.607	.326	.140	.086	6.71	36.2	173.	229.	36.4	4.62	1.34	24
25	1.35	.607	.326	.138	.086	5.87	35.1	209.	211.	32.9	4.40	1.30	25
26	1.30	.580	.301	.136	.086	5.28	34.5	236.	198.	29.9	4.20	1.25	26
27	1.27	.533	.283	.133	.086	6.72	32.0	255.	196.	28.1	4.05	1.17	27
28	1.27	.487	.283	.130	.086	7.44	39.3	264.	215.	26.8	3.91	1.10	28
29	1.22		.326	.128	.124	11.2	48.4	265.	228.	25.4	3.84	1.07	29
30	1.15		.347	.125	.186	36.0	56.7	259.	225.	24.1	3.75	1.03	30
31	1.08		.341		.161		56.9	256.		21.9		.993	31
MO	1.83	.777	.357	.221	.108	8.37	37.1	161.	297.	96.9	8.89	2.12	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE COMPLETE

MINIMUM INSTANTANE : .086 M3/S LE 17/05 A 22H40

MAXIMUM INSTANTANE : 375. M3/S LE 07/09 A 17H25

MINIMUM JOURNALIER : .086 M3/S LE 18/05

MAXIMUM JOURNALIER : 373. M3/S LE 07/09

DEBIT MOYEN ANNUEL : 51.3 M3/S

DAYE A DZOGBEGAN

N° 1472701405

GENERALITES

- superficie du bassin versant.....: 52 Km²
- coordonnées de la station: 07°15'N - 00°41'E
- cote du zero de l'échelle: 720m (IGN) environ
- amplitude de l'échelle: 0.00 à 5.00m
- accès: Route de DZOGBEGAN-AHLONBOGO
- date de création: 20.04.1962
- cadence des relevés: 1 relevé par jour
limnigrammes depuis 20.04.62

TARAGE

- nombre de jaugeages au 31.12.87: 167
- maximum jaugé: H = 252-195 CM
Q = 20.3 M³/S
date : 17.09.1965
- nombre de tarages entre 1983 et 1987: 01
- dernier étalonnage utilisé :
valide du 18.06.1982 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-040	0.000	032	1.150
-015	0.000	036	1.390
-014	0.002	042	1.790
-010	0.013	048	2.200
-004	0.040	050	3.040
000	0.065	072	3.920
004	0.107	090	5.290
008	0.181	120	7.780
012	0.284	150	10.80
016	0.410	180	14.30
020	0.560	230	21.40
024	0.732	300	33.70
028	0.927	380	50.20
		430	62.00

REMARQUE

- débits relatifs aux limnigrammes, complétés par des lectures d'échelle.

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1472701405 DZOGBEGAN

RIVIERE : DAYE

PAYS : TOGO

BASSIN : VOLTA

DEBITS EN M³/S

LATIT. 7.14.30

LONGIT. 0.40.15

ALIT. 720M

AIRE 52.0000 KM2

ANNEE	JANV	FEV	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1963	-	.358	.569	.366	.479	.793	2.39	3.15	4.57	4.73	1.98	.908	-
1964	.526	.306	.242	.243	.214	1.16	.817	.718	1.44	.908	.264	.163	.583
1965	.110	.106	.100	.226	.141	.890	2.23	1.52	2.15	1.55	.719	.365	.842
1966	.197	.110	.107	-	.272	.911	1.24	2.85	2.40	2.42	1.20	.655	-
1967	.374	.291	.205	.405	.342	.631	.800	1.01	1.58	1.67	.890	.645	.737
1968	.464	.388	.407	.556	.615	1.75	1.74	3.08	2.63	2.11	1.15	.754	1.30
1969	.514	.383	.413	.583	.397	.500	.917	1.25	1.66	1.98	1.25	.578	.869
1970	.363	.258	.265	.258	.323	.337	.307	.281	.465	.627	.409	.216	.342
1971	.146	.122	.137	.171	.155	.247	.580	.922	1.66	1.02	.483	.295	.495
1972	.177	.184	.154	.238	.276	.480	1.01	1.29	1.56	1.61	1.04	.410	.702
1973	.201	.140	.143	.160	.147	.161	.295	1.49	1.82	1.34	.572	.314	.565
1974	.177	.111	.168	.289	.242	.502	.769	.993	2.74	2.21	1.02	.478	.808
1975	.237	.214	.205	.216	.269	.561	1.17	1.63	1.90	2.05	1.13	.677	.855
1976	.419	.295	.242	.228	.377	.883	.718	.714	.736	1.36	1.30	.623	.658
1977	.422	.249	.185	.179	.188	.234	.326	.377	1.84	1.59	.606	.324	.543
1978	.214	.290	.395	.245	.312	1.39	1.90	1.09	1.06	2.34	1.60	.591	.952
1979	.409	.272	-	-	-	-	-	-	-	-	-	-	-
1980	.535	.289	.226	.210	.285	.728	.638	1.20	1.35	1.64	1.18	.454	.728
1981	.241	.183	.189	.119	.153	.235	.687	.975	1.02	.901	.438	.231	.448
1982	.157	.152	.173	.154	.171	.432	.527	.873	1.59	1.23	.721	.376	.546
1983	.194	.159	.110	.146	.096	.251	.562	.620	1.17	.560	.279	.275	.369
1984	.167	.107	.126	.187	.337	.569	1.32	2.52	-	1.51	.732	.365	-
1985	.215	.175	.219	.536	.294	.443	1.10	1.38	2.58	1.05	-	-	-
1986	-	.129	.250	.190	.144	.197	.213	-	.483	.604	.453	-	-
1987	.152	.121	.189	-	-	.331	.766	1.19	2.03	1.02	.455	.265	-
MOY.	.287	.216	.226	.268	.271	.609	.959	1.35	1.76	1.59	.864	.453	.686

DEBITS MOYENS JOURNALIERS ANNEE 1983

STATION : 1472701405 DZ06BEGAN LATIT. 7.14.30
 RIVIERE : DAYE LONGIT. 0.40.45
 PAYS : T060 ALTIT. 720 M
 BASSIN : VOLTA AIRE 52 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.258	.144	.126	.142	.096	.121	.258	.562	.842	.970	.316	.280	1
2	.252	.144	.126	.144	.096	.108	.258	.551	1.23	.871	.316	.343	2
3	.234	.144	.121	.149	.096	.126	.258	.525	1.13	.852	.308	.347	3
4	.226	.144	.108	.162	.099	.178	.280	.532	1.31	.941	.285	.331	4
5	.208	.144	.107	.154	.107	.207	.335	.580	2.33	.823	.284	.287	5
6	.207	.144	.107	.123	.121	.249	.309	.642	2.31	.818	.277	.284	6
7	.207	.144	.107	.108	.147	.163	.345	.635	2.21	.790	.259	.277	7
8	.207	.144	.107	.107	.109	.145	.602	.594	2.17	.739	.258	.259	8
9	.200	.144	.107	.167	.107	.160	.875	.553	1.17	.703	.258	.258	9
10	.182	.149	.107	.286	.104	.224	.854	.534	.610	.605	.258	.258	10
11	.181	.162	.107	.153	.096	.261	.627	.558	.756	.603	.258	.273	11
12	.181	.163	.107	.135	.093	.310	.548	.551	.700	.592	.258	.306	12
13	.181	.163	.107	.109	.086	.522	.589	.515	.712	.562	.306	.279	13
14	.181	.168	.107	.107	.086	.329	.583	.487	.766	.551	.399	.259	14
15	.188	.180	.107	.107	.088	.231	.642	.485	.707	.525	.291	.258	15
16	.206	.181	.107	.107	.096	.208	.635	.564	.703	.523	.284	.258	16
17	.207	.181	.112	.107	.093	.207	.605	.530	.712	.513	.277	.258	17
18	.207	.176	.125	.104	.086	.242	.603	.523	.718	.487	.259	.280	18
19	.207	.164	.121	.131	.086	.341	.603	.507	1.30	.476	.258	.335	19
20	.207	.174	.108	.227	.086	.347	.635	.576	1.40	.450	.273	.317	20
21	.207	.194	.107	.233	.086	.331	.694	.622	1.24	.438	.299	.324	21
22	.207	.165	.107	.233	.086	.287	.641	.608	1.19	.404	.260	.330	22
23	.207	.163	.107	.226	.086	.284	.727	.591	1.11	.380	.258	.280	23
24	.196	.163	.107	.188	.086	.284	.700	.662	1.03	.379	.258	.259	24
25	.165	.163	.107	.129	.086	.284	.608	.779	1.25	.371	.258	.252	25
26	.163	.163	.107	.121	.086	.284	.603	1.05	1.13	.348	.258	.234	26
27	.163	.154	.107	.108	.086	.284	.603	.875	1.25	.347	.265	.233	27
28	.158	.128	.107	.107	.086	.284	.603	.753	1.12	.339	.283	.226	28
29	.145	.107	.104	.091	.277	.603	.813	1.03	.317	.277	.208	.29	29
30	.144	.107	.096	.111	.259	.603	.757	1.02	.316	.259	.211	.30	30
31	.144	.116	.125	.592	.703	.316	.225	.31					
M0	.194	.159	.110	.146	.096	.251	.562	.620	1.17	.560	.279	.275	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .086 M3/S LE 13/05 A 07H00
 MAXIMUM INSTANTANE : 4.12 M3/S LE 05/09 A 16H29

MINIMUM JOURNALIER : .086 M3/S LE 14/05
 MAXIMUM JOURNALIER : 2.33 M3/S LE 05/09

DEBIT MOYEN ANNUEL : .369 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472701405 DZ06BEGAN LATIT. 7.14.30
 RIVIERE : DAYE LONGIT. 0.40.45
 PAYS : T060 ALTIT. 720 M
 BASSIN : VOLTA AIRE 52 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.207	.127	.096	.160	.313	.229	.738	3.25	1.37	1.79	.985	.513	1
2	.207	.126	.120	.290	.524	.225	.710	4.00	1.32	1.79	.969	.487	2
3	.207	.126	.105	.166	.348	.221	.659	3.36	1.27	1.91	.917	.485	3
4	.207	.126	.096	.145	.343	.217	.611	4.02	1.25	1.91	.880	.476	4
5	.200	.126	.096	.139	.612	.213	.573	3.52	1.20	2.06	.866	.450	5
6	.182	.121	.096	.127	.419	.209	.573	3.05	1.15	1.99	.832	.448	6
7	.181	.108	.096	.121	.351	.204	1.42	2.84	1.13	1.84	.830	.448	7
8	.181	.107	.099	.108	.312	.312	1.52	2.68	1.08	1.76	.818	.438	8
9	.181	.107	.107	.276	.277	.527	1.20	2.77	1.03	1.73	.771	.412	9
10	.181	.107	.107	.621	.289	.314	1.10	2.61	1.04	1.64	.734	.402	10
11	.181	.107	.107	.261	.317	.304	1.01	2.29	1.20	1.63	.732	.380	11
12	.176	.107	.193	.175	.310	.307	.950	2.11	-	1.61	.721	.371	12
13	.164	.107	.353	.146	.431	.498	.892	2.27	1.04	1.50	.691	.348	13
14	.163	.107	.135	.139	.620	.364	.965	2.52	1.11	1.43	.700	.347	14
15	.163	.107	.105	.127	.410	.350	.893	3.45	1.17	1.73	.779	.347	15
16	.163	.107	.096	.121	.340	.547	.854	3.28	1.25	1.67	.894	.347	16
17	.163	.107	.093	.108	.302	.571	.826	2.98	2.67	1.54	.810	.347	17
18	.163	.107	.101	.107	.290	.885	1.01	2.76	1.95	1.49	.725	.339	18
19	.163	.107	.146	.104	.301	1.58	.923	2.56	1.96	1.48	.691	.317	19
20	.163	.107	.153	.131	.313	1.31	.984	2.47	2.17	1.41	.678	.316	20
21	.158	.107	.120	.200	.300	1.15	1.10	2.27	2.00	1.41	.648	.316	21
22	.145	.104	.145	.126	.317	.967	1.18	2.19	2.00	1.32	.635	.316	22
23	.144	.096	.246	.108	.303	.874	1.08	2.08	1.84	1.27	.605	.316	23
24	.144	.096	.154	.107	.287	.797	1.24	1.91	1.76	1.25	.592	.316	24
25	.144	.096	.107	.107	.272	.705	1.45	1.78	1.68	1.21	.617	.316	25
26	.144	.093	.096	.202	.277	.699	1.84	1.70	1.71	1.19	.716	.316	26
27	.144	.086	.104	.393	.318	.668	2.91	1.63	1.67	1.14	.560	.308	27
28	.144	.086	.120	.194	.257	.620	2.57	1.57	1.56	1.09	.525	.285	28
29	.144	.086	.108	.293	.243	.590	3.21	1.51	1.53	1.08	.523	.277	29
30	.144	.107	.311	.231	.623	2.94	1.44	1.51	1.04	.523	.259	.30	30
31	.139	.104	.230	3.13	1.39	1.03	.258	.31					
M0	.167	.107	.126	.187	.337	.569	1.32	2.52	-	1.51	.732	.365	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .086 M3/S LE 27/02 A 07H00
 MAXIMUM INSTANTANE : 8.74 M3/S LE 04/08 A 18H24

MINIMUM JOURNALIER : .086 M3/S LE 28/02
 MAXIMUM JOURNALIER : 4.02 M3/S LE 04/08

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472701405 DZ06BEGAN
 RIVIERE : DAYE
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 7.14.30
 LONGIT. 0.40.45
 ALTIT. 720 M
 AIRE 52 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.259	.189	.161	2.19	.235	.233	.659	.915	1.41	1.85	.635	.443	1
2	.255	.188	.160	2.75	.311	.233	.698	.880	1.41	1.74	.605	.404	2
3	.251	.187	.159	1.16	.308	.239	.742	.866	1.41	1.58	.592	.380	3
4	.246	.186	.158	.959	.285	.251	.779	.832	1.41	1.52	.562	.371	4
5	.242	.185	.157	.794	.353	.228	.769	.842	1.41	1.50	.560	.348	5
6	.238	.184	.156	.671	.548	.208	.771	.902	1.94	1.44	.551	.347	6
7	.233	.183	.155	.587	.507	.207	1.02	1.01	1.82	1.38	.534	.347	7
8	.230	.182	.155	.508	.348	.207	1.40	1.07	2.05	1.32	.580	.339	8
9	.227	.181	.155	.442	.309	.207	1.34	1.18	3.33	1.24	.642	.317	9
10	.225	.180	.202	.404	.285	.207	1.33	1.16	2.69	1.16	.635	.316	10
11	.223	.179	.184	.380	.292	.234	1.35	1.16	2.89	1.15	.605	.308	11
12	.220	.178	.183	.379	.307	.335	1.37	1.16	2.66	1.13	.592	.285	12
13	.218	.177	.255	.371	.285	.390	1.38	1.16	5.38	1.08	.562	-	13
14	.216	.176	.282	.348	.284	.342	1.46	1.52	3.83	1.04	.551	-	14
15	.214	.175	.216	.347	.308	.422	1.34	1.27	4.91	1.03	.525	-	15
16	.211	.174	.196	.339	.351	.652	1.31	1.48	3.70	.971	.513	-	16
17	.209	.173	.187	.317	.288	.486	1.27	1.47	3.41	.917	.487	-	17
18	.207	.172	.183	.308	.277	.468	1.25	1.41	3.12	.880	.476	-	18
19	.205	.171	.183	.279	.259	.585	1.23	1.88	2.97	.866	.450	-	19
20	.203	.170	.190	.253	.258	.747	1.25	2.28	2.91	.832	.448	-	20
21	.201	.169	.180	.234	.252	.682	1.20	2.09	2.79	.818	.448	-	21
22	.199	.168	.227	.226	.234	.648	1.14	1.94	2.66	.783	-	.258	22
23	.198	.167	.342	.208	.233	.635	1.11	1.85	2.46	.769	.508	.258	23
24	.197	.166	.463	.207	.233	.605	1.12	1.78	2.30	.734	.477	.258	24
25	.196	.165	.277	.207	.233	.603	1.03	1.73	2.47	.732	.450	.252	25
26	.195	.164	.277	.207	.233	.603	.985	1.61	2.28	.721	.438	.234	26
27	.194	.163	.321	.207	.246	.614	.983	1.55	2.06	.691	.412	.233	27
28	.193	.162	.215	.242	.282	.655	.983	1.49	1.99	.689	.410	.233	28
29	.192		.214	.312	.277	.687	.983	1.41	1.93	.678	.448	.233	29
30	.191		.214	.231	.253	.678	.969	1.49	1.91	.648	.526	.233	30
31	.190		.385		.234		.929	1.42		.646		.233	31
M0	.215	.175	.219	.536	.294	.443	1.10	1.38	2.58	1.05	-	-	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras, données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .155 M3/S LE 07/03 A 07H00
 MAXIMUM INSTANTANE : 27.4 M3/S LE 01/04 A 23H02

MINIMUM JOURNALIER : .155 M3/S LE 07/03
 MAXIMUM JOURNALIER : 5.38 M3/S LE 13/09

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472701405 DZ06BEGAN
 RIVIERE : DAYE
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 7.14.30
 LONGIT. 0.40.45
 ALTIT. 720 M
 AIRE 52 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.207	.126	.107	.339	.149	.145	.163	.324	.308	.487	.716	-	1
2	.207	.121	.132	.309	.162	.153	.174	.287	.285	.476	.702	-	2
3	.207	.108	.187	.279	.158	.186	.199	.300	.308	.459	.730	.316	3
4	.207	.107	.142	.253	.145	.199	.182	.337	.367	.474	.732	.305	4
5	.207	.107	.122	.234	.139	.182	.194	.317	.341	.440	.744	.284	5
6	.207	.107	.122	.226	.122	.181	.224	.332	.317	.412	.767	.284	6
7	.207	.121	.184	.202	.108	.188	.208	.368	.324	.410	.723	.284	7
8	.207	.151	.241	.182	.107	.199	.207	.341	.346	.458	.691	.271	8
9	.207	.123	.203	.176	.116	.178	.207	.309	.355	.575	.678	.246	9
10	.200	.108	.182	.164	.138	.175	.207	.285	.378	.517	.648	.233	10
11	.182	.107	.207	.163	.122	.199	.214	.284	.371	.487	.646	.233	11
12	.181	.112	.254	.163	.108	.182	.232	.284	.348	.485	.646	.233	12
13	.176	.120	.181	.168	.107	.238	.226	.300	.355	.476	.555	.233	13
14	.164	.133	.164	.176	.107	.362	.208	.344	.414	.450	.287	.220	14
15	.163	.192	.193	.164	.107	.258	.200	-	.517	.438	.235	.207	15
16	.163	.165	.266	.158	.107	.228	.182	.284	.653	.412	.226	.207	16
17	.163	.163	.222	.145	.107	.202	.181	.284	.941	.420	.208	.207	17
18	.158	.168	.179	.187	.112	.182	.181	.277	.745	.446	.207	.207	18
19	.145	.171	.164	.288	.120	.176	.181	.266	.700	.717	.200	.207	19
20	.144	.141	.244	.223	.113	.164	.215	.276	.608	1.34	.182	.207	20
21	.139	.122	.481	.174	.120	.193	.302	.259	.592	.992	.181	.194	21
22	.127	.108	.469	.146	.108	.266	.285	.258	.553	.917	.176	.181	22
23	.126	.112	.367	.149	.107	.229	.277	.258	.525	.868	.226	.181	23
24	.126	.130	.469	.153	.175	.208	.253	.273	.554	.797	.392	.181	24
25	.126	.139	.440	.128	.337	.200	.234	.306	.630	.695	.380	.181	25
26	.126	.127	.388	.131	.257	.178	.233	.345	.594	.678	.371	.181	26
27	-	.121	.312	.148	.234	.164	.226	.461	.553	.648	.348	.181	27
28	-	.108	.279	.162	.211	.163	.208	.325	.515	.657	.347	.172	28
29	.126		.253	.158	.153	.163	.200	.324	.496	.710	.339	.163	29
30	.126		.263	.145	.162	.163	.182	.338	.512	.732	.317	.163	30
31	.126		.342		.158		.223	.317		.643		.163	31
M0	-	.129	.250	.190	.144	.197	.213	-	.483	.604	.453	-	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras, données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .107 M3/S LE 03/02 A 07H00
 MAXIMUM INSTANTANE : 1.52 M3/S LE 20/10 A 07H00

MINIMUM JOURNALIER : .107 M3/S LE 04/02
 MAXIMUM JOURNALIER : 1.34 M3/S LE 20/10

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472701405 DZ06BEGAN
 RIVIERE : DAYE
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 7.14.30
 LONGIT. 0.40.45
 ALTIT. 720 M
 AIRE 52 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.163	.107	.145	.369	-	.162	.476	.866	2.11	1.46	.648	.347	1
2	.163	.107	.122	.333	.096	.198	.449	.820	1.98	1.44	.635	.365	2
3	.163	.107	.108	.274	.120	.177	.448	.771	1.84	1.38	.605	.390	3
4	.163	.107	.107	.229	.243	.215	.437	.759	1.79	1.32	.592	.349	4
5	.168	.107	.107	.208	.333	.341	.402	.801	2.02	1.26	.562	.338	5
6	.176	.107	.107	.207	.165	.338	.371	.736	2.58	1.20	.560	.317	6
7	.164	.107	.116	.207	.140	.308	.348	.732	2.63	1.15	.551	.316	7
8	.163	.104	.165	.200	.127	.285	.455	.744	2.32	1.13	.515	.307	8
9	.158	.096	.235	.182	.126	.319	.629	.767	2.11	1.08	.477	.285	9
10	.145	.096	.244	.176	.121	.388	.411	2.71	2.00	1.07	.450	.284	10
11	.144	.104	.203	.164	.108	.340	.380	1.64	3.30	1.13	.438	.277	11
12	.144	.125	.178	.158	.107	.308	.430	1.34	2.76	1.14	.412	.259	12
13	.144	.126	.159	.145	.107	.294	.644	1.27	2.33	1.23	.410	.258	13
14	.144	.121	.150	.149	.107	.333	.815	1.22	2.05	1.13	.420	.258	14
15	.144	.117	.173	.162	.104	.368	.748	1.11	1.94	1.03	.446	.258	15
16	.144	.147	.205	.158	.096	.339	1.05	1.19	1.91	1.00	.448	.258	16
17	.144	.162	.200	.154	.135	.308	1.41	1.29	1.85	1.02	.448	.258	17
18	.166	.154	.173	.179	.199	.294	1.22	1.17	1.78	.971	.448	.258	18
19	.235	.123	.146	.176	.124	.333	1.18	1.03	1.72	.929	.448	.251	19
20	.233	.108	.149	.159	.108	.368	1.08	.971	1.70	.915	.448	.234	20
21	.162	.104	.162	.145	.104	.348	1.03	.929	1.80	.880	.431	.233	21
22	.145	.096	.163	.135	.096	.365	.969	1.03	2.11	.878	.382	.233	22
23	.144	.096	.163	.113	.142	.399	.915	1.28	1.92	.866	.379	.233	23
24	.144	.093	.174	.120	.231	.380	.939	1.22	1.91	.832	.379	.233	24
25	.139	.086	.205	.108	.178	.370	1.05	1.32	1.98	.818	.371	.226	25
26	.127	.116	.226	.107	.169	.357	.971	1.62	1.80	.783	.348	.208	26
27	.126	.221	.289	.107	.170	.378	.945	1.53	1.79	.769	.347	.207	27
28	.126	.246	.322	.107	.140	.379	.952	1.33	1.76	.723	.347	.207	28
29	.121		.330	.107	.137	.420	.868	1.37	1.63	.691	.347	.200	29
30	.108		.299	-	.162	.508	.845	1.63	1.51	.689	.347	.182	30
31	.107		.341		.158		.877	1.58		.678		.181	31
MO	.152	.121	.189	-	-	.331	.766	1.19	2.03	1.02	.455	.265	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras, données relatives au limnigraphe

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .086 M3/S LE 25/02 A 07H00

MAXIMUM INSTANTANE : 15.2 M3/S LE 11/09 A 16H41

MINIMUM JOURNALIER : .086 M3/S LE 25/02

MAXIMUM JOURNALIER : 3.30 M3/S LE 11/09

GENERALITES

- superficie du bassin versant.....: 320 Km²
- coordonnées de la station: 07°44'N - 00°40'E
- cote du zero de l'échelle: 380 m. (IGN) environ
- amplitude de l'échelle: 0 à 5.00 m.
- accès: Piste SRCC-KOUGNONHOU-BROUFFOU
- date de création: 24.01.1964
- cadence des relevés: 1 relevé par jour.
Limnigrammes depuis 06.03.83

TARAGE

- nombre de jaugeages au 31.12.87: 98
- maximum jaugé: H = 149/147 CM
Q = 24.4 M³/S
date : 06.09.1982
- nombre de tarages entre 1983 et 1987: 03
- dernier étalonnage utilisé :
valide du 19.01.1986 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-020	00000	050	0.410
-005	00000	052	0.508
000	0.010	055	0.740
005	0.023	060	1.230
010	0.040	065	1.900
015	0.057	070	2.600
020	0.075	075	3.380
025	0.100	080	4.340
030	0.127	090	6.230
035	0.164	100	8.500
040	0.213	120	14.20
045	0.275	150	25.50
048	0.340	500	158.0

STATION : 1472701705 BROUFFOU
RIVIERE : GBAN HOU
PAYS : TOGO
BASSIN : VOLTA
DEBITS EN M3/S

LATIT. 7.44.00
LONGIT. 0.40.00
AIRE 320.000 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1964	-	.472	.593	.958	1.22	3.64	3.10	2.44	5.92	2.88	.929	-	-
1965	.537	.354	.334	.492	.809	6.86	-	-	-	-	-	-	-
1966	-	.062	.062	.840	.634	1.00	1.97	-	-	-	-	-	-
1967	-	-	.152	.651	.389	1.52	2.20	1.72	10.7	6.31	1.57	1.15	-
1968	.468	.412	.253	.761	1.05	2.95	4.85	12.9	8.71	4.68	2.01	1.58	3.39
1969	.874	.453	.570	2.45	1.30	2.02	4.95	11.4	6.65	5.64	5.03	1.17	3.54
1970	.678	-	-	1.08	2.61	.668	1.79	.969	6.58	1.64	.647	.157	-
1971	.123	.198	-	1.51	4.81	1.84	4.36	4.72	13.2	-	.971	.521	-
1972	-	.148	.195	.806	3.06	4.82	4.83	4.23	-	2.74	.534	.065	-
1973	.022	.023	.058	.458	.123	.630	3.01	5.42	6.98	4.05	1.40	-	-
1974	.207	.231	.320	.715	2.34	2.44	-	-	-	-	-	-	-
1975	.142	.360	.151	1.01	1.80	2.55	4.16	5.27	12.8	5.83	1.70	1.07	3.07
1976	.597	.285	.317	1.14	1.89	5.41	1.74	3.73	3.63	9.18	2.57	1.12	2.63
1977	.756	.179	.112	.128	.386	2.39	3.26	2.83	8.47	2.40	.497	.273	1.81
1978	.289	.106	.406	1.04	1.12	8.31	5.26	2.08	6.50	6.49	2.60	1.25	2.95
1979	-	.248	.133	.159	.904	3.02	7.21	9.59	6.40	5.14	2.67	-	-
1980	.650	.228	.744	.136	1.15	2.40	3.59	9.48	7.54	6.49	3.03	1.39	3.07
1981	.801	.466	.540	.337	1.02	1.05	2.27	3.20	6.39	-	.424	.188	-
1982	.068	-	.094	.983	1.47	1.56	2.56	-	8.04	2.81	1.08	.466	-
1983	.174	.081	.078	.267	.784	5.59	1.47	.674	2.19	.788	.223	.256	1.05
1984	-	-	-	.314	.563	1.71	5.99	7.99	7.89	-	-	-	-
1985	.259	.057	-	.307	.248	-	7.31	9.50	8.99	1.98	-	-	-
1986	-	-	.275	.242	.163	.795	2.66	3.54	6.97	3.22	.746	-	-
1987	-	-	.132	.121	.049	1.91	2.00	5.10	9.81	3.13	.253	.106	-
MOY.	.415	.242	.276	.704	1.25	2.83	3.66	5.34	7.72	4.19	1.52	.718	2.69

REMARQUE

- débits relatifs aux limnigrammes, complétés par des lectures d'échelle.

DEBITS MOYENS JOURNALIERS ANNEE 1983

STATION : 1472701705 BROUFFOU LATIT. 7.44.00
 RIVIERE : GBAN HOU LONGIT. 0.40.00
 PAYS : TOGO ALTIT. M
 BASSIN : VOLTA AIRE 320 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.289	.103	.094	.423	.064	3.75	1.29	.508	.653	1.45	.243	.468	1
2	.273	.095	.098	.210	.058	3.02	1.10	.511	.627	1.95	.233	.420	2
3	.258	.094	.108	3.39	.055	10.3	2.69	.520	1.38	2.27	.229	.480	3
4	.244	.094	.116	.586	1.63	3.93	2.55	.542	.849	2.09	.218	.371	4
5	.233	.094	.113	.250	.712	2.63	1.63	.579	1.05	1.36	.214	.286	5
6	.229	.094	.086	.188	.372	3.84	1.33	1.18	.783	1.23	.203	.240	6
7	.218	.094	.038	.150	.458	1.56	1.71	.788	.601	1.04	.199	.210	7
8	.214	.091	.038	.372	.464	1.46	7.43	.701	.595	.928	.188	.186	8
9	.203	.084	.043	.364	.432	1.50	5.00	.652	.758	.818	.185	.176	9
10	.199	.084	.043	.415	.391	2.75	2.25	.620	.622	.716	.176	.176	10
11	.188	.084	.043	.232	.371	2.98	1.56	.685	3.05	.659	.176	.176	11
12	.188	.081	.043	.162	.361	28.8	1.46	.794	2.46	.848	.172	.210	12
13	.188	.075	.041	.112	.371	21.0	1.38	.679	2.43	1.23	.271	.267	13
14	.185	.075	.038	.089	.545	6.61	1.25	.600	3.13	.868	.512	.195	14
15	.176	.073	.041	.077	.867	3.49	1.06	.577	2.30	.718	.429	.161	15
16	.176	.067	.038	.072	.469	5.09	.877	.569	2.17	.641	.306	.148	16
17	.172	.067	.043	.082	.836	11.7	.967	.558	2.06	.559	.251	.152	17
18	.160	.064	.043	.054	.679	8.64	1.00	.541	2.65	.515	.211	.179	18
19	.151	.058	.043	.065	.675	5.18	.799	.564	2.75	.489	.189	.160	19
20	.147	.058	.043	.059	.710	8.97	.704	1.04	3.69	.464	.196	.170	20
21	.138	.060	.043	.056	.537	9.03	.716	.648	4.45	.439	.213	.238	21
22	.135	.066	.043	.050	1.07	5.22	.704	.610	5.77	.414	.203	.585	22
23	.127	.078	.043	.050	.535	3.52	.795	.572	4.15	.385	.199	1.01	23
24	.124	.102	.043	.054	.482	2.67	.723	.526	3.08	.352	.185	.320	24
25	.116	.095	.043	.070	.525	2.16	.584	.889	2.62	.331	.176	.202	25
26	.116	.089	.043	.073	.555	1.78	.664	.742	2.44	.311	.172	.149	26
27	.116	.076	.043	.064	.549	1.59	1.01	.568	2.89	.298	.163	.135	27
28	.113	.080	.045	.063	2.54	1.44	.631	.687	2.19	.291	.163	.124	28
29	.106		.054	.074	3.49	1.48	.743	.808	1.88	.273	.163	.116	29
30	.106		.074	.073	1.27	1.47	.564	.846	1.74	.258	.263	.114	30
31	.106		.749		2.21		.543	.799		.247		.109	31
M0	.174	.081	.078	.267	.784	5.59	1.47	.674	2.19	.788	.223	.256	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .036 M3/S LE 07/03 A 06H00
 MAXIMUM INSTANTANE : 109. M3/S LE 12/06 A 15H32

MINIMUM JOURNALIER : .038 M3/S LE 08/03
 MAXIMUM JOURNALIER : 28.8 M3/S LE 12/06

DEBIT MOYEN ANNUEL : 1.04 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472701705 BROUFFOU LATIT. 7.44.00
 RIVIERE : GBAN HOU LONGIT. 0.40.00
 PAYS : TOGO ALTIT. M
 BASSIN : VOLTA AIRE 320 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.104	-	.095	.057	.288	1.02	11.1	18.0	5.57	5.81	1.12	-	1
2	.094	-	-	.053	.327	.413	3.60	30.2	4.66	5.41	1.15	-	2
3	.089	-	-	.049	.261	.435	3.25	11.5	4.48	6.36	1.15	-	3
4	.076	-	-	.046	.244	.350	2.08	7.84	4.30	4.94	1.12	-	4
5	.073	-	-	.042	.229	.311	1.82	6.82	3.79	5.12	1.06	-	5
6	.067	-	-	.040	.268	.274	2.01	7.13	4.18	5.31	1.06	-	6
7	.064	-	-	.037	.373	2.12	1.47	7.09	5.30	4.07	1.05	-	7
8	.058	.058	-	.383	.321	4.19	2.64	5.88	4.62	3.18	1.01	-	8
9	.054	.058	-	.247	.262	1.35	2.95	6.19	5.69	3.86	.994	-	9
10	.043	.058	.327	1.05	.259	.963	8.28	5.81	5.47	3.85	.956	-	10
11	.043	.058	.180	.364	.335	.433	5.92	5.01	8.06	3.09	.984	-	11
12	.042	.058	.133	.172	.293	.304	3.97	5.47	6.75	4.40	1.03	-	12
13	.039	.058	.111	.744	.270	.285	3.25	10.4	5.18	4.17	.973	-	13
14	.036	.071	.085	.848	.508	.251	6.56	8.79	11.2	3.31	.993	-	14
15	.033	.101	.062	.373	.377	.260	4.33	9.91	10.0	2.62	.926	-	15
16	.030	.095	.066	.220	.264	.270	4.56	8.38	6.10	1.97	.866	.359	16
17	-	.098	-	.202	.256	.388	2.93	6.45	38.3	1.70	.899	.359	17
18	-	.108	-	.201	.251	2.26	4.71	7.12	18.8	1.63	.901	.337	18
19	-	.113	-	.227	.245	6.23	9.76	7.33	12.2	1.73	-	.332	19
20	-	.106	-	.214	.239	2.38	7.62	9.48	9.26	1.54	-	.316	20
21	-	.109	-	.427	.233	1.80	5.43	7.19	7.92	1.40	-	.305	21
22	-	.110	-	1.18	.226	1.31	3.20	5.71	6.91	-	-	.304	22
23	-	.095	7.27	.503	.407	1.37	2.88	5.00	5.65	-	-	.304	23
24	-	.094	1.47	.278	.613	1.37	4.08	4.33	4.70	1.77	-	.304	24
25	-	.098	.499	.246	.437	1.09	7.10	4.17	4.18	1.71	-	.313	25
26	-	.103	.337	.220	.364	1.20	12.2	3.75	3.79	1.65	-	.340	26
27	-	.095	.166	.195	.272	4.36	20.3	4.10	11.6	1.63	-	.343	27
28	-	.104	.112	.222	.278	5.18	9.42	3.86	6.27	1.49	-	.317	28
29	-	.117	.090	.311	.371	2.91	8.92	9.11	6.15	1.24	-	.297	29
30	-		.073	.265	.357	6.27	9.73	7.72	5.63	1.20	-	.275	30
31	-		.064		8.03		9.54	7.94		1.17		.266	31
M0	-	-	-	.314	.563	1.71	5.99	7.99	7.89	-	-	-	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .030 M3/S LE 16/01 A 18H00
 MAXIMUM INSTANTANE : 104. M3/S LE 17/09 A 02H35

MINIMUM JOURNALIER : .030 M3/S LE 16/01
 MAXIMUM JOURNALIER : 38.3 M3/S LE 17/09

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472701705 BROUFFOU
 RIVIERE : GBAN HOU
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 7.44.00
 LONGIT. 0.40.00
 ALTIT. M
 AIRE 320 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.263	.101	.053	.246	.258	.109	2.72	7.13	10.8	4.01	.964	-	1
2	.256	.101	.053	1.84	.176	.103	7.24	6.19	8.49	3.90	-	-	2
3	.253	.093	.053	.543	.128	.110	8.74	5.65	11.9	3.67	-	-	3
4	.248	.076	.053	.367	.106	.105	8.34	7.53	8.79	3.23	-	-	4
5	.256	.073	-	.344	.099	.088	10.8	8.17	8.10	2.73	-	-	5
6	.253	.065	-	.464	.091	.073	6.88	7.55	10.5	2.51	-	-	6
7	.245	.060	.066	.421	.323	.065	14.9	11.7	8.76	2.38	-	-	7
8	.248	.058	.069	.273	.347	.060	22.4	14.6	6.95	2.25	-	-	8
9	.256	.053	.075	.215	.602	-	13.7	26.5	6.76	2.42	-	-	9
10	.256	.053	.075	.187	.303	-	13.2	14.0	6.92	2.26	-	-	10
11	.274	.053	.075	.165	.227	1.03	8.69	8.89	6.65	1.98	-	-	11
12	.341	.053	.078	.153	.224	1.89	6.08	7.14	4.57	2.04	-	-	12
13	.403	.049	.083	.154	.232	1.82	5.03	6.36	16.1	2.15	-	-	13
14	.417	.042	.088	.231	.200	.930	9.00	6.23	11.8	2.09	-	-	14
15	.430	.046	.098	.170	.177	.738	6.29	5.78	40.7	2.01	-	-	15
16	.508	.046	.090	.135	.365	.864	5.10	4.89	14.6	2.04	-	-	16
17	.614	.043	.084	.954	.978	.715	4.36	4.21	12.4	1.93	-	.568	17
18	.561	.041	.081	.342	.602	.797	6.72	6.70	8.94	1.82	-	.568	18
19	.388	.053	.127	.232	.289	.662	4.85	9.84	7.40	1.80	-	.568	19
20	.179	.051	.273	.205	.217	1.65	4.42	11.4	7.16	1.69	-	.502	20
21	.146	.047	.329	.184	.176	2.28	3.74	11.6	6.13	1.42	-	.469	21
22	.140	.046	.374	.145	.137	6.26	2.73	9.05	5.37	1.34	-	.520	22
23	.129	.046	.448	.108	.119	5.20	3.45	7.54	5.47	1.29	-	.487	23
24	.128	.048	.282	.101	.131	2.72	8.74	13.0	4.98	1.25	3.13	.466	24
25	.128	.053	.401	.101	.194	3.28	6.18	12.6	4.43	1.14	3.23	.415	25
26	.128	.053	.318	.094	.181	2.31	6.09	8.33	4.11	1.12	1.36	.397	26
27	.128	.053	.302	.086	.153	2.80	5.45	7.06	5.21	1.06	1.07	.401	27
28	.123	.053	.219	.229	.212	1.51	4.33	16.2	6.29	1.02	1.01	.427	28
29	.111		.218	.309	.187	1.40	5.50	11.0	4.95	1.00	.982	.402	29
30	.107		.220	.228	.141	1.87	5.92	9.09	4.53	.966	1.02	.383	30
31	.101		.183		.125		4.92	8.53		.964		.347	31
M0	.259	.057	-	.307	.248	-	7.31	9.50	8.99	1.98	-	-	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .036 M3/S LE 18/02 A 06H00
 MAXIMUM INSTANTANE : 101. M3/S LE 15/09 A 05H18

MINIMUM JOURNALIER : .041 M3/S LE 18/02
 MAXIMUM JOURNALIER : 40.7 M3/S LE 15/09

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472701705 BROUFFOU
 RIVIERE : GBAN HOU
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 7.44.00
 LONGIT. 0.40.00
 ALTIT. M
 AIRE 320 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.113	.102	.097	.160	.194	.135	5.78	6.26	4.49	2.89	.184	1
2	-	.108	.102	.086	.139	.554	.115	2.71	4.16	3.53	2.40	.144	2
3	-	.113	.093	.074	.124	.181	.097	1.94	3.09	3.61	1.83	.138	3
4	-	.104	.078	.067	.110	.145	.094	2.76	5.09	6.07	1.51	.128	4
5	-	.099	.062	.055	.104	.117	.114	3.21	4.95	7.96	1.35	.126	5
6	-	.092	.055	.048	.097	.101	1.39	2.40	5.22	9.68	1.02	.119	6
7	-	.087	.050	.051	.091	.647	.280	3.44	4.14	6.72	.913	.111	7
8	-	.093	1.71	.072	.093	.284	2.32	2.63	34.3	5.44	.809	.111	8
9	-	.089	3.15	.065	.095	.271	2.47	1.76	11.3	4.63	.846	-	9
10	-	.097	1.50	.054	.111	.131	2.12	1.18	7.56	4.36	.796	-	10
11	-	.126	.090	.072	.116	1.48	1.75	.770	6.20	3.75	.675	.142	11
12	-	.110	.080	.084	.115	1.65	3.66	.484	11.9	3.17	.480	.140	12
13	-	.103	.073	.117	.112	.237	3.57	1.26	9.46	2.73	.411	.133	13
14	-	.092	.059	.109	.113	3.23	2.11	2.42	7.91	2.37	.360	.127	14
15	-	.086	.046	.115	.104	1.93	.945	1.42	8.44	2.15	.322	.124	15
16	-	.091	.070	.153	.100	.844	1.57	.972	6.74	1.86	.311	.116	16
17	-	.098	.095	.146	.098	1.06	2.91	1.97	4.97	1.66	.280	.115	17
18	-	.114	.092	.133	.165	.710	1.07	5.20	4.24	2.58	.271	.111	18
19	-	.126	.087	.123	.310	.340	.491	3.54	3.40	2.19	.254	-	19
20	-	-	.082	.112	.146	.244	3.13	2.50	3.40	1.95	.426	.093	20
21	-	.092	.077	.108	.131	4.08	6.06	2.28	3.93	1.56	1.97	.090	21
22	-	.086	.073	.109	.124	1.41	22.3	2.65	3.52	1.22	.357	.090	22
23	-	.088	.062	.131	.125	.522	8.30	2.93	2.97	1.13	.309	.091	23
24	-	.084	.053	.149	.125	1.05	5.05	7.62	2.54	1.04	.255	.097	24
25	-	.079	.053	.221	1.13	1.01	3.33	8.64	5.70	.947	.234	.105	25
26	-	.074	.064	.205	.176	.601	2.58	6.67	12.4	.853	.229	.104	26
27	-	.071	.077	3.53	.145	.286	1.87	6.15	9.48	.727	.219	.099	27
28	-	-	.077	.527	.197	.214	1.17	6.11	5.95	1.68	.234	.094	28
29	-	.087	.264	.134	.175	.724	5.19	4.91	2.27	.218	.089	.089	29
30	-	.103	.189	.133	.155	.464	6.42	4.98	2.26	.199	.085	.085	30
31	-		.103		.128		.409	6.74		5.15		.085	31
M0	-	-	.275	.242	.163	.795	2.66	3.54	6.97	3.22	.746	-	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .043 M3/S LE 07/04 A 07H00
 MAXIMUM INSTANTANE : 79.3 M3/S LE 08/09 A 12H56

MINIMUM JOURNALIER : .046 M3/S LE 15/03
 MAXIMUM JOURNALIER : 34.3 M3/S LE 08/09

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472701705 BROUFFOU

LATIT. 7.44.00

RIVIERE : GBAN HOU

LONGIT. 0.40.00

PAYS : TOGO

ALTIT. M

BASSIN : VOLTA

AIRE 320 KM2

DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.095	-	.050	.771	.022	.705	1.23	2.19	4.46	4.44	.501	.147	1
2	.095	-	.065	1.22	.025	2.40	2.04	2.25	4.73	4.30	.461	.142	2
3	.093	-	.050	.231	.024	1.04	.933	4.15	11.3	3.76	.445	.142	3
4	.091	-	.055	.163	.031	.529	.440	5.45	6.32	3.52	.402	.142	4
5	.093	-	.047	.149	.039	.402	.282	4.77	16.1	3.30	.366	.140	5
6	.089	-	.037	.074	.033	2.30	.259	3.24	14.5	3.08	.341	.132	6
7	.090	.028	.027	.070	.044	.503	.303	3.04	12.7	2.86	.340	.126	7
8	.100	.026	.019	.066	.054	.186	2.20	6.48	7.63	2.64	.334	.122	8
9	.089	.025	.015	.059	.047	.127	9.43	5.90	8.89	2.42	.319	.120	9
10	.087	.022	.016	.047	.040	.103	3.40	4.10	7.07	4.73	.312	.116	10
11	.093	.020	.020	.045	.039	.083	2.50	4.14	5.98	8.75	.288	.115	11
12	.090	.019	.021	.043	.034	.073	1.69	3.14	10.8	7.04	.257	.111	12
13	.091	.017	.017	.042	.029	.066	1.23	5.22	7.41	6.95	.235	.111	13
14	.094	.026	.015	.040	.026	.071	1.18	6.85	9.09	5.08	.222	.109	14
15	-	.051	.017	.040	.025	.179	1.82	5.05	11.1	4.08	.211	.105	15
16	-	.047	.030	.039	.023	.316	1.85	3.94	26.1	3.39	.201	.104	16
17	.082	.040	.047	.041	.023	.546	1.21	13.6	16.8	3.08	.193	.100	17
18	.072	.040	.032	.052	.029	3.13	1.58	7.67	12.2	2.98	.196	.100	18
19	.071	.039	.025	.051	.042	10.6	3.37	5.48	8.73	2.69	.200	.100	19
20	.072	.036	.024	.057	.031	3.15	1.79	5.49	8.22	2.43	.188	.100	20
21	.073	.036	.103	.064	.026	4.78	1.69	5.25	9.39	2.29	.175	.098	21
22	.065	.037	.071	.053	.025	1.86	1.30	4.80	17.6	2.11	.171	.095	22
23	.056	.039	.053	.042	.022	3.03	.776	4.60	9.73	1.87	.162	.093	23
24	.052	.035	.047	.037	.024	2.25	1.50	4.12	7.42	1.70	.157	.088	24
25	.049	.033	.040	.029	.067	1.07	2.45	6.72	7.87	1.47	.157	.085	25
26	.046	.078	.044	.020	.112	1.33	1.18	6.41	6.62	1.30	.155	.082	26
27	.045	.168	.055	.020	.133	8.61	.845	5.30	7.74	1.14	.149	.075	27
28	.043	.068	.052	.021	.146	3.52	3.30	4.34	7.20	1.10	.149	.074	28
29	.043		.064	.022	.080	2.34	3.22	5.26	5.65	.979	.149	.071	29
30	.042		2.21	.020	.156	1.88	3.81	5.29	4.92	.816	.149	.071	30
31	.040		.706		.073		3.09	3.98		.678		.071	31
MO	-	-	.132	.121	.049	1.91	2.00	5.10	9.81	3.13	.253	.106	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .015 M3/S LE 09/03 A 07H00

MAXIMUM INSTANTANE : 67.1 M3/S LE 16/09 A 17H25

MINIMUM JOURNALIER : .015 M3/S LE 14/03

MAXIMUM JOURNALIER : 26.1 M3/S LE 16/09

GENERALITES

- superficie du bassin versant.....: 1.560 Km²
- coordonnées de la station: 09°32'N - 01°11'E
- cote du zero de l'échelle: 270m (IGN) environ
- amplitude de l'échelle: 0 à 10.00m
- accès: Pont métallique à l'entrée de KARA
- date de création: 05.07.1964
- cadence des relevés: 2 relevés par jour.
Limnigrammes depuis 06.03.83

TARAGE

- nombre de jaugeages au 31.12.87: 126
- maximum jaugeé: H = 370-354 CM
Q = 274 M³/S
date : 13.09.1954
- nombre de tarages entre 1983 et 1987: 02
- dernier étalonnage utilisé :
valide du 20.12.1983 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-030	00000	100	8.890
000	00000	110	11.10
010	0.115	130	16.50
020	0.285	150	23.00
030	0.485	180	35.00
040	0.927	210	49.50
050	1.850	230	61.80
060	3.190	260	85.40
070	4.700	300	125.0
080	6.550	340	179.0
090	8.600	400	289.0
091	8.890	500	558.0

REMARQUE

- débits relatifs aux limnigrammes, complétés par des lectures d'échelle.

STATION : 1472703910 LARA KARA I
 RIVIERE : KARA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M³/S

LATIT. 9.32.00
 LONGIT. 1.11.00
 ALIT. 270M
 AIRE 1560.00 KM²

ANNEE	JANV	FEV	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1954	-	-	-	-	-	-	-	16.5	44.1	26.0	2.92	.405	-
1955	.456	.282	.278	.418	.757	15.7	119.	131.	145.	49.9	5.20	1.11	39.1
1956	.371	.337	1.48	.415	.668	3.27	11.4	47.5	156.	19.0	1.73	.980	20.3
1957	.289	.170	1.16	2.10	4.42	21.1	47.9	97.6	267.	50.3	11.3	3.10	42.2
1958	.822	.413	.187	3.03	.864	5.92	3.83	2.08	12.3	7.01	.991	.339	3.15
1959	.088	.086	.048	1.32	3.77	1.01	33.5	37.8	116.	18.7	1.97	.402	17.9
1960	.157	.040	.083	.521	.672	12.1	48.0	66.4	133.	48.2	-	1.27	-
1961	.311	.108	-	1.03	4.70	8.69	23.6	24.3	23.2	15.0	1.16	.276	-
1962	.124	.064	.052	.161	3.84	50.6	37.3	70.2	84.9	28.1	9.51	1.47	23.9
1963	.428	.444	.406	2.87	1.35	2.01	64.3	169.	147.	-	-	1.99	-
1964	.755	.144	.406	3.01	2.49	3.00	13.8	65.6	129.	-	-	-	-
1965	-	-	-	-	1.57	13.7	-	-	-	-	.657	.208	-
1966	.118	.062	.021	.897	1.01	11.3	14.7	-	-	-	-	.671	-
1967	.242	-	.238	.532	.524	2.12	51.3	89.1	172.	69.3	3.24	1.52	-
1968	.352	.135	.124	1.47	2.76	20.2	50.6	42.3	-	-	3.46	.679	-
1969	.240	.108	.055	.935	4.45	1.17	35.9	100.	130.	-	-	1.20	-
1970	.488	.206	.204	.081	.909	1.00	8.53	70.3	136.	-	1.42	.419	-
1971	.210	.259	.117	.337	3.77	2.71	45.6	-	-	6.13	.756	.374	-
1972	.158	.063	.136	.698	6.14	7.87	24.9	41.8	74.4	21.0	2.52	1.66	15.1
1973	.482	.125	.826	.071	1.39	3.91	17.5	52.4	94.6	23.8	1.94	.403	16.4
1974	.154	.074	.117	.121	1.10	5.66	70.8	119.	151.	47.6	5.42	.868	33.5
1975	.392	.229	.556	2.45	1.70	2.68	20.7	51.8	79.0	14.0	1.42	.526	14.6
1976	.256	.155	.084	.422	4.09	13.9	51.3	32.4	21.1	27.0	13.9	1.19	13.8
1977	.424	.158	.046	1.21	2.50	5.85	11.4	33.4	61.3	14.2	.982	.407	11.0
1978	.183	.060	.283	.699	2.16	14.8	90.6	94.2	69.1	19.3	6.23	.958	24.9
1979	.440	.147	.094	.542	1.39	6.72	40.8	103.	142.	38.7	5.02	.876	28.3
1980	.542	.143	-	-	1.40	5.09	14.0	64.9	92.4	34.3	6.85	1.14	-
1981	-	.132	.046	.460	.994	4.12	14.1	90.9	62.5	10.8	2.09	.372	-
1982	-	.288	.085	1.79	3.02	3.67	13.7	28.1	37.6	14.7	5.04	-	-
1983	.162	.052	.000	.278	1.32	6.26	25.0	22.6	21.2	3.20	.331	.160	6.71
1984	.080	-	-	3.13	.569	.463	6.95	37.7	28.4	26.0	1.76	.400	-
1985	.163	-	-	.941	5.37	4.35	25.9	70.6	71.5	21.4	1.51	.265	-
1986	.002	.000	.000	.442	.811	2.58	6.74	54.5	65.4	25.6	3.11	.258	13.3
1987	.022	.000	.000	.090	2.69	19.7	56.6	46.2	20.3	1.82	.313	.12.3	
MOY.	.297	.155	.226	1.05	2.20	8.07	33.2	64.0	93.8	25.9	3.60	.819	19.8

DEBITS MOYENS JOURNALIERS ANNEE 1983

STATION : 1472703910 LAMA KARA 1 LATIT. 9.32.00
 RIVIERE : KARA LONGIT. 1.11.00
 PAYS : TOGO ALTIT. 270 M
 BASSIN : VOLTA AIRE 1560 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.261	.084	.000	.000	.012	2.31	3.15	36.1	16.1	16.1	.616	.164	1
2	.252	.084	.000	2.32	.012	24.9	2.38	27.5	35.8	10.9	.596	.164	2
3	.241	.084	.000	3.19	.018	13.6	6.51	23.9	16.0	9.06	.599	.164	3
4	.224	.084	.000	1.07	.375	5.08	8.98	24.5	12.0	7.27	.613	.162	4
5	.223	.084	.000	.484	.268	3.17	63.2	17.2	11.7	6.46	.548	.138	5
6	.213	.083	.000	.342	.226	2.56	36.0	14.2	13.0	8.49	.465	.136	6
7	.203	.076	.000	.261	.160	2.33	23.6	18.7	19.5	6.54	.443	.132	7
8	.202	.075	.000	.162	.127	2.05	30.7	30.1	54.3	5.45	.441	.128	8
9	.185	.075	.000	.131	.113	2.57	18.2	104.	19.8	4.61	.407	.128	9
10	.184	.071	.000	.101	.099	2.87	13.7	33.9	15.5	3.27	.371	.124	10
11	.184	.067	.000	.063	.081	2.48	11.3	24.1	13.6	2.42	.336	.119	11
12	.184	.067	.000	.041	.068	5.13	7.63	45.0	9.85	2.16	.301	.119	12
13	.183	.066	.000	.032	.171	19.3	5.56	26.3	10.9	1.86	.282	.115	13
14	.165	.058	.000	.023	.255	5.92	46.8	19.1	16.3	1.61	.281	.110	14
15	.164	.057	.000	.015	.237	3.56	21.4	15.6	23.8	1.70	.281	.112	15
16	.164	.050	.000	.014	.137	4.27	11.5	13.6	13.5	.960	.280	.134	16
17	.155	.049	.000	.013	.092	5.48	36.4	11.7	15.4	.688	.262	.128	17
18	.144	.041	.000	.011	.043	7.76	27.3	10.1	15.1	.635	.261	.120	18
19	.137	.032	.000	.010	.028	20.1	17.0	9.61	14.2	1.61	.261	.221	19
20	.136	.032	.000	.008	1.19	3.86	13.4	10.5	11.4	1.43	.270	.351	20
21	.132	.031	.000	.005	1.77	2.38	14.0	8.18	9.88	1.12	.262	.221	21
22	.128	.024	.000	.005	1.33	2.36	10.0	6.39	53.9	.429	.260	.210	22
23	.128	.023	.000	.003	1.37	2.40	7.97	5.48	31.7	.371	.242	.207	23
24	.124	.019	.000	.002	5.64	2.23	22.3	4.97	17.7	.351	.214	.200	24
25	.118	.013	.000	.000	5.29	14.0	11.6	11.6	27.4	.307	.202	.200	25
26	.111	.010	.000	.000	4.54	5.52	11.7	10.9	20.2	.403	.184	.192	26
27	.110	.007	.000	.000	4.23	3.44	50.6	34.4	14.6	.463	.165	.175	27
28	.105	.003	.000	.000	4.01	7.58	52.2	39.8	12.1	.561	.164	.165	28
29	.089	.000	.000	.000	3.35	5.28	37.1	27.2	60.7	.702	.164	.150	29
30	.084	.000	.000	.011	3.05	3.31	102.	21.5	29.7	.662	.164	.141	30
31	.084	.000	.000	2.60	49.9	15.8	.602	.132	31				
MO	.162	.052	.000	.278	1.32	6.26	25.0	22.6	21.2	3.20	.331	.160	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/03 A 06H00

MAXIMUM INSTANTANE : 153. M3/S LE 30/07 A 03H58

MINIMUM JOURNALIER : .000 M3/S LE 26/04

MAXIMUM JOURNALIER : 104. M3/S LE 09/08

DEBIT MOYEN ANNUEL : 6.76 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472703910 LAMA KARA 1 LATIT. 9.32.00
 RIVIERE : KARA LONGIT. 1.11.00
 PAYS : TOGO ALTIT. 270 M
 BASSIN : VOLTA AIRE 1560 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.130	.046	-	.141	.469	.479	.464	21.4	114.	126.	5.41	.668	1
2	.106	.045	-	.117	1.12	.425	.855	13.1	50.4	108.	5.26	.598	2
3	.098	.035	-	.092	1.17	.311	1.81	28.1	36.3	88.2	5.26	.571	3
4	.098	.028	-	.075	.946	.267	1.93	108.	46.2	41.0	3.49	.529	4
5	.105	.023	-	.062	.739	.350	1.45	22.3	33.1	33.5	3.40	.529	5
6	.110	.017	-	.042	.450	.600	.774	149.	27.2	37.3	3.06	.497	6
7	.114	.011	-	.157	.644	.565	.757	31.2	24.6	32.6	2.79	.465	7
8	.105	-	-	.183	1.36	.532	1.52	21.3	16.8	32.0	2.49	.464	8
9	.104	-	-	.104	.777	.492	1.67	38.3	14.4	35.8	1.79	.445	9
10	.104	-	-	.038	.504	.774	12.3	57.2	13.6	25.4	1.44	.426	10
11	.104	-	-	.085	.434	.614	7.13	22.1	12.8	18.4	1.16	.425	11
12	.104	-	-	.118	.408	.398	3.68	24.0	18.1	15.9	1.04	.415	12
13	.104	-	-	.129	.384	.892	3.00	71.5	29.7	14.3	1.14	.395	13
14	.097	-	-	.140	.326	.537	5.74	22.8	45.5	13.1	1.02	.385	14
15	.080	-	-	.119	.315	.317	7.81	21.4	23.5	14.2	.924	.385	15
16	.069	-	.820	12.2	.271	.257	4.72	34.6	15.1	14.5	.841	.385	16
17	.069	-	1.13	9.29	.249	.351	4.23	48.9	18.6	16.9	.750	.365	17
18	.069	-	.859	3.01	.234	.297	3.88	35.2	32.7	21.1	1.05	.344	18
19	.069	-	.534	.992	.210	.234	3.72	30.5	23.7	12.7	1.47	.335	19
20	.069	-	.369	.526	.200	.218	4.32	33.1	20.3	11.2	1.40	.335	20
21	.069	-	.261	7.98	.218	.209	3.86	25.8	15.2	10.7	.851	.326	21
22	.069	-	.203	30.0	.271	.199	3.36	24.9	37.7	13.8	.794	.325	22
23	.063	-	.353	8.02	.614	.176	3.08	21.5	29.6	10.8	.728	.325	23
24	.057	-	1.87	9.52	.736	.166	3.01	19.8	21.1	8.99	.662	.325	24
25	.057	-	.738	5.29	.836	.173	9.22	34.1	12.7	8.60	.665	.325	25
26	.051	-	.418	2.62	.847	.315	19.3	34.8	13.6	8.04	.706	.324	26
27	.046	-	.308	.868	.639	.388	39.2	26.6	38.4	7.50	.728	.306	27
28	.046	-	.254	.670	.623	.876	10.0	29.6	16.0	6.98	.769	.305	28
29	.046	-	.224	.637	.790	.855	11.5	37.4	20.9	6.46	.794	.304	29
30	.046	-	.199	.568	.456	1.62	15.1	41.6	31.1	6.09	.789	.286	30
31	.046	-	.167	.401	25.9	39.9	5.78	.277	31				
MO	.080	-	-	3.13	.569	.463	6.95	37.7	28.4	26.0	1.76	.400	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .011 M3/S LE 06/02 A 18H00

MAXIMUM INSTANTANE : 415. M3/S LE 06/08 A 00H47

MINIMUM JOURNALIER : .011 M3/S LE 07/02

MAXIMUM JOURNALIER : 149. M3/S LE 06/08

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472703910 LAMA KARA I
 RIVIERE : KARA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 9.32.00
 LONGIT. 1.11.00
 ALTIT. 270 M
 AIRE 1560 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.267	.104	-	.304	3.82	.842	.462	59.1	82.1	21.5	2.80	.416	1
2	.243	.103	-	.424	30.2	.794	11.1	33.2	87.5	44.2	2.71	.405	2
3	.217	.092	-	.363	8.97	.731	58.9	24.8	155.	132.	2.53	.405	3
4	.201	.080	-	.271	8.89	.681	83.9	25.0	114.	107.	2.51	.395	4
5	.200	.069	-	.234	8.86	.596	30.3	25.0	105.	52.7	2.40	.385	5
6	.200	.062	-	.190	8.24	.540	14.9	65.2	97.1	40.8	2.39	.385	6
7	.200	.046	-	.152	8.30	.590	38.6	45.3	75.0	32.4	2.32	.384	7
8	.200	.040	-	.155	8.61	.546	49.2	25.1	52.8	27.2	2.19	.356	8
9	.192	.034	-	.133	8.41	.477	59.6	41.0	177.	23.0	2.12	.345	9
10	.183	.028	-	.123	6.74	1.08	24.7	50.8	74.2	20.1	2.05	.345	10
11	.183	.017	-	.098	3.40	9.75	35.5	44.0	99.1	17.9	1.97	.335	11
12	.182	.011	-	.091	2.69	9.16	26.0	105.	77.3	15.8	1.85	.325	12
13	.167	.010	-	.081	2.65	8.85	17.3	103.	50.2	14.4	1.76	.324	13
14	.166	.000	-	.079	2.46	8.16	16.1	117.	53.1	12.5	1.68	.308	14
15	.166	-	-	.164	3.34	8.31	20.6	115.	67.1	10.7	1.61	.323	15
16	.165	-	-	1.45	8.16	8.85	19.6	57.6	54.3	9.77	1.49	.304	16
17	.150	-	-	1.14	7.37	8.89	18.4	118.	87.6	8.95	1.44	.270	17
18	.149	-	-	1.06	6.49	8.72	17.0	58.7	77.8	8.89	1.38	.267	18
19	.141	-	-	.847	4.72	7.66	17.5	126.	86.1	8.89	1.26	.252	19
20	.132	-	-	.789	4.11	6.22	18.1	122.	90.7	8.44	1.18	.241	20
21	.132	-	-	.712	3.64	5.32	14.6	59.4	48.1	7.66	.814	.217	21
22	.133	-	-	.701	3.27	4.37	10.5	41.1	37.1	6.48	.703	.201	22
23	.141	-	-	.615	2.87	7.35	13.8	45.0	42.9	5.03	.624	.190	23
24	.141	-	-	.629	2.77	6.51	10.5	55.6	45.8	4.51	.596	.166	24
25	.138	-	-	2.87	2.59	3.40	16.0	98.2	38.4	4.15	.568	.150	25
26	.116	-	-	3.58	1.87	2.10	20.3	148.	34.6	3.89	.491	.147	26
27	.115	-	-	3.85	.834	1.57	22.1	77.8	25.1	3.12	.484	.116	27
28	.115	-	-	3.69	.515	5.27	10.9	113.	35.5	2.93	.465	.098	28
29	.115	-	-	2.92	.586	2.44	41.3	63.9	44.0	2.92	.446	.069	29
30	.114	-	-	.534	.554	.842	16.0	68.3	31.0	2.92	.444	.051	30
31	.105	-	-	.590			48.4	59.0		2.91		.035	31
MO	.163	-	-	.941	5.37	4.35	25.9	70.6	71.5	21.4	1.51	.265	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 14/02 A 06H00
 MAXIMUM INSTANTANE : 258. M3/S LE 09/09 A 09H30

MINIMUM JOURNALIER : .000 M3/S LE 14/02
 MAXIMUM JOURNALIER : 177. M3/S LE 09/09

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472703910 LAMA KARA I
 RIVIERE : KARA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 9.32.00
 LONGIT. 1.11.00
 ALTIT. 270 M
 AIRE 1560 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.029	.000	.000	.000	.267	.520	.397	49.2	147.	34.1	9.86	.649	1
2	.023	.000	.000	.000	.178	.426	.308	21.9	135.	26.8	8.56	.452	2
3	.017	.000	.000	.000	.124	.364	.376	13.5	47.0	23.4	6.92	.425	3
4	.010	.000	.000	.000	.106	.274	1.28	9.09	53.3	41.5	6.04	.422	4
5	.000	.000	.000	.000	.098	.422	3.01	7.95	87.7	58.1	7.28	.370	5
6	.000	.000	.000	.000	.092	1.19	2.59	15.1	105.	186.	5.54	.346	6
7	.000	.000	.000	.000	.145	2.33	2.03	138.	57.2	64.3	4.10	.315	7
8	.000	.000	.000	.000	.227	3.51	3.50	60.5	131.	49.3	3.80	.305	8
9	.000	.000	.000	.000	.337	2.70	15.1	25.2	73.7	38.8	3.59	.305	9
10	.000	.000	.000	.000	.426	2.77	6.93	18.0	70.3	32.7	3.27	.287	10
11	.000	.000	.000	.102	.485	2.91	9.42	19.5	76.7	27.5	3.08	.268	11
12	.000	.000	.000	1.48	.593	1.67	5.95	13.1	86.6	23.1	2.92	.268	12
13	.000	.000	.000	1.22	.489	3.15	4.44	16.1	47.8	19.6	2.97	.252	13
14	.000	.000	.000	1.44	.342	14.5	3.78	34.1	52.0	17.0	2.85	.234	14
15	.000	.000	.000	.794	.285	5.16	2.76	17.6	49.5	15.0	2.41	.234	15
16	.000	.000	.000	.542	.335	3.37	4.30	12.3	31.8	13.0	2.12	.234	16
17	.000	.000	.000	.432	.329	1.89	5.25	12.1	33.8	10.3	1.95	.234	17
18	.000	.000	.000	.370	.516	1.10	4.17	22.8	28.6	8.76	1.83	.226	18
19	.000	.000	.000	.354	2.77	1.06	3.04	21.0	38.0	8.51	1.73	.209	19
20	.000	.000	.000	.325	1.31	4.46	6.79	16.5	20.7	8.18	1.59	.200	20
21	.000	.000	.000	.307	.762	3.77	18.6	9.94	87.9	7.25	1.49	.199	21
22	.000	.000	.000	.304	.682	3.57	43.5	27.5	49.4	6.27	1.46	.184	22
23	.000	.000	.000	.286	.619	2.87	13.3	156.	37.0	5.61	1.34	.183	23
24	.000	.000	.000	.251	.909	2.26	7.03	204.	32.6	6.02	1.21	.183	24
25	.000	.000	.000	.271	3.72	1.57	4.53	134.	111.	4.75	1.15	.182	25
26	.000	.000	.000	1.38	2.95	1.29	2.64	146.	63.5	4.35	1.00	.167	26
27	.000	.000	.000	1.27	2.07	3.67	2.72	144.	41.7	4.19	.918	.165	27
28	.000	.000	.000	1.37	1.60	2.86	3.74	79.8	40.0	19.1	.872	.142	28
29	.000	.000	.000	.463	1.09	1.17	2.58	77.2	75.4	10.9	.818	.132	29
30	.000	.000	.000	.317	.689	.517	1.85	113.	50.2	10.3	.753	.123	30
31	.000	.000	.000	.600			23.1	55.1		10.3		.105	31
MO	.002	.000	.000	.442	.811	2.58	6.74	54.5	65.4	25.6	3.11	.258	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 05/01 A 07H00
 MAXIMUM INSTANTANE : 434. M3/S LE 23/08 A 20H55

MINIMUM JOURNALIER : .000 M3/S LE 05/01
 MAXIMUM JOURNALIER : 204. M3/S LE 24/08

DEBIT MOYEN ANNUEL : 13.3 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472703910 LAMA KARA 1
 RIVIERE : KARA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 9.32.00
 LONGIT. 1.11.00
 ALTIT. 270 M
 AIRE 1560 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.092	.000	.000	.000	.000	.209	9.03	24.3	153.	16.0	3.35	.749	1
2	.086	.000	.000	.000	.000	.201	8.48	97.4	76.2	21.4	3.13	.459	2
3	.075	.000	.000	.000	.000	.190	4.59	70.0	106.	15.6	2.91	.445	3
4	.063	.000	.000	.000	.000	.171	5.02	32.9	64.6	14.7	2.80	.439	4
5	.057	.000	.000	.000	.000	.246	6.40	42.2	101.	15.2	2.70	.426	5
6	.057	.000	.000	.000	.000	.263	9.25	43.4	61.7	39.0	2.27	.419	6
7	.052	.000	.000	.000	.000	.350	7.18	22.3	83.0	31.7	2.22	.406	7
8	.041	.000	.000	.000	.000	.369	8.67	22.3	77.7	22.5	3.66	.405	8
9	.045	.000	.000	.000	.000	.413	28.5	14.3	44.7	19.5	3.49	.394	9
10	.045	.000	.000	.000	.000	.405	13.6	11.6	31.2	23.8	2.17	.361	10
11	.034	.000	.000	.000	.000	.393	6.57	21.2	50.3	36.3	2.64	.340	11
12	.023	.000	.000	.000	.000	.366	22.2	11.8	40.7	74.2	2.31	.326	12
13	.022	.000	.000	.000	.000	.499	12.2	14.7	28.9	33.5	1.70	.319	13
14	.006	.000	.000	.000	.000	.574	9.10	65.6	27.1	27.1	1.62	.300	14
15	.000	.000	.000	.000	.000	1.19	6.85	59.1	35.1	21.4	1.61	.286	15
16	.000	.000	.000	.000	.000	1.01	8.12	40.1	68.2	32.3	2.05	.285	16
17	.000	.000	.000	.000	.000	.952	7.88	105.	32.1	44.4	1.55	.275	17
18	.000	.000	.000	.000	.000	4.51	8.38	54.8	34.0	20.5	1.38	.247	18
19	.000	.000	.000	.000	.000	6.89	3.74	44.0	24.6	16.6	1.31	.235	19
20	.000	.000	.000	.000	.000	5.26	7.22	72.2	40.9	16.9	1.21	.234	20
21	.000	.000	.000	.000	.096	5.58	112.	32.5	25.4	14.9	1.10	.229	21
22	.000	.000	.000	.000	.365	4.23	33.6	26.1	24.8	11.6	.979	.218	22
23	.000	.000	.000	.000	.330	2.77	12.1	31.9	20.7	9.54	.927	.222	23
24	.000	.000	.000	.000	.314	1.27	20.9	106.	16.8	8.93	.883	.229	24
25	.000	.000	.000	.000	.285	1.14	13.1	217.	15.3	8.85	.817	.218	25
26	.000	.000	.000	.000	.254	3.84	13.0	88.3	13.7	8.02	.794	.217	26
27	.000	.000	.000	.000	.250	3.59	24.6	59.8	26.3	7.30	.772	.217	27
28	.000	.000	.000	.000	.235	5.67	99.4	62.0	25.6	5.68	.747	.217	28
29	.000		.000	.000	.233	13.9	30.1	60.4	20.5	4.44	.709	.212	29
30	.000		.000	.000	.218	14.2	27.9	80.4	15.2	3.68	.717	.196	30
31	.000		.000		.217		30.1	120.		3.68		.184	31
MO	.022	.000	.000	.000	.090	2.69	19.7	56.6	46.2	20.3	1.82	.313	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 14/01 A 18H00
 MAXIMUM INSTANTANE : 343. M3/S LE 25/08 A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 15/01
 MAXIMUM JOURNALIER : 217. M3/S LE 25/08

DEBIT MOYEN ANNUEL : 12.4 M3/S

GENERALITES

- superficie du bassin versant.....: 2.700 Km²
- coordonnées de la station: 09°37'N - 00°57'E
- cote du zero de l'échelle: 180.00m (IGN)
- amplitude de l'échelle: -0.50 à 10.00m
- accès: Piste joignant KPESSIDE à la rivière
- date de création: 12.12.1961
- cadence des relevés: 1 relevé par jour
Limnigrammes depuis 11.03.84
Balise Argos depuis Juin 1984

TARAGE

- nombre de jaugeages au 31.12.87: 142
- maximum jaugé: H = 400 CM
Q = 352 M³/S
date : 11.09.1984
- nombre de tarages entre 1983 et 1987: 02
- dernier étalonnage utilisé :
valide du 01.01.1984 au 31.12.1984
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-030	00000	044	3.170
-013	00000	050	4.600
-008	0.011	060	7.600
-004	0.016	080	14.60
000	0.045	100	23.40
004	0.106	130	38.50
006	0.150	150	56.30
008	0.215	180	70.30
012	0.370	220	105.0
020	0.760	260	147.2
028	1.205	320	223.9
032	1.320	380	315.1
034	1.645	460	458.9
038	2.130	590	703.0

REMARQUE

- débits relatifs aux limnigrammes, complétés par des lectures d'échelle.

STATION : 1472703905 KPESSIDE

RIVIERE : KARA

PAYS : TOGO

BASSIN : VOLTA

DEBITS EN M3/S

LATIT. 9.37.00

LONGIT. 0.57.00

ALTIT. 180M

AIRE 2790.00 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1962	-	.126	-	1.38	-	60.9	-	147.	167.	61.5	-	.103	-
1963	.107	.201	.392	3.51	2.53	6.91	-	-	-	-	-	-	-
1964	-	-	.527	3.08	4.36	4.82	19.6	79.8	189.	28.9	4.77	.953	-
1965	.575	-	.105	.687	6.86	20.7	62.7	73.1	94.8	15.7	1.93	.368	-
1966	-	.125	.015	1.30	4.90	21.9	31.3	179.	117.	93.3	15.2	-	-
1967	-	-	.593	-	1.19	4.88	68.0	113.	198.	90.2	-	-	-
1968	1.21	.545	.728	4.13	9.53	63.4	97.9	96.9	141.	49.3	15.1	2.30	40.2
1969	.723	.332	.186	-	7.78	3.98	58.8	165.	218.	-	-	-	-
1970	-	-	-	-	-	-	-	-	242.	-	-	-	-
1971	-	-	-	-	-	8.40	93.4	145.	123.	18.9	2.66	.677	-
1972	.179	.070	.377	3.55	14.6	14.0	59.6	97.0	84.9	55.4	9.13	2.71	28.5
1973	-	-	-	-	-	14.8	18.4	93.7	80.9	36.8	7.41	.650	-
1974	.186	.073	.077	.275	2.46	18.7	66.5	141.	251.	87.7	15.8	2.41	48.9
1975	.657	.388	-	-	8.12	8.49	63.6	-	144.	51.7	4.18	1.26	-
1976	-	.172	.067	-	9.22	33.8	73.1	82.7	-	83.0	35.6	2.27	-
1977	-	.196	.022	1.59	-	-	-	58.2	88.2	-	1.62	.377	-
1978	.191	.047	.282	.992	4.16	-	98.4	-	-	54.3	-	2.77	-
1979	.810	-	-	.299	5.67	13.9	66.3	162.	144.	-	-	-	-
1980	-	-	-	.798	3.35	5.72	10.2	46.1	123.	49.1	-	-	-
1981	-	.110	.020	1.75	2.46	12.5	-	133.	96.0	16.5	3.71	.616	-
1982	.155	.514	.068	17.4	5.79	5.83	28.8	37.6	65.2	24.0	12.0	.737	16.5
1983	.215	.037	.029	.693	1.28	-	-	-	48.1	6.75	.531	-	-
1984	.015	.000	2.02	5.20	.889	.586	9.00	47.6	71.4	37.8	1.68	-	-
1985	-	.005	-	.187	2.53	3.23	29.2	109.	114.	-	1.81	.487	-
1986	.091	.011	.003	.036	.392	2.39	10.1	87.8	104.	43.7	6.30	.945	21.3
1987	.257	-	.319	.115	.344	4.02	36.6	-	-	45.6	3.71	-	-
MOY.	.384	.174	.324	2.47	4.69	15.1	50.1	105.	132.	47.5	7.95	1.23	31.1

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472703905 KPESSIDE LATIT. 9.37.00
 RIVIERE : KARA LONGIT. 0.57.00
 PAYS : TOGO ALTIT. 180M
 BASSIN : VOLTA AIRE 2790.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.439	.057	.006	.028	.290	2.95	8.67	-	19.1	21.7	1.02	.265	1
2	.402	.054	.005	.000	1.15	16.3	47.0	44.4	18.8	19.5	.958	.255	2
3	.371	.049	.003	1.47	1.50	40.0	109.	40.1	21.5	17.8	.891	.231	3
4	.360	.049	.003	4.77	.975	16.3	62.6	40.4	16.7	16.5	.828	.230	4
5	.336	.049	.002	3.84	.622	9.00	107.	37.4	17.3	15.0	.775	.230	5
6	.325	.049	.000	2.74	.286	7.31	61.7	33.9	21.1	13.2	.722	.222	6
7	.301	.049	.000	1.95	.199	5.23	56.1	28.5	42.1	12.1	.685	.204	7
8	.300	.047	.000	.873	.170	2.29	52.1	46.5	91.5	11.2	.668	.203	8
9	.290	.042	.000	.760	.158	2.93	51.2	94.5	54.2	9.88	.632	.203	9
10	.266	.042	.000	.671	.183	4.22	47.7	65.0	31.5	8.01	.618	.196	10
11	.265	.042	.000	.647	.210	3.94	36.7	86.9	19.5	7.16	.588	.178	11
12	.255	.042	.000	.642	.269	3.52	23.5	149.	16.3	6.48	.575	.169	12
13	.224	.042	.000	.479	.378	2.77	47.1	73.1	14.3	5.62	.544	.151	13
14	.204	.039	.000	.298	.424	2.53	102.	33.9	35.0	4.99	.531	.150	14
15	.196	.034	.000	.266	.468	2.52	78.0	21.5	74.7	4.77	.489	.150	15
16	.178	.034	.000	.255	.487	2.48	71.5	16.7	81.3	4.50	.458	.142	16
17	.177	.034	.000	.224	.434	2.88	70.6	13.9	154.	3.91	.445	.124	17
18	.177	.034	.000	.189	1.45	7.79	66.8	14.8	83.5	3.14	.414	.123	18
19	.177	.034	.000	.140	3.56	15.8	-	20.6	31.6	2.95	.413	.123	19
20	.177	.034	.000	.108	2.37	12.7	20.4	15.5	20.8	2.84	.413	.123	20
21	.169	.034	.000	.097	2.17	9.07	19.7	14.1	26.3	2.79	.401	.119	21
22	.151	.032	.000	.069	2.01	5.96	18.8	12.9	55.5	2.64	.371	.108	22
23	.150	.027	.000	.055	1.73	-	17.9	12.0	74.7	2.36	.370	.107	23
24	.142	.027	.000	.047	1.42	-	17.2	11.0	93.0	1.90	.360	.107	24
25	.124	.025	.000	.040	1.34	12.4	17.1	9.87	97.3	1.62	.326	-	25
26	.119	.019	.000	.032	1.43	10.2	24.4	17.4	52.8	1.33	.301	.100	26
27	.103	.014	.000	.027	1.37	9.76	43.8	68.5	35.7	1.16	.300	.090	27
28	.085	.010	.000	.027	2.10	9.43	-	121.	41.0	1.03	.290	.090	28
29	.074		.000	.027	3.78	9.19	-	67.6	67.1	1.04	.266	-	29
30	.073		.255	.025	3.46	9.08	-	32.7	33.6	1.17	.265	-	30
31	.068		.624		3.12		-	21.9		1.09		-	31
MO	.215	.037	.029	.693	1.28	-	-	-	48.1	6.75	.531	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 6 MARS A 06H00
 MAXIMUM INSTANTANE : 181. M3/S LE 17 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 7 MARS
 MAXIMUM JOURNALIER : 154. M3/S LE 17 SEPT

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472703905 KPESSIDE LATIT. 9.37.00
 RIVIERE : KARA LONGIT. 0.57.00
 PAYS : TOGO ALTIT. 180 M
 BASSIN : VOLTA AIRE 2790 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.014	.000	.000	14.7	.822	.516	5.30	23.4	243.	106.	4.27	.665	1
2	.021	.000	.000	8.26	10.2	.487	2.21	21.9	83.8	57.4	3.86	.649	2
3	.037	.000	.000	4.99	2.19	.422	1.89	33.9	67.4	138.	3.47	.616	3
4	.037	.000	.000	3.05	1.04	.419	1.29	142.	183.	104.	3.13	.614	4
5	.035	.000	.128	2.07	.923	.403	1.01	52.6	95.4	56.3	2.80	.614	5
6	.030	.000	.128	1.62	.886	.696	1.04	177.	68.5	53.3	2.47	.600	6
7	.030	.000	.128	1.40	.698	.588	.890	39.3	52.2	83.7	2.30	.567	7
8	.028	.000	.128	1.19	.568	.505	.783	26.3	51.7	42.0	2.23	.565	8
9	.021	.000	.128	1.04	.511	.766	.638	50.1	40.6	47.6	1.99	-	9
10	.016	.000	.128	.935	.780	1.12	6.60	76.4	31.9	42.9	1.83	.497	10
11	.016	.000	.128	.830	.709	1.01	12.4	32.6	27.1	40.6	1.64	.455	11
12	.015	.000	.128	.726	.556	.874	5.21	27.1	115.	72.0	1.58	.421	12
13	.014	.000	5.83	.896	.460	.897	2.51	103.	146.	34.8	1.56	.405	13
14	.013	.000	2.54	14.3	.455	.913	7.45	32.9	62.7	33.5	1.46	.361	14
15	.013	.000	1.39	31.6	.361	.805	14.9	15.0	50.0	24.4	1.34	.332	15
16	.012	.000	.992	21.7	.291	.689	11.3	13.0	34.8	23.2	1.26	.331	16
17	.011	.000	.789	11.7	.269	.599	5.57	24.4	61.4	19.4	1.18	.320	17
18	.011	.000	.639	7.13	.240	.506	4.25	40.5	80.9	36.1	1.09	.294	18
19	.010	.000	.523	4.36	.195	.415	3.30	39.6	41.3	24.3	1.04	.293	19
20	.008	.000	.436	2.99	.175	.409	7.63	27.1	31.6	16.7	1.04	.293	20
21	.008	.000	.375	2.24	.145	.367	6.15	32.4	33.1	16.9	1.04	.282	21
22	.008	.000	.314	1.74	.123	.325	4.16	27.9	24.8	14.6	1.04	.255	22
23	.008	.000	.287	1.47	.254	.301	2.61	21.7	32.7	18.4	1.02	.243	23
24	.006	.000	.236	1.30	.254	.298	2.75	17.5	39.7	13.2	.987	.207	24
25	.006	.000	.188	2.45	.299	.276	3.91	64.5	22.2	10.6	.954	.184	25
26	.006	.000	.183	4.62	.696	.341	19.7	140.	18.3	9.01	.860	.183	26
27	.006	.000	.170	2.53	.788	.364	63.8	46.1	36.0	7.80	.802	.183	27
28	.005	.000	.379	1.81	.670	.719	19.6	28.2	54.2	6.90	.762	.183	28
29	.004	.000	14.3	1.43	.804	.914	14.6	37.1	169.	6.11	.746	.183	29
30	.003		4.98	.985	.640	.648	22.9	22.0	144.	5.39	.699	.183	30
31	.001		27.1		.543		22.8	41.1		4.80		.183	31
MO	.015	.000	2.02	5.20	.889	.586	9.00	47.6	71.4	37.8	1.68	-	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/02 A 06H00
 MAXIMUM INSTANTANE : 620. M3/S LE 04/09 A 14H26

MINIMUM JOURNALIER : .000 M3/S LE 02/02
 MAXIMUM JOURNALIER : 243. M3/S LE 01/09

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472703905 KPESSIDE LATIT. 9.37.00
 RIVIERE : KARA LONGIT. 0.57.00
 PAYS : TOGO ALTIT. 180 M
 BASSIN : VOLTA AIRE 2790 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.015	.000	.000	.047	1.00	2.11	102.	76.6	35.3	4.41	.917	1
2	.183	.014	.000	.000	30.4	1.22	3.06	69.7	176.	63.9	3.38	.859	2
3	.174	.014	.000	.000	10.4	1.06	81.9	44.7	173.	+	3.06	.818	3
4	.151	.013	.000	.000	3.03	1.11	95.7	29.5	125.	194.	2.74	.800	4
5	.150	.013	-	.000	1.87	.857	61.5	43.9	181.	102.	2.44	.762	5
6	.150	.013	-	.000	1.16	.619	20.4	67.8	134.	68.6	2.15	.746	6
7	.150	.012	.000	.000	.791	.493	43.1	90.6	124.	53.6	2.01	.713	7
8	.144	.011	.000	.000	.601	.391	22.0	40.4	75.5	43.6	1.91	.711	8
9	.129	.011	.000	.000	.476	.309	15.3	35.3	258.	39.0	1.96	.684	9
10	.128	.010	.000	.000	.381	.263	13.2	158.	115.	38.5	3.18	.603	10
11	.128	.008	.000	.000	.325	.273	50.8	116.	154.	37.1	3.39	.567	11
12	.128	.006	.000	.000	.301	1.00	32.4	159.	121.	47.1	2.55	.565	12
13	.122	.005	.000	.000	.278	8.00	16.9	181.	80.3	27.1	1.97	.551	13
14	.107	.004	.000	.003	.256	3.00	71.8	185.	103.	24.0	1.75	.504	14
15	.102	.003	.000	.607	.233	1.53	41.3	206.	85.7	21.6	1.58	.456	15
16	.091	.002	.000	1.64	.203	1.10	31.8	104.	66.2	19.1	1.42	.407	16
17	.090	.001	.000	.593	.154	.835	24.3	132.	159.	16.3	1.31	.361	17
18	.086	.000	.000	.308	6.91	.653	17.6	81.5	127.	14.6	1.24	.332	18
19	.076	.000	.000	.222	7.76	.727	18.6	146.	173.	13.2	1.16	.331	19
20	.075	.000	.000	.343	3.07	12.0	15.3	147.	187.	12.4	1.09	.331	20
21	.071	.000	.000	.440	1.62	14.5	14.4	84.8	94.9	11.2	1.05	.320	21
22	.060	.000	.000	.346	1.02	10.1	12.6	53.5	64.3	9.84	1.00	.294	22
23	.060	.000	.000	.252	1.25	7.59	23.8	57.0	61.0	8.71	.958	.293	23
24	.060	.000	.000	.233	1.54	2.98	15.6	90.2	100.	7.77	.918	.293	24
25	.054	.000	.000	.168	.941	1.78	14.0	140.	85.3	6.96	.904	.293	25
26	.038	.000	.000	.120	.725	1.35	13.4	196.	79.7	6.30	.985	.293	26
27	.035	.000	.000	.094	.546	1.90	29.9	151.	49.2	5.70	.985	.282	27
28	.030	.000	.000	.090	.436	9.47	14.2	173.	69.8	5.11	.985	.255	28
29	.028	.000	.000	.084	.372	7.63	35.3	104.	62.4	4.75	.700	.254	29
30	.021	.000	.000	.066	.480	3.23	23.7	94.5	54.1	10.8	.994	.254	30
31	.016	.000	.000	.976			28.0	90.3		7.00		.254	31
M0	-	.005	-	.187	2.53	3.23	29.2	109.	114.	+	1.81	.487	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 18/02 A 06H00
 MAXIMUM INSTANTANE : 441. M3/S LE 13/08 A 20H00

MINIMUM JOURNALIER : .000 M3/S LE 07/03
 MAXIMUM JOURNALIER : 258. M3/S LE 09/09

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472703905 KPESSIDE LATIT. 9.37.00
 RIVIERE : KARA LONGIT. 0.57.00
 PAYS : TOGO ALTIT. 180 M
 BASSIN : VOLTA AIRE 2790 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.215	.016	.012	.000	.000	.063	.886	92.0	167.	53.2	20.6	1.49	1
2	.215	.015	.012	.000	.000	.044	.750	25.2	108.	40.9	17.4	1.42	2
3	.215	.014	.012	.000	.000	.030	.698	13.9	71.7	34.8	13.7	1.34	3
4	.207	.013	.012	.000	.219	.217	.651	10.0	57.0	97.3	11.6	1.27	4
5	.184	.013	.012	.000	.771	.377	.529	20.9	155.	100.	16.2	1.21	5
6	.175	.012	.010	.000	.600	1.43	6.93	38.2	149.	379.	12.6	1.15	6
7	.151	.011	.008	.000	.464	6.43	9.32	73.3	75.7	104.	10.1	1.09	7
8	.144	.010	.008	.000	.267	3.17	2.66	133.	204.	66.1	8.89	1.04	8
9	.129	.008	.006	.276	.013	2.03	47.8	43.8	128.	52.0	9.36	1.02	9
10	.128	.008	.004	.777	.053	.988	26.9	32.5	113.	44.2	7.77	1.00	10
11	.122	.008	.004	.046	.078	.849	5.75	54.9	85.8	35.8	6.80	.987	11
12	.107	.006	.003	.000	.071	1.04	11.7	24.7	235.	31.1	5.97	.974	12
13	.106	.006	.002	.000	.099	.845	19.0	19.6	83.3	27.4	5.10	.961	13
14	.102	.006	.001	.000	.041	15.4	8.07	61.2	83.2	26.5	4.34	.948	14
15	.083	.003	.000	.000	.017	11.2	4.18	36.5	155.	22.3	3.95	.936	15
16	.057	.001	.000	.000	.014	6.37	5.49	22.1	74.9	18.6	3.59	.925	16
17	.045	.000	.000	.000	.029	2.52	7.93	27.4	58.5	15.8	3.23	.915	17
18	.043	.000	.000	.000	.042	1.59	7.70	30.8	48.9	13.8	2.95	.906	18
19	.038	.000	.000	.000	.263	1.08	3.60	47.6	61.1	12.6	2.74	.897	19
20	.037	.000	.000	.000	.754	.723	2.54	40.6	39.9	11.5	2.57	.887	20
21	.037	.009	.000	.000	.349	.652	11.9	21.2	143.	10.5	2.42	.878	21
22	.037	.034	.000	.000	.110	3.10	51.1	31.7	120.	10.2	2.30	.873	22
23	.036	.029	.000	.000	.060	2.12	34.5	206.	66.2	10.0	2.18	.920	23
24	.030	.021	.000	.000	.037	1.33	11.6	378.	56.0	10.5	2.06	.861	24
25	.030	.015	.000	.000	4.30	1.35	6.92	211.	128.	10.1	1.94	.804	25
26	.030	.013	.000	.000	1.39	1.13	4.27	222.	141.	8.93	1.82	.738	26
27	.030	.013	.000	.000	.594	2.00	3.19	231.	67.6	8.31	1.77	.655	27
28	.030	.012	.000	.000	.603	1.60	2.58	151.	53.9	35.4	1.77	.604	28
29	.028	.000	.000	.000	.593	1.08	4.33	139.	123.	26.4	1.72	.555	29
30	.023	.000	.000	.000	.216	1.02	3.30	195.	76.0	19.8	1.57	.518	30
31	.021	.000	.000	.086			7.51	88.7		17.7		.516	31
M0	.091	.011	.003	.036	.392	2.39	10.1	87.8	104.	43.7	6.30	.945	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 17/02 A 07H00
 MAXIMUM INSTANTANE : 675. M3/S LE 24/08 A 01H25

MINIMUM JOURNALIER : .000 M3/S LE 18/02
 MAXIMUM JOURNALIER : 379. M3/S LE 06/10

DEBIT MOYEN ANNUEL : 21.4 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472703905 KPESSIDE LATIT. 9.37.00
 RIVIERE : KARA LONGIT. 0.57.00
 PAYS : TOGO ALTIT. 180 M
 BASSIN : VOLTA AIRE 2790 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.449	-	.000	.036	.000	1.11	10.5	35.1	+	45.1	7.43	1.15	1
2	.408	-	.000	.029	.000	5.38	6.53	33.3	+	43.3	7.02	-	2
3	.362	-	.000	.023	.000	2.56	11.2	334.	+	30.3	6.92	-	3
4	.323	-	.000	.021	.000	1.48	24.1	95.1	+	28.0	6.54	-	4
5	.285	-	.000	.016	.000	5.54	9.03	49.1	137.	27.7	6.03	-	5
6	.246	-	.000	.014	.000	7.34	9.18	32.3	+	102.	5.73	-	6
7	.217	-	.000	.064	.000	7.39	8.24	24.5	106.	118.	5.43	-	7
8	.207	-	.000	.216	.000	3.14	14.7	23.1	121.	51.2	5.13	-	8
9	.176	-	.000	.262	.000	1.77	60.2	33.6	61.7	62.8	4.83	-	9
10	.146	-	.000	.272	.000	3.36	17.5	28.8	72.6	60.2	4.61	.857	10
11	.190	-	.000	.210	.000	5.22	9.34	23.8	43.5	59.0	4.60	.818	11
12	.360	-	.000	.176	.000	4.10	6.46	28.6	35.3	154.	4.47	.816	12
13	.360	-	.000	.140	.000	2.97	12.5	61.2	77.6	60.3	4.07	.816	13
14	.333	.023	.000	.108	.000	3.08	16.2	116.	43.4	46.4	3.83	.816	14
15	.321	.021	.000	.172	.000	4.96	8.05	81.8	26.3	44.3	3.59	.800	15
16	.295	.015	.000	.349	.000	3.21	6.25	117.	117.	52.0	3.42	.762	16
17	.283	.013	.000	.313	.000	2.38	8.54	65.7	86.6	100.	3.34	.746	17
18	.256	.012	.000	.247	.000	1.96	14.7	143.	75.8	42.1	3.08	.699	18
19	.254	.062	1.09	.200	.000	2.07	12.9	71.4	82.4	32.6	2.74	.651	19
20	.254	.155	3.70	.147	.000	2.69	13.4	31.9	67.7	33.3	2.44	.616	20
21	.244	.017	2.24	.123	.562	2.49	214.	141.	53.3	34.3	2.26	.600	21
22	.217	.006	1.15	.103	.556	2.43	43.6	49.1	66.7	31.0	2.07	.553	22
23	.215	.006	.681	.087	.551	2.26	22.3	30.6	63.1	26.1	1.86	.504	23
24	.215	.006	.348	.063	.545	2.07	26.1	30.7	41.6	23.5	1.70	.470	24
25	.215	.006	.200	.023	.539	2.06	44.5	113.	36.1	22.8	1.49	.468	25
26	.207	.086	.122	.014	.533	2.86	21.2	+	35.0	20.7	1.43	.468	26
27	.184	.235	.088	.012	.528	3.40	29.8	179.	36.0	18.3	1.41	.468	27
28	.183	.015	.072	.008	.522	2.80	281.	121.	35.6	15.9	1.36	.468	28
29	.183		.060	.002	1.79	9.33	52.3	160.	65.0	13.0	1.32	.468	29
30	.183		.060	.000	2.17	19.3	50.2	204.	42.2	9.01	1.20	.454	30
31	.183		.054		2.37		71.5	+		7.65		.421	31
MO	.257	-	.319	.115	.344	4.02	36.6	+	+	45.6	3.71	-	MO

- : lacune + : lacune due à une cote hors barème

en caractères gras : données relatives au limnigraphe

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/03 A 07H00

MAXIMUM INSTANTANE : 620. M3/S LE 02/09 A 12H17

MINIMUM JOURNALIER : .000 M3/S LE 02/03

MAXIMUM JOURNALIER : 334. M3/S LE 03/08

KARA A N'MABOUP

N° 1472703913

GENERALITES

- superficie du bassin versant.....: 5.200 Km²
- coordonnées de la station: 09°54'N - 00°34'E
- cote du zero de l'échelle: 111 M (IGN) environ
- amplitude de l'échelle: -0.50 à 8.00 M
- accès: Radier de la piste
GUERINKOUKA-NAMOUK
- date de création: 11.05.1972
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 117
- maximum jaugé: H = 527-524 CM
Q = 472 M³/S
date : 23.08.1978
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 01.01.1983 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-050	00000	140	52.10
-022	00000	200	88.60
-020	0.010	240	118.0
-016	0.100	300	169.0
-010	0.385	380	254.0
000	1.200	460	361.0
020	3.530	540	483.0
030	5.210	650	662.0
040	7.700	750	841.0
060	14.70	800	936.0
100	31.80		

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1472703913 N'MABOUP
RIVIERE : KARA
PAYS : TOGO
BASSIN : VOLTA
DEBITS EN M³/S

LATIT. 9.54.00
LONGIT. 0.34.00
AIRE 5200.00 KM2

ANNEE	JANU	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1973	-	-	-	-	-	11.6	-	-	-	-	-	-	-
1974	-	-	-	-	-	21.6	135.	338.	-	351.	23.5	2.09	-
1975	1.02	.759	1.07	10.2	11.8	15.7	104.	241.	454.	141.	6.34	2.22	82.4
1976	.974	-	-	-	6.25	59.1	89.7	106.	106.	153.	44.1	3.80	-
1977	1.30	-	-	-	4.78	-	26.9	67.5	154.	51.8	2.76	.486	-
1978	.112	.000	.295	2.02	10.8	47.8	-	215.	234.	98.7	-	2.81	-
1979	.965	-	-	.233	-	-	-	-	-	-	-	-	-
1980	-	-	-	.007	-	-	19.9	96.0	-	112.	36.7	1.21	-
1981	-	-	-	1.42	-	-	-	-	227.	54.6	5.96	.121	-
1982	.000	-	.008	.000	-	-	-	-	115.	-	-	-	-
1983	.000	.000	.000	-	-	-	-	-	62.9	14.1	.756	.064	-
1984	.000	-	-	-	1.55	1.25	-	57.2	-	-	4.51	.736	-
1985	-	-	-	.122	3.16	-	-	-	-	-	-	-	-
1986	-	-	-	-	2.61	-	17.0	-	-	-	-	-	-
1987	.361	-	-	-	-	-	-	-	-	-	-	-	-
MOY.	.526	.253	.343	2.00	5.85	26.2	65.4	160.	193.	122.	15.6	1.50	82.4

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472703913 N'NABOUI
 RIVIERE : KARA
 PAYS : TOGO
 BASSIN : VOLTA

LATIT. 9.54.00
 LONGIT. 0.34.00
 AIRE 5200.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	-	.000	-	8.13	-	27.6	60.2	2.11	.195	1
2	.000	.000	.000	-	.000	-	8.07	-	30.1	47.4	1.81	.195	2
3	.000	.000	.000	-	.000	-	21.8	53.2	37.6	42.1	1.67	.189	3
4	.000	.000	.000	-	.000	-	15.2	49.6	27.1	36.4	1.55	.154	4
5	.000	.000	.000	-	.000	-	52.7	51.9	20.2	30.1	1.43	.148	5
6	.000	.000	.000	-	.000	-	119.	43.6	17.4	26.5	1.31	.142	6
7	.000	.000	.000	-	.000	-	90.3	65.0	31.7	25.2	1.14	.106	7
8	.000	.000	.000	-	-	-	48.0	48.2	36.9	22.5	1.04	.100	8
9	.000	.000	.000	-	-	-	42.0	57.8	94.3	19.2	.956	.097	9
10	.000	.000	.000	-	-	-	38.6	106.	47.5	15.9	.874	.080	10
11	.000	.000	.000	-	-	-	34.5	56.5	32.5	13.2	.793	.077	11
12	.000	.000	.000	-	-	-	22.6	70.5	31.0	11.1	.711	.077	12
13	.000	.000	.000	-	-	-	17.3	106.	24.2	9.45	.640	.074	13
14	.000	.000	.000	-	-	-	29.4	66.3	23.9	8.08	.630	.057	14
15	.000	.000	.000	-	-	-	73.6	47.4	60.0	7.31	.620	.055	15
16	.000	.000	.000	-	-	-	57.8	37.5	59.7	6.58	.558	.052	16
17	.000	.000	.000	-	-	-	30.4	34.7	60.1	5.94	.538	.035	17
18	.000	.000	.000	-	-	-	68.6	26.8	84.8	5.16	.477	.032	18
19	.000	.000	.000	-	-	-	42.9	22.8	67.4	4.87	.467	.032	19
20	.000	.000	.000	-	-	-	31.1	21.7	76.6	4.72	.457	.029	20
21	.000	.000	.000	-	-	-	29.0	21.3	47.9	4.60	.389	.012	21
22	.000	.000	.000	-	-	-	25.6	22.4	61.8	4.20	.344	.010	22
23	.000	.000	.000	-	-	-	22.0	19.6	188.	3.80	.332	.010	23
24	.000	.000	.000	-	-	6.16	20.3	15.7	141.	3.47	.296	.009	24
25	.000	.000	.000	-	-	5.51	32.4	13.7	130.	3.24	.290	.005	25
26	.000	.000	.000	-	-	8.08	26.3	15.8	122.	3.01	.290	.005	26
27	.000	.000	.000	-	-	26.3	25.1	22.9	91.8	2.77	.284	.004	27
28	.000	.000	.000	.004	-	15.2	-	49.3	76.6	2.49	.249	.000	28
29	.000	.000	.000	.000	-	10.3	-	56.9	67.5	2.38	.237	.000	29
30	.000	.000	.000	.000	-	8.97	-	38.3	71.0	2.31	.201	.000	30
31	.000	.000	.000	-	-	-	-	36.5	-	2.25	-	.000	31
MO	.000	.000	.000	-	-	-	-	62.9	14.1	.756	.064	MO	

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 231. M3/S LE 23 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 188. M3/S LE 23 SEPT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1472703913 N'NABOUI
 RIVIERE : KARA
 PAYS : TOGO
 BASSIN : VOLTA

LATIT. 9.54.00
 LONGIT. 0.34.00
 AIRE 5200.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	-	.000	2.92	1.07	.800	41.9	181.	228.	12.1	1.56	1
2	.000	.000	.000	.000	2.40	1.24	.632	34.5	197.	138.	8.45	1.49	2
3	.000	.000	.000	.000	2.25	1.20	2.65	78.2	92.2	132.	8.97	1.42	3
4	.000	.000	.000	.000	2.38	1.03	5.79	76.5	107.	345.	8.06	1.32	4
5	.000	.000	.000	.000	4.09	.882	5.06	100.	331.	185.	7.46	1.14	5
6	.000	.000	.000	.000	3.40	.699	3.92	125.	177.	130.	6.71	1.12	6
7	.000	.000	.000	.000	2.44	1.41	2.64	123.	121.	112.	6.11	1.04	7
8	.000	.000	.000	.000	2.01	2.11	2.08	55.7	98.5	-	5.60	.963	8
9	.000	.000	-	.000	1.44	1.55	1.82	60.7	88.9	82.0	5.21	.935	9
10	.000	.000	-	.000	1.14	.969	2.57	71.1	91.6	98.2	4.81	.877	10
11	.000	.000	-	.000	1.88	2.53	2.67	98.6	85.6	104.	4.45	.854	11
12	.000	.000	.000	.000	3.95	2.18	3.98	52.2	82.3	173.	3.97	.796	12
13	.000	.000	.000	.093	3.90	4.05	12.1	59.6	279.	148.	3.73	.788	13
14	.000	.000	.004	.170	2.56	2.08	9.30	100.	222.	108.	4.00	.717	14
15	.000	-	.000	.107	1.59	1.66	17.9	46.1	129.	93.8	4.02	.672	15
16	.000	-	.000	.133	1.19	1.15	-	32.3	98.6	79.8	3.88	.630	16
17	.000	-	.000	.441	.875	.969	14.0	36.8	91.4	65.5	3.86	.630	17
18	.000	-	.000	1.44	.638	.951	11.2	41.1	125.	63.2	3.70	.625	18
19	.000	-	.000	10.9	.550	.880	6.21	43.5	127.	75.7	3.54	.554	19
20	.000	-	.000	5.78	.466	.874	7.28	42.5	86.8	55.5	3.35	.543	20
21	.000	-	.000	3.79	.345	.879	6.75	35.4	73.7	54.7	3.07	.473	21
22	.000	-	.000	2.86	.294	.940	7.47	42.0	76.1	50.8	2.94	.462	22
23	.000	-	.000	2.32	.370	.801	7.32	40.9	61.8	41.3	2.62	.391	23
24	.000	-	.000	3.00	1.32	.669	6.44	31.9	55.6	38.2	2.51	.385	24
25	.000	-	.000	15.3	.704	.484	5.05	28.9	60.7	29.8	2.38	.385	25
26	.000	-	.000	-	.494	.565	5.31	47.9	46.6	25.3	2.30	.362	26
27	.000	-	.000	4.85	.639	.919	21.0	84.8	-	20.8	2.03	.338	27
28	.000	-	.000	3.94	.404	.876	68.2	48.4	63.4	18.3	1.90	.338	28
29	.000	-	.000	-	.424	.814	38.1	32.2	117.	16.7	1.78	.338	29
30	.000	.000	-	.470	1.01	25.7	27.9	123.	123.	14.5	1.67	.338	30
31	.000	.000	.000	.558	-	27.9	30.8	-	-	13.7	-	.338	31
MO	.000	-	-	-	1.55	1.25	-	57.2	-	-	4.51	.736	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 448. M3/S LE 5 SEPT A 07H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 345. M3/S LE 4 OCTO

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1985

STATION : 1472703913 N'NABOUP
 RIVIERE : KARA
 PAYS : TOGO
 BASSIN : VOLTA

LATIT. 9.54.00
 LONGIT. 0.34.00
 AIRE 5200.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	.000	.094	1.62	9.07	28.5	108.	111.	16.7	-	1
2	-	-	.000	.000	.103	2.51	5.97	82.1	-	115.	11.9	-	2
3	-	-	.000	.000	1.25	2.35	10.1	107.	-	476.	10.7	-	3
4	-	-	.000	.000	16.3	1.90	91.1	91.1	-	486.	9.48	-	4
5	-	-	.000	.000	10.0	2.99	132.	77.9	-	399.	8.11	-	5
6	-	-	.000	.000	6.34	2.62	69.7	64.9	-	-	7.22	-	6
7	-	-	.000	.000	5.18	2.14	41.5	102.	-	153.	6.59	-	7
8	-	-	.000	.000	3.69	2.10	49.6	99.4	-	123.	6.11	-	8
9	-	-	.000	.000	2.69	4.99	42.2	69.4	-	104.	5.83	-	9
10	-	-	.000	.000	2.03	2.69	25.9	71.0	339.	95.3	5.47	-	10
11	-	-	.000	.000	1.56	2.43	23.8	-	-	91.3	5.29	-	11
12	-	-	.000	.000	1.14	2.12	56.6	-	-	88.7	7.17	-	12
13	-	-	.000	.000	1.05	1.46	53.0	-	161.	85.7	5.99	-	13
14	-	-	.000	.000	1.04	1.06	32.1	421.	155.	73.2	6.40	-	14
15	-	-	.000	.000	1.00	-	81.5	-	146.	63.9	-	-	15
16	-	-	.000	.000	.871	-	59.7	399.	-	55.1	4.82	-	16
17	-	-	.000	.016	.680	3.42	61.5	-	-	49.5	4.46	-	17
18	-	-	.000	.380	.550	2.83	48.8	-	-	43.5	4.18	-	18
19	-	-	.000	.944	.469	2.36	29.2	126.	333.	39.9	3.59	-	19
20	-	-	.000	.725	1.02	4.72	24.7	-	-	32.8	3.31	-	20
21	-	-	.000	.415	8.56	3.70	-	-	157.	26.6	3.24	-	21
22	-	-	.000	.291	5.60	17.9	-	120.	138.	24.6	3.12	-	22
23	-	-	.000	.244	3.90	15.1	-	104.	105.	21.8	2.95	-	23
24	-	-	.000	.196	3.25	10.2	-	-	125.	19.3	2.84	-	24
25	-	-	.000	.149	3.41	6.82	-	-	116.	16.9	-	-	25
26	-	-	.000	.103	4.67	5.20	-	-	118.	15.0	3.05	-	26
27	-	-	.000	.082	3.52	4.22	-	-	-	14.2	2.96	-	27
28	-	-	.000	.055	2.46	5.40	-	-	-	13.0	-	-	28
29	-	-	.000	.033	2.08	5.18	-	-	160.	11.9	-	-	29
30	-	-	-	.026	1.85	8.56	29.5	162.	137.	11.6	-	-	30
31	-	-	-	-	1.67	-	26.9	143.	-	12.9	-	-	31
MO	-	-	-	.122	3.16	-	-	-	-	-	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 MARS A 07H00
 MAXIMUM INSTANTANE : 631. M3/S LE 3 OCTO A 19H00

MINIMUM JOURNALIER : .000 M3/S LE 2 MARS
 MAXIMUM JOURNALIER : 486. M3/S LE 4 OCTO

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1986

STATION : 1472703913 N'NABOUP
 RIVIERE : KARA
 PAYS : TOGO
 BASSIN : VOLTA

LATIT. 9.54.00
 LONGIT. 0.34.00
 AIRE 5200.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.874	-	.026	-	1.33	3.08	6.07	13.7	226.	126.	-	-	1
2	.874	-	.094	-	1.13	2.98	6.96	73.8	392.	101.	-	-	2
3	.874	-	.098	-	1.00	2.50	3.51	37.8	237.	89.6	-	-	3
4	.874	-	.079	-	.876	2.14	2.47	23.1	176.	90.6	-	-	4
5	.869	-	.077	-	.883	1.79	2.15	18.3	302.	167.	-	-	5
6	.799	-	.074	-	2.62	1.72	2.51	17.9	238.	329.	-	-	6
7	.793	-	.025	-	2.77	2.73	4.78	46.3	243.	366.	-	-	7
8	.788	-	.003	-	2.28	9.85	4.06	152.	351.	186.	-	-	8
9	.717	-	.000	-	2.54	-	14.6	136.	-	136.	-	-	9
10	.711	-	.000	-	2.36	-	59.6	68.2	-	116.	-	-	10
11	.711	-	.004	2.82	2.02	7.63	39.5	57.4	250.	110.	-	-	11
12	.711	-	.000	2.06	1.74	6.41	29.6	67.3	238.	93.9	-	-	12
13	.706	-	.000	1.33	1.55	4.03	37.5	47.3	273.	83.4	-	-	13
14	.636	-	.000	1.06	1.45	4.30	40.6	47.6	270.	74.9	-	-	14
15	.630	-	.000	.876	1.59	5.24	23.5	94.8	259.	68.2	-	-	15
16	.625	-	.000	.795	1.54	21.3	15.8	74.9	207.	55.6	-	-	16
17	.554	-	.000	.713	1.99	14.2	20.0	-	176.	43.8	-	-	17
18	.548	-	.000	.632	2.25	10.1	22.7	-	136.	38.6	-	-	18
19	.543	-	.000	.554	1.81	6.96	15.4	-	117.	35.3	-	-	19
20	.473	-	.000	.543	1.78	5.03	12.0	-	108.	-	-	-	20
21	.467	-	.000	.473	1.78	4.07	8.19	65.1	165.	32.3	-	-	21
22	.467	-	.000	.500	1.78	3.54	6.78	50.2	272.	-	-	-	22
23	.467	-	-	.990	2.20	3.56	45.2	163.	203.	-	-	-	23
24	-	-	-	.958	5.26	3.67	38.5	463.	-	-	-	-	24
25	-	-	-	.876	4.45	3.13	18.8	437.	-	-	-	-	25
26	-	-	-	.795	4.05	5.25	14.0	307.	258.	-	-	-	26
27	-	-	-	.713	3.77	5.21	10.7	394.	164.	-	-	-	27
28	-	-	-	.758	5.22	4.54	5.86	302.	126.	-	-	-	28
29	-	-	-	1.99	7.40	3.58	6.11	202.	112.	-	-	-	29
30	-	-	-	1.68	5.93	3.54	5.21	300.	153.	46.2	-	-	30
31	-	-	-	-	3.59	-	5.14	408.	-	38.5	-	-	31
MO	-	-	-	-	2.61	-	17.0	-	-	-	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 8 MARS A 18H00
 MAXIMUM INSTANTANE : 600. M3/S LE 24 AOUT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 9 MARS
 MAXIMUM JOURNALIER : 463. M3/S LE 24 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1472703913 N'NABOUI
 RIVIERE : KARA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 9.54.00
 LONGIT. 0.34.00
 AIRE 5200.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.548	.071	.000	-	-	-	-	-	-	-	-	-	1
2	.548	.050	.000	-	-	-	-	-	-	-	-	-	2
3	.548	.033	.000	-	-	-	-	-	-	-	-	-	3
4	.548	.032	.000	-	-	-	-	-	-	-	-	-	4
5	.548	.032	.000	-	-	-	-	-	-	-	-	-	5
6	.548	.032	.000	-	-	-	-	-	-	-	-	-	6
7	.528	.026	.000	-	-	-	-	-	-	-	-	-	7
8	.948	.011	.000	-	-	-	-	-	-	-	-	-	8
9	1.79	.010	.000	-	-	-	-	-	-	-	-	-	9
10	.458	.010	.000	-	-	-	-	-	-	-	-	-	10
11	.340	.008	.000	-	-	-	-	-	-	-	-	-	11
12	.326	.005	.000	-	-	-	-	-	-	-	-	-	12
13	.292	.005	.000	-	-	-	-	-	-	-	-	-	13
14	.290	.005	.000	-	-	-	-	-	-	-	-	-	14
15	.290	.003	.000	-	-	-	-	-	-	-	-	-	15
16	.278	.000	.000	-	-	-	-	-	-	-	-	-	16
17	.245	.000	.000	-	-	-	-	-	-	-	-	-	17
18	.243	.000	.000	-	-	-	-	-	-	-	-	-	18
19	.243	-	.000	-	-	-	-	-	-	-	-	-	19
20	.231	-	.000	-	-	-	-	-	-	-	-	-	20
21	.197	.000	.000	-	-	-	-	-	-	-	-	-	21
22	.195	.000	-	-	-	-	-	-	-	-	-	-	22
23	.183	.000	-	-	-	-	-	-	-	-	-	-	23
24	.150	.000	-	-	-	-	-	-	-	-	-	-	24
25	.136	.000	-	-	-	-	-	-	-	-	-	-	25
26	.102	.000	-	-	-	-	-	-	-	-	-	-	26
27	.100	.000	.157	-	-	-	-	-	-	-	-	-	27
28	.094	.000	.096	-	-	-	-	-	-	-	-	-	28
29	.078	-	.071	-	-	-	-	-	-	-	-	-	29
30	.077	-	.055	-	-	-	-	-	-	-	-	-	30
31	.077	-	.055	-	-	-	-	-	-	-	-	-	31
MO	.361	-	-	-	-	-	-	-	-	-	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 16 FEVR A 07H00
 MAXIMUM INSTANTANE : 2.37 M3/S LE 9 JANV A 07H00

MINIMUM JOURNALIER : .000 M3/S LE 17 FEVR
 MAXIMUM JOURNALIER : 1.79 M3/S LE 9 JANV

KOIMEPOUARBAGA A NAGBENI

N° 1472704203

GENERALITES

- superficie du bassin versant.....: 208 Km²
- coordonnées de la station: 10°36'N - 00°24'E
- cote du zero de l'échelle: 170m (IGN) environ
- amplitude de l'échelle: 0 à 4.00m
- accès: Pont de la route
GALANGACHI-NAGBENI.
- date de création: 16.05.1982
- cadence des relevés: 2 relevés par jour.

TARAGE

- nombre de jaugeages au 31.12.87: 102
- maximum jaugé: H = 289 CM
Q = 15.3 M³/S
date : 20.08.1963
- nombre de tarages entre 1983 et 1987: 02
- dernier étalonnage utilisé :
valide du 30.08.1983 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-020	0.000	140	2.390
022	0.000	160	2.840
025	0.006	200	3.950
030	0.036	220	4.650
035	0.104	250	6.600
045	0.285	270	9.050
065	0.680	290	13.20
100	1.450	300	16.00

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1472704203 NAGBENI
 RIVIERE : KOIMEPOUARBAGA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.36.00
 LONGIT. 0.24.00
 ALTIT. 170M
 AIRE 208.000 KM2

ANNEE	JANV	FEBV	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1962	-	-	-	-	-	.305	-	3.92	-	-	-	-	-
1963	-	.055	.043	.001	.259	-	-	8.06	5.40	1.95	1.02	.229	-
1964	-	-	.048	.005	.008	.174	.778	3.62	9.15	2.15	.469	.232	-
1965	.088	.023	.002	.004	-	-	-	-	-	-	-	-	-
1966	-	.007	.000	.088	.044	.091	.876	1.64	4.70	2.67	.749	.566	-
1967	.081	.011	.000	.000	.055	.255	.225	2.83	7.76	2.60	.332	.113	1.19
1968	.025	.003	.000	.000	.018	.587	8.13	6.57	2.46	1.13	.380	.138	1.62
1969	.020	-	.000	.040	.011	.000	.362	2.61	12.5	2.21	.391	.168	-
1970	.108	.089	.002	-	-	.000	.062	2.25	10.7	-	.238	.065	-
1971	.016	.004	-	.000	.057	.027	.682	5.88	5.81	1.05	.176	.046	-
1972	.009	.000	.000	.000	.000	.154	.165	.742	1.49	1.42	.237	.041	.605
1973	.009	.000	.000	.000	.000	.006	.308	3.14	2.99	.724	.228	.082	.624
1974	.012	.000	.000	.000	.000	.000	.483	4.68	7.92	1.70	.341	.068	1.27
1975	.020	.001	.000	.000	.034	.149	1.19	1.13	2.44	1.66	.304	.083	.584
1976	.025	.001	.000	.000	.634	.471	.371	1.38	.721	.570	.395	.044	.384
1977	.010	.000	.000	.000	.016	-	-	2.96	2.12	.439	.062	.003	-
1978	.000	.000	.018	.003	.042	.558	1.12	.821	1.76	.424	.071	-	-
1979	.006	.000	.000	.000	.033	.204	.270	3.48	8.08	1.70	.456	-	-
1980	.034	.008	.000	.000	.000	.191	.135	4.23	7.77	1.41	.386	.038	1.18
1981	.003	.000	.000	.000	.002	.192	.597	3.70	3.64	.606	.084	.018	.737
1982	.000	.000	.000	.000	-	.024	.373	1.30	5.27	1.33	.218	.067	-
1983	.021	.000	.000	.000	.000	.000	.296	.558	2.12	.512	.117	.057	.307
1984	.000	.000	.000	.000	.176	.131	.083	.656	1.06	.364	.088	.033	.216
1985	.000	.000	.000	.000	.098	.005	.340	1.56	1.43	.504	.084	.048	.339
1986	.000	.000	.000	.000	.093	.410	.965	3.51	3.58	.587	.363	.063	.798
1987	.000	.000	.000	.000	.000	.151	.340	2.33	5.51	1.65	.264	-	-
MOY.	.022	.008	.004	.005	.071	.178	.825	3.06	4.97	1.41	.311	.105	.758

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1472704203 NAGBENI LATIT. 10.36.00
 RIVIERE : KOIMEPOUARBA6A LONGIT. 0.24.00
 PAYS : T060 ALTIT. 170M
 BASSIN : VOLTA AIRE 208.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.040	.000	.000	.000	.000	.000	.000	.187	1.31	1.31	.197	.053	1
2	.040	.000	.000	.000	.000	.000	.000	.184	2.14	1.16	.193	.053	2
3	.040	.000	.000	.000	.000	.000	.000	.156	2.49	1.07	.178	.051	3
4	.039	.000	.000	.000	.000	.000	.000	.142	2.21	.959	.174	.053	4
5	.031	.000	.000	.000	.000	.000	.000	.140	1.65	.918	.167	.051	5
6	.030	.000	.000	.000	.000	.000	.000	.178	1.37	.855	.206	.053	6
7	.030	.000	.000	.000	.000	.000	.000	1.20	1.20	.760	.204	.053	7
8	.030	.000	.000	.000	.000	.000	.000	.871	1.05	.693	.149	.053	8
9	.030	.000	.000	.000	.000	.000	.000	.506	.912	.651	.138	.051	9
10	.030	.000	.000	.000	.000	.000	.000	.343	.826	.611	.124	.054	10
11	.030	.000	.000	.000	.000	.000	.085	.280	1.30	.570	.120	.073	11
12	.030	.000	.000	.000	.000	.000	.795	.266	.967	.513	.106	.080	12
13	.030	.000	.000	.000	.000	.000	.879	.302	1.09	.483	.104	.101	13
14	.030	.000	.000	.000	.000	.000	.586	.227	1.51	.453	.102	.101	14
15	.030	.000	.000	.000	.000	.000	.760	.209	3.00	.423	.092	.080	15
16	.030	.000	.000	.000	.000	.000	.518	.185	7.23	.394	.090	.076	16
17	.030	.000	.000	.000	.000	.000	.525	.161	3.76	.365	.092	.076	17
18	.030	.000	.000	.000	.000	.000	.601	.182	1.71	.344	.101	.076	18
19	.028	.000	.000	.000	.000	.000	.553	.142	2.94	.327	.092	.076	19
20	.020	.000	.000	.000	.000	.000	.496	.129	2.70	.323	.088	.078	20
21	.016	.000	.000	.000	.000	.000	.410	.134	2.33	.305	.078	.088	21
22	.002	.000	.000	.000	.000	.000	.358	.116	2.30	.285	.076	.085	22
23	.000	.000	.000	.000	.000	.000	.339	.126	3.14	.269	.076	.054	23
24	.000	.000	.000	.000	.000	.000	.500	.121	2.80	.267	.076	.047	24
25	.000	.000	.000	.000	.000	.000	.377	.163	2.52	.263	.080	.037	25
26	.000	.000	.000	.000	.000	.000	.309	1.04	2.26	.236	.101	.031	26
27	.000	.000	.000	.000	.000	.000	.260	1.28	2.09	.229	.097	.004	27
28	.000	.000	.000	.000	.000	.000	.219	1.47	1.85	.215	.059	.000	28
29	.000	.000	.000	.000	.000	.000	.216	3.24	1.63	.213	.071	.000	29
30	.000	.000	.000	.000	.000	.000	.203	1.98	1.45	.213	.064	.000	30
31	.000	.000	.000	.000	.000	.000	.201	1.63		.211		.000	31
MO	.021	.000	.000	.000	.000	.000	.296	.558	2.12	.512	.117	.057	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 22 JANV A 12H00
 MAXIMUM INSTANTANE : 7.95 M3/S LE 16 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 23 JANV
 MAXIMUM JOURNALIER : 7.23 M3/S LE 16 SEPT

DEBIT MOYEN ANNUEL : .307 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1472704203 NAGBENI LATIT. 10.36.00
 RIVIERE : KOIMEPOUARBA6A LONGIT. 0.24.00
 PAYS : T060 ALTIT. 170M
 BASSIN : VOLTA AIRE 208.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.274	.037	.100	1.31	.946	.122	.036	1
2	.000	.000	.000	.000	.000	.268	.036	.102	3.56	.928	.122	.036	2
3	.000	.000	.000	.000	.000	.186	.036	.103	2.61	.792	.122	.036	3
4	.000	.000	.000	.000	.000	.142	.036	.386	1.68	.673	.121	.036	4
5	.000	.000	.000	.000	.000	.122	.036	.892	1.20	.573	.105	.036	5
6	.000	.000	.000	.000	.000	.105	.036	.780	.931	.511	.104	.036	6
7	.000	.000	.000	.000	.000	.103	.058	.801	.828	.473	.104	.036	7
8	.000	.000	.000	.000	.000	.090	.281	.513	.818	.443	.104	.036	8
9	.000	.000	.000	.000	.000	.076	.146	.411	.629	.446	.104	.036	9
10	.000	.000	.000	.000	.000	.064	.079	.451	.526	.482	.104	.036	10
11	.000	.000	.000	.000	.000	.064	.051	.361	.484	.441	.103	.036	11
12	.000	.000	.000	.000	.000	.077	.048	.302	.617	.481	.092	.036	12
13	.000	.000	.000	.000	.000	.164	.037	.423	.657	.398	.102	.036	13
14	.000	.000	.000	.000	.000	.304	.042	1.19	.520	.337	.091	.036	14
15	.000	.000	.000	.000	.000	.540	.049	.718	.539	.315	.090	.036	15
16	.000	.000	.000	.000	.000	.252	.048	.448	.494	.305	.089	.036	16
17	.000	.000	.000	.000	.000	.209	.037	.335	.449	.292	.077	.036	17
18	.000	.000	.000	.000	.000	.152	.036	.386	.837	.250	.076	.036	18
19	.000	.000	.000	.000	.000	.127	.036	1.10	1.11	.232	.076	.036	19
20	.000	.000	.000	.000	.000	.067	.046	1.24	.918	.230	.076	.036	20
21	.000	.000	.000	.000	.171	.063	.049	1.74	.848	.213	.076	.036	21
22	.000	.000	.000	.000	.589	.056	.050	1.88	1.47	.196	.076	.036	22
23	.000	.000	.000	.000	.383	.050	.062	1.11	1.36	.186	.076	.036	23
24	.000	.000	.000	.000	.275	.062	.215	.634	1.09	.175	.076	.036	24
25	.000	.000	.000	.000	.154	.063	.262	.479	.848	.159	.075	.036	25
26	.000	.000	.000	.000	.149	.062	.131	.367	.692	.157	.064	.036	26
27	.000	.000	.000	.000	1.08	.050	.105	.464	.885	.139	.063	.036	27
28	.000	.000	.000	.000	1.71	.049	.104	.883	1.64	.129	.062	.036	28
29	.000	.000	.000	.000	.461	.049	.107	.704	1.17	.122	.046	.033	29
30	.000	.000	.000	.000	.268	.048	.140	.507	.983	.122	.036	.002	30
31	.000	.000	.000	.208		.145	.430		.122		.000		31
MO	.000	.000	.000	.000	.176	.131	.083	.656	1.06	.364	.088	.033	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 3.84 M3/S LE 2 SEPT A 06H30

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 3.56 M3/S LE 2 SEPT

DEBIT MOYEN ANNUEL : .216 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1472704203 NAGBENI
 RIVIERE : KOIMEPOUARBAGA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.36.00
 LONGIT. 0.24.00
 ALTIT. 170M
 AIRE 208.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.090	.000	.392	.920	1.01	.140	.076	1
2	.000	.000	.000	.000	.000	.057	.000	.672	.928	.915	.140	.075	2
3	.000	.000	.000	.000	.000	.019	.000	1.12	1.18	1.02	.131	.064	3
4	.000	.000	.000	.000	.000	.000	.000	.707	1.22	1.30	.121	.063	4
5	.000	.000	.000	.000	.000	.000	.026	.661	1.12	1.15	.105	.063	5
6	.000	.000	.000	.000	.000	.000	.076	.591	1.43	1.02	.103	.053	6
7	.000	.000	.000	.000	.000	.000	.069	.686	2.05	.900	.091	.063	7
8	.000	.000	.000	.000	.000	.000	.003	.870	2.18	.773	.083	.053	8
9	.000	.000	.000	.000	.000	.000	.000	.729	1.83	.691	.070	.062	9
10	.000	.000	.000	.000	.000	.000	.000	1.11	1.59	.613	.063	.050	10
11	.000	.000	.000	.000	.000	.000	.000	1.61	1.41	.554	.062	.049	11
12	.000	.000	.000	.000	.000	.000	.000	1.25	1.39	.512	.050	.049	12
13	.000	.000	.000	.000	.000	.000	.000	1.01	1.46	1.50	.465	.063	13
14	.000	.000	.000	.000	.000	.000	.409	6.28	1.40	.432	.076	.049	14
15	.000	.000	.000	.000	.000	.000	.363	5.32	1.22	.404	.076	.049	15
16	.000	.000	.000	.000	.000	.000	.081	2.88	1.09	.383	.076	.049	16
17	.000	.000	.000	.000	.000	.000	.086	2.48	1.13	.338	.076	.049	17
18	.000	.000	.000	.000	.690	.000	.608	2.52	1.51	.324	.076	.048	18
19	.000	.000	.000	.000	1.79	.000	1.57	1.94	2.34	.305	.076	.037	19
20	.000	.000	.000	.000	.289	.000	2.60	1.52	2.27	.282	.076	.036	20
21	.000	.000	.000	.000	.130	.000	1.39	1.30	1.85	.235	.076	.036	21
22	.000	.000	.000	.000	.070	.000	.650	1.08	1.57	.230	.076	.036	22
23	.000	.000	.000	.000	.043	.000	.466	.942	1.48	.214	.076	.036	23
24	.000	.000	.000	.000	.018	.000	.375	.855	1.29	.212	.076	.036	24
25	.000	.000	.000	.000	.000	.000	.281	.926	1.11	.196	.076	.036	25
26	.000	.000	.000	.000	.000	.000	.250	1.42	1.10	.350	.076	.036	26
27	.000	.000	.000	.000	.000	.000	.304	1.90	1.14	.203	.076	.036	27
28	.000	.000	.000	.000	.000	.000	.224	1.63	1.15	.159	.076	.036	28
29	.000	.000	.000	.000	.000	.000	.214	1.38	1.25	.157	.076	.036	29
30	.000	.000	.000	.000	.000	.000	.218	1.21	1.14	.141	.076	.036	30
31	.000	.000	.000	.026	.000	.179	1.06	.140	.036	.036	.036	.036	31
MO	.000	.000	.000	.000	.098	.005	.340	1.56	1.43	.504	.084	.048	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 8.44 M3/S LE 14 AOUT A 17H30

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 6.28 M3/S LE 14 AOUT

DEBIT MOYEN ANNUEL : .339 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1472704203 NAGBENI
 RIVIERE : KOIMEPOUARBAGA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.36.00
 LONGIT. 0.24.00
 ALTIT. 170M
 AIRE 208.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.103	8.04	3.24	1.55	.393	.105	1
2	.000	.000	.000	.000	.000	.000	.229	9.26	4.07	1.42	1.33	.104	2
3	.000	.000	.000	.000	.000	.039	.100	6.61	8.24	1.30	1.27	.104	3
4	.000	.000	.000	.000	.000	.860	.069	3.95	6.52	1.21	.897	.104	4
5	.000	.000	.000	.000	.000	3.70	.209	3.18	5.08	1.17	.684	.103	5
6	.000	.000	.000	.000	.000	2.51	.106	6.62	4.62	1.10	.557	.091	6
7	.000	.000	.000	.000	.000	.533	.083	4.67	3.80	1.00	.497	.090	7
8	.000	.000	.000	.000	.000	.244	.061	3.31	3.63	.901	.611	.090	8
9	.000	.000	.000	.000	.000	.111	.140	2.73	4.31	.775	.432	.090	9
10	.000	.000	.000	.000	.000	.097	.587	2.48	5.44	.712	.441	.089	10
11	.000	.000	.000	.000	.000	.064	.301	5.00	5.48	.662	.366	.077	11
12	.000	.000	.000	.000	.000	.073	.276	4.61	4.75	.618	.289	.076	12
13	.000	.000	.000	.000	.000	.126	.176	3.18	4.56	.528	.249	.076	13
14	.000	.000	.000	.000	.000	1.40	.089	2.60	3.65	.483	.232	.076	14
15	.000	.000	.000	.000	.000	1.04	.571	2.30	3.29	.462	.230	.076	15
16	.000	.000	.000	.000	.000	.301	.704	2.02	3.22	.425	.214	.064	16
17	.000	.000	.000	.000	.000	.163	.421	1.80	2.85	.374	.213	.063	17
18	.000	.000	.000	.000	.000	.091	.233	1.84	2.52	.308	.213	.063	18
19	.000	.000	.000	.000	.000	.083	.141	1.79	2.28	.304	.210	.063	19
20	.000	.000	.000	.000	.000	.061	.078	1.90	2.11	.287	.162	.062	20
21	.000	.000	.000	.000	.000	.107	.107	1.72	2.49	.285	.158	.050	21
22	.000	.000	.000	.000	.000	.214	.694	1.50	3.74	.284	.158	.049	22
23	.000	.000	.000	.000	.000	.112	1.40	1.43	2.81	.260	.158	.049	23
24	.000	.000	.000	.000	.000	.091	2.46	4.10	2.44	.249	.157	.048	24
25	.000	.000	.000	.000	.000	.083	2.63	4.29	2.26	.249	.141	.034	25
26	.000	.000	.000	.000	.000	.051	1.52	3.23	2.60	.248	.140	.025	26
27	.000	.000	.000	.000	.253	.036	1.29	2.83	2.21	.232	.139	.016	27
28	.000	.000	.000	.000	2.02	.036	6.23	2.44	1.96	.231	.123	.007	28
29	.000	.000	.000	.000	.595	.036	4.14	2.19	1.75	.227	.122	.000	29
30	.000	.000	.000	.000	.023	.039	2.48	3.08	1.61	.164	.121	.000	30
31	.000	.000	.000	.000	.000	.000	2.28	3.97	.169	.000	.000	.000	31
MO	.000	.000	.000	.000	.093	.410	.965	3.51	3.58	.587	.363	.063	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 9.67 M3/S LE 2 AOUT A 07H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 9.25 M3/S LE 2 AOUT

DEBIT MOYEN ANNUEL : .798 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1472704203 NAGBENI
 RIVIERE : KOIMEPOUARBAGA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.35.00
 LONGIT. 0.24.00
 ALTIT. 170M
 AIRE 208.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.092	1.57	3.53	3.23	.308	-	1
2	.000	.000	.000	.000	.000	.000	.070	1.38	7.27	2.57	.304	-	2
3	.000	.000	.000	.000	.000	.000	.063	1.05	6.88	2.57	.287	-	3
4	.000	.000	.000	.000	.000	.181	.049	.932	7.81	3.41	.285	-	4
5	.000	.000	.000	.000	.000	2.81	.036	.796	8.36	4.22	.284	-	5
6	.000	.000	.000	.000	.000	.476	.036	.735	9.57	3.30	.268	-	6
7	.000	.000	.000	.000	.000	.105	.036	.805	8.16	2.70	.267	-	7
8	.000	.000	.000	.000	.000	.077	.033	2.47	6.11	2.31	.268	-	8
9	.000	.000	.000	.000	.000	.061	.002	2.65	4.74	3.32	.284	-	9
10	.000	.000	.000	.000	.000	.037	.160	1.98	4.84	2.99	.285	-	10
11	.000	.000	.000	.000	.000	.036	.111	2.03	4.41	2.47	.285	-	11
12	.000	.000	.000	.000	.000	.036	.126	2.57	3.86	1.64	.285	-	12
13	.000	.000	.000	.000	.000	.017	.366	2.67	3.67	1.43	.276	.104	13
14	.000	.000	.000	.000	.000	.000	.092	2.13	3.37	1.47	.267	.104	14
15	.000	.000	.000	.000	.000	.000	.110	1.80	9.09	1.20	.268	.104	15
16	.000	.000	.000	.000	.000	.000	.103	1.54	10.6	1.33	.284	.104	16
17	.000	.000	.000	.000	.000	.000	.175	1.37	8.67	1.35	.285	.100	17
18	.000	.000	.000	.000	.000	.000	.969	1.20	6.90	1.28	.284	.090	18
19	.000	.000	.000	.000	.000	.000	1.57	1.08	5.08	1.15	.268	.090	19
20	.000	.000	.000	.000	.000	.000	.726	1.03	4.20	1.11	.267	.090	20
21	.000	.000	.000	.000	.000	.000	.702	1.02	3.84	1.04	.267	.086	21
22	.000	.000	.000	.000	.000	.000	.945	.967	3.48	.925	.267	.077	22
23	.000	.000	.000	.000	.000	.000	.676	1.34	3.49	.645	.266	.076	23
24	.000	.000	.000	.000	.000	.000	.493	3.62	3.27	.490	.250	.076	24
25	.000	.000	.000	.000	.000	.000	.412	7.82	2.80	.463	.249	.076	25
26	.000	.000	.000	.000	.000	.025	.350	7.60	3.15	.461	.248	.076	26
27	.000	.000	.000	.000	.000	.185	.256	5.05	3.21	.426	.230	.076	27
28	.000	.000	.000	.000	.000	.101	.205	4.36	5.95	.421	.204	.075	28
29	.000	.000	.000	.000	.000	.159	.448	3.60	5.11	.387	.178	.072	29
30	.000	.000	.000	.000	.000	.214	.433	2.76	3.88	.382	.153	.068	30
31	.000	.000	.000	.000	.000	.675	2.44	.345	.065	.065	.065	.065	31
MO	.000	.000	.000	.000	.000	.151	.340	2.33	5.51	1.65	.264	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00

MAXIMUM INSTANTANE : 10.7 M3/S LE 16 SEPT A 07H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV

MAXIMUM JOURNALIER : 10.6 M3/S LE 16 SEPT

MO A ROUTE SOKODE-BASSAR
(Ancien pont)

N° 1472705110

GENERALITES

- superficie du bassin versant.....: 475 Km²
- coordonnées de la station: 09°05'N - 01°03'E
- cote du zero de l'échelle:
- amplitude de l'échelle: 0 à 7.00 m.
- accès: Par l'ancienne route SOKODE-BASSAR
- date de création: 26.04.1976
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 89
- maximum jaugé: H = 229-226 CM
Q = 25.1 M³/S
date : 02.09.1979
- nombre de tarages entre 1983 et 1987: 02
- dernier étalonnage utilisé :
valide du 10.07.1986 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-020	0.0000	100	1.320
045	0.0000	110	1.980
050	0.002	120	2.810
055	0.012	130	3.840
060	0.054	140	5.090
065	0.132	160	8.220
070	0.230	180	12.20
080	0.466	220	22.70
090	0.817	250	32.60
		300	50.80

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1472705110 RTE SOKODE-BASSAR
RIVIERE : MO
PAYS : TOGO
BASSIN : VOLTA
DEBITS EN M3/S

LATIT. 9.06.00
LONGIT. 1.03.00
AIRE 475.000 KM2

ANNEE	JANV	FEV	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1976	-	-	-	-	.266	+	+	8.68	+	+	5.74	-	-
1977	-	-	.004	-	.270	-	+	4.59	+	4.75	-	-	-
1978	-	.002	.412	-	-	-	+	+	-	+	-	-	-
1979													
1980	-	.061	.004	.003	-	.779	+	+	+	4.33	1.05	.196	-
1981	.039	.002	.000	.040	-	-	-	+	4.30	1.93	.129	.019	-
1982	.000	-	.000	.092	.290	.218	1.96	1.78	+	1.17	.376	.037	-
1983	.000	.000	.000	.030	.000	.437	-	+	2.06	.404	.026	.000	-
1984	.000	.000	.021	.320	.101	.159	+	2.63	3.52	1.65	.084	.000	-
1985	.000	.000	.005	.026	.028	.060	.809	+	+	+	.305	-	-
1986	-	.000	.000	.000	.033	.200	1.69	2.62	+	3.90	.744	.018	-
1987	.000	.000	.000	.000	.109	.373	1.11	+	+	3.76	.156	.044	-
MOY.	.006	.008	.044	.063	.137	.318	1.39	4.06	3.29	2.74	.962	.044	-

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1472705110 RTE SOKODE-BASSAR
 RIVIERE : MO
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 9.06.00
 LONGIT. 1.03.00

AIRE 475.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.006	.000	.000	.000	.000	.000	.311	1.71	.988	1.19	.062	.005	1
2	.005	.000	.000	.069	.000	.000	.210	1.25	.819	1.04	.056	.005	2
3	.006	.000	.000	.576	.000	.000	.951	1.14	.753	1.03	.052	.004	3
4	.005	.000	.000	.139	.000	.001	3.02	1.27	.745	.891	.046	.003	4
5	.003	.000	.000	.053	.000	.000	6.20	.856	1.02	.888	.043	.003	5
6	.001	.000	.000	.030	.000	.000	3.40	1.63	1.44	.901	.042	.001	6
7	.001	.000	.000	.017	.000	.000	6.94	1.92	1.86	.773	.039	.000	7
8	.000	.000	.000	.008	.000	.000	2.85	+	8.90	.680	.036	.000	8
9	.000	.000	.000	.005	.000	.000	.901	+	2.90	.568	.034	.000	9
10	.000	.000	.000	.005	.000	.000	1.16	11.6	2.19	.286	.032	.000	10
11	.000	.000	.000	.005	.000	.000	.781	3.33	1.61	.315	.029	.000	11
12	.000	.000	.000	.003	.000	.000	.665	2.38	1.38	.376	.022	.000	12
13	.000	.000	.000	.003	.000	.098	2.98	1.46	1.40	.340	.021	.000	13
14	.000	.000	.000	.000	.000	.298	28.6	1.26	3.43	.276	.019	.000	14
15	.000	.000	.000	.000	.000	.152	16.9	1.14	2.20	.322	.019	.000	15
16	.000	.000	.000	.000	.000	.393	1.07	1.04	1.58	.376	.019	.000	16
17	.000	.000	.000	.000	.000	.374	4.39	.685	2.40	.280	.019	.000	17
18	.000	.000	.000	.000	.000	.207	2.91	.733	1.50	.216	.019	.000	18
19	.000	.000	.000	.000	.000	.516	1.36	1.51	1.31	.207	.019	.000	19
20	.000	.000	.000	.000	.000	.967	.731	1.83	1.04	.192	.019	.000	20
21	.000	.000	.000	.000	.000	.434	.590	1.20	.898	.176	.019	.000	21
22	.000	.000	.000	.000	.000	.216	.276	.673	4.86	.164	.019	.000	22
23	.000	.000	.000	.000	.000	.225	2.17	.654	3.37	.153	.017	.000	23
24	.000	.000	.000	.000	.000	.513	3.67	.684	2.59	.141	.016	.000	24
25	.000	.000	.000	.000	.000	3.30	1.34	2.50	2.19	.131	.016	.000	25
26	.000	.000	.000	.000	.000	1.40	1.36	18.3	1.93	.129	.014	.000	26
27	.000	.000	.000	.000	.000	.498	.708	5.22	1.40	.118	.013	.000	27
28	.000	.000	.000	.000	.000	.556	1.94	2.69	1.44	.105	.008	.000	28
29	.000	.000	.000	.000	.000	2.38	11.6	1.81	1.57	.100	.004	.000	29
30	.000	.000	.000	.000	.000	.588	21.2	1.95	1.97	.087	.003	.000	30
31	.000	.000	.000	.000	.000	-	1.42			.069		.000	31
MO	.000	.000	.000	.030	.000	.437	-	+	2.06	.404	.026	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 8 JANV A 07H00
 MAXIMUM INSTANTANE : 37.3 M3/S LE 26 AOUT A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 9 JANV
 MAXIMUM JOURNALIER : 28.6 M3/S LE 14 JUIL

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1472705110 RTE SOKODE-BASSAR
 RIVIERE : MO
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 9.06.00
 LONGIT. 1.03.00

AIRE 475.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.149	.089	1.01	.749	14.7	5.50	.349	.002	1
2	.000	.000	.000	.000	.136	.123	1.06	2.37	4.09	3.25	.272	.001	2
3	.000	.000	.000	.000	.067	.219	1.68	2.05	3.21	3.16	.388	.000	3
4	.000	.000	.000	.000	.049	.109	.527	1.36	2.93	2.34	.280	.000	4
5	.000	.000	.000	.000	.012	.092	.280	2.99	2.40	2.38	.153	.000	5
6	.000	.000	.000	.000	.096	.083	.493	3.33	2.92	2.38	.130	.000	6
7	.000	.000	.000	.000	.504	.068	1.10	1.22	4.61	2.23	.118	.000	7
8	.000	.000	.000	.328	.209	.061	4.62	.731	3.16	2.18	.105	.000	8
9	.000	.000	.000	3.10	.157	.057	+	.899	2.43	2.13	.055	.000	9
10	.000	.000	.000	.368	.098	.081	+	2.93	1.98	1.96	.022	.000	10
11	.000	.000	.000	.109	.088	.102	5.45	.932	1.79	1.99	.015	.000	11
12	.000	.000	.000	.023	.119	.085	2.79	.577	3.87	3.06	.010	.000	12
13	.000	.000	.000	.129	.085	.091	.757	1.39	5.40	2.67	.029	.000	13
14	.000	.000	.000	.079	.102	.083	.528	.844	3.05	2.21	.095	.000	14
15	.000	.000	.000	.060	.075	.075	2.37	.320	2.19	1.90	.076	.000	15
16	.000	.000	.000	.035	.069	.065	1.38	1.34	2.14	1.61	.058	.000	16
17	.000	.000	.000	.022	.058	.056	.621	4.61	2.90	1.35	.043	.000	17
18	.000	.000	.000	.109	.050	.049	.353	2.29	3.00	1.06	.040	.000	18
19	.000	.000	.000	.191	.048	.026	.688	6.82	3.35	.882	.038	.000	19
20	.000	.000	.000	.158	.025	.050	2.35	10.1	2.73	.701	.036	.000	20
21	.000	.000	.000	.064	.034	.095	1.44	2.60	2.05	.874	.033	.000	21
22	.000	.000	.165	.219	.034	.070	.615	1.87	2.42	1.04	.019	.000	22
23	.000	.000	.206	1.27	.054	.043	.377	1.87	3.82	1.01	.019	.000	23
24	.000	.000	.078	.266	.089	.526	.846	2.25	3.65	.702	.019	.000	24
25	.000	.000	.059	.184	.120	.316	3.40	2.95	2.51	.541	.031	.000	25
26	.000	.000	.056	.332	.072	.961	2.27	2.49	2.40	.508	.043	.000	26
27	.000	.000	.038	1.81	.082	.378	3.29	1.81	2.39	.321	.025	.000	27
28	.000	.000	.030	.448	.142	.244	1.98	1.12	4.82	.409	.010	.000	28
29	.000	.000	.018	.159	.134	.178	.944	2.59	5.51	.340	.009	.000	29
30	.000	.000	.012	.154	.084	.290	.809	4.38	3.05	.261	.006	.000	30
31	.000	.000	.009	.087	.087	.643	9.65			.257		.000	31
MO	.000	.000	.021	.320	.101	.159	+	2.63	3.52	1.65	.084	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 27.2 M3/S LE 1 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 14.7 M3/S LE 1 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1472705110 RTE SOKODE-BASSAR LATIT. 9.06.00
 RIVIERE : MO LONGIT. 1.03.00
 PAYS : TOGO
 BASSIN : VOLTA AIRE 475.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	OECE	J
1	.000	.000	.000	.010	.003	.015	.055	7.48	6.83	6.87	.699	.130	1
2	.000	.000	.000	.022	.019	.022	.171	9.36	+	+	.509	.109	2
3	.000	.000	.000	.067	.148	.014	.621	4.31	+	+	.442	-	3
4	.000	.000	.000	.264	.087	.007	.723	2.52	9.88	15.2	.395	-	4
5	.000	.000	.000	.093	.052	.004	.315	4.44	+	7.30	.365	-	5
6	.000	.000	.001	.042	.042	.000	.217	14.1	+	5.07	.344	-	6
7	.000	.000	.001	.024	.036	.000	.369	6.50	11.6	4.01	.343	-	7
8	.000	.000	.001	.014	.028	.000	.411	2.97	7.48	3.50	.361	-	8
9	.000	.000	.002	.008	.020	.001	.288	+	7.85	3.08	.566	-	9
10	.000	.000	.002	.005	.014	.022	.244	+	10.6	2.66	.662	-	10
11	.000	.000	.003	.003	.010	.020	.287	4.71	7.82	2.63	.509	-	11
12	.000	.000	.003	.000	.029	.010	.274	3.55	6.70	4.01	.397	-	12
13	.000	.000	.004	.000	.020	.008	.212	+	4.68	2.64	.343	-	13
14	.000	.000	.004	.000	.024	.006	.232	+	5.90	2.29	.309	-	14
15	.000	.000	.005	.001	.027	.005	.473	7.28	13.9	2.01	.266	-	15
16	.000	.000	.005	.001	.031	.005	.407	8.21	6.76	1.88	.239	-	16
17	.000	.000	.006	.001	.056	.003	.267	9.13	7.57	1.74	.215	-	17
18	.000	.000	.006	.001	.046	.001	.218	8.15	7.85	1.50	.192	-	18
19	.000	.000	.007	.000	.036	.040	.260	8.35	10.4	1.39	.181	-	19
20	.000	.000	.007	.000	.028	.333	.614	7.39	21.9	1.26	.191	-	20
21	.000	.000	.008	.000	.020	.269	.335	3.52	8.44	1.13	.191	-	21
22	.000	.000	.008	.015	.015	.254	.258	3.10	4.71	.939	.176	-	22
23	.000	.000	.008	.081	.011	.184	.230	5.67	4.04	.862	.164	-	23
24	.000	.000	.009	.041	.009	.159	.388	3.71	4.78	.794	.157	-	24
25	.000	.000	.009	.024	.007	.109	.481	8.22	8.67	.749	.188	-	25
26	.000	.000	.010	.017	.005	.082	2.08	19.5	4.33	.700	.165	-	26
27	.000	.000	.010	.023	.003	.063	1.93	+	4.96	.611	.154	-	27
28	.000	.000	.011	.015	.005	.058	1.24	+	15.9	.525	.152	-	28
29	.000	.000	.011	.008	.004	.046	4.49	9.46	15.8	.571	.142	-	29
30	.000	.000	.012	.004	.005	.050	5.17	7.05	6.96	1.39	.140	-	30
31	.000	.000	.012	.016	.016	.177	4.86	.123	-	-	-	-	31
MO	.000	.000	.005	.026	.028	.060	.809	+	+	+	.305	-	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 46.0 M3/S LE 6 SEPT A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 21.9 M3/S LE 20 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1472705110 RTE SOKODE-BASSAR LATIT. 9.06.00
 RIVIERE : MO LONGIT. 1.03.00
 PAYS : TOGO
 BASSIN : VOLTA AIRE 475.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	OECE	J
1	-	.000	.000	.000	.000	.000	.052	1.19	8.00	7.29	1.93	.101	1
2	.000	.000	.000	.000	.000	.000	.040	1.14	3.63	4.25	2.82	.084	2
3	.000	.000	.000	.000	.000	.000	.034	.934	3.00	5.29	2.50	.069	3
4	.000	.000	.000	.000	.000	.000	.028	.671	6.41	21.9	1.71	.050	4
5	.000	.000	.000	.000	.000	.000	.062	.460	15.6	14.1	1.23	.045	5
6	.000	.000	.000	.000	.000	.000	.408	.415	13.3	15.3	1.10	.045	6
7	.000	.000	.000	.000	.000	.000	.270	.867	+	7.27	1.30	.041	7
8	.000	.000	.000	.000	.000	.000	.073	.348	1.74	+	5.72	.923	8
9	.000	.000	.000	.000	.262	.519	16.6	2.67	+	4.73	.870	.032	9
10	.000	.000	.000	.000	.549	.211	4.65	1.40	+	3.64	.841	.020	10
11	.000	.000	.000	.000	.200	.635	3.91	1.92	10.4	2.55	.793	.011	11
12	.000	.000	.000	.000	.011	.284	2.36	1.20	14.6	2.31	.695	.008	12
13	.000	.000	.000	.000	.000	.204	1.19	4.29	8.42	2.43	.625	.006	13
14	.000	.000	.000	.000	.000	.602	.771	2.92	6.93	2.12	.585	.006	14
15	.000	.000	.000	.000	.000	.705	.633	1.46	5.42	1.75	.515	.004	15
16	.000	.000	.000	.000	.000	.680	1.20	1.54	4.28	1.82	.444	.004	16
17	.000	.000	.000	.000	.000	.301	4.55	2.65	3.52	1.75	.406	.003	17
18	.000	.000	.000	.000	.000	.161	1.51	2.30	3.07	1.68	.359	.002	18
19	.000	.000	.000	.000	.000	.113	1.06	1.53	2.86	1.61	.313	.001	19
20	.000	.000	.000	.000	.000	.088	.929	1.22	2.68	1.55	.289	.001	20
21	.000	.000	.000	.000	.000	.071	1.16	1.05	3.22	1.51	.291	.001	21
22	.000	.000	.000	.000	.000	.071	3.89	1.09	3.59	1.45	.309	.000	22
23	.000	.000	.000	.000	.000	.206	1.72	1.06	5.00	1.35	.277	.000	23
24	.000	.000	.000	.000	.000	.203	1.13	3.80	4.05	.688	.241	.000	24
25	.000	.000	.000	.000	.000	.212	.808	5.07	2.91	.675	.210	.000	25
26	.000	.000	.000	.000	.000	.186	.692	8.36	3.71	.867	.180	.000	26
27	.000	.000	.000	.000	.000	.176	.586	5.39	3.33	.908	.153	.000	27
28	.000	.000	.000	.000	.000	.134	.487	6.59	2.79	1.32	.150	.000	28
29	.000	.000	.000	.000	.000	.096	.464	5.01	5.40	.897	.132	.000	29
30	.000	.000	.000	.000	.000	.071	.430	6.32	9.23	.867	.116	.000	30
31	.000	.000	.000	.000	.000	.455	5.07	.128	-	-	-	-	31
MO	-	.000	.000	.000	.033	.200	1.69	2.62	+	3.90	.744	.018	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 06H00
 MAXIMUM INSTANTANE : 34.5 M3/S LE 9 JUIL A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 2 JANV
 MAXIMUM JOURNALIER : 21.9 M3/S LE 4 OCTO

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1472705110 RTE SOKODE-BASSAR

LATIT. 9.06.00

RIVIERE : MO

LONGIT. 1.03.00

PAYS : TOGO

BASSIN : VOLTA

AIRE 475.000 KM2

DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.087	.440	.946	7.88	4.18	.771	.002	1
2	.000	.000	.000	.000	.000	.085	.297	1.63	+	5.74	.634	.002	2
3	.001	.000	.000	.000	.000	.082	.174	7.00	+	25.6	.447	.002	3
4	.001	.000	.000	.000	.000	.055	.132	4.09	3.98	14.9	.230	.009	4
5	.000	.000	.000	.000	.000	.141	.100	3.81	12.6	4.44	.064	.035	5
6	.000	.000	.000	.000	.000	.189	.061	4.40	8.63	3.48	.031	.028	6
7	.000	.000	.000	.000	.000	.377	.033	4.48	4.79	3.18	.002	.042	7
8	.000	.000	.000	.000	.000	.195	.123	2.68	4.30	3.60	.000	.283	8
9	.000	.000	.000	.000	.000	.173	.059	.938	2.48	3.92	.000	.277	9
10	.000	.000	.000	.000	.000	.253	.004	8.50	1.87	3.53	.000	.253	10
11	.000	.000	.000	.000	.135	.162	.002	6.76	5.31	3.35	.000	.216	11
12	.000	.000	.000	.000	1.56	.237	.362	2.92	18.4	3.51	.000	.047	12
13	.000	.000	.000	.000	.914	.384	3.46	3.12	8.86	3.42	.000	.029	13
14	.000	.000	.000	.000	.290	.371	.813	+	7.20	3.24	.000	.020	14
15	.000	.000	.000	.000	.160	.497	.531	+	6.96	3.22	.000	.019	15
16	.000	.000	.000	.000	.090	.515	.830	+	21.1	3.21	.000	.019	16
17	.000	.000	.000	.000	.033	.384	.525	5.33	10.3	3.12	.000	.012	17
18	.000	.000	.000	.000	.023	.754	2.00	1.57	6.46	3.02	.000	.010	18
19	.000	.000	.000	.000	.017	.549	4.06	1.07	3.97	2.91	.000	.008	19
20	.000	.000	.000	.000	.003	.474	3.47	1.24	3.60	2.81	.334	.008	20
21	.000	.000	.000	.000	.000	.647	2.83	5.21	3.02	2.68	.602	.007	21
22	.000	.000	.000	.000	.000	.474	1.01	5.42	3.15	2.39	.436	.006	22
23	.000	.000	.000	.000	.014	.395	.665	5.90	6.49	1.34	.291	.006	23
24	.000	.000	.000	.000	.011	.309	2.05	25.3	2.73	1.22	.212	.005	24
25	.000	.000	.000	.000	.005	.208	3.88	24.1	1.90	1.17	.143	.004	25
26	.000	.000	.000	.000	.001	.122	1.45	13.7	4.03	1.07	.140	.004	26
27	.000	.000	.000	.000	.019	.189	1.21	6.01	3.67	.993	.116	.004	27
28	.000	.000	.000	.000	.015	.467	1.46	4.16	3.06	.641	.092	.002	28
29	.000	.000	.000	.000	.008	1.39	.826	+	2.47	.363	.084	.002	29
30	.000	.000	.000	.000	.040	1.03	.621	+	2.34	.302	.035	.002	30
31	.000	.000	.000	.000	.023	.917	6.18	.100	.002	.002	.002	.002	31
MO	.000	.000	.000	.000	.109	.373	1.11	+	+	3.76	.156	.044	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00

MAXIMUM INSTANTANE : 38.1 M3/S LE 30 AOUT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV

MAXIMUM JOURNALIER : 25.6 M3/S LE 3 OCTO

GENERALITES

- superficie du bassin versant.....: 2.700 Km²
- coordonnées de la station: 09°01'N - 00°41'E
- cote du zero de l'échelle: 142m. (IGN) environ
- amplitude de l'échelle: 0 à 12m.
- accès: à 400m. environ en aval du
radier de la piste BASSAR-
BONGOULOU
- date de création: 01.06.1971
- cadence des relevés: 1 relevé par jour
+ sonde Chloé Argos depuis le
05.02.1987

TARAGE

- nombre de jaugeages au 31.12.87: 49
- maximum jaugé: H = 580/578 CM
Q = 166 M³/S
date : 09.09.1982
- nombre de tarages entre 1983 et 1987: 05
- dernier étalonnage utilisé :
valide du 17.09.1987 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	0.000	145	3.090
107	0.000	155	4.970
118	0.020	170	7.830
113	0.060	200	14.70
116	0.110	240	28.30
119	0.200	280	47.00
122	0.310	320	70.00
125	0.490	400	131.0
128	0.720	500	219.0
132	1.120	600	313.0
138	1.940	750	469.0

REMARQUE

- A partir de fevrier 87, les débits sont relatifs à la sonde CHLOE.

STATION : 1472705106 BONGOULOU 2

LATIT. 9.00.55

RIVIERE : MO

LONGIT. 0.40.55

PAYS : TOGO

BASSIN : VOLTA

AIRE 2700.00 KM2

DEBITS EN M3/S

ANNEE	JANV	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1971	-	-	-	-	-	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	1.62	-	-
1973	-	-	-	-	-	1.48	-	-	-	-	.598	.000	-
1974	.000	.000	.000	-	-	-	-	-	-	-	-	-	-
1975	.260	.140	.055	-	-	-	-	-	68.4	-	1.40	-	-
1976	-	.269	.021	-	-	-	-	-	-	98.0	-	1.68	-
1977	-	-	-	-	-	1.72	-	-	-	23.0	1.65	-	-
1978	-	.000	-	-	-	-	-	54.0	-	-	-	-	-
1979	-	.000	-	-	-	-	-	88.5	-	-	-	-	-
1980	-	-	-	.080	-	-	-	-	-	-	-	.634	-
1981	-	-	-	-	-	-	-	-	-	-	-	.081	-
1982	.000	-	-	-	2.42	-	5.19	-	15.6	5.28	.051	-	-
1983	.000	.000	.000	-	1.31	-	19.9	13.6	-	1.73	.302	.262	-
1984	.173	.000	2.29	-	-	-	-	-	-	9.82	.402	.079	-
1985	.033	.000	.000	.403	.545	.481	5.09	67.1	137.	-	1.64	1.02	-
1986	.324	.001	.654	.312	1.61	2.63	13.8	32.6	+	31.0	-	.221	-
1987	.025	.000	.322	.258	.520	6.54	6.64	48.7	75.6	28.2	1.92	.083	14.1
MOY.	.102	.041	.418	.263	.996	2.55	11.4	44.2	93.7	29.6	1.98	.411	14.1

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1472705106 BONGOULOU 2
RIVIERE : MO
PAYS : TOGO
BASSIN : VOLTA
DEBITS EN M3/S

LATIT. 9.00.55
LONGIT. 0.40.55
AIRE 2700.00 KM2

J	JANU	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	4.73	5.43	3.55	5.50	.451	.234	1
2	.000	.000	.000	.000	.146	.000	4.51	4.14	2.80	4.53	.444	.233	2
3	.000	.000	.000	-	.589	.000	10.4	3.20	2.14	4.37	.409	.233	3
4	.000	.000	.000	6.90	.470	.001	34.0	3.76	-	4.22	.368	.240	4
5	.000	.000	.000	2.61	.367	.000	63.0	3.44	-	3.88	.365	.258	5
6	.000	.000	.000	.944	.285	.000	62.2	7.20	12.6	3.73	.365	.253	6
7	.000	.000	.000	.506	.159	.000	27.6	15.4	6.19	2.71	.359	.235	7
8	.000	.000	.000	.295	.069	.000	22.7	26.8	7.38	2.23	.340	.233	8
9	.000	.000	.000	.162	.005	.000	20.3	66.0	15.6	1.98	.332	.233	9
10	.000	.000	.000	.080	.031	.000	18.6	18.1	8.83	1.77	.313	.239	10
11	.000	.000	.000	.048	.223	.000	12.7	26.1	5.88	1.56	.312	.258	11
12	.000	.000	.000	.037	.139	3.82	7.24	65.1	5.06	1.57	.306	.328	12
13	.000	.000	.000	.033	.068	17.8	17.5	33.5	4.48	1.38	.288	.481	13
14	.000	.000	.000	.012	.278	2.59	53.9	21.4	4.02	1.48	.286	.366	14
15	.000	.000	.000	.002	.891	.057	27.3	17.5	5.10	1.23	.274	.347	15
16	.000	.000	.000	.000	.089	.000	22.2	8.48	6.09	1.11	.237	.344	16
17	.000	.000	.000	.000	.000	-	47.1	6.02	5.38	1.05	.233	.284	17
18	.000	.000	.000	.000	.000	-	31.3	5.05	4.95	1.00	.228	.261	18
19	.000	.000	.000	.000	.126	79.2	17.3	4.73	4.71	.937	.208	.259	19
20	.000	.000	.000	.000	.490	19.2	10.4	5.06	4.51	.869	.206	.253	20
21	.000	.000	.000	.000	.067	6.60	10.2	5.52	4.22	.782	.232	.234	21
22	.000	.000	.000	.000	.006	4.41	6.77	4.38	7.66	.718	.307	.233	22
23	.000	.000	.000	.000	5.49	2.11	5.66	6.49	21.5	.680	.306	.233	23
24	.000	.000	.000	.000	26.1	13.5	6.10	11.9	27.9	.645	.288	.233	24
25	.000	.000	.000	.000	4.06	55.0	8.78	3.45	16.8	.609	.286	.233	25
26	.000	.000	.000	.000	.042	15.4	5.67	4.06	11.1	.567	.280	.233	26
27	.000	.000	.000	.000	.000	5.32	8.51	7.85	7.66	.558	.260	.233	27
28	.000	.000	.000	.000	.000	4.20	17.4	7.96	5.63	.531	.259	.233	28
29	.000	.000	.000	.000	.036	5.25	16.1	8.40	4.71	.504	.259	.233	29
30	.000	.000	.000	.000	.230	6.09	8.54	8.46	4.66	.475	.253	.233	30
31	.000	.000	.000	.022		7.26	7.00		.452		.233	31	
MO	.000	.000	.000	-	1.31	-	19.9	13.6	-	1.73	.302	.262	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
MAXIMUM INSTANTANE : 116. M3/S LE 19 JUIN A 00H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
MAXIMUM JOURNALIER : 79.2 M3/S LE 19 JUIN

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1472705106 BONGOULOU 2
RIVIERE : MO
PAYS : TOGO
BASSIN : VOLTA

LATIT. 9.00.55
LONGIT. 0.40.55
AIRE 2700.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.233	.000	.000	.332	1.13	.816	1.25	10.1	24.0	32.5	.965	.115	1
2	.233	.000	.000	.307	.847	-	1.83	9.19	20.0	15.0	.868	.114	2
3	.233	.000	.000	.282	.906	.660	2.10	7.87	14.3	11.0	.777	.111	3
4	.233	.000	.000	.261	.778	.609	1.55	-	12.5	14.1	.712	.098	4
5	.233	.000	.000	.259	.692	.556	1.22	5.82	14.5	12.6	.647	.088	5
6	.233	.000	.000	.248	-	.506	1.04	4.92	24.7	18.9	.591	.088	6
7	.233	.000	.000	.209	1.98	.507	.956	3.99	23.9	16.6	.550	.088	7
8	.233	.000	.000	21.1	1.14	.581	4.02	3.68	21.6	11.7	.492	.088	8
9	.233	.000	.000	71.6	1.06	.555	10.2	3.99	17.5	7.86	.446	.084	9
10	.233	.000	.000	18.7	1.19	.498	3.31	5.54	14.5	7.58	.420	.075	10
11	.233	.000	1.12	4.37	1.07	.519	2.94	10.2	18.0	14.0	.396	.075	11
12	.233	.000	4.71	-	-	1.29	4.50	9.73	30.0	30.8	.364	.075	12
13	.233	.000	3.92	.980	-	2.86	3.79	9.11	26.1	16.7	.316	.075	13
14	.233	.000	.025	.086	.608	2.59	5.37	8.38	22.7	12.8	.326	.075	14
15	.233	.000	.502	1.65	.521	2.15	10.9	7.47	23.0	8.94	.542	.075	15
16	.233	.000	.474	24.2	.480	1.04	7.48	6.88	20.8	6.26	.660	.075	16
17	.233	.000	.525	71.9	.546	.609	3.92	8.02	15.8	7.79	.404	.075	17
18	.233	.000	.504	9.95	.505	.579	3.20	10.7	17.7	14.0	.340	.075	18
19	.233	.000	.474	2.53	.473	.612	4.34	10.6	16.4	7.26	.296	.075	19
20	.233	.000	.440	1.12	.430	.581	5.42	11.3	13.8	4.52	.270	.075	20
21	.233	.000	.386	.706	.389	.515	4.95	11.8	11.8	4.13	.246	.075	21
22	.205	.000	11.2	-	.592	.407	4.18	12.6	10.0	5.22	.224	.075	22
23	.106	.000	37.8	19.1	.994	.305	3.67	16.1	12.2	8.62	.202	.073	23
24	.080	.000	4.58	12.5	.875	.250	3.02	13.7	22.9	3.88	.180	.067	24
25	.023	.000	.851	3.17	.745	.185	2.57	8.32	23.8	2.66	.163	.067	25
26	.018	.000	.607	2.52	.713	.343	2.47	7.18	22.3	2.05	.157	.067	26
27	.014	.000	.503	-	.897	1.14	5.63	6.07	-	1.74	.139	.067	27
28	.009	.000	.443	6.78	.771	1.02	13.2	5.42	25.1	1.49	.128	.067	28
29	.004	.000	.390	5.35	.611	.801	-	6.64	26.5	1.31	.127	.067	29
30	.000		.361	2.43	.528	.761	11.9	13.8	32.4	1.18	.124	.067	30
31	.000		.341		.568		10.8	24.7		1.06		.067	31
MO	.173	.000	2.29	-	-	-	-	-	-	9.82	.402	.079	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 30 JANV A 07H15
MAXIMUM INSTANTANE : 97.5 M3/S LE 17 AVRI A 07H10

MINIMUM JOURNALIER : .000 M3/S LE 31 JANV
MAXIMUM JOURNALIER : 71.9 M3/S LE 17 AVRI

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1985

STATION : 1472705106 BONGOULOU 2 LATIT. 9.00.55
 RIVIERE : MO LONGIT. 0.40.55
 PAYS : TOGO
 BASSIN : VOLTA AIRE 2700.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.067	.001	.000	.567	.166	.869	.642	87.5	383.	8.97	2.66	1.24	1
2	.065	.000	.000	1.96	.466	.619	.837	12.3	384.	7.68	2.35	1.23	2
3	.059	.000	.000	.873	1.02	.412	1.09	11.6	308.	7.32	2.14	1.20	3
4	.059	.000	.000	.516	1.18	.313	1.76	22.9	306.	6.94	2.00	1.19	4
5	.059	.000	.000	.359	.729	.249	2.06	51.6	277.	6.39	1.89	1.16	5
6	.057	.000	.000	.380	.507	.240	1.05	37.3	212.	5.96	1.83	1.15	6
7	.051	.000	.000	.558	.365	.246	1.07	19.5	171.	5.65	1.78	1.11	7
8	.051	.000	.000	.320	.468	.162	1.34	13.8	123.	5.35	1.74	1.10	8
9	.051	.000	.000	.233	.832	.138	1.32	20.2	117.	5.05	1.74	1.07	9
10	.049	.000	.000	.158	.474	.125	1.28	41.7	114.	4.54	1.74	1.07	10
11	.043	.000	.000	.121	.468	.112	1.23	31.4	138.	3.61	1.77	1.06	11
12	.043	.000	.000	.098	.947	.105	1.22	43.4	213.	3.29	1.87	1.02	12
13	.043	.000	.000	.091	.842	.203	1.27	107.	215.	3.15	1.78	1.02	13
14	.041	.000	.000	.093	.417	.451	1.14	100.	206.	2.94	1.68	1.02	14
15	.035	.000	.000	.575	.336	.375	1.61	80.9	160.	2.78	1.62	1.01	15
16	.035	.000	.000	1.67	.268	.334	1.96	75.1	94.6	-	1.57	.983	16
17	.035	.000	.000	.890	.405	.258	2.20	100.	123.	-	1.52	.974	17
18	.033	.000	.000	.561	.942	.184	1.72	94.2	119.	-	1.46	.950	18
19	.029	.000	.000	.375	.963	.158	2.18	76.9	96.6	-	1.42	.948	19
20	.027	.000	.000	.315	.808	.138	3.95	36.5	53.2	4.70	1.41	.948	20
21	.023	.000	.000	.261	.482	.518	3.09	26.9	43.6	3.96	1.37	.948	21
22	.021	.000	.000	.199	.346	1.48	1.61	24.0	38.7	3.41	1.33	.948	22
23	.015	.000	.000	.156	.402	.964	1.32	55.7	37.6	2.98	1.32	.940	23
24	.011	.000	.000	.126	.690	.752	1.23	151.	37.0	2.80	1.29	.917	24
25	.011	.000	.000	.111	.609	.650	1.12	142.	35.3	2.50	1.32	.916	25
26	.009	.000	.000	.102	.407	.497	7.60	128.	31.1	2.35	1.39	.916	26
27	.005	.000	.000	.098	.301	.710	26.6	121.	25.7	2.22	1.33	.916	27
28	.004	.000	.000	.085	.265	1.35	21.8	107.	18.8	2.15	1.33	.908	28
29	.003	.000	.000	.096	.209	.991	12.9	65.1	14.0	2.15	1.32	.885	29
30	.003	.000	.000	.146	.170	.833	9.57	57.4	11.6	2.32	1.28	.884	30
31	.002	.000	.000	.418		40.1	138.		2.47			.884	31
MO	.033	.000	.000	.403	.545	.481	5.09	67.1	137.	-	1.64	1.02	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 2 FEVR A 07H10
 MAXIMUM INSTANTANE : 411. M3/S LE 2 SEPT A 07H35

MINIMUM JOURNALIER : .000 M3/S LE 3 FEVR
 MAXIMUM JOURNALIER : 384. M3/S LE 2 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1472705106 BONGOULOU 2 LATIT. 9.00.55
 RIVIERE : MO LONGIT. 0.40.55
 PAYS : TOGO
 BASSIN : VOLTA AIRE 2700.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.844	.009	.000	.466	1.35	.942	1.26	2.12	23.3	48.2	-	.535	1
2	.814	.005	.000	.421	1.13	.910	1.02	2.61	18.7	46.2	-	.452	2
3	.782	.004	.000	.395	1.04	.878	.981	2.53	13.2	54.5	-	.432	3
4	.750	.003	.000	.364	1.43	.853	.980	2.27	32.3	88.6	-	.381	4
5	.718	.002	.000	.321	1.94	.867	1.00	2.08	84.3	89.0	-	.355	5
6	.686	.001	.105	.278	1.38	5.02	1.08	58.0	43.6	147.	-	.344	6
7	.654	.001	.543	.199	1.38	12.7	1.08	177.	+	91.1	-	.319	7
8	.614	.001	.955	.159	1.96	3.27	1.01	34.5	+	55.6	-	.308	8
9	.560	.001	.980	.141	1.51	2.67	11.3	21.0	+	39.2	-	.283	9
10	.520	.000	.980	.137	2.37	5.44	31.8	14.3	67.4	33.1	-	.272	10
11	.466	.000	.980	.124	4.61	7.23	7.94	15.0	100.	31.2	-	.247	11
12	.415	.000	.964	.115	2.44	2.59	4.09	15.2	168.	26.5	-	.236	12
13	.365	.000	.919	.120	1.76	1.90	4.13	20.1	67.8	21.3	-	.211	13
14	.315	.000	.908	.139	1.49	1.87	2.90	40.6	62.0	22.5	-	.203	14
15	.267	.000	.885	.140	1.32	2.04	2.34	26.9	66.7	18.1	-	.187	15
16	.222	.000	.884	.137	1.21	2.01	18.4	21.1	44.5	16.3	-	.179	16
17	.175	.000	.876	.124	1.09	2.10	48.3	19.4	35.7	14.4	-	.163	17
18	.139	.000	.869	.111	1.48	1.90	13.2	19.8	27.9	12.9	-	.155	18
19	.124	.000	.905	.095	2.52	1.66	3.59	13.5	25.7	11.8	-	.139	19
20	.115	.000	.885	.072	1.73	1.50	2.58	9.75	35.0	10.6	1.81	.132	20
21	.111	.000	.876	.055	1.33	1.67	45.3	7.76	66.2	10.1	1.54	.115	21
22	.093	.000	.853	.041	1.22	2.62	159.	7.07	39.7	10.7	1.09	.121	22
23	.064	.000	.844	.032	1.15	2.71	31.1	11.7	27.7	8.74	.919	.137	23
24	.050	.000	.798	.022	1.47	1.78	12.5	38.2	23.0	6.77	.831	.132	24
25	.041	.000	.721	.015	2.50	1.91	5.63	73.4	23.6	6.05	.748	.115	25
26	.035	.000	.678	.009	1.67	2.43	3.92	69.7	29.5	5.53	.684	.114	26
27	.033	.000	.623	.497	1.27	2.22	3.11	61.1	24.8	4.81	.666	.114	27
28	.027	.000	.590	1.79	1.08	1.92	2.62	51.5	27.5	5.19	.611	.114	28
29	.021		.565	1.46	.986	1.72	2.34	76.0	102.	9.26	.567	.114	29
30	.015		.556	1.36	.980	1.45	2.14	60.6	201.	8.50	.564	.114	30
31	.011		.520		.972		2.01	35.1		6.29		.114	31
MO	.324	.001	.654	.312	1.61	2.63	13.8	32.6	+	31.0	-	.221	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 10 FEVR A 07H10
 MAXIMUM INSTANTANE : 266. M3/S LE 30 SEPT A 07H30

MINIMUM JOURNALIER : .000 M3/S LE 11 FEVR
 MAXIMUM JOURNALIER : 201. M3/S LE 30 SEPT

DEBITS MOYENS JOURNALIERS ANNEE 1967

STATION : 1472705106 BONGOULOU 2

LATIT. 9.00.55

RIVIERE : MO

LONGIT. 0.40.55

PAYS : TOGO

ALTIT. M

BASSIN : VOLTA

AIRE 2700 KM2

DEBITS EN M3/S

J	JANU	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.114	.000	.000	.400	.011	4.69	5.74	12.0	187.	39.2	4.85	.430	1
2	.114	.000	.000	.290	.000	13.7	5.35	7.81	110.	30.2	4.44	.210	2
3	.114	.000	.000	.239	.037	2.14	2.86	16.0	192.	23.9	4.03	.217	3
4	.108	.000	.000	.210	.116	.982	1.89	43.3	80.3	23.8	3.69	.172	4
5	.087	.000	.000	.197	.093	44.7	1.36	51.4	126.	19.2	3.34	.153	5
6	.072	.000	.000	.178	.068	41.0	1.08	40.0	135.	45.4	3.13	.120	6
7	.058	.000	.000	.162	.048	5.86	4.41	22.3	62.3	71.1	2.93	.131	7
8	.044	.000	.000	.140	.017	2.62	3.27	17.0	43.2	37.8	2.65	.111	8
9	.030	.000	.000	.138	.002	1.57	2.37	11.3	39.2	35.3	2.60	.105	9
10	.019	.000	.000	.116	.000	1.08	1.95	8.19	29.2	29.2	2.47	.093	10
11	.013	.000	.000	.112	.002	1.00	1.44	112.	24.7	35.0	2.27	.088	11
12	.008	.000	.000	.090	.550	.706	1.21	81.1	67.8	83.8	2.27	.077	12
13	.003	.000	.000	.082	2.31	1.04	1.37	27.8	46.8	45.3	2.08	.072	13
14	.000	.000	.000	.067	2.13	1.43	4.08	23.8	40.4	31.6	1.94	.060	14
15	.000	.000	.000	.044	3.36	2.53	3.47	60.6	97.7	39.2	1.72	.056	15
16	.000	.000	.000	.030	.752	2.83	4.50	31.0	246.	38.8	1.65	.047	16
17	.000	.000	.000	1.99	.475	2.54	6.36	34.3	156.	48.2	1.39	.046	17
18	.000	.000	.000	1.18	.358	15.6	7.91	37.8	76.4	32.1	1.37	.043	18
19	.000	.000	.000	.536	.299	6.15	4.07	24.6	53.7	24.2	1.12	.037	19
20	.000	.000	.000	.318	.248	2.83	5.49	46.3	49.5	20.3	1.12	.049	20
21	.000	.000	1.83	.225	.212	11.0	11.0	30.6	48.2	19.1	.923	.056	21
22	.000	.000	2.33	.187	.210	7.60	13.2	21.6	71.5	18.5	.920	.047	22
23	.000	.000	.892	.162	.194	3.05	5.34	21.6	41.4	15.2	.763	.043	23
24	.000	.000	.467	.142	.179	1.71	9.71	52.6	32.1	12.7	.720	.030	24
25	.000	.000	.319	.129	.162	2.86	24.9	98.4	26.9	11.9	.716	.020	25
26	.000	.000	.249	.114	.166	2.49	9.41	83.7	77.1	9.84	.567	.018	26
27	.000	.000	.201	.091	.787	1.81	5.34	54.4	35.7	8.36	.567	.013	27
28	.000	.000	1.05	.081	.902	1.87	7.27	113.	26.9	7.32	.498	.013	28
29	.000		.655	.061	.973	1.78	12.0	111.	22.2	6.55	.430	.011	29
30	.000		1.29	.033	.914	6.96	13.0	161.	22.9	5.90	.430	.005	30
31	.000		.696		.542		24.4	52.8		5.34		.000	31
MO	.025	.000	.322	.258	.520	6.54	6.64	48.7	75.6	28.2	1.92	.083	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives à la sonde CHLOE
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/03 A 21H45
 MAXIMUM INSTANTANE : 401. M3/S LE 30/08 A 01H30

MINIMUM JOURNALIER : .000 M3/S LE 06/02
 MAXIMUM JOURNALIER : 246. M3/S LE 16/09

DEBIT MOYEN ANNUEL : 14.1 M3/S

SANSARGOU A BORGOU

N° 1472705803

DEBITS MOYENS MENSUELS ET ANNUELS

GENERALITES

- superficie du bassin versant.....: 2.240 Km²
- coordonnées de la station: 10°45'N - 00°34'E
- cote du zero de l'échelle: 150 m. (IGN) environ
- amplitude de l'échelle: 0 à 7:00 m
- accès: Route DAPAONG-SAWAGA-BORGOU
- date de création: 06.05.1960
- cadence des relevés: 1 relevé par jour

TARAGE

- nombre de jaugeages au 31.12.87: 55
- maximum jaugé: H = 340 CM
Q = 54.0 M³/S
date : 07.09.1962
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 10.09.1982 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-050	00000	050	1.490
-011	00000	060	2.200
000	0.050	070	3.160
005	0.080	080	4.500
010	0.150	100	8.300
020	0.314	120	13.10
030	0.550	250	49.00
040	0.940	450	97.00

STATION : 1472705803 BORGOU
RIVIERE : SANSARGOU
PAYS : TOGO
BASSIN : VOLTA
DEBITS EN M³/S

LATIT. 10.45.00
LONGIT. 0.34.00
ALTIT. 150M
AIRE 2240.00 KM2

ANNEE	JANV	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1960	-	-	-	-	-	9.12	7.44	13.1	55.5	13.1	2.70	.076	-
1961	.098	.001	.000	.014	.430	7.12	23.3	19.4	36.8	3.63	.229	.000	7.59
1962	.000	.000	.000	.108	1.34	2.80	3.71	34.4	58.0	11.4	2.25	.162	9.51
1963	.000	.000	.000	.000	2.83	3.92	28.0	42.1	42.1	19.0	3.64	.079	11.9
1964	.014	-	-	.608	1.17	7.19	17.0	54.1	79.3	9.80	2.48	.971	-
1965	.143	.002	.000	.000	1.61	4.86	7.78	31.1	27.7	3.51	.139	.017	6.41
1966	.000	.000	.000	.675	1.25	5.24	6.27	42.3	22.7	8.57	.898	.086	7.33
1967	.009	.006	.003	.001	2.69	3.95	5.59	32.2	69.8	7.63	.836	.284	10.3
1968	.073	.036	.016	.003	2.76	10.7	45.4	31.1	28.6	4.58	1.36	.562	10.4
1969	.190	.062	.003	1.12	3.24	2.02	10.4	23.4	58.9	4.59	1.17	.145	8.77
1970	.033	.023	.005	.000	2.04	1.13	10.5	52.7	85.4	7.87	.926	.169	13.4
1971	.056	.034	.046	.517	1.54	1.67	6.10	46.1	29.3	5.31	.597	.166	7.62
1972	.044	.014	.000	.071	1.01	3.75	5.18	-	-	4.67	.455	.045	-
1973	-	-	.264	-	1.97	4.66	-	-	-	-	.702	.082	-
1974	.018	.014	.000	.181	4.40	1.41	-	-	-	-	-	-	-
1975	-	1.15	.084	.020	6.35	-	-	-	-	5.61	-	-	-
1976	.000	.000	.000	.000	1.79	-	3.63	10.6	8.07	9.93	1.85	.139	-
1977	.003	.000	-	-	.268	.016	-	27.8	-	2.05	.126	-	-
1978	.000	.000	-	1.35	2.46	13.2	7.88	9.93	-	.639	.077	.000	-
1979	.000	.000	.003	1.54	4.10	4.52	13.1	-	-	-	-	-	-
1980	.057	.000	.000	.000	3.58	-	-	-	-	-	-	-	-
1981	-	-	.029	.017	.095	-	-	-	-	.062	.041	.032	-
1982	-	.000	.000	.010	.053	.062	.060	.092	-	-	.061	-	-
1983	.049	.000	.000	.000	.000	.136	-	11.3	5.30	.582	-	-	-
1984	-	.000	.000	.000	4.21	5.40	1.42	5.81	4.92	1.59	.018	.000	-
1985	.000	.000	.000	.364	3.47	1.70	18.0	-	17.2	3.40	.317	.135	-
1986	-	.000	.000	.005	-	5.16	8.01	-	16.4	1.17	1.62	.120	-
1987	.000	.000	.000	.000	.000	2.28	4.36	-	-	4.39	-	-	-
MOY.	.037	.055	.018	.264	2.10	4.25	11.1	27.1	38.0	5.79	1.02	.244	9.32

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1472705803 BORGOU
 RIVIERE : SANSARGOU
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.45.00
 LONGIT. 0.34.00
 ALTIT. 150M
 AIRE 2240.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.050	.005	.000	.000	.000	.000	.312	3.02	6.92	1.38	.216	-	1
2	.050	.000	.000	.000	.000	.000	.254	1.94	9.28	1.38	.214	-	2
3	.050	.000	.000	.000	.000	.000	.246	1.38	28.6	1.37	.199	-	3
4	.050	.000	.000	.000	.000	.000	.234	.946	29.4	1.33	.185	-	4
5	.050	.000	.000	.000	.000	.000	.226	.813	20.6	1.28	.183	-	5
6	.050	.000	.000	.000	.000	.010	.353	.886	6.87	1.22	.179	-	6
7	.050	.000	.000	.000	.000	.069	1.28	.955	4.20	.947	.152	-	7
8	.050	.000	.000	.000	.000	.074	1.70	7.96	4.07	.872	.138	-	8
9	.050	.000	.000	.000	.000	.073	4.54	48.1	3.85	.696	.134	-	9
10	.050	.000	.000	.000	.000	.068	2.78	56.1	3.61	.647	.120	-	10
11	.050	.000	.000	.000	.000	.062	2.69	56.7	2.97	.521	.097	-	11
12	.050	.000	.000	.000	.000	.067	7.21	13.4	2.87	.482	.094	-	12
13	.050	.000	.000	.000	.000	.098	8.92	3.48	2.85	.479	.094	-	13
14	.050	.000	.000	.000	.000	.081	11.9	2.60	2.72	.473	.094	-	14
15	.050	.000	.000	.000	.000	.063	6.47	2.68	2.77	.429	.094	-	15
16	.050	.000	.000	.000	.000	.056	-	2.67	2.73	.367	.094	-	16
17	.050	.000	.000	.000	.000	.050	9.32	1.65	2.38	.341	.094	-	17
18	.050	.000	.000	.000	.000	.089	16.6	1.37	1.98	.335	.092	-	18
19	.050	.000	.000	.000	.000	.092	7.94	1.17	1.92	.317	.081	-	19
20	.050	.000	.000	.000	.000	.081	5.51	1.00	1.92	.312	.080	-	20
21	.050	.000	.000	.000	.000	.073	3.88	1.60	1.90	.300	.079	-	21
22	.050	.000	.000	.000	.000	.063	2.49	5.71	1.79	.296	.074	-	22
23	.050	.000	.000	.000	.000	.062	3.03	6.28	1.77	.283	.074	-	23
24	.050	.000	.000	.000	.000	.061	9.42	5.35	1.77	.279	.073	-	24
25	.050	.000	.000	.000	.000	.070	6.95	6.12	1.77	.267	.070	-	25
26	.050	.000	.000	.000	.000	.147	5.66	22.6	1.73	.263	.076	-	26
27	.050	.000	.000	.000	.000	.279	3.00	42.0	1.48	.250	.064	-	27
28	.050	.000	.000	.000	.000	1.10	1.41	23.5	1.43	.246	-	-	28
29	.050	.000	.000	.000	.000	.724	.897	13.8	1.39	.234	-	-	29
30	.050	.000	.000	.000	.000	.463	.985	7.36	1.38	.230	-	-	30
31	.043	.000	.000	.000	.000	3.42	6.64	.218	-	-	-	-	31
MO	.049	.000	.000	.000	.000	.136	-	11.3	5.30	.582	-	-	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 FEVR A 12H00
 MAXIMUM INSTANTANE : 65.4 M3/S LE 11 AOUT A 12H00

MINIMUM JOURNALIER : .000 M3/S LE 2 FEVR
 MAXIMUM JOURNALIER : 56.7 M3/S LE 11 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1472705803 BORGOU
 RIVIERE : SANSARGOU
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.45.00
 LONGIT. 0.34.00
 ALTIT. 150M
 AIRE 2240.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.000	.000	.000	.000	8.17	5.30	.474	4.83	5.00	.068	.000	1
2	-	.000	.000	.000	.000	6.58	2.67	.437	7.13	10.5	.068	.000	2
3	-	.000	.000	.000	.000	5.71	1.19	.380	6.98	6.73	.068	.000	3
4	-	.000	.000	.000	.000	2.27	1.20	.362	7.08	2.58	.066	.000	4
5	-	.000	.000	.000	.000	1.24	.903	8.28	7.07	1.49	.062	.000	5
6	-	.000	.000	.000	.000	2.90	.797	27.4	6.00	1.15	.062	.000	6
7	-	.000	.000	.000	.000	5.55	1.99	21.7	4.93	.721	.062	.000	7
8	-	.000	.000	.000	.000	1.72	4.69	8.29	4.93	.747	.062	.000	8
9	-	.000	.000	.000	.000	1.12	3.27	9.08	4.50	.638	.044	.000	9
10	-	.000	.000	.000	.000	.607	2.98	3.78	3.04	1.15	.001	.000	10
11	-	.000	.000	.000	.000	.663	2.69	1.78	2.68	2.67	.000	.000	11
12	-	.000	.000	.000	.242	.634	1.66	1.53	2.38	2.76	.000	.000	12
13	-	.000	.000	.000	.802	12.2	.682	1.80	2.30	2.40	.000	.000	13
14	-	.000	.000	.000	.782	41.1	.493	1.40	2.27	2.04	.000	.000	14
15	-	.000	.000	.000	1.81	35.3	.548	1.30	3.81	1.66	.000	.000	15
16	-	.000	.000	.000	4.05	13.8	.662	1.18	6.63	1.31	.000	.000	16
17	-	.000	.000	.000	3.64	9.72	.656	1.55	4.50	1.13	.000	.000	17
18	-	.000	.000	.000	2.33	5.26	.567	4.66	5.62	.834	.000	.000	18
19	-	.000	.000	.000	.930	1.65	.415	11.3	6.67	.601	.000	.000	19
20	-	.000	.000	.000	.465	.655	.435	12.4	7.28	.494	.000	.000	20
21	-	.000	.000	.000	3.49	.573	.513	10.4	6.06	.451	.000	.000	21
22	-	.000	.000	.000	10.9	.502	.542	7.05	7.93	.406	.000	.000	22
23	-	.000	.000	.000	9.58	.422	.514	8.00	10.6	.330	.000	.000	23
24	-	.000	.000	.000	4.39	.353	.689	7.07	6.65	.290	.000	.000	24
25	-	.000	.000	.000	1.13	.259	1.09	4.76	3.35	.257	.000	.000	25
26	-	.000	.000	.000	6.39	.233	.835	4.09	2.70	.224	.000	.000	26
27	-	.000	.000	.000	19.3	.282	1.00	3.74	2.60	.186	.000	.000	27
28	-	.000	.000	.000	15.4	.367	1.39	3.53	2.37	.148	.000	.000	28
29	-	.000	.000	.000	10.0	.271	1.54	4.26	2.30	.129	.000	.000	29
30	-	.000	.000	.000	17.0	1.97	1.61	4.11	2.30	.099	.000	.000	30
31	-	.000	.000	.000	18.0	.561	4.02	.073	.000	.000	.000	.000	31
MO	-	.000	.000	.000	4.21	5.40	1.42	5.81	4.92	1.59	.018	.000	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 FEVR A 00H00
 MAXIMUM INSTANTANE : 43.9 M3/S LE 15 JUIN A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 FEVR
 MAXIMUM JOURNALIER : 41.1 M3/S LE 14 JUIN

DEBITS MOYENS JOURNALIERS-ANNEE 1965

STATION : 1472705803 BORGOU
 RIVIERE : SANSARGOU
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.45.00
 LONGIT. 0.34.00
 ALTIT. 150M
 AIRE 2240.00 KM2

J	JANV	FEUR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.193	.250	1.93	2.18	10.4	12.2	.514	.199	1
2	.000	.000	.000	.000	.055	.485	4.70	2.13	6.52	12.4	.480	.199	2
3	.000	.000	.000	.000	.050	.420	14.5	2.13	6.00	10.9	.473	.195	3
4	.000	.000	.000	.000	.050	.262	25.9	-	5.13	9.01	.450	.184	4
5	.000	.000	.000	.000	.050	.219	33.4	-	5.36	6.51	.433	.183	5
6	.000	.000	.000	.000	.050	.343	11.3	78.8	9.34	6.29	.425	.183	6
7	.000	.000	.000	.000	.050	.566	7.41	61.2	12.5	5.93	.409	.183	7
8	.000	.000	.000	.000	.050	.454	17.8	27.7	11.6	5.55	.402	.178	8
9	.000	.000	.000	.000	.050	.289	37.3	19.5	12.2	5.02	.379	.167	9
10	.000	.000	.000	.000	.050	.267	11.5	7.87	15.8	4.32	.362	.166	10
11	.000	.000	.000	.000	.050	.229	7.86	7.30	15.0	3.79	.355	.166	11
12	.000	.000	.000	.000	.050	.217	6.73	12.2	17.1	2.98	.339	.162	12
13	.000	.000	.000	.000	.050	.211	5.30	28.1	33.9	2.82	.338	.151	13
14	.000	.000	.000	.000	.050	.200	20.5	35.0	44.8	2.35	.331	.150	14
15	.000	.000	.000	.000	.050	.195	55.3	23.9	34.1	1.48	.310	.150	15
16	.000	.000	.000	.000	.050	.184	50.1	8.57	13.0	1.30	.299	.146	16
17	.000	.000	.000	.000	.455	8.51	51.1	7.05	24.0	1.21	.289	.136	17
18	.000	.000	.000	.000	.20.9	21.4	65.8	6.25	50.8	1.16	.261	.136	18
19	.000	.000	.000	.000	54.4	3.35	43.6	5.69	44.2	1.13	.249	.132	19
20	.000	.000	.000	.000	18.5	.901	16.0	4.39	27.8	1.07	.244	.122	20
21	.000	.000	.000	.000	6.00	.623	12.6	3.57	16.7	1.11	.233	.122	21
22	.000	.000	.000	.000	1.93	.343	7.43	1.92	23.1	.963	.232	.114	22
23	.000	.000	.000	.000	1.21	.378	8.78	1.83	12.6	.616	.232	.094	23
24	.000	.000	.000	.000	1.05	.312	13.7	1.77	6.86	.649	.228	.088	24
25	.000	.000	.000	.000	.776	.349	6.46	17.8	6.55	.715	.217	.074	25
26	.000	.000	.000	1.27	.409	.467	4.91	57.1	5.14	.744	.216	.074	26
27	.000	.000	.000	3.98	.284	1.19	3.49	-	5.07	.734	.211	.074	27
28	.000	.000	.000	3.04	.234	2.93	3.25	-	16.4	.685	.200	.072	28
29	.000	.000	.000	2.05	.223	2.79	2.88	22.2	13.5	.630	.199	.068	29
30	.000	.000	.000	.578	.191	2.46	2.81	17.9	12.0	.606	.199	.066	30
31	.000	.000	.000	.163	.000	.000	2.23	13.3	.000	.546	.000	.052	31
MO	.000	.000	.000	.364	3.47	1.70	18.0	-	17.2	3.40	.317	.135	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 81.8 M3/S LE 6 AOUT A 00H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 78.8 M3/S LE 6 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1966

STATION : 1472705803 BORGOU
 RIVIERE : SANSARGOU
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.45.00
 LONGIT. 0.34.00
 ALTIT. 150M
 AIRE 2240.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.000	.000	.000	.114	.985	10.8	-	13.2	2.79	1.54	.281	1
2	-	.000	.000	.000	.094	.703	23.3	20.8	13.2	2.75	3.06	.277	2
3	-	.000	.000	.000	.094	.392	12.6	20.8	12.4	2.55	3.06	.266	3
4	-	.000	.000	.000	.088	3.61	18.2	20.8	11.9	2.18	3.01	.260	4
5	-	.000	.000	.000	.074	10.9	6.69	20.8	23.8	1.98	2.85	.249	5
6	-	.000	.000	.000	.074	8.70	4.50	30.4	58.3	1.74	2.78	.244	6
7	-	.000	.000	.000	.070	5.18	2.47	47.9	67.8	1.63	2.72	.228	7
8	-	.000	.000	.000	.062	1.71	1.79	29.0	52.6	1.63	2.59	.207	8
9	-	.000	.000	.000	.062	.993	2.84	14.0	41.2	1.59	2.47	.171	9
10	-	.000	.000	.000	.062	.342	2.43	22.4	24.8	1.49	2.24	.137	10
11	-	.000	.000	.000	.062	.223	2.11	56.3	10.6	1.37	2.25	.132	11
12	-	.000	.000	.000	.044	.240	1.76	-	9.32	1.08	2.12	.111	12
13	-	.000	.000	.000	.001	3.48	1.43	76.3	8.61	1.12	2.02	.081	13
14	-	.000	.000	.000	.000	11.4	1.13	57.6	8.02	1.16	1.84	.078	14
15	-	.000	.000	.000	.000	10.5	.884	12.9	23.3	1.09	1.62	.074	15
16	-	.000	.000	.000	.672	9.48	1.03	8.15	47.0	.898	1.53	.072	16
17	-	.000	.000	.000	2.32	12.0	1.13	7.38	12.9	.852	1.43	.058	17
18	-	.000	.000	.000	1.98	10.1	.653	7.19	7.93	.824	1.38	.056	18
19	-	.000	.000	.000	.930	7.78	.771	6.85	6.31	.812	1.35	.062	19
20	-	.000	.000	.000	.663	8.77	.639	6.59	4.46	.785	1.26	.062	20
21	-	.000	.000	.000	.339	10.5	.540	5.41	3.96	.784	1.13	.062	21
22	-	.000	.000	.000	.079	7.39	.504	4.44	3.46	.773	.900	.062	22
23	-	.000	.000	.000	-	6.88	.483	10.7	3.55	.724	.808	.050	23
24	-	.000	.000	.000	-	5.83	2.11	25.6	4.16	.659	.627	.056	24
25	-	.000	.000	.000	-	3.84	5.84	17.0	3.46	.656	.495	.054	25
26	-	.000	.000	.000	-	3.46	4.44	6.09	3.62	.618	.424	.050	26
27	-	.000	.000	.000	8.43	3.01	17.6	3.63	3.93	.513	.330	.050	27
28	-	.000	.000	.000	25.2	2.49	44.2	3.18	3.41	.313	.294	.050	28
29	-	.000	.034	40.8	2.01	21.7	2.89	2.99	.278	.282	.050	29	
30	-	.000	.118	5.20	1.93	23.1	5.16	2.92	.279	.281	.050	30	
31	-	.000		2.73		30.8	12.4		.489		.050	31	
MO	-	.000	.000	.005	-	5.16	8.01	-	16.4	1.17	1.62	.120	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 FEVR A 00H00
 MAXIMUM INSTANTANE : 76.8 M3/S LE 13 AOUT A 00H00

MINIMUM JOURNALIER : .000 M3/S LE 1 FEVR
 MAXIMUM JOURNALIER : 76.3 M3/S LE 13 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1967

STATION : 1472705803 BORGOU
 RIVIERE : SANSARGOU
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.45.00
 LONGIT. 0.34.00
 ALTIT. 150M
 AIRE 2240.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.619	5.24	7.71	57.1	13.0	1.17	.080	1
2	.000	.000	.000	.000	.000	1.60	1.80	7.87	55.8	12.6	1.01	.080	2
3	.000	.000	.000	.000	.000	3.91	.756	7.16	-	10.9	.884	.078	3
4	.000	.000	.000	.000	.000	11.6	.540	6.40	-	8.23	.804	.074	4
5	.000	.000	.000	.000	.000	7.02	.889	5.85	-	8.00	.747	.072	5
6	.000	.000	.000	.000	.000	.980	1.17	5.83	-	7.64	.712	.058	6
7	.000	.000	.000	.000	.000	1.47	1.82	14.4	-	7.31	.621	.056	7
8	.000	.000	.000	.000	.000	.930	4.66	27.4	55.3	7.06	.579	.052	8
9	.000	.000	.000	.000	.000	.532	10.5	8.99	43.6	6.69	.551	.050	9
10	.000	.000	.000	.000	.000	.393	4.97	11.7	33.4	6.25	.543	.056	10
11	.000	.000	.000	.000	.000	.263	3.55	30.8	30.0	5.79	.527	.040	11
12	.000	.000	.000	.000	.000	.160	2.32	56.6	23.5	5.25	.520	-	12
13	.000	.000	.000	.000	.000	.040	1.24	-	22.8	4.16	.497	-	13
14	.000	.000	.000	.000	.000	.001	1.32	-	-	3.73	.480	-	14
15	.000	.000	.000	.000	.000	.000	2.06	-	-	3.10	.492	-	15
16	.000	.000	.000	.000	.000	.022	2.05	-	37.0	2.20	.460	-	16
17	.000	.000	.000	.000	.000	.077	2.05	-	13.1	2.01	.287	-	17
18	.000	.000	.000	.000	.000	.137	1.66	57.1	9.22	1.86	.225	-	18
19	.000	.000	.000	.000	.000	.275	1.20	57.8	7.94	1.81	.200	-	19
20	.000	.000	.000	.000	.000	.258	3.35	63.5	7.21	1.70	-	-	20
21	.000	.000	.000	.000	.000	.202	10.6	75.7	6.53	1.70	-	-	21
22	.000	.000	.000	.000	.000	.185	11.5	70.9	5.86	1.68	-	-	22
23	.000	.000	.000	.000	.000	.148	10.8	68.1	5.78	1.63	-	-	23
24	.000	.000	.000	.000	.000	.121	6.97	-	6.13	1.63	-	-	24
25	.000	.000	.000	.000	.000	1.86	4.07	-	7.19	1.61	-	-	25
26	.000	.000	.000	.000	.000	8.09	3.38	65.5	6.98	1.56	-	-	26
27	.000	.000	.000	.000	.000	9.83	2.84	57.1	10.5	1.53	-	-	27
28	.000	.000	.000	.000	.000	2.27	2.79	57.1	18.6	1.44	-	-	28
29	.000	.000	.000	.000	.000	4.59	5.87	55.6	17.3	1.41	.090	-	29
30	.000	.000	.000	.000	.000	10.8	12.4	58.7	15.3	1.30	.084	-	30
31	.000	.000	.000	.000	.000		10.7	62.8		1.22	-	-	31
MO	.000	.000	.000	.000	.000	2.28	4.36	-	-	4.39	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 78.1 M3/S LE 21 AOUT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 75.7 M3/S LE 21 AOUT

BINAH A POUDA

N° 1472706225

DEBITS MOYENS MENSUELS ET ANNUELS

GENERALITES

- superficie du bassin versant.....: 890 Km²
- coordonnées de la station: 09°52'N - 01°15'E
- cote du zero de l'échelle:
- amplitude de l'échelle: 0 à 5.00 m
- accès: Radier de la piste SIOU-POUDA
- date de création: 22.08.1980
- cadence des relevés: Pas de lecteur
Linnigrammes depuis 24.05.84
Balise Argos depuis Juin 1984

STATION : 1472706225 POUDA

LATIT. 9.52.00

RIVIERE : BINAH BINAH

LONGIT. 1.15.00

PAYS : TOGO

BASSIN : VOLTA-OTI

AIRE 690.000 KM2

DEBITS EN M3/S

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1984	-	-	-	-	-	-	+	+	+	8.36	.823	-	-
1985	-	-	-	-	.357	.871	9.67	13.8	+	7.64	.772	-	-
1986	-	-	-	-	-	-	4.20	37.4	+	12.8	2.91	-	-
1987	-	-	-	-	-	-	-	-	23.9	-	-	-	-
MOY.	-	-	-	-	.357	.871	6.94	25.6	23.9	9.60	1.50	-	-

TARAGE

- nombre de jaugeages au 31.12.87: 79
- maximum jaugé: H = 314 CM
Q = 134 M³/S
date : 02.09.1986
- nombre de tarages entre 1983 et 1987: 3
- dernier étalonnage utilisé :
valide du 31.10.1985 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	00000	140	8.030
053	00000	150	10.70
055	0.004	160	13.60
070	0.028	170	16.90
075	0.057	180	20.50
080	0.143	190	25.80
085	0.343	200	32.00
090	0.647	220	44.50
095	0.988	240	59.00
100	1.360	270	84.50
110	2.290	300	116.0
120	3.850	350	182.0
130	5.750	400	266.0
		450	370.0

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472706225 POUDA LATIT. 9.52.00
 RIVIERE : BINAH LONGIT. 1.15.00
 PAYS : TOGO ALTIT. M
 BASSIN : VOLTA AIRE 590 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	-	-	.164	+	23.4	1.80	.122	1
2	-	-	-	-	-	-	-	-	8.74	17.3	1.74	.115	2
3	-	-	-	-	-	-	-	-	6.54	32.2	1.63	.105	3
4	-	-	-	-	-	-	-	-	16.8	18.2	1.48	.092	4
5	-	-	-	-	-	-	-	-	+	13.8	1.33	.082	5
6	-	-	-	-	-	-	-	11.0	19.1	13.6	1.24	-	6
7	-	-	-	-	-	-	-	5.13	9.61	12.8	1.11	-	7
8	-	-	-	-	-	-	-	3.55	7.09	8.79	.986	-	8
9	-	-	-	-	-	-	-	8.05	7.22	9.93	.915	-	9
10	-	-	-	-	-	-	-	14.9	6.15	8.47	.839	-	10
11	-	-	-	-	-	-	-	5.83	+	10.9	.772	-	11
12	-	-	-	-	-	-	-	8.89	30.4	8.97	1.15	-	12
13	-	-	-	-	-	-	-	6.18	26.3	6.26	1.36	-	13
14	-	-	-	-	-	-	-	3.87	16.3	5.98	.992	-	14
15	-	-	-	-	-	-	-	3.05	10.6	4.76	1.71	-	15
16	-	-	-	-	-	-	-	4.19	9.41	4.34	.946	-	16
17	-	-	-	-	-	-	-	3.36	16.5	4.30	.738	-	17
18	-	-	-	-	-	-	-	-	13.3	7.85	.617	-	18
19	-	-	-	-	-	-	-	-	8.35	5.21	.533	-	19
20	-	-	-	-	-	-	-	-	16.3	7.12	.480	-	20
21	-	-	-	-	-	-	-	-	10.8	6.77	.420	-	21
22	-	-	-	-	-	-	-	-	6.40	4.18	.354	-	22
23	-	-	-	-	-	-	-	-	6.25	3.67	.296	-	23
24	-	-	-	-	-	-	-	-	6.15	3.31	.245	-	24
25	-	-	-	-	-	-	2.78	-	4.83	3.02	.215	-	25
26	-	-	-	-	-	-	+	-	7.48	2.82	.202	-	26
27	-	-	-	-	-	-	8.57	-	19.8	2.54	.182	-	27
28	-	-	-	-	-	-	.706	4.11	+	2.40	.154	-	28
29	-	-	-	-	-	-	1.04	4.11	+	2.21	.138	-	29
30	-	-	-	-	-	-	.558	6.90	44.4	2.07	.130	-	30
31	-	-	-	-	-	-	.279	+	-	1.94	-	-	31
MO	-	-	-	-	-	-	-	-	-	8.36	.823	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .082 M3/S LE 05/12 A 08H45
 MAXIMUM INSTANTANE : 90.9 M3/S LE 12/09 A 00H08

MINIMUM JOURNALIER : .082 M3/S LE 05/12
 MAXIMUM JOURNALIER : 44.4 M3/S LE 30/09

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472706225 POUDA LATIT. 9.52.00
 RIVIERE : BINAH LONGIT. 1.15.00
 PAYS : TOGO ALTIT. M
 BASSIN : VOLTA AIRE 590 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	.877	.060	.721	3.20	17.9	13.3	1.76	.120	1
2	-	-	-	-	3.07	5.63	5.76	11.7	24.2	16.5	1.64	-	2
3	-	-	-	-	1.29	1.47	17.0	6.26	22.5	32.7	1.53	-	3
4	-	-	-	-	.540	.895	69.3	4.81	+	30.7	1.41	-	4
5	-	-	-	-	.238	.606	13.8	7.18	31.4	17.9	1.30	-	5
6	-	-	-	-	.269	.378	13.9	29.0	42.9	14.5	1.23	-	6
7	-	-	-	-	.230	.215	6.96	12.8	25.2	12.2	1.17	-	7
8	-	-	-	-	.074	.100	6.49	7.52	17.0	10.4	1.11	-	8
9	-	-	-	-	.067	.038	4.12	20.7	32.0	9.03	1.14	-	9
10	-	-	-	-	.067	.027	15.2	10.2	19.6	8.03	1.14	-	10
11	-	-	-	-	.067	.030	16.2	8.02	25.6	6.96	1.06	-	11
12	-	-	-	-	1.58	.034	7.28	8.18	56.1	6.18	.987	-	12
13	-	-	-	-	.453	.037	5.66	12.2	26.9	5.70	.903	-	13
14	-	-	-	-	.205	.041	25.3	17.2	58.4	5.31	.818	-	14
15	-	-	-	-	.100	.044	10.1	10.8	38.9	4.67	.732	-	15
16	-	-	-	8.96	.071	.048	12.1	13.2	36.9	4.30	.650	-	16
17	-	-	-	1.78	.065	.051	7.01	9.42	55.6	3.98	.589	-	17
18	-	-	-	.851	.063	.054	6.59	7.22	49.4	3.70	.530	-	18
19	-	-	-	.476	.062	.124	6.04	6.60	32.7	3.47	.472	-	19
20	-	-	-	.284	.060	2.41	5.11	9.18	27.5	3.23	.415	-	20
21	-	-	-	.159	.404	1.68	4.40	6.56	18.4	3.00	.380	-	21
22	-	-	-	.402	.268	2.54	7.13	5.55	14.4	2.77	.351	-	22
23	-	-	-	.285	.347	1.55	4.68	4.51	12.6	2.54	.321	-	23
24	-	-	-	.138	.147	.822	4.34	6.32	21.5	2.35	.292	-	24
25	-	-	-	.082	.067	.467	4.00	16.8	17.6	2.18	.264	-	25
26	-	-	-	.077	.065	.265	4.58	52.4	22.0	2.06	.239	-	26
27	-	-	-	.073	.064	1.15	4.35	21.0	12.1	1.97	.215	-	27
28	-	-	-	.069	.063	3.04	3.22	27.0	20.2	1.89	.191	-	28
29	-	-	-	.065	.062	1.47	2.96	27.0	25.6	1.83	.167	-	29
30	-	-	-	.061	.062	.831	2.90	27.2	18.8	1.77	.143	-	30
31	-	-	-	-	.061	-	2.60	18.6	-	1.85	-	-	31
MO	-	-	-	-	.357	.871	9.67	13.8	-	7.64	.772	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .025 M3/S LE 10/06 A 13H01
 MAXIMUM INSTANTANE : 145. M3/S LE 04/07 A 12H00

MINIMUM JOURNALIER : .027 M3/S LE 10/05
 MAXIMUM JOURNALIER : 69.3 M3/S LE 04/07

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472706225 POUDA
 RIVIERE : BINAH
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 9.52.00
 LONGIT. 1.15.00
 ALTIT. M
 AIRE 690 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	-	.195	59.2	96.8	11.3	15.3	.739	1
2	-	-	-	-	-	-	.119	9.29	+	9.51	7.68	.650	2
3	-	-	-	-	-	-	.085	7.28	47.2	8.32	5.74	.614	3
4	-	-	-	-	-	-	.078	5.71	40.5	20.3	4.92	.581	4
5	-	-	-	-	-	-	.074	5.57	52.9	50.7	4.78	.536	5
6	-	-	-	-	-	-	.206	9.33	54.1	74.8	4.23	.489	6
7	-	-	-	-	-	-	1.34	79.5	30.1	23.6	3.82	.465	7
8	-	-	-	-	-	-	1.56	43.4	53.1	19.9	4.16	.465	8
9	-	-	-	-	2.15	1.02	4.13	12.8	64.7	15.7	3.74	.465	9
10	-	-	-	-	5.16	.579	1.84	13.8	49.3	13.9	3.13	.455	10
11	-	-	-	-	.645	.399	11.7	13.1	30.5	12.3	2.90	.435	11
12	-	-	-	-	.188	.216	23.1	8.23	37.5	10.6	2.57	.414	12
13	-	-	-	-	.073	.119	5.89	14.3	23.8	9.24	2.30	.404	13
14	-	-	-	-	.062	4.08	3.28	15.5	50.7	8.16	2.01	.404	14
15	-	-	-	-	.299	2.91	2.37	9.54	24.7	7.33	1.94	.404	15
16	-	-	-	-	.144	2.51	11.0	6.80	16.4	6.66	1.82	.404	16
17	-	-	-	-	.039	1.12	7.15	15.8	15.0	5.89	1.77	.404	17
18	-	-	-	-	.075	.525	3.15	13.9	15.9	5.40	1.68	.404	18
19	-	-	-	-	.051	.290	2.13	29.1	12.0	5.18	1.51	-	19
20	-	-	-	-	.038	.147	1.77	10.1	15.6	5.17	1.34	-	20
21	-	-	-	-	-	6.21	3.90	7.81	39.2	4.68	1.17	-	21
22	-	-	-	-	-	2.17	3.43	17.2	17.4	4.06	1.14	-	22
23	-	-	-	-	-	.680	3.58	68.2	14.1	3.68	1.14	-	23
24	-	-	-	-	-	.378	2.57	102.	16.1	3.61	1.13	-	24
25	-	-	-	-	-	2.15	2.01	94.2	58.4	3.49	1.06	-	25
26	-	-	-	-	-	1.73	1.66	114.	21.9	3.88	.990	-	26
27	-	-	-	-	-	.817	1.40	109.	16.5	4.04	.943	-	27
28	-	-	-	-	-	.609	1.25	41.8	14.0	13.7	.895	-	28
29	-	-	-	-	-	.551	1.16	72.0	12.9	10.1	.845	-	29
30	-	-	-	-	-	.361	1.03	104.	15.1	9.62	.805	-	30
31	-	-	-	-	-	-	27.3	47.6	-	10.9	-	-	31
MO	-	-	-	-	-	-	4.20	37.4	-	12.8	2.91	-	MO

- : lacune + : lacune due à une cote hors barème
 en caractères gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .035 M3/S LE 17/05 A 20H00
 MAXIMUM INSTANTANE : 295. M3/S LE 27/08 A 02H42

MINIMUM JOURNALIER : .038 M3/S LE 20/05
 MAXIMUM JOURNALIER : 114. M3/S LE 26/08

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472706225 POUDA
 RIVIERE : BINAH
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 9.52.00
 LONGIT. 1.15.00
 ALTIT. M
 AIRE 690 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	-	1.65	-	69.3	13.4	-	-	1
2	-	-	-	-	-	.282	2.02	-	36.9	12.5	-	-	2
3	-	-	-	-	-	.059	3.86	-	47.0	11.5	-	-	3
4	-	-	-	-	-	.056	6.52	-	21.9	10.7	-	-	4
5	-	-	-	-	-	.054	2.09	-	25.2	8.37	-	-	5
6	-	-	-	-	-	.072	1.43	-	19.5	15.6	-	-	6
7	-	-	-	-	-	.324	1.13	-	16.6	21.7	-	-	7
8	-	-	-	-	-	.135	2.10	-	14.0	13.9	-	-	8
9	-	-	-	-	-	.066	9.33	-	16.0	12.2	-	-	9
10	-	-	-	-	-	3.18	2.08	-	27.9	14.6	-	-	10
11	-	-	-	-	-	2.32	1.26	-	19.4	12.1	-	-	11
12	-	-	-	-	-	1.01	.961	-	33.9	33.1	-	-	12
13	-	-	-	-	-	.611	2.14	-	15.0	14.3	-	-	13
14	-	-	-	-	-	2.10	1.14	-	47.6	12.8	-	-	14
15	-	-	-	-	-	2.38	.728	-	46.0	10.5	-	-	15
16	-	-	-	-	-	1.02	.664	11.5	49.2	18.6	-	-	16
17	-	-	-	-	-	.568	.607	15.8	19.1	26.3	-	-	17
18	-	-	-	-	-	1.48	4.57	14.9	19.8	12.7	-	-	18
19	-	-	-	-	-	.905	1.25	9.77	14.9	9.79	-	-	19
20	-	-	-	-	-	.633	.938	10.7	17.5	8.45	-	-	20
21	-	-	-	-	-	.396	57.0	12.0	15.3	7.52	-	-	21
22	-	-	-	-	-	.253	9.38	9.74	14.4	6.61	-	-	22
23	-	-	-	-	-	.263	-	12.1	12.6	5.34	-	-	23
24	-	-	-	-	-	.311	-	20.5	10.7	4.25	-	-	24
25	-	-	-	-	-	.257	-	64.4	9.25	3.85	-	-	25
26	-	-	-	-	-	.245	-	32.3	8.57	3.53	-	-	26
27	-	-	-	-	-	.232	-	20.0	9.49	3.23	-	-	27
28	-	-	-	-	-	.983	-	20.7	20.5	2.94	-	-	28
29	-	-	-	-	-	.805	-	17.6	26.5	2.70	-	-	29
30	-	-	-	-	-	2.90	-	20.3	12.2	-	-	-	30
31	-	-	-	-	-	-	-	75.6	-	-	-	-	31
MO	-	-	-	-	-	-	-	-	23.9	-	-	-	MO

- : lacune + : lacune due à une cote hors barème
 en caractères gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .051 M3/S LE 06/06 A 20H37
 MAXIMUM INSTANTANE : 187. M3/S LE 15/09 A 23H56

MINIMUM JOURNALIER : .054 M3/S LE 05/06
 MAXIMUM JOURNALIER : 75.6 M3/S LE 31/09

KAMA A BASSAR

N° 1472706903

DEBITS MOYENS MENSUELS ET ANNUELS

GENERALITES

- superficie du bassin versant.....: 202 Km²
- coordonnées de la station: 09°15'N - 00°49'E
- cote du zero de l'échelle: 226 m. (IGN) environ.
- amplitude de l'échelle: 0 à 8.00m.
- accès: Ancien pont de la route SOKODE BASSAR.
- date de création: 23.05.1962
- cadence des relevés: 1 releve par jour.
Limnigramme depuis le 18.07.1981

TARAGE

- nombre de jaugeages au 31.12.87: 55
- maximum jaugé: H = 325-297 CM.
Q = 38.6 M³/S
date : 22.07.1982
- nombre de tarages entre 1983 et 1987: 3
- dernier étalonnage utilisé :
valide du 02.08.1985 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	0.000	170	2.290
103	0.000	180	3.770
110	0.020	200	7.890
115	0.052	220	12.90
125	0.190	250	21.60
135	0.379	300	36.40
145	0.605	350	51.50
155	1.000	700	157.0
160	1.310		

REMARQUE

- Débits relatifs aux limnigrammes, complétés par des lectures d'échelle.

STATION : 1472706903 BASSAR (BASSARI) LATIT. 9.15.00
 RIVIERE : KAMA LONGIT. 0.49.00
 PAYS : TOGO ALTI. 230M
 BASSIN : VOLTA AIRE 202.000 KM2
 DEBITS EN M3/S

ANNEE	JANV	FEVR	MARS	AVR	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1962	-	-	-	-	-	-	.480	-	6.99	4.18	1.65	.285	-
1963	-	.130	.080	.175	.218	.615	3.61	7.94	-	8.77	3.36	.453	-
1964	-	-	.049	-	.128	.433	-	-	-	-	1.10	-	-
1965	.107	-	.027	-	.503	.694	-	-	-	-	.521	-	-
1966	-	.000	.000	.017	-	1.75	.754	-	-	6.47	1.06	.179	-
1967	.083	.047	-	.119	-	.163	1.00	2.45	-	-	1.75	-	-
1968	-	-	-	-	-	-	-	-	-	-	-	.145	-
1969	.057	-	-	-	-	.387	-	-	-	-	2.16	-	-
1970	-	-	-	-	-	-	-	5.12	12.7	2.28	.155	.045	-
1971	.084	.063	.088	.056	.309	.500	.665	2.14	5.95	2.14	-	-	-
1972	.000	.002	.000	.000	-	.675	.924	.855	-	4.13	.473	.257	-
1973	-	-	.019	.040	-	.163	-	-	-	-	-	.000	-
1974	.000	.000	.000	.000	.000	.000	-	1.07	6.30	3.95	-	-	-
1975	.000	.000	.000	.039	.003	.360	6.83	5.00	5.41	1.79	.006	.000	1.62
1976	.000	.000	.000	.000	.000	-	.016	.069	2.18	7.87	2.26	.000	-
1977	.000	.000	.000	.000	.138	.160	.282	.138	2.17	4.13	-	-	-
1978	.000	.000	.000	-	-	-	5.19	-	-	-	-	1.92	-
1979	-	1.56	.921	1.67	-	4.68	4.66	9.24	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	3.66	4.99	-	.269	.023	-
1982	.008	.045	.000	.002	.036	-	1.03	.155	1.80	3.14	.918	.026	-
1983	.002	.000	-	.262	.104	.226	+	.374	1.56	.100	.000	-	-
1984	.000	.000	.195	.683	.167	.021	.321	1.37	4.31	3.41	.065	.009	.882
1985	.000	.000	.000	.000	.033	.599	1.22	7.08	7.32	1.55	.084	.008	1.49
1986	.000	.000	.000	.000	.006	.068	.978	4.37	3.41	2.90	.145	.026	.992
1987	.004	.000	.000	.000	.000	.063	.388	2.09	4.42	2.30	.105	.039	.784
MOY.	.021	.109	.076	.180	.118	.642	1.77	3.13	4.97	3.69	.893	.213	1.15

DEBITS MOYENS JOURNALIERS ANNEE 1983

STATION : 1472706903 BASSAR LATIT. 9.15.00
 RIVIERE : KAMA LONGIT. 0.49.00
 PAYS : TOGO ALTIT. 230 M
 BASSIN : VOLTA AIRE 202 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.007	.000	.000	.000	.021	.021	.296	.703	.216	.406	.004	.000	1
2	.005	.000	-	.090	.010	.021	.686	.536	.154	.304	.001	.000	2
3	.005	.000	-	5.45	.006	.321	+	.577	.130	.264	.001	.000	3
4	.005	.000	-	.851	.003	.145	2.77	.486	.127	.259	.001	.000	4
5	.005	.000	-	.389	.002	.073	3.69	.415	.118	.259	.001	.000	5
6	.005	.000	-	.302	.000	.036	9.33	.397	.104	.252	.000	.000	6
7	.005	.000	-	.182	.000	.025	2.16	.150	.368	.184	.000	.000	7
8	.004	.000	-	.112	.000	.019	1.49	.259	6.93	.126	.000	.000	8
9	.003	.000	-	.083	.000	.012	1.27	.285	1.22	.106	.000	.000	9
10	.003	.000	-	.054	.000	.006	.958	.244	.686	.095	.000	.000	10
11	.003	.000	-	.049	.000	.006	.738	.201	2.73	.091	.000	.000	11
12	.003	.000	.000	.046	.000	.013	2.36	1.50	1.47	.080	.000	.000	12
13	.003	.000	.000	.033	.000	.006	.732	1.66	.646	.077	.000	.000	13
14	.003	.000	.000	.022	.000	.061	5.75	.648	.756	.068	.000	.000	14
15	.003	.000	.000	.021	.172	.041	1.72	.454	.709	.058	.000	.000	15
16	.002	.000	.000	.019	.006	.024	1.01	.325	.497	.057	.000	.000	16
17	.000	.000	.000	.011	.000	.016	2.68	.267	.950	.056	.000	.000	17
18	.000	.000	.000	.010	.707	.010	1.29	.210	1.04	.048	.000	.000	18
19	.000	.000	.000	.010	.591	1.00	.779	.159	.679	.046	.000	.000	19
20	.000	.000	.000	.010	.211	.598	.590	.147	1.85	.045	.000	.000	20
21	.000	.000	.000	.010	.119	.244	.500	.133	.912	.038	.000	.000	21
22	.000	.000	.000	.010	.066	.106	.386	.147	3.21	.033	.000	.000	22
23	.000	.000	.000	.010	.048	.055	1.23	.145	8.89	.025	.000	.000	23
24	.000	.000	.000	.009	.039	1.06	2.01	.129	5.25	.021	.000	.000	24
25	.000	.000	.000	.006	.336	1.64	.642	.115	2.35	.020	.000	.000	25
26	.000	.000	.000	.004	.084	.503	.482	.115	1.76	.016	.000	.000	26
27	.000	.000	.000	.003	.051	.229	3.41	.179	1.12	.015	.000	.000	27
28	.000	.000	.000	.008	.224	.137	1.53	.262	.844	.011	.000	.000	28
29	.000	.000	.000	.006	.348	.182	.843	.314	.657	.010	.000	.000	29
30	.000	.000	.000	.023	.144	.097	.746	.263	.533	.010	.000	-	30
31	.000	.000	.000	.034	.777	.188	.010	-	-	-	-	-	31
M0	.002	.000	-	.262	.104	.226	+	.374	1.56	.100	.000	-	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/04 A 00H00
 MAXIMUM INSTANTANE : 52.6 M3/S LE 03/07 A 11H47

MINIMUM JOURNALIER : .000 M3/S LE 01/04
 MAXIMUM JOURNALIER : 9.33 M3/S LE 06/07

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472706903 BASSAR LATIT. 9.15.00
 RIVIERE : KAMA LONGIT. 0.49.00
 PAYS : TOGO ALTIT. 230 M
 BASSIN : VOLTA AIRE 202 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.027	.030	.021	.360	15.5	1.74	.186	.017	1
2	.000	.000	.000	.000	.026	.051	.015	.727	7.10	1.39	.164	.017	2
3	.000	.000	.000	.000	.022	.050	.013	.248	4.20	5.87	.125	.017	3
4	.000	.000	.000	.000	.017	.028	.010	.312	17.3	3.68	.099	.017	4
5	.000	.000	.000	.000	.017	.021	.008	.205	7.25	3.05	.085	.017	5
6	.000	.000	.000	.000	.016	.017	.005	.138	6.76	2.99	.080	.017	6
7	.000	.000	.000	.000	.013	.012	.003	.104	5.74	4.47	.074	.017	7
8	.000	.000	.000	1.00	.012	.012	.003	.088	7.88	2.85	.069	.017	8
9	.000	.000	.000	10.3	.008	.014	.038	2.80	6.51	3.11	.064	.017	9
10	.000	.000	.000	6.01	.007	.032	.243	3.93	4.21	2.90	.059	.016	10
11	.000	.000	.000	.606	.038	.033	.098	.719	3.91	13.0	.053	.012	11
12	.000	.000	.000	.085	.171	.024	.047	.431	3.24	13.3	.040	.012	12
13	.000	.000	.000	.172	.079	.011	.540	2.67	5.66	6.26	.076	.011	13
14	.000	.000	.000	.733	.037	.003	2.84	.728	5.79	5.09	.251	.008	14
15	.000	.000	.458	.258	.027	.002	1.27	.729	5.11	3.63	.100	.007	15
16	.000	.000	4.68	.174	.017	.002	.483	1.08	2.45	2.56	.058	.007	16
17	.000	.000	.513	.143	.011	.002	.201	1.61	2.00	2.32	.047	.007	17
18	.000	.000	.093	.100	.007	.001	.248	1.50	2.29	6.92	.040	.004	18
19	.000	.000	.068	.053	.006	.001	.178	.828	1.75	2.87	.034	.003	19
20	.000	.000	.057	.025	.033	.001	.109	5.22	1.41	2.03	.033	.003	20
21	.000	.000	.041	.007	.020	.000	.066	1.89	1.75	2.00	.033	.003	21
22	.000	.000	.029	.002	.011	.000	.055	.737	1.27	2.53	.028	.003	22
23	.000	.000	.033	.029	.003	.000	.048	.502	2.59	2.46	.023	.003	23
24	.000	.000	.042	.315	.654	.000	.079	.305	1.49	2.04	.022	.003	24
25	.000	.000	.023	.191	2.69	.002	.094	.536	1.13	1.74	.022	.003	25
26	.000	.000	.003	.116	.731	.002	.494	1.75	1.05	1.44	.021	.003	26
27	.000	.000	.000	.076	.203	.081	1.79	.648	.888	1.14	.018	.003	27
28	.000	.000	.000	.055	.134	.114	.171	.358	.761	.839	.017	.002	28
29	.000	.000	.000	.038	.075	.042	.248	.742	.816	.550	.017	.002	29
30	.000	.000	.000	.029	.030	.028	.366	4.85	2.37	.467	.017	.002	30
31	.000	.000	.000	.013	.172	5.70	.334	.002	-	-	-	-	31
M0	.000	.000	.195	.683	.167	.021	.321	1.37	4.34	3.41	.065	.009	M0

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/01 A 00H00
 MAXIMUM INSTANTANE : 58.2 M3/S LE 04/09 A 07H36

MINIMUM JOURNALIER : .000 M3/S LE 01/01
 MAXIMUM JOURNALIER : 17.3 M3/S LE 04/09

DEBIT MOYEN ANNUEL : .882 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472706903 BASSAR LATIT. 9.15.00
 RIVIERE : KAMA LONGIT. 0.49.00
 PAYS : TOGO ALTIT. 230 M
 BASSIN : VOLTA AIRE 202 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.002	.000	.000	.000	.000	.008	.098	7.81	3.75	2.26	.313	.017	1
2	.002	.000	.000	.000	.000	.160	.121	22.7	6.26	3.03	.244	.016	2
3	.002	.000	.000	.000	.000	.096	4.41	7.21	4.51	6.29	.189	.014	3
4	.002	.000	.000	.000	.000	.055	1.61	3.76	9.01	10.5	.160	.014	4
5	.002	.000	.000	.000	.000	.041	1.48	8.19	8.67	5.02	.137	.014	5
6	.001	.000	.000	.000	.000	.033	.617	16.3	9.34	3.41	.118	.014	6
7	.001	.000	.000	.000	.000	.029	.238	7.83	7.13	2.46	.079	.014	7
8	.001	.000	.000	.000	.000	.026	.146	3.85	5.17	2.11	.079	.014	8
9	.000	.000	.000	.000	.000	.024	.100	2.61	7.64	1.73	.108	.014	9
10	.000	.000	.000	.000	.000	.026	.164	5.26	6.85	1.70	.136	.013	10
11	.000	.000	.000	.000	.000	.036	.632	4.52	8.51	1.29	.157	.011	11
12	.000	.000	.000	.000	.000	3.24	.169	3.40	6.57	1.47	.089	.011	12
13	.000	.000	.000	.000	.000	.298	.116	3.92	4.50	1.04	.069	.010	13
14	.000	.000	.000	.000	.000	.057	.288	3.20	6.77	.729	.073	.008	14
15	.000	.000	.000	.000	.003	.018	.340	5.27	4.81	.558	.063	.008	15
16	.000	.000	.000	.000	.006	.020	.518	6.00	24.2	.476	.059	.008	16
17	.000	.000	.000	.000	.018	.021	.455	3.53	17.6	.401	.055	.008	17
18	.000	.000	.000	.000	.024	.022	.238	7.04	8.31	.339	.046	.008	18
19	.000	.000	.000	.000	.252	.024	1.22	5.76	5.78	.317	.036	.006	19
20	.000	.000	.000	.000	.149	.025	5.01	3.99	10.0	.294	.033	.005	20
21	.000	.000	.000	.000	.081	3.25	1.21	3.95	5.59	.254	.028	.005	21
22	.000	.000	.000	.000	.054	1.75	.550	5.04	3.57	.220	.031	.003	22
23	.000	.000	.000	.000	.052	.240	.668	8.97	7.08	.178	.026	.002	23
24	.000	.000	.000	.000	.044	.109	1.55	7.96	8.97	.158	.027	.002	24
25	.000	.000	.000	.000	.024	.085	.635	14.3	4.87	.134	.032	.002	25
26	.000	.000	.000	.000	.020	.064	.281	13.0	4.31	.121	.037	.000	26
27	.000	.000	.000	.000	.019	5.39	.322	8.55	2.66	.107	.032	.000	27
28	.000	.000	.000	.000	.018	2.29	.672	8.63	8.54	.132	.025	.000	28
29	.000	.000	.000	.000	.113	.328	.451	6.04	5.14	.324	.019	.000	29
30	.000	.000	.000	.000	.053	.131	9.82	6.02	3.41	.622	.017	.000	30
31	.000	.000	.000	.000	.033	3.82	4.98	.366	.000	.000	.000	.000	31
MO	.000	.000	.000	.000	.033	.599	1.22	7.08	7.32	1.55	.084	.008	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 12/01 A 05H00
 MAXIMUM INSTANTANE : 130. M3/S LE 16/09 A 17H12

MINIMUM JOURNALIER : .000 M3/S LE 14/05
 MAXIMUM JOURNALIER : 24.2 M3/S LE 16/09

DEBIT MOYEN ANNUEL : 1.49 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472706903 BASSAR LATIT. 9.15.00
 RIVIERE : KAMA LONGIT. 0.49.00
 PAYS : TOGO ALTIT. 230 M
 BASSIN : VOLTA AIRE 202 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.007	.019	.244	1.73	4.85	.276	.081	1
2	.000	.000	.000	.000	.000	.007	.014	.207	1.25	2.95	.247	.069	2
3	.000	.000	.000	.000	.000	.006	.011	.158	.946	2.21	.230	.065	3
4	.000	.000	.000	.000	.000	.006	.009	.108	.841	17.7	.206	.065	4
5	.000	.000	.000	.000	.000	.007	.045	.147	3.26	13.4	.189	.065	5
6	.000	.000	.000	.000	.000	.012	.128	.111	1.25	19.5	.183	.064	6
7	.000	.000	.000	.000	.000	.470	.162	12.7	1.08	6.96	.176	.044	7
8	.000	.000	.000	.000	.000	.275	.103	7.56	15.9	3.83	.166	.022	8
9	.000	.000	.000	.000	.000	.144	8.66	2.30	6.39	2.59	.167	.012	9
10	.000	.000	.000	.000	.000	.100	1.04	8.76	3.05	2.11	.174	.011	10
11	.000	.000	.000	.000	.000	.057	.569	9.17	5.10	2.21	.167	.011	11
12	.000	.000	.000	.000	.000	.373	2.59	5.34	1.46	.157	.009	.009	12
13	.000	.000	.000	.000	.000	.040	.283	3.62	2.05	2.15	.149	.017	13
14	.000	.000	.000	.000	.000	.035	.173	5.99	2.35	1.48	.149	.055	14
15	.000	.000	.000	.000	.000	.029	.132	3.32	2.79	.898	.149	.033	15
16	.000	.000	.000	.000	.000	.024	5.49	2.04	1.42	.633	.148	.026	16
17	.000	.000	.000	.000	.000	.018	5.29	5.31	1.28	.552	.128	.026	17
18	.000	.000	.000	.000	.000	.014	.581	2.55	.837	.503	.121	.025	18
19	.000	.000	.000	.000	.000	.011	.326	1.87	.810	.457	.120	.015	19
20	.000	.000	.000	.000	.000	.009	.308	1.41	.656	.413	.110	.010	20
21	.000	.000	.000	.000	.000	.062	.616	1.09	6.23	.391	.097	.008	21
22	.000	.000	.000	.000	.000	.088	3.79	1.58	3.48	.370	.093	.008	22
23	.000	.000	.000	.000	.010	.056	.600	5.91	1.34	.329	.093	.008	23
24	.000	.000	.000	.000	.045	.032	.397	10.8	.871	.306	.093	.008	24
25	.000	.000	.000	.000	.045	.125	.310	16.2	1.52	.300	.093	.008	25
26	.000	.000	.000	.000	.039	.171	.210	7.29	.922	.278	.093	.008	26
27	.000	.000	.000	.000	.017	.100	.157	4.76	.708	.231	.093	.008	27
28	.000	.000	.000	.000	.013	.037	.136	3.59	2.57	.234	.093	.008	28
29	.000	.000	.000	.000	.009	.032	.124	6.17	12.4	.236	.093	.008	29
30	.000	.000	.000	.000	.008	.027	.113	5.08	13.9	.226	.092	.008	30
31	.000	.000	.000	.000	.008	.142	2.72	.212	.000	.000	.000	.000	31
MO	.000	.000	.000	.000	.006	.068	.978	4.37	3.41	2.90	.145	.026	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/01 A 00H00
 MAXIMUM INSTANTANE : 91.6 M3/S LE 07/08 A 20H14

MINIMUM JOURNALIER : .000 M3/S LE 01/01
 MAXIMUM JOURNALIER : 19.5 M3/S LE 06/10

DEBIT MOYEN ANNUEL : 1.00 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472706903 BASSAR LATIT. 9.15.00
 RIVIERE : KAMA LONGIT. 0.49.00
 PAYS : TOGO ALTIT. 230 M
 BASSIN : VOLTA AIRE 202 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.008	.000	.000	.000	.000	.000	.150	.225	18.2	.907	.215	.039	1
2	.006	.000	.000	.000	.000	.002	.078	.150	10.4	.697	.205	.039	2
3	.005	.000	.000	.000	.000	.038	.057	.327	9.22	.850	.194	.039	3
4	.005	.000	.000	.000	.000	.035	.074	1.05	7.50	.871	.184	.039	4
5	.005	.000	.000	.000	.000	.228	.059	.546	17.4	.776	.173	.039	5
6	.005	.000	.000	.000	.000	.113	.039	.390	5.79	5.94	.162	.039	6
7	.005	.000	.000	.000	.000	.034	.038	.274	2.60	8.14	.153	.039	7
8	.005	.000	.000	.000	.000	.024	.072	.171	4.07	3.27	.144	.039	8
9	.005	.000	.000	.000	.000	.017	.251	.130	3.11	1.60	.135	.039	9
10	.005	.000	.000	.000	.000	.014	.043	.096	1.56	1.30	.126	.039	10
11	.005	.000	.000	.000	.000	.011	.035	.203	1.71	9.28	.117	.039	11
12	.005	.000	.000	.000	.000	.008	.164	.208	1.37	11.9	.108	.039	12
13	.005	.000	.000	.000	.000	.008	.056	.153	.949	3.48	.105	.039	13
14	.005	.000	.000	.000	.000	.017	.025	1.11	2.05	1.76	.103	.039	14
15	.005	.000	.000	.000	.000	.033	.107	.395	2.02	1.91	.100	.039	15
16	.005	.000	.000	.000	.000	.061	.091	.377	17.7	3.77	.098	.039	16
17	.005	.000	.000	.000	.000	.044	.039	.406	5.59	5.18	.095	.039	17
18	.005	.000	.000	.000	.000	.031	.024	.481	5.02	1.36	.093	.039	18
19	.005	.000	.000	.000	.000	.029	.022	2.73	2.81	1.05	.086	.039	19
20	.005	.000	.000	.000	.000	.053	.142	4.66	2.39	1.26	.078	.039	20
21	.005	.000	.000	.000	.000	.056	3.68	.738	1.92	1.06	.070	.039	21
22	.003	.000	.000	.000	.000	.049	.441	.467	1.43	.848	.063	.039	22
23	.000	.000	.000	.000	.000	.073	.197	.579	1.00	.673	.055	.039	23
24	.000	.000	.000	.000	.000	.047	.127	4.30	.822	.661	.047	.039	24
25	.000	.000	.000	.000	.000	.056	.100	15.9	1.27	.525	.044	.039	25
26	.000	.000	.000	.000	.000	.055	.094	6.08	1.44	.448	.043	.039	26
27	.000	.000	.000	.000	.000	.098	.133	7.08	.952	.403	.042	.039	27
28	.000	.000	.000	.000	.000	.220	4.08	7.26	.752	.370	.041	.039	28
29	.000	.000	.000	.000	.000	.133	.689	3.51	.745	.334	.040	.039	29
30	.000	.000	.000	.000	.000	.238	.254	3.27	.805	.285	.039	.039	30
31	.000	.000	.000	.000	.000	.669	1.40	.231	.039	.039	.039	.039	31
MO	.004	.000	.000	.000	.000	.053	.388	2.09	4.42	2.30	.105	.039	MO

- : lacune + : lacune due à une cote hors barème
 en caractères gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 23/01 A 08H50
 MAXIMUM INSTANTANE : 61.2 M3/S LE 04/09 A 23H40

MINIMUM JOURNALIER : .000 M3/S LE 24/01
 MAXIMUM JOURNALIER : 18.2 M3/S LE 01/09

DEBIT MOYEN ANNUEL : .787 M3/S

GENERALITES

- superficie du bassin versant.....: 3.695 Km²
- coordonnées de la station: 10°00'N - 01°07'E
- cote du zero de l'échelle: 178.00m (IGN)
- amplitude de l'échelle: 00.00 à 10.00m
- accès: Radier de la route KANTE-BOUKOUMBE
- date de création: 15.01.1962
- cadence des relevés: 1 relevé par jour jusqu'au 31-05-84, ensuite lectures hebdomadaires. Limnigrammes depuis le 07-03-83. Balise Argos depuis le 16-06-84

TARAGE

- nombre de jaugeages au 31.12.87: 152
- maximum jaugé: H = 595-574 CM
Q = 354 M³/S
date : 27.08.1986
- nombre de tarages entre 1983 et 1987: 04
- dernier étalonnage utilisé :
valide du 25.09.1985 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
050	0.000	120	18.90
023	0.000	140	26.80
025	0.005	160	36.10
030	0.050	180	46.00
035	0.198	200	56.40
040	0.460	230	73.20
045	0.848	260	91.20
050	1.370	300	117.0
060	2.800	350	152.0
070	4.540	400	189.0
080	6.820	470	247.0
090	9.640	550	320.0
100	12.20	650	426.0
		750	548.0

REMARQUE

- débits relatifs aux limnigrammes, complétés par des lectures d'échelle.

STATION : 1472707006 TITIRA
RIVIERE : KERAN
PAYS : TOGO
BASSIN : VOLTA
DEBITS EN M3/S

LATIT. 10.00.00
LONGIT. 1.06.30
ALTIT. 178M
AIRE 3695.00 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1962	-	.040	.023	1.49	-	-	-	-	-	75.4	25.5	-	-
1963	-	1.06	.576	1.82	1.79	2.33	77.6	257.	-	165.	44.5	-	-
1964	4.27	1.35	1.18	1.19	5.76	5.19	34.4	108.	245.	48.2	11.2	3.45	39.1
1965	2.05	-	-	-	6.35	11.5	27.7	96.2	109.	27.5	4.81	1.49	-
1966	.691	.238	.107	.440	4.81	21.7	32.8	104.	146.	102.	18.1	3.77	36.2
1967	1.47	.487	.276	.707	5.03	5.94	62.9	228.	149.	86.9	13.8	6.78	46.8
1968	2.17	.753	.303	12.7	15.3	50.9	-	135.	218.	85.8	20.4	6.47	-
1969	2.86	1.19	.355	1.87	1.90	2.80	45.8	-	-	-	-	11.1	-
1970	4.14	1.79	.941	.305	2.66	1.78	22.8	114.	298.	72.4	11.6	3.18	44.5
1971	1.50	.935	.424	1.78	1.68	2.45	87.9	212.	176.	37.9	6.58	2.68	44.3
1972	1.04	.338	.167	.774	14.3	11.5	44.9	78.4	121.	38.9	7.97	2.87	26.9
1973	1.89	.388	.136	.195	1.72	2.64	12.3	108.	162.	58.0	7.19	1.47	29.7
1974	.555	.225	.072	.131	3.63	8.52	34.1	98.0	207.	63.3	12.0	-	-
1975	1.05	.502	.194	3.63	2.94	1.81	54.5	123.	186.	55.9	9.09	2.62	36.8
1976	.978	.415	.174	.143	1.88	-	43.8	80.9	64.8	60.2	22.6	3.63	-
1977	1.18	.396	.131	.515	1.20	3.14	17.5	26.6	73.3	15.2	1.60	.349	11.8
1978	.131	.039	.577	1.86	3.33	9.88	83.9	126.	135.	33.4	11.0	2.15	33.9
1979	.813	.210	.075	.073	3.18	11.9	88.1	109.	219.	73.2	-	2.83	-
1980	1.26	.389	.075	.016	3.28	12.2	7.00	94.0	121.	38.8	9.19	1.99	24.1
1981	.640	.192	.049	.204	1.60	5.55	24.3	110.	76.0	17.7	2.58	.481	19.9
1982	.152	.023	.067	1.76	4.48	3.52	15.4	24.2	83.1	42.7	17.6	2.09	16.3
1983	.626	.236	.013	.184	2.08	6.64	33.4	31.8	36.4	10.9	1.19	.242	10.3
1984	.038	.000	1.22	3.45	1.81	.378	11.7	16.2	44.8	28.2	2.75	-	-
1985	-	-	-	1.27	.536	2.12	18.0	39.3	69.2	25.0	2.43	-	-
1986	-	.004	.000	.672	1.62	2.91	9.10	73.8	116.	42.6	16.6	-	-
1987	-	-	-	-	-	1.92	17.9	60.1	-	-	-	-	-
MOY.	1.41	.487	.310	1.55	3.87	7.88	37.8	102.	139.	54.4	12.2	3.14	30.0

DEBITS MOYENS JOURNALIERS ANNEE 1983

STATION : 1472707006 TITIRA
 RIVIERE : KERAN
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.00.00
 LONGIT. 1.06.30
 ALTIT. 170 M
 AIRE 3695 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	1.02	.225	.050	.000	.050	1.57	4.10	56.7	17.0	26.1	2.39	.450	1
2	1.02	.286	.050	.000	.050	2.33	1.96	46.3	18.7	27.5	2.14	.414	2
3	1.02	.253	.050	.000	.050	12.6	27.8	43.1	13.8	27.8	2.04	.412	3
4	.989	.251	.050	.000	.050	11.1	13.3	44.8	12.4	26.9	1.95	.412	4
5	.913	.251	.050	.000	.050	7.24	53.0	33.9	13.0	30.4	1.86	.397	5
6	.895	.251	.057	.256	.050	4.39	39.5	30.0	21.2	20.3	1.78	.360	6
7	.824	.251	.029	.882	.087	2.68	18.5	89.2	16.0	17.3	1.69	.358	7
8	.821	.236	.020	.860	.135	1.92	48.9	39.1	36.0	15.3	1.60	.358	8
9	.796	.200	.010	.688	.148	13.1	18.8	87.9	25.6	13.6	1.51	.343	9
10	.735	.243	.000	.520	1.48	5.65	12.9	35.3	17.3	12.0	1.43	.307	10
11	.732	.508	.000	.386	3.44	4.06	10.2	42.1	18.9	10.8	1.37	.305	11
12	.707	.793	.000	.293	1.85	3.79	55.1	52.9	19.6	10.2	1.31	.305	12
13	.646	.525	.000	.238	1.21	3.20	18.9	33.7	16.9	9.26	1.25	.305	13
14	.643	.431	.000	.192	.896	2.43	47.8	29.1	36.3	8.39	1.19	.290	14
15	.643	.418	.000	.163	.728	2.32	46.3	27.1	65.8	7.96	1.13	.253	15
16	.643	.280	.000	.136	.621	5.94	23.3	24.3	43.1	7.19	1.07	.251	16
17	.618	.193	.000	.108	.563	24.4	45.8	21.7	36.0	6.44	1.01	.236	17
18	.557	.163	.000	.080	4.65	9.68	40.3	19.1	26.1	5.84	.962	.200	18
19	.554	.144	.000	.060	7.65	20.8	23.2	16.6	28.0	5.47	.914	.190	19
20	.554	.135	.000	.060	2.78	23.6	17.6	16.8	25.7	5.23	.866	.171	20
21	.529	.108	.000	.060	3.47	9.72	14.4	18.2	29.3	5.02	.818	.170	21
22	.468	.088	.000	.060	5.10	5.56	12.4	15.2	13.1	4.81	.770	.170	22
23	.465	.079	.000	.060	3.23	3.87	10.7	13.9	61.5	4.60	.734	.162	23
24	.465	.060	.000	.060	2.63	3.04	17.4	14.2	73.7	4.38	.643	.136	24
25	.450	.060	.000	.060	10.0	2.51	16.4	13.0	102.	4.17	.643	.116	25
26	.398	.060	.000	.060	3.36	2.42	12.3	15.7	53.9	3.96	.618	.107	26
27	.345	.060	.000	.060	1.84	2.74	45.8	18.0	39.7	3.75	.557	.088	27
28	.291	.050	.000	.060	1.26	2.26	68.3	28.4	34.3	3.53	.529	.079	28
29	.253	.000	.000	.060	2.49	1.88	52.4	19.0	31.7	3.30	.468	.060	29
30	.236	.000	.000	.060	2.67	2.45	125.	17.6	28.7	3.00	.465	.060	30
31	.200	.000	.000	.000	1.92	.000	93.1	22.9	.000	2.69	.060	.000	31
MO	.626	.236	.013	.184	2.08	6.64	33.4	31.8	36.4	10.9	1.19	.243	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 10/03 A 10H04
 MAXIMUM INSTANTANE : 274. M3/S LE 30/07 A 20H30

MINIMUM JOURNALIER : .000 M3/S LE 11/03
 MAXIMUM JOURNALIER : 131. M3/S LE 22/09

DEBIT MOYEN ANNUEL : 10.5 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472707006 TITIRA
 RIVIERE : KERAN
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.00.00
 LONGIT. 1.06.00
 ALTIT. 178 M
 AIRE 3695 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.060	.000	.000	.442	.928	.667	.313	11.2	60.1	72.7	6.16	.797	1
2	.060	.000	.000	.379	4.24	.614	.396	16.3	36.0	49.4	5.73	.731	2
3	.060	.000	.000	.316	1.89	.560	.372	13.5	21.0	63.1	5.30	.666	3
4	.060	.000	.000	.254	1.22	.507	.372	10.8	41.7	63.1	4.87	.601	4
5	.060	.000	.000	.191	3.14	.453	.524	15.9	42.3	45.3	4.50	.545	5
6	.060	.000	.000	.139	2.02	.399	1.18	18.2	60.1	47.1	4.20	-	6
7	.060	.000	.000	.114	1.95	.541	1.85	20.2	42.4	37.9	3.90	-	7
8	.060	.000	.000	.091	2.50	.640	2.99	11.4	37.5	31.8	3.57	-	8
9	.060	.000	.000	.135	1.69	.521	2.08	11.5	28.2	28.0	3.21	-	9
10	.060	.000	.071	2.53	1.97	.416	3.07	19.4	32.2	29.6	2.84	-	10
11	.060	.000	2.37	1.13	10.5	.367	6.55	15.2	24.5	34.9	2.54	-	11
12	.060	.000	1.62	.676	5.53	.328	2.50	9.30	114.	69.3	2.31	-	12
13	.060	.000	.861	.461	2.67	.442	1.68	56.1	69.6	33.1	2.15	-	13
14	.060	.000	.540	.370	1.64	.446	1.76	21.8	49.0	25.6	4.52	-	14
15	.060	.000	.404	.260	1.30	.369	11.5	10.1	37.0	21.8	3.08	-	15
16	.060	.000	.372	.227	.938	.237	12.4	7.41	29.7	19.2	2.83	-	16
17	.058	.000	.342	.203	.826	.208	7.02	6.97	30.1	17.4	2.89	-	17
18	.050	.000	.312	.194	1.33	.063	4.78	9.15	31.8	19.5	2.41	-	18
19	.041	.000	.282	.187	1.22	.085	2.72	14.2	25.4	19.9	2.14	-	19
20	.033	.000	.252	.343	.848	.122	2.00	8.92	21.2	17.8	1.90	-	20
21	.024	.000	.222	.468	.601	.146	1.84	12.5	33.1	22.2	1.68	-	21
22	.015	.000	.192	11.5	.471	.164	2.29	11.7	21.4	16.5	1.49	-	22
23	.007	.000	10.9	50.9	.452	.183	2.37	12.6	17.8	14.4	1.31	-	23
24	.000	.000	10.0	13.3	.415	.197	2.19	7.16	17.1	12.5	1.15	-	24
25	.000	.000	3.41	5.23	.400	.198	27.2	9.56	15.5	11.1	1.04	-	25
26	.000	.000	1.80	2.88	.369	.221	20.1	47.6	13.3	10.1	.961	-	26
27	.000	.000	1.29	5.61	1.04	.851	164.	32.5	27.3	9.32	.952	-	27
28	.000	.000	.913	2.28	1.19	.598	29.0	16.9	109.	8.64	.952	-	28
29	.000	.000	.640	1.52	1.03	.452	18.2	13.1	159.	7.81	.927	-	29
30	.000		.567	1.26	.964	.336	16.3	12.2	97.1	7.14	.862	-	30
31	.000		.504		.728		12.9	19.2		6.63		.170	31
MO	.038	.000	1.22	3.45	1.81	.378	11.7	16.2	44.8	28.2	2.75	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 24/01 A 08H15
 MAXIMUM INSTANTANE : 355. M3/S LE 27/07 A 04H45

MINIMUM JOURNALIER : .000 M3/S LE 25/01
 MAXIMUM JOURNALIER : 164. M3/S LE 27/07

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472707006 TITIRA LATIT. 10.00.00
 RIVIERE : KERAN LONGIT. 1.05.30
 PAYS : TOGO ALTIT. 178 M
 BASSIN : VOLTA AIRE 3695 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	1.50	.157	.888	2.17	11.1	41.0	36.7	5.24	.855	1
2	-	-	-	.919	.142	1.62	2.81	15.9	59.1	37.1	4.99	-	2
3	-	-	-	.651	.125	2.16	9.76	22.4	83.8	75.9	4.64	-	3
4	-	-	-	.495	2.31	1.52	37.1	14.1	84.4	82.2	4.21	-	4
5	-	-	-	.821	1.70	.942	64.9	15.8	126.	76.1	3.78	-	5
6	-	-	-	.679	1.02	.716	19.8	29.3	97.8	50.1	3.49	-	6
7	-	-	-	.418	.723	.602	25.0	46.2	94.7	41.9	3.37	-	7
8	-	-	-	.276	.555	.508	16.3	23.0	57.7	35.9	3.25	-	8
9	-	-	.000	.173	.490	.455	11.9	17.8	56.9	32.1	3.13	-	9
10	-	-	.000	.140	.442	.413	9.93	45.8	59.7	29.9	3.01	-	10
11	-	-	.000	.117	.329	.443	32.9	34.1	44.9	26.5	2.89	-	11
12	-	-	.000	.115	.263	.986	21.3	37.2	100.	24.8	2.77	-	12
13	-	-	.000	.149	.226	1.35	16.7	33.3	60.7	22.9	2.68	-	13
14	-	-	.000	.354	.218	.824	35.4	57.1	92.7	21.3	2.51	-	14
15	-	-	.000	9.35	.610	.637	33.7	83.6	84.0	19.5	2.31	-	15
16	-	-	.000	7.45	1.10	.669	20.8	43.4	84.8	17.6	2.11	-	16
17	-	-	.000	5.98	.830	.581	17.9	35.3	109.	16.1	1.92	-	17
18	-	-	.000	2.56	.726	.467	13.2	39.9	83.7	14.9	1.76	-	18
19	-	-	.000	1.47	.537	1.12	35.4	41.2	94.8	13.7	1.68	-	19
20	-	-	.000	1.00	.428	8.69	17.7	35.5	62.9	12.6	1.59	-	20
21	-	-	.000	.828	.355	13.2	12.4	33.1	52.5	11.5	1.50	-	21
22	-	-	.000	.584	.291	6.09	10.3	25.1	39.6	10.6	1.41	-	22
23	-	-	.000	.454	.406	3.25	10.8	21.3	34.1	9.66	1.32	-	23
24	-	-	.000	.359	.404	3.05	8.73	20.8	41.5	8.82	1.25	-	24
25	-	-	.000	.270	.398	1.98	7.81	39.2	46.0	8.11	1.19	-	25
26	-	-	.000	.249	.307	1.38	7.15	95.3	81.8	7.47	1.13	-	26
27	-	-	.000	.228	.250	1.02	7.42	84.9	47.5	6.93	1.07	-	27
28	-	-	.000	.202	.406	2.65	6.77	46.9	50.5	6.44	1.01	-	28
29	-	-	.000	.186	.348	2.66	21.8	45.9	49.0	6.00	.957	-	29
30	-	-	.240	.172	.287	2.60	12.8	50.3	55.7	5.67	.903	-	30
31	-	-	2.72	.233		9.14	72.0		5.49			-	31
MO	-	-	-	1.27	.536	2.12	18.0	39.3	69.2	25.0	2.43	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 09/03 A 00H00
 MAXIMUM INSTANTANE : 227. M3/S LE 04/09 A 23H00

MINIMUM JOURNALIER : .000 M3/S LE 09/03
 MAXIMUM JOURNALIER : 126. M3/S LE 05/09

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472707006 TITIRA LATIT. 10.00.00
 RIVIERE : KERAN LONGIT. 1.05.00
 PAYS : TOGO ALTIT. 178 M
 BASSIN : VOLTA AIRE 3695 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.038	.000	.000	.158	.363	.790	114.	238.	54.9	79.4	-	1
2	-	.038	.000	.000	.154	.284	.547	44.2	330.	43.5	53.6	-	2
3	-	.029	.000	.000	.119	.211	.545	20.4	151.	39.7	32.6	-	3
4	-	.015	.000	.000	.112	.229	.438	14.8	95.6	51.9	26.2	-	4
5	-	.004	.000	.000	5.84	.234	.382	14.2	167.	94.2	25.8	-	5
6	-	.001	.000	.000	2.34	.263	.625	18.7	131.	200.	23.1	-	6
7	-	.000	.000	.000	1.13	24.4	1.29	51.0	90.2	102.	19.9	-	7
8	-	.000	.000	.000	.737	8.37	1.40	76.1	118.	73.4	18.9	-	8
9	-	.000	.000	.000	.495	2.80	14.3	31.2	119.	58.3	20.7	-	9
10	-	.000	.000	.000	1.43	2.65	9.12	19.8	161.	54.6	17.4	-	10
11	-	.000	.000	.000	10.7	2.98	12.7	32.7	92.0	46.3	15.5	-	11
12	-	.000	.000	5.14	4.57	1.64	42.6	21.5	111.	41.2	14.1	-	12
13	-	.000	.000	4.62	2.29	.911	30.0	14.2	88.8	37.7	13.2	-	13
14	-	.000	.000	2.24	1.15	.557	11.9	27.5	121.	34.0	12.1	-	14
15	-	.000	.000	1.31	1.08	.967	6.80	35.0	208.	30.1	11.4	-	15
16	-	.000	.000	1.06	1.19	2.57	8.74	15.6	86.5	27.6	10.7	-	16
17	-	.000	.000	.716	3.49	1.67	35.1	22.2	68.7	25.4	10.3	-	17
18	-	.000	.000	.565	3.09	1.40	16.5	30.7	61.6	23.9	9.72	-	18
19	-	.000	.000	.344	2.02	.810	8.10	37.8	78.9	22.1	9.35	-	19
20	-	.000	.000	.272	1.29	.647	5.21	45.2	61.4	22.2	8.67	-	20
21	-	.000	.000	.235	.881	.574	3.85	25.7	110.	20.4	8.33	-	21
22	-	.000	.000	.186	1.34	7.36	4.63	22.0	94.4	18.6	7.97	-	22
23	-	.000	.000	.170	.939	4.03	5.81	116.	70.9	17.5	7.50	-	23
24	-	.000	.000	.634	.500	2.32	11.2	241.	71.7	16.2	7.06	-	24
25	-	.000	.000	.953	.300	1.91	9.12	145.	134.	16.0	6.50	-	25
26	-	.000	.000	.601	.250	7.62	4.33	167.	139.	17.0	6.10	-	26
27	.038	.000	.000	.477	.364	4.25	2.91	252.	91.1	15.9	5.95	-	27
28	.038	.000	.000	.292	.411	2.35	3.41	144.	68.1	21.0	5.70	-	28
29	.038	.000	.000	.215	.607	1.69	2.90	141.	60.1	26.5	5.41	-	29
30	.038	.000	.000	.134	.773	1.29	2.30	223.	61.9	30.6	5.12	-	30
31	.038	.000	.000	.447		24.6	125.		35.5			-	31
MO	-	.004	.000	.672	1.62	2.91	9.10	73.8	116.	42.6	16.6	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 08/02 A 07H00
 MAXIMUM INSTANTANE : 526. M3/S LE 02/09 A 14H00

MINIMUM JOURNALIER : .000 M3/S LE 09/02
 MAXIMUM JOURNALIER : 330. M3/S LE 02/09

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472707006 TITIRA
 RIVIERE : KERAN
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.00.00
 LONGIT. 1.05.30
 ALTIT. 178 M
 AIRE 3695 KM2

J	JANV	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	1.08	4.17	19.6	225.	83.6	-	-	1
2	-	-	-	-	-	1.00	4.44	15.0	147.	57.5	-	-	2
3	-	-	-	-	-	1.75	4.12	56.9	214.	54.6	-	1.94	3
4	-	-	-	-	-	2.84	4.86	35.0	124.	57.3	8.51	-	4
5	-	-	-	-	-	2.01	6.56	32.6	157.	44.8	-	-	5
6	-	-	-	-	-	3.09	3.42	85.8	144.	46.0	-	-	6
7	-	-	-	-	-	4.70	2.13	36.2	94.6	71.4	-	-	7
8	-	-	-	-	-	2.61	1.91	25.6	75.4	51.2	-	-	8
9	-	-	-	-	-	1.51	14.8	20.4	82.8	57.6	-	-	9
10	-	-	-	-	-	1.27	32.0	16.8	87.4	57.9	-	-	10
11	-	-	-	-	-	1.61	10.0	31.9	85.7	49.9	-	1.26	11
12	-	-	-	-	-	3.62	5.75	37.0	90.4	74.6	-	1.23	12
13	-	-	-	-	-	1.83	4.25	22.2	80.7	48.6	6.38	1.19	13
14	-	-	-	-	-	1.08	4.94	46.4	79.2	48.3	-	1.15	14
15	-	-	-	-	-	.789	4.25	100.	152.	35.1	-	1.09	15
16	-	-	-	-	.027	1.60	3.01	49.2	252.	46.4	-	1.02	16
17	-	-	-	-	.072	1.63	2.47	52.3	-	65.5	4.09	.954	17
18	-	-	-	-	.339	1.01	2.51	54.6	-	39.0	-	.914	18
19	-	-	-	-	.326	.829	5.20	33.9	-	30.3	-	.878	19
20	-	-	-	-	.222	1.09	4.56	27.2	-	25.6	-	.841	20
21	-	-	-	-	.188	2.39	116.	33.3	79.3	22.0	-	.805	21
22	-	-	-	-	.150	1.59	64.7	29.6	69.2	19.5	-	.772	22
23	-	-	-	-	.567	1.32	21.4	59.5	58.2	17.7	-	.754	23
24	-	-	-	-	.628	.894	14.3	104.	52.1	16.1	-	.739	24
25	-	-	-	-	1.32	.795	25.9	204.	45.5	25.5	2.98	.723	25
26	-	-	-	-	.724	1.02	14.7	129.	42.8	-	-	.708	26
27	-	-	-	-	.500	1.95	10.5	77.7	91.6	-	-	.692	27
28	-	-	-	-	.568	1.98	79.6	85.1	108.	-	-	.675	28
29	-	-	-	-	.433	3.40	28.1	106.	59.5	10.2	-	.658	29
30	-	-	-	-	.858	5.36	16.7	87.6	87.0	-	-	.641	30
31	-	-	-	-	1.08	-	36.2	147.	-	-	-	.624	31
MO	-	-	-	-	-	1.92	17.9	60.1	-	-	-	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .027 M3/S LE 16/05 A 00H00
 MAXIMUM INSTANTANE : 291. M3/S LE 01/05 A 08H56

MINIMUM JOURNALIER : .027 M3/S LE 16/05
 MAXIMUM JOURNALIER : 252. M3/S LE 16/09

GENERALITES

- superficie du bassin versant.....: 5.470 Km²
- coordonnées de la station: 10°09'N - 00°49'E
- cote du zero de l'échelle: 129.315m (IGN)
- amplitude de l'échelle: -0.50 à 12.00m
- accès: Pont métallique de l'ancien-ne route KANTE-MANGO
- date de création: 23.01.1962
- cadence des relevés: 1 relevé par jour.
Limnigrammes depuis le
01.02.1984. Balise Argos
depuis juin 1984

TARAGE

- nombre de jaugeages au 31.12.87: 116
- maximum jaugeé: H = 795-785 CM
Q = 557 M³/S
date : 31.08.1962
- nombre de tarages entre 1983 et 1987: 02
- dernier étalonnage utilisé :
valide du 12.09.1984 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-100	0.000	050	13.30
-037	0.000	070	19.90
-030	0.050	090	27.20
-025	0.160	110	35.40
-020	0.320	140	49.00
-010	0.800	180	69.90
-005	1.150	230	100.0
000	1.650	300	149.0
005	2.290	400	228.0
010	3.080	500	320.0
020	5.100	600	416.0
030	7.640	820	634.0

REMARQUES

- A partir de 1984, débits relatifs aux limnigrammes, complétés par des lectures d'échelle ou, en 1987, par des données recueillies à la station de réception Argos de l'OMS à Kara.

STATION : 1472707003 NABOULGOU

RIVIERE : KERAN

PAYS : TOGO

BASSIN : VOLTA

DEBITS EN M³/S

LATIT. 10.09.00

LONGIT. 0.49.00

ALTIT. 129M

AIRE 5470.00 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1962	-	-	-	-	2.85	22.7	68.5	-	311.	100.	29.9	7.62	-
1963	-	-	2.22	2.60	3.62	3.78	81.7	-	-	-	-	-	-
1964	-	3.71	4.39	6.48	7.85	8.27	33.6	117.	-	63.0	12.9	3.91	-
1965	2.75	-	-	-	6.48	14.5	37.7	150.	139.	-	5.02	1.19	-
1966	-	-	-	.161	1.72	23.1	32.8	107.	190.	130.	-	-	-
1967	-	-	.145	.339	-	-	-	229.	197.	95.8	16.4	7.11	-
1968	2.53	1.32	.941	18.3	13.7	44.6	193.	139.	268.	98.0	22.6	8.05	67.5
1969	3.86	1.56	-	3.64	2.06	2.83	-	-	-	-	-	8.61	-
1970	-	1.91	-	-	3.24	1.39	14.8	96.6	390.	87.6	10.3	3.61	-
1971	2.59	2.28	2.07	2.85	2.28	3.33	87.6	281.	264.	58.0	6.66	-	-
1972	.914	.364	.158	.273	13.0	7.32	44.2	89.9	173.	65.0	8.04	1.71	33.7
1973	1.14	.215	.027	.095	.384	2.92	15.8	134.	209.	78.5	9.60	2.37	37.8
1974	.926	.371	.153	.048	6.24	11.2	42.3	170.	317.	85.1	17.2	4.42	54.6
1975	2.47	1.47	.739	3.67	5.36	2.92	82.8	144.	240.	80.0	13.2	4.92	48.5
1976	2.88	1.26	.052	.056	4.64	21.0	51.5	117.	91.1	112.	33.8	5.38	36.7
1977	2.34	.741	.134	.885	1.25	4.37	21.0	31.6	-	-	2.14	.398	-
1978	.157	.001	-	1.39	5.77	14.7	123.	138.	192.	43.2	13.5	3.64	-
1979	1.61	.360	.093	.008	5.54	18.6	76.2	155.	-	-	-	4.02	-
1980	1.35	.094	.000	.000	5.00	9.30	5.52	110.	177.	-	12.7	3.11	-
1981	.880	.213	-	.644	2.78	5.89	21.2	133.	115.	16.1	-	.695	-
1982	.211	.014	.037	.020	7.14	4.53	14.1	34.4	134.	58.1	16.9	2.43	22.7
1983	.633	.182	.003	.000	1.22	7.52	47.8	47.6	61.7	8.39	1.64	.365	14.8
1984	.029	.341	2.02	-	-	.514	-	16.8	67.4	45.1	3.14	.424	-
1985	.033	.530	1.65	1.75	.753	2.69	16.6	56.3	100.	37.2	2.69	-	-
1986	.045	.501	1.65	-	2.39	3.96	8.91	91.1	195.	56.5	23.7	-	-
1987	-	-	-	-	-	2.89	-	-	177.	-	-	-	-
MOY.	1.44	.872	.916	2.16	4.58	9.79	50.9	118.	191.	69.4	13.1	3.70	39.5

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472707003 NABOULGOU LATIT. 10.09.00
 RIVIERE : KERAN LONGIT. 0.49.00
 PAYS : TOGO ALTIT. 129M
 BASSIN : VOLTA AIRE 5470.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	1.02	.349	.032	.000	.000	3.14	1.90	266.	24.9	9.84	2.60	.686	1
2	.978	.314	.021	.000	.000	4.38	1.71	130.	24.7	6.34	3.09	.637	2
3	.902	.312	.016	.000	.000	5.00	2.52	66.4	22.6	5.80	2.93	.633	3
4	.868	.310	.011	.000	.000	5.35	3.84	57.1	17.2	5.52	2.77	.630	4
5	.868	.275	.005	.000	.000	5.69	19.8	50.6	13.5	9.19	2.61	.581	5
6	.834	.257	.005	.000	.000	5.91	72.4	40.1	13.2	12.4	2.46	.574	6
7	.800	.241	.002	.000	.000	4.82	54.1	41.0	19.4	10.5	2.37	.533	7
8	.797	.241	.000	.000	.000	3.11	62.7	61.7	19.6	13.8	2.21	.530	8
9	.748	.241	.000	.000	.000	4.40	38.7	69.2	32.3	15.3	2.11	.507	9
10	.744	.239	.000	.000	.000	9.51	23.3	85.0	24.7	17.9	1.96	.481	10
11	.717	.211	.000	.000	.000	9.43	19.6	57.7	21.5	18.0	1.80	.440	11
12	.686	.209	.000	.000	.000	3.75	32.2	63.3	27.8	13.3	1.61	.414	12
13	.637	.209	.000	.000	.000	4.06	66.6	60.4	28.7	10.8	1.55	.390	13
14	.633	.193	.000	.000	.000	3.27	34.3	43.0	55.6	9.57	1.79	.390	14
15	.633	.177	.000	.000	.000	2.33	72.0	34.9	79.6	9.01	1.47	.371	15
16	.633	.177	.000	.000	.000	2.07	46.9	29.3	106.	9.62	1.32	.351	16
17	.605	.175	.000	.000	.004	4.67	72.0	25.8	124.	8.87	1.21	.349	17
18	.577	.153	.000	.000	.317	32.9	63.0	23.4	85.0	7.79	1.16	.314	18
19	.574	.138	.000	.000	.674	26.2	36.1	20.9	64.4	7.38	1.11	.310	19
20	.533	.125	.000	.000	2.47	28.9	24.7	19.0	48.0	7.05	1.07	.275	20
21	.530	.124	.000	.000	3.69	18.0	19.1	20.6	70.0	6.77	1.02	.273	21
22	.527	.104	.000	.000	2.59	8.93	12.0	23.0	137.	6.42	.978	.255	22
23	.484	.092	.000	.000	2.76	6.46	10.8	21.0	205.	6.06	.936	.211	23
24	.440	.072	.000	.000	3.10	4.50	20.3	16.0	131.	5.71	.932	.193	24
25	.437	.055	.000	.000	2.40	3.83	22.1	14.9	103.	5.35	.872	.177	25
26	.437	.046	.000	.000	5.20	3.51	18.0	19.1	79.8	5.08	.864	.175	26
27	.434	.033	.000	.000	4.97	3.33	46.5	25.6	83.4	4.72	.801	.153	27
28	.393	.033	.000	.000	3.33	3.01	61.4	24.7	74.1	4.07	1.99	.138	28
29	.390		.000	.000	3.31	2.69	69.6	24.3	62.7	3.34	.918	.125	29
30	.390		.000	.000	1.58	2.43	114.	19.5	52.0	2.61	.692	.114	30
31	.371		.000		1.44		340.	23.5		2.06		.103	31
MO	.633	.182	.003	.000	1.22	7.52	47.8	47.6	61.7	8.39	1.64	.365	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 7 MARS A 18H00

MAXIMUM INSTANTANE : 374. M3/S LE 31 JUIL A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 8 MARS

MAXIMUM JOURNALIER : 340. M3/S LE 31 JUIL

DEBIT MOYEN ANNUEL : 14.9 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472707003 NABOULGOU LATIT. 10.09.00
 RIVIERE : KERAN LONGIT. 0.49.00
 PAYS : TOGO ALTIT. 129 M
 BASSIN : VOLTA AIRE 5470 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.092	.000	1.80	.551	1.83	.872	.326	8.22	109.	146.	6.30	.874	1
2	.081	.000	1.80	.463	1.48	.902	.391	8.76	102.	92.5	5.72	.835	2
3	.081	.000	1.80	.455	1.26	.941	.437	10.2	35.3	68.7	5.16	.776	3
4	.079	.000	1.80	.376	1.02	.935	.484	8.11	32.1	96.7	4.69	.728	4
5	.064	.000	1.80	.308	.843	.776	.530	7.11	79.4	75.2	4.28	.704	5
6	.062	.000	1.80	.197	1.03	.713	.578	8.15	71.4	70.1	3.93	.680	6
7	.048	.000	1.80	.164	2.49	.606	.636	10.6	72.8	59.0	3.64	.650	7
8	.047	.000	1.80	.152	2.04	.510	.770	16.3	89.3	49.3	3.48	.590	8
9	.040	.000	1.80	.162	-	.461	2.01	8.02	47.3	39.6	3.81	.581	9
10	.033	.000	1.80	.151	-	.414	2.74	7.11	51.8	38.7	3.59	.515	10
11	.033	.000	1.80	.151	7.74	.409	2.61	14.4	48.8	49.2	3.37	.512	11
12	.033	.000	1.80	.151	7.54	.670	2.45	14.7	60.7	136.	3.99	.488	12
13	.027	.000	1.80	.180	6.52	.686	2.29	13.9	132.	93.3	4.71	.440	13
14	.021	.000	1.80	.209	3.72	.637	2.11	62.5	84.3	53.3	4.49	.416	14
15	.021	.000	1.80	.195	2.67	.630	3.86	23.1	65.0	40.5	4.19	.413	15
16	.021	.000	1.80	.209	2.94	.581	7.97	9.38	50.8	33.5	3.70	.371	16
17	.021	.000	1.80	.246	1.46	.554	14.7	6.92	37.5	27.7	3.20	.365	17
18	.021	.000	1.80	.342	1.13	.507	6.66	7.21	41.0	23.9	2.91	.323	18
19	.020	.000	1.80	.314	.903	.461	5.47	15.3	41.4	25.0	2.69	.304	19
20	.012	.000	1.80	.293	.812	.414	3.85	24.7	29.3	26.3	2.45	.286	20
21	.012	.000	1.80	.273	1.22	.368	2.88	25.1	24.8	25.2	2.24	.258	21
22	.012	.000	1.80	.264	1.07	.312	2.53	14.4	34.0	26.2	2.02	.256	22
23	.008	.000	1.80	3.73	.900	.275	2.22	17.6	22.8	19.0	1.61	.254	23
24	.004	.900	2.18	40.7	.721	.257	-	9.79	18.3	15.6	1.40	.226	24
25	.000	1.80	7.33	-	.606	.225	-	10.9	22.2	13.3	1.21	.222	25
26	.000	1.80	5.27	-	.523	.225	-	25.6	18.4	11.6	1.24	.194	26
27	.000	1.80	2.47	11.3	.600	.222	-	61.3	14.8	10.4	1.15	.192	27
28	.002	1.80	1.52	7.40	.607	.340	-	32.6	104.	9.38	1.08	.192	28
29	.005	1.80	1.00	5.78	1.18	.306	-	18.0	278.	8.39	1.01	.176	29
30	.000		.814	4.37	1.14	.205	11.2	10.5	204.	7.58	.940	.160	30
31	.000		.609		.979		9.79	11.8		6.94		.160	31
MO	.029	.341	2.02	-	-	.514	-	16.8	67.4	45.1	3.14	.424	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 25/01 A 06H00

MAXIMUM INSTANTANE : 324. M3/S LE 29/09 A 18H01

MINIMUM JOURNALIER : .000 M3/S LE 26/01

MAXIMUM JOURNALIER : 278. M3/S LE 29/09

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472707003 NABOULGOU
 RIVIERE : KERAN
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.09.00
 LONGIT. 0.49.00
 ALTIT. 129 M
 AIRE 5470 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.138	.000	1.65	1.65	.130	1.07	1.82	16.4	63.1	66.7	5.74	-	1
2	.127	.000	1.65	1.65	.108	5.01	3.83	28.2	64.6	54.2	5.31	-	2
3	.115	.000	1.65	1.65	.087	2.53	4.79	38.1	101.	80.5	5.00	-	3
4	.095	.000	1.65	1.65	.069	1.39	7.10	38.9	110.	134.	4.80	-	4
5	.092	.000	1.65	1.65	.058	1.25	62.2	31.9	163.	135.	4.39	-	5
6	.073	.000	1.65	1.65	.050	1.35	30.1	36.0	129.	92.5	3.99	-	6
7	.061	.000	1.65	1.65	.068	1.00	17.5	68.5	178.	70.2	3.60	-	7
8	.050	.000	1.65	1.65	.838	.769	19.8	46.5	110.	58.7	3.47	-	8
9	.046	.000	1.65	.000	.983	9.03	13.1	31.2	73.6	50.0	3.28	-	9
10	.039	.000	1.65	.000	.733	13.4	10.8	34.1	94.6	44.7	3.09	-	10
11	.035	.000	1.65	.196	.533	3.78	10.7	51.1	72.9	41.4	3.07	-	11
12	.032	.000	1.65	.200	.391	1.54	30.3	56.1	75.3	37.5	2.93	-	12
13	.028	.000	1.65	.133	.268	.986	18.8	57.7	118.	35.2	2.84	-	13
14	.028	.000	1.65	.116	.175	.798	13.2	67.2	85.9	30.6	2.69	-	14
15	.021	.000	1.65	1.26	.143	.660	37.1	121.	107.	26.2	2.61	-	15
16	.017	.000	1.65	7.89	.125	.676	28.9	137.	109.	23.4	2.53	-	16
17	.014	.000	1.65	10.1	.108	.656	18.2	68.4	114.	20.8	2.45	-	17
18	.010	.000	1.65	6.98	.201	.541	17.2	52.6	139.	18.4	2.36	-	18
19	.007	.103	1.65	3.88	.143	.474	12.4	55.5	153.	16.7	2.10	-	19
20	.003	1.55	1.65	2.23	.608	1.20	35.9	58.7	113.	15.1	1.84	-	20
21	.000	1.65	1.65	1.55	.863	2.78	18.6	52.2	85.2	13.8	1.61	-	21
22	.000	1.65	1.65	1.15	.944	9.43	11.4	41.3	64.3	12.5	1.50	-	22
23	.000	1.65	1.65	.913	.614	6.26	8.33	31.6	52.8	11.5	1.40	-	23
24	.000	1.65	1.65	.725	6.71	3.41	8.65	28.7	47.1	10.6	1.30	-	24
25	.000	1.65	1.65	.597	3.06	2.30	7.87	34.3	54.1	9.66	1.25	-	25
26	.000	1.65	1.65	.476	1.31	1.98	6.37	73.2	124.	8.95	1.20	-	26
27	.000	1.65	1.65	.366	.755	1.53	5.95	127.	133.	8.27	1.15	-	27
28	.000	1.65	1.65	.271	.537	1.59	5.46	76.4	86.2	7.63	1.08	-	28
29	.000	1.65	1.65	.207	.667	1.66	9.21	57.4	88.7	7.11	1.01	-	29
30	.000	1.65	1.65	.155	.847	1.58	25.3	54.6	82.6	6.62	.975	-	30
31	.000	1.65	1.65	1.21	14.4	73.3	6.16	-	-	-	-	-	31
MO	.033	.530	1.65	1.75	.753	2.69	16.6	56.3	100.	37.2	2.69	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 09/04 A 08H00
 MAXIMUM INSTANTANE : 226. M3/S LE 05/09 A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 09/04
 MAXIMUM JOURNALIER : 178. M3/S LE 07/09

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472707003 NABOULGOU
 RIVIERE : KERAN
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.09.00
 LONGIT. 0.49.00
 ALTIT. 129 M
 AIRE 5470 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.159	.003	1.65	1.65	.246	.516	2.91	69.7	290.	76.2	62.3	7.39	1
2	.139	.000	1.65	1.65	.175	.588	5.34	98.7	464.	68.5	132.	-	2
3	.127	.000	1.65	1.65	.094	.638	2.42	35.0	512.	60.6	64.3	-	3
4	.115	.000	1.65	1.65	.036	.647	4.01	21.0	260.	52.4	41.5	-	4
5	.095	.000	1.65	1.65	.011	.754	2.72	15.5	328.	94.4	35.0	-	5
6	.083	.000	1.65	1.65	.127	.595	7.92	18.7	271.	213.	32.1	-	6
7	.070	.000	1.65	1.65	.123	.643	3.37	25.7	180.	218.	27.6	-	7
8	.050	.000	1.65	1.65	1.72	16.2	2.07	82.6	193.	113.	25.1	-	8
9	.043	.000	1.65	1.65	1.06	8.98	5.33	59.1	220.	93.9	23.0	-	9
10	.042	.000	1.65	1.65	5.12	4.91	26.3	29.3	277.	78.0	25.0	-	10
11	.042	.000	1.65	1.65	2.90	3.07	11.2	22.1	184.	67.0	21.8	-	11
12	.039	.000	1.65	2.43	4.22	1.98	9.56	33.7	166.	58.2	19.6	-	12
13	.035	.000	1.65	3.52	5.42	2.17	32.5	19.6	169.	50.8	17.4	-	13
14	.035	.000	1.65	3.17	2.66	1.78	25.7	16.7	153.	45.1	16.5	-	14
15	.035	.000	1.65	2.62	2.55	1.08	11.5	43.0	327.	40.5	15.5	-	15
16	.029	.000	1.65	2.16	6.05	.941	6.04	34.3	205.	36.9	14.5	-	16
17	.028	.000	1.65	1.84	2.33	.703	8.31	19.8	119.	33.8	13.2	-	17
18	.028	.000	1.65	1.08	1.45	.877	29.9	33.2	98.7	31.1	12.5	-	18
19	.028	.000	1.65	.539	2.01	1.36	15.9	40.9	111.	28.9	11.9	-	19
20	.028	.825	1.65	.521	2.41	1.14	9.92	71.7	104.	27.3	11.3	-	20
21	.025	1.65	1.65	.440	1.75	6.16	5.06	48.5	110.	26.2	10.8	-	21
22	.021	1.65	1.65	.345	1.47	20.1	3.48	27.4	182.	24.8	10.4	-	22
23	.021	1.65	1.65	.272	1.83	3.37	3.18	48.9	114.	23.1	10.0	-	23
24	.021	1.65	1.65	.210	11.0	4.63	5.12	251.	103.	21.7	9.64	-	24
25	.014	1.65	1.65	.190	3.13	3.59	11.1	246.	111.	20.3	9.11	-	25
26	.014	1.65	1.65	.162	1.39	13.9	9.21	174.	209.	19.0	8.70	-	26
27	.014	1.65	1.65	.149	.887	6.90	5.39	280.	139.	20.0	8.25	-	27
28	.010	1.65	1.65	.126	4.76	4.88	3.59	281.	98.4	19.3	7.93	-	28
29	.007	1.65	1.65	.084	4.59	3.27	2.49	168.	86.5	24.7	7.65	-	29
30	.006	1.65	1.65	-	1.77	2.26	2.42	220.	76.7	30.2	7.40	-	30
31	.000	1.65	1.65	.944	2.15	290.	32.6	-	-	-	-	-	31
MO	.045	.501	1.65	-	2.39	3.96	8.91	91.1	195.	56.5	23.7	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 31/01 A 06H00
 MAXIMUM INSTANTANE : 533. M3/S LE 03/09 A 09H06

MINIMUM JOURNALIER : .000 M3/S LE 02/02
 MAXIMUM JOURNALIER : 512. M3/S LE 03/09

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472707003 NABOULGOU

LATIT. 10.09.00

RIVIERE : KERAN

LONGIT. 0.49.00

PAYS : TOGO

ALTIT. 129 M

BASSIN : VOLTA

AIRE 5470 KM2

DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	.000	5.82	-	324.	107.	-	-	1
2	-	-	-	-	-	.000	6.12	31.7	328.	95.8	-	4.09	2
3	-	-	-	-	-	.000	4.80	31.0	232.	76.0	-	-	3
4	-	-	-	-	-	.000	10.7	69.6	307.	84.0	-	-	4
5	-	-	-	-	-	.038	8.01	47.8	327.	72.1	-	-	5
6	-	-	-	-	-	13.0	4.87	84.7	262.	56.6	-	-	6
7	-	-	-	-	-	7.65	6.30	77.6	160.	61.4	-	-	7
8	-	-	-	-	-	3.46	3.87	38.6	113.	85.5	-	-	8
9	-	-	-	-	-	4.43	4.05	28.3	122.	61.9	-	-	9
10	-	-	-	-	-	3.85	8.64	24.0	194.	72.1	8.53	-	10
11	-	-	-	-	-	3.17	25.6	32.8	180.	82.0	-	-	11
12	-	-	-	-	-	1.77	18.2	54.2	126.	80.7	-	-	12
13	-	-	-	-	-	1.19	6.64	40.1	146.	106.	-	-	13
14	-	-	-	-	-	1.11	4.83	59.0	111.	74.0	6.66	-	14
15	-	-	-	-	-	2.39	3.91	98.7	206.	76.0	6.19	-	15
16	-	-	-	-	-	1.81	3.95	109.	289.	60.3	5.73	-	16
17	-	-	-	-	-	1.10	3.08	54.9	295.	65.2	5.44	-	17
18	-	-	-	-	-	1.59	3.04	66.2	165.	113.	5.10	-	18
19	-	-	-	-	-	2.78	4.20	62.1	128.	76.3	4.74	-	19
20	-	-	-	-	-	2.16	4.44	40.8	132.	58.9	4.50	-	20
21	-	-	-	-	-	1.84	35.3	44.0	132.	48.8	4.33	-	21
22	-	-	-	-	-	5.94	177.	42.6	106.	42.5	4.29	-	22
23	-	-	-	-	-	2.39	50.2	43.1	85.5	39.1	4.29	-	23
24	-	-	-	-	-	2.51	25.2	189.	72.9	-	4.29	-	24
25	-	-	-	-	-	1.95	34.9	214.	61.6	-	-	-	25
26	-	-	-	-	.000	3.80	27.0	270.	53.7	-	-	-	26
27	-	-	-	-	.000	4.15	18.7	138.	89.4	-	-	-	27
28	-	-	-	-	.000	5.45	71.0	111.	249.	-	4.18	-	28
29	-	-	-	-	.000	3.07	92.7	169.	174.	-	4.13	-	29
30	-	-	-	-	.000	4.06	46.8	154.	147.	-	-	-	30
31	-	-	-	.000	-	-	-	157.	-	-	-	-	31
MO	-	-	-	-	-	2.89	-	-	177.	-	-	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 les autres données proviennent de la station Argos OMS de Kara
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 26/05 A 00H00
 MAXIMUM INSTANTANE : 380. M3/S LE 02/09 A 02H38

MINIMUM JOURNALIER : .000 M3/S LE 26/05
 MAXIMUM JOURNALIER : 328. M3/S LE 02/09

GENERALITES

- superficie du bassin versant.....: 6.730 Km²
- coordonnées de la station: 10°12'N - 00°27'E
- cote du zero de l'échelle: 111.49m (IGN)
- amplitude de l'échelle: 0.00 à 8.00m
- accès: Gué de la route MANGO-PAIOKOU-KOUMANGOU
- date de création: 29.04.1959
- cadence des relevés: 1 relevé par jour.
Limnigraphe installé le 09.03.84

TARAGE

- nombre de jaugeages au 31.12.87: 183
- maximum jauge: H = 611 CM
Q = 367 M³/S
date : 05.09.1986
- nombre de tarages entre 1983 et 1987: 03
- dernier étalonnage utilisé :
valide du 06.10.1985 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-020	0.000	100	10.20
004	0.000	120	14.80
005	0.004	140	20.40
010	0.060	170	30.50
015	0.170	220	50.20
017	0.235	280	78.00
020	0.377	340	112.0
025	0.730	400	153.0
035	1.520	450	201.0
050	2.800	500	239.0
060	3.860	550	304.0
070	5.100	650	419.0
080	6.540	700	492.0

REMARQUE

- débits relatifs aux limnigrammes, complétés par des lectures d'échelle.

STATION : 1472704803 KOU MANGOU
RIVIERE : KOU MANGOU
PAYS : TOGO
BASSIN : VOLTA
DEBITS EN M3/S

LATIT. 10.12.00
LONGIT. 0.27.00
ALTIT. 111M
AIRE 6730.00 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1959	+	+	+	+	+	2.49	53.2	-	271.	-	-	2.53	-
1960	.709	.222	-	.109	-	-	38.9	109.	402.	199.	21.4	-	-
1961	-	-	.393	2.02	4.34	15.3	49.0	53.9	173.	43.9	5.64	1.62	-
1962	.887	.502	.331	3.76	3.65	36.8	93.1	234.	440.	148.	48.3	-	-
1963	-	-	-	-	-	-	328.	378.	-	-	-	-	-
1964	-	-	-	2.32	5.09	5.45	30.3	-	421.	350.	-	-	-
1965	-	-	-	5.72	14.3	-	-	159.	-	10.3	2.62	-	-
1966	1.31	.490	.157	.947	2.12	22.3	31.1	109.	246.	164.	29.1	4.87	51.0
1967	1.93	.938	.329	1.13	3.38	-	50.5	221.	218.	123.	20.7	7.86	-
1968	3.10	1.30	.507	15.2	-	-	243.	-	331.	-	-	-	-
1969	-	-	.688	-	-	2.11	54.3	151.	408.	-	-	-	-
1970	-	1.72	-	.223	2.94	1.26	18.6	124.	-	-	-	-	-
1971	-	5.43	4.53	4.48	2.59	4.14	-	-	-	-	6.41	-	-
1972	-	.752	.276	-	11.9	14.8	-	-	-	-	-	-	-
1973	-	-	.331	-	-	-	17.5	-	-	79.1	9.23	-	-
1974	-	.378	.047	-	4.69	-	34.2	178.	348.	125.	22.5	-	-
1975	2.33	1.02	.212	2.42	6.68	2.21	-	-	-	-	14.2	4.42	-
1976	-	.906	.195	-	2.93	19.2	47.0	94.2	95.7	129.	-	-	-
1977	2.27	.732	.141	-	-	-	13.4	29.4	86.0	-	-	.867	-
1978	.465	-	-	-	-	-	141.	165.	208.	-	-	3.99	-
1979	-	.338	.113	.063	4.83	-	-	185.	321.	-	23.3	-	-
1980	-	-	-	-	4.20	-	-	-	197.	-	-	3.14	-
1981	-	.327	.128	-	-	7.66	25.5	188.	-	30.4	4.80	-	-
1982	.265	-	.035	-	-	-	16.6	32.4	-	-	-	-	-
1983	-	-	.038	.027	-	-	-	62.1	96.1	-	2.24	.678	-
1984	.190	.057	.217	3.58	-	-	-	20.0	77.4	58.7	-	-	-
1985	.119	.036	.016	-	-	3.33	17.8	78.5	113.	51.7	-	-	-
1986	-	.157	-	-	-	6.02	10.9	85.8	216.	61.2	25.2	-	-
1987	-	.525	-	.093	.121	3.39	29.7	106.	-	82.4	10.4	3.25	-
MOY.	1.23	.879	.457	2.60	4.35	10.1	50.8	128.	248.	118.	17.9	3.52	51.0

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472704803 KOUMANGOU
 RIVIERE : KOUMANGOU
 PAYS : TOGO
 BASSIN : VOLTA

LATIT. 10.12.00
 LONGIT. 0.27.00
 ALTIT. 111M
 AIRE 6730.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	.048	.125	.004	3.25	2.64	247.	37.2	80.1	4.05	1.11	1
2	-	-	.048	.083	.003	3.25	2.46	213.	37.3	80.1	3.82	1.08	2
3	-	-	.048	.059	.003	6.62	2.21	117.	30.5	72.6	3.62	1.02	3
4	-	-	.048	.092	.003	10.3	-	85.3	27.0	64.8	3.47	1.02	4
5	-	.328	.048	.067	.004	11.9	-	73.4	22.8	61.8	3.27	1.00	5
6	-	.306	.048	.049	.003	10.8	45.4	60.5	23.2	60.0	3.13	.916	6
7	-	.252	.048	.041	.003	9.27	73.9	60.1	23.3	49.6	2.97	.859	7
8	-	.250	.048	.023	.003	-	51.9	77.4	26.6	40.1	2.85	.857	8
9	-	.250	.048	.023	.003	4.62	46.3	74.2	28.8	33.5	2.69	.835	9
10	-	.236	.048	.020	.003	4.14	40.0	74.9	37.5	28.6	2.60	.780	10
11	-	.202	.048	.014	.003	6.17	35.5	79.4	33.2	24.9	2.50	.778	11
12	-	.200	.048	.014	.004	8.17	42.7	63.3	42.9	21.7	2.41	.756	12
13	-	.200	.048	.014	.003	5.79	75.9	66.7	53.0	19.1	2.32	.701	13
14	-	.186	.048	.014	.006	4.71	92.4	61.2	86.7	-	2.22	.676	14
15	-	.152	.048	.014	.037	4.05	90.8	48.3	135.	14.8	2.13	.621	15
16	-	.150	.048	.014	.097	3.64	79.3	39.3	170.	13.6	2.06	.619	16
17	-	.150	.048	.011	.092	3.24	51.4	32.9	179.	12.5	2.01	.619	17
18	-	.136	.041	.007	.067	10.0	49.8	28.3	164.	-	1.85	.619	18
19	-	.102	.023	.013	.042	25.0	62.8	24.9	136.	-	1.76	.619	19
20	-	.100	.023	.014	.023	20.5	42.1	22.2	112.	9.24	1.68	.597	20
21	-	.100	.023	.011	.020	20.2	30.6	20.8	95.1	8.59	1.59	.542	21
22	-	.100	.023	.005	1.06	18.8	23.8	21.4	110.	7.93	1.53	.540	22
23	-	.092	.023	.005	3.62	10.8	20.2	22.9	167.	7.14	1.50	.521	23
24	-	.075	.023	.005	3.59	8.68	24.0	21.2	198.	6.73	1.44	.458	24
25	-	.074	.023	.005	3.38	-	31.3	19.2	178.	6.38	1.42	.411	25
26	-	.074	.023	.005	3.50	5.01	29.0	28.4	204.	5.75	1.34	.409	26
27	-	.067	.023	.005	4.24	3.90	34.4	50.4	186.	5.45	1.27	.409	27
28	-	.049	.023	.005	7.30	3.35	63.2	50.0	139.	5.21	1.27	.409	28
29	-	-	.023	.005	-	2.85	96.6	50.2	111.	4.95	1.25	.409	29
30	-	-	.023	.005	3.95	2.60	116.	50.3	88.9	4.60	1.17	.409	30
31	-	-	.058	-	3.80	-	140.	40.2	-	4.29	-	.409	31
MO	-	-	.038	.027	-	-	-	62.1	96.1	-	2.24	.678	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .003 M3/S LE 2 MAI A 06H00
 MAXIMUM INSTANTANE : 254. M3/S LE 1 AOUT A 06H00

MINIMUM JOURNALIER : .003 M3/S LE 3 MAI
 MAXIMUM JOURNALIER : 247. M3/S LE 1 AOUT

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472704803 KOUMANGOU
 RIVIERE : KOUMANGOU
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.12.00
 LONGIT. 0.27.00
 ALTIT. 111 M
 AIRE 6730 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.343	.112	.028	1.00	7.49	1.53	.859	12.0	34.7	207.	8.59	1.34	1
2	.343	.081	.028	.666	4.94	-	1.05	11.5	142.	130.	7.98	1.25	2
3	.343	.080	.028	.526	3.81	2.04	1.41	11.7	92.7	90.6	7.31	1.14	3
4	.325	.080	.028	.458	2.78	2.22	1.08	12.2	48.3	108.	6.79	1.03	4
5	.280	.080	.028	.411	2.57	2.24	.746	9.88	59.4	86.4	6.28	1.00	5
6	.278	.080	.028	.390	2.93	1.61	.646	8.58	89.5	79.6	5.74	.916	6
7	.278	.080	.028	.327	2.62	1.13	.740	9.83	84.9	81.0	5.45	.859	7
8	.259	.074	.043	.280	2.62	1.08	.852	11.6	88.4	69.0	5.23	.835	8
9	.214	.059	.072	.278	2.65	.977	-	13.7	86.6	58.8	-	.780	9
10	.212	.059	.059	.259	2.62	1.18	.714	9.41	61.3	48.7	4.67	.756	10
11	.212	.059	.059	.202	3.01	1.86	.623	8.45	70.1	49.2	4.26	.701	11
12	.212	.059	.059	.157	8.82	1.59	1.70	17.6	56.8	73.2	3.94	.676	12
13	.200	.059	.053	.125	9.18	1.19	2.04	14.9	113.	146.	3.70	.621	13
14	.169	.059	.036	.124	7.22	.857	3.04	28.3	146.	101.	3.47	.597	14
15	.168	.059	.043	.124	4.86	.629	2.46	52.6	110.	65.2	3.31	.542	15
16	.168	.059	.103	.263	3.98	.757	1.99	23.3	85.9	52.5	-	.521	16
17	.156	.059	.135	.526	4.26	1.09	8.91	12.7	65.7	43.8	3.55	.476	17
18	.125	.059	.062	.370	3.05	-	11.2	9.31	59.4	37.2	3.62	.474	18
19	.124	.053	.053	.407	-	1.19	6.23	10.0	63.4	32.3	3.28	.474	19
20	.124	.038	.038	.390	1.44	1.07	5.18	19.1	55.5	33.2	3.11	.456	20
21	.124	.038	.035	.345	1.20	.768	3.84	29.1	42.7	33.5	2.86	.411	21
22	.124	.038	.028	.325	1.10	.656	2.77	25.9	42.0	31.9	2.64	.409	22
23	.124	.038	.028	.280	1.50	.508	2.14	20.9	46.0	31.7	2.44	.409	23
24	.124	.038	.028	10.4	2.58	.413	1.90	16.8	33.7	25.4	-	.409	24
25	.124	.038	.025	28.6	1.51	.390	1.79	18.0	27.4	21.1	2.01	-	25
26	.124	.038	.019	12.6	1.16	.345	6.68	18.4	30.1	18.1	1.85	.343	26
27	.124	.038	.129	8.76	.870	.581	26.2	41.7	25.5	15.7	1.74	.343	27
28	.124	.035	.808	16.5	.973	1.12	120.	63.5	30.9	13.9	1.59	.325	28
29	.124	.028	1.75	14.0	1.23	1.00	46.0	37.3	180.	12.2	1.51	.280	29
30	.124	-	1.55	8.21	1.31	.916	21.0	24.1	252.	11.1	1.42	.278	30
31	.124	-	1.38	-	1.57	-	13.6	18.7	-	10.0	-	.278	31
MO	.190	.057	.217	3.58	-	-	-	20.0	77.4	58.7	-	-	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .019 M3/S LE 26/03 A 06H00
 MAXIMUM INSTANTANE : 250. M3/S LE 30/09 A 13H12

MINIMUM JOURNALIER : .019 M3/S LE 26/03
 MAXIMUM JOURNALIER : 252. M3/S LE 30/09

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472704803 KOUMANGOU
 RIVIERE : KOUMANGOU
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.12.00
 LONGIT. 0.27.00
 ALTIT. 111 M
 AIRE 6730 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.212	.059	.019	.009	-	.627	2.14	26.5	83.4	105.	7.92	2.26	1
2	.212	.059	.019	.009	.150	.963	2.31	32.8	70.8	88.2	7.37	2.18	2
3	.212	.059	.019	.009	.113	2.49	2.43	53.6	87.4	90.2	6.82	2.10	3
4	.212	.059	.019	.009	.081	4.92	4.97	53.2	116.	131.	6.33	2.01	4
5	.212	.053	.019	.014	.074	3.37	7.38	59.8	123.	165.	5.90	1.93	5
6	.200	.038	.019	.025	.065	2.47	58.0	53.9	171.	152.	5.68	1.84	6
7	.169	.038	.019	.016	.073	1.68	36.4	70.5	165.	115.	4.76	1.78	7
8	.168	.038	.019	.007	.053	1.59	18.9	89.1	177.	89.0	4.42	1.75	8
9	.168	.038	.019	.000	.038	1.96	20.0	62.3	121.	73.5	4.17	1.69	9
10	.168	.038	.019	.000	.035	5.53	14.5	63.5	100.	64.0	3.92	1.67	10
11	.156	.038	.019	.000	.028	18.5	11.9	68.6	110.	57.9	3.73	1.59	11
12	.125	.038	.019	.000	.080	8.94	13.3	78.5	86.9	54.1	3.59	1.52	12
13	.124	.035	.019	.005	.206	4.91	28.2	85.2	103.	50.7	3.38	1.50	13
14	.124	.028	.019	.021	.200	3.12	22.9	85.1	111.	44.7	3.20	1.44	14
15	.124	.028	.019	.028	.157	2.63	18.9	103.	105.	39.8	3.12	1.42	15
16	.112	.028	.019	.025	.113	1.28	39.9	175.	111.	35.7	-	1.36	16
17	.081	.028	.019	.019	.081	.790	28.8	160.	109.	31.4	3.01	1.34	17
18	.080	.028	.019	.019	.080	.570	19.8	102.	134.	27.7	-	1.26	18
19	.080	.028	.019	-	.080	.580	20.5	87.6	152.	24.7	-	1.18	19
20	.080	.028	.019	4.24	.074	.827	23.0	88.3	165.	21.9	-	1.13	20
21	.074	.028	.019	3.20	.059	1.09	36.4	89.1	123.	19.9	-	1.11	21
22	.059	.028	.016	2.32	.059	2.22	20.2	78.3	98.5	18.0	-	1.05	22
23	.059	.028	.009	1.58	.139	5.65	13.1	62.1	77.7	16.5	-	1.05	23
24	.059	.028	.009	1.13	.371	6.80	9.68	50.6	63.6	14.9	-	1.05	24
25	.059	.028	.009	.855	.470	4.77	9.54	45.3	60.0	13.4	-	-	25
26	.059	.028	.009	.588	-	3.39	8.82	55.5	70.9	12.1	-	.967	26
27	.059	.025	.009	.460	2.45	2.80	7.19	105.	142.	10.9	-	.945	27
28	.059	.019	.009	.392	1.62	2.33	6.29	132.	136.	10.3	-	.868	28
29	.059		.009	.327	1.04	1.79	7.88	82.8	107.	9.62	-	.811	29
30	.059		.009	.255	.703	1.46	11.3	70.7	110.	9.03	2.29	.809	30
31	.059		.009	.502		28.3	65.0		8.47			.809	31
MO	.119	.036	.016	-	-	3.33	17.8	78.5	113.	51.7	-	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphie
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 09/04 A 06H00
 MAXIMUM INSTANTANE : 196. M3/S LE 08/09 A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 10/04
 MAXIMUM JOURNALIER : 177. M3/S LE 08/09

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472704803 KOUMANGOU
 RIVIERE : KOUMANGOU
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.12.00
 LONGIT. 0.27.00
 ALTIT. 111 M
 AIRE 6730 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.203	.126	.060	-	2.91	4.90	4.54	266.	85.9	35.8	6.00	1
2	.703	.203	.126	.060	.282	2.91	3.51	82.9	283.	82.7	93.8	5.68	2
3	.661	.203	.126	.060	.270	2.96	5.84	84.7	331.	76.7	95.8	5.33	3
4	.659	.203	.126	.060	.229	3.26	4.77	39.4	361.	69.9	60.6	4.80	4
5	.641	.195	.120	.057	.204	3.09	4.07	24.9	366.	65.9	46.7	4.61	5
6	.592	.171	.105	.049	.167	3.01	5.93	19.2	353.	108.	39.1	-	6
7	.571	.170	.104	.048	.066	3.01	6.95	21.4	335.	203.	35.2	4.13	7
8	.521	.170	-	.048	.060	8.55	7.07	34.9	267.	175.	31.5	3.96	8
9	.500	.170	.104	.048	.060	10.2	4.49	87.4	247.	112.	28.3	3.81	9
10	.451	.170	.115	.107	.060	6.12	7.94	56.5	256.	93.0	25.9	3.63	10
11	.430	.170	.141	.252	3.43	5.45	28.3	32.9	280.	81.7	25.5	3.54	11
12	.380	.164	.121	.193	2.84	3.53	16.8	28.5	244.	73.7	23.5	3.51	12
13	-	.149	.105	.139	3.98	3.34	13.6	34.8	207.	66.4	20.6	3.42	13
14	.359	.148	.104	.100	4.02	3.36	36.5	23.8	188.	59.6	18.8	3.31	14
15	.320	.148	.104	.082	3.05	3.37	26.4	23.1	207.	53.8	17.2	3.17	15
16	.284	.148	.098	.082	3.80	3.38	14.6	45.6	276.	49.0	15.8	3.02	16
17	.282	.148	.082	.076	4.09	3.39	9.55	35.5	240.	45.1	14.5	3.01	17
18	.282	.148	.082	.060	2.96	3.40	11.9	27.3	139.	41.6	13.7	2.98	18
19	.282	.148	-	.140	2.90	3.41	29.7	40.0	115.	38.3	12.8	2.89	19
20	.282	.148	.117	.570	2.88	3.43	18.9	52.1	127.	35.3	12.0	2.80	20
21	.270	.142	.099	1.13	2.86	4.96	11.7	71.0	115.	32.9	11.3	-	21
22	.237	.127	.082	1.04	2.84	21.7	7.84	46.8	159.	31.1	10.5	2.60	22
23	.235	.126	.082	.971	2.81	19.9	5.88	33.2	173.	29.0	9.94	2.52	23
24	.235	.126	.082	-	7.88	9.06	4.86	80.8	120.	27.2	9.49	2.46	24
25	.235	.126	.082	-	6.63	5.46	5.22	231.	120.	25.4	9.06	-	25
26	.235	.126	.087	.809	3.55	5.19	10.9	233.	158.	22.7	8.58	-	26
27	.235	.126	.097	.829	2.87	11.7	10.9	199.	197.	20.7	7.85	2.27	27
28	.235	.126	.082	.827	2.86	8.40	7.27	255.	138.	20.3	7.37	2.18	28
29	.227		.082	.633	3.46	7.00	5.19	265.	106.	20.3	6.95	2.12	29
30	.204		.082	.524	3.14	5.08	4.00	207.	94.9	22.7	6.56	2.12	30
31	.203		.076		2.91		3.55	237.		28.4		-	31
MO	-	.157	-	-	-	6.02	10.9	85.8	216.	61.2	25.2	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphie
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .048 M3/S LE 06/04 A 07H00
 MAXIMUM INSTANTANE : 370. M3/S LE 04/09 A 23H57

MINIMUM JOURNALIER : .048 M3/S LE 07/04
 MAXIMUM JOURNALIER : 366. M3/S LE 05/09

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472704803 KOUMANGOU LATIT. 10.12.00
 RIVIERE : KOUMANGOU LONGIT. 0.27.00
 PAYS : TOGO ALTIT. 111 M
 BASSIN : VOLTA AIRE 6730 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.812	.227	.142	.060	.564	7.04	94.6	264.	151.	23.9	4.53	1
2	2.03	.789	.204	.127	.060	.226	6.54	73.6	319.	131.	22.0	4.46	2
3	2.01	.733	.203	.126	.060	.160	8.70	52.3	347.	105.	20.3	4.34	3
4	1.95	.730	-	.126	.060	.806	15.9	57.8	348.	103.	18.6	4.23	4
5	1.93	.712	.190	.120	.060	2.02	18.6	81.6	338.	101.	17.2	4.16	5
6	1.86	.662	.171	.105	.060	4.20	13.1	66.9	320.	84.8	15.9	4.09	6
7	1.83	.659	.170	.110	.060	9.85	8.75	104.	314.	76.0	14.8	3.97	7
8	1.78	.659	.170	.125	.060	4.94	7.02	84.3	248.	92.7	13.9	3.85	8
9	1.76	.659	.170	.132	.060	4.17	5.86	54.1	191.	91.1	13.1	3.74	9
10	1.69	.659	.170	.141	.066	5.18	11.1	40.8	210.	75.9	12.4	3.65	10
11	1.67	.641	.170	.127	.081	3.82	27.3	40.2	272.	101.	11.6	3.59	11
12	1.61	.592	.170	.120	.075	3.03	25.6	54.2	267.	122.	10.8	3.53	12
13	-	.589	.164	.105	.060	2.34	14.4	81.4	216.	140.	10.1	3.48	13
14	1.52	.571	.149	.097	.060	1.85	10.4	77.5	190.	123.	9.45	3.42	14
15	1.50	.521	.148	.082	.056	1.70	7.75	96.0	199.	107.	8.97	3.32	15
16	1.44	.518	.148	.082	.049	2.17	5.87	137.	269.	93.5	8.50	3.21	16
17	1.44	.500	.148	.082	.052	2.22	5.36	109.	313.	81.3	7.96	3.10	17
18	1.42	.451	.148	.082	.059	1.92	5.24	80.4	328.	108.	7.43	3.01	18
19	1.36	.430	.154	.082	.060	2.22	6.68	84.1	253.	107.	6.96	2.95	19
20	1.36	.380	.169	.082	.060	2.93	7.43	67.9	181.	81.9	6.53	2.89	20
21	1.34	.365	.170	.075	.056	3.28	8.00	55.6	172.	70.3	6.23	2.80	21
22	1.25	.332	.170	.060	.049	3.58	88.7	60.6	150.	61.2	5.94	2.72	22
23	1.14	.330	.170	.060	.048	4.84	132.	54.7	128.	54.5	5.65	2.67	23
24	1.11	.318	.164	.060	.048	3.09	53.1	114.	111.	49.3	5.37	2.62	24
25	1.03	.284	.149	.060	.048	2.95	37.3	210.	-	45.1	5.10	2.53	25
26	.971	.282	.148	.060	.048	2.81	40.9	243.	-	41.3	4.86	2.46	26
27	.947	.270	.148	.060	.048	5.12	34.8	246.	-	37.8	4.78	2.41	27
28	.891	.237	.142	.060	.048	5.14	41.6	167.	172.	34.2	4.72	2.36	28
29	.888		.127	.060	.092	8.51	105.	167.	-	31.1	4.66	2.27	29
30	.888		.132	.060	.569	6.17	93.5	207.	193.	28.4	4.60	2.20	30
31	.868		.147		1.48		65.7	214.		26.0		2.14	31
MO	-	.525	-	.093	.121	3.39	29.7	106.	-	82.4	10.4	3.25	MO

- : lacune + : lacune due à une cote hors barème

en caractères gras : données relatives au limnigraphe

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .048 M3/S LE 16/05 A 06H00

MAXIMUM INSTANTANE : 350. M3/S LE 03/09 A 11H55

MINIMUM JOURNALIER : .048 M3/S LE 23/05

MAXIMUM JOURNALIER : 348. M3/S LE 04/09

KOULOUGONA A NANO

N° 1472707203

GENERALITES

- superficie du bassin versant.....: Km^2
- coordonnées de la station: 10°42'N - 00°06'E
- cote du zero de l'échelle:
- amplitude de l'échelle:
- accès:
- date de création: 13.07.1973
- cadence des relevés: 2 relevés par jour.

TARAGE

- nombre de jaugeages au 31.12.87: 18
- maximum jauge: H = 181 CM
- Q = 23.7 M^3/S
- date : 13.09.1979
- nombre de tarages entre 1983 et 1987: 01
- dernier étalonnage utilisé :
valide du 01.09.1978 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M^3/S	hauteur en CM	débit en M^3/S
000	0.000	100	2.400
015	0.000	110	3.070
021	0.003	120	3.900
030	0.050	130	5.100
040	0.150	140	6.800
050	0.320	150	9.050
060	0.600	160	12.50
070	0.940	170	17.90
080	1.350	180	24.00
090	1.830	300	96.60

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1472707203 NANO
RIVIERE : KOULOUGONA
PAYS : TOGO
BASSIN : VOLTA
DEBITS EN M^3/S

LATIT. 10.42.00
LONGIT. 0.06.00
AIRE 310.000 KM^2

ANNEE	JANV	FEV	MARS	AVR	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1976	+	+	+	+	+	+	+	+	+	+	1.56	.217	-
1977	.036	.015	.000	.000	.000	.000	.027	1.49	2.03	.210	.026	.008	.320
1978	.002	.000	.000	.000	.002	.139	.326	.174	-	.483	.137	.022	-
1979	-	.000	.000	.000	.000	.074	.480	5.82	12.7	-	1.88	.612	-
1980	-	-	.024	.000	.000	.071	.007	4.04	9.05	.849	.263	-	-
1981	.022	.000	.000	.000	.038	.410	1.10	10.0	8.83	1.82	.768	.537	1.96
1982	.219	.062	.004	.044	.257	.180	.317	2.10	11.7	1.97	.959	.697	1.54
1983	-	-	.001	.000	.000	.000	.155	.730	1.08	.275	-	-	-
1984	.001	.000	.000	.001	.034	.018	.057	.508	.707	.128	.036	.004	.125
1985	.000	.000	.000	.136	.007	-	.969	3.48	1.71	.309	.041	.000	-
1986	.001	.000	.000	.000	.000	.005	-	1.37	3.86	.337	.459	-	-
1987	-	.000	.000	.000	.000	.000	-	8.60	-	.102	-	-	-
MOY.	.040	.008	.002	.016	.030	.089	.382	2.97	6.03	.709	.567	.262	.987

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472707203 NANO LATIT. 10.42.00
 RIVIERE : KOULOUGONA LONGIT. 0.05.00
 PAYS : TOGO
 BASSIN : VOLTA AIRE 310.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	.003	.000	.000	.000	.000	.051	1.50	.495	.166	-	1
2	-	-	.007	.000	.000	.000	.000	.050	.902	.464	.142	-	2
3	-	-	.007	.000	.000	.000	.000	.074	.639	.432	.130	-	3
4	-	-	.003	.000	.000	.000	.000	.079	.492	.404	.121	-	4
5	-	-	.002	.000	.000	.000	.000	.070	.415	.376	.119	-	5
6	-	-	.002	.000	.000	.000	.000	.075	.592	.348	.110	-	6
7	-	.139	.002	.000	.000	.000	.000	.095	.839	.321	.101	-	7
8	-	.131	.001	.000	.000	.000	.000	.121	.969	.303	.098	-	8
9	-	.130	.001	.000	.000	.000	.000	.142	.861	.286	.091	-	9
10	-	.129	.001	.000	.000	.000	.000	.363	.849	.269	.088	-	10
11	-	.121	.001	.000	.000	.000	.000	.535	.785	.254	.081	-	11
12	-	.119	.000	.000	.000	.000	.042	.380	.704	.248	.078	-	12
13	-	.110	.000	.000	.000	.000	.109	.287	.668	.222	.071	.034	13
14	-	.098	.000	.000	.000	.000	.351	.227	.909	.216	.068	.034	14
15	-	.078	.000	.000	.000	.000	.266	.175	1.82	.203	.061	.034	15
16	-	.052	.000	.000	.000	.000	.470	.117	2.42	.201	.058	.033	16
17	-	.038	.000	.000	.000	.000	.639	.095	2.27	.199	.051	.029	17
18	-	.025	.000	.000	.000	.000	.834	.080	2.02	.186	.049	.029	18
19	-	.018	.000	.000	.000	.000	.824	.070	1.53	.197	.045	.028	19
20	-	.013	.000	.000	.000	.000	.449	.063	.926	.273	.044	.024	20
21	-	.008	.000	.000	.000	.000	.180	.108	1.44	.284	.040	.023	21
22	-	.003	.000	.000	.000	.000	.106	.133	1.57	.271	.040	.023	22
23	-	.002	.000	.000	.000	.000	.081	.210	1.41	.267	.044	.019	23
24	-	.003	.000	.000	.000	.000	.088	.349	1.37	.254	.049	.018	24
25	-	.007	.000	.000	.001	.001	.070	.646	1.17	.250	.049	.018	25
26	-	.008	.000	.000	.001	.001	.060	.994	.979	.237	.045	.018	26
27	-	.007	.000	.000	.000	.001	.050	2.02	.804	.233	.045	.014	27
28	-	.003	.000	.000	.000	.000	.047	4.13	.625	.220	.049	.013	28
29	-	.000	.000	.000	.000	.000	.047	3.71	.530	.216	-	.012	29
30	-	.000	.000	.000	.000	.000	.043	4.24	.465	.201	-	.008	30
31	-	.000	.000	.000	.000	.000	.058	2.93	.184	.000	.000	.000	31
MO	-	.001	.000	.000	.000	.155	.730	1.08	.275	-	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 13 MARS A 12H00
 MAXIMUM INSTANTANE : 4.52 M3/S LE 30 AOUT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 14 MARS
 MAXIMUM JOURNALIER : 4.24 M3/S LE 30 AOUT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1472707203 NANO LATIT. 10.42.00
 RIVIERE : KOULOUGONA LONGIT. 0.05.00
 PAYS : TOGO
 BASSIN : VOLTA AIRE 310.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.007	.000	.000	.000	.000	.101	.000	.091	1.36	.304	.050	.023	1
2	.003	.000	.000	.000	.000	.165	.000	.070	2.66	.216	.050	.019	2
3	.003	.000	.000	.000	.000	.153	.000	.052	2.10	.128	.055	.018	3
4	.002	.000	.000	.000	.000	.081	.000	.032	1.05	.179	.050	.016	4
5	.002	.000	.000	.000	.000	.034	.001	.037	.512	.167	.049	.013	5
6	.002	.000	.000	.000	.000	.011	.007	.177	.247	.150	.045	.008	6
7	.002	.000	.000	.000	.000	.002	.109	.245	.134	.044	.003	.003	7
8	.002	.000	.000	.000	.000	.000	.001	.155	.373	.111	.044	.002	8
9	.002	.000	.000	.000	.000	.000	.001	.302	.405	.110	.039	.002	9
10	.002	.000	.000	.000	.000	.000	.000	.136	.288	.110	.039	.002	10
11	.002	.000	.000	.000	.000	.000	.000	.085	.267	.115	.034	.002	11
12	.001	.000	.000	.000	.000	.000	.000	.060	.202	.120	.030	.002	12
13	.001	.000	.000	.000	.000	.000	.000	.167	.167	.120	.038	.002	13
14	.001	.000	.000	.000	.000	.000	.000	.513	.150	.125	.029	.002	14
15	.001	.000	.000	.000	.000	.000	.001	.256	.132	.129	.034	.001	15
16	.001	.000	.000	.000	.000	.000	.004	.103	.163	.121	.039	.001	16
17	.001	.000	.000	.000	.000	.000	.042	.056	.385	.129	.034	.001	17
18	.001	.000	.000	.000	.000	.000	.020	.107	1.26	.136	.034	.001	18
19	.001	.000	.000	.000	.000	.000	.008	.596	1.28	.149	.034	.001	19
20	.001	.000	.000	.000	.000	.000	.002	1.61	1.19	.140	.037	.001	20
21	.000	.000	.000	.008	.000	.000	.002	1.71	1.14	.130	.039	.001	21
22	.000	.000	.000	.032	.000	.000	.001	1.82	1.04	.121	.037	.000	22
23	.000	.000	.000	.014	.000	.000	.002	1.02	.944	.119	.034	.000	23
24	.000	.000	.000	.000	.000	.000	.005	.654	.875	.111	.029	.000	24
25	.000	.000	.000	.000	.000	.000	.025	.369	.720	.105	.023	.000	25
26	.000	.000	.000	.000	.009	.000	.309	.282	.343	.099	.019	.000	26
27	.000	.000	.000	.000	.303	.000	.168	1.32	.267	.090	.018	.000	27
28	.000	.000	.000	.000	.571	.000	.214	1.66	.456	.085	.018	.000	28
29	.000	.000	.000	.000	.087	.000	.458	1.12	.614	.079	.021	.000	29
30	.000	.000	.000	.000	.037	.000	.339	.661	.390	.070	.023	.000	30
31	.000	.000	.000	.047	.158	.409	.069	.000	.000	.000	.000	.000	31
MO	.001	.000	.000	.001	.034	.018	.057	.508	.707	.128	.036	.004	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 26 JANV A 18H00
 MAXIMUM INSTANTANE : 3.07 M3/S LE 2 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 27 JANV
 MAXIMUM JOURNALIER : 2.66 M3/S LE 2 SEPT

DEBIT MOYEN ANNUEL : .125 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1472707203 NANO
 RIVIERE : KOULOUGONA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.42.00
 LONGIT. 0.06.00
 AIRE 310.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	-	.025	12.8	.329	1.15	.002	.000	1
2	.000	.000	.000	.000	.000	-	.003	9.66	.682	.886	.001	.000	2
3	.000	.000	.000	.000	.000	-	.117	9.20	1.11	.950	.001	.000	3
4	.000	.000	.000	.000	.000	-	.932	7.60	1.82	1.23	.001	.000	4
5	.000	.000	.000	.000	.000	-	1.33	6.03	2.20	1.41	.002	.000	5
6	.000	.000	.000	.000	.000	-	1.03	4.79	2.70	1.13	.019	.000	6
7	.000	.000	.000	.000	.000	-	.208	3.67	2.47	.574	.076	.000	7
8	.000	.000	.000	.000	.000	-	.513	2.76	1.64	.391	.000	.000	8
9	.000	.000	.000	.000	.000	-	.889	1.97	1.16	.271	.100	.000	9
10	.000	.000	.000	.000	.000	-	.126	1.60	.697	.193	.101	.000	10
11	.000	.000	.000	.000	.000	-	.045	1.83	.518	.149	.109	.000	11
12	.000	.000	.000	.000	.000	-	.022	2.38	.483	.205	.109	.000	12
13	.000	.000	.000	.000	.000	-	.020	5.19	1.52	.184	.101	.000	13
14	.000	.000	.000	.000	.000	-	.587	9.83	3.31	.136	.095	.000	14
15	.000	.000	.000	.000	.000	-	1.74	5.32	2.82	.115	.085	.000	15
16	.000	.000	.000	.000	.000	-	1.85	3.60	2.19	.095	.075	.000	16
17	.000	.000	.000	.000	.001	-	.748	2.62	3.07	.080	.064	.000	17
18	.000	.000	.000	.000	.007	-	1.16	2.12	4.10	.065	.047	.000	18
19	.000	.000	.000	.000	.146	-	4.61	1.70	2.94	.050	.039	.000	19
20	.000	.000	.000	1.10	.031	-	4.12	1.40	2.46	.049	.034	.000	20
21	.000	.000	.000	2.66	.002	-	1.90	1.15	2.00	.047	.029	.000	21
22	.000	.000	.000	.162	.000	-	.574	.947	1.39	.047	.023	.000	22
23	.000	.000	.000	.003	.000	-	.248	.823	1.12	.041	.016	.000	23
24	.000	.000	.000	.000	.000	-	1.03	.862	1.41	.034	.005	.000	24
25	.000	.000	.000	.000	.000	-	1.29	1.08	1.23	.029	.002	.000	25
26	.000	.000	.000	.118	.000	-	.588	1.23	1.06	.023	.002	.000	26
27	.000	.000	.000	.023	.000	-	.250	1.57	.900	.018	.001	.000	27
28	.000	.000	.000	.021	.000	-	.117	1.97	.992	.013	.001	.000	28
29	.000	.000	.000	.002	.000	-	.342	1.17	1.49	.005	.001	.000	29
30	.000	.000	.000	.000	.000	-	.962	.606	1.45	.002	.000	.000	30
31	.000	.000	.000	.000	.000	-	2.65	.370	.002	.002	.000	.000	31
MO	.000	.000	.000	.136	.007	-	.969	3.48	1.71	.309	.041	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00

MAXIMUM INSTANTANE : 16.8 M3/S LE 1 AOUT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV

MAXIMUM JOURNALIER : 12.8 M3/S LE 1 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1472707203 NANO
 RIVIERE : KOULOUGONA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.42.00
 LONGIT. 0.06.00
 AIRE 310.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	-	1.44	1.20	1.31	.107	-	1
2	.000	.000	.000	.000	.000	.000	-	5.83	3.46	1.13	.269	-	2
3	.000	.000	.000	.000	.000	.000	-	5.54	3.55	1.26	.523	-	3
4	.000	.000	.000	.000	.000	.000	-	3.62	5.59	.953	.562	-	4
5	.000	.000	.000	.000	.000	.000	-	1.24	4.62	.740	1.55	-	5
6	.000	.000	.000	.000	.000	.000	-	1.34	2.41	.640	1.45	-	6
7	.000	.000	.000	.000	.000	.000	-	1.67	3.57	.626	2.38	-	7
8	.000	.000	.000	.000	.000	.000	-	.708	5.57	.516	2.20	-	8
9	.000	.000	.000	.000	.000	.000	-	.299	5.32	.404	1.97	-	9
10	.000	.000	.000	.000	.000	.000	-	.229	4.14	.314	1.33	-	10
11	.000	.000	.000	.000	.000	.000	-	1.01	5.67	.313	.675	-	11
12	.000	.000	.000	.000	.000	.000	-	2.11	6.95	.404	.298	-	12
13	.000	.000	.000	.000	.000	.000	-	2.56	5.62	.273	.134	-	13
14	.000	.000	.000	.000	.000	.000	-	1.95	4.24	.201	.070	-	14
15	.000	.000	.000	.000	.000	.000	-	.815	3.83	.152	.035	-	15
16	.000	.000	.000	.000	.000	.000	-	.342	3.70	.139	.026	-	16
17	.000	.000	.000	.000	.000	.000	-	.282	5.07	.116	.013	-	17
18	.000	.000	.000	.000	.000	.000	-	.564	6.73	.109	.008	-	18
19	.000	.000	.000	.000	.000	.000	-	.971	4.32	.101	.005	-	19
20	.000	.000	.000	.000	.000	.000	-	.834	2.32	.100	.002	-	20
21	.000	.000	.000	.000	.000	.000	-	.467	1.84	.095	.002	-	21
22	.000	.000	.000	.000	.000	.000	-	.264	3.05	.084	.002	-	22
23	.000	.000	.000	.000	.000	.059	-	.353	3.14	.070	.001	-	23
24	.000	.000	.000	.000	.000	.109	-	.978	3.45	.075	.001	-	24
25	.000	.000	.000	.000	.000	.004	-	2.49	3.71	.079	.001	-	25
26	.000	.000	.000	.000	.000	.000	-	2.11	3.07	.070	.002	-	26
27	.000	.000	.000	.000	.000	.000	-	1.10	3.36	.055	.021	-	27
28	.000	.000	.000	.000	.000	.000	-	.568	2.94	.044	.048	-	28
29	.000	.000	.000	.000	.000	.000	-	.345	2.01	.037	.047	-	29
30	.000	.000	.000	.000	.000	.000	-	.228	1.44	.026	.042	-	30
31	.000	.000	.000	.000	.000	.000	-	.372	.025	.025	.000	-	31
MO	.000	.000	.000	.000	.000	.005	-	1.37	3.86	.337	.459	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 06H00

MAXIMUM INSTANTANE : 7.25 M3/S LE 4 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 1 FEVR

MAXIMUM JOURNALIER : 6.95 M3/S LE 12 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1472707203 NANO
 RIVIERE : KOULOUGONA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.42.00
 LONGIT. 0.05.00
 AIRE 310.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.000	.000	.000	.000	.000	-	-	3.34	3.79	.332	.088	1
2	-	.000	.000	.000	.000	.000	-	-	4.11	4.30	.279	.146	2
3	-	.000	.000	.000	.000	.000	-	-	5.87	4.69	.245	.114	3
4	-	.000	.000	.000	.000	.000	-	-	8.97	5.63	.227	.078	4
5	-	.000	.000	.000	.000	.000	-	-	17.9	7.57	.217	.100	5
6	-	.000	.000	.000	.000	.000	-	-	26.3	7.13	.202	.129	6
7	-	.000	.000	.000	.000	.000	-	-	30.7	6.46	.193	.149	7
8	-	.000	.000	.000	.000	.000	-	-	26.7	5.76	.176	-	8
9	-	.000	.000	.000	.000	.000	-	-	20.7	4.82	.159	-	9
10	-	.000	.000	.000	.000	.000	-	-	15.8	4.26	.145	-	10
11	-	.000	.000	.000	.000	.000	-	-	9.39	3.74	.135	-	11
12	-	.000	.000	.000	.000	.000	-	-	6.09	3.28	.125	-	12
13	-	.000	.000	.000	.000	.000	-	-	3.90	2.91	.115	-	13
14	-	.000	.000	.000	.000	.000	-	-	4.34	-	.109	-	14
15	-	.000	.000	.000	.000	.000	-	-	6.86	-	.097	-	15
16	-	.000	.000	.000	.000	.000	-	-	8.60	1.89	.050	-	16
17	-	.000	.000	.000	.000	.000	-	-	8.27	1.52	.042	-	17
18	-	.000	.000	.000	.000	.000	-	-	7.68	1.11	.037	-	18
19	-	.000	.000	.000	.000	.000	-	-	6.66	.944	.034	-	19
20	-	.000	.000	.000	.000	.000	-	-	6.09	.823	.028	-	20
21	-	.000	.000	.000	.000	.000	-	-	4.96	.753	.014	-	21
22	-	.000	.000	.000	.000	.000	-	-	3.98	.670	.008	-	22
23	-	.000	.000	.000	.000	.000	-	-	3.18	.617	.003	-	23
24	-	.000	.000	.000	.000	.000	-	-	2.73	.584	.002	-	24
25	-	.000	.000	.000	.000	.000	-	-	2.25	.546	.002	-	25
26	-	.000	.000	.000	.000	.000	-	-	1.93	.542	.001	-	26
27	-	.000	.000	.000	.000	.000	-	-	2.07	.516	.001	-	27
28	-	.000	.000	.000	.000	.000	-	-	2.02	.488	.003	-	28
29	-	.000	.000	.000	.000	.000	-	-	2.80	.448	.024	-	29
30	-	.000	.000	.000	.000	.000	-	-	3.84	.418	.058	-	30
31	-	.000	.000	.000	.000	.000	-	-	.376			-	31
MO	-	.000	.000	.000	.000	.000	-	-	8.60	-	.102	-	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 FEVR A 00H00
 MAXIMUM INSTANTANE : 31.3 M3/S LE 7 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 FEVR
 MAXIMUM JOURNALIER : 30.7 M3/S LE 7 SEPT

KOUPENI A NABOULGOU

N° 1472707503

GENERALITES

- superficie du bassin versant.....: 106 Km²
- coordonnées de la station: 10°07'N - 00°46'E
- cote du zero de l'échelle: 145 m. (IGN) environ
- amplitude de l'échelle: 0 à 5.00 m.
- accès: piste NABOULGOU-PANGA
- date de création: 11.05.1962
- cadence des relevés: 1 relevé par jour

TARAGE

- nombre de jaugeages au 31.12.87: 48
- maximum jaugeé: H = 155-150 CM
Q = 13.0 M³/S
date : 13.09.1964
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 07.09.1974 au 31.12.1985
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	00000	072	0.830
035	00000	078	1.280
041	0.002	085	2.120
044	0.005	094	3.210
047	0.018	100	4.200
050	0.041	110	6.100
054	0.087	130	10.00
058	0.193	180	19.70
055	0.464	300	43.00

REMARQUE

- Station abandonnée en avril 1985.

DEBITS MOYENS MENSUELS ET ANNUELS EN M3/S

STATION : 1472707503 NABOULGOU

RIVIERE : KOUPENI

PAYS : TOGO

BASSIN : VOLTA

LATIT. 10.07.00

LONGIT. 0.46.00

ALTIT. 145M

AIRE 106.000 KM2

ANNEE	JANV	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1962	-	-	-	-	-	.259	-	-	12.5	.940	.088	-	-
1963	-	-	-	-	-	-	2.73	5.49	-	9.65	1.49	.017	-
1964	.000	.000	.000	.000	.041	-	.246	.137	-	.534	.015	-	-
1965													
1966	.000	.000	.000	.000	.000	-	.058	.399	-	-	-	-	-
1967	-	-	-	-	-	-	-	3.55	5.15	.498	.029	.001	-
1968	-	-	-	-	-	2.41	6.80	3.73	4.74	1.59	.135	.000	-
1969	.000	.000	.000	.000	.000	.006	1.04	1.93	7.97	2.42	.986	.016	1.20
1970	.000	.000	.000	.000	.001	.000	.010	1.21	-	1.64	.011	.000	-
1971	.000	.000	.000	.000	.008	.018	.821	9.43	9.57	1.48	.049	.000	1.78
1972	.000	.000	.000	.000	.002	.000	.002	.163	3.00	2.05	.042	.000	.438
1973	.000	.000	.000	.000	.000	.005	.039	.184	1.85	1.05	.005	-	-
1974	.000	.000	.000	.000	.002	.276	.182	4.18	6.28	.523	.059	-	-
1975	-	-	-	.166	.001	.017	.158	.683	8.16	1.94	.006	-	-
1976	.000	.000	.000	.000	.000	.228	.293	.345	.139	-	.228	.001	-
1977	.000	.000	.000	.000	.000	.000	.000	.000	-	-	.000	.000	-
1978	-	-	-	-	.035	.001	2.96	3.74	2.34	.401	.030	-	-
1979	.000	.000	.000	.000	.001	.144	1.02	6.24	5.34	1.03	.019	-	-
1980	.000	.000	.000	.000	.000	-	.007	1.04	3.69	-	.005	-	-
1981	.000	.000	.000	.000	.000	.848	.116	24.8	27.4	.128	-	.000	-
1982	.000	.000	-	-	.000	.000	.000	.000	5.54	1.54	.001	.000	-
1983	.000	.000	.000	.000	.104	.695	.027	.101	-	.077	.000	.000	-
1984	.000	.000	.000	.000	.056	.000	-	-	1.15	.545	.002	.000	-
1985	.000	.000	.000	-	-	-	-	-	-	-	-	-	-
MOY.	.000	.000	.000	.010	.014	.290	.869	3.37	6.55	1.56	.160	.002	1.14

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472707503 NABOULGOU LATIT. 10.07.00
 RIVIERE : KOUPENI LONGIT. 0.46.00
 PAYS : TOGO ALTIT. 145M
 BASSIN : VOLTA AIRE 106.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.717	.002	.000	.238	.013	.000	.000	1
2	.000	.000	.000	.000	.000	1.23	.000	.045	.237	.011	.000	.000	2
3	.000	.000	.000	.000	.000	1.23	.000	.305	.203	.048	.000	.000	3
4	.000	.000	.000	.000	.000	1.13	.000	.282	.171	.272	.000	.000	4
5	.000	.000	.000	.000	.000	1.05	.000	.233	.143	.286	.000	.000	5
6	.000	.000	.000	.000	.000	.963	.000	.175	.116	.305	.000	.000	6
7	.000	.000	.000	.000	.000	.827	.000	.143	.093	.276	.000	.000	7
8	.000	.000	.000	.000	.000	.750	.000	.116	.071	.237	.000	.000	8
9	.000	.000	.000	.000	.000	.685	.000	.095	.045	.203	.000	.000	9
10	.000	.000	.000	.000	.000	.704	.000	.095	-	.171	.000	.000	10
11	.000	.000	.000	.000	.000	1.14	.001	.143	-	.143	.000	.000	11
12	.000	.000	.000	.000	.000	1.13	.012	.320	-	.116	.000	.000	12
13	.000	.000	.000	.000	.000	1.04	.054	.292	-	.093	.000	.000	13
14	.000	.000	.000	.000	.000	.896	.151	.285	-	.073	.000	.000	14
15	.000	.000	.000	.000	.000	.752	.143	.135	-	.053	.000	.000	15
16	.000	.000	.000	.000	.000	.629	.116	.074	1.02	.025	.000	.000	16
17	.000	.000	.000	.000	.000	.595	.093	.043	.820	.017	.000	.000	17
18	.000	.000	.000	.000	.000	.774	.073	.028	.631	.015	.000	.000	18
19	.000	.000	.000	.000	.000	1.05	.056	.047	.516	.013	.000	.000	19
20	.000	.000	.000	.000	.000	.906	.042	.030	.490	.006	.000	.000	20
21	.000	.000	.000	.000	.000	.745	.030	.048	.616	.006	.000	.000	21
22	.000	.000	.000	.000	.000	.574	.016	.032	.391	.002	.000	.000	22
23	.000	.000	.000	.000	.000	.456	.019	.018	.278	.000	.000	.000	23
24	.000	.000	.000	.000	.000	.357	.043	.014	.205	.000	.000	.000	24
25	.000	.000	.000	.000	.000	.243	.007	.012	.147	.000	.000	.000	25
26	.000	.000	.000	.000	.000	.159	.000	.011	.116	.000	.000	.000	26
27	.000	.000	.000	.000	.122	.036	.000	.013	.095	.000	.000	.000	27
28	.000	.000	.000	.000	.832	.022	.000	.011	-	.000	.000	.000	28
29	.000	.000	.000	.000	.827	.028	.000	.012	.021	.000	.000	.000	29
30	.000	.000	.000	.000	.750	.020	.000	.011	.015	.000	.000	.000	30
31	.000	.000	.000	.685	.000	.043	.000	.000	.000	.000	.000	.000	31
MO	.000	.000	.000	.000	.104	.695	.027	.101	-	.077	.000	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00

MAXIMUM INSTANTANE : 1.33 M3/S LE 2 JUIN A 12H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV

MAXIMUM JOURNALIER : 1.23 M3/S LE 2 JUIN

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1472707503 NABOULGOU LATIT. 10.07.00
 RIVIERE : KOUPENI LONGIT. 0.46.00
 PAYS : TOGO ALTIT. 145M
 BASSIN : VOLTA AIRE 106.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.000	.019	2.33	.007	.000	1
2	.000	.000	.000	.000	.000	.000	.000	.005	.014	2.20	.011	.000	2
3	.000	.000	.000	.000	.000	.000	.000	.008	.014	2.18	.010	.000	3
4	.000	.000	.000	.000	.000	.000	.000	.000	.014	2.28	.009	.000	4
5	.000	.000	.000	.000	.000	.000	.000	.000	.086	1.80	.008	.000	5
6	.000	.000	.000	.000	.000	.000	.000	.003	.257	.946	.007	.000	6
7	.000	.000	.000	.000	.000	.000	.000	.114	.228	.661	.006	.000	7
8	.000	.000	.000	.000	.000	.000	.000	.093	.195	.393	.004	.000	8
9	.000	.000	.000	.000	.000	.000	.000	.000	.190	.296	.004	.000	9
10	.000	.000	.000	.000	.000	.000	.000	.000	.225	.274	.004	.000	10
11	.000	.000	.000	.000	.000	.000	-	.014	.225	.333	.001	.000	11
12	.000	.000	.000	.000	.000	.000	-	.108	.285	.258	.000	.000	12
13	.000	.000	.000	.000	.000	.000	-	1.43	.292	.188	.000	.000	13
14	.000	.000	.000	.000	.000	.000	-	14.1	.220	.137	.000	.000	14
15	.000	.000	.000	.000	.000	.000	-	1.65	.718	.198	.000	.000	15
16	.000	.000	.000	.000	.489	.000	.000	.209	2.20	.386	.000	.000	16
17	.000	.000	.000	.000	1.20	.000	.000	.007	2.51	.350	.000	.000	17
18	.000	.000	.000	.000	.055	.000	.000	.000	2.21	.305	.000	.000	18
19	.000	.000	.000	.000	.001	.000	.000	.000	.805	2.18	.266	.000	19
20	.000	.000	.000	.000	.000	.000	.000	1.99	2.31	.228	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.000	1.50	2.17	.195	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.000	.710	1.93	.163	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.000	.094	1.71	.136	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.000	.033	1.57	.110	.000	.000	24
25	.000	.000	.000	.007	.000	.000	-	.005	1.37	.088	.000	.000	25
26	.000	.000	.000	.003	.000	.000	-	.000	1.19	.068	.000	.000	26
27	.000	.000	.000	.000	.000	.000	-	.005	1.67	.049	.000	.000	27
28	.000	.000	.000	.000	.000	.000	-	.012	3.08	.027	.000	.000	28
29	.000	.000	.000	.000	.000	.000	-	-	2.86	.016	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.000	-	2.57	.014	.000	.000	30
31	.000	.000	.000	.000	.000	.000	-	.014	.000	.000	.000	.000	31
MO	.000	.000	.000	.000	.056	.000	-	-	1.15	.545	.002	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00

MAXIMUM INSTANTANE : 22.8 M3/S LE 14 AOUT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV

MAXIMUM JOURNALIER : 14.1 M3/S LE 14 AOUT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1985

STATION : 1472707503 NABOUL60U
 RIVIERE : KOUPENI
 PAYS : TOGO
 BASSIN : VOLTA

LATIT. 10.07.00
 LONGIT. 0.46.00
 ALTIT. 145M
 AIRE 106.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	-	-	-	-	-	-	-	-	-	1
2	.000	.000	.000	-	-	-	-	-	-	-	-	-	2
3	.000	.000	.000	-	-	-	-	-	-	-	-	-	3
4	.000	.000	.000	-	-	-	-	-	-	-	-	-	4
5	.000	.000	.000	-	-	-	-	-	-	-	-	-	5
6	.000	.000	.000	-	-	-	-	-	-	-	-	-	6
7	.000	.000	.000	-	-	-	-	-	-	-	-	-	7
8	.000	.000	.000	-	-	-	-	-	-	-	-	-	8
9	.000	.000	.000	-	-	-	-	-	-	-	-	-	9
10	.000	.000	.000	-	-	-	-	-	-	-	-	-	10
11	.000	.000	.000	-	-	-	-	-	-	-	-	-	11
12	.000	.000	.000	-	-	-	-	-	-	-	-	-	12
13	.000	.000	.000	-	-	-	-	-	-	-	-	-	13
14	.000	.000	.000	-	-	-	-	-	-	-	-	-	14
15	.000	.000	.000	-	-	-	-	-	-	-	-	-	15
16	.000	.000	.000	-	-	-	-	-	-	-	-	-	16
17	.000	.000	.000	-	-	-	-	-	-	-	-	-	17
18	.000	.000	.000	-	-	-	-	-	-	-	-	-	18
19	.000	.000	.000	-	-	-	-	-	-	-	-	-	19
20	.000	.000	.000	-	-	-	-	-	-	-	-	-	20
21	.000	.000	.000	-	-	-	-	-	-	-	-	-	21
22	.000	.000	.000	-	-	-	-	-	-	-	-	-	22
23	.000	.000	.000	-	-	-	-	-	-	-	-	-	23
24	.000	.000	.000	-	-	-	-	-	-	-	-	-	24
25	.000	.000	.000	-	-	-	-	-	-	-	-	-	25
26	.000	.000	.000	-	-	-	-	-	-	-	-	-	26
27	.000	.000	.000	-	-	-	-	-	-	-	-	-	27
28	.000	.000	.000	-	-	-	-	-	-	-	-	-	28
29	.000		.000	-	-	-	-	-	-	-	-	-	29
30	.000		.000	-	-	-	-	-	-	-	-	-	30
31	.000		.000	-	-	-	-	-	-	-	-	-	31
MO	.000	.000	.000	-	-	-	-	-	-	-	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : .000 M3/S LE 1 JANV

KPAYA A ATCHANGBADE

N° 1472707803

GENERALITES

- superficie du bassin versant.....: 394 Km²
- coordonnées de la station: 09°28'N - 01°07'E
- cote du zero de l'échelle: 285 m. (IGN) environ
- amplitude de l'échelle: -0.50 à 6.00 m.
- accès: Route AWANDJELLO-KABOU
- date de création: 06.05.1962
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 129
- maximum jaugé: H = 96-94 CM
Q = 26.9 M³/s
date : 21.09.1977
- nombre de tarages entre 1983 et 1987: 3
- dernier étalonnage utilisé :
valide du 18.08.1986 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
020	0.0000	060	2.700
016	0.0000	070	4.610
020	0.010	080	6.930
024	0.050	090	10.00
028	0.115	100	13.50
032	0.210	120	22.00
036	0.350	140	34.00
040	0.530	200	81.00
044	0.800	300	190.0
050	1.350	400	300.0

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1472707803 ATCHANGBADE
RIVIERE : KPAYA
PAYS : TOGO
BASSIN : VOLTA
DEBITS EN M3/S

LATIT. 9.28.00
LONGIT. 1.07.00
ALTIT. 285M
AIRE 394.000 KM2

ANNEE	JANV	FEV	MARS	AVR	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1962	-	-	-	-	-	49.6	17.7	43.8	34.4	15.5	2.10	.220	-
1963	-	.215	.213	.231	.587	.736	.598	51.3	70.5	37.7	16.3	-	-
1964	.431	.242	.078	.163	.289	.320	1.01	8.13	35.5	3.10	.925	.323	4.21
1965	.238	-	-	-	-	-	-	-	-	-	-	-	-
1966	-	.055	-	.375	-	-	-	-	-	-	-	-	-
1967	-	-	2.42	1.08	.574	1.76	13.1	44.7	115.	64.9	4.66	.762	-
1968	.389	.161	.365	1.88	2.92	15.8	17.4	71.6	75.8	16.1	4.91	.894	17.4
1969	.362	.190	.197	6.08	1.26	.990	35.4	113.	154.	71.2	7.83	1.36	32.7
1970	.954	.598	.476	.191	.228	.375	3.16	8.28	67.0	7.18	.666	.201	7.44
1971	.070	.115	.178	.178	.592	1.29	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	.240	1.31	40.3	10.7	3.31	.697	.187	-
1974	-	-	-	-	-	-	4.35	6.85	19.5	7.68	1.12	.353	-
1975	.165	.092	-	.250	.443	.780	4.12	8.65	13.8	-	1.38	.445	-
1976	.125	.079	-	.863	.727	11.3	5.26	9.50	10.8	15.5	7.63	.555	-
1977	-	-	-	.172	.174	.444	3.09	4.93	12.4	3.39	.601	.275	-
1978	-	-	-	.352	.405	2.00	6.54	14.5	19.1	6.52	2.44	.626	-
1979	.292	.125	.400	.171	.322	.897	11.8	15.4	22.6	9.06	2.22	-	-
1980	.244	.009	.000	.045	.359	.529	1.22	5.45	16.0	3.39	1.39	.264	2.41
1981	.027	.001	.007	.040	.082	.614	2.01	10.9	10.0	1.70	.285	.000	2.14
1982	.000	.000	.000	.450	.391	.425	2.70	1.41	4.87	2.15	.762	.017	1.10
1983	.000	.000	.000	.430	.044	.358	5.07	4.64	5.87	1.44	.075	.011	1.50
1984	.000	.000	.000	.069	.076	.041	.802	.791	10.5	4.34	.793	-	-
1985	-	-	-	-	-	-	-	-	15.1	5.56	.432	.098	-
1986	.008	-	.000	.000	.020	.132	.687	7.29	18.6	5.35	1.53	.179	-
1987	.065	-	.000	.051	.001	1.02	3.03	12.2	13.9	7.96	-	-	-
MOY.	.211	.126	.289	.654	.500	4.27	6.68	23.0	34.4	14.0	2.80	.376	8.68

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472707803 ATCHANGBADE LATIT. 9.28.00
 RIVIERE : KPAYA LONGIT. 1.07.00
 PAYS : TOGO ALTIT. 285M
 BASSIN : VOLTA AIRE 394.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.014	.000	1.09	6.02	2.84	3.67	.330	.000	1
2	.000	.000	.000	4.11	.005	.000	.665	4.96	2.73	3.11	.274	.000	2
3	.000	.000	.000	7.66	.000	.031	4.18	6.24	2.59	2.93	.259	.000	3
4	.000	.000	.000	.809	.000	.198	4.20	5.19	2.29	4.40	.219	.000	4
5	.000	.000	.000	.232	.000	.089	10.1	4.68	2.56	2.92	.206	.000	5
6	.000	.000	.000	.062	.000	.017	14.5	4.41	3.59	2.26	.170	.000	6
7	.000	.000	.000	.004	.000	.003	8.70	3.67	3.58	2.27	.159	.000	7
8	.000	.000	.000	.000	.000	.000	6.24	3.09	4.85	1.81	.127	.000	8
9	.000	.000	.000	.000	.000	.000	4.90	5.49	3.26	1.65	.122	.000	9
10	.000	.000	.000	.000	.000	.002	5.23	3.97	2.52	1.42	.118	.000	10
11	.000	.000	.000	.000	.000	.009	3.98	24.0	2.21	1.30	.086	.000	11
12	.000	.000	.000	.000	.000	.003	2.48	10.6	2.06	1.19	.056	.000	12
13	.000	.000	.000	.000	.000	.172	2.50	6.11	3.09	1.13	.035	.075	13
14	.000	.000	.000	.000	.000	.193	6.20	5.05	5.49	1.12	.030	.240	14
15	.000	.000	.000	.000	.000	.103	4.31	4.66	5.11	1.06	.018	.031	15
16	.000	.000	.000	.000	.000	.027	2.51	3.68	4.33	1.17	.016	.000	16
17	.000	.000	.000	.000	.000	.071	3.97	2.69	7.06	1.06	.014	.000	17
18	.000	.000	.000	.000	.000	.695	4.88	2.28	5.81	1.04	.006	.000	18
19	.000	.000	.000	.000	.000	.975	3.23	1.98	4.21	1.03	.005	.000	19
20	.000	.000	.000	.000	.000	.866	2.40	2.60	3.38	.960	.005	.000	20
21	.000	.000	.000	.000	.000	.544	3.96	2.51	7.32	.937	.004	.000	21
22	.000	.000	.000	.000	.000	.307	2.02	2.36	39.7	.856	.000	.000	22
23	.000	.000	.000	.000	.116	.239	2.03	2.12	9.94	.776	.000	.000	23
24	.000	.000	.000	.000	.837	.330	3.15	2.11	8.63	.756	.000	.000	24
25	.000	.000	.000	.000	.120	1.32	2.35	3.17	8.25	.692	.000	.000	25
26	.000	.000	.000	.003	.010	.899	2.42	2.62	6.53	.627	.000	.000	26
27	.000	.000	.000	.005	.007	.628	6.19	2.86	5.36	.609	.000	.000	27
28	.000	.000	.000	.008	.154	.516	6.43	4.23	5.33	.554	.000	.000	28
29	.000	.000	.000	.010	.092	.736	5.77	3.69	6.79	.536	.000	.000	29
30	.000	.000	.000	.013	.010	1.77	18.4	3.47	4.82	.469	.000	.000	30
31	.000	.000	.000	.000	.000	.000	8.34	3.47	.395	.000	.000	.000	31
MO	.000	.000	.000	.430	.044	.358	5.07	4.64	5.87	1.44	.075	.011	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 74.3 M3/S LE 22 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 39.7 M3/S LE 22 SEPT

DESIT MOYEN ANNUEL : 1.50 M3/S

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1472707803 ATCHANGBADE LATIT. 9.28.00
 RIVIERE : KPAYA LONGIT. 1.07.00
 PAYS : TOGO ALTIT. 285M
 BASSIN : VOLTA AIRE 394.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.533	.000	.043	.421	13.6	12.8	1.18	.297	1
2	.000	.000	.000	.000	1.26	.000	.046	.452	8.87	8.86	1.13	.266	2
3	.000	.000	.000	.000	.391	.000	.067	.377	8.57	7.50	1.12	.266	3
4	.000	.000	.000	.000	.115	.000	.020	1.03	15.0	6.98	1.05	.266	4
5	.000	.000	.000	.000	.025	.000	.002	.583	22.4	6.43	1.04	.266	5
6	.000	.000	.000	.000	.010	.023	.000	1.13	12.8	6.74	1.03	.266	6
7	.000	.000	.000	.000	.004	.199	.000	.630	8.89	6.57	.953	.372	7
8	.000	.000	.000	.000	.000	.393	.000	.432	8.47	6.25	.941	.469	8
9	.000	.000	.000	.000	.000	.114	.002	.330	7.45	6.26	.861	.429	9
10	.000	.000	.000	.000	.000	.085	.258	.270	6.08	5.29	.863	.393	10
11	.000	.000	.000	.000	.000	.051	.591	.263	16.6	5.92	.943	.393	11
12	.000	.000	.000	.000	.000	.098	.286	.227	12.7	6.00	.948	.393	12
13	.000	.000	.000	.000	.000	.092	.338	.930	14.9	4.69	.948	.393	13
14	.000	.000	.000	.000	.000	.101	4.84	.736	9.88	4.08	.948	.393	14
15	.000	.000	.000	.000	.000	.024	2.78	.336	8.51	3.91	1.00	-	15
16	.000	.000	.000	.000	.000	.003	1.44	.212	9.84	4.04	1.04	-	16
17	.000	.000	.000	.000	.000	.000	1.11	.167	8.87	2.84	.985	-	17
18	.000	.000	.000	.000	.000	.000	.922	.161	8.02	5.72	.854	-	18
19	.000	.000	.000	.000	.000	.000	.750	.188	6.24	2.49	.765	-	19
20	.000	.000	.000	.000	.000	.000	.767	.432	5.27	1.96	.690	-	20
21	.000	.000	.000	.000	.000	.000	.613	1.53	5.49	2.22	.622	-	21
22	.000	.000	.000	.000	.000	.000	.507	.707	6.95	2.83	.612	-	22
23	.000	.000	.000	.000	.000	.000	.366	2.01	14.8	2.21	.543	-	23
24	.000	.000	.000	.000	.000	.000	.402	1.07	5.80	1.85	.473	-	24
25	.000	.000	.000	.000	.000	.000	.932	1.71	5.05	1.59	.429	-	25
26	.000	.000	.000	.166	.000	.000	1.40	1.35	5.10	1.53	.393	-	26
27	.000	.000	.000	1.38	.004	.000	1.54	1.00	5.53	1.52	.393	-	27
28	.000	.000	.000	.388	.031	.017	1.14	.896	5.56	1.46	.360	-	28
29	.000	.000	.000	.101	.003	.023	1.25	.856	24.9	1.37	.330	-	29
30	.000	.000	.000	.036	.000	.022	1.33	.962	24.2	1.30	.330	-	30
31	.000	.000	.000	.000	.000	.000	1.14	3.12	1.24	.000	.000	-	31
MO	.000	.000	.000	.069	.076	.041	.802	.791	10.5	4.34	.793	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 46.4 M3/S LE 29 SEPT A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 24.9 M3/S LE 29 SEPT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1985

STATION : 1472707803 ATCHANGBADE LATIT. 9.28.00
 RIVIERE : KPAYA LONGIT. 1.07.00
 PAYS : TOGO ALTIT. 285M
 BASSIN : VOLTA AIRE 394.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	-	-	-	10.5	5.62	.877	.222	1
2	-	-	-	-	-	-	-	-	11.0	16.3	.816	.208	2
3	-	-	-	-	-	-	-	-	18.5	47.3	.711	.186	3
4	-	-	-	-	-	-	-	-	14.3	16.1	.635	.185	4
5	-	-	-	-	-	-	-	-	16.3	14.0	.572	.185	5
6	-	-	-	-	-	-	-	-	12.3	10.3	.455	.172	6
7	-	-	-	-	-	-	-	-	11.8	7.71	.435	.158	7
8	-	-	-	-	-	-	-	-	10.2	5.99	.417	.136	8
9	-	-	-	-	-	-	-	-	11.1	4.91	.439	.133	9
10	-	-	-	-	-	-	-	-	25.1	4.30	.813	.111	10
11	-	-	-	-	-	-	-	-	24.6	3.74	.683	.110	11
12	-	-	-	-	-	-	-	-	14.2	3.94	.553	.110	12
13	-	-	-	-	-	-	-	-	10.9	3.54	.496	.102	13
14	-	-	-	-	-	-	-	-	12.4	2.96	.452	.095	14
15	-	-	-	-	-	-	-	-	12.4	2.52	.417	.093	15
16	-	-	-	-	-	-	-	-	29.6	2.35	.382	.080	16
17	-	-	-	-	-	-	-	-	19.4	2.01	.347	.080	17
18	-	-	-	-	-	-	-	-	11.3	1.78	.312	.080	18
19	-	-	-	-	-	-	-	-	18.4	1.66	.295	.078	19
20	-	-	-	-	-	-	-	-	28.7	1.58	.295	.065	20
21	-	-	-	-	-	-	-	-	18.3	1.49	.295	.065	21
22	-	-	-	-	-	-	-	-	12.8	1.29	.277	.057	22
23	-	-	-	-	-	-	-	-	11.5	1.17	.260	.050	23
24	-	-	-	-	-	-	-	-	10.3	1.16	.260	.050	24
25	-	-	-	-	-	-	-	-	27.8	1.05	.260	.044	25
26	-	-	-	-	-	-	-	-	12.9	.982	.260	.040	26
27	-	-	-	-	-	-	-	-	9.55	.928	.247	.035	27
28	-	-	-	-	-	-	-	-	10.3	.910	.235	.034	28
29	-	-	-	-	-	-	-	-	8.59	1.23	.235	.030	29
30	-	-	-	-	-	-	-	-	7.84	2.55	.235	.030	30
31	-	-	-	-	-	-	-	-	1.04			.030	31
M0	-	-	-	-	-	-	-	-	15.1	5.56	.432	.098	M0

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .030 M3/S LE 27 DECE A 17H00
 MAXIMUM INSTANTANE : 76.0 M3/S LE 3 OCTO A 06H00

MINIMUM JOURNALIER : .030 M3/S LE 29 DECE
 MAXIMUM JOURNALIER : 47.3 M3/S LE 3 OCTO

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1986

STATION : 1472707803 ATCHANGBADE LATIT. 9.28.00
 RIVIERE : KPAYA LONGIT. 1.07.00
 PAYS : TOGO ALTIT. 285M
 BASSIN : VOLTA AIRE 394.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.029	-	.000	.000	.000	.004	.034	1.39	14.2	7.99	5.71	.332	1
2	.020	-	.000	.000	.000	.006	.019	.941	10.0	6.06	3.47	.315	2
3	.020	-	.000	.000	.000	.007	.009	.740	7.86	6.28	2.49	.297	3
4	.020	-	.000	.000	.000	.034	.098	.548	9.09	11.7	2.82	.280	4
5	.020	-	.000	.000	.000	.572	1.05	.458	29.4	10.7	4.60	.262	5
6	.020	-	.000	.000	.000	.383	1.10	1.04	14.2	19.6	2.83	.245	6
7	.019	-	.000	.000	.000	.511	.720	3.08	21.2	13.9	2.44	.227	7
8	.010	-	.000	.000	.000	.037	.449	2.83	88.1	10.8	2.30	.210	8
9	.010	-	.000	.000	.000	.080	1.13	2.02	20.5	8.61	2.03	.208	9
10	.010	-	.000	.000	.000	.239	1.08	1.89	16.2	7.12	1.81	.187	10
11	.010	-	.000	.000	.000	.148	.568	2.75	14.9	6.12	1.55	.186	11
12	.008	-	.000	.000	.000	.143	.459	1.72	31.8	5.37	1.36	.186	12
13	.008	-	.000	.000	.000	.091	.579	2.14	31.3	4.22	1.30	.186	13
14	.006	-	.000	.000	.000	.185	.434	4.53	16.8	4.31	1.18	.174	14
15	.006	-	.000	.000	.000	.258	.384	3.13	16.2	3.47	1.07	.163	15
16	.006	-	.000	.000	.000	.162	.434	3.02	13.0	3.16	.936	.163	16
17	.005	-	.000	.000	.000	.103	.622	8.47	11.0	2.89	.885	.163	17
18	.004	-	.000	.000	.000	.073	.365	7.91	8.13	2.59	.770	.161	18
19	.004	-	.000	.000	.000	.064	.266	7.43	8.22	2.56	.733	.140	19
20	.004	-	.000	.000	.000	.051	.325	5.81	13.6	2.42	.698	.139	20
21	.003	-	.000	.000	.000	.072	1.28	4.48	51.2	2.11	.665	.139	21
22	.002	-	.000	.000	.031	.088	1.78	4.46	16.7	2.03	.660	.139	22
23	.002	-	.000	.000	.258	.097	1.77	3.43	11.7	1.96	.597	.139	23
24	.001	-	.000	.000	.084	.052	1.43	11.1	10.7	1.75	.530	.137	24
25	.000	-	.000	.000	.109	.080	1.09	24.2	20.4	1.63	.488	.116	25
26	.000	-	.000	.000	.073	.112	.992	37.4	13.4	1.71	.462	.115	26
27	.000	-	.000	.000	.026	.113	.752	14.0	9.39	2.07	.440	.115	27
28	.000	-	.000	.000	.023	.080	.634	16.6	6.91	3.32	.417	.115	28
29	.000	-	.000	.000	.010	.071	.507	25.4	11.7	4.14	.395	.115	29
30	.000	-	.000	.000	.007	.050	.417	13.0	10.3	2.63	.372	.107	30
31	.000	-	.000	.004			.530	10.1		2.71		.098	31
M0	.008	-	.000	.000	.020	.132	.687	7.29	18.6	5.35	1.53	.179	M0

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 25 JANV A 06H00
 MAXIMUM INSTANTANE : 152. M3/S LE 8 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 26 JANV
 MAXIMUM JOURNALIER : 88.1 M3/S LE 8 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1472707803 ATCHANGBADE
 RIVIERE : KPAYA
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 9.28.00
 LONGIT. 1.07.00
 ALTIT. 285M
 AIRE 394.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.098	-	.000	.044	.000	3.46	.450	3.61	54.7	7.13	2.22	-	1
2	.098	-	.000	.463	.000	1.14	.518	3.36	17.7	5.55	2.00	-	2
3	.098	-	.000	.285	.000	.237	1.76	7.94	26.2	5.05	1.86	-	3
4	.098	-	.000	.155	.000	.128	1.23	5.39	18.0	4.52	1.72	-	4
5	.094	-	.000	.112	.000	6.22	.497	6.54	31.8	5.05	1.59	-	5
6	.083	-	.000	.094	.000	2.34	.416	10.1	16.4	17.4	1.45	-	6
7	.082	-	.000	.078	.000	.499	1.53	6.90	15.4	28.1	1.33	-	7
8	.082	-	.000	.062	.000	.266	2.31	5.08	12.7	16.1	1.26	-	8
9	.082	.000	.000	.047	.000	.510	2.28	3.96	17.0	10.9	1.32	-	9
10	.077	.000	.000	.037	.000	2.57	1.00	4.66	11.0	10.4	1.39	-	10
11	.066	.000	.000	.030	.000	1.21	.542	10.9	8.67	11.2	1.15	-	11
12	.066	.000	.000	.027	.000	.430	.496	5.40	11.1	15.0	1.06	-	12
13	.066	.000	.000	.020	.000	.292	.556	3.09	9.61	9.70	.935	-	13
14	.066	.000	.000	.017	.000	.464	.596	9.29	12.9	9.52	.787	-	14
15	.066	.000	.000	.010	.000	1.35	1.29	10.0	13.0	9.02	.716	-	15
16	.066	.000	.000	.010	.000	.480	1.05	6.75	19.8	8.46	.648	-	16
17	.066	.000	.000	.009	.000	.490	.772	10.9	13.3	10.1	.581	-	17
18	.066	.000	.000	.006	.000	1.21	.798	7.74	12.1	7.97	.519	-	18
19	.066	.000	.000	.007	.000	.429	1.52	5.90	9.44	6.73	.474	-	19
20	.066	.000	.000	.016	.000	.866	4.29	10.7	10.8	6.35	.429	-	20
21	.061	.000	.000	.008	.000	2.12	23.5	7.92	8.82	5.99	.384	-	21
22	.050	.000	.000	.005	.000	.647	3.98	13.5	7.52	5.29	.351	-	22
23	.050	.000	.000	.004	.000	.358	2.24	9.89	7.61	4.84	.350	-	23
24	.050	.000	.000	.002	.000	.264	5.64	14.5	6.86	4.61	.350	-	24
25	.049	.000	.000	.001	.000	.245	4.28	54.6	6.69	4.01	.340	-	25
26	.045	.000	.000	.000	.001	.247	2.74	30.7	7.63	3.50	.316	-	26
27	.042	.000	.000	.000	.004	.621	2.52	11.9	5.69	3.53	.305	-	27
28	.037	.000	.000	.000	.001	.438	5.60	16.1	6.03	3.15	.271	-	28
29	.030		.000	.000	.000	.592	8.36	42.0	11.9	2.71	.246	-	29
30	.030		.000	.000	.002	.524	6.24	19.9	7.13	2.57	-	-	30
31	.030		.000		.020		4.80	20.6		2.43		-	31
MO	.065	-	.000	.051	.001	1.02	3.03	12.2	13.9	7.96	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 9 FEVR A 00H00
 MAXIMUM INSTANTANE : 97.4 M3/S LE 1 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 9 FEVR
 MAXIMUM JOURNALIER : 54.7 M3/S LE 1 SEPT

GENERALITES

- superficie du bassin versant.....: 417 Km²
- coordonnées de la station: 09°38'N - 00°57'E
- cote du zero de l'échelle: 190 m. (IGN) environ
- amplitude de l'échelle: 0 à 11.00 m.
- accès: Pont métallique sur l'ancienne route KARA-KANTE
- date de création: 12.12.1961
- cadence des relevés: 1 relevé par jour
Limnigrammes depuis 20.03.82

TARAGE

- nombre de jaugeages au 31.12.87: 125
- maximum jaugé: H = 270 CM
Q = 146 M³/S.
date : 07.09.1971
- nombre de tarages entre 1983 et 1987: 03
- dernier étalonnage utilisé :
valide du 01.01.1986 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	00000	090	4.950
033	00000	100	7.750
035	0.004	110	11.10
040	0.025	120	14.90
045	0.086	140	23.60
050	0.211	150	33.30
055	0.400	180	43.90
060	0.670	210	61.80
065	1.040	230	76.10
070	1.520	270	111.0
080	2.840	310	156.0
085	3.790	350	211.0
		400	294.0

REMARQUE

- debits relatifs aux limnigrammes, complétés par des lectures d'échelle.

STATION : 1472708103 KPESSIDE 1

RIVIERE : KPELOU

PRYS : TOGO

BASSIN : VOLTA

DEBITS EN M³/S

LATIT. 9.38.00

LONGIT. 0.57.00

ALTIT. 190M

AIRE 417.000 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1962	+	+	.013	.331	-	-	20.8	30.6	31.2	21.5	6.89	1.02	-
1963	.167	.044	.048	.134	.149	1.14	13.8	-	-	-	-	-	-
1964	-	.020	.099	2.30	1.34	2.79	10.8	11.1	35.7	6.67	1.34	.133	-
1965	.082	-	.000	.065	1.38	4.98	8.00	14.2	13.8	4.02	.313	.011	-
1966	-	.000	.000	.038	.804	4.09	6.58	36.5	16.0	18.8	-	-	-
1967	-	-	.273	-	.654	2.65	12.5	26.6	35.8	19.7	1.43	.817	-
1968	-	.003	.009	.954	2.12	14.3	21.6	16.0	23.7	10.9	3.16	.323	-
1969	-	.006	.000	-	.074	.181	18.1	-	34.9	-	8.55	.306	-
1970	.063	.014	.005	.000	.245	.223	4.98	-	37.4	6.65	.271	.033	-
1971	.013	.005	.259	-	.269	1.57	30.7	29.7	25.3	-	-	-	-
1972	.010	.002	.003	.027	.728	1.93	13.8	19.4	17.2	11.2	.805	.158	5.44
1973	-	-	.000	-	-	.578	2.17	23.4	28.0	9.66	.426	.031	-
1974	.009	.004	.000	.031	.147	2.25	12.1	24.3	45.8	11.9	3.01	-	-
1975	.032	.027	.029	-	.773	1.28	21.1	-	27.0	10.2	.583	.168	-
1976	-	.011	.002	-	.249	10.3	24.8	24.3	13.1	13.1	1.63	.266	-
1977	-	.005	.000	.005	.245	2.06	-	-	17.9	-	-	-	-
1978	-	.017	.064	.309	1.72	-	33.0	34.3	-	-	-	-	-
1979	-	-	-	.011	-	.823	12.6	20.7	35.0	-	2.52	.230	-
1980	.114	.012	.000	.000	.188	.821	.682	5.09	-	5.97	1.64	.209	-
1981	-	.000	.000	.225	.440	3.32	-	16.7	15.9	6.20	-	.082	-
1982	.001	.000	.001	.051	1.40	2.08	6.02	4.82	20.2	9.06	5.95	.325	4.16
1983	.061	.030	.001	.008	.040	.973	6.14	6.63	7.29	1.76	.221	.084	1.94
1984	.030	-	-	-	-	-	2.99	10.3	17.4	10.9	.774	-	-
1985	-	.009	-	.007	.923	.770	7.05	17.9	15.4	7.42	.315	-	-
1986	.012	.005	.001	.000	.472	.741	2.07	19.4	19.2	9.26	1.68	.175	4.42
1987	.071	-	.006	.033	.014	.109	7.41	14.0	16.0	13.5	.966	.218	-
MOY.	.051	.011	.035	.238	.653	2.61	12.2	19.3	23.9	10.4	2.12	.255	3.99

DEBITS MOYENS JOURNALIERS ANNEE 1983

STATION : 1472708103 KPESSIDE LATIT. 9.38.00
 RIVIERE : KPELOU LONGIT. 0.57.00
 PAYS : TOGO ALTIT. 190 M
 BASSIN : VOLTA AIRE 417 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.122	.055	.012	.001	.000	.138	.356	12.2	2.41	4.50	.415	.091	1
2	.110	.052	.011	.016	.000	.157	.341	8.77	2.06	3.96	.414	.091	2
3	.104	.049	.007	.043	.015	1.02	1.27	8.38	1.81	3.89	.403	.091	3
4	.091	.052	.003	.037	.051	1.75	1.63	8.24	1.70	7.77	.377	.091	4
5	.091	.047	.000	.030	.045	.606	4.17	5.93	1.56	5.18	.376	.085	5
6	.091	.045	.000	.022	.040	.178	7.00	8.89	3.96	3.59	.365	.073	6
7	.085	.040	.000	.017	.039	.100	4.03	10.7	4.81	2.72	.339	.073	7
8	.073	.039	.000	.017	.039	.074	3.34	7.06	14.3	2.05	.327	.073	8
9	.073	.039	.000	.015	.037	3.43	2.95	6.46	5.34	1.32	.292	.083	9
10	.067	.039	.000	.012	.032	1.17	2.54	4.91	3.34	1.29	.261	.108	10
11	.055	.039	.000	.012	.032	.538	2.19	12.8	2.69	1.99	.239	.109	11
12	.055	.039	.000	.012	.032	.378	2.72	20.0	2.51	1.62	.229	.104	12
13	.055	.039	.000	.010	.034	.341	1.83	14.8	2.34	1.37	.208	.091	13
14	.052	.039	.000	.003	.039	.369	22.3	9.19	2.26	1.09	.207	.091	14
15	.047	.037	.000	.000	.039	.447	10.4	6.17	7.14	.904	.198	.091	15
16	.047	.030	.000	.000	.039	.449	6.06	5.01	4.55	.810	.177	.091	16
17	.045	.022	.000	.000	.039	.874	19.0	4.30	11.9	.671	.167	.091	17
18	.040	.017	.000	.000	.039	.694	9.54	3.61	9.14	.718	.146	.091	18
19	.039	.017	.000	.000	.041	2.57	5.77	3.59	5.76	1.08	.140	.091	19
20	.039	.017	.000	.000	.059	2.42	4.02	5.10	4.36	.976	.128	.091	20
21	.039	.015	.000	.000	.084	1.11	3.19	5.59	4.30	.920	.127	.091	21
22	.039	.012	.000	.000	.073	.697	2.75	3.47	25.2	.897	.127	.091	22
23	.039	.012	.000	.000	.065	.458	2.47	2.98	16.1	.826	.127	.091	23
24	.041	.011	.000	.000	.046	1.29	3.53	2.67	13.4	.741	.127	.091	24
25	.047	.008	.000	.000	.040	3.89	2.63	2.42	23.2	.646	.127	.091	25
26	.047	.007	.000	.000	.039	1.68	2.05	2.69	13.0	.588	.127	.085	26
27	.047	.004	.000	.000	.041	.844	3.97	5.74	9.01	.548	.122	.058	27
28	.047	.006	.000	.000	.045	.571	4.33	5.25	7.71	.530	.110	.055	28
29	.047	.000	.000	.000	.040	.509	6.95	3.02	7.16	.492	.109	.055	29
30	.049	.000	.000	.000	.037	.441	24.0	3.07	5.44	.479	.104	.055	30
31	.054	.000	.000	.034	.000	.000	23.1	2.64	.000	.443	.000	.055	31
MO	.061	.030	.001	.008	.040	.973	6.14	6.63	7.29	1.76	.221	.084	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 05/03 A 06H00

MAXIMUM INSTANTANE : 96.9 M3/S LE 30/07 A 19H38

MINIMUM JOURNALIER : .000 M3/S LE 06/03

MAXIMUM JOURNALIER : 25.2 M3/S LE 22/09

DEBIT MOYEN ANNUEL : 1.95 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1472708103 KPESSIDE LATIT. 9.38.00
 RIVIERE : KPELOU LONGIT. 0.57.00
 PAYS : TOGO ALTIT. 190 M
 BASSIN : VOLTA AIRE 417 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.067	.000	-	-	-	-	.096	6.70	44.1	18.6	1.64	.214	1
2	.055	.000	-	-	-	-	.108	8.03	18.2	11.2	1.52	.204	2
3	.055	.000	-	-	-	-	.109	6.72	11.5	54.5	1.36	.182	3
4	.055	.000	-	-	-	-	.109	14.7	57.7	33.4	1.27	.172	4
5	.055	.000	-	-	-	-	.104	15.6	26.9	23.8	1.19	.150	5
6	.055	.000	-	-	-	-	.303	30.1	21.1	20.3	1.11	.144	6
7	.055	.000	-	-	-	-	.323	8.23	18.7	15.5	.949	.131	7
8	.055	.000	-	-	-	.453	2.11	4.89	17.4	10.1	.889	.130	8
9	.055	.000	-	-	-	.336	1.94	25.5	18.7	11.3	.825	-	9
10	.055	.000	-	-	-	.167	1.03	14.8	16.2	9.22	.763	.111	10
11	.055	.000	-	-	-	.226	.883	6.94	10.1	8.84	.748	.105	11
12	.055	.000	-	-	-	.199	.661	15.6	23.4	25.1	.734	.092	12
13	.052	.000	-	-	-	.168	.568	14.1	34.1	9.49	.841	.086	13
14	.045	.000	-	-	-	.146	.485	6.89	15.6	7.62	1.10	.072	14
15	.040	.000	-	-	-	.140	1.70	4.72	12.4	6.27	.926	.072	15
16	.037	.000	-	-	-	.128	.602	5.25	8.10	5.56	.789	.072	16
17	.030	.000	-	-	-	.127	.657	5.26	19.8	4.26	.748	.072	17
18	.021	.000	-	-	-	.122	.673	3.92	17.7	7.84	.695	.072	18
19	.012	.000	-	-	-	.110	.532	10.5	10.0	4.65	.645	.066	19
20	.008	.000	-	-	-	.104	.441	4.10	8.40	6.29	.610	.053	20
21	.008	.000	-	-	-	.091	.607	4.10	12.4	11.8	.589	.053	21
22	.007	.000	-	-	-	.101	.864	9.69	6.67	6.08	.567	.053	22
23	.003	.000	-	-	-	.121	.741	4.40	7.81	4.83	.555	.053	23
24	.000	.000	-	-	-	.110	.734	3.24	6.32	3.93	.443	.053	24
25	.000	-	-	-	-	.109	1.33	8.69	4.48	3.19	.382	.053	25
26	.000	-	-	-	-	.104	3.34	26.3	3.69	2.76	.304	.053	26
27	.000	-	-	-	-	.107	38.5	10.3	6.18	2.54	.279	.050	27
28	.000	-	-	-	-	.138	7.29	6.70	9.63	2.35	.269	.044	28
29	.000	-	-	-	-	.117	6.15	6.71	29.1	2.04	.247	.044	29
30	.000	-	-	-	-	.092	9.38	6.07	26.5	1.85	.237	.044	30
31	.000	-	-	-	-	.000	10.4	19.8	.000	1.74	.000	.044	31
MO	.030	-	-	-	-	-	2.99	10.3	17.4	10.9	.774	-	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 24/01 A 06H00

MAXIMUM INSTANTANE : 132. M3/S LE 04/09 A 09H36

MINIMUM JOURNALIER : .000 M3/S LE 25/01

MAXIMUM JOURNALIER : 57.7 M3/S LE 04/09

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1472708103 KPESSIDE LATIT. 9.38.00
 RIVIERE : KPELOU LONGIT. 0.57.00
 PAYS : TOGO ALTIT. 190 M
 BASSIN : VOLTA AIRE 417 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.018	.009	.006	1.49	.853	.629	6.80	12.5	13.7	.859	.204	1
2	.044	.017	.009	.006	4.05	2.15	2.51	6.41	11.1	21.5	.848	.182	2
3	.044	.015	.009	.006	1.39	.973	11.1	5.04	8.12	41.3	.837	.172	3
4	.041	.009	.009	.006	.649	.574	32.5	3.43	13.7	41.5	.826	.145	4
5	.035	.009	-	.006	.278	.369	14.1	3.99	14.6	22.5	.339	.125	5
6	.035	.009	-	.006	.181	.233	7.74	11.1	26.8	15.1	.272	.106	6
7	.035	.009	.009	.006	.216	.183	15.4	12.8	22.8	10.9	.247	.092	7
8	.035	.009	.008	.006	.125	.167	11.5	7.34	14.3	7.94	.219	.080	8
9	.035	.009	.006	.006	.334	.132	6.32	11.9	26.4	6.86	.147	.051	9
10	.032	.009	.006	.006	.873	.125	8.42	28.4	18.9	7.56	.223	.044	10
11	.026	.009	.006	.005	.529	.122	15.3	27.0	13.1	5.59	.433	.041	11
12	.026	.009	.006	.003	.385	.567	12.0	16.9	12.1	4.46	.410	.035	12
13	.026	.009	.006	.003	.368	.962	6.66	41.3	8.91	3.40	.408	.035	13
14	.026	.009	.006	.007	.445	.512	15.5	23.4	7.34	2.99	.394	.032	14
15	.026	.009	.006	.017	.280	.215	9.70	30.8	9.09	2.62	.347	.026	15
16	.026	.009	.006	.017	.171	.134	6.66	23.6	6.51	2.32	.303	.026	16
17	.026	.009	.006	.017	.126	.113	5.04	21.9	32.1	2.09	.270	.026	17
18	.026	.009	.006	.017	4.70	.116	4.39	14.0	33.3	1.91	.238	.029	18
19	.026	.009	.006	.017	2.12	.193	4.03	12.6	34.3	1.77	.205	.040	19
20	.026	.009	.006	.017	.716	1.90	3.04	20.2	20.3	1.69	.173	.052	20
21	.026	.009	.006	.017	.407	1.28	2.61	14.3	14.4	1.68	.145	.053	21
22	.026	.009	.006	.017	.225	1.65	2.25	11.2	9.75	1.48	.125	.053	22
23	.026	.009	.006	.013	1.60	1.08	1.97	20.7	8.97	1.30	.106	.053	23
24	.026	.009	.006	.002	4.00	.684	2.23	19.4	16.7	1.15	.086	.053	24
25	.026	.009	.006	.000	1.19	.457	2.31	24.3	10.0	1.02	.067	.053	25
26	.026	.009	.006	.000	.457	.408	2.26	35.0	14.4	.948	.053	.050	26
27	.026	.009	.006	.000	.227	.533	2.92	31.6	8.92	.921	.125	-	27
28	.026	.009	.006	.000	.225	4.16	2.04	23.7	12.6	.894	.284	-	28
29	.026	.009	.006	.000	.372	1.38	2.50	15.5	11.4	1.00	.239	-	29
30	.026	.009	.006	.000	.286	.863	1.95	15.7	9.09	.909	.214	-	30
31	.024	.006	.006	.193	2.78	14.6	.870	-	-	-	-	-	31
MO	-	.009	-	.007	.923	.770	7.05	17.9	15.4	7.42	.315	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 25/04 A 06H00
 MAXIMUM INSTANTANE : 162. M3/S LE 13/06 A 16H00

MINIMUM JOURNALIER : .000 M3/S LE 26/04
 MAXIMUM JOURNALIER : 41.5 M3/S LE 04/10

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472708103 KPESSIDE LATIT. 9.38.00
 RIVIERE : KPELOU LONGIT. 0.57.00
 PAYS : TOGO ALTIT. 190 M
 BASSIN : VOLTA AIRE 417 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.016	.008	.002	.000	.000	.484	.729	9.05	41.0	7.07	5.07	.351	1
2	.016	.008	.002	.000	.000	.501	.818	5.44	26.4	5.52	4.00	.325	2
3	.016	.008	.002	.000	.000	.519	.818	3.38	16.7	4.85	2.51	.324	3
4	.016	.008	.002	.000	.010	.536	.818	1.75	26.6	34.7	2.41	.314	4
5	.016	.008	.002	.000	.214	.554	.818	1.22	38.0	40.5	4.15	.277	5
6	.016	.008	.002	.000	.521	.510	.818	1.14	19.4	58.3	2.30	.240	6
7	.016	.008	.002	.000	.211	2.36	1.11	13.7	14.2	26.7	1.93	.212	7
8	.016	.008	.003	.000	.141	1.45	1.43	19.2	26.0	14.3	2.10	.204	8
9	.016	.008	.004	.000	.458	.822	6.23	7.33	28.7	11.8	5.74	.187	9
10	.015	.008	.004	.000	1.07	.603	2.97	7.91	26.2	12.1	2.70	.179	10
11	.012	.008	.004	.000	1.51	.549	1.40	12.1	16.2	8.25	2.11	.162	11
12	.012	.007	.003	.000	.687	.536	9.09	6.22	19.0	5.66	1.66	.154	12
13	.012	.004	.002	.000	.562	.524	6.31	4.88	11.0	5.85	1.51	.137	13
14	.012	.004	.002	.000	.561	.577	3.33	11.7	18.5	6.04	1.28	.136	14
15	.012	.004	.002	.000	.556	.783	2.64	11.0	22.2	3.81	1.14	.136	15
16	.012	.004	.002	.000	.551	.688	3.52	5.94	11.6	3.11	1.01	.136	16
17	.012	.004	.001	.000	.546	.495	3.88	9.33	11.1	2.62	.858	.136	17
18	.011	.004	.000	.000	.541	.454	2.62	7.61	15.7	2.20	.818	.136	18
19	.008	.004	.000	.000	.536	.454	1.90	16.3	13.4	2.15	.818	.136	19
20	.008	.004	.000	.000	.531	.454	1.57	10.9	9.05	2.26	.779	.136	20
21	.008	.004	.000	.000	.525	.476	1.40	9.06	31.3	2.05	.744	.136	21
22	.008	.004	.000	.000	.520	.508	1.16	23.6	17.4	2.09	.740	.136	22
23	.008	.004	.000	.000	.515	.873	.978	99.4	10.5	1.55	.672	.136	23
24	.008	.004	.000	.000	.510	.896	.991	46.1	16.3	1.53	.602	.136	24
25	.008	.004	.000	.000	.508	.633	1.01	39.8	23.5	1.40	.562	.136	25
26	.009	.003	.000	.000	.508	.691	1.03	36.5	20.9	1.88	.529	.136	26
27	.012	.002	.000	.000	.491	1.41	1.02	32.1	11.7	1.88	.494	.136	27
28	.012	.002	.000	.000	.464	1.17	.978	25.0	10.2	4.74	.456	.129	28
29	.012	.000	.000	.000	.454	.874	.933	30.4	11.5	3.60	.440	.112	29
30	.012	.000	.000	.000	.454	.830	.896	69.6	10.5	2.86	.402	.111	30
31	.011	.000	.000	.466	.988	24.3	5.68	.111	.111	.111	.111	.111	31
MO	.012	.005	.001	.000	.472	.741	2.07	19.4	19.2	9.26	1.68	.175	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 18/03 A 06H00
 MAXIMUM INSTANTANE : 259. M3/S LE 23/08 A 02H17

MINIMUM JOURNALIER : .000 M3/S LE 19/03
 MAXIMUM JOURNALIER : 99.4 M3/S LE 23/08

DEBIT MOYEN ANNUEL : 4.44 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472708103 KPESSIDE LATIT. 9.39.00
 RIVIERE : KPELOU LONGIT. 0.57.00
 PAYS : TOGO ALTIT. 190 M
 BASSIN : VOLTA AIRE 417 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.086	-	.034	.000	.011	.184	.217	1.17	27.6	23.4	3.27	.288	1
2	.086	-	.025	.000	.006	.124	.243	20.9	40.6	14.2	2.78	.287	2
3	.086	-	.025	.000	.001	.077	.372	57.9	23.9	12.2	2.48	.287	3
4	.086	-	.025	.000	.000	.047	.472	25.1	21.1	10.4	2.12	.287	4
5	.082	-	.022	.000	.000	.034	.372	10.6	15.7	8.13	1.82	.287	5
6	.074	-	.013	.000	.000	.042	.269	7.38	15.7	15.8	1.50	.287	6
7	.073	-	.003	.000	.000	.077	.384	9.23	12.3	26.0	1.37	.287	7
8	.073	-	.000	.000	.000	.062	.943	5.15	11.7	18.2	1.14	.287	8
9	.073	-	.000	.000	.000	.075	1.13	3.58	8.92	12.2	.861	.287	9
10	.073	-	.000	.000	.000	.099	.660	2.57	10.0	10.4	.728	.287	10
11	.073	-	.000	.000	.000	.099	.520	1.66	7.95	10.2	.657	.287	11
12	.073	-	.000	.000	.000	.144	.373	5.09	7.03	15.9	.603	.276	12
13	.073	-	.000	.000	.000	.102	.269	15.9	6.35	30.2	.564	.250	13
14	.073	.049	.000	.024	.001	.071	.213	18.5	5.51	15.3	.562	.249	14
15	.073	.049	.000	.083	.013	.062	.340	23.2	21.2	12.6	.592	.249	15
16	.073	.049	.000	.082	.032	.058	.580	19.2	29.1	10.0	.667	.249	16
17	.073	.049	.000	.074	.025	.049	.377	12.0	18.0	11.8	.670	.249	17
18	.073	.049	.000	.073	.025	.046	.269	21.9	11.0	29.7	.655	.249	18
19	.073	.049	.004	.073	.023	.034	.213	11.9	12.5	24.9	.618	.238	19
20	.073	.049	.016	.073	.020	.049	11.8	8.25	15.7	14.1	.616	.212	20
21	.070	.049	.015	.070	.020	.108	31.1	15.1	16.7	11.3	.601	.197	21
22	.062	.049	.011	.062	.019	.111	8.57	12.4	20.8	17.0	.549	.156	22
23	.061	.049	.007	.061	.016	.111	2.62	10.9	17.3	13.6	.510	.130	23
24	.061	.049	.004	.061	.016	.104	1.19	10.5	12.2	9.86	.508	.112	24
25	.061	.049	.003	.061	.016	.122	19.9	11.1	11.1	8.65	.508	.111	25
26	.061	.049	.002	.058	.019	.207	58.6	18.8	12.1	8.46	.493	.111	26
27	.061	.049	.001	.049	.024	.197	37.7	13.1	19.5	7.81	.441	.111	27
28	.061	.046	.000	.042	.025	.177	25.6	11.8	12.6	5.79	.402	.111	28
29	.061		.000	.023	.028	.263	14.1	10.0	15.0	4.37	.379	.111	29
30	.061		.000	.015	.033	.341	8.23	17.9	20.2	3.43	.316	.111	30
31	.061		.000		.077		2.20	22.8		3.23		.111	31
MO	.071	-	.006	.033	.014	.109	7.41	14.0	16.0	13.5	.966	.218	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 09/03 A 06H00
 MAXIMUM INSTANTANE : 93.6 M3/S LE 31/08 A 22H01

MINIMUM JOURNALIER : .000 M3/S LE 09/03
 MAXIMUM JOURNALIER : 58.6 M3/S LE 26/07

LAKTAON A BARKOISSI

N° 1472708403

GENERALITES

- superficie du bassin versant.....: 190 Km²
- coordonnées de la station: 10°32'N - 00°19'E
- cote du zero de l'échelle: 145 m. (IGN) environ
- amplitude de l'échelle: 0 à 5.00 m.
- accès: Pont sur l'ancienne route
MANGO-DAPAONG à BARKOISSI
- date de création: 15.01.1962
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 122
- maximum jaugé: H = 348 CM
Q = 22.5 M³/S
date : 30.08.1963
- nombre de tarages entre 1983 et 1987: 2
- dernier étalonnage utilisé :
valide du 23.09.1984 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
050	0.0000	100	1.570
060	0.0000	120	2.090
065	0.015	140	2.700
070	0.052	160	3.410
075	0.100	180	4.230
080	0.154	200	5.230
090	0.279	240	7.820
100	0.424	280	11.50
110	0.572	320	16.10
120	0.817	360	21.90
130	1.120	400	27.70

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1472708403 BARKOISSI

RIVIERE : LAKTAON

PAYS : TOGO

BASSIN : VOLTA

DEBITS EN M³/S

LATIT. 10.32.00

LONGIT. 0.19.00

ALTIT. 145M

AIRE 190.000 KM2

ANNEE	JANV	FEBV	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1962	-	-	-	-	-	-	-	4.19	8.21	3.09	.692	.249	-
1963	.083	.025	-	.042	-	-	2.75	8.82	4.98	4.66	-	-	-
1964	.131	-	.062	-	-	-	.358	3.14	8.97	2.45	.460	.213	-
1965	.141	-	-	-	-	-	-	-	-	-	-	-	-
1966	-	-	-	-	.000	.015	-	3.30	3.35	1.79	.518	.017	-
1967	.000	.000	-	-	-	-	-	3.71	8.90	2.94	.473	.131	-
1968	-	.021	.013	.002	.000	.082	9.58	-	-	-	-	-	-
1969	-	-	.000	-	-	-	-	-	11.5	1.98	.431	.175	-
1970	.141	-	-	-	-	-	-	1.21	-	-	-	-	-
1971	.108	.056	.030	.016	-	.029	.197	6.47	4.52	.911	.130	.137	-
1972	.060	.042	.037	.014	.000	.000	.011	.822	4.36	1.52	.210	.058	.595
1973	.030	.002	.000	-	-	-	.529	4.46	3.22	.919	.231	.084	-
1974	.015	-	-	.000	.000	.000	.232	5.49	7.94	2.05	.475	.119	-
1975	.039	.006	.001	.000	.165	.053	1.33	1.32	2.10	2.39	.501	.173	.673
1976	.077	.035	.012	-	.029	.060	.047	.610	.581	.505	.365	.077	-
1977	.028	.005	.000	.000	.000	.000	.159	2.44	1.58	.627	-	-	-
1978	-	.000	.000	.000	.015	.356	.820	1.47	1.60	.529	.077	.008	-
1979	.009	.000	.000	.000	.087	.327	.524	5.83	10.5	2.13	.572	-	-
1980	.000	.000	.000	.000	.000	.017	-	-	-	-	.334	-	-
1981	-	-	-	.000	.000	.129	.214	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	.000	.000	.000	.000	.000	.000	.212	.458	2.50	.771	.364	.155	.372
1984	.032	.000	.000	.025	.149	.016	.008	.689	1.24	.291	.014	.002	.206
1985	.006	.000	.000	.000	.007	.000	.108	1.47	2.19	1.22	.318	.149	.456
1986	.072	-	.000	.000	.004	.255	.310	3.01	3.61	.656	.421	.100	-
1987	.040	.001	.000	.000	.000	1.29	.685	-	9.50	2.07	.399	.151	-
MOY.	.053	.012	.009	.006	.028	.155	1.00	3.12	5.06	1.68	.368	.118	.460

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472708403 BARKOISSI LATIT. 10.32.00
 RIVIERE : LAKTAON LONGIT. 0.19.00
 PAYS : TOGO ALTIT. 145M
 BASSIN : VOLTA AIRE 190.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.098	1.17	1.16	.433	.281	1
2	.000	.000	.000	.000	.000	.000	.000	.085	2.37	1.41	.433	.265	2
3	.000	.000	.000	.000	.000	.000	.000	.085	2.43	1.46	.433	.248	3
4	.000	.000	.000	.000	.000	.000	.000	.085	2.89	1.35	.433	.234	4
5	.000	.000	.000	.000	.000	.000	.000	.086	1.99	1.24	.431	.230	5
6	.000	.000	.000	.000	.000	.000	.000	.160	1.05	1.17	.416	.217	6
7	.000	.000	.000	.000	.000	.000	.000	.629	.864	1.10	.400	.213	7
8	.000	.000	.000	.000	.000	.000	.000	.348	.832	1.03	.398	.202	8
9	.000	.000	.000	.000	.000	.000	.000	.162	.799	.975	.398	.198	9
10	.000	.000	.000	.000	.000	.000	.000	.098	.873	.905	.394	.188	10
11	.000	.000	.000	.000	.000	.000	.000	.087	.824	.851	.368	.184	11
12	.000	.000	.000	.000	.000	.000	.000	.461	.881	.815	.364	.171	12
13	.000	.000	.000	.000	.000	.000	.000	.760	.950	.780	.362	.157	13
14	.000	.000	.000	.000	.000	.000	.029	.637	1.80	.744	.349	.144	14
15	.000	.000	.000	.000	.000	.000	.344	.376	4.88	.709	.347	.142	15
16	.000	.000	.000	.000	.000	.000	.194	.274	17.6	.673	.347	.141	16
17	.000	.000	.000	.000	.000	.000	.152	.213	13.4	.645	.347	.132	17
18	.000	.000	.000	.000	.000	.000	.191	.334	4.93	.607	.347	.131	18
19	.000	.000	.000	.000	.000	.000	.324	.275	2.19	.571	.347	.130	19
20	.000	.000	.000	.000	.000	.000	.364	.213	1.76	.539	.347	.121	20
21	.000	.000	.000	.000	.000	.000	.277	.124	1.38	.506	.347	.118	21
22	.000	.000	.000	.000	.000	.000	.495	.121	1.30	.489	.345	.109	22
23	.000	.000	.000	.000	.000	.000	.474	.299	1.15	.487	.333	.108	23
24	.000	.000	.000	.000	.000	.000	.605	.249	.915	.487	.331	.107	24
25	.000	.000	.000	.000	.000	.000	.667	.195	.965	.485	.329	.097	25
26	.000	.000	.000	.000	.000	.000	.716	.186	.923	.471	.316	.096	26
27	.000	.000	.000	.000	.000	.000	.688	.309	.851	.469	.314	.096	27
28	.000	.000	.000	.000	.000	.000	.596	1.78	1.11	.467	.312	.095	28
29	.000	.000	.000	.000	.000	.000	.220	2.09	1.04	.451	.300	.086	29
30	.000	.000	.000	.000	.000	.000	.105	2.03	.909	.435	.296	.083	30
31	.000	.000	.000	.000	.000	.000	.138	1.34	.433	.075	.075	.075	31
MO	.000	.000	.000	.000	.000	.000	.212	.458	2.50	.771	.364	.155	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 18.9 M3/S LE 16 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 17.6 M3/S LE 16 SEPT

DEBIT MOYEN ANNUEL : .372 M3/S

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1472708403 BARKOISSI LATIT. 10.32.00
 RIVIERE : LAKTAON LONGIT. 0.19.00
 PAYS : TOGO ALTIT. 145M
 BASSIN : VOLTA AIRE 190.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.074	.000	.000	.000	.008	.031	.008	.008	3.08	1.16	.037	.006	1
2	.074	.000	.000	.000	.008	.166	.008	.008	3.67	1.06	.036	.005	2
3	.074	.000	.000	.000	.008	.053	.008	.008	2.20	.929	.023	.003	3
4	.074	.000	.000	.000	.008	.015	.008	1.63	1.64	.801	.022	.003	4
5	.070	.000	.000	.000	.008	.012	.008	1.07	1.35	.712	.022	.003	5
6	.063	.000	.000	.000	.008	.008	.008	.973	1.14	.636	.022	.003	6
7	.063	.000	.000	.000	.008	.008	.008	.714	1.17	.558	.022	.003	7
8	.059	.000	.000	.000	.008	.008	.008	.540	1.37	.498	.022	.003	8
9	.049	.000	.000	.000	.008	.008	.008	.416	1.23	.440	.022	.003	9
10	.038	.000	.000	.000	.008	.008	.008	.329	1.07	.394	.022	.003	10
11	.030	.000	.000	.000	.008	.008	.008	.228	1.00	.338	.022	.003	11
12	.028	.000	.000	.000	.008	.008	.008	.215	.978	.281	.021	.003	12
13	.025	.000	.000	.000	.008	.008	.008	.875	.887	.230	.012	.003	13
14	.026	.000	.000	.000	.008	.008	.008	.834	.809	.180	.012	.003	14
15	.027	.000	.000	.000	.008	.008	.008	.530	.865	.133	.012	.003	15
16	.020	.000	.000	.000	.008	.008	.008	.382	.803	.091	.011	.003	16
17	.017	.000	.000	.000	.008	.008	.008	.266	.701	.061	.006	.003	17
18	.017	.000	.000	.000	.008	.008	.008	.259	.593	.038	.006	.003	18
19	.017	.000	.000	.000	.008	.008	.008	.814	.484	.037	.006	.002	19
20	.017	.000	.000	.000	.008	.008	.008	1.06	.376	.037	.006	.000	20
21	.017	.000	.000	.031	.008	.008	.008	1.63	.402	.037	.006	.000	21
22	.017	.000	.000	.382	1.15	.008	.008	1.30	1.38	.037	.006	.000	22
23	.017	.000	.000	.229	.744	.008	.008	1.03	1.30	.037	.006	.000	23
24	.015	.000	.000	.061	.225	.008	.008	.770	1.20	.037	.006	.000	24
25	.012	.000	.000	.009	.055	.008	.008	.630	1.12	.037	.006	.000	25
26	.012	.000	.000	.008	.014	.008	.008	.511	1.11	.037	.006	.000	26
27	.012	.000	.000	.008	1.26	.008	.008	.527	1.27	.037	.006	.000	27
28	.012	.000	.000	.008	.766	.008	.008	1.21	1.35	.037	.006	.000	28
29	.009	.000	.000	.008	.195	.008	.008	.976	1.38	.037	.006	.000	29
30	.000	.000	.000	.008	.013	.008	.008	.831	1.26	.037	.006	.000	30
31	.000	.000	.000	.012	.008	.008	.787	.037	.037	.000	.000	.000	31
MO	.032	.000	.000	.025	.149	.016	.008	.689	1.24	.291	.014	.002	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 30 JANV A 06H00
 MAXIMUM INSTANTANE : 4.70 M3/S LE 1 SEPT A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 31 JANV
 MAXIMUM JOURNALIER : 3.67 M3/S LE 2 SEPT

DEBIT MOYEN ANNUEL : .206 M3/S

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1985

STATION : 1472708403 BARKOISSI
 RIVIERE : LAKTAON
 PAYS : TOGO
 BASSIN : VOLTA

LATIT. 10.32.00
 LONGIT. 0.19.00
 ALTIT. 145M
 AIRE 190.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.006	.004	.000	.000	.000	.000	.000	.228	1.96	2.64	.557	.193	1
2	.006	.003	.000	.000	.000	.000	.000	.232	1.81	2.54	.543	.192	2
3	.006	.003	.000	.000	.000	.000	.000	.270	1.65	2.42	.527	.186	3
4	.006	.003	.000	.000	.000	.000	.000	.249	1.68	2.28	.496	.179	4
5	.006	.003	.000	.000	.000	.000	.000	.237	1.78	2.09	.420	.179	5
6	.006	.002	.000	.000	.000	.000	.000	.438	1.70	1.95	.394	.179	6
7	.006	.000	.000	.000	.000	.000	.000	.607	1.52	1.85	.382	.178	7
8	.006	.000	.000	.000	.000	.000	.000	.831	1.41	1.81	.379	.168	8
9	.006	.000	.000	.000	.000	.000	.000	.777	1.33	1.52	.354	.166	9
10	.006	.000	.000	.000	.000	.000	.000	.743	1.26	1.44	.352	.155	10
11	.006	.000	.000	.000	.000	.000	.000	.710	1.21	1.41	.352	.154	11
12	.006	.000	.000	.000	.000	.000	.000	1.43	1.28	1.38	.345	.154	12
13	.006	.000	.000	.000	.000	.000	.005	1.97	1.70	1.33	.334	.154	13
14	.006	.000	.000	.000	.000	.000	.006	2.26	1.85	1.22	.297	.154	14
15	.006	.000	.000	.000	.000	.000	.006	2.26	1.89	1.09	.281	.154	15
16	.006	.000	.000	.000	.000	.000	.006	2.25	2.02	.990	.266	.153	16
17	.006	.000	.000	.000	.011	.000	.006	2.24	2.34	.917	.255	.144	17
18	.006	.000	.000	.000	.112	.000	.006	2.17	2.77	.838	.254	.143	18
19	.006	.000	.000	.000	.039	.000	.011	1.90	3.43	.770	.254	.142	19
20	.006	.000	.000	.000	.012	.000	.022	1.74	4.24	.750	.253	.133	20
21	.006	.000	.000	.000	.010	.000	.064	1.56	3.76	.705	.243	.132	21
22	.006	.000	.000	.000	.005	.000	.024	1.41	3.15	.668	.242	.132	22
23	.006	.000	.000	.000	.012	.000	.268	1.31	2.87	.623	.241	.132	23
24	.006	.000	.000	.000	.006	.000	.464	1.25	2.64	.620	.230	.131	24
25	.006	.000	.000	.000	.006	.000	.433	1.34	2.31	.598	.228	.123	25
26	.006	.000	.000	.000	.005	.000	.429	2.79	2.14	.580	.218	.122	26
27	.006	.000	.000	.000	.000	.000	.404	2.84	1.92	.572	.217	.122	27
28	.006	.000	.000	.000	.000	.000	.366	2.72	2.17	.572	.216	.122	28
29	.006	.000	.000	.000	.000	.000	.321	2.61	3.10	.572	.205	.117	29
30	.006	.000	.000	.000	.000	.000	.273	2.17	2.85	.565	.203	.111	30
31	.006		.000		.000		.237	2.06		.557		.111	31
MO	.006	.000	.000	.000	.007	.000	.108	1.47	2.19	1.22	.318	.149	MO

- : lacune + : lacune due à une cote hors bareme

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 7 FEVR A 07H00
 MAXIMUM INSTANTANE : 4.63 M3/S LE 20 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 9 FEVR
 MAXIMUM JOURNALIER : 4.24 M3/S LE 20 SEPT

DEBIT MOYEN ANNUEL : .456 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1472708403 BARKOISSI
 RIVIERE : LAKTAON
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.32.00
 LONGIT. 0.19.00
 ALTIT. 145M
 AIRE 190.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.111	-	.000	.000	.000	.000	.031	9.20	1.41	1.42	1.38	.166	1
2	.111	-	.000	.000	.000	.000	.019	13.8	4.81	1.31	1.29	.154	2
3	.106	-	.000	.000	.000	.000	.014	5.10	12.3	1.17	1.11	.143	3
4	.100	-	.000	.000	.000	.000	.043	2.85	7.28	1.07	.968	.133	4
5	.099	-	.000	.000	.000	2.78	.038	2.64	5.59	1.07	.801	.131	5
6	.091	-	.000	.000	.000	.797	.033	9.75	4.46	1.00	.625	.123	6
7	.090	-	.000	.000	.000	.185	.030	5.18	3.63	.909	.426	.122	7
8	.089	-	.000	.000	.000	.096	.033	3.34	3.17	.848	.388	.121	8
9	.081	-	.000	.000	.000	.095	.029	2.44	2.88	.817	.360	.112	9
10	.080	-	.000	.000	.000	.527	.033	2.11	4.82	.761	.351	.111	10
11	.080	-	.000	.000	.000	.212	.037	3.73	4.99	.727	.337	.111	11
12	.071	-	.000	.000	.000	.017	.033	2.52	4.62	.687	.323	.110	12
13	.071	-	.000	.000	.000	.098	.026	1.99	4.33	.646	.308	.101	13
14	.071	-	.000	.000	.000	1.63	.022	1.78	3.77	.621	.294	.100	14
15	.071	-	.000	.000	.000	.450	.025	2.29	3.47	.597	.279	.100	15
16	.071	-	.000	.000	.000	.161	.103	2.00	3.28	.565	.268	.099	16
17	.070	-	.000	.000	.000	.091	.119	1.74	3.50	.535	.261	.091	17
18	.062	-	.000	.000	.000	.065	.080	1.54	3.08	.514	.254	.090	18
19	.061	-	.000	.000	.000	.038	.049	1.59	2.46	.505	.248	.090	19
20	.061	-	.000	.000	.000	.033	.041	1.57	2.25	.476	.242	.089	20
21	.061	-	.000	.000	.000	.114	.047	1.32	3.13	.446	.236	.081	21
22	.061	-	.000	.000	.000	.089	.167	1.54	2.82	.425	.229	.080	22
23	.061	-	.000	.000	.000	.053	1.03	1.73	2.49	.417	.229	.080	23
24	.061	-	.000	.000	.000	.026	.708	1.54	2.23	.402	.228	.080	24
25	.061	-	.000	.000	.000	.015	.510	1.44	1.99	.374	.218	.071	25
26	.052	-	.000	.000	.000	.028	.395	1.44	1.86	.359	.217	.071	26
27	.052	-	.000	.000	.000	.018	.440	1.42	2.11	.345	.216	.071	27
28	.051	-	.000	.000	.028	.013	2.42	1.28	2.05	.330	.204	.070	28
29	.045		.000	.000	.090	.010	1.26	1.16	1.85	.316	.186	.062	29
30	.044		.000	.000	.006	.010	.759	1.58	1.58	.301	.173	.061	30
31	.044		.000		.000		1.03	1.71		.365		.061	31
MO	.072	-	.000	.000	.004	.255	.310	3.01	3.61	.656	.421	.099	MO

- : lacune + : lacune due à une cote hors bareme

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 MARS A 00H00
 MAXIMUM INSTANTANE : 16.1 M3/S LE 2 AOUT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 MARS
 MAXIMUM JOURNALIER : 13.8 M3/S LE 2 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1472708403 BARKOISSI
 RIVIERE : LAKTAON
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.32.00
 LONGIT. 0.19.00
 ALTIT. 145M
 AIRE 190.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.061	.015	.000	.000	.000	.000	.489	2.05	7.38	3.75	.747	.192	1
2	.061	.015	.000	.000	.000	.000	.476	-	9.65	3.32	.734	.192	2
3	.058	.010	.000	.000	.000	.000	.461	-	9.42	3.04	.638	.191	3
4	.052	.000	.000	.000	.000	1.07	.445	-	15.3	4.93	.604	.182	4
5	.052	.000	.000	.000	.000	2.31	.424	-	17.9	4.20	.592	.179	5
6	.052	.000	.000	.000	.000	.505	.410	-	15.3	3.43	.588	.179	6
7	.052	.000	.000	.000	.000	.272	.395	4.58	12.4	3.27	.587	.179	7
8	.052	.000	.000	.000	.000	.181	.381	-	7.88	2.92	.571	.179	8
9	.052	.000	.000	.000	.000	.133	.366	-	9.72	2.65	.484	.179	9
10	.052	.000	.000	.000	.000	.090	.352	-	11.9	2.47	.454	.179	10
11	.052	.000	.000	.000	.000	.049	.337	-	10.0	2.32	.453	.179	11
12	.049	.000	.000	.000	.000	.299	.324	5.05	8.11	2.11	.432	.179	12
13	.044	.000	.000	.000	.000	3.52	.316	3.68	6.66	1.96	.423	.179	13
14	.044	.000	.000	.000	.000	2.81	.301	-	5.64	3.51	.414	.177	14
15	.044	.000	.000	.000	.000	2.60	.286	-	20.2	3.71	.409	.152	15
16	.044	.000	.000	.000	.000	2.78	.267	-	21.7	2.09	.388	.143	16
17	.042	.000	.000	.000	.000	2.38	.254	-	15.4	1.41	.369	.143	17
18	.037	.000	.000	.000	.000	2.21	1.26	.987	11.1	1.47	.343	.135	18
19	.037	.000	.000	.000	.000	2.07	1.89	.938	9.58	1.32	.315	.132	19
20	.035	.000	.000	.000	.000	1.96	1.52	.921	8.00	1.18	.296	.132	20
21	.030	.000	.000	.000	.000	1.81	1.26	1.10	6.81	1.01	.264	.132	21
22	.029	.000	.000	.000	.000	1.66	1.10	1.32	6.21	.977	.244	.132	22
23	.029	.000	.000	.000	.000	1.55	1.00	2.98	5.41	.804	.232	.125	23
24	.027	.000	.000	.000	.000	1.46	.848	7.40	4.95	.784	.219	.122	24
25	.022	.000	.000	.000	.000	1.35	.752	9.64	4.21	.800	.198	.122	25
26	.022	.000	.000	.000	.000	1.25	.670	12.8	3.88	.788	.192	.122	26
27	.022	.000	.000	.000	.000	1.20	.606	10.2	5.58	.773	.192	.114	27
28	.022	.000	.000	.000	.000	1.97	.564	4.73	5.48	.791	.192	.111	28
29	.022		.000	.000	.000	.659	.520	4.11	5.08	.775	.192	.111	29
30	.022		.000	.000	.000	.501	.634	3.78	4.33	.743	.192	.103	30
31	.020		.000		.000		2.32	3.50		.736		.100	31
MO	.040	.001	.000	.000	.000	1.29	.685	-	9.50	2.07	.399	.151	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 4 FEVR A 06H00
 MAXIMUM INSTANTANE : 25.8 M3/S LE 15 SEPT A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 5 FEVR
 MAXIMUM JOURNALIER : 21.7 M3/S LE 16 SEPT

YAWENI A PAIO

N° 1472708803

GENERALITES

- superficie du bassin versant.....: 483 Km²
- coordonnées de la station: 10°13'N - 00°43'E
- cote du zero de l'échelle: 133 m. (IGN) environ
- amplitude de l'échelle: 0 à 6.00 m.
- accès: Pont de la route KANTE-MANGO
- date de création: 19.01.1962
- cadence des relevés: 1 relevé par jour (lecteur supprimé en decembre 1985
Limnigrammes depuis 01.08.85)

TARAGE

- nombre de jaugeages au 31.12.87: 105
- maximum jaugé: H = 508 CM
Q = 40.0 M³/S
date : 10.09.1979
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 01.01.1983 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	0.0000	120	1.700
050	0.0000	150	3.430
053	0.003	200	5.640
056	0.010	240	8.070
060	0.025	280	10.70
063	0.047	320	13.50
067	0.096	360	16.60
070	0.140	400	20.00
075	0.252	440	23.90
080	0.367	480	29.20
090	0.660	520	36.00
100	0.990	560	44.80
		600	54.10

REMARQUE

- débits relatifs aux limnigrammes, complétés par des lectures d'échelle.

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1472708803 PAIO
 RIVIERE : YAWENI
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.13.00
 LONGIT. 0.43.00

AIRE 512.000 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1962	-	-	-	-	-	-	-	-	34.5	9.20	-	.138	-
1963	.016	.000	.001	.001	.115	.000	-	27.1	17.8	-	1.74	.134	-
1964	.012	.002	.114	.015	.030	.010	.494	4.50	23.3	8.80	.442	.040	3.15
1965	-	.000	.000	.000	.000	.001	.001	2.00	15.2	16.2	.736	.044	-
1966	.001	.000	.001	.002	.000	.001	.150	8.15	24.3	7.74	.412	.070	3.40
1967	.004	.000	.000	.000	.000	-	9.60	-	30.6	12.1	.901	.133	-
1969	-	.000	.000	.000	.000	.000	-	-	24.4	5.97	-	-	-
1970	.001	-	.000	.000	.000	.000	-	3.71	33.1	5.66	-	-	-
1971	.001	-	.001	.006	-	.000	2.29	16.6	29.9	-	-	.009	-
1972	.001	.000	.000	-	.000	-	.266	.934	15.2	5.84	.162	.013	-
1973	.003	.000	.000	.000	.000	.103	-	-	-	-	-	-	-
1974	.000	.000	.000	.000	-	.060	1.52	10.6	28.0	-	.357	-	-
1975	.005	.000	.000	.000	.000	.000	5.42	14.4	25.3	9.14	.529	.079	4.57
1976	.016	.005	-	-	-	-	.119	3.66	4.55	-	2.18	.043	-
1977	-	-	-	-	-	-	-	-	-	-	-	-	-
1978	-	-	-	-	-	-	-	-	-	-	-	-	-
1979	.000	.000	.000	.000	.000	.985	4.74	-	21.8	4.15	.500	.179	-
1980	.001	.000	.000	.000	.130	-	.838	7.23	13.7	2.13	.400	.109	-
1981	.001	.000	.000	.000	.005	.752	4.66	9.00	10.2	-	-	.021	-
1982	.000	.000	.000	-	.000	.000	.373	3.49	18.3	15.2	2.77	-	-
1983	.000	.000	.000	.000	.000	.001	.163	.944	3.98	2.24	.174	.017	.627
1984	.002	.000	.000	-	-	-	.033	1.33	-	-	.224	-	-
1985	-	.000	.000	.000	.008	.353	-	7.31	8.51	5.95	.313	.002	-
1986	-	-	-	-	-	-	.602	1.12	-	2.01	-	-	-
1987	-	-	-	-	-	.405	-	-	-	-	-	-	-
MOY.	.003	.000	.006	.001	.018	.167	1.95	7.18	20.1	7.49	.789	.068	2.94

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1472708803 PAIO LATIT. 10.13.00
 RIVIERE : YAWENI LONGIT. 0.43.00
 PAYS : TOGO
 BASSIN : VOLTA AIRE 512.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.002	.000	.000	.000	.000	.000	.001	.260	4.24	6.95	.367	.025	1
2	.003	.000	.000	.000	.000	.000	.000	.213	4.11	7.52	.367	.025	2
3	.010	.000	.000	.000	.000	.000	.000	.249	3.45	7.54	.367	.025	3
4	.001	.000	.000	.000	.000	.000	.000	.275	3.87	7.99	.367	.025	4
5	.000	.000	.000	.000	.000	.000	.000	.298	3.16	7.25	.367	.025	5
6	.000	.000	.000	.000	.000	.000	.000	.318	9.92	2.37	.367	.025	6
7	.000	.000	.000	.000	.000	.000	.000	.327	9.56	1.84	.339	.025	7
8	.000	.000	.000	.000	.000	.000	.000	.361	8.25	1.69	.168	.025	8
9	.000	.000	.000	.000	.000	.000	.000	.371	4.59	1.60	.140	.025	9
10	.000	.000	.000	.000	.000	.000	.001	.403	3.02	1.56	.140	.025	10
11	.000	.000	.000	.000	.000	.000	.003	.473	3.20	1.52	.140	.025	11
12	.000	.000	.000	.000	.000	.000	.005	.491	3.42	1.49	.140	.025	12
13	.000	.000	.000	.000	.000	.000	.010	.539	4.40	1.46	.140	.025	13
14	.000	.000	.000	.000	.000	.000	.017	.568	4.69	1.45	.140	.024	14
15	.000	.000	.000	.000	.000	.000	.021	.576	4.52	1.42	.140	.018	15
16	.000	.000	.000	.000	.000	.000	.027	.590	2.88	1.39	.140	.017	16
17	.000	.000	.000	.000	.000	.000	.045	.547	2.97	1.41	.140	.014	17
18	.000	.000	.000	.000	.000	.000	.062	.573	4.13	1.40	.140	.013	18
19	.000	.000	.000	.000	.000	.000	.100	.902	3.21	1.47	.140	.013	19
20	.000	.000	.000	.000	.000	.000	.159	1.04	3.10	1.45	.140	.013	20
21	.000	.000	.000	.000	.000	.000	.204	1.51	2.81	1.42	.140	.013	21
22	.000	.000	.000	.000	.000	.000	.230	1.58	2.70	1.39	.140	.013	22
23	.000	.000	.000	.000	.000	.000	.255	1.52	2.91	1.29	.140	.010	23
24	.000	.000	.000	.000	.000	.000	.301	1.46	2.91	.750	.140	.010	24
25	.000	.000	.000	.000	.000	.001	.369	1.44	2.87	.660	.126	.010	25
26	.000	.000	.000	.000	.000	.012	.451	1.54	2.84	.660	.039	.010	26
27	.000	.000	.000	.000	.000	.013	.510	1.77	2.82	.660	.025	.010	27
28	.000	.000	.000	.000	.000	.010	.543	1.90	2.77	.623	.025	.010	28
29	.000	.000	.000	.000	.000	.010	.572	2.16	2.85	.404	.025	.009	29
30	.000	.000	.000	.000	.000	.008	.601	2.34	3.24	.367	.025	.007	30
31	.000	.000	.000	.000	.000	.000	.574	2.69	.367	.007	.007	.007	31
MO	.000	.000	.000	.000	.000	.001	.163	.944	3.98	2.24	.174	.017	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 4 JANV A 12H00
 MAXIMUM INSTANTANE : 11.4 M3/S LE 6 SEPT A 12H00

MINIMUM JOURNALIER : .000 M3/S LE 5 JANV
 MAXIMUM JOURNALIER : 9.92 M3/S LE 6 SEPT

DEBIT MOYEN ANNUEL : .627 M3/S

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1472708803 PAIO LATIT. 10.13.00
 RIVIERE : YAWENI LONGIT. 0.43.00
 PAYS : TOGO
 BASSIN : VOLTA AIRE 512.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.007	.000	.000	-	-	.923	.050	.098	3.62	.832	.423	.001	1
2	.007	.000	.000	-	-	.990	.050	.120	4.23	1.72	.519	.001	2
3	.007	.000	.000	-	-	.830	.087	.091	3.88	7.91	.575	.002	3
4	.007	.000	.000	-	-	.455	.112	.030	2.79	7.54	.544	.002	4
5	.005	.000	.000	-	-	.254	.101	.025	1.11	6.24	.378	.002	5
6	.005	.000	.000	-	-	.252	.024	.003	1.60	6.78	.320	.003	6
7	.005	.000	.000	-	-	.526	.004	.002	3.96	9.83	.183	.003	7
8	.005	.000	.000	-	-	.357	.008	.003	4.00	5.17	.200	.005	8
9	.004	.000	.000	-	-	.254	.010	.046	4.17	3.45	.196	.006	9
10	.002	.000	.000	-	-	.233	.014	.203	5.76	3.03	.236	.009	10
11	.002	.000	.000	-	-	.076	.013	.272	6.45	3.31	.282	-	11
12	.002	.000	.000	-	-	.119	.005	.143	6.91	3.40	.314	-	12
13	.001	.000	.000	-	-	.072	.015	.310	8.41	3.23	.309	-	13
14	.001	.000	.000	-	-	.060	.007	.206	7.11	2.74	.342	-	14
15	.000	.000	.000	-	-	-	.023	.255	8.12	2.77	.340	-	15
16	.000	.000	.000	-	-	.304	.001	.413	10.5	2.29	.322	-	16
17	.000	.000	.000	-	-	.245	.000	.610	-	2.39	.278	-	17
18	.000	.000	.000	-	-	.194	.011	.454	-	2.12	.128	-	18
19	.000	.000	.000	-	-	.261	.048	2.70	-	1.97	.057	-	19
20	.000	.000	.000	-	.252	.056	.025	9.27	-	1.97	.075	-	20
21	.000	.000	.000	-	.927	.063	.009	1.92	5.09	1.62	.101	-	21
22	.000	.000	.000	-	.914	.048	.008	.928	5.03	1.59	.123	-	22
23	.000	.000	.000	-	.615	.045	.004	.753	4.67	1.28	.125	-	23
24	.000	.000	.000	-	.311	.036	.014	.898	4.16	1.02	.125	-	24
25	.000	.000	.000	-	.155	.120	.033	1.26	3.54	-	.125	-	25
26	.000	.000	.000	-	.389	.426	.049	2.38	3.14	-	.095	-	26
27	.000	.000	.000	-	.316	.481	.076	3.00	3.25	-	.007	-	27
28	.000	.000	.000	-	.201	.343	.094	3.35	2.76	-	.001	-	28
29	.000	.000	.000	-	.121	.186	.045	3.83	2.50	-	.001	-	29
30	.000	.000	.000	-	.046	.122	.029	4.11	1.97	-	.001	-	30
31	.000	.000	.000	.222	.051	3.47	-	-	-	-	-	-	31
MO	.002	.000	.000	-	-	.033	1.33	-	-	.224	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 16 JANV A 07H30
 MAXIMUM INSTANTANE : 12.1 M3/S LE 20 AOUT A 10H45

MINIMUM JOURNALIER : .000 M3/S LE 17 JANV
 MAXIMUM JOURNALIER : 10.5 M3/S LE 16 SEPT

DEBITS MOYENS JOURNALIERS ANNEE 1995

STATION : 1472708803 PAIO LATIT. 10.13.00
 RIVIERE : YAWENI LONGIT. 0.43.00
 PAYS : TOGO ALTIT. M
 BASSIN : VOLTA AIRE 512 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.000	.000	.000	.000	.575	.226	2.76	4.05	13.1	.691	.001	1
2	-	.000	.000	.000	.000	.724	.675	2.62	5.35	11.0	.611	.001	2
3	-	.000	.000	.000	.000	.749	.336	6.37	4.87	13.5	.559	.002	3
4	-	.000	.000	.000	.000	.784	.136	2.88	6.90	17.9	.497	.003	4
5	-	.000	.000	.000	.000	.624	.075	5.20	11.0	19.3	.452	.004	5
6	-	.000	.000	.000	.000	.438	-	4.41	10.6	18.5	.407	.009	6
7	-	.000	.000	.000	.000	.440	-	7.46	13.0	14.6	.394	.007	7
8	-	.000	.000	.000	.000	.481	-	5.14	12.0	10.9	.380	.000	8
9	-	.000	.000	.000	.000	.484	-	3.92	9.31	8.60	.367	.000	9
10	.000	.000	.000	.000	.000	.503	.093	4.81	10.7	7.31	.355	.000	10
11	.000	.000	.000	.000	.000	.567	.033	4.07	9.70	6.40	.344	.000	11
12	.000	.000	.000	.000	.000	.436	-	5.61	7.58	6.45	.336	.000	12
13	.000	.000	.000	.000	.000	.027	-	4.83	8.07	5.25	.328	.000	13
14	.000	.000	.000	.000	.000	.057	-	10.1	6.96	4.59	.320	.000	14
15	.000	.000	.000	.000	.000	.240	-	10.9	5.74	3.91	.313	.000	15
16	.000	.000	.000	.000	.000	.044	-	16.2	4.82	3.29	.305	.000	16
17	.000	.000	.000	.000	.000	.010	-	17.6	4.87	2.80	.299	.000	17
18	.000	.000	.000	.000	.000	.211	-	15.9	7.58	2.39	.298	.003	18
19	.000	.000	.000	.000	.000	.797	-	12.1	12.2	2.07	.298	.016	19
20	.000	.000	.000	.000	.000	.362	-	10.9	14.2	1.82	.297	.014	20
21	.000	.000	.000	.000	.000	.386	-	13.4	13.8	1.59	.289	.001	21
22	.000	.000	.000	.000	.000	.678	-	10.9	10.8	1.40	.280	.000	22
23	.000	.000	.000	.000	.000	.055	-	7.86	7.27	1.24	.275	.000	23
24	.000	.000	.000	.000	.000	.043	-	6.13	6.37	1.11	.127	.000	24
25	.000	.000	.000	.000	.000	.085	-	4.96	5.28	.986	.177	.000	25
26	.000	.000	.000	.000	.000	.087	-	5.13	4.99	.899	.209	.000	26
27	.000	.000	.000	.000	.000	.007	-	5.61	5.46	.850	.091	.000	27
28	.000	.000	.000	.000	.000	.000	-	5.97	7.48	.800	.062	.000	28
29	.000	.000	.000	.000	.000	.103	-	5.19	10.6	.725	.023	.000	29
30	.000	.000	.000	.000	.000	.482	-	4.69	13.6	.656	.003	.000	30
31	.000	.000	.000	.000	.264	-	-	3.02	.691	.000	.000	.000	31
MO	-	.000	.000	.000	.008	.353	-	7.31	8.51	5.95	.313	.002	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : donnees relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 10/01 A 00H00
 MAXIMUM INSTANTANE : 19.4 M3/S LE 05/10 A 17H12

MINIMUM JOURNALIER : .000 M3/S LE 10/01
 MAXIMUM JOURNALIER : 19.3 M3/S LE 05/10

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1472708803 PAIO LATIT. 10.13.00
 RIVIERE : YAWENI LONGIT. 0.43.00
 PAYS : TOGO ALTIT. M
 BASSIN : VOLTA AIRE 512 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	-	-	-	-	-	.185	.809	7.49	4.60	.720	-	1
2	.000	-	-	-	-	-	.125	2.37	16.2	3.63	.728	-	2
3	.000	-	-	-	-	-	.046	1.39	-	3.03	.606	-	3
4	.000	-	-	-	-	-	.072	.719	-	3.08	.894	-	4
5	.000	-	-	-	-	-	.197	.476	-	3.94	.688	-	5
6	.000	-	-	-	-	-	.459	1.02	-	5.80	.585	-	6
7	.000	-	-	-	-	-	.340	.469	-	5.48	.470	-	7
8	.000	-	-	-	-	-	.286	.481	-	4.29	.434	-	8
9	.000	-	-	-	-	.013	.651	.704	-	3.54	.406	-	9
10	.000	-	-	-	-	.009	2.62	.505	-	3.30	.339	-	10
11	.000	-	-	-	-	.005	4.10	.328	-	2.77	.332	-	11
12	.000	-	-	-	-	.001	1.30	.240	18.9	2.19	.340	-	12
13	.000	-	-	-	-	.002	.418	.245	14.3	1.81	.320	-	13
14	.000	-	-	-	-	.006	.297	.218	13.1	1.57	.295	-	14
15	.000	-	-	-	-	.006	.270	.239	10.9	1.41	.271	-	15
16	.000	-	-	-	-	.001	.241	2.50	12.5	1.27	.249	-	16
17	.000	-	-	-	-	.000	.720	3.02	11.1	1.13	.229	-	17
18	.000	-	-	-	-	.000	1.15	.749	7.92	.977	.217	-	18
19	.000	-	-	-	-	.000	.373	.661	6.53	.846	.206	-	19
20	.000	-	-	-	-	.009	.248	.387	5.25	.727	.195	-	20
21	.000	-	-	-	-	.750	.186	.494	8.56	.646	.186	-	21
22	.000	-	-	-	-	4.99	.145	.481	9.27	.601	-	-	22
23	.000	-	-	-	.130	1.54	.732	.413	7.36	.601	-	-	23
24	.000	-	-	-	3.82	.189	.512	.667	6.09	.601	-	-	24
25	.000	-	-	-	1.35	.086	.873	1.51	7.07	.601	-	-	25
26	.000	-	-	-	.404	.421	.770	1.24	8.51	.595	-	-	26
27	.000	-	-	-	.108	.361	.416	2.41	7.80	.577	-	-	27
28	.000	-	-	-	.083	.151	.264	3.20	6.42	.726	-	-	28
29	.000	-	-	-	-	.062	.208	1.81	5.80	.808	-	-	29
30	.000	-	-	-	-	.044	.156	2.25	5.84	.559	-	-	30
31	-	-	-	-	-	.299	2.78	.531	-	-	-	-	31
MO	-	-	-	-	-	.602	1.12	-	2.01	-	-	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : donnees relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 16/06 A 21H24
 MAXIMUM INSTANTANE : 21.6 M3/S LE 12/09 A 00H00

MINIMUM JOURNALIER : .000 M3/S LE 17/06
 MAXIMUM JOURNALIER : 18.9 M3/S LE 12/09

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1472708803 PAID
 RIVIERE : YAWENI
 PAYS : TOGO
 BASSIN : VOLTA
 DEBITS EN M3/S

LATIT. 10.13.00
 LONGIT. 0.43.00
 ALTIT. M
 AIRE 512 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	.077	.715	-	-	-	-	-	1
2	-	-	-	-	-	.032	.615	-	-	-	-	-	2
3	-	-	-	-	-	.021	2.04	-	-	-	-	-	3
4	-	-	-	-	-	.092	7.30	-	-	-	-	-	4
5	-	-	-	-	-	1.21	6.13	-	-	-	-	-	5
6	-	-	-	-	-	.903	1.67	-	-	-	-	-	6
7	-	-	-	-	-	1.29	.928	-	-	-	-	-	7
8	-	-	-	-	-	.283	.660	-	-	-	-	-	8
9	-	-	-	-	-	.144	2.49	-	-	-	-	-	9
10	-	-	-	-	-	.118	5.55	-	-	-	-	-	10
11	-	-	-	-	-	.094	2.64	-	-	-	-	-	11
12	-	-	-	-	-	.042	-	-	-	-	-	-	12
13	-	-	-	-	-	.026	-	-	-	-	-	-	13
14	-	-	-	-	-	.017	-	-	-	-	-	-	14
15	-	-	-	-	-	.015	-	-	-	-	-	-	15
16	-	-	-	-	-	.013	-	-	-	-	-	-	16
17	-	-	-	-	-	.596	-	7.73	-	-	-	-	17
18	-	-	-	-	-	.326	-	7.20	-	-	-	-	18
19	-	-	-	-	-	.121	-	6.89	20.0	-	-	-	19
20	-	-	-	-	-	.096	-	6.10	15.8	-	-	-	20
21	-	-	-	-	-	.063	-	6.02	12.5	-	-	-	21
22	-	-	-	-	-	.061	-	5.20	-	-	-	-	22
23	-	-	-	-	-	.052	-	5.36	-	-	-	-	23
24	-	-	-	-	-	.042	-	10.7	-	-	-	-	24
25	-	-	-	-	-	.055	-	15.0	-	-	-	-	25
26	-	-	-	-	-	.332	-	13.6	-	-	-	-	26
27	-	-	-	-	-	1.37	-	13.4	-	-	-	-	27
28	-	-	-	-	-	2.02	-	19.6	-	-	-	-	28
29	-	-	-	-	.837	1.39	-	-	-	-	-	-	29
30	-	-	-	-	.581	1.23	-	-	-	-	-	-	30
31	-	-	-	-	.222	-	-	-	-	-	-	-	31
MO	-	-	-	-	-	.405	-	-	-	-	-	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : donnees relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .005 M3/S LE 29/05 A 00H00
 MAXIMUM INSTANTANE : 20.4 M3/S LE 19/09 A 00H00

MINIMUM JOURNALIER : .013 M3/S LE 16/06
 MAXIMUM JOURNALIER : 20.0 M3/S LE 19/09

GENERALITES

- superficie du bassin versant.....: 2.560 Km²
- coordonnées de la station: 06°30'N - 01°20'E
- cote du zero de l'échelle: 16 m. (IGN) environ
- amplitude de l'échelle: -0.50 à 6.00 m.
- accès: Ancien pont métallique de la route TSEVIE-TABLIGBO
- date de création: 02.08.1961
- cadence des relevés: 2 relevés par jour limnigrammes depuis juin 85

TARAGE

- nombre de jaugeages au 31.12.87: 90
- maximum jaugé: H = 559 CM
Q = 61.9 M³/S
date : 11.09.1987
- nombre de tarages entre 1983 et 1987: 5
- dernier étalonnage utilisé :
valide du 29.08.1987 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
050	0.0000	140	1.260
058	0.0000	150	1.710
070	0.002	160	2.200
073	0.010	180	3.450
077	0.021	200	4.850
083	0.054	220	6.400
088	0.097	240	8.150
095	0.167	280	12.10
105	0.290	340	19.30
110	0.370	400	27.40
115	0.460	480	41.00
120	0.563	520	49.60
130	0.845	560	61.80
		585	102.0

REMARQUES

- limnigrammes non dépouillés.

STATION : 1473401506 GATI STATION PRINCIPALE LATIT. 6.30.18
 RIVIERE : HAHO LONGIT. 1.20.15
 PAYS : TOGO ALTIT. 16M
 BASSIN : LAC TOGO AIRE 2560.00 KM2
 DEBITS EN M3/S

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1961	-	-	-	-	-	-	-	-	-	4.30	.123	.004	-
1962	.000	.000	.000	.000	8.31	45.4	27.1	18.6	-	3.25	.056	.288	-
1963	.000	.000	.063	.029	.011	3.60	44.1	50.6	-	47.5	7.95	.411	-
1964	.071	.018	-	.066	4.30	20.9	14.6	3.35	-	.062	.168	.068	-
1965	.130	-	-	-	-	-	-	-	-	-	-	-	-
1966	-	-	.003	.244	1.15	17.0	21.2	10.2	7.09	13.2	.531	.204	-
1967	.230	.037	.024	6.42	4.73	27.9	9.64	2.10	9.58	12.9	1.10	.287	6.25
1968	.159	.045	.182	.319	.842	18.3	48.2	51.0	59.4	44.2	7.11	.637	19.2
1969	.279	.134	-	-	-	15.6	10.9	1.33	.644	7.17	1.78	.175	-
1970	.096	.080	.004	.015	4.12	2.41	2.07	.443	2.50	15.7	5.01	.027	2.70
1971	.000	-	.673	.165	.123	.733	7.08	11.2	-	-	.051	.031	-
1972	-	-	-	2.66	1.93	10.7	7.06	.955	.169	-	-	-	-
1973	-	.000	-	-	2.08	-	3.57	-	-	-	1.05	-	-
1974	-	-	-	.253	.196	2.19	9.10	8.51	12.3	6.18	.598	.000	-
1975	-	.173	.171	3.56	2.40	8.50	31.2	4.93	13.3	14.7	.704	.700	-
1976	.000	-	.655	.181	-	3.56	.830	1.62	.335	15.6	4.88	.014	-
1977	.000	.000	.000	-	-	-	.006	.000	-	-	.083	.000	-
1978	-	-	-	11.0	10.4	24.9	1.44	.000	1.06	2.08	.591	.000	-
1979	.000	.000	.000	.000	2.48	18.0	-	-	-	-	-	.236	-
1980	.000	.000	.000	.000	.533	9.84	2.87	24.9	33.2	41.4	-	.432	-
1981	.088	.064	.216	.021	.084	2.57	9.48	5.93	18.9	9.67	1.48	.396	4.08
1982	.506	.040	.219	.070	1.02	-	20.0	.790	.469	.251	.073	.005	-
1983	.011	.000	.000	1.13	.393	1.73	.058	.025	.000	.000	.000	.017	.280
1984	.000	.000	.747	.192	.005	1.08	14.7	42.0	27.7	26.1	.237	.014	9.40
1985	.006	.000	.000	7.67	4.65	5.21	40.9	40.2	34.1	6.92	.914	.098	11.7
1986	.054	.050	.666	.146	.140	1.51	5.99	.108	.065	1.39	8.88	.074	1.59
1987	.009	.000	.000	.003	.085	.410	4.58	30.4	62.6	46.7	3.22	1.54	12.5
MOY.	.081	.029	.191	1.55	2.27	11.0	14.0	13.4	15.8	15.2	2.06	.236	7.52

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1473401506 GATI STATION PRINCIPALE LATIT. 6.30.18
 RIVIERE : HAHO LONGIT. 1.20.15
 PAYS : TOGO ALTIT. 16M
 BASSIN : LAC TOGO AIRE 2560.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.037	.000	.000	.000	2.28	.192	.132	.010	.001	.000	.000	.000	1
2	.035	.000	.000	.000	.970	.178	.112	.009	.000	.000	.000	.000	2
3	.030	.000	.000	.000	.801	.141	.092	.007	.000	.000	.000	.000	3
4	.027	.000	.000	.000	.465	.065	.075	.007	.000	.000	.000	.000	4
5	.027	.000	.000	.000	.351	.049	.062	.006	.000	.000	.000	.000	5
6	.027	.000	.000	.000	.278	.048	.054	.004	.000	.000	.000	.000	6
7	.024	.000	.000	.000	.220	.043	.048	.004	.001	.000	.000	.000	7
8	.017	.000	.000	.000	.169	.042	.045	.004	.000	.000	.000	.000	8
9	.016	.000	.000	.000	.157	.431	.037	.004	.000	.000	.000	.000	9
10	.014	.000	.000	.000	.222	11.3	.032	.004	.000	.000	.000	.000	10
11	.013	.000	.000	.000	.178	12.5	.026	.064	.000	.000	.000	.000	11
12	.011	.000	.000	.000	.143	3.70	.026	.195	.000	.000	.000	.000	12
13	.010	.000	.000	.000	.117	1.35	.029	.137	.001	.000	.000	.000	13
14	.008	.000	.000	.731	.097	3.93	.075	.080	.001	.000	.000	.000	14
15	.008	.000	.000	9.19	.089	6.05	.055	.048	.001	.000	.000	.000	15
16	.008	.000	.000	3.77	.116	3.11	.040	.040	.001	.000	.000	.035	16
17	.008	.000	.000	1.79	.176	1.57	.114	.030	.000	.000	.000	.120	17
18	.007	.000	.000	.977	1.46	.900	.316	.024	.000	.000	.000	.107	18
19	.005	.000	.000	.669	.801	.588	.137	.017	.000	.000	.000	.076	19
20	.004	.000	.000	.531	.486	.410	.064	.014	.000	.000	.000	.059	20
21	.002	.000	.000	.418	.553	.337	.040	.012	.000	.000	.000	.044	21
22	.000	.000	.000	.350	.382	.476	.034	.012	.000	.000	.000	.029	22
23	.000	.000	.000	.412	.303	.956	.023	.010	.000	.000	.000	.019	23
24	.000	.000	.000	.765	.279	1.16	.018	.009	.000	.000	.000	.020	24
25	.000	.000	.000	.875	.160	.860	.018	.007	.000	.000	.000	.023	25
26	.000	.000	.000	.648	.142	.558	.015	.007	.000	.000	.000	.004	26
27	.000	.000	.000	.503	.128	.384	.015	.006	.000	.000	.000	.001	27
28	.000	.000	.000	1.35	.129	.275	.015	.004	.000	.000	.000	.000	28
29	.000	.000	.000	4.61	.150	.205	.013	.003	.000	.000	.000	.000	29
30	.000	.000	.000	6.30	.128	.158	.011	.002	.000	.000	.000	.000	30
31	.000	.000	.000	.251	.010	.002	.000	.000	.000	.000	.000	.000	31
MO	.011	.000	.000	1.13	.393	1.73	.058	.025	.000	.000	.000	.017	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 22 JANV A 06H00
 MAXIMUM INSTANTANE : 15.0 M3/S LE 10 JUIN A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 23 JANV
 MAXIMUM JOURNALIER : 12.5 M3/S LE 11 JUIN

DEBIT MOYEN ANNUEL : .280 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1473401506 GATI STATION PRINCIPALE LATIT. 6.30.18
 RIVIERE : HAHO LONGIT. 1.20.15
 PAYS : TOGO ALTIT. 16M
 BASSIN : LAC TOGO AIRE 2560.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.316	.009	.000	.445	58.0	15.6	51.8	.822	.032	1
2	.000	.000	.000	.197	.010	.000	.294	56.1	24.9	56.5	.781	.030	2
3	.000	.000	.000	.109	.016	.000	.494	48.7	25.5	58.6	.822	.027	3
4	.000	.000	.000	.125	.015	.000	1.86	48.5	21.3	57.8	.783	.025	4
5	.000	.000	.000	.186	.011	.000	3.63	54.1	21.4	47.7	.547	.022	5
6	.000	.000	.000	1.98	.008	.000	14.1	58.6	33.6	28.8	.444	.019	6
7	.000	.000	.000	1.07	.005	.000	16.8	60.0	38.3	27.1	.369	.016	7
8	.000	.000	.000	.607	.004	.000	17.3	59.8	39.6	32.4	.304	.015	8
9	.000	.000	.000	.321	.003	.000	9.18	59.4	32.5	39.4	.256	.013	9
10	.000	.000	.000	.193	.014	.000	2.82	59.7	19.0	42.9	.226	.012	10
11	.000	.000	.000	.143	.023	.049	1.67	59.7	13.3	42.4	.212	.012	11
12	.000	.000	.000	.120	.011	.081	1.40	58.9	10.2	26.2	.194	.011	12
13	.000	.000	.000	.071	.007	.051	1.15	54.8	5.68	22.3	.166	.010	13
14	.000	.000	.000	.047	.006	.056	1.19	42.2	5.77	19.1	.141	.010	14
15	.000	.000	.000	.029	.004	.045	1.07	31.3	10.1	15.9	.124	.009	15
16	.000	.000	.000	.022	.003	.035	1.23	30.9	17.4	10.1	.109	.009	16
17	.000	.000	.000	.017	.004	.017	7.60	36.2	26.2	8.29	.090	.009	17
18	.000	.000	.000	.012	.003	.019	4.29	41.7	31.1	21.8	.084	.009	18
19	.000	.000	.000	.009	.003	.020	2.73	49.5	34.1	29.3	.076	.008	19
20	.000	.000	.000	.007	.002	.043	14.1	51.9	43.6	37.0	.068	.008	20
21	.000	.000	.000	.006	.001	1.22	34.4	51.8	15.1	41.9	.066	.008	21
22	.000	.000	.225	.013	.001	2.98	43.3	44.6	13.8	31.1	.063	.008	22
23	.000	.000	4.22	.023	.000	5.47	43.5	41.4	15.2	15.3	.056	.007	23
24	.000	.000	5.29	.028	.000	6.01	34.5	39.2	36.1	9.93	.052	.007	24
25	.000	.000	3.46	.023	.000	3.16	18.6	31.9	30.8	6.01	.047	.008	25
26	.000	.000	5.20	.025	.000	5.89	9.81	23.5	33.9	7.68	.047	.008	26
27	.000	.000	2.54	.018	.000	4.29	7.71	16.0	28.7	9.24	.047	.010	27
28	.000	.000	.895	.013	.000	1.40	15.2	11.9	18.0	9.13	.042	.015	28
29	.000	.000	.537	.015	.000	.831	38.4	7.90	21.0	2.42	.039	.025	29
30	.000	.000	.409	.011	.000	.825	50.3	6.03	36.8	1.39	.035	.023	30
31	.000	.000	.377	.000	.000	.000	55.6	8.94	.000	1.25	.000	.021	31
MO	.000	.000	.747	.192	.005	1.08	14.7	42.0	27.7	26.1	.237	.014	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 60.8 M3/S LE 1 OCTO A 18H32

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 60.0 M3/S LE 7 AOUT

DEBIT MOYEN ANNUEL : 9.40 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1473401506 GATI STATION PRINCIPALE LATIT. 6.30.18
 RIVIERE : HAHO LONGIT. 1.20.15
 PAYS : TOGO ALTIT. 16M
 BASSIN : LAC TOGO AIRE 2560.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.015	.001	.000	.000	.214	2.58	8.97	44.6	17.9	11.6	.667	.145	1
2	.011	.000	.000	.000	.405	2.09	12.1	45.8	10.7	12.3	1.02	.147	2
3	.007	.000	.000	.000	1.38	6.57	13.6	46.0	17.0	10.8	1.52	.146	3
4	.010	.000	.000	.000	8.03	8.15	13.4	46.2	28.2	9.14	2.93	.138	4
5	.009	.000	.000	.000	1.88	2.84	31.6	46.4	29.2	8.54	1.52	.137	5
6	.009	.000	.000	1.29	.731	1.22	44.2	46.1	29.7	7.14	.864	.137	6
7	.009	.000	.000	26.4	.457	1.55	44.5	46.7	34.1	8.15	.724	.131	7
8	.008	.000	.000	42.5	.315	1.66	41.1	47.2	40.4	14.1	2.55	.127	8
9	.010	.000	.000	46.2	5.56	1.16	44.3	47.7	46.2	13.3	9.00	.121	9
10	.010	.000	.000	44.8	13.9	.808	54.8	47.2	46.1	12.6	.528	.117	10
11	.010	.000	.000	4.4	5.45	.552	59.6	47.1	45.7	12.8	.501	.116	11
12	.010	.000	.000	6.7	3.12	.435	60.8	47.0	45.1	13.7	.438	.108	12
13	.008	.000	.000	2.8	1.03	2.13	62.5	46.0	44.1	7.48	.464	.101	13
14	.007	.000	.000	3.82	.905	19.1	62.3	45.1	42.6	6.93	.468	.091	14
15	.006	.000	.000	1.25	.688	15.4	48.0	44.0	41.3	5.87	.489	.085	15
16	.006	.000	.000	.817	.742	13.2	46.4	43.7	44.5	4.56	.466	.087	16
17	.006	.000	.000	.603	1.12	13.7	46.8	44.6	45.1	6.61	.386	.080	17
18	.005	.000	.000	1.16	8.41	10.8	49.8	45.2	45.5	9.37	.351	.079	18
19	.004	.000	.000	4.08	11.2	4.77	44.2	44.8	42.1	8.92	.302	.079	19
20	.004	.000	.000	8.29	14.4	5.64	42.7	43.3	34.3	7.55	.289	.079	20
21	.003	.000	.000	9.87	5.53	8.74	41.8	40.9	35.0	5.87	.278	.079	21
22	.003	.000	.000	2.22	1.90	9.62	43.7	39.6	37.3	4.42	.252	.076	22
23	.003	.000	.000	.832	1.42	5.06	44.6	35.5	40.6	2.87	.213	.071	23
24	.002	.000	.000	.535	.859	1.51	43.0	33.5	40.8	2.27	.199	.071	24
25	.002	.000	.000	.367	9.45	.923	41.8	31.5	37.9	1.81	.191	.071	25
26	.002	.000	.000	.328	20.6	.735	40.9	24.4	33.9	1.50	.180	.071	26
27	.001	.000	.000	.334	7.91	1.65	38.3	18.8	18.4	1.19	.174	.071	27
28	.001	.000	.000	.229	.768	7.68	33.0	21.4	18.8	.948	.163	.071	28
29	.001	.000	.000	.170	2.14	3.28	31.4	25.6	16.9	.769	.156	.071	29
30	.002	.000	.000	.121	6.81	2.65	36.5	30.6	13.5	.693	.144	.071	30
31	.002	.000	.000	6.68			42.7	30.4		.625		.071	31
MO	.006	.000	.000	7.67	4.65	5.21	40.8	40.2	34.1	6.92	.914	.098	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 3 JANV A 07H40
 MAXIMUM INSTANTANE : 63.8 M3/S LE 14 JUIL A 06H10

MINIMUM JOURNALIER : .000 M3/S LE 4 FEVR
 MAXIMUM JOURNALIER : 62.5 M3/S LE 13 JUIL

DEBIT MOYEN ANNUEL : 11.7 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1473401506 GATI STATION PRINCIPALE LATIT. 6.30.18
 RIVIERE : HAHO LONGIT. 1.20.15
 PAYS : TOGO ALTIT. 16M
 BASSIN : LAC TOGO AIRE 2560.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.071	.063	.045	.840	.015	.106	.137	.414	.280	.017	21.0	.275	1
2	.071	.061	.046	.597	.015	.692	.244	.356	.217	.026	20.8	.246	2
3	.070	.054	.050	.426	.018	1.92	4.01	.319	.173	.013	25.9	.186	3
4	.063	.049	.055	.358	.018	.978	20.1	.246	.153	.012	31.9	.158	4
5	.062	.048	.070	.291	.018	1.43	15.8	.189	.116	.012	33.8	.144	5
6	.062	.048	.069	.233	.017	1.78	16.2	.158	.094	.010	34.4	.136	6
7	.062	.048	.063	.199	.014	7.98	10.3	.127	.079	.008	35.9	.115	7
8	.061	.048	.064	.174	.014	5.81	5.57	.127	.059	.007	26.5	.103	8
9	.055	.048	.068	.149	.021	1.93	3.86	.113	.038	.007	10.0	.088	9
10	.054	.048	.228	.152	.032	1.08	3.00	.097	.035	.007	6.06	.085	10
11	.053	.048	1.88	.139	.047	1.15	1.93	.091	.028	.004	4.16	.079	11
12	.049	.048	3.06	.117	.051	2.22	1.83	.084	.026	.004	2.97	.071	12
13	.048	.047	1.51	.104	.042	1.79	3.04	.068	.023	.004	2.12	.062	13
14	.048	.043	.724	.093	.054	.912	15.6	.057	.026	.044	1.72	.054	14
15	.048	.043	.628	.082	.189	.531	26.1	.048	.032	.471	1.45	.048	15
16	.047	.043	.567	.067	.146	.478	21.6	.043	.037	.249	1.11	.048	16
17	.043	.042	.323	.052	.082	.366	11.0	.037	.037	.156	.933	.043	17
18	.043	.038	.164	.042	.080	.313	5.84	.037	.037	.161	.781	.041	18
19	.043	.037	.136	.032	.034	.902	3.64	.035	.033	.141	.649	.037	19
20	.043	.037	.154	.024	.024	4.26	2.40	.032	.031	.087	.551	.037	20
21	.042	.037	.140	.019	.021	3.37	1.78	.030	.029	.387	.482	.032	21
22	.040	.032	.116	.018	.021	1.80	1.38	.026	.067	5.36	.430	.026	22
23	.051	.034	.090	.018	.112	1.19	1.15	.021	.083	2.77	.383	.026	23
24	.053	.104	.066	.018	1.34	.781	1.45	.019	.055	1.76	.348	.026	24
25	.049	.084	.054	.019	.583	.442	1.94	.018	.037	5.95	.307	.026	25
26	.048	.074	.469	.020	.289	.324	1.80	.018	.031	3.15	.278	.021	26
27	.048	.058	1.22	.018	.318	.271	1.40	.015	.028	1.16	.277	.021	27
28	.048	.050	2.90	.020	.267	.187	.969	.015	.025	1.17	.490	.021	28
29	.051		2.66	.020	.217	.151	.742	.015	.019	.742	.424	.021	29
30	.068		1.83	.018	.127	.121	.561	.045	.018	2.41	.343	.020	30
31	.070		1.18		.117		.495	.427		16.8		.020	31
MO	.054	.050	.666	.146	.140	1.51	5.99	.108	.065	1.39	8.88	.074	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .002 M3/S LE 14 OCTO A 06H00
 MAXIMUM INSTANTANE : 36.5 M3/S LE 7 NOVE A 18H00

MINIMUM JOURNALIER : .004 M3/S LE 13 OCTO
 MAXIMUM JOURNALIER : 35.9 M3/S LE 7 NOVE

DEBIT MOYEN ANNUEL : 1.59 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1473401506 GATI STATION PRINCIPALE LATIT. 6.30.18
 RIVIERE : HAHO LONGIT. 1.20.15
 PAYS : TOGO ALTIT. 16M
 BASSIN : LAC TOGO AIRE 2560.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.018	.000	.000	.000	.000	.197	7.03	13.0	70.8	73.8	7.88	1.75	1
2	.018	.000	.000	.000	.000	.169	12.5	5.01	70.3	71.9	6.03	1.71	2
3	.018	.000	.000	.000	.000	.167	8.38	3.80	69.3	70.9	5.35	1.71	3
4	.018	.000	.000	.000	.000	.167	4.16	3.67	66.0	70.0	5.14	1.71	4
5	.018	.000	.000	.000	.000	.167	2.17	2.46	60.9	68.9	5.05	1.70	5
6	.018	.000	.000	.000	.000	.167	1.30	2.04	51.5	68.6	4.96	1.67	6
7	.015	.000	.000	.000	.000	.167	.827	1.78	51.6	68.3	4.81	1.66	7
8	.015	.000	.000	.000	.000	.160	.604	1.94	40.2	67.7	4.33	1.62	8
9	.015	.000	.000	.000	.000	.148	.495	2.80	53.9	66.8	3.82	1.62	9
10	.015	.000	.000	.022	.000	.135	.413	5.43	60.0	63.6	3.07	1.61	10
11	.015	.000	.000	.043	.000	.121	.411	22.9	60.7	56.1	2.97	1.58	11
12	.015	.000	.000	.018	.000	.111	.306	26.3	53.3	53.1	2.89	1.58	12
13	.013	.000	.000	.003	.000	.103	.278	14.1	46.5	44.5	2.89	1.57	13
14	.012	.000	.000	.006	.000	.093	.633	21.4	48.5	41.4	2.83	1.53	14
15	.012	.000	.000	.002	.000	.087	8.93	25.7	54.3	37.6	2.76	1.52	15
16	.012	.000	.000	.000	.000	.079	11.9	30.7	60.6	34.1	2.70	1.48	16
17	.010	.000	.000	.000	.000	.072	2.86	36.9	62.5	27.0	2.58	1.44	17
18	.010	.000	.000	.000	.000	.091	1.77	41.2	58.2	37.2	2.50	1.44	18
19	.009	.000	.000	.000	.000	.123	1.29	43.5	53.3	44.6	2.33	1.44	19
20	.007	.000	.000	.000	.000	.143	2.66	44.5	38.0	50.1	2.16	1.44	20
21	.006	.000	.000	.000	.000	.160	5.14	44.5	39.5	57.9	2.10	1.44	21
22	.000	.000	.000	.000	.000	.166	11.5	45.5	66.0	62.6	2.07	1.44	22
23	.000	.000	.000	.000	.000	.128	8.68	46.1	85.8	57.8	2.00	1.45	23
24	.000	.000	.000	.000	.000	.117	4.37	46.3	94.9	39.0	1.96	1.49	24
25	.000	.000	.000	.000	.000	.108	2.98	46.2	85.3	28.2	1.96	1.49	25
26	.000	.000	.000	.000	.000	.114	2.47	46.4	76.2	20.9	1.96	1.49	26
27	.000	.000	.000	.000	.000	.160	2.35	48.3	73.4	19.1	1.94	1.48	27
28	.000	.000	.000	.000	.179	.357	3.88	52.1	72.5	14.1	1.91	1.44	28
29	.000	.000	.000	.000	1.67	1.19	7.64	72.8	78.7	12.5	1.86	1.43	29
30	.000	.000	.000	.000	.551	7.14	7.99	73.0	76.7	10.7	1.81	1.40	30
31	.000	.000	.000	.243	.000	.16.1	72.3	.000	.000	.000	.000	1.40	31
MO	.009	.000	.000	.003	.085	.410	4.58	30.4	62.6	46.7	3.22	1.54	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 22 JANV A 12H00
 MAXIMUM INSTANTANE : 102. M3/S LE 23 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 23 JANV
 MAXIMUM JOURNALIER : 94.9 M3/S LE 24 SEPT

DEBIT MOYEN ANNUEL : 12.5 M3/S

SIO A KATI

N° 1473402203

DEBITS MOYENS MENSUELS ET ANNUELS

GENERALITES

- superficie du bassin versant.....: 850 Km²
- coordonnées de la station: 06°53'N - 00°49'E
- cote du zero de l'échelle: 148 m. environ
- amplitude de l'échelle: 0 à 5 m.
- accès
- date de création: 11.02.1960
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 49
- maximum jaugé: H = 357-354 CM
estimé par mesure des vitesses de surface Q = 92 M³/S
date : 16.10.1953
- nombre de tarages entre 1983 et 1987: 2
- dernier étalonnage utilisé :
valide du 03.08.1984 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-030	0.000	050	3.000
-015	0.000	060	4.020
-010	0.020	070	5.300
-005	0.055	080	7.000
000	0.122	090	9.100
005	0.215	110	14.10
010	0.340	130	20.00
015	0.510	150	26.50
020	0.750	250	60.00
030	1.390	370	105.0
040	2.120	490	150.0

STATION : 1473402203 KATI
 RIVIERE : SIO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M³/S

LATIT. 6.52.44
 LONGIT. 0.49.20
 ALTIT. 140M
 AIRE 850.000 KM²

ANNEE	JANV	FEV	MARS	AVR	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1960	-	-	1.00	3.21	3.92	8.14	11.3	20.7	34.1	16.3	6.04	1.23	-
1961	-	.466	.343	.475	.578	1.43	1.89	.928	1.20	6.03	2.27	.741	-
1962	.451	.314	.389	.748	4.10	24.1	19.3	7.99	2.43	3.99	2.65	1.75	5.68
1963	1.16	2.12	2.91	4.09	1.93	6.96	-	-	-	-	-	-	-
1964	1.90	1.09	1.39	4.69	1.97	8.37	10.5	7.62	10.1	3.11	1.30	-	-
1965													
1966													
1967													
1968													
1969													
1970	-	-	-	.933	3.52	1.96	1.12	.948	8.52	9.11	1.99	.640	-
1971	.578	-	.783	1.21	.865	2.31	12.1	8.60	19.0	4.82	1.04	1.11	-
1972	.909	.696	.968	1.81	3.41	12.6	6.78	3.62	2.76	1.93	1.05	.979	3.13
1973	.922	.753	-	-	-	1.45	1.11	9.77	16.9	-	2.23	1.03	-
1974	.840	.686	.815	.799	2.26	2.89	7.25	4.36	18.2	10.6	2.01	1.03	4.31
1975	.741	.710	.887	7.13	4.09	3.08	9.41	8.19	20.7	11.6	2.25	1.30	5.84
1976	.904	.930	1.09	1.01	.865	4.95	1.72	4.10	5.68	13.0	11.2	1.19	3.89
1977	.956	.727	.673	.887	.811	.813	.993	.742	2.97	11.2	.703	.471	1.83
1978	.955	.659	1.66	5.23	5.57	8.98	5.11	1.50	7.49	13.6	-	1.37	-
1979	-	.871	1.00	1.16	9.79	9.76	21.5	10.9	10.9	14.8	4.19	-	-
1980	-	-	-	-	-	-	-	-	-	28.9	3.65	-	-
1981	1.15	.957	.857	.743	1.73	2.27	-	12.9	17.1	3.43	1.39	.860	-
1982	.569	1.13	1.25	-	-	1.21	4.26	3.05	2.52	1.77	2.19	-	-
1983	-	-	.170	.336	.080	.293	.297	.172	2.12	1.33	.171	.177	-
1984	.094	.029	.402	.523	.963	5.14	21.3	-	-	-	-	-	-
1985	-	.429	.364	1.37	.713	4.22	29.0	16.5	20.3	2.54	.855	.482	-
1986	.461	.395	1.22	-	1.48	1.42	2.01	1.33	3.14	6.34	4.22	.518	-
1987	.332	-	-	-	-	1.64	11.8	8.95	-	-	-	-	-
MOY.	.608	.763	.956	2.02	2.56	5.18	8.94	6.64	10.9	8.65	2.71	.930	4.11

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1473402203 KATI
 RIVIERE : SIO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.52.44
 LONGIT. 0.49.20
 ALTIT. 148M
 AIRE 850.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	.038	.052	.092	.336	.041	.031	.483	2.17	.277	.656	1
2	-	-	.027	.076	.059	.173	.030	.037	.365	1.91	.262	.426	2
3	-	-	.004	.317	.031	.117	.026	.031	.387	1.70	.215	.244	3
4	-	-	.014	.322	.020	.065	.119	.028	.839	1.74	.200	.158	4
5	-	-	.006	.146	.015	.405	.172	.021	.753	4.37	.144	.200	5
6	-	-	.006	.223	.091	.388	.143	.021	2.53	4.68	.074	.181	6
7	-	-	.006	.301	.177	.300	.045	.050	1.93	2.86	.093	.171	7
8	-	-	.003	.195	.200	.359	.067	.193	1.14	2.08	.119	.088	8
9	-	-	.000	.149	.095	.045	.183	.254	.919	1.77	.111	.050	9
10	-	-	.021	.159	.080	.089	1.49	.204	.820	1.59	.040	.039	10
11	-	-	.415	.645	.196	.114	1.66	.122	.717	1.21	.062	.033	11
12	-	-	.495	1.59	.127	.176	.879	.052	.577	1.11	.309	.312	12
13	-	-	.330	.762	.133	.620	.425	.060	.577	1.00	.372	.375	13
14	.325	-	.138	.388	.114	.487	.326	.088	1.25	1.09	.481	.419	14
15	.405	-	.033	.265	.042	.619	.211	.076	1.94	1.62	.354	.243	15
16	.360	-	.014	.252	.040	.317	.371	.060	1.13	1.44	.225	.163	16
17	.350	-	.316	.193	.040	.195	.583	.049	.992	1.21	.200	.172	17
18	.350	.020	.636	.199	.081	.170	.437	.035	5.37	1.07	.152	.151	18
19	-	.022	.630	.344	.076	.130	.348	.030	3.58	.888	.115	.145	19
20	-	.037	.561	.223	.025	1.10	.201	.029	2.72	.800	.060	.132	20
21	-	.040	.195	.453	.020	.626	.090	.018	3.53	.773	.122	.165	21
22	-	.040	.076	.395	.020	.472	.063	.072	2.38	.766	.196	.145	22
23	-	.044	.112	.451	.056	.456	.154	.145	3.71	.672	.200	.102	23
24	-	.077	.571	.373	.169	.385	.123	.124	3.58	.595	.149	.105	24
25	-	.116	.337	.267	.146	.228	.146	.313	2.99	.524	.097	.158	25
26	-	.116	.155	.323	.072	.149	.299	.091	4.26	.501	.062	.129	26
27	-	.082	.074	.564	.020	.099	.206	.222	4.71	.326	.054	.114	27
28	-	.070	.222	.238	.019	.067	.087	.173	4.11	.149	.051	.066	28
29	-	.010	.135	.010	.058	.164	.831	2.92	.122	.154	.054	.054	29
30	-	.004	.095	.016	.057	.091	1.12	2.55	.131	.283	.037	.30	30
31	-	.006	.205	.031	.761	.279	.054	31					
MO	-	-	.170	.336	.080	.293	.297	.172	2.12	1.33	.174	.177	MO

- : lacune + : lacune due à une cote hors bareme

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 2 MARS A 18H00
 MAXIMUM INSTANTANE : 8.72 M3/S LE 18 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 9 MARS
 MAXIMUM JOURNALIER : 5.37 M3/S LE 18 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1473402203 KATI
 RIVIERE : SIO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.52.44
 LONGIT. 0.49.20
 ALTIT. 148M
 AIRE 850.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.031	.373	.308	.165	.331	1.10	35.6	31.7	12.9	18.0	-	-	1
2	.056	.263	.225	.131	.546	1.36	31.0	121.	12.9	16.3	-	-	2
3	.058	.126	.056	.277	.592	1.04	31.4	106.	12.6	16.1	-	-	3
4	.044	.048	.010	.436	1.78	.871	19.9	-	12.6	14.5	-	-	4
5	.030	.013	.002	.289	2.03	1.00	14.6	-	12.6	12.8	-	-	5
6	.030	.002	.000	.197	2.36	.756	13.0	33.3	12.0	12.4	-	-	6
7	.025	.000	.005	.369	2.29	.719	9.04	41.2	11.9	12.1	-	-	7
8	.018	.000	.051	.214	1.68	.766	18.1	35.6	11.9	11.9	-	-	8
9	.018	.000	.195	.115	1.27	.616	17.4	28.7	-	11.9	-	-	9
10	.055	.000	.381	.323	.915	.410	11.5	40.3	-	11.9	-	-	10
11	.044	.000	.226	2.79	.800	.584	7.96	30.7	-	-	-	-	11
12	.025	.000	.112	1.48	.751	.618	11.6	21.2	-	-	-	-	12
13	.020	.000	.288	.806	1.11	.597	8.05	22.0	-	-	-	-	13
14	.020	.000	.141	.467	.935	.931	5.69	22.4	13.3	-	-	-	14
15	.020	.000	.085	.330	1.04	1.35	11.1	34.5	12.7	-	-	-	15
16	.021	.000	.554	.412	1.14	1.25	15.6	33.6	14.3	-	-	-	16
17	.041	.000	.431	.361	.854	1.15	14.4	21.1	18.1	-	-	-	17
18	.051	.000	.305	.255	.740	3.55	13.7	16.8	17.6	-	-	-	18
19	.031	.000	.132	.130	.543	28.7	15.4	13.0	16.3	-	-	-	19
20	.047	.000	.152	.130	.449	35.5	19.9	18.1	15.0	-	-	-	20
21	.058	.000	.272	.091	.391	19.7	14.1	24.6	14.3	-	-	-	21
22	.436	.000	.145	.181	.290	14.4	12.0	14.1	13.8	-	-	-	22
23	.275	.002	.414	.680	.270	7.83	9.08	19.3	13.0	-	-	-	23
24	.112	.002	3.12	.665	.343	6.14	7.22	13.7	13.0	-	-	-	24
25	.065	.000	1.80	.639	.325	5.04	13.1	12.0	-	-	-	-	25
26	.065	.000	.737	.676	.395	4.10	36.3	12.4	-	-	-	-	26
27	.491	.000	.395	1.07	.910	3.49	85.2	12.1	-	-	-	-	27
28	.391	.000	.447	.784	1.13	3.34	50.9	12.2	19.0	-	-	-	28
29	.108	.021	.376	.655	1.28	3.11	33.4	19.4	22.7	-	-	-	29
30	.027	.789	.563	1.17	4.28	42.8	15.0	20.0	-	-	-	-	30
31	.223	.298	1.22	31.3	15.7	-	-	-	-	-	-	-	31
MO	.094	.029	.402	.523	.963	5.14	21.3	-	-	-	-	-	MO

- : lacune + : lacune due à une cote hors bareme

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 6 FEVR A 18H00
 MAXIMUM INSTANTANE : 130. M3/S LE 2 AOUT A 05H00

MINIMUM JOURNALIER : .000 M3/S LE 7 FEVR
 MAXIMUM JOURNALIER : 121. M3/S LE 2 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1473402203 KATI
RIVIERE : SIO
PAYS : TOGO
BASSIN : LAC TOGO
DEBITS EN M3/S

LATIT. 6.52.44
LONGIT. 0.49.20
ALTIT. 148M
AIRE 850.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.218	.152	.256	.329	.779	12.9	18.2	6.39	4.59	1.29	.814	1
2	-	.262	.316	2.38	.391	.615	14.9	35.7	4.79	4.11	1.24	.820	2
3	-	.262	.400	5.20	.562	.484	31.2	40.9	8.39	4.01	1.05	.739	3
4	-	.209	.213	8.72	.778	.460	26.3	24.5	6.62	3.86	1.19	.687	4
5	-	.187	.176	3.25	.798	.586	21.0	22.5	24.5	4.41	1.12	.506	5
6	-	.198	.071	2.47	1.06	.461	17.0	20.0	25.2	5.19	.970	.423	6
7	-	.240	.000	3.40	.980	.406	54.6	22.2	39.1	3.59	.903	.373	7
8	-	.440	.000	2.30	1.88	.385	104.	19.0	23.1	3.01	1.14	.503	8
9	-	.672	.011	1.72	1.15	.310	61.5	17.8	29.7	2.91	1.15	.443	9
10	-	.664	.150	1.25	.839	.290	31.4	51.4	36.7	2.74	.914	.514	10
11	-	.758	.192	1.08	.615	.271	38.0	29.8	22.6	2.72	.785	.380	11
12	-	.793	.418	.808	.516	.653	42.3	20.0	25.5	2.65	.825	.485	12
13	-	.834	.594	.567	.309	3.07	25.1	15.2	29.1	2.50	.953	.822	13
14	-	.715	.416	.457	.332	3.66	40.7	19.2	36.2	2.30	.813	.762	14
15	-	.728	.229	.359	.368	2.53	32.1	15.1	46.0	2.08	.708	.570	15
16	-	.760	.648	.328	.740	4.24	22.9	12.3	41.7	1.98	.720	.491	16
17	-	.678	.612	.354	.894	3.27	16.9	11.3	26.2	2.07	.684	.463	17
18	-	.642	.600	.837	.805	2.69	15.2	9.22	20.3	2.39	.678	.421	18
19	-	.414	.606	.662	.451	2.46	33.1	10.8	31.0	2.02	.699	.346	19
20	-	.308	.603	.633	.562	4.75	33.1	14.6	21.6	1.83	.709	.400	20
21	-	.516	.517	1.06	.567	6.91	17.9	10.4	21.8	2.42	.706	.331	21
22	-	.364	.592	.825	.717	8.01	12.4	8.48	15.5	1.69	.630	.347	22
23	-	.193	.690	.613	.572	5.88	9.86	6.36	11.9	1.77	.641	.417	23
24	-	.251	.440	.408	.391	3.78	9.72	5.41	10.8	1.75	.796	.397	24
25	-	.203	.402	.290	.555	3.98	8.30	6.75	8.89	1.60	.762	.440	25
26	-	.160	.410	.228	.963	5.14	7.74	8.48	9.74	1.38	.827	.397	26
27	-	.161	.596	.228	.607	13.0	23.1	7.23	8.54	1.35	.799	.448	27
28	-	.184	.453	.216	.516	13.1	28.7	9.09	6.79	1.35	.654	.372	28
29	-	.294	.171	.672	20.2	44.7	6.82	5.75	1.35	.624	.303	.29	29
30	-	.258	.180	1.22	14.3	39.3	4.72	5.09	1.67	.665	.254	.30	30
31	-	.228		.965		21.5	8.23		1.40		.290	31	
MO	-	.429	.364	1.37	.713	4.22	29.0	16.5	20.3	2.54	.855	.482	MO

- : lacune + : lacune due à une cote hors barème
ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 6 MARS A 18H00
MAXIMUM INSTANTANE : 120. M3/S LE 8 JUIL A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 7 MARS
MAXIMUM JOURNALIER : 104. M3/S LE 8 JUIL

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1473402203 KATI
RIVIERE : SIO
PAYS : TOGO
BASSIN : LAC TOGO
DEBITS EN M3/S

LATIT. 6.52.44
LONGIT. 0.49.20
ALTIT. 148M
AIRE 850.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.488	.663	.957	2.03	.521	1.43	.512	1.31	1.68	2.16	9.88	.967	1
2	.742	.609	.695	1.90	.453	1.32	.630	1.92	1.29	2.12	11.6	.896	2
3	.682	.543	.690	1.99	1.23	1.35	.918	1.65	.919	2.92	14.8	.785	3
4	.535	.329	.536	1.54	1.31	2.31	1.26	1.46	.817	14.1	13.3	.741	4
5	.404	.303	.353	1.26	1.03	4.21	1.03	1.32	1.01	13.7	10.8	.834	5
6	.440	.231	.423	1.07	.773	3.27	1.42	1.30	1.48	5.94	8.82	.754	6
7	.528	.237	.581	.937	1.06	2.56	1.53	1.00	1.14	4.30	7.28	.663	7
8	.419	.280	2.17	.764	.743	2.09	1.21	1.28	1.04	3.50	6.81	.693	8
9	.344	.552	1.57	.782	.678	1.83	.934	1.44	.981	2.90	4.61	.615	9
10	.461	.603	1.28	.739	.715	1.50	1.67	1.23	1.00	4.79	4.06	.648	10
11	.618	.476	.915	.823	1.02	1.57	2.01	1.00	1.99	3.84	3.61	.657	11
12	.546	.338	.583	1.17	1.06	1.65	3.86	.817	2.15	3.02	3.61	.696	12
13	.593	.270	.823	.895	.847	1.37	2.84	.751	1.40	2.21	3.14	.615	13
14	.410	.291	.826	.613	.684	1.66	2.43	1.73	2.61	1.90	2.33	.658	14
15	.480	.716	.485	-	.764	1.28	1.98	3.10	9.28	1.70	2.21	.721	15
16	.355	.377	.397	.509	.980	1.28	1.69	1.84	8.71	1.84	1.91	.585	16
17	.329	.446	1.11	.453	1.48	1.32	1.52	1.36	9.63	2.46	1.82	.455	17
18	.419	.345	.650	.348	2.01	1.31	1.32	1.14	7.89	3.08	1.58	.451	18
19	.380	.339	.445	.682	7.95	1.16	1.26	.977	5.37	3.17	1.52	.377	19
20	.402	.308	.589	1.20	3.56	.907	1.22	.931	3.96	17.7	1.35	.279	20
21	.472	.321	.485	.933	2.33	.741	6.91	1.53	3.54	18.0	1.31	.281	21
22	.616	.226	.642	.736	1.77	.834	5.72	1.20	3.57	11.0	1.23	.323	22
23	.422	.237	1.44	.668	1.39	.975	3.65	.914	3.07	9.66	1.35	.278	23
24	.338	.220	1.44	.991	1.60	.966	2.94	.809	2.74	6.89	1.37	.232	24
25	.306	.270	3.80	1.08	1.24	.708	2.30	1.63	2.34	6.34	1.16	.263	25
26	.332	.249	4.18	.717	1.02	.668	1.88	1.62	3.05	5.03	1.10	.333	26
27	.624	.590	2.18	.609	1.10	.769	1.89	1.27	3.37	4.01	1.04	.367	27
28	.553	.691	2.66	.676	1.33	.615	1.68	1.25	3.34	5.23	.958	.245	28
29	.357		2.04	.685	1.30	.556	1.53	1.38	2.58	7.60	1.11	.217	29
30	.317		1.57	.609	2.22	.425	1.38	.934	2.21	11.0	1.02	.216	30
31	.381		1.42		1.82		1.22	1.29		14.6		.231	31
MO	.461	.395	1.22	-	1.48	1.42	2.01	1.33	3.14	6.34	4.22	.518	MO

- : lacune + : lacune due à une cote hors barème
ANNEE INCOMPLETE

MINIMUM INSTANTANE : .196 M3/S LE 30 DECE A 18H00
MAXIMUM INSTANTANE : 33.2 M3/S LE 20 OCTO A 18H00

MINIMUM JOURNALIER : .216 M3/S LE 30 DECE
MAXIMUM JOURNALIER : 18.0 M3/S LE 21 OCTO

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1473402203 KATI
RIVIERE : SIO
PAYS : TOGO
BASSIN : LAC TOGO
DEBITS EN M3/S

LATIT. 5.52.44
LONGIT. 0.49.20
ALTIT. 148M
AIRE 850.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.350	.141	-	-	-	.679	5.55	7.75	7.62	-	-	-	1
2	.375	-	-	-	-	.331	2.66	5.75	11.4	-	-	-	2
3	.413	-	-	-	-	.257	1.96	4.66	8.22	-	-	-	3
4	.329	-	-	-	-	.336	1.60	4.72	9.21	-	-	-	4
5	.245	-	-	-	.155	.246	1.29	5.22	10.5	-	-	-	5
6	.229	-	-	-	.255	.286	1.19	5.01	14.0	-	-	-	6
7	.237	-	-	-	.312	.880	.955	3.95	11.7	-	-	-	7
8	.188	-	-	-	.242	.603	.720	3.32	9.70	-	-	-	8
9	.169	-	-	-	.237	.455	15.5	6.77	6.78	-	-	-	9
10	.152	-	-	-	.218	.799	11.2	6.61	6.00	-	-	-	10
11	.263	-	-	-	.204	1.33	5.18	9.81	10.2	-	-	-	11
12	.400	-	-	-	.170	1.10	16.7	10.3	11.8	-	-	-	12
13	.333	-	-	-	.150	.830	25.3	12.7	12.6	-	-	-	13
14	.394	-	-	-	.177	.553	13.6	10.0	7.97	-	-	-	14
15	.429	-	-	-	.225	.663	10.0	8.45	6.09	-	-	-	15
16	.408	-	-	-	.357	1.56	13.5	7.19	8.74	-	-	-	16
17	.392	-	-	-	.431	2.01	40.8	21.4	11.8	-	-	-	17
18	.436	-	-	-	.327	1.07	19.9	19.1	9.39	-	-	-	18
19	.374	-	-	-	.222	.669	33.4	9.31	20.1	-	-	-	19
20	.344	-	-	-	.218	.626	17.5	7.73	15.6	-	-	-	20
21	.655	-	-	-	.202	2.78	12.0	6.31	20.1	-	-	-	21
22	.589	-	-	-	.194	3.24	15.2	4.94	51.7	-	-	-	22
23	.332	-	-	-	.161	2.15	11.3	6.66	47.8	-	-	-	23
24	.213	-	-	-	.158	1.58	8.84	6.52	28.7	-	-	-	24
25	.298	-	-	-	.141	1.99	12.7	14.7	25.8	-	-	-	25
26	.186	-	-	-	.151	2.38	8.79	11.0	51.2	-	-	-	26
27	.198	-	-	-	.189	3.01	8.21	16.5	45.1	-	-	-	27
28	.464	-	-	-	.285	5.45	17.5	11.6	55.3	-	-	-	28
29	.518	-	-	-	.292	3.20	12.1	7.48	31.0	-	-	-	29
30	.225	-	-	-	.566	8.03	9.00	11.5	-	-	-	-	30
31	.150	-	-	-	1.08	-	13.1	10.6	-	-	-	-	31
MO	.332	-	-	-	-	1.64	11.8	6.95	-	-	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .141 M3/S LE 10 JANV A 16H00

MAXIMUM INSTANTANE : 73.1 M3/S LE 28 SEPT A 05H00

MINIMUM JOURNALIER : .141 M3/S LE 1 FEVR

MAXIMUM JOURNALIER : 55.3 M3/S LE 28 SEPT

GENERALITES

- superficie du bassin versant.....: 1.810 Km²
- coordonnées de la station: 06°31'N - 01°00'E
- cote du zero de l'échelle: 52.915 m. (IGN)
- amplitude de l'échelle: 0 à 7.00 m.
- accès: Piste ASSAHOUN-GAPE
- date de création: 23.08.1953
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 84
- maximum jaugé: H = 523-519 CM
Q = 83.2 M³/S
date : 17.10.1963
- nombre de tarages entre 1983 et 1987: 3
- dernier étalonnage utilisé :
valide du 17.07.1986 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	00000	100	2.420
014	00200	120	3.820
018	0.008	140	5.560
022	0.027	160	7.800
029	0.081	175	9.500
040	0.205	200	12.80
050	0.345	225	16.70
060	0.520	250	21.00
068	0.710	300	31.80
075	0.965	440	63.00
080	1.270	700	121.0
090	1.820		

STATION : 1473402205 KPEDJI

RIVIERE : SIO

PAYS : TOGO

BASSIN : LAC TOGO

DEBITS EN M3/S

LATIT. 6.31.54

LONGIT. 1.00.30

ALTIT. 534

AIRE 1810.00 KM2

ANNEE	JANV	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1953	-	-	-	-	-	-	-	-	3.96	7.41	2.62	1.04	-
1954	1.05	.748	1.25	1.78	2.02	16.3	10.8	2.24	6.65	29.6	8.07	2.30	6.90
1955	1.33	.963	1.74	5.49	11.1	14.1	15.7	8.13	7.56	18.4	8.10	1.72	7.86
1956	.864	.709	1.42	3.18	3.31	9.57	3.31	.895	1.12	1.98	1.30	1.00	2.39
1957	.352	.266	1.55	3.76	9.92	29.9	32.3	19.3	-	36.8	6.75	4.22	-
1958	1.70	1.12	1.84	1.22	3.38	9.62	1.91	.764	.887	1.33	.940	.468	2.10
1959	.250	.191	.229	.556	5.48	4.75	5.56	2.76	10.6	22.8	4.43	2.58	5.02
1960	.770	.460	.751	3.87	4.09	8.19	11.3	29.2	36.3	-	-	-	-
1961	1.25	.631	-	.609	.613	1.72	2.24	1.13	1.20	7.49	2.44	.658	-
1962	.252	.141	1.27	.511	7.89	66.8	48.3	24.8	6.48	6.08	3.31	2.32	14.0
1963	1.05	1.79	3.48	-	-	-	54.8	62.7	64.0	-	18.9	-	-
1964	-	-	.926	3.07	2.89	19.8	27.0	11.3	11.1	4.56	1.33	.841	-
1965	.792	-	-	-	3.15	28.3	38.3	20.5	23.4	7.38	2.76	.909	-
1966	.551	.416	.923	.686	.479	3.29	14.2	26.5	13.3	24.2	1.84	.807	7.27
1967	.515	.326	.608	6.96	6.45	22.6	18.6	5.16	15.4	32.2	3.07	1.39	9.44
1968	.738	1.05	.740	1.72	2.65	-	-	-	-	-	10.6	2.95	-
1969	1.78	1.17	1.18	2.26	1.61	26.5	29.9	12.5	6.01	7.81	9.86	1.70	8.52
1970	1.00	.723	.847	.875	3.09	5.83	2.05	.919	6.07	13.8	5.81	.669	3.47
1971	.448	.284	1.20	1.17	.676	2.19	21.6	20.7	27.5	10.6	1.03	1.14	7.38
1972	.517	.347	.681	2.37	5.74	24.8	5.77	6.83	3.11	2.34	.955	.472	4.49
1973	.375	.160	.079	.527	.546	1.64	2.82	9.67	35.9	11.4	3.51	.678	5.61
1974	.369	.254	.416	.381	4.46	12.8	10.0	6.88	19.4	20.5	3.30	.902	6.64
1975	.458	.571	.588	6.08	6.06	6.33	21.0	8.26	23.6	25.1	3.99	1.91	8.66
1976	.766	.872	1.86	.920	.717	7.37	2.74	2.97	3.71	13.5	9.51	1.04	3.83
1977	.704	.424	.287	.372	.444	.541	.432	.282	1.62	16.4	1.11	.406	1.92
1978	.275	.297	.983	3.00	5.44	14.4	4.78	1.26	3.64	12.3	5.01	.907	4.36
1979	.747	.463	.454	.551	15.2	21.5	50.0	21.6	20.5	31.6	10.3	1.50	14.5
1980	.645	.470	.366	.451	1.50	36.8	10.2	37.1	34.4	52.8	8.23	1.43	15.4
1981	.823	.595	.464	.640	1.52	2.36	15.8	11.4	24.8	12.4	2.59	.859	6.19
1982	.632	.420	1.29	.545	1.40	3.63	19.8	2.68	3.16	2.11	2.10	.647	3.20
1983	.235	.020	.009	.177	.097	.342	.256	.094	1.50	1.65	.248	.257	.407
1984	.046	.000	.861	1.25	.917	3.19	19.7	55.9	22.3	19.8	2.75	1.21	10.7
1985	.721	.404	.312	2.21	.854	2.45	43.0	40.1	35.8	6.07	2.21	.865	11.3
1986	.409	.350	1.24	1.13	1.15	1.87	3.87	1.71	2.75	5.28	8.08	.874	2.39
1987	.417	.275	.287	.333	.255	3.97	7.92	31.7	-	-	2.21	.862	-
MOY.	.692	.528	.942	1.83	3.49	12.9	16.9	14.8	14.9	15.0	4.68	1.26	6.69

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1473402205 KPEDI
 RIVIERE : SIO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.31.54
 LONGIT. 1.00.30
 ALTIT. 53M
 AIRE 1810.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.249	.025	.017	.000	.248	.051	.223	.208	.087	3.51	.387	.156	1
2	.207	.020	.018	.000	.263	.050	.187	.170	.073	3.19	.315	.180	2
3	.185	.017	.017	.000	.209	.071	.160	.136	.196	2.80	.299	.170	3
4	.171	.014	.017	.000	.155	.064	.144	.139	.528	2.33	.302	.349	4
5	.156	.015	.018	.000	.116	.054	.125	.128	.584	2.03	.333	.314	5
6	.155	.016	.016	.000	.094	.047	.111	.101	.560	1.89	.306	.419	6
7	.170	.011	.016	.000	.077	.039	.106	.087	.372	1.63	.299	.402	7
8	.236	.004	.014	.000	.066	.084	.100	.076	.395	2.47	.316	.321	8
9	.225	.001	.013	.000	.051	.128	.095	.067	1.55	3.44	.327	.261	9
10	.164	.009	.013	.001	.045	.144	.101	.061	1.77	3.09	.296	.219	10
11	.143	.026	.013	.002	.066	.233	.151	.064	1.54	2.33	.278	.231	11
12	.132	.023	.013	.002	.058	.443	.146	.069	1.31	1.90	.194	.259	12
13	.126	.022	.013	.000	.047	.734	.155	.060	.983	1.88	.193	.228	13
14	.115	.020	.013	.000	.037	.590	.228	.070	.827	1.74	.204	.193	14
15	.162	.019	.013	.000	.036	.436	.831	.166	.728	1.38	.192	.165	15
16	.249	.021	.011	.071	.054	.393	.742	.168	.606	1.19	.160	.156	16
17	.240	.019	.009	.692	.093	.472	.679	.135	.673	1.19	.173	.173	17
18	.251	.019	.008	.514	.119	.463	.441	.110	1.65	1.41	.319	.322	18
19	.544	.019	.007	.366	.158	.542	.337	.088	1.42	1.38	.348	.409	19
20	.610	.071	.006	.335	.146	.574	.278	.082	1.07	1.30	.277	.355	20
21	.589	.032	.006	.283	.128	.494	.360	.095	1.49	1.10	.248	.337	21
22	.556	.021	.005	.223	.102	.360	.376	.095	2.77	.980	.243	.311	22
23	.502	.019	.003	.349	.080	.275	.321	.088	2.56	.896	.216	.256	23
24	.375	.019	.002	.370	.070	.745	.282	.080	2.98	.858	.180	.234	24
25	.275	.019	.001	.259	.065	.769	.246	.073	2.62	.850	.150	.319	25
26	.178	.019	.000	.324	.076	.510	.193	.061	2.55	1.00	.144	.262	26
27	.114	.019	.000	.363	.083	.452	.155	.053	3.23	.818	.133	.211	27
28	.076	.019	.000	.482	.080	.397	.137	.045	3.03	.715	.207	.198	28
29	.054	.000	.000	.357	.068	.345	.153	.038	3.17	.636	.220	.187	29
30	.039	.000	.000	.302	.063	.288	.152	.037	3.61	.583	.186	.168	30
31	.030	.000	.000	.057	.057	.218	.082	.082	.477	.477	.193	.193	31
MO	.235	.020	.009	.177	.097	.342	.256	.094	1.50	1.65	.248	.257	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 5 FEVR A 16H30
 MAXIMUM INSTANTANE : 3.63 M3/S LE 30 SEPT A 05H00

MINIMUM JOURNALIER : .000 M3/S LE 26 MARS
 MAXIMUM JOURNALIER : 3.61 M3/S LE 30 SEPT

DEBIT MOYEN ANNUEL : .407 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1473402205 KPEDI
 RIVIERE : SIO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.31.54
 LONGIT. 1.00.30
 ALTIT. 53M
 AIRE 1810.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.174	.006	.000	.959	.661	.719	6.38	63.4	9.61	30.1	4.41	1.53	1
2	.155	.006	.000	1.29	.714	1.05	5.92	44.2	10.8	36.6	5.14	1.53	2
3	.139	.005	.000	1.04	.680	1.12	4.85	47.1	13.7	33.6	4.70	1.50	3
4	.120	.003	.000	3.59	.596	1.05	5.12	84.9	16.2	28.4	4.06	1.48	4
5	.103	.001	.000	1.47	.613	1.03	6.63	109.	14.6	24.8	3.72	1.45	5
6	.087	.000	.000	.811	.546	1.01	9.95	110.	12.0	21.9	3.33	1.40	6
7	.074	.000	.000	.594	.770	.978	13.3	86.9	10.9	21.7	3.06	1.38	7
8	.066	.000	.000	.486	1.57	.879	22.4	80.7	11.7	27.1	2.93	1.36	8
9	.057	.000	.000	1.74	1.86	.860	19.1	88.6	11.6	29.9	2.94	1.36	9
10	.048	.000	.000	10.1	1.70	.828	15.2	85.3	9.48	32.9	2.81	1.36	10
11	.045	.000	.000	2.60	1.73	.764	11.8	70.9	8.02	30.4	2.66	1.34	11
12	.051	.000	.000	.952	1.54	.700	13.4	50.3	7.24	25.1	2.54	1.31	12
13	.048	.000	.000	.703	1.28	.639	10.7	46.8	6.43	18.7	2.46	1.26	13
14	.042	.000	.000	.930	1.05	.598	9.90	54.1	6.06	13.8	2.30	1.19	14
15	.034	.000	.012	.658	.876	.493	9.02	47.1	5.39	13.8	2.18	1.15	15
16	.028	.000	.009	1.52	.794	.520	7.98	63.5	5.85	16.4	2.10	1.15	16
17	.023	.000	.004	1.19	.995	.606	7.35	74.7	8.48	19.6	2.05	1.10	17
18	.018	.000	.003	.861	1.24	1.10	6.68	84.8	14.5	19.4	2.55	1.05	18
19	.015	.000	.001	.711	1.02	5.28	7.15	74.1	21.6	29.1	3.15	1.05	19
20	.012	.000	.109	.564	1.15	3.71	9.56	55.1	35.5	24.8	3.08	1.05	20
21	.010	.000	1.61	.459	1.03	7.71	9.63	43.2	65.2	20.6	2.85	1.03	21
22	.010	.000	1.14	.465	.894	9.95	12.2	36.1	55.5	18.7	2.65	1.05	22
23	.011	.000	6.87	.535	.781	6.66	10.4	33.8	43.3	16.2	2.37	1.01	23
24	.010	.000	4.74	.487	.619	5.76	10.3	36.9	48.3	12.3	2.17	1.01	24
25	.008	.000	2.72	.407	.537	6.75	12.1	34.5	44.4	11.0	1.95	1.01	25
26	.008	.000	1.66	.325	.649	7.81	13.7	27.9	44.3	8.54	1.84	1.00	26
27	.008	.000	1.26	.308	.531	7.98	53.0	25.7	40.3	7.18	1.75	1.13	27
28	.008	.000	1.17	.439	.498	7.40	45.7	24.6	33.5	6.15	1.69	1.04	28
29	.008	.000	1.98	.666	.452	6.31	55.8	20.6	27.6	5.50	1.62	1.07	29
30	.006	.000	2.17	.714	.492	5.35	96.0	16.1	27.0	5.05	1.57	1.05	30
31	.006	.000	1.22	.555	.555	89.5	11.4	.476	.476	.476	.108	.108	31
MO	.046	.000	.861	1.25	.917	3.19	19.7	55.9	22.3	19.8	2.75	1.21	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 5 FEVR A 16H30
 MAXIMUM INSTANTANE : 114. M3/S LE 6 AOUT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 6 FEVR
 MAXIMUM JOURNALIER : 110. M3/S LE 6 AOUT

DEBIT MOYEN ANNUEL : 10.7 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1473402205 KPEDI
 RIVIERE : SIO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.31.54
 LONGIT. 1.00.30
 ALTIT. 53M
 AIRE 1810.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	1.10	.432	.240	.434	.482	1.51	6.30	48.9	9.65	10.9	4.65	1.13	1
2	1.05	.451	.252	.363	.498	1.27	7.60	53.6	8.92	10.1	5.39	1.06	2
3	.954	.380	.216	.412	.442	1.45	8.13	44.5	12.5	10.2	3.88	1.07	3
4	.830	.346	.182	.430	.580	2.28	9.55	38.5	11.7	11.2	2.95	1.16	4
5	.775	.330	.186	.702	.864	1.65	12.3	51.5	10.5	8.88	2.52	1.27	5
6	.855	.316	.207	3.40	.850	1.01	15.4	64.0	10.9	8.21	2.84	1.13	6
7	.848	.336	.174	5.50	.846	.777	26.5	74.0	11.7	7.71	2.77	1.07	7
8	.846	.328	.223	7.52	.849	.628	48.8	61.4	16.7	7.63	2.44	.977	8
9	.846	.306	.226	8.22	.876	.597	52.0	55.1	34.9	6.83	2.40	.885	9
10	.823	.283	.182	8.20	.861	.502	47.9	57.3	53.2	5.98	3.67	.926	10
11	.714	.268	.154	5.56	1.10	.427	78.5	50.7	51.8	5.28	3.14	.882	11
12	.609	.243	.130	3.52	1.23	.382	97.7	41.4	46.4	5.35	2.83	.864	12
13	.575	.349	.115	2.54	1.05	.380	79.9	46.2	53.6	9.09	2.51	.888	13
14	.541	.466	.109	2.06	.862	.388	68.8	46.5	108.	7.30	2.10	.827	14
15	.547	.489	.151	1.61	.758	.644	66.6	37.0	78.9	5.89	1.86	.782	15
16	.596	.492	.175	1.44	.608	1.89	58.2	37.7	57.3	5.77	1.74	1.00	16
17	.547	.514	.305	1.31	.490	3.02	48.6	50.7	59.3	8.38	1.59	.991	17
18	.809	.515	.411	1.05	.439	2.98	51.0	43.2	52.9	6.31	1.50	.836	18
19	.873	.515	.321	.930	.524	3.16	46.7	37.3	52.3	6.15	1.39	.799	19
20	.865	.517	.260	1.02	.772	3.47	57.5	46.0	48.6	5.94	1.42	.751	20
21	1.01	.539	.391	1.38	.940	2.90	42.8	36.9	45.0	4.82	1.36	.760	21
22	.846	.538	.475	1.79	.806	2.86	47.3	33.6	40.7	4.11	1.30	.673	22
23	.717	.528	.456	1.20	.628	3.87	63.9	40.4	41.6	3.62	1.37	.700	23
24	.634	.465	.456	1.17	.725	4.97	49.9	37.7	35.0	3.19	1.26	.683	24
25	.553	.346	.823	1.17	.873	5.39	35.3	29.0	30.8	2.96	1.19	.624	25
26	.514	.393	.613	1.00	.850	5.20	28.0	21.1	26.0	2.82	1.13	.659	26
27	.479	.359	.525	.824	1.18	4.44	27.5	14.9	20.6	2.69	1.22	.694	27
28	.518	.276	.480	.638	1.13	4.76	51.9	11.7	15.8	2.56	1.29	.617	28
29	.616		.464	.525	.905	5.07	28.7	11.4	14.3	2.47	1.32	.700	29
30	.452		.405	.449	1.04	5.53	30.4	11.6	14.5	2.69	1.29	.731	30
31	.417		.358		2.42		40.2	10.6		3.20		.684	31
MO	.721	.404	.312	2.21	.854	2.45	43.0	40.1	35.8	6.07	2.21	.865	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .107 M3/S LE 14 MARS A 06H00
 MAXIMUM INSTANTANE : 117. M3/S LE 14 SEPT A 16H30

MINIMUM JOURNALIER : .109 M3/S LE 14 MARS
 MAXIMUM JOURNALIER : 108. M3/S LE 14 SEPT

DEBIT MOYEN ANNUEL : 11.3 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1473402205 KPEDI
 RIVIERE : SIO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.31.54
 LONGIT. 1.00.30
 ALTIT. 53M
 AIRE 1810.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.651	.353	.397	2.33	.644	1.44	.839	2.38	1.30	3.54	13.3	1.52	1
2	.565	.313	.433	1.96	.708	1.58	.851	2.06	1.18	3.11	13.1	1.46	2
3	.489	.271	.558	1.67	.682	1.86	.784	1.85	1.29	2.72	14.3	1.41	3
4	.471	.263	.725	2.01	.729	1.74	.957	1.91	1.78	2.72	17.6	1.35	4
5	.505	.318	.715	1.94	.653	1.53	2.93	2.44	1.56	2.62	22.1	1.30	5
6	.611	.423	.625	2.04	.745	1.47	5.19	2.14	1.24	2.71	25.5	1.24	6
7	.662	.405	.586	1.71	.904	2.10	5.75	1.84	1.06	4.60	22.6	1.18	7
8	.560	.351	.728	1.43	.918	3.57	3.86	1.81	1.09	5.82	19.0	1.15	8
9	.457	.298	2.48	1.24	.884	3.37	2.69	1.65	1.63	5.91	15.3	1.12	9
10	.428	.269	1.95	1.10	.951	2.74	2.41	1.50	1.44	5.46	12.2	1.05	10
11	.427	.249	2.05	1.06	.876	2.65	1.96	1.67	1.32	4.90	9.83	.965	11
12	.417	.238	1.83	.962	.766	2.11	2.01	1.72	1.20	4.38	7.56	.911	12
13	.398	.272	1.40	.953	.720	1.81	2.35	1.49	1.32	4.66	5.98	.892	13
14	.381	.400	1.10	.879	.777	1.63	3.03	1.30	1.73	4.26	4.90	.892	14
15	.413	.469	.873	.959	.899	1.72	5.61	1.15	2.43	3.46	4.28	.889	15
16	.374	.427	.745	1.04	.858	1.62	7.21	1.06	1.97	2.98	3.78	.874	16
17	.363	.397	.794	.816	.770	1.41	8.24	1.64	2.47	2.71	3.33	.874	17
18	.368	.378	.730	.702	.767	1.42	5.11	2.91	4.18	2.66	3.07	.855	18
19	.431	.487	.613	.639	.802	1.57	3.55	2.33	5.12	2.59	2.80	.818	19
20	.422	.464	.532	.603	.931	3.09	2.78	1.85	5.49	3.90	2.55	.742	20
21	.340	.392	.876	.534	1.22	3.16	2.50	1.52	5.91	6.78	2.33	.644	21
22	.298	.368	.735	.501	2.90	2.43	2.33	1.36	5.56	5.72	2.21	.643	22
23	.290	.317	.647	1.00	3.24	1.94	4.38	1.39	4.92	6.11	2.09	.567	23
24	.290	.313	.676	1.08	2.37	1.55	7.26	1.75	4.19	7.23	1.97	.518	24
25	.290	.306	.632	.818	1.89	1.35	8.78	1.51	3.98	8.38	1.89	.493	25
26	.291	.296	1.10	.749	1.65	1.37	7.82	1.26	3.74	9.28	1.93	.468	26
27	.321	.350	1.86	.755	1.55	1.23	5.42	1.08	3.39	10.3	1.84	.459	27
28	.314	.422	2.99	.959	1.44	1.03	4.15	1.56	3.08	9.87	1.69	.450	28
29	.296		3.62	.813	1.22	.896	3.47	1.85	3.36	8.21	1.63	.435	29
30	.276		2.91	.689	1.12	.862	3.04	1.54	3.54	7.10	1.57	.459	30
31	.273		2.67		1.11		2.70	1.38		9.11		.458	31
MO	.409	.350	1.24	1.13	1.15	1.87	3.87	1.71	2.75	5.28	8.08	.874	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .236 M3/S LE 12 FEVR A 06H00
 MAXIMUM INSTANTANE : 25.8 M3/S LE 6 NOVE A 06H00

MINIMUM JOURNALIER : .238 M3/S LE 12 FEVR
 MAXIMUM JOURNALIER : 25.5 M3/S LE 6 NOVE

DEBIT MOYEN ANNUEL : 2.35 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1473402205 KPEDJI
 RIVIERE : SIO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.31.54
 LONGIT. 1.00.30
 ALTIT. 53M
 AIRE 1810.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.423	.319	.375	.658	.178	1.58	7.03	15.5	31.4	76.3	4.63	1.16	1
2	.406	.458	.301	.439	.160	1.48	3.92	15.7	27.4	61.9	4.08	1.00	2
3	.399	.376	.233	.362	.141	3.25	3.00	15.0	24.5	53.9	3.74	.962	3
4	.395	.281	.205	.297	.109	2.03	3.46	13.9	21.6	45.2	3.77	.956	4
5	.390	.228	.242	.375	.098	.917	2.88	12.2	17.9	52.6	3.72	1.02	5
6	.423	.211	.206	.496	.092	.551	2.85	10.5	15.5	50.2	3.22	.963	6
7	.496	.189	.177	.604	.077	.398	2.55	8.50	15.2	39.7	2.88	1.24	7
8	.450	.176	.164	.734	.078	.355	1.91	9.55	14.0	31.7	2.70	1.31	8
9	.404	.161	.165	.587	.091	.327	1.93	27.6	17.4	27.4	2.59	1.06	9
10	.355	.161	.189	.475	.086	.275	1.57	21.5	26.4	26.4	2.44	.965	10
11	.336	.169	.144	.396	.212	.321	1.24	57.2	31.5	-	2.24	.911	11
12	.318	.156	.137	.332	.291	.384	2.11	15.4	31.9	-	2.19	.873	12
13	.311	.177	.126	.301	.240	.358	4.08	10.1	28.2	-	2.44	.881	13
14	.316	.186	.172	.267	.225	.422	4.15	10.3	22.6	-	2.24	.990	14
15	.316	.166	.511	.232	.256	3.92	4.27	11.0	22.2	-	2.02	.927	15
16	.411	.153	.527	.194	.211	6.62	5.03	15.7	27.1	-	1.82	.838	16
17	.443	.129	.473	.175	.175	1.29	5.41	28.4	28.4	32.3	1.71	.800	17
18	.461	.289	.399	.148	.196	.701	5.97	34.2	23.5	-	1.64	.792	18
19	.484	.420	.379	.125	.176	.664	6.70	29.8	21.8	37.5	1.66	.850	19
20	.487	.367	.370	.106	.185	.914	7.35	40.6	20.8	42.1	1.62	.854	20
21	.503	.386	.330	.155	.367	1.24	8.98	60.1	30.3	36.6	1.52	.817	21
22	.518	.383	.289	.215	.337	1.02	12.0	48.1	58.0	33.2	1.46	.742	22
23	.484	.428	.275	.220	.288	.768	15.6	62.3	79.5	-	1.44	.677	23
24	.485	.460	.254	.307	.245	.708	19.1	37.7	-	-	1.38	.673	24
25	.638	.368	.240	.317	.206	1.43	19.8	35.4	114.	-	1.27	.652	25
26	.573	.305	.249	.329	.189	4.00	17.8	38.0	96.2	11.7	1.21	.662	26
27	.456	.271	.300	.300	.181	33.2	16.6	57.4	78.3	9.84	1.18	.635	27
28	.363	.339	.302	.272	.153	19.3	15.7	86.4	70.5	8.63	1.15	.590	28
29	.323		.335	.329	.284	15.5	14.2	66.4	80.9	7.53	1.11	.575	29
30	.295		.345	.239	1.20	15.2	13.7	47.9	84.0	6.26	1.08	.662	30
31	.267		.475		1.16		14.6	39.8		5.22		.696	31
MO	.417	.275	.287	.333	.255	3.97	7.92	31.7	-	-	2.21	.862	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .073 M3/S LE 7 MAI A 16H30
 MAXIMUM INSTANTANE : 119. M3/S LE 25 SEPT A 00H00

MINIMUM JOURNALIER : .077 M3/S LE 7 MAI
 MAXIMUM JOURNALIER : 114. M3/S LE 25 SEPT

GENERALITES

- superficie du bassin versant.....: 2.520 Km²
- coordonnées de la station: 06°15'N - 01°10'E
- cote du zero de l'échelle: 9.639 m. (IGN)
- amplitude de l'échelle: 0 à 6.00 m.
- accès: Pont de la route LOME-ATAKPAME
- date de création: 06.08.1961
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 144
- maximum jaugeé: H = 450 CM
Q = 84.9 M³/S
date : 27.07.1964
- nombre de tarages entre 1983 et 1987: 3
- dernier étalonnage utilisé :
valide du 16.07.1985 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-050	00000	170	7.750
-013	00000	190	9.400
-008	0.050	210	11.50
000	0.160	240	14.80
010	0.320	260	17.60
020	0.510	280	21.60
040	0.960	300	27.20
060	1.500	320	34.50
070	1.830	340	45.80
080	2.210	360	63.00
090	2.620	380	90.40
110	3.600	400	124.0
130	4.750	430	180.0
150	6.140	500	310.0

STATION : 1473402209 TOGBLEKOPE

RIVIERE : SIO

PAYS : TOGO

BASSIN : LAC TOSO

DEBITS EN M³/S

LATIT. 6.17.00

LONGIT. 1.13.00

ALTIT. 91

AIRE 2520.00 KM2

ANNEE	JANV	FEV	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1961	-	-	-	-	-	-	-	-	-	4.85	2.55	.758	-
1962	.400	-	.725	.672	5.45	51.4	42.4	23.9	5.00	4.49	3.49	2.39	-
1963	1.21	1.32	2.85	3.94	3.95	6.87	37.5	49.1	41.4	50.4	21.3	3.52	19.3
1964	1.88	1.11	1.00	3.57	4.24	20.4	29.5	16.8	10.8	-	2.47	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-	-
1966	-	.426	.484	1.47	.443	14.2	16.6	17.9	13.2	23.2	2.84	.977	-
1967	.590	.378	.488	-	13.1	30.1	27.0	5.69	9.74	-	7.74	1.93	-
1968	1.42	1.42	1.29	1.51	3.44	24.6	-	53.4	54.0	41.8	14.4	-	-
1969	-	-	-	-	-	-	-	-	-	-	-	-	-
1970	-	-	.585	.541	4.83	9.18	-	.836	-	10.4	8.24	.850	-
1971	-	.516	1.13	1.08	.990	3.70	18.1	23.4	17.8	17.4	1.30	.975	-
1972	.550	.728	1.06	3.21	8.70	25.6	-	6.10	2.99	1.86	.984	.583	-
1973	.525	.380	.336	.446	.655	1.19	4.85	10.6	30.7	18.6	5.34	.645	6.19
1974	.430	.367	-	.465	3.10	19.8	19.2	9.32	16.4	22.0	3.37	.769	-
1975	.481	.494	.538	3.45	8.66	15.7	28.2	8.82	11.6	24.8	6.64	2.19	9.30
1976	1.12	1.17	2.05	1.65	1.13	4.52	4.34	1.80	2.88	8.93	8.49	1.09	3.26
1977	.650	.294	.216	.113	.116	.089	.069	.023	1.39	10.9	2.78	.198	1.40
1978	.048	.079	.833	3.61	8.16	15.6	6.29	1.89	2.46	11.3	7.28	1.57	4.93
1979	1.17	.620	.731	.729	9.86	16.0	22.7	19.0	16.1	26.0	12.0	2.45	10.6
1980	1.44	1.29	1.42	1.69	5.07	+	8.63	23.4	27.2	35.5	11.0	3.21	-
1981	1.97	1.65	1.42	1.54	2.47	5.99	17.0	13.0	23.8	15.4	5.35	1.55	7.60
1982	1.25	1.26	1.97	1.54	2.80	5.05	37.2	2.30	1.02	.147	.270	.000	4.57
1983	.000	.000	.000	.000	.000	.086	.117	.069	1.87	3.81	2.08	4.77	1.07
1984	3.24	1.39	1.19	5.84	4.67	5.86	22.4	55.5	19.6	27.6	3.53	1.53	12.7
1985	.762	.190	.057	1.79	1.55	2.02	40.0	43.5	34.5	-	-	1.11	-
1986	.717	.891	1.38	1.26	1.19	2.31	7.31	1.38	2.13	4.42	8.16	.768	2.66
1987	.615	.571	.642	.725	.720	3.42	10.6	28.5	46.1	36.5	2.78	.981	11.0
MOY.	.975	.753	.974	1.78	3.97	12.3	19.1	17.3	17.1	18.6	6.02	1.51	7.28

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1473402209 TOGBLEKOPE
 RIVIERE : SIO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.17.00
 LONGIT. 1.13.00
 ALTIT. 9M
 AIRE 2520.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.241	.058	.000	4.99	2.25	5.60	1
2	.000	.000	.000	.000	.000	.000	.172	.051	.000	5.11	2.12	5.88	2
3	.000	.000	.000	.000	.000	.000	.112	.050	.000	5.38	1.93	5.92	3
4	.000	.000	.000	.000	.000	.000	.086	.050	.000	5.78	1.91	6.03	4
5	.000	.000	.000	.000	.000	.000	.064	.050	.000	5.96	1.77	5.95	5
6	.000	.000	.000	.000	.000	.000	.051	.050	.000	5.44	1.68	5.54	6
7	.000	.000	.000	.000	.000	.000	.038	.049	.000	5.03	1.66	5.09	7
8	.000	.000	.000	.000	.000	.000	.029	.043	.000	4.24	1.65	4.81	8
9	.000	.000	.000	.000	.000	.000	.025	.058	.000	3.88	1.63	4.63	9
10	.000	.000	.000	.000	.000	.000	.020	.116	.000	3.61	1.55	4.50	10
11	.000	.000	.000	.000	.000	.000	.017	.129	.000	4.15	1.41	4.50	11
12	.000	.000	.000	.000	.000	.000	.020	.149	.000	5.00	1.41	4.49	12
13	.000	.000	.000	.000	.000	.000	.026	.142	.133	5.02	1.38	4.30	13
14	.000	.000	.000	.000	.000	.000	.048	.140	1.23	4.46	1.38	4.45	14
15	.000	.000	.000	.000	.000	.000	.046	.138	3.14	3.76	1.38	4.65	15
16	.000	.000	.000	.000	.000	.000	.052	.125	3.20	3.50	1.32	4.66	16
17	.000	.000	.000	.000	.000	.000	.149	.112	2.93	3.44	1.38	4.62	17
18	.000	.000	.000	.000	.000	.000	.136	.108	2.76	3.25	1.39	4.53	18
19	.000	.000	.000	.000	.000	.000	.189	.095	2.64	3.02	1.40	4.51	19
20	.000	.000	.000	.000	.000	.000	.316	.081	2.59	2.93	1.32	4.46	20
21	.000	.000	.000	.000	.000	.000	.404	.078	2.58	3.00	1.29	4.37	21
22	.000	.000	.000	.000	.000	.000	.332	.070	3.21	3.06	1.54	4.26	22
23	.000	.000	.000	.000	.000	.000	.233	.059	3.14	3.00	2.17	4.16	23
24	.000	.000	.000	.000	.000	.000	.167	.044	3.04	2.96	2.49	4.12	24
25	.000	.000	.000	.000	.000	.366	.109	.039	3.73	2.97	2.74	4.41	25
26	.000	.000	.000	.000	.000	.753	.071	.027	4.09	2.78	3.13	4.70	26
27	.000	.000	.000	.000	.000	.450	.069	.021	4.31	2.59	3.56	4.77	27
28	.000	.000	.000	.000	.000	.293	.121	.003	4.43	2.49	3.98	4.75	28
29	.000	.000	.000	.000	.000	.377	.118	.000	4.32	2.44	4.50	4.58	29
30	.000	.000	.000	.000	.000	.347	.108	.000	4.77	2.51	5.06	4.41	30
31	.000	.000	.000	.000	.000	.067	.000	.000	2.43	.000	.000	4.24	31
MO	.000	.000	.000	.000	.000	.086	.117	.069	1.87	3.81	2.08	4.77	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 6.04 M3/S LE 5 OCTO A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 6.03 M3/S LE 4 DECE

DEBIT MOYEN ANNUEL : 1.07 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1473402209 TOGBLEKOPE
 RIVIERE : SIO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.17.00
 LONGIT. 1.13.00
 ALTIT. 9M
 AIRE 2520.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	4.07	2.33	.428	6.07	4.27	4.08	12.8	39.9	27.5	44.9	6.77	2.25	1
2	3.89	2.28	.583	6.97	4.23	3.93	12.9	50.7	24.5	46.3	5.53	2.12	2
3	3.78	2.25	.550	7.09	4.16	3.81	12.5	57.5	20.4	48.0	5.00	1.99	3
4	3.66	2.20	.554	6.51	4.04	3.77	12.1	64.6	17.1	50.1	4.88	1.96	4
5	3.58	2.15	.568	5.51	4.05	3.70	12.0	62.4	15.6	52.3	4.72	1.92	5
6	3.60	2.05	.516	5.78	4.06	3.78	11.4	58.7	15.3	52.3	4.30	1.88	6
7	3.74	1.98	.454	7.74	4.55	4.13	10.7	57.7	14.9	45.2	3.96	1.80	7
8	3.78	1.95	.340	8.94	5.04	4.31	11.1	66.2	14.6	39.9	3.73	1.71	8
9	3.77	1.82	.238	7.39	4.71	4.29	11.8	78.2	14.0	35.4	3.63	1.73	9
10	3.75	1.75	.173	6.09	4.42	4.30	13.3	75.9	13.2	35.1	3.51	1.70	10
11	3.64	1.67	.142	5.26	5.13	4.46	14.9	69.8	12.6	31.7	3.43	1.66	11
12	3.58	1.62	.116	5.14	5.68	4.43	17.0	67.9	11.9	28.5	3.40	1.62	12
13	3.67	1.45	.046	8.61	6.47	4.19	19.3	67.6	11.1	27.4	3.34	1.55	13
14	3.51	1.38	.022	9.78	5.87	4.01	20.8	64.3	11.2	27.4	3.28	1.44	14
15	3.33	1.36	.004	7.25	5.40	3.92	22.3	59.2	10.7	26.0	3.19	1.41	15
16	3.27	1.27	.305	5.65	5.23	3.93	23.3	55.2	9.17	24.0	3.15	1.42	16
17	3.23	1.16	.000	4.72	5.08	4.01	23.1	51.9	7.96	21.7	3.21	1.40	17
18	3.17	1.09	.000	4.34	4.77	4.05	22.2	51.2	7.28	18.6	3.04	1.39	18
19	3.08	1.06	.000	4.48	4.60	4.02	22.9	54.0	7.28	16.6	3.04	1.31	19
20	3.02	1.02	.000	4.73	4.53	4.06	26.4	58.2	7.94	16.4	3.03	1.27	20
21	2.98	1.00	.000	4.98	4.63	4.14	28.0	60.9	8.73	17.6	3.18	1.25	21
22	2.89	.921	.000	4.89	4.76	3.17	30.4	61.5	10.3	19.3	3.20	1.22	22
23	2.84	.835	.000	5.01	4.65	5.92	35.6	58.7	13.5	20.5	3.09	1.20	23
24	2.77	.815	.000	5.03	4.58	9.25	40.3	56.6	26.1	20.3	3.04	1.18	24
25	2.76	.708	.000	4.76	4.52	10.7	40.7	48.4	40.1	18.4	2.69	1.18	25
26	2.69	.643	.000	4.56	4.34	12.6	38.3	44.0	66.5	16.5	2.69	1.18	26
27	2.60	.566	1.04	4.52	4.14	12.3	34.3	40.6	39.5	14.5	2.59	1.23	27
28	2.56	.513	9.05	4.52	4.03	11.8	29.2	38.4	27.3	12.7	2.53	1.44	28
29	2.53	.452	8.50	4.58	3.81	12.1	27.5	36.7	40.3	11.2	2.41	1.53	29
30	2.44	.000	7.20	4.45	3.87	12.6	25.9	35.9	41.3	9.43	2.31	1.32	30
31	2.36	.000	5.93	.000	4.14	.000	30.6	30.3	.000	8.02	.000	1.24	31
MO	3.24	1.39	1.19	5.84	4.67	5.86	22.4	55.5	19.6	27.6	3.53	1.53	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 15 MARS A 18H00
 MAXIMUM INSTANTANE : 95.4 M3/S LE 26 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 17 MARS
 MAXIMUM JOURNALIER : 78.2 M3/S LE 9 AOUT

DEBIT MOYEN ANNUEL : 12.7 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1995

STATION : 1473402209 TOGBLEKOPE LATIT. 6.17.00
 RIVIERE : SIO LONGIT. 1.13.00
 PAYS : TOGO ALTIT. 9M
 BASSIN : LAC TOGO AIRE 2520.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	1.17	.382	.071	.072	.466	1.55	3.49	39.2	17.7	25.1	-	1.42	1
2	1.08	.360	.055	.089	.493	2.22	3.90	37.5	15.6	22.1	-	1.40	2
3	1.09	.354	.044	.096	.595	3.67	4.53	34.7	14.4	19.5	-	1.37	3
4	1.05	.381	.039	.093	.750	3.75	5.19	37.4	13.6	17.6	-	1.31	4
5	1.04	.383	.027	.140	.815	3.14	5.85	43.0	13.8	16.1	-	1.22	5
6	1.00	.353	.015	.699	.690	2.88	6.46	43.4	16.3	15.1	-	1.18	6
7	.953	.273	.010	2.59	.640	2.65	7.35	44.1	17.6	14.1	-	1.29	7
8	.869	.252	.007	3.98	.692	1.83	9.63	46.8	16.4	13.0	-	1.28	8
9	.854	.235	.009	4.26	.642	1.41	11.2	54.8	15.5	11.9	-	1.21	9
10	.908	.209	.008	4.72	2.62	1.07	15.5	61.5	15.7	10.9	-	1.25	10
11	.923	.184	.014	5.11	4.12	.599	25.7	62.0	15.7	-	-	1.30	11
12	.893	.170	.010	5.39	3.48	.429	38.4	57.9	18.0	-	-	1.22	12
13	.848	.166	.003	5.24	2.43	.442	53.2	54.1	24.9	-	-	1.20	13
14	.779	.149	.004	4.43	2.39	.283	68.8	51.7	36.5	-	-	1.15	14
15	.732	.178	.004	3.18	2.73	.357	77.9	49.6	41.3	-	-	1.11	15
16	.676	.081	.015	2.31	2.69	.478	79.8	45.6	45.5	-	2.88	1.10	16
17	.633	.061	.005	1.56	1.93	.612	74.7	44.1	58.1	11.9	2.58	1.07	17
18	.591	.078	.000	1.12	1.99	1.42	68.6	44.0	76.4	18.0	2.37	1.06	18
19	.589	.065	.000	1.03	1.28	2.16	63.3	41.2	66.1	22.4	2.10	1.19	19
20	.591	.059	.000	.741	.807	2.29	60.0	40.5	58.8	19.9	2.04	1.13	20
21	.594	.099	.000	.568	.627	2.17	57.0	41.6	54.0	15.0	1.91	1.04	21
22	.667	.097	.000	.485	.679	2.42	55.4	43.7	56.3	-	1.82	.977	22
23	.679	.113	.000	.523	.786	2.22	56.5	49.1	57.1	-	1.70	.960	23
24	.715	.101	.000	.859	1.27	1.99	57.1	49.9	53.9	-	1.63	.915	24
25	.674	.084	.003	.689	1.59	2.20	54.0	44.4	48.4	-	1.60	.859	25
26	.607	.125	.005	.593	1.43	2.94	51.9	40.2	43.0	-	1.58	.841	26
27	.586	.216	.161	.940	2.26	3.43	52.6	37.1	37.9	-	1.52	.877	27
28	.527	.101	.635	.963	1.80	3.54	50.8	34.1	32.6	-	1.46	.826	28
29	.451		.374	.750	1.66	3.32	44.2	30.6	28.6	-	1.43	.817	29
30	.427		.150	.568	1.82	3.19	38.3	24.9	27.1	-	1.46	.848	30
31	.404		.090		1.94		37.9	20.1		-		.958	31
MO	.752	.190	.057	1.79	1.55	2.02	40.0	43.5	34.5	-	-	1.11	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 13 MARS A 18H00
 MAXIMUM INSTANTANE : 80.8 M3/S LE 16 JUIL A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 18 MARS
 MAXIMUM JOURNALIER : 79.8 M3/S LE 16 JUIL

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1473402209 TOGBLEKOPE LATIT. 6.17.00
 RIVIERE : SIO LONGIT. 1.13.00
 PAYS : TOGO ALTIT. 9M
 BASSIN : LAC TOGO AIRE 2520.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.826	.613	1.14	2.57	.931	.922	.964	2.53	1.09	2.53	9.86	1.16	1
2	.845	.581	1.14	2.53	.913	.907	1.70	2.21	.899	3.03	9.93	1.03	2
3	.826	.609	1.20	2.28	1.17	.954	7.26	1.91	.848	3.14	10.1	1.00	3
4	.804	.610	1.15	1.77	1.36	1.10	14.3	1.70	.859	3.02	10.8	.951	4
5	.803	.686	1.14	1.55	2.50	1.31	19.4	1.54	.916	2.60	11.2	.927	5
6	.821	.814	1.12	1.68	2.26	1.56	16.9	1.54	1.12	2.36	11.6	.894	6
7	.796	.661	.840	1.73	1.51	1.77	12.6	1.82	1.16	2.17	12.1	.869	7
8	.785	.599	1.08	1.58	1.08	2.31	10.2	1.74	.966	2.27	13.2	.815	8
9	.710	.730	1.13	1.58	1.05	2.51	9.48	1.47	.818	3.50	14.8	.792	9
10	.776	.756	2.20	1.37	1.00	3.68	7.99	1.38	.772	5.03	16.7	.779	10
11	.721	.906	3.01	1.31	.946	5.29	5.46	1.30	.981	5.49	18.1	.768	11
12	.627	.893	2.34	1.19	.876	5.98	4.12	1.18	1.04	5.33	18.2	.756	12
13	.612	.848	1.99	1.04	.877	6.16	4.41	1.18	.919	4.68	17.0	.707	13
14	.599	.774	1.92	1.04	.835	4.62	7.97	1.30	.893	4.11	14.9	.727	14
15	.565	1.15	1.54	.974	.780	2.64	9.85	1.18	1.05	4.03	12.3	.787	15
16	.620	1.48	1.36	.958	.732	1.92	8.91	1.07	1.51	3.90	8.96	.783	16
17	.637	1.39	1.26	.907	.826	1.72	8.52	.974	1.93	2.95	6.32	.824	17
18	.657	1.33	1.15	.928	.832	1.70	8.86	.904	1.71	2.55	4.97	.845	18
19	.708	1.10	.964	.933	.787	1.48	8.95	1.15	1.70	2.44	3.93	.821	19
20	.657	.956	.977	.848	.745	1.37	7.78	2.10	2.82	2.32	3.18	.730	20
21	.672	.925	1.08	.760	.792	1.49	5.42	1.93	4.09	2.12	2.66	.700	21
22	.757	.882	1.04	.725	.767	2.20	3.79	1.57	4.76	2.82	2.14	.667	22
23	.710	.849	.959	.735	.923	3.02	2.97	1.31	5.19	5.36	1.96	.628	23
24	.685	.856	1.03	.765	1.43	2.97	2.77	1.10	5.19	5.73	1.88	.581	24
25	.733	.848	.949	.899	2.45	2.52	3.72	.921	4.78	5.46	1.53	.672	25
26	.665	1.03	.885	1.23	2.15	1.99	5.59	1.08	4.13	5.99	1.40	.622	26
27	.604	1.10	.890	1.11	1.54	1.57	6.76	1.05	3.59	7.03	1.36	.601	27
28	.769	.979	.931	.993	1.34	1.33	7.05	.928	3.07	8.04	1.34	.584	28
29	.783		1.35	.940	1.26	1.21	5.78	.848	2.67	8.99	1.31	.606	29
30	.776		2.17	.890	1.25	1.13	4.20	.859	2.50	9.03	1.22	.589	30
31	.689		2.73		1.03		3.14	1.10		9.04		.592	31
MO	.717	.891	1.38	1.25	1.19	2.31	7.31	1.38	2.13	4.42	8.16	.768	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .510 M3/S LE 16 JANV A 06H00
 MAXIMUM INSTANTANE : 20.2 M3/S LE 5 JUIL A 18H00

MINIMUM JOURNALIER : .565 M3/S LE 15 JANV
 MAXIMUM JOURNALIER : 19.4 M3/S LE 5 JUIL

DEBIT MOYEN ANNUEL : 2.66 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1473402209 TOGBLEKOPE LATIT. 6.17.00
 RIVIERE : SIO LONGIT. 1.13.00
 PAYS : TOGO ALTIT. 9M
 BASSIN : LAC TOGO AIRE 2520.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.593	.556	.899	.603	.855	.934	16.5	14.0	53.1	63.4	8.59	1.14	1
2	.560	.550	.747	.659	.770	2.35	24.1	13.5	53.4	63.5	7.54	1.12	2
3	.505	.559	.634	.690	.692	2.07	27.2	13.0	49.6	62.2	6.38	1.15	3
4	.636	.600	.714	.866	.671	1.94	27.4	12.9	44.1	59.5	5.61	1.15	4
5	.490	.601	.669	.889	.636	2.27	22.5	13.5	38.2	56.2	4.82	1.11	5
6	.552	.631	.620	.941	.784	3.45	16.2	13.5	31.8	53.4	3.83	1.06	6
7	.651	.610	.516	.842	.786	2.27	11.6	13.0	26.7	48.9	3.67	1.04	7
8	.585	.534	.480	.825	.803	1.45	8.30	13.0	23.0	45.0	3.23	1.04	8
9	.644	.541	.457	.826	.777	1.17	7.60	11.8	22.5	44.5	3.01	1.05	9
10	.705	.487	.483	.860	.711	1.00	5.58	12.3	22.7	42.7	2.77	1.20	10
11	.634	.453	.653	1.05	.668	.852	6.06	15.5	22.4	38.3	2.64	1.08	11
12	.617	.480	.645	.988	.651	.794	4.36	22.7	24.6	35.2	2.48	1.00	12
13	.658	.491	.609	.882	.709	.780	3.13	28.5	26.2	31.6	2.30	.941	13
14	.680	.463	.529	.813	.700	.763	2.85	35.1	27.1	28.9	2.23	.935	14
15	.693	.428	.565	.727	.679	.745	4.59	40.5	27.2	27.6	2.26	.938	15
16	.600	.477	.585	.694	.658	2.07	5.24	39.3	29.5	26.4	2.16	.975	16
17	.669	.498	.544	.718	.640	3.73	5.14	31.1	30.5	29.0	1.95	1.05	17
18	.592	.564	.514	.671	.707	7.47	5.62	22.8	29.6	27.8	1.80	.979	18
19	.550	.565	.560	.667	.689	7.79	6.24	18.4	32.0	26.8	1.65	.950	19
20	.610	.552	.761	.641	.601	4.32	6.37	18.5	31.8	34.7	1.54	.938	20
21	.617	.502	.822	.565	.612	2.41	6.62	21.9	34.4	36.8	1.56	.914	21
22	.689	.464	.846	.638	.691	2.58	6.92	26.6	43.5	33.2	1.49	.897	22
23	.661	.445	.728	.624	.712	7.29	7.40	31.9	50.0	32.2	1.38	.935	23
24	.661	.497	.838	.606	.680	7.14	8.12	39.5	70.1	32.0	1.35	.942	24
25	.550	.766	.821	.559	.658	3.65	8.86	54.4	81.0	30.6	1.30	.854	25
26	.573	.846	.724	.558	.676	2.16	9.40	63.0	81.0	28.3	1.28	.826	26
27	.616	.903	.571	.555	.777	2.30	10.7	58.1	99.1	25.9	1.22	.826	27
28	.641	.916	.561	.552	.849	5.05	12.5	52.0	113.	22.1	1.16	.856	28
29	.658		.612	.518	.839	9.41	13.6	46.7	91.3	19.4	1.14	.849	29
30	.590		.597	.720	.835	12.4	13.9	43.2	74.8	14.9	1.15	.838	30
31	.592		.606		.796		14.2	45.0		11.8		.847	31
MO	.615	.571	.642	.725	.720	3.42	10.6	28.5	46.1	36.5	2.78	.981	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .415 M3/S LE 15 FEVR A 16H00
 MAXIMUM INSTANTANE : 117. M3/S LE 28 SEPT A 06H00

MINIMUM JOURNALIER : .428 M3/S LE 15 FEVR
 MAXIMUM JOURNALIER : 113. M3/S LE 28 SEPT

DEBIT MOYEN ANNUEL : 11.0 M3/S

LILI A GBATOPE

N° 1473403303

GENERALITES

- superficie du bassin versant.....: 315 Km²
- coordonnées de la station: 06°27'N - 01°15'E
- cote du zero de l'échelle: 30 m. (IGN) environ
- amplitude de l'échelle: -0.50 à 5.00 m.
- accès: Pont de la route TSEVIE-TABLIBBO
- date de création: 07.04.1960
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 103
- maximum jaugeé: H = 332 CM
Q = 25.2 M³/S
date : 07.06.1967
- nombre de tarages entre 1983 et 1987: 3
- dernier étalonnage utilisé :
valide du 22.09.1985 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-020	00000	080	3.800
001	00000	170	9.160
004	0.008	200	11.50
005	0.020	214	13.20
007	0.048	220	14.30
010	0.116	233	17.20
015	0.250	245	20.70
020	0.400	263	27.20
027	0.660	284	36.90
035	1.070	300	45.90
050	1.980	310	51.50

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1473403303 AGBATOPE

RIVIERE : LILI

PAYS : TOGO

BASSIN : LAC TOGO

DEBITS EN M³/S

LATIT. 6.27.00

LONGIT. 1.15.00

ALTIT. 30M

AIRE 315.000 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1960	-	-	-	-	3.46	14.3	2.84	2.72	2.37	8.06	2.06	.791	-
1961	.090	.025	.009	.019	.027	6.24	1.75	.021	.251	.121	.027	.007	.716
1962	.000	.000	.018	.039	18.6	53.4	58.7	16.2	1.18	.631	.017	.000	12.4
1963	-	-	-	-	.397	1.92	7.51	1.88	7.91	-	.169	.001	-
1964	.013	.000	.000	.181	1.62	8.10	2.14	1.08	.000	.000	.000	.000	1.01
1965													
1966	.000	.000	.031	1.17	.843	7.80	3.46	.228	.222	.968	.034	.000	1.23
1967	.000	.000	.000	1.68	.767	7.47	.925	.044	.254	2.52	.430	.012	1.18
1968	.000	.000	-	.089	.092	2.77	9.17	7.54	13.1	4.91	1.22	.009	-
1969													
1970													
1971													
1972	.000	.000	.000	-	-	-	-	.000	.000	.000	.000	.000	-
1973	.000	.000	.000	.000	.000	.000	.029	.157	5.38	.056	.000	.000	.469
1974	.000	.000	.000	.000	.000	-	-	-	2.59	-	-	.000	-
1975	.000	.000	.000	-	.109	2.20	4.93	.068	-	-	.000	.000	-
1976	.000	.000	.042	.020	.000	.959	.041	.000	.000	.768	.149	-	-
1977	.000	.000	.000	.012	.009	.000	.000	.000	.000	1.13	.441	.000	.133
1978	.000	.000	.264	1.85	1.90	3.18	.106	.000	.000	.316	.000	.000	.635
1979	.000	.000	.000	.036	1.59	4.26	4.50	2.40	2.58	2.56	.634	-	-
1980	.000	.000	.000	.058	1.43	6.49	1.34	-	5.54	-	.215	.055	-
1981	.030	.000	.001	.000	.013	1.25	1.27	.077	2.10	.218	.117	-	-
1982	.000	.000	.002	.000	.421	1.08	3.64	.005	.000	.000	-	-	-
1983	.000	.000	.000	.000	.000	.061	.000	.000	.000	.000	-	-	-
1984	-	-	-	-	.513	1.80	.369	.441	1.16	.014	.000	-	-
1985	.000	.000	.000	1.25	1.07	-	8.41	4.44	3.03	.898	.093	.000	-
1986	.000	.000	.000	.001	.000	.002	.248	.000	.077	.597	.551	.000	.123
1987	.000	.000	.014	.000	.000	.880	1.54	4.01	9.14	3.61	.075	.000	1.61
MOY.	.004	.001	.019	.337	1.47	5.85	5.20	1.83	2.44	1.43	.297	.046	1.95

DEBITS MOYENS JOURNALIERS-ANNEE 1993

STATION : 1473403303 AGBATOPE
 RIVIERE : LILI
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.27.00
 LONGIT. 1.15.00
 ALTIT. 30M
 AIRE 315.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1
2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	2
3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	3
4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	4
5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	5
6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	6
7	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	7
8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	8
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	9
10	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	10
11	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	11
12	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	12
13	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	13
14	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	14
15	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	15
16	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	16
17	.000	.000	.000	.000	.000	.000	.115	.000	.000	.000	.000	.000	17
18	.000	.000	.000	.000	.000	.000	1.31	.000	.000	.000	.000	.000	18
19	.000	.000	.000	.000	.000	.000	.391	.000	.000	.000	.000	.000	19
20	.000	.000	.000	.000	.000	.000	.087	.000	.000	.000	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.009	.000	.000	.000	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.002	.000	.000	.000	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	23
24	.000	.000	.000	.000	.000	.010	.000	.000	.000	.000	.000	.000	24
25	.000	.000	.000	.000	.000	.014	.000	.000	.000	.000	.000	.000	25
26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	26
27	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	27
28	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	28
29	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	30
31	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	31
MO	.000	.000	.000	.000	.000	.000	.051	.000	.000	.000	.000	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 1.86 M3/S LE 18 JUIL A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 1.31 M3/S LE 18 JUIL

DESITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1473403303 AGBATOPE
 RIVIERE : LILI
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.27.00
 LONGIT. 1.15.00
 ALTIT. 30M
 AIRE 315.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	.684	.222	.057	.988	.016	4.74	.159	.000	1
2	-	-	-	-	.138	.220	.143	.710	.003	1.68	.108	.000	2
3	-	-	-	-	.047	.393	.369	.790	.043	4.27	.067	.000	3
4	-	-	-	-	.107	.316	.177	.824	.120	3.03	.044	.000	4
5	-	-	-	-	.101	.308	.091	.811	1.50	1.07	.027	.000	5
6	-	-	-	-	.158	.182	.039	.748	1.95	.556	.017	.000	6
7	-	-	-	.928	.072	.104	.970	.491	.786	.453	.007	.000	7
8	-	-	-	.428	.026	.074	1.55	.402	.456	.555	.002	.000	8
9	-	-	-	.279	.015	.250	2.25	.382	.331	2.48	.000	.000	9
10	-	-	-	.147	.004	.231	.889	.383	.255	1.82	.000	.000	10
11	-	-	-	.071	.009	.119	.327	.343	.155	.743	.000	.000	11
12	-	-	-	.034	.001	.047	.145	.315	.116	.477	.000	.000	12
13	-	-	-	.037	.000	.013	.079	.290	.110	.400	.000	.000	13
14	-	-	-	.025	.000	.001	.044	.233	.223	.295	.000	.000	14
15	-	-	-	.008	.000	.000	.024	.229	.187	.248	.000	.000	15
16	-	-	-	.003	.000	.002	.007	.252	.643	.358	.000	.000	16
17	-	-	-	.000	.000	.003	.003	.336	.471	.607	.000	.000	17
18	-	-	-	.000	.000	.009	.261	.392	.383	1.17	.000	.000	18
19	-	-	-	.000	-	.082	3.05	.302	.296	.865	.000	.000	19
20	-	-	-	.025	-	.818	1.55	.333	.356	2.72	.000	.000	20
21	-	-	-	.024	-	2.31	6.90	.300	.503	2.41	.000	.000	21
22	-	-	.000	.013	-	4.34	5.38	.259	.386	1.10	.000	.000	22
23	-	-	.000	.013	.062	2.49	9.20	.340	.374	.595	.000	.000	23
24	-	-	.000	.008	.038	.856	8.39	.261	.257	.463	.000	.000	24
25	-	-	.000	.006	.020	.411	1.86	.189	.293	.364	.000	.000	25
26	-	-	.000	.004	.007	.573	1.30	.151	.327	.361	.000	.000	26
27	-	-	.000	.003	.009	.547	1.28	.123	.252	.649	.000	.000	27
28	-	-	-	.030	.315	.257	2.55	.094	.192	.635	.000	.000	28
29	-	-	-	.007	1.45	.127	3.66	.078	.250	.436	.000	.000	29
30	-	-	-	.083	.638	.073	1.61	.062	2.00	.316	.000	.000	30
31	-	-	-	.386	-	1.58	.041	.229	.000	.000	.000	.000	31
MO	-	-	-	-	-	.513	1.80	.369	.441	1.16	.014	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 12.2 M3/S LE 24 JUIL A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 22 MARS
 MAXIMUM JOURNALIER : 9.20 M3/S LE 23 JUIL

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1473403303 ASBATOPE LATIT. 6.27.00
 RIVIERE : LILI LONGIT. 1.15.00
 PAYS : TOGO ALTIT. 30M
 BASSIN : LAC TOGO AIRE 315.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.085	2.37	.179	10.9	.311	.254	.040	.000	1
2	.000	.000	.000	.000	.797	11.4	.304	12.2	.252	.324	.021	.000	2
3	.000	.000	.000	.001	.358	14.0	.395	7.59	.711	.354	.097	.000	3
4	.000	.000	.000	.000	.308	3.60	.602	9.17	4.54	1.74	.082	.000	4
5	.000	.000	.000	.000	.251	1.51	8.11	2.66	1.99	.939	.080	.000	5
6	.000	.000	.000	.320	.203	.918	12.8	5.23	1.71	.481	.060	.000	6
7	.000	.000	.000	8.75	.086	5.79	3.54	14.3	2.60	.397	.097	.000	7
8	.000	.000	.000	12.8	.061	3.50	9.35	17.4	1.88	.282	.271	.000	8
9	.000	.000	.000	2.98	2.98	1.03	20.7	11.5	1.38	.171	.210	.000	9
10	.000	.000	.000	1.33	2.52	.474	14.0	3.82	1.77	.082	.378	.000	10
11	.000	.000	.000	4.79	.658	.355	20.2	5.27	1.84	.027	.225	.000	11
12	.000	.000	.000	2.95	.391	-	20.6	3.54	1.08	.032	.198	.000	12
13	.000	.000	.000	1.00	.467	-	14.5	1.80	.633	.355	.514	.000	13
14	.000	.000	.000	.554	.918	-	8.41	1.29	3.61	2.67	.329	.000	14
15	.000	.000	.000	.394	1.22	1.11	6.79	2.31	12.8	1.52	.158	.000	15
16	.000	.000	.000	.265	1.03	5.69	5.49	1.86	12.8	2.55	.047	.000	16
17	.000	.000	.000	.277	.508	3.80	4.49	1.67	4.76	8.23	.002	.000	17
18	.000	.000	.000	.212	1.02	1.36	7.24	1.68	1.58	4.04	.000	.000	18
19	.000	.000	.000	.143	2.72	.736	5.94	1.90	1.14	1.27	.000	.000	19
20	.000	.000	.000	.101	.855	.707	19.6	3.81	2.47	.727	.000	.000	20
21	.000	.000	.000	.062	.454	.457	22.0	8.26	12.4	.525	.000	.000	21
22	.000	.000	.000	.028	.359	.317	14.7	3.76	10.4	.119	.000	.000	22
23	.000	.000	.000	.008	.318	.273	4.34	1.66	5.29	.059	.000	.000	23
24	.000	.000	.000	.005	.555	.247	1.95	.781	1.27	.027	.000	.000	24
25	.000	.000	.000	.175	4.57	.168	.839	.586	.600	.008	.000	.000	25
26	.000	.000	.000	.211	3.16	.145	.612	.516	.363	.012	.000	.000	26
27	.000	.000	.000	.102	.886	.134	1.05	.464	.250	.004	.000	.000	27
28	.000	.000	.000	.069	.538	.124	5.87	.428	.170	.170	.000	.000	28
29	.000	.000	.000	.019	1.67	.255	9.02	.412	.119	.256	.000	.000	29
30	.000	.000	.000	.004	2.00	.169	8.96	.359	.328	.122	.000	.000	30
31	.000	.000	.000	1.06		8.05	.385		.070		.000	.000	31
MO	.000	.000	.000	1.25	1.07	-	8.41	4.44	3.03	.898	.093	.000	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 27.2 M3/S LE 11 JUIL A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 22.0 M3/S LE 21 JUIL

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1473403303 ASBATOPE LATIT. 6.27.00
 RIVIERE : LILI LONGIT. 1.15.00
 PAYS : TOGO ALTIT. 30M
 BASSIN : LAC TOGO AIRE 315.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.144	.000	.000	.032	8.33	.000	1
2	.000	.000	.000	.000	.000	.000	.842	.000	.000	.123	1.67	.000	2
3	.000	.000	.000	.000	.000	.000	1.30	.000	.000	.093	.809	.000	3
4	.000	.000	.000	.000	.000	.000	.822	.000	.000	.052	.605	.000	4
5	.000	.000	.000	.000	.000	.000	.382	.000	.000	.067	.454	.000	5
6	.000	.000	.000	.000	.000	.000	.200	.000	.000	.042	.381	.000	6
7	.000	.000	.000	.000	.000	.000	.095	.000	.000	.026	1.52	.000	7
8	.000	.000	.000	.000	.000	.000	.041	.000	.000	.007	1.29	.000	8
9	.000	.000	.000	.000	.000	.000	.014	.000	.000	.001	.583	.000	9
10	.000	.000	.000	.000	.000	.000	.004	.000	.000	.000	.360	.000	10
11	.000	.000	.000	.000	.000	.000	.013	.000	.000	.000	.237	.000	11
12	.000	.000	.000	.000	.000	.000	.476	.000	.000	.000	.130	.000	12
13	.000	.000	.000	.019	.000	.019	1.18	.000	.000	.000	.062	.000	13
14	.000	.000	.000	.001	.000	.055	.970	.000	.032	.000	.047	.000	14
15	.000	.000	.000	.000	.000	.011	.431	.000	.264	.000	.027	.000	15
16	.000	.000	.000	.000	.000	.000	.252	.000	1.26	.000	.014	.000	16
17	.000	.000	.000	.000	.000	.000	.208	.000	.400	.000	.007	.000	17
18	.000	.000	.000	.000	.000	.000	.155	.000	.105	.021	.004	.000	18
19	.000	.000	.000	.000	.000	.000	.092	.000	.060	.336	.000	.000	19
20	.000	.000	.000	.000	.000	.000	.029	.000	.048	.364	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.014	.000	.047	.247	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.004	.000	.034	.070	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.000	.000	.034	.004	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.000	.000	.033	.000	.000	.000	24
25	.000	.000	.000	.000	.000	.000	.000	.000	.013	.000	.007	.000	25
26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.000	26
27	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002	.000	27
28	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	28
29	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.95	.000	30
31	.000	.000	.000	.000	.000	.000	.000	.000		13.1		.000	31
MO	.000	.000	.000	.001	.000	.002	.248	.000	.077	.597	.551	.000	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 13.6 M3/S LE 31 OCTO A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 13.1 M3/S LE 31 OCTO

DEBIT MOYEN ANNUEL : .123 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1473403303 A6BATOPE
 RIVIERE : LILI
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.27.00
 LONGIT. 1.15.00
 ALTIT. 33M
 AIRE 315.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	7.77	1.72	2.54	6.02	.385	.000	1
2	.000	.000	.000	.000	.000	.000	10.0	1.27	1.56	6.45	.333	.000	2
3	.000	.000	.000	.000	.000	.000	3.29	.920	1.17	6.45	.303	.000	3
4	.000	.000	.000	.000	.000	.000	2.12	.731	.055	6.34	.265	.000	4
5	.000	.000	.000	.000	.000	.000	1.60	.566	.709	5.69	.217	.000	5
6	.000	.000	.000	.000	.000	.000	1.35	.456	.593	4.96	.190	.000	6
7	.000	.000	.000	.000	.000	.000	1.17	.791	1.44	5.60	.163	.000	7
8	.000	.000	.000	.000	.000	.000	.992	.950	3.19	5.57	.130	.000	8
9	.000	.000	.012	.000	.000	.000	1.14	3.86	4.38	5.17	.088	.000	9
10	.000	.000	.081	.000	.000	.000	.922	4.73	4.64	4.22	.071	.000	10
11	.000	.000	.296	.000	.000	.000	.833	14.4	4.06	3.40	.064	.000	11
12	.000	.000	.040	.000	.000	.000	.744	6.84	3.43	2.85	.040	.000	12
13	.000	.000	.004	.000	.000	.000	.661	2.82	2.75	2.27	.017	.000	13
14	.000	.000	.000	.000	.000	.000	.616	1.71	5.79	1.81	.006	.000	14
15	.000	.000	.000	.000	.000	.000	1.43	2.36	8.26	1.49	.002	.000	15
16	.000	.000	.000	.000	.000	.000	.975	2.31	9.36	1.27	.000	.000	16
17	.000	.000	.000	.000	.000	.000	.630	1.80	9.53	2.43	.000	.000	17
18	.000	.000	.000	.000	.000	.000	.612	2.10	7.43	4.61	.000	.000	18
19	.000	.000	.000	.000	.000	.000	1.01	1.65	3.38	14.0	.000	.000	19
20	.000	.000	.000	.000	.000	.000	1.33	1.33	3.56	5.66	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.809	.667	11.0	3.95	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.601	1.24	33.1	2.79	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.500	6.82	36.9	2.06	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.419	5.74	22.2	1.61	.000	.000	24
25	.000	.000	.000	.000	.000	.000	.447	10.5	14.2	1.41	.000	.000	25
26	.000	.000	.000	.000	.000	.245	.700	19.5	12.1	.853	.000	.000	26
27	.000	.000	.000	.000	.000	3.94	.516	13.3	16.4	.782	.000	.000	27
28	.000	.000	.000	.000	.000	3.50	.583	5.73	18.9	.680	.000	.000	28
29	.000		.000	.000	.000	9.28	.706	2.56	16.5	.609	.000	.000	29
30	.000		.000	.000	.000	9.43	.616	2.10	14.1	.535	.000	.000	30
31	.000		.000		.000		2.51	2.98		.451		.000	31
MO	.000	.000	.014	.000	.000	.680	1.54	4.01	9.14	3.61	.075	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 48.7 M3/S LE 22 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 36.9 M3/S LE 23 SEPT

DEBIT MOYEN ANNUEL : 1.61 M3/S

GENERALITES

- superficie du bassin versant.....: 790 Km²
- coordonnées de la station: 06°42'N - 01°19'E
- cote du zero de l'échelle:
- amplitude de l'échelle:
- accès:
- date de création: 23.03.1972
- cadence des relevés: 2 relevés par jour
limnigrammes depuis 25/02/85

TARAGE

- nombre de jaugeages au 31.12.87: 38
- maximum jaugé: H = 432-395 CM
Q = 43.5 M³/S
date : 27.08.1980
- nombre de tarages entre 1983 et 1987: 01
- dernier étalonnage utilisé :
valide du 02.08.1979 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	0.000	120	0.920
070	0.000	130	1.640
080	0.012	140	2.430
090	0.032	160	4.600
095	0.052	170	6.500
100	0.090	185	10.00
103	0.133	215	18.30
105	0.179	250	30.80
110	0.365	300	49.20
115	0.600	510	126.0

REMARQUE

- limnigrammes non dépouillés.

STATION : 1473403609 YOTOKOPE
 RIVIERE : YOTO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M³/S

LATIT. 6.42.00
 LONGIT. 1.19.00

AIRE 790.000 KM2

ANNEE	JANV	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1972	-	-	-	1.10	.373	3.94	2.67	.299	.010	.000	.000	.000	-
1973	.000	.000	.010	2.33	.493	-	-	-	7.22	2.11	.351	-	-
1974	-	.000	.195	.360	.015	.798	-	1.59	7.76	.878	.089	.000	-
1975	-	.000	.157	3.21	1.15	-	17.5	1.32	9.62	3.62	.303	.553	-
1976	.001	.102	.000	.000	.000	.326	.055	.060	.072	8.07	1.24	.018	.829
1977	.000	.000	.000	.000	.000	.000	.000	.000	-	-	.051	.000	-
1978	.000	.000	.020	5.21	6.39	11.1	.258	.000	.539	.016	.000	.000	1.96
1979	.000	.000	.000	.003	1.87	7.55	37.8	10.4	-	11.5	1.83	.045	-
1980	.000	.000	.000	.093	-	3.61	1.08	+	15.3	+	-	-	-
1981	.006	.000	-	.000	-	1.78	7.81	.779	13.7	7.43	-	-	-
1982	.000	.007	.002	.001	-	9.92	4.35	.014	.000	.000	.000	.000	-
1983	.000	.000	.000	.073	.076	.288	.000	.000	.000	.000	-	.001	-
1984	.000	.000	.024	.009	.002	.153	+	13.9	6.36	1.31	.009	.002	-
1985	-	-	.000	4.05	1.27	.566	25.6	20.8	14.8	1.75	-	.026	-
1986	.049	.044	.290	.016	.000	.048	1.50	.020	.006	.455	2.50	.000	.411
1987	.000	.000	.000	.000	.000	.000	.000	10.2	+	7.57	-	-	-
MOY.	.004	.010	.049	1.03	.895	2.86	7.59	4.24	5.80	3.19	.579	.053	1.07

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1473403609 YOTOKOPE LATIT. 6.42.00
 RIVIERE : YOTO LONGIT. 1.19.00
 PAYS : TOGO
 BASSIN : LAC TOGO AIRE 790.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.024	.012	.004	.000	.000	.000	.000	.000	1
2	.000	.000	.000	.000	.022	.011	.004	.000	.000	.000	.000	.000	2
3	.000	.000	.000	.000	.020	.010	.003	.000	.000	.000	.000	.000	3
4	.000	.000	.000	.000	.019	.009	.003	.000	.000	.000	.000	.002	4
5	.000	.000	.000	.000	.018	.009	.002	.000	.000	.000	.000	.019	5
6	.000	.000	.000	.000	.017	.008	.002	.000	.000	.000	.000	.020	6
7	.000	.000	.000	.000	.016	.007	.001	.003	.000	.000	.000	.008	7
8	.000	.000	.000	.000	.016	.446	.000	.002	.000	.000	.000	.003	8
9	.000	.000	.000	.000	.015	2.85	.000	.001	.000	.000	.000	.001	9
10	.000	.000	.000	.000	.012	1.79	.000	.000	.000	.000	.000	.001	10
11	.000	.000	.000	.000	.013	.970	.000	.000	.000	.000	.000	.000	11
12	.000	.000	.000	.115	.029	.569	.000	.000	.000	.000	.000	.000	12
13	.000	.000	.000	.765	.033	.214	.000	.000	.000	.000	.000	.000	13
14	.000	.000	.000	.611	.049	.763	.000	.000	.000	.000	.000	.000	14
15	.000	.000	.000	.353	.033	.534	.000	.000	.000	.000	-	.000	15
16	.000	.000	.000	.072	.945	.096	.000	.000	.000	.000	.000	.000	16
17	.000	.000	.000	.023	.454	.028	.000	.000	.000	.000	.000	.000	17
18	.000	.000	.000	.020	.363	.024	.000	.000	.000	.000	.000	.000	18
19	.000	.000	.000	.013	.027	.022	.000	.000	.000	.000	.000	.000	19
20	.000	.000	.000	.011	.016	.023	.000	.000	.000	.000	.000	.000	20
21	.000	.000	.000	.006	.015	.030	.000	.000	.000	.000	.000	.000	21
22	.000	.000	.000	.005	.014	.030	.000	.000	.000	.000	.000	.000	22
23	.000	.000	.000	.007	.014	.029	.000	.000	.000	.000	.000	.000	23
24	.000	.000	.000	.043	.015	.028	.000	.000	.000	.000	.000	.000	24
25	.000	.000	.000	.034	.028	.027	.000	.000	.000	.000	.000	.000	25
26	.000	.000	.000	.030	.028	.026	.000	.000	.000	.000	.000	.000	26
27	.000	.000	.000	.028	.025	.025	.000	.000	.000	.000	.000	.000	27
28	.000	.000	.000	.025	.022	.022	.000	.000	.000	.000	.000	.000	28
29	.000	.000	.000	.023	.023	.017	.000	.000	.000	.000	.000	.000	29
30	.000	.000	.000	.026	.019	.003	.000	.000	.000	.000	.000	.000	30
31	.000	.000	.000	.015	.000	.000	.000	.000	.000	.000	.000	.000	31
MO	.000	.000	.000	.073	.076	.288	.000	.000	.000	.000	-	.001	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 3.52 M3/S LE 9 JUIN A 12H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 2.85 M3/S LE 9 JUIN

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1473403609 YOTOKOPE LATIT. 6.42.00
 RIVIERE : YOTO LONGIT. 1.19.00
 PAYS : TOGO
 BASSIN : LAC TOGO AIRE 790.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.052	17.5	2.59	2.00	.000	.005	1
2	.000	.000	.000	.002	.000	.000	.584	65.4	2.43	1.64	.000	.004	2
3	.000	.000	.000	.051	.000	.000	.637	79.6	2.92	1.46	.000	.004	3
4	.000	.000	.000	.034	.000	.000	.684	60.5	10.4	1.25	.000	.003	4
5	.000	.000	.000	.030	.000	.000	1.13	25.0	10.0	1.78	.000	.003	5
6	.000	.000	.000	.028	.000	.000	.921	16.5	9.17	2.28	.005	.004	6
7	.000	.000	.000	.024	.000	.000	.788	29.6	6.69	2.22	.073	.003	7
8	.000	.000	.000	.018	.000	.000	.606	21.6	6.79	2.72	.067	.003	8
9	.000	.000	.000	.011	.000	.000	.506	11.2	5.95	2.19	.060	.003	9
10	.000	.000	.000	.007	.000	.000	.424	5.51	4.78	2.36	.015	.003	10
11	.000	.000	.000	.004	.000	.000	.551	4.28	3.17	1.79	.010	.003	11
12	.000	.000	.000	.002	.000	.000	.526	3.75	1.57	1.56	.007	.003	12
13	.000	.000	.000	.000	.000	.000	.259	3.35	1.29	1.19	.000	.003	13
14	.000	.000	.000	.000	.000	.000	.533	3.60	.992	.104	.000	.003	14
15	.000	.000	.000	.000	.000	.000	4.33	15.7	.947	.015	.000	.003	15
16	.000	.000	.000	.000	.000	.000	1.79	10.4	1.34	1.78	.000	.003	16
17	.000	.000	.000	.000	.000	.000	1.60	5.99	1.52	3.75	.000	.003	17
18	.000	.000	.000	.000	.000	.000	4.23	4.48	3.94	2.74	.000	.002	18
19	.000	.000	.000	.011	.000	.971	21.0	5.96	39.2	2.78	.000	.002	19
20	.000	.000	.000	.012	.010	.399	1.82	4.28	35.6	2.47	.000	.001	20
21	.000	.000	.017	.011	.019	.644	.553	3.81	10.7	1.51	.000	.000	21
22	.000	.000	.485	.010	.011	.816	.506	3.73	.071	.486	.000	.000	22
23	.000	.000	.088	.010	.006	.798	1.26	3.46	.000	.277	.000	.000	23
24	.000	.000	.032	.008	.006	.778	12.5	3.26	.000	.018	.000	.000	24
25	.000	.000	.031	.007	.005	.124	13.9	3.18	.000	.049	.000	.000	25
26	.000	.000	.039	.000	.004	.023	14.5	3.09	.173	.347	.005	.000	26
27	.000	.000	.024	.000	.002	.014	+	3.00	2.90	.000	.010	.000	27
28	.000	.000	.015	.000	.000	.011	+	2.90	4.03	.000	.009	.000	28
29	.000	.000	.001	.000	.000	.008	27.3	3.70	5.89	.000	.008	.000	29
30	.000	.000	.005	.000	.000	.007	.631	2.93	14.7	.000	.006	.000	30
31	.000	.000	.003	.000	.000	.000	1.33	2.71	.000	.000	.000	.000	31
MO	.000	.000	.024	.009	.002	.153	+	13.9	6.36	1.31	.009	.002	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 113. M3/S LE 28 JUIL A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 79.6 M3/S LE 3 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1473403509 YOTOKOPE LATIT. 6.42.00
 RIVIERE : YOTO LONGIT. 1.19.00
 PAYS : TOGO
 BASSIN : LAC TOGO AIRE 790.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.000	.000	.000	.510	.298	.742	6.95	1.33	3.03	.604	.000	1
2	-	.000	.000	.000	7.18	.362	2.24	54.0	1.15	2.56	.597	.000	2
3	-	.000	.000	.000	9.36	.363	8.98	35.2	.793	2.35	.556	.000	3
4	-	.000	.000	1.62	2.53	.315	15.8	26.1	.550	2.27	.550	.000	4
5	-	.000	.000	23.5	.066	.224	10.5	25.1	4.34	2.13	.509	.000	5
6	-	.000	.000	22.6	.048	.047	16.3	56.4	57.6	2.81	.503	.000	6
7	-	.000	.000	21.4	.044	.023	58.7	50.0	56.1	3.79	.459	.000	7
8	-	.000	.000	23.3	.039	.023	105.	56.6	44.2	3.45	.415	.000	8
9	-	.000	.000	11.9	.029	.021	78.2	32.5	39.2	2.83	.409	.000	9
10	-	.000	.000	.513	.031	.022	17.2	73.3	30.0	2.36	.383	.000	10
11	.000	.000	.000	.153	.023	.026	71.4	28.5	2.68	2.11	.582	.000	11
12	.000	.000	.000	.105	.028	.046	52.4	4.49	5.71	1.80	.553	.000	12
13	.000	.000	.000	.097	.028	.554	52.8	16.0	21.1	1.88	.509	.039	13
14	.000	.000	.000	.007	.026	.539	70.0	11.0	59.6	1.54	.503	.052	14
15	.000	.000	.000	.000	.024	.460	32.9	8.84	18.0	1.52	.436	.052	15
16	.000	.000	.000	.000	.299	.559	10.6	9.16	14.7	2.25	.366	.052	16
17	.000	.000	.000	.112	4.22	2.92	6.38	8.82	7.50	2.12	.287	.052	17
18	.000	.000	.000	.971	3.91	2.80	7.14	8.26	6.45	2.04	.161	.052	18
19	.000	.000	.000	7.59	3.04	2.45	9.84	9.15	8.56	1.80	.134	.052	19
20	.000	.000	.000	5.52	.487	1.85	53.6	27.0	10.4	1.44	.120	.052	20
21	.000	.000	.000	1.01	.507	.665	21.8	21.8	10.9	.955	.119	.052	21
22	.000	-	.000	.345	.130	.401	11.0	8.37	6.55	.979	.112	.051	22
23	.000	-	.000	.422	.030	.195	5.42	3.87	5.65	.862	-	.048	23
24	.000	-	.000	.198	.029	.246	3.44	5.44	4.84	.797	-	.047	24
25	.000	-	.000	.043	.037	.816	5.84	11.9	3.56	.788	-	.040	25
26	.000	.000	.000	.024	.149	.572	5.01	10.6	5.50	.729	-	.040	26
27	.000	.000	.000	.019	.442	.090	4.72	9.25	6.34	.665	-	.039	27
28	.000	.000	.000	.012	3.58	.027	8.72	5.28	4.33	.602	-	.030	28
29	.022	.000	.000	.013	1.42	.021	9.19	3.96	3.94	.556	-	.028	29
30	.003	.000	.000	.048	.759	.030	18.2	3.61	3.47	.560	-	.027	30
31	.000	.000	.000	.225			19.1	2.14		.652		.026	31
MO	-	-	.000	4.05	1.27	.566	25.6	20.8	14.8	1.75	-	.026	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 10 JANV A 06H00
 MAXIMUM INSTANTANE : 119. M3/S LE 8 JUIL A 05H24

MINIMUM JOURNALIER : .000 M3/S LE 11 JANV
 MAXIMUM JOURNALIER : 105. M3/S LE 8 JUIL

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1473403509 YOTOKOPE LATIT. 6.42.00
 RIVIERE : YOTO LONGIT. 1.19.00
 PAYS : TOGO
 BASSIN : LAC TOGO AIRE 790.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.026	.060	.032	.079	.003	.000	1.05	.049	.009	.004	3.07	.000	1
2	.026	.059	.025	.067	.003	.000	14.3	.037	.009	.004	36.4	.000	2
3	.025	.052	.016	.059	.003	.000	4.71	.029	.008	.003	27.6	.000	3
4	.023	.051	.010	.047	.003	.000	3.63	.026	.007	.003	3.70	.000	4
5	.018	.048	.003	.032	.002	.000	3.21	.026	.007	.002	1.71	.000	5
6	.012	.029	.004	.022	.002	.000	2.38	.024	.006	.002	1.07	.000	6
7	.015	.027	.004	.021	.002	.000	.963	.022	.006	.000	.519	.000	7
8	.017	.027	.004	.018	.001	.000	.627	.022	.006	.000	.369	.000	8
9	.018	.024	.024	.017	.000	.000	.643	.020	.006	.000	.279	.000	9
10	.018	.024	.049	.009	.000	.000	.324	.016	.007	.002	.048	.000	10
11	.017	.023	.037	.008	.000	.043	.229	.013	.007	.002	.043	.000	11
12	.016	.020	.019	.003	.000	.074	1.08	.016	.006	.002	.051	.000	12
13	.015	.012	.012	.003	.000	.066	1.03	.014	.006	.002	.052	.000	13
14	.014	.010	.010	.008	.000	.052	3.91	.011	.006	.000	.057	.000	14
15	.022	.010	.010	.008	.000	.044	2.66	.010	.006	.000	.032	.000	15
16	.081	.020	.010	.006	.000	.044	1.40	.009	.007	.000	.016	.000	16
17	.055	.137	.017	.006	.000	.040	.924	.009	.006	.000	.014	.000	17
18	.056	.093	.025	.005	.000	.168	.570	.009	.006	.000	.013	.000	18
19	.062	.114	.024	.004	.000	.178	.447	.008	.006	.000	.012	.000	19
20	.081	.077	.022	.004	.000	.157	.193	.008	.005	6.22	.009	.000	20
21	.081	.073	.021	.004	.000	.154	.121	.008	.004	.964	.006	.000	21
22	.079	.052	.020	.004	.000	.103	.124	.008	.004	.144	.006	.000	22
23	.089	.039	.020	.005	.000	.075	.559	.008	.004	1.61	.006	.000	23
24	.090	.022	1.68	.009	.000	.074	.462	.009	.004	2.25	.006	.000	24
25	.089	.018	2.04	.009	.000	.065	.364	.015	.007	1.03	.006	.000	25
26	.083	.018	1.57	.007	.000	.030	.255	.042	.006	.599	.005	.000	26
27	.089	.025	1.21	.007	.000	.026	.176	.057	.006	.115	.004	.000	27
28	.086	.068	.886	.006	.000	.024	.059	.061	.006	.075	.004	.000	28
29	.081	.566	.005	.000	.021	.051	.020	.005	.090	.003	.000	.000	29
30	.074	.444	.003	.000	.017	.046	.016	.004	.333	.003	.000	.000	30
31	.067	.180	.000	.000	.064	.011	.639				.000	.000	31
MO	.049	.044	.290	.016	.000	.048	1.50	.020	.006	.455	2.50	.000	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 9 MAI A 06H00
 MAXIMUM INSTANTANE : 40.0 M3/S LE 2 NOVE A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 10 MAI
 MAXIMUM JOURNALIER : 36.4 M3/S LE 2 NOVE

DEBIT MOYEN ANNUEL : .411 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1473403609 YOTOKOPE
 RIVIERE : YOTO
 PAYS : TOGO
 BASSIN : LAC TOGO
 DEBITS EN M3/S

LATIT. 6.42.00
 LONGIT. 1.19.00
 AIRE 790.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.000	9.00	9.63	-	-	1
2	.000	.000	.000	.000	.000	.000	.000	.000	5.44	3.69	-	-	2
3	.000	.000	.000	.000	.000	.000	.000	.000	4.56	19.4	-	-	3
4	.000	.000	.000	.000	.000	.000	.000	.000	4.18	9.52	-	-	4
5	.000	.000	.000	.000	.000	.000	.000	.000	2.43	13.9	-	-	5
6	.000	.000	.000	.000	.000	.000	.000	.000	1.59	14.9	-	-	6
7	.000	.000	.000	.000	.000	.000	.000	.000	3.35	12.6	-	-	7
8	.000	.000	.000	.000	.000	.000	.000	.000	5.29	9.34	-	-	8
9	.000	.000	.000	.000	.000	.000	.000	.097	4.98	7.22	-	-	9
10	.000	.000	.000	.000	.000	.000	.000	.056	7.10	7.66	-	-	10
11	.000	.000	.000	.000	.000	.000	.000	.022	42.7	10.1	-	-	11
12	.000	.000	.000	.000	.000	.000	.000	.020	33.0	8.41	-	-	12
13	.000	.000	.000	.000	.000	.000	.000	.022	16.6	6.82	-	-	13
14	.000	.000	.000	.000	.000	.000	.000	1.42	6.40	4.78	-	-	14
15	.000	.000	.000	.000	.000	.000	.000	14.4	3.78	3.83	-	-	15
16	.000	.000	.000	.000	.000	.000	.000	7.21	3.86	3.15	-	-	16
17	.000	.000	.000	.000	.000	.000	.000	5.89	2.81	10.2	-	-	17
18	.000	.000	.000	.000	.000	.000	.000	2.20	2.19	15.0	-	-	18
19	.000	.000	.000	.000	.000	.000	.000	2.55	1.01	15.3	-	-	19
20	.000	.000	.000	.000	.000	.000	.000	19.6	5.61	14.2	-	-	20
21	.000	.000	.000	.000	.000	.000	.000	10.2	76.3	8.03	-	-	21
22	.000	.000	.000	.000	.000	.000	.000	9.17	+	5.30	-	-	22
23	.000	.000	.000	.000	.000	.000	.000	7.65	+	3.85	-	-	23
24	.000	.000	.000	.000	.000	.000	.000	8.15	32.0	3.57	-	-	24
25	.000	.000	.000	.000	.000	.000	.000	73.7	28.7	3.38	-	-	25
26	.000	.000	.000	.000	.000	.000	.000	44.0	42.5	2.68	-	-	26
27	.000	.000	.000	.000	.000	.000	.000	18.3	87.6	2.35	-	-	27
28	.000	.000	.000	.000	.000	.000	.000	12.4	105.	2.14	-	-	28
29	.000	.000	.000	.000	.000	.000	.000	29.1	75.1	1.72	-	-	29
30	.000	.000	.000	.000	.000	.000	.000	35.9	21.6	1.28	-	-	30
31	.000	.000	.000	.000	.000	.000	.000	12.9	.886		-	-	31
MO	.000	.000	.000	.000	.000	.000	.000	10.2	+	7.57	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 122. M3/S LE 28 SEPT A 05H30

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 105. M3/S LE 28 SEPT

LAC TOGO A KPOME

N° 1473409003

GENERALITES

- superficie du bassin versant.....: km²
- coordonnées de la station: 06°13'N - 01°30'E
- cote du zero de l'échelle: -0.14 m. (IGN) environ
- amplitude de l'échelle: 00.00 à 4.00 m
- accès
- date de création: 01.02.1960
- cadence des relevés: 2 relevés par jour

REMARQUES

- Station de mesures limnimétriques

INVENTAIRE DES COTES INSTANTANÉES 23/02/1988 A 09H09

STATION : 1473409003-1 KPOME

LATIT. 6.13.00

RIVIERE : LAC TOGO

LONGIT. 1.30.00

PAYS : TOGO

BASSIN : LAC TOGO

ANNEE	JANV	FEBR	MARS	AVRI	MAI	JUIN	JUIL	AOÛT	SEPT	OCTO	NOVE	DECE
1960	*	C	C	*	*	*	*	*	C	*	*	*
1961	*	C	C	C	C	C	C	C	C	C	C	C
1962	*	C	C	C	C	C	C	C	C	C	C	*
1963	*	C	C	C	C	C	C	C	C	C	C	*
1964	*	C	C	C	C	C	C	C	C	C	C	*
1965	C	-	-	-	-	-	-	-	-	*	*	*
1966	*	C	C	C	C	C	C	C	C	C	C	C
1967	C	C	C	C	C	C	C	C	C	C	C	C
1968	C	C	C	C	C	*	*	C	C	*	*	C
1969	C	C	C	C	C	C	C	-	C	C	C	C
1970	C	C	C	C	C	C	C	C	C	C	C	C
1971	*	*	*	C	C	C	C	C	C	C	C	C
1972	C	C	C	C	C	C	C	C	C	C	C	C
1973	C	C	C	C	C	C	C	C	C	C	C	C
1974	C	C	C	C	C	C	C	C	C	C	C	C
1975	C	C	C	C	C	C	*	C	C	C	C	C
1976	C	C	C	C	C	C	C	C	C	C	C	C
1977	C	C	C	C	C	C	C	C	C	C	C	C
1978	C	C	C	C	C	C	C	C	C	C	C	C
1979	C	C	C	C	C	C	C	C	C	C	C	C
1980	*	C	*	*	C	C	C	C	C	C	C	*
1981	C	C	C	C	*	C	C	C	C	C	C	C
1982	C	C	C	C	C	C	C	C	C	C	C	C
1983	C	C	C	C	C	C	C	C	C	C	C	C
1984	C	C	C	C	C	C	C	C	C	C	C	*
1985	C	C	C	C	C	C	C	C	C	C	C	C
1986	*	C	C	C	C	C	C	C	C	C	C	*
1987	C	C	C	C	C	C	C	C	C	C	C	C

ANNEE JANV FEBR MARS AVRI MAI JUIN JUIL AOÛT SEPT OCTO NOVE DECE

- : MOIS MANQUANT C : MOIS COMPLET * : MOIS INCOMPLET

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1983

STATION : 1473409003 KPEME LATIT. 6.13.00
 RIVIERE : LAC TOGO LONGIT. 1.30.00
 PAYS : TOGO
 BASSIN : LAC TOGO

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	74	67	50	37	37	50	130	176	184	198	117	80	1
2	75	67	49	36	38	51	129	177	183	198	114	79	2
3	75	66	48	35	41	51	131	178	183	199	112	78	3
4	75	66	47	35	43	52	135	179	183	198	110	79	4
5	76	65	47	34	42	53	138	178	184	198	109	78	5
6	76	65	46	35	41	54	139	179	185	197	107	78	6
7	75	65	47	35	40	55	140	179	185	196	106	78	7
8	76	64	47	34	39	56	142	180	185	194	105	77	8
9	75	64	46	35	40	57	144	180	185	190	103	77	9
10	75	63	47	34	39	57	145	179	184	184	102	76	10
11	76	63	46	33	39	58	147	179	185	181	100	76	11
12	76	62	47	34	40	59	149	180	184	178	99	77	12
13	76	61	47	35	40	59	151	181	184	174	98	76	13
14	75	62	47	37	41	61	153	182	185	170	97	75	14
15	75	61	46	37	42	61	156	182	186	167	96	74	15
16	75	60	45	39	42	63	159	183	186	160	96	72	16
17	74	59	45	40	43	66	161	183	186	156	95	71	17
18	74	58	44	41	44	68	162	184	187	154	93	71	18
19	75	57	44	43	45	68	163	184	188	151	92	71	19
20	75	56	43	44	46	75	164	185	189	147	90	70	20
21	73	55	43	45	47	84	165	186	191	145	89	70	21
22	72	55	42	46	48	91	165	186	192	142	88	69	22
23	70	54	42	47	47	98	166	185	193	139	87	69	23
24	69	54	41	48	48	104	167	186	194	135	86	68	24
25	69	53	40	47	47	109	168	185	195	134	86	69	25
26	69	52	41	45	46	116	168	186	195	131	86	68	26
27	68	51	40	43	46	120	169	186	196	129	85	69	27
28	68	51	39	40	47	123	170	185	197	126	84	68	28
29	68		38	39	48	126	172	185	196	123	82	68	29
30	68		37	38	49	128	173	185	197	121	80	68	30
31	68		36		50		175	184		119		68	31
MO	73	60	44	39	43	76	155	182	188	162	96	73	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE COMPLETE

MINIMUM INSTANTANE : 33 CM LE 11 AVRI A 12H00
 MAXIMUM INSTANTANE : 199 CM LE 3 OCTO A 12H00

MINIMUM JOURNALIER : 33 CM LE 11 AVRI
 MAXIMUM JOURNALIER : 199 CM LE 3 OCTO

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1984

STATION : 1473409003 KPEME LATIT. 6.13.00
 RIVIERE : LAC TOGO LONGIT. 1.30.00
 PAYS : TOGO
 BASSIN : LAC TOGO

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	68	68	66	72	83	82	83	108	231	211	205	137	1
2	68	67	66	72	82	82	82	110	230	212	204	130	2
3	68	66	67	71	83	81	81	113	228	213	202	127	3
4	69	66	66	72	84	82	80	114	226	214	200	124	4
5	69	66	67	75	85	82	79	126	224	215	199	121	5
6	70	67	67	75	85	81	79	133	223	218	199	118	6
7	70	68	67	75	84	82	79	139	221	221	198	116	7
8	70	67	68	75	85	83	80	146	220	225	196	114	8
9	69	67	68	75	84	83	81	149	219	228	195	111	9
10	68	67	68	75	85	83	82	154	217	229	190	109	10
11	68	68	69	75	86	82	84	158	215	230	187	108	11
12	68	68	69	74	85	83	85	167	213	231	184	107	12
13	67	67	69	74	85	83	85	177	213	231	180	106	13
14	67	67	69	72	86	84	85	190	213	231	178	105	14
15	67	67	69	71	86	84	84	198	212	230	176	104	15
16	67	67	69	70	85	84	84	203	210	230	175	103	16
17	66	67	70	71	85	84	85	208	209	229	172	102	17
18	66	66	70	72	84	85	85	213	210	229	169	101	18
19	65	67	69	73	83	85	86	217	211	229	164	-	19
20	67	66	70	73	83	86	87	219	210	229	159	-	20
21	69	67	72	74	82	86	87	221	209	229	155	-	21
22	69	67	74	75	82	86	88	223	208	227	151	-	22
23	70	67	75	75	81	85	88	225	209	225	147	97	23
24	70	68	74	76	80	85	89	226	209	223	145	96	24
25	70	68	74	78	78	86	90	228	209	222	144	94	25
26	69	67	74	78	79	85	92	231	210	220	142	92	26
27	69	66	73	79	79	85	94	232	211	218	140	90	27
28	69	66	71	81	80	84	96	233	210	215	138	89	28
29	69	66	72	82	80	83	98	233	210	208	136	88	29
30	69		73	82	81	84	101	234	210	206	161	88	30
31	69		72		82		106	232		205		88	31
MO	68	67	70	75	83	84	86	186	215	222	173	-	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE INCOMPLETE

MINIMUM INSTANTANE : 65 CM LE 18 JANV A 17H00
 MAXIMUM INSTANTANE : 234 CM LE 30 AOUT A 07H30

MINIMUM JOURNALIER : 65 CM LE 19 JANV
 MAXIMUM JOURNALIER : 234 CM LE 30 AOUT

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1965

STATION : 1473409003 KPEME
RIVIERE : LAC TOGO
PAYS : TOGO
BASSIN : LAC TOGO

LATIT. 6.13.00
LONGIT. 1.30.00

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	88	69	56	67	79	110	98	260	115	124	100	79	1
2	88	68	55	67	80	110	98	262	111	116	99	78	2
3	87	68	56	67	81	109	97	264	109	111	98	77	3
4	87	67	60	68	82	108	97	265	107	107	98	77	4
5	87	67	60	68	83	109	96	267	104	103	98	76	5
6	86	67	60	69	84	108	96	272	102	100	99	76	6
7	86	66	60	69	84	107	98	276	100	99	99	76	7
8	86	66	59	70	83	107	103	280	98	99	100	75	8
9	85	66	59	72	82	106	107	284	96	101	100	75	9
10	85	65	58	76	81	106	109	287	95	102	101	75	10
11	84	66	58	80	82	105	114	290	94	104	100	74	11
12	84	65	57	80	83	105	124	295	93	105	99	74	12
13	84	66	58	81	84	106	135	279	96	106	98	74	13
14	83	66	59	82	85	106	144	267	103	107	96	75	14
15	82	66	62	83	85	106	150	252	113	108	92	74	15
16	82	65	63	84	86	107	160	248	119	109	88	74	16
17	81	65	63	84	86	107	174	236	122	110	86	73	17
18	80	65	64	85	87	106	189	197	124	107	84	72	18
19	79	65	65	84	90	105	198	182	125	104	85	72	19
20	78	65	65	83	92	105	209	171	123	100	85	71	20
21	78	64	66	83	94	104	223	165	122	96	84	70	21
22	77	63	65	82	95	104	233	156	124	98	85	69	22
23	76	61	64	81	96	103	236	149	125	98	85	69	23
24	75	60	63	81	96	103	226	142	127	98	85	68	24
25	75	59	63	80	97	101	247	138	128	98	84	68	25
26	74	58	65	79	97	100	250	132	127	99	63	67	26
27	74	57	68	79	98	99	253	126	126	100	83	67	27
28	73	57	69	78	100	98	255	121	125	100	82	66	28
29	71		68	79	103	98	255	119	126	101	81	66	29
30	70		67	79	105	98	257	117	125	100	80	66	30
31	70		67		109		258	116		100		66	31
MO	80	64	62	77	89	105	171	213	113	103	91	72	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE COMPLETE

MINIMUM INSTANTANE : 55 CM LE 3 MARS A 07H30
MAXIMUM INSTANTANE : 298 CM LE 12 AOUT A 07H00

MINIMUM JOURNALIER : 56 CM LE 1 MARS
MAXIMUM JOURNALIER : 295 CM LE 12 AOUT

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1966

STATION : 1473409003 KPEME
RIVIERE : LAC TOGO
PAYS : TOGO
BASSIN : LAC TOGO

LATIT. 6.13.00
LONGIT. 1.30.00

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	64	62	65	67	70	103	99	79	99	111	102	1
2	65	64	62	65	67	70	104	96	80	99	111	101	2
3	65	64	61	66	66	71	106	94	79	99	110	101	3
4	66	64	61	66	66	72	108	92	79	98	109	100	4
5	65	65	60	67	66	74	110	91	80	98	108	100	5
6	65	64	60	67	66	75	111	90	81	98	109	100	6
7	65	64	60	67	66	77	112	89	82	99	109	99	7
8	65	63	61	66	65	78	111	89	82	99	110	99	8
9	66	63	61	66	65	79	110	89	84	103	109	98	9
10	66	63	61	67	65	80	110	88	86	106	109	98	10
11	66	63	62	67	65	80	109	88	93	109	110	98	11
12	67	63	62	67	65	81	107	88	99	111	110	97	12
13	66	63	63	66	64	83	105	87	103	112	110	96	13
14	67	63	63	67	64	83	104	87	106	113	111	95	14
15	66	63	63	66	64	84	103	86	107	114	110	94	15
16	66	62	64	66	64	86	102	86	108	114	111	93	16
17	67	62	64	66	64	88	101	85	110	115	112	92	17
18	66	61	64	67	64	91	101	85	110	116	112	90	18
19	66	61	64	66	64	94	100	85	110	118	112	89	19
20	66	61	64	67	63	96	100	84	109	118	111	86	20
21	66	62	65	66	64	99	100	84	107	118	110	84	21
22	65	62	65	66	65	101	99	85	105	116	110	81	22
23	66	62	65	67	65	102	101	84	103	115	109	78	23
24	66	63	65	67	66	104	101	84	100	114	109	77	24
25	65	62	64	68	66	107	101	83	99	114	108	76	25
26	65	63	64	67	67	108	100	83	99	111	107	75	26
27	65	63	65	67	67	106	100	82	98	109	105	75	27
28	65	63	65	68	68	105	100	82	98	110	104	75	28
29	66		64	67	68	104	101	81	97	111	103	75	29
30	65		64	67	69	102	102	81	97	112	103	75	30
31	65		64		69		101	80		112		-	31
MO	-	63	63	67	66	88	104	87	96	109	109	-	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE INCOMPLETE

MINIMUM INSTANTANE : 60 CM LE 5 MARS A 06H00
MAXIMUM INSTANTANE : 118 CM LE 19 OCTO A 17H00

MINIMUM JOURNALIER : 60 CM LE 5 MARS
MAXIMUM JOURNALIER : 113 CM LE 19 OCTO

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1967

STATION : 1473409003 KPEME LATIT. 6.13.00
 RIVIERE : LAC TOGO LONGIT. 1.30.00
 PAYS : TOGO
 BASSIN : LAC TOGO

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	74	65	62	66	55	50	54	73	237	269	108	88	1
2	74	64	61	65	55	49	53	74	242	264	107	88	2
3	74	65	60	66	54	49	54	75	249	259	106	88	3
4	73	65	61	65	54	49	54	76	257	249	105	87	4
5	74	64	61	66	54	48	54	78	264	237	103	86	5
6	74	64	62	65	53	48	55	79	266	226	102	85	6
7	74	65	62	65	54	48	55	82	267	218	101	84	7
8	73	64	63	64	53	48	56	85	271	205	99	83	8
9	72	64	63	64	53	48	57	90	275	199	97	82	9
10	72	63	64	63	52	48	58	94	278	193	94	82	10
11	72	62	64	62	52	48	59	98	277	184	91	82	11
12	71	61	64	61	51	48	59	101	276	177	87	81	12
13	71	60	65	61	51	47	60	103	279	169	85	80	13
14	71	59	65	60	52	47	59	108	283	161	83	80	14
15	70	58	65	61	51	47	59	112	287	154	83	79	15
16	70	58	65	60	50	47	58	114	288	148	83	80	16
17	69	59	65	60	51	47	59	116	290	144	83	80	17
18	69	60	66	59	51	48	59	117	293	138	83	79	18
19	68	61	65	59	51	48	60	119	295	133	84	79	19
20	67	62	66	58	51	48	61	126	297	129	86	80	20
21	66	63	66	59	50	49	62	134	298	126	88	80	21
22	65	64	67	59	51	49	63	144	302	126	88	80	22
23	65	64	66	58	51	49	64	150	309	126	89	79	23
24	66	65	67	57	50	50	66	154	320	127	90	79	24
25	66	65	68	57	50	51	68	164	337	127	90	79	25
26	66	64	68	56	51	51	70	181	355	126	90	78	26
27	65	63	69	56	51	52	71	191	331	124	90	78	27
28	65	62	68	55	50	52	71	201	310	121	89	77	28
29	65		69	55	50	53	72	211	289	116	89	77	29
30	65		68	54	49	54	72	223	277	113	88	76	30
31	64		67		49		73	233		110		75	31
MO	69	63	65	60	52	49	61	126	287	167	92	81	MO

- : lacune . : à sec ou arrêt de l'écoulement
 ANNEE COMPLETE

MINIMUM INSTANTANE : 47 CM LE 13 JUIN A 06H00
 MAXIMUM INSTANTANE : 361 CM LE 26 SEPT A 06H00

MINIMUM JOURNALIER : 47 CM LE 13 JUIN
 MAXIMUM JOURNALIER : 355 CM LE 26 SEPT

GENERALITES

- superficie du bassin versant.....: Km^2
- coordonnées de la station: 09°01'N - 01°23'E
- cote du zero de l'échelle:
- amplitude de l'échelle:
- accès: Route SOKODE-TCHAMBA
- date de création: 01.01.1980
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 20
- maximum jaugé: H = 165 CM
Q = 20.2 M^3/S
date : 11.09.1985
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 01.01.1980 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M^3/S	hauteur en CM	débit en M^3/S
000	00000	080	6.350
005	00000	090	8.040
006	0.002	100	9.730
007	0.003	110	11.40
008	0.005	120	13.10
009	0.007	130	14.80
010	0.010	140	16.50
020	0.120	150	18.30
030	0.401	160	20.20
040	0.907	170	22.30
050	1.900	180	24.60
060	3.230	190	27.10
070	4.710	200	29.70
		210	32.50

STATION : 1474000119 TCHAMBA

RIVIERE : MONO

PAYS : TOGO

BASSIN : MONO

DEBITS EN M^3/S

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1980	-	.311	-	-	.215	.011	5.59	-	-	10.3	3.25	-	-
1981	.288	.117	-	-	.278	.330	3.14	+	+	3.76	.518	.209	-
1982	.095	.000	.045	.175	.334	.314	2.21	-	-	-	-	-	-
1983	-	-	-	-	-	.720	-	-	3.74	1.09	.102	.019	-
1984	.000	.000	.000	1.10	.433	-	-	-	+	+	-	.083	-
1985	.000	.000	.000	-	-	-	-	+	+	+	.886	.217	-
1986	.072	.000	.065	.088	.114	.148	1.56	+	+	+	.902	.249	-
1987	.138	-	.000	.000	.107	.509	-	+	+	2.59	.397	.129	-
MOY.	.098	.071	.022	.341	.247	.472	3.13	-	3.74	4.44	1.01	.151	-

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1474000119 TCHAMBA
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	.000	-	-	2.95	3.11	.257	.009	1
2	-	-	-	-	-	.000	-	-	2.37	2.57	.236	.010	2
3	-	-	-	-	-	.000	-	-	1.73	1.85	.232	.011	3
4	-	-	-	-	-	.009	-	-	1.84	2.38	.229	.019	4
5	-	-	-	-	-	.010	-	-	2.22	3.04	.204	.026	5
6	-	-	-	-	-	.010	-	-	1.92	2.38	.180	.059	6
7	-	-	-	-	-	.010	-	-	7.28	1.85	.173	.065	7
8	-	-	-	-	-	.026	-	-	9.60	1.99	.152	.063	8
9	-	-	-	-	-	.076	-	-	7.12	1.58	.148	.055	9
10	-	-	-	-	-	.119	-	-	6.50	1.52	.148	.052	10
11	-	-	-	-	-	.138	-	-	4.32	1.07	.145	.044	11
12	-	-	-	-	-	.383	-	-	2.30	.730	.122	.043	12
13	-	-	-	-	-	.401	-	-	1.79	.638	.110	.041	13
14	-	-	-	-	-	.390	-	-	1.68	.679	.108	.032	14
15	-	-	-	-	-	.229	-	-	2.29	.603	.098	.022	15
16	-	-	-	-	-	.233	-	-	1.99	.554	.085	.019	16
17	-	-	-	-	-	.790	-	-	2.63	.605	.067	.011	17
18	-	-	-	-	-	1.80	-	-	2.34	.730	.063	.007	18
19	-	-	-	-	-	6.55	-	-	2.83	.705	.055	.005	19
20	-	-	-	-	-	3.54	-	-	1.81	.654	.052	.003	20
21	-	-	-	-	-	1.16	-	-	1.94	.603	.044	.002	21
22	-	-	-	-	-	.641	-	-	7.79	.553	.041	.002	22
23	-	-	-	-	-	.597	-	-	8.31	.502	.032	.001	23
24	-	-	-	-	-	.604	-	-	5.90	.452	.021	.000	24
25	-	-	-	-	-	.863	-	-	4.47	.407	.011	.000	25
26	-	-	-	-	-	.869	2.38	-	3.60	.398	.009	.000	26
27	-	-	-	-	-	.641	12.1	-	3.02	.373	.007	.000	27
28	-	-	-	-	-	.584	10.5	-	2.83	.345	.007	.000	28
29	-	-	-	-	-	.471	3.16	-	2.76	.317	.007	.000	29
30	-	-	-	-	-	.452	4.90	-	4.00	.289	.007	.000	30
31	-	-	-	-	-		11.9	-		.265		.000	31
MO	-	-	-	-	-	.720	-	-	3.74	1.09	.102	.019	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JUIN A 00H00
 MAXIMUM INSTANTANE : 15.1 M3/S LE 31 JUIL A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JUIN
 MAXIMUM JOURNALIER : 12.1 M3/S LE 27 JUIL

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1474000119 TCHAMBA
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.973	.203	1.85	.859	25.7	+	.150	.120	1
2	.000	.000	.000	.000	.882	.202	1.67	.787	28.1	+	.367	.120	2
3	.000	.000	.000	.000	.778	.180	.440	.731	25.6	+	.593	.120	3
4	.000	.000	.000	.000	.533	.297	.304	.677	-	+	.699	.120	4
5	.000	.000	.000	.000	.476	.427	.279	.612	6.96	+	.632	.120	5
6	.000	.000	.000	.003	2.32	-	.328	.745	6.38	+	.603	.120	6
7	.000	.000	.000	.064	1.94	.166	.345	-	6.27	+	-	.120	7
8	.000	.000	.000	.031	1.15	.190	-	.822	6.02	+	.471	.119	8
9	.000	.000	.000	.012	.812	.387	.138	.730	5.69	9.74	-	.110	9
10	.000	.000	.000	.007	.772	.404	.713	.631	5.30	-	.483	.109	10
11	.000	.000	.000	.007	.288	.444	10.6	.607	4.71	4.70	.479	.106	11
12	.000	.000	.000	.006	.131	.376	-	.639	4.36	4.49	.428	.098	12
13	.000	.000	.000	.005	.120	.346	8.04	.581	-	4.02	.401	.098	13
14	.000	.000	.000	.004	.119	-	-	.528	12.0	2.95	-	.098	14
15	.000	.000	.000	.004	.104	.401	7.60	-	13.0	2.37	-	.098	15
16	.000	.000	.000	.030	.108	.383	1.15	.692	14.4	2.03	.384	.098	16
17	.000	.000	.000	.041	.106	.307	.747	.827	15.9	1.69	.359	.092	17
18	.000	.000	.000	.282	.095	.332	-	1.01	18.0	1.87	.304	.086	18
19	.000	.000	.000	1.19	.084	.397	.651	1.40	20.5	1.75	.223	.077	19
20	.000	.000	.000	10.5	.079	-	.608	2.04	28.9	1.57	-	.076	20
21	.000	.000	.000	8.26	.089	1.16	-	2.68	26.4	1.79	-	.076	21
22	.000	.000	.000	7.93	.094	1.44	.619	2.96	25.5	-	.120	.076	22
23	.000	.000	.000	.542	.087	1.45	.698	3.54	28.1	1.46	.120	.075	23
24	.000	.000	.000	.057	.104	1.30	.656	4.04	-	1.22	.120	.066	24
25	.000	.000	.000	.298	.138	1.17	.603	4.00	4.07	.972	.120	.061	25
26	.000	.000	.000	.130	.129	1.06	.584	3.13	4.88	.833	.120	.053	26
27	.000	.000	.000	.119	.154	1.07	.701	2.76	6.03	.364	.120	.042	27
28	.000	.000	.000	.159	.182	1.93	1.50	2.39	-	-	.120	.014	28
29	.000	.000	.000	1.35	.195	3.15	1.51	2.26	11.5	.099	.120	.007	29
30	.000		.000	1.84	.177	-	1.40	2.62	+	-	.120	.007	30
31	.000		.000		.183		.695	4.37		.016		.007	31
MO	.000	.000	.000	1.10	.433	-	-	-	+	+	-	.083	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 32.5 M3/S LE 30 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 28.9 M3/S LE 20 SEPT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1995

STATION : 1474000119 TCHAMBA
RIVIERE : MONO
PAYS : TOGO
BASSIN : MONO

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	.000	.000	.002	.000	.119	1.66	19.3	14.4	+	1.90	.371	1
2	.005	.000	.000	.004	.007	.098	1.81	17.4	15.6	+	1.89	.371	2
3	.005	.000	.000	.004	.006	.082	.609	14.0	+	+	1.71	.345	3
4	.004	.000	.000	.001	.005	-	.427	11.0	+	+	1.65	.319	4
5	.001	.000	.000	.005	.009	-	.445	8.36	+	31.4	1.55	.317	5
6	.000	.000	.000	.082	.050	.003	1.29	12.4	+	29.8	1.45	.315	6
7	.000	.000	.000	.101	.037	.000	2.62	18.3	+	-	1.31	.289	7
8	.000	.000	.000	.053	.016	.007	2.91	14.9	+	29.0	1.15	.263	8
9	.000	.000	.000	.025	.008	.109	3.21	-	-	28.7	.955	.261	9
10	.000	.000	.000	.061	.010	.056	3.21	20.2	-	-	.907	.261	10
11	.000	.000	.000	.041	.055	.032	4.19	20.7	-	29.6	.882	.261	11
12	.000	.000	.000	.015	.038	.021	2.90	17.1	-	29.5	.831	.261	12
13	.000	.000	.000	.008	.026	.010	1.77	8.30	-	-	.806	.259	13
14	.000	.000	.000	.005	.015	.007	1.29	10.9	-	28.2	.781	.234	14
15	.000	.000	.000	.005	.010	.007	1.30	13.4	-	28.0	.755	.232	15
16	.000	.000	.000	.005	.009	.009	2.55	+	-	26.9	.755	.218	16
17	.000	.000	.001	-	.006	.008	-	+	13.4	-	.741	.202	17
18	.000	.000	.001	.042	-	.007	3.41	+	12.6	4.71	.707	.178	18
19	.000	.000	.001	.026	-	.016	3.22	+	18.0	-	.680	.176	19
20	.000	.000	.001	.010	.000	.113	2.89	+	+	4.41	.629	.174	20
21	.000	.000	.001	.004	.000	-	2.31	+	+	-	.600	.150	21
22	.000	.000	.001	.001	.029	.263	2.09	+	+	4.27	.556	.148	22
23	.000	.000	.001	.000	.700	.284	4.52	14.7	+	-	.539	.148	23
24	.000	.000	.001	.000	1.38	.236	4.16	+	26.6	3.97	.500	.146	24
25	.000	.000	.001	.000	.347	-	3.21	+	20.5	3.80	.455	.122	25
26	.000	.000	.001	.000	.020	.174	3.05	+	18.3	3.32	.427	.120	26
27	.000	.000	.001	.000	.005	.148	4.05	30.2	17.6	3.02	.399	.120	27
28	.000	.000	.001	.000	.003	.122	10.5	23.6	17.8	2.69	.367	.120	28
29	.000	.000	.001	.000	.002	.191	9.58	17.6	28.9	2.33	.346	.119	29
30	.000	.000	.001	.000	.018	.326	8.76	-	28.8	-	.347	.110	30
31	.000	.000	.001	.000	.174	.12.7	13.0			1.90		.109	31
MO	-	.000	.000	-	-	-	-	+	+	+	.896	.217	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 6 JANV A 06H56

MAXIMUM INSTANTANE : 32.5 M3/S LE 25 AOUT A 08H00

MINIMUM JOURNALIER : .000 M3/S LE 7 JANV

MAXIMUM JOURNALIER : 31.4 M3/S LE 5 OCTO

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1474000119 TCHAMBA
RIVIERE : MONO
PAYS : TOGO
BASSIN : MONO
OEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.109	.006	.000	.247	.054	.076	.146	3.90	6.69	10.8	2.20	.317	1
2	.109	.004	.000	.204	.054	.078	.122	2.06	5.76	7.19	2.09	.317	2
3	.109	.002	.000	.148	.048	.101	.119	2.85	7.11	6.48	1.81	.309	3
4	.109	.001	.000	.119	.043	.087	.211	3.27	+	+	1.75	.290	4
5	.110	.000	.000	.104	.047	.076	2.23	5.96	+	+	1.64	.289	5
6	.119	.000	.000	.087	.043	.077	2.26	+	+	+	1.45	.281	6
7	.120	.000	.000	.081	.046	.096	2.31	+	+	+	1.31	.262	7
8	.115	.000	.000	.076	.095	.094	4.00	+	+	13.2	1.34	.261	8
9	.109	.000	.000	.077	.124	.117	5.19	8.02	+	10.9	1.17	.261	9
10	.108	.000	.000	.091	.229	.109	3.76	4.98	18.6	9.19	1.06	.261	10
11	.098	.000	.000	.096	.298	.098	2.32	3.40	16.3	8.07	.959	.261	11
12	.098	.000	.000	.087	.248	.098	1.91	3.64	18.3	6.88	.904	.261	12
13	.097	.000	.000	.076	.192	.098	1.23	-	15.5	5.93	.831	.253	13
14	.087	.000	.000	.075	.174	.097	.812	3.99	15.0	5.20	.758	.233	14
15	.076	.000	.000	.067	.150	.091	.733	4.26	19.0	4.45	.730	.232	15
16	.065	.000	.000	.080	.138	.144	.784	6.71	9.64	4.38	.680	.232	16
17	.065	.000	.000	.075	.159	.160	.891	9.52	8.15	3.81	.651	.232	17
18	.065	.000	.021	.065	.133	.139	1.24	7.88	8.07	3.04	.606	.232	18
19	.064	.000	.075	.065	.109	.185	1.24	6.63	6.17	2.69	.578	.232	19
20	.054	.000	.057	.059	.098	.167	.894	4.27	5.29	3.06	.550	.232	20
21	.054	.000	.010	.054	.088	.199	.882	5.07	7.64	2.88	.502	.232	21
22	.053	.000	.005	.064	.098	.164	1.06	3.40	6.10	2.59	.455	.224	22
23	.043	.000	.002	.064	.113	.146	1.05	11.3	5.13	-	.449	.205	23
24	.043	.000	.000	.054	.108	.167	.787	+	4.36	2.28	.404	.204	24
25	.042	.000	.000	.054	.098	.487	.613	+	4.34	1.98	.399	.212	25
26	.032	.000	.016	.056	.097	.257	.470	+	4.40	1.75	.375	.231	26
27	.031	.000	.287	.089	.088	.257	.400	16.8	4.04	1.62	.371	.232	27
28	.021	.000	.506	.066	.097	.218	1.69	12.3	3.47	2.34	.347	.232	28
29	.020	.000	.406	.076	.097	.178	2.37	+	5.79	2.70	.345	.232	29
30	.010	.000	.359	.065	.087	.162	3.09	+	14.1	2.12	.331	.232	30
31	.007	.000	.291	.086	.086	.3.60	18.3			1.79		.232	31
MO	.072	.000	.065	.098	.114	.148	1.56	+	+	+	.902	.249	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 4 FEVR A 18H00

MAXIMUM INSTANTANE : 25.7 M3/S LE 30 AOUT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 5 FEVR

MAXIMUM JOURNALIER : 19.0 M3/S LE 15 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1997

STATION : 1474000119 TCHAMBA
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.204	-	.000	.000	.000	.181	.356	9.46	+	4.71	.741	.202	1
2	.204	-	.000	.000	.000	.218	.503	6.49	+	6.16	.692	.178	2
3	.204	-	.000	.000	.000	.273	.349	1.57	+	4.92	.641	.176	3
4	.204	-	.000	.000	.000	.333	.277	5.37	+	4.32	.605	.176	4
5	.204	-	.000	.000	.000	.368	.220	5.54	+	3.69	.603	.176	5
6	.204	-	.000	.000	.000	.317	.202	4.07	+	3.31	.589	.176	6
7	.204	-	.000	.000	.000	.262	.195	2.42	20.1	3.02	.555	.168	7
8	.196	-	.000	.000	.000	.216	.257	1.75	14.7	2.86	.539	.149	8
9	.177	-	.000	.000	.000	.176	-	1.36	12.6	2.98	.490	.148	9
10	.176	-	.000	.000	.000	.319	-	-	11.0	3.12	.454	.148	10
11	.176	-	.000	.000	.000	.335	.622	-	10.2	2.74	.438	.148	11
12	.176	-	.000	.000	.000	.480	.721	4.62	12.8	4.10	.403	.148	12
13	.176	-	.000	.000	.000	.680	.619	7.57	11.9	3.24	.401	.148	13
14	.168	-	.000	.000	.000	.714	.412	+	13.1	2.68	.393	.140	14
15	.149	-	.000	.000	.000	.543	.308	+	+	3.75	.366	.121	15
16	.148	-	.000	.000	.000	.616	.414	+	+	3.06	.346	.120	16
17	.148	-	.000	.000	.000	.446	.796	+	+	2.76	.337	.120	17
18	.140	-	.000	.000	.000	.422	.584	+	12.5	2.37	.318	.120	18
19	.121	-	.000	.000	.000	.373	.403	13.3	10.9	1.98	.309	.120	19
20	.120	.000	.000	.000	.000	.303	.297	-	8.98	1.76	.290	.120	20
21	.117	.000	.000	.000	.000	.277	.670	-	7.73	1.64	.289	.117	21
22	.109	.000	.000	.000	.000	.273	.575	-	8.83	1.50	.281	.109	22
23	.106	.000	.000	.000	.000	.236	.410	6.11	-	1.40	.262	.106	23
24	.095	.000	.000	.000	.000	.230	1.99	10.7	6.97	1.31	.261	.098	24
25	.084	.000	.000	.000	.000	.204	2.33	14.3	6.14	1.26	.253	.094	25
26	.073	.000	.000	.000	.422	.574	1.39	-	6.82	1.16	.233	.087	26
27	.062	.000	.000	.000	1.27	3.92	4.14	-	5.98	1.05	.224	.083	27
28	.051	.000	.000	.000	.748	1.08	3.29	-	5.77	.913	.205	.076	28
29	.040	.000	.000	.000	.384	.615	13.6	-	5.37	.882	.204	.076	29
30	.029	.000	.000	.000	.276	.274	9.22	23.9	4.96	.831	.204	.076	30
31	.021	.000	.000	.000	.218	-	19.3	-	-	.781	-	.076	31
MO	.138	-	.000	.000	.107	.509	-	+	+	2.59	.397	.129	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 20 FEVR A 00H00

MAXIMUM INSTANTANE : 31.9 M3/S LE 1 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 20 FEVR

MAXIMUM JOURNALIER : 23.9 M3/S LE 30 AOUT

GENERALITES

- superficie du bassin versant.....: 5.590 Km²
- coordonnées de la station: 07°49'N - 01°16'E
- cote du zero de l'échelle: 153.28 m. (IGN)
- amplitude de l'échelle: 0 à 9.00 m.
- accès: Pont métallique de la route
ANIE-ELAVAGNON
- date de création: 06.04.1960
- cadence des relevés: 1 à 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 134
- maximum jaugeé: H = 565 CM
Q = 288 M³/S
date : 10.09.1966
- nombre de tarages entre 1983 et 1987: 4
- dernier étalonnage utilisé :
valide du 10.08.1984 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	00000	140	6.500
054	00000	150	8.550
056	0.005	160	10.80
058	0.018	170	13.30
060	0.035	180	16.00
064	0.102	200	22.00
068	0.230	220	28.40
075	0.490	240	35.20
085	0.920	260	42.80
095	1.410	300	59.30
100	1.680	360	89.00
105	2.000	440	136.0
110	2.350	520	190.0
115	2.850	600	252.0
120	3.410	720	366.0
130	4.800	900	543.0

STATION : 1474000111 DOTA KOPE

RIVIERE : MONO

PAYS : TOGO

BASSIN : MONO

DEBITS EN M3/S

LATIT. 7.49.00

LONGIT. 1.16.00

ALTIT. 153M

AIRE 5590.00 KM2

ANNEE	JANV	FEV	MARS	AVR	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1960	-	-	-	-	1.28	11.5	71.8	107.	256.	103.	13.5	2.15	-
1961	.611	.152	.000	.000	.000	.185	20.7	23.7	31.9	16.1	.848	.063	7.86
1962	.000	.000	.000	.000	1.44	29.5	-	162.	230.	135.	-	-	-
1963	.522	.218	1.49	.040	.756	4.44	156.	289.	294.	185.	10.0	3.96	81.3
1964	1.19	.324	.036	.499	.932	1.47	32.6	101.	249.	37.5	-	.935	-
1965	.290	.185	.038	.081	1.07	21.3	159.	173.	146.	31.2	2.29	.216	44.6
1966	.029	.000	.000	.000	.083	8.97	47.7	243.	218.	63.0	11.7	1.05	49.5
1967	.156	.028	.036	1.84	.812	3.93	66.2	217.	304.	115.	14.0	3.90	60.6
1968	1.03	.152	.035	.048	2.08	10.7	134.	242.	262.	97.5	16.7	2.36	64.1
1969	.676	.175	.062	1.06	1.04	1.20	51.4	158.	285.	111.	32.4	3.37	53.8
1970	1.02	.374	1.23	.096	.813	-	3.59	109.	389.	59.6	-	-	-
1971	.509	.126	.749	1.49	1.39	2.12	18.1	105.	133.	22.9	1.77	.271	24.0
1972	.030	.000	.178	.356	5.13	13.5	65.7	50.2	114.	34.0	4.47	.392	24.0
1973	.026	.000	.000	.030	.003	.457	15.0	62.8	140.	70.3	4.84	.391	24.5
1974	.029	.000	.000	.029	.000	.220	59.0	111.	179.	72.8	7.78	.811	35.9
1975	.111	.009	.187	.113	1.01	3.74	53.8	119.	141.	75.2	-	-	-
1976	.092	.007	.000	.230	2.21	14.0	18.9	67.5	31.8	116.	51.6	-	-
1977	-	.279	.006	.001	.000	.108	3.25	43.3	150.	61.4	3.21	.264	-
1978	.008	.000	.000	.583	1.86	4.81	111.	73.4	140.	102.	24.0	1.91	38.3
1979	.668	.073	.003	.018	.006	10.9	151.	219.	228.	75.8	14.0	-	-
1980	-	.021	.000	.000	.611	5.10	30.6	196.	208.	82.3	20.7	2.26	-
1981	.457	.095	.032	.017	.142	.086	8.87	102.	97.2	14.0	1.32	.082	18.7
1982	.007	.000	.000	.043	1.15	.102	4.97	11.1	67.3	8.83	2.25	.140	7.99
1983	.003	.000	.000	.000	.000	14.3	16.8	15.8	11.4	3.16	.169	.010	5.14
1984	.000	.000	.037	.021	.936	2.61	14.5	16.0	62.6	25.9	1.21	.094	10.3
1985	.000	.000	.004	.955	.000	.660	61.8	184.	177.	29.7	2.20	.290	38.1
1986	.001	.000	.000	.095	.054	.000	15.6	56.5	80.2	51.5	8.33	.443	17.7
1987	.006	.000	.000	.000	.093	.246	3.20	*	*	32.7	1.80	.102	-
MDY.	.299	.082	.153	.283	.889	6.15	51.7	121.	171.	65.4	11.7	1.11	33.7

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1474000111 DOTA KOPE LATIT. 7.49.00
 RIVIERE : MONO LONGIT. 1.16.00
 PAYS : TOGO ALTIT. 153M
 BASSIN : MONO AIRE 5590.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.015	.000	.000	.000	.000	.000	5.82	34.3	19.3	6.86	.373	.043	1
2	.015	.000	.000	.000	.000	.261	5.43	39.0	15.4	7.13	.347	.040	2
3	.014	.000	.000	.000	.000	8.65	4.49	27.3	12.3	9.47	.339	.033	3
4	.010	.000	.000	.000	.000	7.84	4.13	19.0	9.86	8.89	.314	.031	4
5	.010	.000	.000	.000	.000	2.89	10.0	16.4	8.46	7.03	.288	.026	5
6	.010	.000	.000	.000	.000	1.77	36.0	17.8	7.40	5.75	.270	.022	6
7	.008	.000	.000	.000	.000	1.25	45.0	15.4	6.64	5.39	.262	.022	7
8	.006	.000	.000	.000	.000	1.03	26.7	13.2	7.98	4.89	.237	.021	8
9	.006	.000	.000	.000	.000	.841	22.2	14.1	7.96	5.35	.219	.016	9
10	.004	.000	.000	.000	.000	.771	22.7	13.1	8.28	5.14	.208	.012	10
11	.002	.000	.000	.000	.000	.788	19.4	14.7	18.7	4.11	.178	.011	11
12	.001	.000	.000	.000	.000	1.08	13.3	36.0	13.2	3.49	.165	.009	12
13	.000	.000	.000	.000	.000	8.52	10.6	21.2	9.66	3.12	.169	.008	13
14	.000	.000	.000	.000	.000	38.8	8.96	25.4	8.56	2.72	.171	.006	14
15	.000	.000	.000	.000	.000	19.2	10.7	16.8	9.82	2.31	.142	.005	15
16	.000	.000	.000	.000	.000	10.5	10.7	13.4	21.2	2.15	.125	.003	16
17	.000	.000	.000	.000	.000	27.7	11.8	10.5	16.2	1.93	.117	.002	17
18	.000	.000	.000	.000	.000	41.4	13.2	8.78	12.4	1.69	.114	.001	18
19	.000	.000	.000	.000	.000	17.4	25.1	7.73	10.1	1.53	.104	.002	19
20	.000	.000	.000	.000	.000	15.9	20.1	6.75	8.54	1.29	.102	.001	20
21	.000	.000	.000	.000	.000	30.8	18.0	6.10	7.38	1.15	.116	.001	21
22	.000	.000	.000	.000	.000	25.8	13.1	5.52	7.02	1.02	.114	.000	22
23	.000	.000	.000	.000	.000	15.8	10.0	5.73	6.56	.933	.107	.000	23
24	.000	.000	.000	.000	.000	10.2	8.07	6.82	8.84	.820	.104	.000	24
25	.000	.000	.000	.000	.000	37.5	8.49	6.71	18.5	.752	.093	.000	25
26	.000	.000	.000	.000	.000	42.2	13.3	5.42	17.3	.667	.080	.000	26
27	.000	.000	.000	.000	.000	30.5	13.6	5.21	13.4	.614	.062	.000	27
28	.000	.000	.000	.000	.000	15.5	16.3	11.8	11.5	.563	.054	.000	28
29	.000	.000	.000	.000	.000	8.77	32.1	22.8	10.5	.506	.051	.000	29
30	.000	.000	.000	.000	.000	6.38	37.8	20.3	6.43	.445	.043	.000	30
31	.000	.000	.000	.000	.000	24.8	23.2			.409		.000	31
MO	.003	.000	.000	.000	.000	14.3	16.8	15.8	11.4	3.16	.169	.010	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 13 JANV A 06H00
 MAXIMUM INSTANTANE : 68.5 M3/S LE 25 JUIN A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 14 JANV
 MAXIMUM JOURNALIER : 45.0 M3/S LE 7 JUIL

DEBIT MOYEN ANNUEL : 5.14 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1474000111 DOTA KOPE LATIT. 7.49.00
 RIVIERE : MONO LONGIT. 1.16.00
 PAYS : TOGO ALTIT. 153M
 BASSIN : MONO AIRE 5590.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.022	.060	.468	6.55	5.56	44.5	127.	3.21	.358	1
2	.000	.000	.000	.022	.065	.344	12.5	8.48	91.4	91.0	2.88	.296	2
3	.000	.000	.000	.024	.040	.306	30.6	16.2	92.6	57.2	2.58	.258	3
4	.000	.000	.000	.027	.032	.256	21.9	10.3	88.9	44.4	2.34	.222	4
5	.000	.000	.000	.027	.048	.276	28.7	8.50	93.8	38.2	2.22	.199	5
6	.000	.000	.000	.027	.914	.356	15.2	20.4	56.2	41.7	1.98	.189	6
7	.000	.000	.000	.026	3.91	.246	9.71	36.9	74.6	46.7	1.75	.167	7
8	.000	.000	.000	.022	3.49	.372	7.05	46.2	49.6	33.4	1.69	.157	8
9	.000	.000	.000	.024	2.70	.971	5.62	27.9	34.3	28.8	1.53	.135	9
10	.000	.000	.000	.027	2.24	1.77	11.2	17.2	28.1	24.9	1.40	.125	10
11	.000	.000	.000	.027	1.58	1.19	13.3	16.4	21.5	23.1	1.33	.100	11
12	.000	.000	.000	.023	1.10	.753	9.83	21.6	18.3	24.4	1.22	.086	12
13	.000	.000	.000	.012	1.06	.583	7.77	14.5	16.7	24.4	1.11	.080	13
14	.000	.000	.000	.011	1.48	.449	6.98	11.4	15.0	21.1	1.06	.069	14
15	.000	.000	.000	.008	1.18	1.70	6.98	17.5	37.2	18.5	.993	.068	15
16	.000	.000	.000	.006	.897	5.14	6.28	19.6	42.1	18.2	.911	.063	16
17	.000	.000	.000	.004	.644	3.97	10.8	13.8	36.2	18.4	.866	.045	17
18	.000	.000	.000	.000	.500	2.97	18.9	14.1	70.9	18.4	.811	.029	18
19	.000	.000	.000	.001	.509	4.41	23.2	15.7	49.8	14.7	.739	.034	19
20	.000	.000	.000	.000	.676	1.79	20.4	9.86	39.2	11.7	.694	.032	20
21	.000	.000	.000	.001	.624	1.23	28.9	14.2	34.5	9.92	.651	.026	21
22	.000	.000	.000	.000	.709	1.08	27.5	20.4	40.5	8.04	.608	.026	22
23	.000	.000	.000	.185	.000	.637	.974	18.5	22.2	51.4	8.93	.565	23
24	.000	.000	.000	.483	.000	.479	.916	13.9	14.2	73.0	11.0	.522	24
25	.000	.000	.175	.000	.344	.757	10.0	10.6	74.4	8.44	.481	.024	25
26	.000	.000	.100	.021	.450	.710	7.62	10.6	59.3	7.51	.454	.018	26
27	.000	.000	.070	.059	.765	1.65	24.9	8.66	189.	6.37	.453	.018	27
28	.000	.000	.051	.051	.697	17.7	18.6	5.88	137.	4.85	.432	.018	28
29	.000	.000	.040	.095	.458	16.6	10.9	6.04	108.	4.50	.381	.016	29
30	.000	.000	.051	.070	.343	8.52	7.85	8.21	110.	4.03	.379	.009	30
31	.000	.000	.026	.378		6.15	25.1			3.55		.005	31
MO	.000	.000	.037	.021	.935	2.81	14.5	16.0	62.6	25.9	1.21	.094	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 273. M3/S LE 27 SEPT A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 189. M3/S LE 27 SEPT

DEBIT MOYEN ANNUEL : 10.3 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1474000111 DOTAIKOPE
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.49.00
 LONGIT. 1.16.00
 ALTIT. 153M
 AIRE 5590.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.005	.000	.000	.645	.000	.000	46.7	97.4	177.	76.3	4.45	.809	1
2	.005	.000	.000	.385	.000	.000	15.8	135.	168.	59.8	4.16	.603	2
3	.004	.000	.000	.086	.000	.000	67.2	149.	290.	50.9	3.75	.632	3
4	.001	.000	.000	.031	.000	.000	53.5	152.	359.	70.4	3.74	.842	4
5	.000	.000	.000	2.30	.000	.000	24.1	155.	298.	91.2	3.91	.770	5
6	.000	.000	.000	21.3	.000	.000	34.3	201.	189.	69.8	3.27	.671	6
7	.000	.000	.000	2.48	.000	.000	87.4	212.	179.	50.5	2.96	.568	7
8	.000	.000	.000	.619	.000	.000	94.8	143.	189.	42.4	2.58	.522	8
9	.000	.000	.000	.306	.000	.000	47.5	96.5	149.	36.7	2.18	.471	9
10	.000	.000	.000	.166	.000	.000	63.5	70.2	226.	31.9	2.79	.418	10
11	.000	.000	.000	.103	.000	.000	94.0	100.	221.	28.8	4.17	.406	11
12	.000	.000	.000	.083	.000	.000	34.1	124.	160.	30.0	2.76	.359	12
13	.000	.000	.000	.044	.000	.000	30.4	141.	164.	31.4	1.85	.296	13
14	.000	.000	.000	.027	.000	.000	99.2	192.	330.	32.1	1.66	.258	14
15	.000	.000	.000	.022	.000	.000	86.0	208.	439.	28.1	1.54	.222	15
16	.000	.000	.000	.010	.000	.000	43.4	159.	295.	23.2	1.49	.190	16
17	.000	.000	.000	.004	.000	.000	33.0	141.	132.	20.4	1.49	.167	17
18	.000	.000	.000	.002	.000	.000	37.7	185.	110.	19.3	1.40	.157	18
19	.000	.000	.000	.001	.000	.000	49.2	289.	121.	17.8	1.32	.126	19
20	.000	.000	.000	.000	.000	.000	116.	291.	145.	15.9	1.19	.098	20
21	.000	.000	.000	.000	.000	.000	102.	269.	125.	13.6	1.09	.081	21
22	.000	.000	.000	.000	.000	.000	53.4	161.	102.	12.5	1.00	.064	22
23	.000	.000	.000	.000	.000	.000	45.0	92.3	78.1	11.2	1.94	.052	23
24	.000	.000	.000	.000	.000	.000	34.7	88.3	61.1	9.89	3.38	.047	24
25	.000	.000	.000	.000	.000	.000	31.8	200.	58.7	8.87	1.78	.033	25
26	.000	.000	.000	.000	.000	.037	31.2	252.	116.	8.03	1.08	.026	26
27	.000	.000	.000	.000	.000	.102	53.5	333.	147.	7.32	.824	.024	27
28	.000	.000	.000	.000	.000	.031	67.6	315.	95.2	6.68	.645	.018	28
29	.000	.000	.000	.000	.000	.009	103.	341.	75.7	5.98	.704	.018	29
30	.000	.000	.000	.000	.000	19.6	110.	235.	97.8	5.31	.966	.016	30
31	.000		.127		.000		125.	169.		4.87		.011	31
MO	.000	.000	.004	.955	.000	.660	61.8	184.	177.	29.7	2.20	.290	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 5 JANV A 06H00
 MAXIMUM INSTANTANE : 488. M3/S LE 15 SEPT A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 6 JANV
 MAXIMUM JOURNALIER : 439. M3/S LE 15 SEPT

DEBIT MOYEN ANNUEL : 36.1 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1474000111 DOTAIKOPE
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.49.00
 LONGIT. 1.16.00
 ALTIT. 153M
 AIRE 5590.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.011	.000	.000	.000	.113	.000	.000	18.8	53.4	70.8	22.3	1.27	1
2	.009	.000	.000	.000	.294	.000	.000	182.	66.4	77.6	19.2	1.16	2
3	.005	.000	.000	.000	.236	.000	.000	71.1	53.1	60.3	30.6	1.09	3
4	.004	.000	.000	.000	.124	.000	.000	33.0	53.6	44.8	29.6	1.00	4
5	.002	.000	.000	.000	.077	.000	.000	25.4	52.4	57.8	20.1	.911	5
6	.002	.000	.000	.000	.048	.000	.000	20.2	118.	130.	15.6	.854	6
7	.001	.000	.000	.000	.035	.000	.000	17.5	188.	240.	12.8	.770	7
8	.000	.000	.000	.000	.032	.000	.000	24.2	144.	181.	11.4	.696	8
9	.000	.000	.000	.000	.026	.000	.000	84.5	165.	99.4	10.3	.651	9
10	.000	.000	.000	.000	.056	.000	.000	86.8	276.	75.5	9.08	.608	10
11	.000	.000	.000	.000	.108	.000	.000	122.	230.	59.9	7.94	.565	11
12	.000	.000	.000	.000	.077	.000	.000	39.8	120.	50.8	7.08	.512	12
13	.000	.000	.000	.000	.131	.000	.000	23.0	124.	44.0	6.26	.435	13
14	.000	.000	.000	.000	.120	.000	.000	16.6	106.	38.9	5.78	.381	14
15	.000	.000	.000	.000	.077	.000	.000	18.2	77.1	34.2	4.97	.368	15
16	.000	.000	.000	.000	.048	.000	.000	20.1	60.0	30.9	4.44	.332	16
17	.000	.000	.000	.000	.033	.000	2.08	18.1	52.2	27.9	3.96	.295	17
18	.000	.000	.000	.000	.022	.000	14.8	51.5	46.0	25.3	3.48	.258	18
19	.000	.000	.000	.000	.012	.000	33.1	59.3	39.9	23.2	3.12	.222	19
20	.000	.000	.000	.000	.009	.000	21.7	43.6	35.2	22.6	2.79	.199	20
21	.000	.000	.000	.000	.004	.000	30.2	32.1	32.1	20.9	2.50	.189	21
22	.000	.000	.000	.037	.001	.000	44.6	26.1	34.7	19.3	2.28	.167	22
23	.000	.000	.000	.220	.000	.000	117.	23.8	45.1	17.8	2.12	.157	23
24	.000	.000	.000	.631	.000	.000	102.	27.4	35.1	16.4	2.05	.126	24
25	.000	.000	.000	.922	.000	.000	36.5	94.7	30.1	14.4	1.97	.103	25
26	.000	.000	.000	.468	.000	.000	23.2	112.	27.1	13.3	1.86	.097	26
27	.000	.000	.000	.305	.000	.000	17.2	97.4	30.0	12.0	1.74	.081	27
28	.000	.000	.000	.171	.000	.000	13.9	154.	31.8	10.5	1.53	.069	28
29	.000	.000	.000	.074	.000	.000	11.0	103.	29.2	18.1	1.39	.063	29
30	.000	.000	.000	.046	.000	.000	9.12	58.7	51.3	33.8	1.31	.052	30
31	.000	.000	.000	.000	.000	.000	7.86	46.2	.000	25.1	.000	.051	31
MO	.001	.000	.000	.095	.054	.000	15.6	56.5	80.2	51.5	8.33	.443	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 8 JANV A 06H00
 MAXIMUM INSTANTANE : 306. M3/S LE 10 SEPT A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 9 JANV
 MAXIMUM JOURNALIER : 276. M3/S LE 10 SEPT

DEBIT MOYEN ANNUEL : 17.7 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1474000111 DOTAIKOPE
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.49.00
 LONGIT. 1.16.00
 ALTIT. 153M
 AIRE 5590.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.035	.000	.000	.000	.000	.063	.271	15.0	+	38.1	5.14	.368	1
2	.032	.000	.000	.000	.000	.050	.143	8.31	408.	33.9	4.64	.332	2
3	.026	.000	.000	.000	.000	.079	.062	6.38	384.	33.0	4.09	.305	3
4	.026	.000	.000	.000	.000	.059	.101	8.13	414.	35.5	3.62	.294	4
5	.024	.000	.000	.000	.000	.029	.383	15.3	460.	38.4	3.29	.258	5
6	.016	.000	.000	.000	.000	.009	.780	19.6	-	34.1	3.00	.222	6
7	.011	.000	.000	.000	.000	.002	.922	15.4	-	37.0	2.71	.199	7
8	.009	.000	.000	.000	.000	.000	.739	11.4	459.	33.5	2.50	.189	8
9	.005	.000	.000	.000	.000	.000	.867	12.3	227.	31.1	2.30	.159	9
10	.004	.000	.000	.000	.000	.000	1.01	15.2	142.	36.0	2.11	.126	10
11	.002	.000	.000	.000	.000	.000	.798	24.8	100.	59.3	1.97	.103	11
12	.002	.000	.000	.000	.000	.000	1.09	35.3	125.	68.0	1.86	.097	12
13	.001	.000	.000	.000	.000	.000	4.05	87.2	202.	122.	1.74	.081	13
14	.000	.000	.000	.000	.000	.000	15.7	73.5	202.	62.2	1.53	.069	14
15	.000	.000	.000	.000	.000	.000	4.81	83.7	220.	39.8	1.39	.068	15
16	.000	.000	.000	.000	.000	.000	4.19	87.2	227.	32.9	1.30	.063	16
17	.000	.000	.000	.000	.000	.000	2.57	138.	262.	45.5	1.24	.047	17
18	.000	.000	.000	.000	.000	.000	1.94	127.	222.	42.1	1.14	.035	18
19	.000	.000	.000	.000	.000	.000	2.65	100.	183.	27.6	1.06	.032	19
20	.000	.000	.000	.000	.000	.000	2.42	155.	120.	28.5	.993	.026	20
21	.000	.000	.000	.000	.000	.000	2.16	117.	113.	23.2	.899	.024	21
22	.000	.000	.000	.000	.000	.000	2.24	103.	167.	18.9	.813	.018	22
23	.000	.000	.000	.000	.000	.000	1.91	152.	148.	16.3	.739	.016	23
24	.000	.000	.000	.000	.000	.000	1.80	222.	92.4	14.4	.694	.011	24
25	.000	.000	.000	.000	.000	.000	2.08	356.	82.4	12.9	.651	.009	25
26	.000	.000	.000	.000	.000	.009	1.72	479.	62.6	11.4	.608	.005	26
27	.000	.000	.000	.000	.000	3.72	1.44	+	55.6	10.2	.553	.005	27
28	.000	.000	.000	.000	.458	2.12	1.91	+	92.8	8.79	.482	.004	28
29	.000		.000	.000	1.42	.790	7.55	315.	67.7	7.89	.433	.002	29
30	.003		.000	.000	.842	.450	14.5	440.	44.9	6.70	.381	.001	30
31	.007		.000		.189		16.3	+		5.82		.000	31
MO	.006	.000	.000	.000	.093	.246	3.20	+	+	32.7	1.80	.102	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 14 JANV A 06H00
 MAXIMUM INSTANTANE : 542. M3/S LE 27 AOUT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 15 JANV
 MAXIMUM JOURNALIER : 479. M3/S LE 26 AOUT

GENERALITES

- superficie du bassin versant.....: 9.952 Km²
- coordonnées de la station: 07.48°N - 01.18°E
- cote du zero de l'échelle: 148 m. (IGN) environ
- amplitude de l'échelle: 0 à 10.00 m.
- accès: Route ANIE-IRCT
- date de création: 02.07.1954
- cadence des relevés: 2 relevés par jour
Limnigrammes depuis 30.06.64

TARAGE

- nombre de jaugeages au 31.12.87: 213
- maximum jaugeé: H = 866 CM
Q = 686 M³/S
date : 06.09.1987
- nombre de tarages entre 1983 et 1987: 2
- dernier étalonnage utilisé :
valide du 05.09.1984 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-001	00000	140	16.60
029	00000	165	24.60
035	0.043	220	46.00
042	0.162	300	86.50
048	0.328	340	111.0
055	0.620	400	155.0
063	1.140	500	244.0
070	1.850	600	340.0
080	3.100	700	440.0
095	5.650	800	569.0
115	9.900	900	760.0
		950	884.0

REMARQUE

- debits relatifs aux limnigrammes, complétés par des lectures d'échelle.

STATION : 1474000109 CORREKOPE
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M³/S

LATIT. 7.48.00
 LONGIT. 1.18.00
 ALTIT. 148M
 AIRE 9950.00 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1954	-	-	-	-	-	-	-	26.9	46.4	77.7	20.9	2.60	-
1955	.264	.160	.029	.257	.481	12.3	141.	317.	393.	221.	21.3	3.84	91.7
1956	.876	.561	1.26	.731	.081	2.13	4.68	20.5	-	55.5	4.57	1.63	-
1957	.104	.000	.000	.349	5.49	77.0	189.	350.	472.	266.	63.4	17.2	120.
1958	2.95	.666	.198	.794	1.47	11.8	3.62	3.16	15.5	11.7	1.27	1.03	4.51
1959	.208	.008	1.00	1.28	1.22	.387	49.6	39.1	208.	102.	10.7	2.04	34.6
1960	.639	.118	1.89	1.50	1.95	16.1	112.	193.	374.	167.	24.3	2.73	74.6
1961	.438	.145	.009	.000	.073	.121	32.3	39.9	56.3	33.3	1.46	-	-
1962	.000	.000	.000	.000	-	44.3	90.3	256.	308.	215.	38.8	8.38	-
1963	.776	.097	1.98	.834	1.08	5.69	208.	401.	429.	331.	70.2	8.25	121.
1964	2.38	.611	.060	.627	1.29	2.43	46.9	142.	359.	58.7	10.5	1.70	52.2
1965	.591	.389	.149	.079	1.24	31.5	222.	277.	237.	-	3.83	.137	-
1966	.001	.000	.000	.000	.000	9.36	56.9	314.	315.	90.0	16.7	1.57	67.0
1967	.125	.007	.000	1.73	.829	3.76	78.0	290.	391.	153.	20.2	5.73	78.7
1968	1.44	.215	.025	.081	2.76	14.5	200.	361.	399.	154.	21.9	3.59	96.5
1969	.870	.158	.075	1.22	1.19	1.29	55.6	182.	375.	152.	46.1	5.00	68.4
1970	1.35	.401	1.68	-	-	.994	5.04	153.	538.	106.	8.10	-	-
1971	.164	.003	.545	1.47	1.33	2.69	29.0	-	-	38.2	2.76	.304	-
1972	.015	.004	.199	.616	5.53	20.2	71.3	58.9	138.	44.1	6.24	.429	28.8
1973	.012	.000	.000	.000	.000	.400	17.2	101.	177.	100.	7.11	.408	33.6
1974	.019	.000	.000	.000	.000	.058	65.7	157.	278.	101.	10.0	.816	51.1
1975	.073	.000	.079	.176	.510	2.95	69.8	168.	177.	111.	6.98	1.06	44.8
1976	.104	.001	.000	.203	3.06	12.4	25.8	78.3	33.3	128.	58.2	5.01	28.7
1977	-	.203	.000	.000	.000	.079	-	51.3	196.	91.3	4.78	.367	-
1978	.018	.000	.000	.636	1.55	5.26	121.	80.4	165.	123.	31.7	2.21	44.2
1979	.770	.031	.029	.081	.009	8.76	160.	289.	329.	112.	21.9	-	-
1980	.027	.002	.000	.000	.399	4.62	34.3	237.	291.	141.	32.2	1.77	61.9
1981	.216	.041	.000	.000	.010	.113	7.70	115.	124.	-	1.43	.096	-
1982	.001	.000	.000	.199	1.48	.161	4.86	17.1	89.3	12.0	2.62	.145	10.7
1983	.000	.000	.000	.000	.000	20.1	20.0	17.8	13.4	3.86	.105	-	-
1984	.000	.000	.221	.011	1.43	2.22	16.8	19.6	79.6	38.6	.874	.000	13.3
1985	.000	.000	.000	1.42	.000	2.69	91.4	251.	245.	47.6	3.83	.852	53.7
1986	.146	.002	.000	.116	.216	.000	18.1	55.0	97.7	62.7	9.49	.352	20.3
1987	.010	.000	.000	.000	.290	.322	3.08	176.	346.	52.7	3.30	.325	48.5
MOY.	.456	.116	.283	.425	1.13	9.60	70.3	159.	240.	106.	17.3	2.65	54.3

DEBITS MOYENS JOURNALIERS ANNEE 1983

STATION : 1474000109 CORREKOPE LATIT. 7.48.00
 RIVIERE : MONO LONGIT. 1.18.00
 PAYS : TOGO ALTIT. 148 M
 BASSIN : MONO AIRE 9950 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	7.67	25.0	22.8	9.83	.562	.020	1
2	.000	.000	.000	.000	.000	2.36	6.27	51.8	18.2	8.83	.491	.020	2
3	.000	.000	.000	.000	.000	9.74	5.93	35.9	13.3	9.17	.389	.014	3
4	.000	.000	.000	.000	.000	11.4	5.23	23.9	11.0	10.6	.309	.007	4
5	.000	.000	.000	.000	.000	5.40	5.00	18.6	9.77	9.94	.267	.007	5
6	.000	.000	.000	.000	.000	2.94	37.1	19.1	9.74	7.97	.230	.007	6
7	.000	.000	.000	.000	.000	1.87	53.9	18.1	9.44	6.33	.192	.003	7
8	.000	.000	.000	.000	.000	1.07	37.9	15.4	8.70	5.21	.168	.000	8
9	.000	.000	.000	.000	.000	.539	28.8	13.3	8.65	4.42	.130	.000	9
10	.000	.000	.000	.000	.000	.419	28.3	16.1	8.90	5.77	.110	.000	10
11	.000	.000	.000	.000	.000	.673	25.9	12.6	18.4	4.93	.089	.000	11
12	.000	.000	.000	.000	.000	6.14	16.3	44.5	17.8	3.94	.060	.000	12
13	.000	.000	.000	.000	.000	65.1	12.7	27.4	11.9	3.45	.039	.000	13
14	.000	.000	.000	.000	.000	60.4	10.7	25.5	10.2	3.26	.035	.000	14
15	.000	.000	.000	.000	.000	34.0	10.8	21.4	9.62	2.94	.028	.000	15
16	.000	.000	.000	.000	.000	17.2	13.7	15.1	22.3	2.58	.021	.000	16
17	.000	.000	.000	.000	.000	40.3	15.6	11.7	20.4	2.29	.014	.000	17
18	.000	.000	.000	.000	.000	56.8	20.2	10.0	15.7	2.14	.007	.000	18
19	.000	.000	.000	.000	.000	27.9	25.0	9.72	12.1	2.09	.006	.000	19
20	.000	.000	.000	.000	.000	24.2	33.4	8.44	10.7	1.95	.000	.000	20
21	.000	.000	.000	.000	.000	32.4	24.5	7.41	8.84	1.81	.000	-	21
22	.000	.000	.000	.000	.000	33.6	16.7	6.70	8.29	1.68	.000	-	22
23	.000	.000	.000	.000	.000	21.6	12.2	6.33	7.48	1.52	.000	-	23
24	.000	.000	.000	.000	.000	14.5	10.4	7.67	7.78	1.35	.000	-	24
25	.000	.000	.000	.000	.000	13.0	9.91	8.42	22.8	1.18	.000	-	25
26	.000	.000	.000	.000	.000	46.2	13.4	6.91	23.7	.987	.000	-	26
27	.000	.000	.000	.000	.000	32.8	15.5	6.01	16.2	.846	.000	-	27
28	.000	.000	.000	.000	.000	19.8	13.9	6.45	14.4	.775	.000	-	28
29	.000	.000	.000	.000	.000	12.0	27.6	23.2	13.0	.704	.000	-	29
30	.000	.000	.000	.000	.000	9.42	45.9	21.1	10.6	.638	.001	-	30
31	.000	.000	.000	.000	.000	30.9	26.5	.629				-	31
MO	.000	.000	.000	.000	.000	20.1	20.0	17.8	13.4	3.86	.105	-	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/01 A 00H00
 MAXIMUM INSTANTANE : 81.1 M3/S LE 13/06 A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 01/01
 MAXIMUM JOURNALIER : 65.1 M3/S LE 13/06

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1474000109 CORREKOPE LATIT. 7.48.00
 RIVIERE : MONO LONGIT. 1.18.00
 PAYS : TOGO ALTIT. 148 M
 BASSIN : MONO AIRE 9950 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.021	.125	.565	7.60	8.50	39.1	157.	3.35	.000	1
2	.000	.000	.000	.006	.181	.386	4.62	8.66	119.	134.	3.03	.000	2
3	.000	.000	.000	.043	.122	.289	5.61	10.3	105.	100.	2.60	.000	3
4	.000	.000	.000	.091	.079	.208	21.5	8.93	129.	94.9	2.17	.000	4
5	.000	.000	.000	.030	.052	.110	33.8	9.28	113.	75.4	1.91	.000	5
6	.000	.000	.000	.011	.300	.040	21.0	20.0	77.3	65.1	1.63	.000	6
7	.000	.000	.000	.003	3.83	.004	12.0	33.9	90.7	73.7	1.21	.000	7
8	.000	.000	.000	.000	4.33	.000	9.14	65.6	76.8	55.2	1.11	.000	8
9	.000	.000	.000	.000	3.34	.134	6.54	43.3	47.1	45.2	1.04	.000	9
10	.000	.000	.000	.000	2.83	2.27	5.94	25.6	34.6	40.8	.878	.000	10
11	.000	.000	.000	.000	2.33	2.51	14.9	19.1	28.1	35.0	.688	.000	11
12	.000	.000	.000	.000	1.85	1.83	12.2	23.5	24.1	33.7	.620	.000	12
13	.000	.000	.000	.000	1.35	1.28	9.76	23.0	21.5	32.8	.599	.000	13
14	.000	.000	.000	.000	1.05	1.02	7.69	15.8	18.5	28.8	.578	.000	14
15	.000	.000	.000	.000	2.73	.840	8.30	15.4	29.4	25.7	.557	.000	15
16	.000	.000	.000	.000	2.27	.601	7.79	28.8	57.9	25.6	.537	.000	16
17	.000	.000	.000	.000	1.77	.418	8.58	19.1	40.3	24.6	.516	.000	17
18	.000	.000	.000	.000	1.23	.423	21.4	14.5	88.3	22.6	.495	.000	18
19	.000	.000	.000	.000	1.02	3.24	35.2	23.5	69.8	18.9	.492	.000	19
20	.000	.000	.000	.000	1.33	3.21	28.2	13.8	55.9	15.4	.453	.000	20
21	.000	.000	.000	.000	1.18	2.45	36.7	14.3	46.9	12.3	.408	.000	21
22	.000	.000	.196	.000	.900	2.09	37.5	19.4	52.6	10.6	.331	.000	22
23	.000	.000	2.45	.000	1.05	1.75	29.2	32.7	49.3	9.93	.286	.000	23
24	.000	.000	2.07	.000	1.45	1.60	17.3	21.4	87.2	12.0	.230	.000	24
25	.000	.000	1.21	.000	1.27	1.44	14.5	14.3	99.4	10.4	.176	.000	25
26	.000	.000	.522	.000	1.10	1.26	12.9	12.7	90.0	9.31	.136	.000	26
27	.000	.000	.137	.000	1.02	1.02	18.7	12.5	182.	8.29	.101	.000	27
28	.000	.000	.100	.000	.905	3.36	33.9	9.63	212.	7.21	.048	.000	28
29	.000	.000	.078	.010	1.41	21.5	17.7	9.37	155.	5.75	.018	.000	29
30	.000		.050	.131	1.00	10.8	10.7	10.4	148.	4.25	.007	.000	30
31	.000		.039		.775		9.54	21.6		3.68		.000	31
MO	.000	.000	.221	.011	1.43	2.22	16.8	19.6	79.6	38.6	.874	.000	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/01 A 00H00
 MAXIMUM INSTANTANE : 286. M3/S LE 27/09 A 23H00

MINIMUM JOURNALIER : .000 M3/S LE 01/01
 MAXIMUM JOURNALIER : 212. M3/S LE 28/05

DEBIT MOYEN ANNUEL : 13.2 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1474000109 CORREKOPE LATIT. 7.48.00
 RIVIERE : MONO LONGIT. 1.18.00
 PAYS : TOGO ALTIT. 148 M
 BASSIN : MONO AIRE 9950 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.193	.000	.000	71.6	180.	265.	122.	8.08	1.75	1
2	.000	.000	.000	.394	.000	.000	57.1	146.	267.	106.	7.76	1.65	2
3	.000	.000	.000	.110	.000	.000	109.	167.	364.	93.5	7.27	1.50	3
4	.000	.000	.000	.105	.000	.000	98.0	187.	419.	105.	7.08	1.38	4
5	.000	.000	.000	4.11	.000	.000	67.4	223.	398.	108.	6.65	1.19	5
6	.000	.000	.000	29.9	.000	.000	93.2	273.	292.	92.4	6.07	1.14	6
7	.000	.000	.000	5.61	.000	.000	99.4	282.	262.	79.8	5.52	1.14	7
8	.000	.000	.000	1.41	.000	.000	140.	209.	265.	73.6	4.25	1.08	8
9	.000	.000	.000	.398	.000	.000	79.9	142.	223.	64.8	3.77	1.08	9
10	.000	.000	.000	.177	.000	.000	63.7	113.	276.	53.1	3.61	1.08	10
11	.000	.000	.000	.083	.000	.000	120.	123.	303.	47.1	3.45	1.01	11
12	.000	.000	.000	.002	.000	.000	57.8	182.	225.	53.3	3.43	1.01	12
13	.000	.000	.000	.000	.000	.000	37.5	215.	215.	62.9	3.28	1.01	13
14	.000	.000	.000	.000	.000	.000	111.	247.	360.	53.2	3.27	.949	14
15	.000	.000	.000	.000	.000	.000	145.	281.	547.	44.3	3.26	.945	15
16	.000	.000	.000	.000	.000	.000	77.9	236.	511.	37.9	3.11	.940	16
17	.000	.000	.000	.000	.000	.000	51.2	215.	215.	34.9	3.10	.879	17
18	.000	.000	.000	.000	.000	.000	41.6	223.	171.	30.5	3.09	.819	18
19	.000	.000	.000	.000	.000	.000	64.4	337.	168.	28.9	2.99	.810	19
20	.000	.000	.000	.000	.000	.000	113.	398.	194.	25.5	2.91	.754	20
21	.000	.000	.000	.000	.000	.000	148.	405.	188.	23.3	2.78	.712	21
22	.000	.000	.000	.000	.000	.000	90.2	331.	157.	20.9	2.55	.621	22
23	.000	.000	.000	.000	.000	.000	68.7	192.	128.	18.7	2.48	.532	23
24	.000	.000	.000	.000	.000	.000	54.3	139.	108.	16.8	2.41	.374	24
25	.000	.000	.000	.000	.000	.000	44.2	224.	99.4	15.0	2.35	.314	25
26	.000	.000	.000	.000	.000	.000	41.5	299.	138.	13.4	2.29	.300	26
27	.000	.000	.000	.000	.000	.029	61.7	373.	174.	12.5	2.16	.300	27
28	.000	.000	.000	.000	.000	.003	91.3	393.	145.	10.9	2.04	.300	28
29	.000	.000	.000	.000	.000	5.38	134.	433.	134.	9.72	1.91	.286	29
30	.000	.000	.000	.000	.000	75.3	192.	343.	145.	8.94	1.84	.273	30
31	.000	.000	.000	.000	.000		208.	278.		8.32		.273	31
MO	.000	.000	.000	1.42	.000	2.69	91.4	251.	245.	47.6	3.83	.852	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/01 A 00H00

MAXIMUM INSTANTANE : 611. M3/S LE 16/09 A 02H38

MINIMUM JOURNALIER : .000 M3/S LE 01/01

MAXIMUM JOURNALIER : 547. M3/S LE 15/09

DEBIT MOYEN ANNUEL : 53.9 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1474000109 CORREKOPE LATIT. 7.48.00
 RIVIERE : MONO LONGIT. 1.18.00
 PAYS : TOGO ALTIT. 148 M
 BASSIN : MONO AIRE 9950 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.245	.028	.000	.000	1.03	.000	.000	10.3	75.7	60.1	24.9	1.11	1
2	.245	.021	.000	.000	.972	.000	.000	144.	81.6	94.0	21.6	.972	2
3	.245	.017	.000	.000	.814	.000	.000	104.	80.5	85.5	19.3	.790	3
4	.237	.013	.000	.000	.657	.000	.000	37.5	79.2	77.5	35.3	.745	4
5	.218	.000	.000	.000	.557	.000	.000	31.0	80.9	59.2	31.5	.689	5
6	.217	.000	.000	.000	.449	.000	.000	24.9	107.	134.	19.8	.652	6
7	.217	.000	.000	.000	.303	.000	.000	17.5	183.	244.	17.1	.596	7
8	.209	.000	.000	.000	.214	.000	.000	15.2	176.	194.	14.9	.518	8
9	.191	.000	.000	.000	.122	.000	.000	22.4	176.	150.	13.5	.471	9
10	.190	.000	.000	.000	.081	.000	.000	27.1	270.	121.	11.8	.414	10
11	.190	.000	.000	.000	.115	.000	.000	109.	290.	94.4	8.88	.408	11
12	.182	.000	.000	.000	.121	.000	.520	50.6	146.	79.4	7.15	.370	12
13	.163	.000	.000	.000	.233	.000	2.03	25.8	155.	63.5	6.48	.329	13
14	.162	.000	.000	.000	.178	.000	1.39	19.7	129.	54.1	5.98	.300	14
15	.157	.000	.000	.000	.136	.000	1.12	17.2	105.	45.9	5.56	.273	15
16	.146	.000	.000	.000	.111	.000	1.50	19.1	100.	40.8	5.02	.245	16
17	.140	.000	.000	.000	.085	.000	3.66	18.1	96.4	37.3	4.11	.217	17
18	.129	.000	.000	.000	.059	.000	6.74	34.8	89.7	32.5	4.40	.192	18
19	.123	.000	.000	.000	.046	.000	38.2	69.8	70.4	30.5	3.95	.188	19
20	.112	.000	.000	.000	.073	.000	33.3	58.8	53.8	30.6	3.61	.164	20
21	.111	.000	.000	.000	.052	.000	36.3	34.6	40.8	26.9	3.26	.162	21
22	.111	.000	.000	.000	.042	.000	33.9	24.1	42.5	23.6	2.79	.153	22
23	.106	.000	.000	.163	.037	.000	121.	21.4	45.9	21.8	2.54	.145	23
24	.094	.000	.000	.615	.049	.000	129.	24.0	39.3	19.2	2.22	.136	24
25	.089	.000	.000	.630	.036	.000	68.8	63.5	39.7	17.0	1.91	.128	25
26	.077	.000	.000	.533	.035	.000	26.0	148.	39.9	13.7	1.70	.119	26
27	.072	.000	.000	.434	.028	.000	18.3	120.	37.9	13.0	1.50	.110	27
28	.055	.000	.000	.408	.021	.000	14.5	144.	36.9	11.7	1.43	.095	28
29	.041	.000	.000	.349	.017	.000	11.6	116.	33.3	11.4	1.34	.085	29
30	.034	.000	.000	.345	.010	.000	7.77	80.8	30.4	30.4	1.24	.077	30
31	.028	.000	.000	.000			5.22	79.0		27.1		.077	31
MO	.146	.002	.000	.116	.216	.000	18.1	55.0	97.7	62.7	9.49	.352	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : données relatives au limnigraphe

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 05/02 A 05H00

MAXIMUM INSTANTANE : 313. M3/S LE 11/09 A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 06/02

MAXIMUM JOURNALIER : 290. M3/S LE 11/09

DEBIT MOYEN ANNUEL : 20.4 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1967

STATION : 1474000109 CORREKOPE

RIVIERE : MONO

PAYS : TOGO

BASSIN : MONO

DEBITS EN M3/S

LATIT. 7.48.00

LONGIT. 1.18.00

ALTIT. 148 M

AIRE 9950 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.050	.000	.000	.000	.000	.303	.530	17.5	671.	69.6	10.5	.566	1
2	.051	.000	.000	.000	.000	.245	.308	11.9	607.	62.5	9.46	.526	2
3	.039	.000	.000	.000	.000	.217	.217	11.2	545.	67.2	8.45	.485	3
4	.035	.000	.000	.000	.000	.176	.161	13.8	547.	65.4	7.84	.431	4
5	.029	.000	.000	.000	.000	.135	.120	12.7	644.	68.4	7.12	.373	5
6	.025	.000	.000	.000	.000	.077	.085	31.9	732.	54.8	6.18	.358	6
7	.021	.000	.000	.000	.000	.043	.052	25.5	844.	62.8	5.33	.329	7
8	.017	.000	.000	.000	.000	.035	.158	16.2	842.	61.2	4.94	.328	8
9	.014	.000	.000	.000	.000	.025	.450	12.6	534.	53.1	4.37	.328	9
10	.013	.000	.000	.000	.000	.021	.637	16.8	300.	46.9	3.80	.328	10
11	.007	.000	.000	.000	.000	.017	.880	29.3	184.	84.2	3.50	.328	11
12	.007	.000	.000	.000	.000	.014	2.25	29.1	189.	115.	3.05	.328	12
13	.006	.000	.000	.000	.000	.010	5.16	92.0	308.	123.	2.78	.328	13
14	.000	.000	.000	.000	.000	.007	10.6	90.1	302.	105.	2.42	.328	14
15	.000	.000	.000	.000	.000	.006	9.25	100.	267.	77.2	2.23	.320	15
16	.000	.000	.000	.000	.000	.000	2.79	95.9	316.	58.9	2.04	.301	16
17	.000	.000	.000	.000	.000	.000	1.90	141.	302.	75.7	1.80	.300	17
18	.000	.000	.000	.000	.000	.000	2.94	162.	334.	52.7	1.65	.300	18
19	.000	.000	.000	.000	.000	.000	3.47	126.	259.	46.3	1.49	.300	19
20	.000	.000	.000	.000	.000	.000	3.43	183.	187.	47.2	1.29	.292	20
21	.000	.000	.000	.000	.000	.000	2.32	153.	180.	38.4	1.19	.274	21
22	.000	.000	.000	.000	.000	.043	2.29	131.	213.	30.8	1.11	.273	22
23	.000	.000	.000	.000	.000	.556	2.21	211.	236.	26.9	1.04	.273	23
24	.000	.000	.000	.000	.000	.451	1.63	216.	165.	23.8	1.01	.273	24
25	.000	.000	.000	.000	.000	.272	1.89	363.	133.	21.8	.944	.273	25
26	.000	.000	.000	.000	.000	.155	1.85	463.	110.	20.1	.846	.273	26
27	.000	.000	.000	.000	.000	.221	1.50	565.	98.5	18.2	.749	.265	27
28	.000	.000	.000	.000	.000	.872	1.90	601.	134.	16.4	.684	.246	28
29	.000	.000	.000	.000	3.37	3.66	9.90	437.	123.	14.8	.624	.245	29
30	.000	.000	.000	.000	4.00	1.07	12.2	459.	86.8	13.3	.599	.245	30
31	.000	.000	.000	.000	.738	.000	12.9	627.	.000	11.7	.000	.245	31
MO	.010	.000	.000	.000	.290	.322	3.08	176.	346.	52.7	3.30	.325	MO

- : lacune + : lacune due à une cote hors barème

en caracteres gras : donnees relatives au limnigraphe

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 14/01 A 06H00

MAXIMUM INSTANTANE : 874. M3/S LE 08/09 A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 15/01

MAXIMUM JOURNALIER : 844. M3/S LE 07/09

DEBIT MOYEN ANNUEL : 48.4 M3/S

MONO A NGAMBOTO

N° 1474000115

GENERALITES

- superficie du bassin versant.....: 15.680 Km²
- coordonnées de la station: 07.26'N - 01°26'E
- cote du zero de l'échelle: 110.16 m. (IGN)
- amplitude de l'échelle: 0 à 10.00 m.
- accès: Piste ATAKPAME-RPB
- date de création: 28.07.1964
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 72
- maximum jaugeé: H = 634 CM
Q = 740 M³/S
date : 13.09.1964
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 27.01.1982 au 21.05.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
040	00000	220	57.70
080	00000	260	92.50
090	0.130	300	140.0
100	0.530	380	257.0
110	1.350	500	461.0
125	3.700	599	656.0
140	6.950	715	938.0
160	13.50	839	1300.
180	25.20	900	1500.

REMARQUE

- Station abandonnée le 31.12.1985

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1474000115 NGAMBOTO 1

RIVIERE : MONO

PRYS : TOGO

BASSIN : MONO

DEBITS EN M3/S

LATIT. 7.26.00

LONGIT. 1.26.00

ALTIT. 110M

AIRE 15700.0 KM2

ANNEE	JANV	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1964	-	-	-	-	-	-	-	-	-	-	11.8	2.18	-
1965	.419	.184	.039	.714	.527	58.5	326.	398.	372.	91.3	7.03	.836	105.
1966	.090	.015	.000	1.06	.248	13.0	95.1	454.	485.	142.	29.0	3.00	102.
1967	.574	.125	.555	16.4	-	-	-	-	564.	-	-	-	-
1968	3.43	.924	.312	-	6.60	-	-	672.	636.	-	-	-	-
1969	1.46	-	.061	-	-	6.19	96.3	-	532.	-	-	-	-
1970	2.24	.555	-	-	-	-	12.3	-	-	-	15.3	-	-
1971	-	-	-	-	3.20	-	-	255.	-	-	4.99	-	-
1972	-	-	-	-	13.1	-	-	-	-	-	-	-	-
1973	-	.004	-	-	.351	.742	-	178.	-	-	-	-	-
1974	.064	.000	-	-	.440	.400	82.3	199.	390.	-	17.6	1.33	-
1975	.085	.002	-	-	-	8.82	-	263.	-	-	13.2	2.14	-
1976	.274	.013	.025	-	-	32.8	-	130.	-	-	96.0	-	-
1977	1.60	.401	-	-	.064	1.75	-	62.0	-	-	7.87	.763	-
1978	-	.000	-	-	3.75	-	-	110.	-	-	-	4.27	-
1979	-	.150	.135	1.97	-	26.2	-	454.	486.	-	-	-	-
1980	-	.041	.002	.000	.382	25.0	-	422.	489.	-	59.3	-	-
1981	-	.189	-	-	1.13	9.73	-	-	246.	44.9	3.50	.352	-
1982	-	.000	.010	-	3.46	1.06	-	24.3	132.	-	4.16	.479	-
1983	.007	.000	.000	.113	.137	50.1	-	24.6	25.6	-	.496	.025	-
1984	.000	-	-	.517	4.06	10.6	55.1	68.7	168.	80.4	3.77	.839	-
1985	.018	.000	.000	5.29	.052	3.09	237.	551.	565.	-	11.9	3.44	-
MOY.	.789	.153	.104	3.26	2.50	16.5	129.	267.	392.	89.7	19.1	1.64	103.

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1474000115 NGAMBOTO 1 LATIT. 7.26.00
 RIVIERE : MONO LONGIT. 1.26.00
 PAYS : TOGO ALTIT. 110M
 BASSIN : MONO AIRE 15700.0 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.078	.000	.000	.000	.071	.370	20.2	37.1	39.4	19.6	1.23	.091	1
2	.070	.000	.000	.000	.051	.313	16.2	31.2	33.4	17.2	1.15	.085	2
3	.045	.000	.000	.000	.020	4.89	13.3	44.0	28.0	17.0	1.10	.115	3
4	.020	.000	.000	.000	.000	55.0	11.7	35.5	23.0	-	1.10	.110	4
5	.006	.000	.000	.000	.000	24.5	15.1	27.8	20.5	-	1.02	.091	5
6	.000	.000	.000	.000	.000	18.3	18.1	24.4	18.8	-	.904	.083	6
7	.000	.000	.000	.000	.000	9.41	-	23.2	18.0	11.7	.817	.065	7
8	.000	.000	.000	.000	.000	6.27	-	27.2	20.5	10.8	.735	.052	8
9	.000	.000	.000	.000	.000	5.24	56.5	24.4	18.6	7.57	.694	.039	9
10	.000	.000	.000	.000	.000	4.55	46.8	21.2	16.7	6.34	.653	.032	10
11	.000	.000	.000	.000	.000	3.75	42.3	20.7	15.8	6.30	.571	.019	11
12	.000	.000	.000	.000	.000	3.23	39.4	20.7	17.2	6.18	.510	.012	12
13	.000	.000	.000	.000	.000	117.	35.4	38.7	23.6	5.64	.470	.000	13
14	.000	.000	.000	.000	.000	188.	27.7	40.1	21.1	4.90	.450	.000	14
15	.000	.000	.000	.000	.000	81.9	23.0	32.7	21.7	4.35	.430	.000	15
16	.000	.000	.000	.000	.000	49.2	32.6	28.1	26.1	3.82	.410	.000	16
17	.000	.000	.000	.000	.000	167.	36.1	23.5	27.9	3.69	.390	.000	17
18	.000	.000	.000	.000	.000	95.0	53.6	20.2	36.5	3.47	.348	.000	18
19	.000	.000	.000	.000	.000	75.8	56.5	16.5	33.9	3.24	.290	.000	19
20	.000	.000	.000	.213	.000	104.	43.7	14.0	28.8	3.15	.253	.000	20
21	.000	.000	.000	.523	.000	119.	41.5	12.1	22.5	3.06	.230	.000	21
22	.000	.000	.000	.530	.000	55.7	35.2	9.56	20.4	2.92	.208	.000	22
23	.000	.000	.000	.528	.000	45.2	32.9	7.02	18.9	2.76	.170	.000	23
24	.000	.000	.000	.468	.000	37.2	31.3	6.73	21.1	2.53	.133	.000	24
25	.000	.000	.000	.353	.216	30.4	30.1	6.53	27.1	2.29	.124	.000	25
26	.000	.000	.000	.270	.822	48.5	28.9	6.94	34.9	2.13	.116	.000	26
27	.000	.000	.000	.190	.781	53.4	26.9	10.2	52.6	1.98	.105	.000	27
28	.000	.000	.000	.125	.730	41.8	26.7	21.4	33.6	1.74	.104	.000	28
29	.000	.000	.000	.104	.612	32.1	34.1	39.7	25.6	1.52	.097	.000	29
30	.000	.000	.000	.091	.513	24.6	39.1	46.8	21.5	1.43	.091	.000	30
31	.000	.000	.000	.430	.445	44.0			1.31			.000	31
MO	.007	.000	.000	.113	.137	50.1	-	24.6	25.6	-	.496	.025	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 5 JANV A 18H00
 MAXIMUM INSTANTANE : 284. M3/S LE 17 JUIN A 16H00

MINIMUM JOURNALIER : .000 M3/S LE 6 JANV
 MAXIMUM JOURNALIER : 188. M3/S LE 14 JUIN

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1474000115 NGAMBOTO 1 LATIT. 7.26.00
 RIVIERE : MONO LONGIT. 1.26.00
 PAYS : TOGO ALTIT. 110M
 BASSIN : MONO AIRE 15700.0 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	-	-	.689	1.75	2.27	31.9	102.	235.	315.	11.4	1.25	1
2	.000	-	-	.586	1.52	1.84	64.4	118.	228.	304.	9.40	2.42	2
3	.000	-	-	.730	1.15	3.10	42.9	193.	248.	230.	7.45	2.99	3
4	.000	-	-	.848	.844	4.30	91.0	168.	204.	187.	6.31	2.00	4
5	.000	-	-	.909	1.36	5.42	61.2	112.	212.	154.	5.75	1.59	5
6	.000	-	-	.929	3.19	4.05	41.4	82.9	158.	123.	5.22	1.43	6
7	.000	-	-	.656	3.19	3.28	36.6	134.	115.	111.	4.79	1.27	7
8	.000	-	-	.453	3.61	2.76	28.6	111.	119.	105.	4.49	1.07	8
9	.000	-	-	.373	3.79	2.45	57.1	88.5	91.5	86.8	4.34	1.02	9
10	.000	-	-	.373	4.09	2.28	63.6	65.5	90.3	74.8	4.03	.945	10
11	.000	-	-	.445	12.0	2.06	47.5	54.1	82.7	70.6	3.80	.945	11
12	.000	-	-	.410	5.38	1.89	42.6	47.4	65.5	73.2	3.61	.934	12
13	.000	-	-	.385	4.74	2.03	32.9	42.7	55.7	60.4	3.42	.889	13
14	.000	-	-	.350	4.91	3.10	25.3	59.6	49.9	55.6	3.37	.781	14
15	.000	-	-	.276	5.12	3.79	30.4	57.2	51.9	50.1	3.01	.658	15
16	.000	-	.000	.261	5.76	8.78	36.9	50.0	94.8	45.8	2.92	.607	16
17	.000	-	.000	.208	4.50	8.14	36.7	46.8	116.	50.9	2.76	.569	17
18	.000	-	.000	.153	3.72	7.61	53.2	43.7	202.	55.4	2.60	.498	18
19	.000	-	.000	.148	3.53	42.0	64.7	36.8	202.	60.7	2.36	.450	19
20	.000	-	.000	.124	6.88	31.4	71.5	39.0	131.	41.6	2.20	.425	20
21	.000	-	.000	.136	5.49	16.3	73.0	55.2	127.	33.8	2.08	.375	21
22	.000	-	.326	.340	4.96	10.1	66.7	45.4	121.	28.5	2.13	.385	22
23	.000	-	4.31	.368	4.18	8.91	65.4	41.8	104.	25.0	1.99	.335	23
24	.000	-	10.5	.308	3.90	18.3	47.6	43.1	153.	23.3	2.12	.345	24
25	.000	-	6.74	.261	4.76	10.7	34.4	35.7	166.	23.2	2.13	.293	25
26	.000	-	3.55	.892	5.09	6.53	29.4	26.7	147.	22.8	2.21	.253	26
27	.000	-	2.37	.985	4.05	6.05	116.	23.2	235.	20.0	2.14	.253	27
28	.000	-	1.53	1.07	3.46	19.8	136.	21.7	503.	18.5	1.98	.288	28
29	.000	-	1.19	.936	3.15	43.2	78.0	25.6	393.	17.0	1.74	.290	29
30	.000	-	1.04	.908	2.94	36.3	52.6	43.1	339.	14.8	1.43	.250	30
31	.000	-	.791		2.69		49.7	117.		13.4		.230	31
MO	.000	-	-	.517	4.06	10.6	55.1	68.7	168.	80.4	3.77	.839	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 540. M3/S LE 28 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 503. M3/S LE 28 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1474000115 NGAMSO 1 LATIT. 7.26.00
 RIVIERE : MONO LONGIT. 1.26.00
 PAYS : TOGO ALTIT. 110M
 BASSIN : MONO AIRE 15700.0 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.173	.000	.000	.337	.124	.000	130.	382.	668.	234.	21.7	5.98	1
2	.168	.000	.000	4.45	.129	.000	135.	350.	678.	187.	20.2	5.37	2
3	.121	.000	.000	6.74	.121	.000	162.	387.	718.	158.	19.4	5.28	3
4	.072	.000	.000	10.4	.169	.000	245.	443.	937.	155.	18.0	4.81	4
5	.032	.000	.000	4.95	.230	.000	165.	416.	789.	162.	17.0	4.89	5
6	.002	.000	.000	37.7	.320	.000	111.	395.	767.	166.	16.6	4.80	6
7	.005	.000	.000	29.0	.215	.000	314.	701.	754.	126.	15.0	4.54	7
8	.000	.000	.000	22.4	.106	.000	732.	781.	606.	103.	13.6	4.13	8
9	.000	.000	.000	13.2	.059	.000	348.	446.	532.	86.1	12.9	3.73	9
10	.005	.000	.000	6.68	.039	.000	235.	428.	538.	-	12.2	3.24	10
11	.000	.000	.000	4.48	.025	2.49	328.	314.	574.	72.7	11.5	3.13	11
12	.000	.000	.000	2.97	.006	23.8	246.	401.	523.	84.0	11.3	2.94	12
13	.000	.000	.000	2.37	.000	6.99	116.	488.	489.	87.5	12.2	2.98	13
14	.000	.000	.000	1.74	.000	4.33	249.	565.	688.	82.9	11.9	2.79	14
15	.000	.000	.000	1.43	.000	2.06	355.	575.	1000.	76.5	10.8	2.75	15
16	.000	.000	.000	1.27	.000	1.35	224.	531.	1300.	65.6	9.12	2.53	16
17	.000	.000	.000	1.19	.000	1.03	127.	471.	1210.	56.3	8.41	2.44	17
18	.000	.000	.000	1.27	.000	.771	194.	449.	592.	51.9	7.49	2.27	18
19	.000	.000	.000	1.16	.000	.880	219.	621.	428.	46.9	6.89	2.00	19
20	.000	.000	.000	1.09	.000	5.79	380.	699.	385.	43.0	5.96	1.89	20
21	.000	.000	.000	.858	.000	6.65	272.	717.	435.	39.5	1.85	1.63	21
22	.000	.000	.000	.622	.000	9.44	216.	666.	354.	36.5	10.9	1.47	22
23	.000	.000	.000	.546	.000	4.71	121.	481.	279.	32.9	6.61	1.35	23
24	.000	.000	.000	.448	.006	3.16	142.	312.	221.	30.0	5.11	1.39	24
25	.000	.000	.000	.355	.013	2.84	104.	574.	185.	26.1	5.87	1.52	25
26	.000	.000	.000	.325	.012	2.53	77.9	614.	214.	23.0	21.3	3.44	26
27	.000	.000	.000	.268	.002	2.17	83.8	594.	285.	21.4	17.7	5.33	27
28	.000	.000	.000	.230	.025	2.51	129.	796.	302.	19.7	11.1	5.22	28
29	.000	.000	.000	.158	.025	2.91	331.	929.	255.	18.4	8.30	4.96	29
30	.000	.000	.000	.141	.006	6.33	392.	833.	247.	20.8	6.77	4.34	30
31	.000	.000	.003	.000	.000	.000	469.	711.	.000	23.3	.000	3.68	31
MO	.018	.000	.000	5.29	.052	3.09	237.	551.	565.	-	11.9	3.44	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 6 JANV A 06H00

MAXIMUM INSTANTANE : 1410. M3/S LE 16 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 8 JANV

MAXIMUM JOURNALIER : 1300. M3/S LE 16 SEPT

GENERALITES

- superficie du bassin versant.....: 20.500 Km²
- coordonnées de la station: 07°01'N - 01°33'E
- cote du zero de l'échelle: 59 m. (IGN) environ
- amplitude de l'échelle: 0 à 9.00 m.
- accès: Radier de la route NOTSE-TOHOUN
- date de création: 11.03.1951
- cadence des relevés: 2 relevés par jour
limnigrammes de 1964 à 1980

TARAGE

- nombre de jaugeages au 31.12.87: 75
- maximum jaugé: H = 562-574 CM
Q = 768 M³/S
date : 16.10.1957
- nombre de tarages entre 1983 et 1987: 2
- dernier étalonnage utilisé :
valide du 07.03.1983 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-001	00000	125	15.30
040	00000	180	50.80
060	0.250	240	109.0
080	1.000	360	275.0
090	2.30	520	593.0
		710	1050.

REMARQUES

- limnigrammes non dépouillés.

STATION : 1474000117 TETETOU
RIVIERE : MONO
PAYS : TOGO
BASSIN : MONO
DEBITS EN M³/S

LATIT. 7.01.00
LONGIT. 1.32.00
ALTIT. 59M
AIRE 20500.0 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1951	-	-	-	2.19	-	10.9	56.3	90.9	246.	-	-	-	-
1952	3.23	1.81	2.46	.969	3.57	7.29	104.	158.	276.	351.	63.1	10.8	81.9
1953	4.02	2.24	7.22	2.15	8.88	105.	299.	327.	283.	191.	37.7	5.33	106.
1954	2.69	1.28	1.65	2.36	3.32	34.5	77.9	53.9	114.	293.	68.1	9.03	55.1
1955	1.92	.863	3.87	17.5	18.5	69.8	319.	533.	661.	326.	73.9	12.3	170.
1956	3.04	1.45	5.78	4.89	1.71	18.7	18.6	24.4	112.	90.7	7.18	3.58	24.3
1957	.679	.120	.766	2.11	25.4	172.	387.	503.	719.	484.	129.	31.6	205.
1958	8.38	2.87	2.00	2.71	15.7	46.8	12.0	4.39	21.8	31.7	4.94	4.07	13.1
1959	1.10	.340	.717	4.28	10.1	4.96	122.	65.9	361.	255.	33.4	8.53	72.3
1960	2.16	.971	1.00	12.6	8.85	55.5	275.	429.	692.	391.	79.8	16.6	164.
1961	5.06	1.88	.643	1.59	2.91	15.3	80.9	56.0	-	69.6	5.42	-	-
1962	.172	.011	.000	.703	17.9	214.	282.	355.	423.	317.	66.7	17.6	141.
1963	2.69	1.83	4.75	4.43	6.98	44.4	-	687.	862.	704.	-	-	-
1964	4.55	1.82	1.29	4.11	5.09	19.2	62.2	166.	470.	91.5	15.6	3.58	70.4
1965	1.68	1.19	1.10	4.10	2.75	84.6	491.	457.	409.	101.	11.7	2.21	131.
1966	1.16	.724	.375	1.45	1.48	23.3	109.	459.	520.	180.	37.5	5.45	112.
1967	1.73	.957	1.16	5.68	-	38.5	130.	408.	568.	253.	36.7	11.1	-
1968	3.72	1.91	1.19	3.46	17.1	130.	530.	743.	768.	412.	88.4	12.0	226.
1969	3.11	1.65	1.41	5.63	4.26	11.6	116.	303.	475.	242.	101.	11.0	106.
1970	2.97	1.48	4.48	1.58	9.53	9.49	14.9	233.	761.	235.	21.0	3.13	108.
1971	1.04	.312	1.72	3.68	2.91	4.75	51.8	291.	-	76.1	7.14	3.03	-
1972	1.06	-	.876	8.26	14.9	78.5	159.	140.	233.	66.6	16.3	2.18	-
1973	1.69	.939	.439	2.35	2.42	6.56	32.4	228.	320.	197.	23.7	4.07	68.3
1974	1.29	.490	2.39	2.76	3.54	4.19	84.8	216.	425.	-	25.0	4.15	-
1975	1.25	.745	.389	5.68	3.79	11.3	103.	312.	353.	266.	22.7	7.52	90.6
1976	2.67	1.94	1.78	1.36	5.24	26.6	42.8	140.	66.0	249.	116.	10.9	55.4
1977	4.09	1.44	.233	.322	1.52	3.52	9.73	49.6	280.	-	11.0	2.28	-
1978	.686	.777	6.03	14.3	13.3	81.3	172.	110.	260.	193.	42.3	13.2	75.6
1979	6.39	2.57	-	7.90	24.4	56.4	-	-	491.	-	34.0	8.61	-
1980	5.21	2.98	1.27	1.54	4.24	41.2	61.0	546.	694.	389.	137.	8.28	158.
1981	2.79	.981	.906	.823	3.21	10.7	75.3	219.	267.	56.6	4.03	-	-
1982	.595	.313	.727	1.63	4.99	-	11.2	31.4	160.	-	7.70	-	-
1983	.482	.245	.088	5.88	.521	42.4	-	31.8	42.0	19.1	-	1.48	-
1984	.448	.108	.449	-	15.0	-	-	153.	183.	144.	11.0	4.25	-
1985	1.55	.513	.263	7.92	1.05	6.21	526.	-	662.	-	18.0	14.7	-
1986	-	1.74	3.04	1.02	-	4.54	-	-	-	-	-	3.37	-
1987	.694	.779	-	-	-	-	-	-	-	-	62.7	54.8	-
MOY.	2.46	1.21	1.84	4.28	8.03	43.9	155.	258.	399.	230.	43.0	9.71	106.

DEBITS MOYENS JOURNALIERS-ANNEE 1993

STATION : 1474000117 TETETOU
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.01.00
 LONGIT. 1.32.00
 ALTIT. 59M
 AIRE 20500.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.406	.301	.193	2.44	.678	.241	46.9	58.0	58.4	42.3	5.24	1.37	1
2	.437	.290	.193	10.2	.557	.191	37.5	51.8	50.8	39.3	4.89	3.80	2
3	.625	.289	.193	4.97	.489	.105	28.4	49.3	46.5	37.0	4.49	3.05	3
4	.712	.288	.186	10.0	.385	.078	20.1	44.3	44.0	31.8	3.38	1.93	4
5	.712	.276	.178	6.36	.363	4.65	15.7	40.4	38.0	27.9	2.27	1.58	5
6	.570	.275	.176	4.87	.360	38.3	13.9	35.7	28.0	38.5	2.17	1.21	6
7	.629	.275	.141	3.00	.324	30.2	15.3	29.2	25.4	45.4	2.16	3.55	7
8	.626	.270	.132	5.28	.287	21.7	26.6	25.3	24.3	42.6	2.05	3.93	8
9	.626	.265	.125	12.0	.250	14.7	51.4	25.2	22.7	37.9	2.04	2.36	9
10	.603	.265	.124	8.58	.313	11.9	74.3	30.8	20.8	28.8	2.03	1.64	10
11	.582	.260	.114	4.99	.475	15.0	60.5	35.4	19.8	21.5	1.91	1.14	11
12	.559	.255	.107	14.9	.308	12.2	56.3	44.2	18.8	18.1	1.79	.959	12
13	.537	.255	.099	36.4	.229	11.4	51.4	49.2	19.2	16.6	1.70	.873	13
14	.537	.249	.088	20.6	.315	10.3	47.6	52.7	23.6	15.2	1.52	.808	14
15	.519	.243	.087	8.76	.623	9.92	44.8	54.1	28.2	13.6	1.33	.758	15
16	.500	.243	.087	3.65	.296	9.68	40.4	42.5	39.8	12.5	1.18	1.97	16
17	.452	.236	.086	2.11	.214	9.62	36.1	33.3	48.3	12.1	1.00	2.18	17
18	.434	.224	.075	1.71	.205	15.3	35.5	27.8	62.4	11.6	.965	1.52	18
19	.434	.218	.068	1.39	.189	27.8	52.7	22.3	70.7	10.8	.943	1.13	19
20	.420	.218	.056	2.76	.477	89.6	-	17.8	62.0	10.6	.906	.918	20
21	.408	.218	.049	2.38	2.52	147.	66.0	15.6	55.9	9.75	1.51	.888	21
22	.408	.218	.038	1.46	1.35	148.	57.0	14.4	55.0	9.13	3.58	.885	22
23	.394	.217	.036	1.02	.773	126.	48.2	13.2	63.8	8.09	4.01	.852	23
24	.379	.206	.025	.846	.600	109.	39.2	12.1	58.9	7.68	3.21	.850	24
25	.357	.205	.024	.734	.585	93.5	32.3	9.87	52.7	7.11	-	.850	25
26	.346	.204	.012	.928	.828	78.7	26.3	8.34	48.4	6.73	-	.831	26
27	.337	.194	.000	1.34	.634	61.4	31.2	10.6	44.7	6.41	1.29	.813	27
28	.336	.193	.000	1.02	.470	65.2	56.8	18.6	45.1	6.36	.993	.793	28
29	.321	.000	.000	.894	.367	57.1	90.1	17.2	43.3	6.03	.924	.775	29
30	.320	.000	.000	.776	.360	52.7	83.1	37.8	40.4	5.79	.896	.775	30
31	.311	.034	.321	.69.0	58.0	5.29	.775	31					
MO	.482	.245	.088	5.88	.521	42.4	-	31.8	42.0	19.1	-	1.48	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 27 MARS A 06H00
 MAXIMUM INSTANTANE : 157. M3/S LE 21 JUIN A 19H00

MINIMUM JOURNALIER : .000 M3/S LE 28 MARS
 MAXIMUM JOURNALIER : 148. M3/S LE 22 JUIN

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1994

STATION : 1474000117 TETETOU
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO

LATIT. 7.01.00
 LONGIT. 1.32.00
 ALTIT. 59M
 AIRE 20500.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.775	.213	.025	.625	3.79	12.5	60.7	301.	73.3	265.	25.6	6.01	1
2	.775	.201	.024	-	5.12	11.4	74.8	285.	124.	413.	25.0	6.01	2
3	.756	.194	.013	.505	1.81	11.9	87.6	267.	202.	428.	23.6	6.01	3
4	.738	.180	.011	1.68	4.41	12.6	105.	253.	247.	389.	20.0	6.01	4
5	.738	.162	.000	4.66	9.21	9.10	108.	297.	223.	346.	15.4	6.16	5
6	.735	.138	.000	2.49	13.4	8.61	97.7	275.	212.	316.	14.2	8.52	6
7	.699	.126	.000	4.36	20.1	8.42	96.5	219.	207.	274.	13.6	10.1	7
8	.662	.124	.000	3.24	17.5	8.05	111.	204.	192.	243.	12.7	8.05	8
9	.621	.114	.000	1.65	13.0	7.68	126.	197.	166.	216.	12.1	7.15	9
10	.532	.113	.001	1.02	14.0	7.28	109.	192.	125.	184.	11.6	7.10	10
11	.458	.113	.083	.731	25.9	6.78	92.3	188.	99.4	141.	11.0	6.75	11
12	.435	.112	.336	.512	24.6	6.49	75.7	182.	96.6	108.	10.5	6.21	12
13	.402	.101	.530	.685	19.8	8.14	66.8	171.	105.	97.7	9.93	5.73	13
14	.400	.100	.285	1.12	16.2	12.7	62.3	166.	101.	92.5	9.54	4.18	14
15	.400	.100	.137	1.78	19.1	15.8	57.3	150.	93.1	90.6	9.33	3.40	15
16	.400	.100	.274	1.91	24.7	12.8	51.0	136.	111.	87.8	8.81	3.06	16
17	.397	.100	.412	-	22.9	9.05	61.7	121.	192.	81.8	8.61	3.01	17
18	.365	.099	.605	1.21	18.2	6.35	71.9	107.	213.	77.5	8.42	2.69	18
19	.360	.088	.766	.970	14.9	9.88	81.2	98.6	202.	74.5	8.05	2.48	19
20	.327	.087	.906	.902	13.1	14.1	92.4	91.8	191.	71.5	7.65	2.30	20
21	.322	.087	.753	.798	11.6	-	113.	102.	189.	66.8	6.96	2.23	21
22	.290	.086	.508	.750	10.4	25.0	139.	125.	247.	62.2	6.76	2.17	22
23	.288	.075	.338	.577	9.60	21.2	120.	118.	274.	55.0	6.57	2.10	23
24	.288	.074	.521	.352	7.55	29.4	114.	104.	247.	48.6	6.39	2.03	24
25	.285	.063	.771	.286	10.9	34.0	-	83.2	233.	45.5	7.01	1.92	25
26	.252	.056	.967	.247	20.1	38.5	153.	64.6	225.	41.3	6.12	1.90	26
27	.250	.049	1.84	.218	25.9	42.6	192.	56.7	220.	37.2	6.01	1.79	27
28	.250	.037	1.40	.467	21.7	48.3	221.	46.6	214.	34.2	6.01	1.78	28
29	.244	.025	.936	.833	17.0	57.0	250.	40.9	226.	30.9	6.01	1.74	29
30	.231	.000	.794	1.62	14.9	55.8	272.	50.5	243.	29.1	6.01	1.65	30
31	.224	.000	.665	13.8	292.	56.8	26.6	1.65	31				
MO	.448	.108	.449	-	15.0	-	-	153.	183.	144.	11.0	4.25	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 5 MARS A 06H00
 MAXIMUM INSTANTANE : 448. M3/S LE 2 OCTO A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 6 MARS
 MAXIMUM JOURNALIER : 429. M3/S LE 3 OCTO

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1985

STATION : 1474000117 TETETOU
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO

LATIT. 7.01.00
 LONGIT. 1.32.00
 ALTIT. 59M
 AIRE 20500.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	1.64	.813	.288	.211	1.00	.849	126.	734.	612.	252.	24.9	24.6	1
2	1.53	.793	.288	.391	1.70	.815	181.	674.	676.	241.	23.8	20.4	2
3	1.51	.772	.268	.768	1.22	.771	153.	627.	710.	233.	23.3	15.8	3
4	1.40	.740	.250	2.62	.906	.702	125.	596.	727.	224.	22.1	14.0	4
5	1.32	.718	.249	7.87	.688	.678	175.	564.	748.	210.	20.7	12.7	5
6	1.25	.681	.239	10.3	.588	.624	358.	545.	726.	195.	19.2	12.0	6
7	1.07	.643	.231	18.0	.386	.551	554.	524.	689.	170.	18.5	10.6	7
8	1.00	.625	.224	35.4	.835	.671	765.	498.	658.	162.	18.4	9.21	8
9	1.07	.622	.215	37.3	.927	1.45	893.	483.	683.	155.	17.3	8.79	9
10	2.98	.590	.225	29.9	.674	.904	916.	-	705.	149.	16.9	15.0	10
11	4.87	.568	.314	23.0	.442	.618	827.	-	692.	140.	16.3	20.2	11
12	3.20	.550	.616	11.3	.628	.797	795.	462.	672.	129.	15.6	13.3	12
13	1.95	.547	.577	9.41	2.26	1.16	846.	470.	649.	122.	15.1	10.2	13
14	1.44	.495	.328	7.04	1.47	1.01	901.	506.	682.	112.	14.7	8.99	14
15	1.13	.465	.216	6.21	1.08	.721	868.	538.	775.	108.	14.2	8.61	15
16	1.03	.439	.198	5.79	.842	1.01	820.	527.	981.	105.	13.6	8.45	16
17	1.78	.438	.176	5.29	.678	7.27	805.	499.	1030.	99.5	13.0	14.7	17
18	4.00	.418	.164	4.86	.602	13.4	852.	531.	1010.	92.5	12.8	28.4	18
19	2.81	.397	.156	3.76	1.37	9.24	844.	581.	947.	86.5	20.1	34.4	19
20	1.23	.365	.143	2.84	1.03	4.90	770.	721.	884.	73.7	21.6	30.5	20
21	.981	.363	.124	2.32	.943	3.29	700.	752.	780.	65.4	15.8	25.2	21
22	.953	.363	.085	2.30	.904	7.59	561.	728.	679.	59.3	13.6	20.9	22
23	.943	.360	.038	2.22	.845	14.0	336.	684.	627.	53.3	12.9	19.4	23
24	.925	.327	.063	2.04	1.20	20.1	241.	637.	579.	50.6	12.3	17.7	24
25	.925	.325	.202	1.63	.924	22.4	208.	618.	476.	46.3	12.0	14.0	25
26	.922	.325	.398	1.08	.691	15.2	160.	605.	382.	39.3	11.3	11.0	26
27	.867	.322	.543	1.00	1.48	11.4	137.	621.	299.	-	16.4	8.92	27
28	.952	.290	.534	.981	2.70	12.8	126.	663.	265.	-	25.0	6.90	28
29	.850	.324	.960	1.54	11.7	142.	656.	261.	28.2	30.3	4.70	29	29
30	.847	.266	.927	1.08	19.9	449.	644.	258.	25.9	29.5	3.23	30	30
31	.815	.211	.887	.680.	625.	25.0	2.69	31					
MO	1.55	.513	.263	7.92	1.05	6.21	526.	-	662.	-	18.0	14.7	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .025 M3/S LE 24 MARS A 06H00
 MAXIMUM INSTANTANE : 1050. M3/S LE 17 SEPT A 17H00

MINIMUM JOURNALIER : .038 M3/S LE 23 MARS
 MAXIMUM JOURNALIER : 1030. M3/S LE 17 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1474000117 TETETOU
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.01.00
 LONGIT. 1.32.00
 ALTIT. 59M
 AIRE 20500.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	2.16	.627	.643	1.18	2.60	1.01	8.55	11.3	-	-	-	6.19	1
2	2.03	.625	1.16	1.00	3.97	.814	5.63	9.22	-	-	-	6.01	2
3	1.91	.603	2.67	.809	2.09	.682	3.38	15.8	-	-	-	5.98	3
4	1.77	.546	2.01	.634	1.37	.621	3.07	29.0	-	-	-	5.66	4
5	1.94	.437	1.32	.419	1.02	.487	6.94	58.2	-	-	-	5.45	5
6	4.21	.392	1.00	.300	.806	.350	12.2	91.6	-	-	-	5.27	6
7	4.69	1.01	.778	1.24	.664	1.52	14.9	124.	-	-	-	5.27	7
8	2.56	5.28	.645	2.55	.553	9.52	20.1	166.	-	-	-	5.08	8
9	2.14	6.07	.564	1.98	.495	5.76	30.6	208.	-	-	-	4.90	9
10	1.78	5.25	.479	1.62	1.29	2.02	26.4	253.	-	-	-	4.71	10
11	1.66	4.17	2.40	1.14	1.67	7.21	19.8	267.	-	-	-	4.53	11
12	1.58	3.73	7.05	1.00	-	14.9	15.6	253.	-	-	-	4.53	12
13	1.52	2.86	4.53	.945	-	9.88	11.7	231.	-	-	-	4.34	13
14	1.45	2.17	2.69	.922	.673	5.02	8.11	218.	-	-	-	4.16	14
15	1.38	1.63	2.17	.887	.618	1.46	12.1	202.	-	-	-	3.97	15
16	1.26	1.08	1.88	.849	.535	.916	11.3	192.	-	-	-	3.76	16
17	1.14	.869	1.27	.770	1.19	1.89	8.49	-	-	-	-	3.40	17
18	-	.757	.976	.685	2.45	5.05	-	-	-	-	-	3.03	18
19	1.00	.660	.849	1.19	6.55	13.5	-	-	-	-	-	2.50	19
20	.981	.563	.742	1.91	13.5	13.1	20.9	-	-	-	-	2.22	20
21	.943	.768	1.70	1.38	13.1	9.34	33.8	-	-	-	-	1.96	21
22	.925	2.43	8.82	.943	9.44	6.94	44.4	-	-	-	-	1.59	22
23	.925	2.04	15.1	.756	6.86	5.64	59.6	-	-	-	9.73	1.39	23
24	.886	1.26	9.38	.659	12.9	3.54	59.6	-	-	-	9.31	1.27	24
25	.847	.895	6.38	.592	16.1	1.62	48.9	-	-	-	8.60	1.25	25
26	.815	.792	4.87	.522	12.9	1.24	41.7	-	-	-	8.04	1.14	26
27	.793	.714	3.61	.960	8.66	.819	33.5	-	-	-	7.49	1.06	27
28	.756	.629	3.00	1.22	5.36	1.36	29.2	-	-	-	6.96	1.00	28
29	.718	2.25	.705	2.90	2.95	25.0	-	-	-	-	6.73	.981	29
30	.700	1.83	.697	2.03	6.78	20.2	-	-	-	-	6.41	.943	30
31	.678	1.34	1.44	16.0	-	-	-	-	-	-	.906	31	
MO	-	1.74	3.04	1.02	-	4.54	-	-	-	-	-	3.37	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .225 M3/S LE 6 AVRI A 17H00
 MAXIMUM INSTANTANE : 271. M3/S LE 11 AOUT A 17H00

MINIMUM JOURNALIER : .300 M3/S LE 6 AVRI
 MAXIMUM JOURNALIER : 267. M3/S LE 11 AOUT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1967

STATION : 1474000117 TETETOU
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO

LATIT. 7.01.00
 LONGIT. 1.32.00
 ALTIT. 59M
 AIRE 20500.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.868	.327	-	-	-	.393	-	17.5	146.	-	41.3	80.3	1
2	.831	.322	-	-	-	.328	-	14.1	276.	198.	39.8	100.	2
3	.793	.290	-	-	-	.294	-	11.4	364.	-	45.7	81.7	3
4	.753	.306	-	-	-	.195	-	10.3	396.	167.	106.	69.2	4
5	.702	.675	-	-	-	.140	-	8.71	387.	145.	118.	58.6	5
6	.681	1.42	-	-	-	-	26.0	6.96	341.	135.	97.8	41.5	6
7	.643	1.46	-	-	-	-	30.5	9.41	244.	127.	84.7	23.0	7
8	.625	1.31	.220	-	-	-	34.4	11.3	226.	121.	81.5	15.5	8
9	.625	1.13	.206	-	-	-	38.1	13.4	217.	116.	94.9	15.0	9
10	.625	1.01	.182	-	-	-	41.1	17.2	210.	112.	97.4	25.6	10
11	.586	.961	.181	-	-	-	43.0	24.2	-	141.	81.9	38.5	11
12	.550	.922	.223	-	-	-	-	56.7	196.	262.	77.1	41.6	12
13	.531	.870	.229	-	-	1.88	-	134.	246.	548.	72.8	36.1	13
14	.510	.847	.234	-	-	1.51	-	206.	359.	513.	66.2	26.8	14
15	.477	.815	.254	-	-	1.15	-	320.	327.	490.	60.7	26.6	15
16	.481	.793	.354	-	-	-	-	355.	349.	479.	46.6	38.2	16
17	.577	.769	.477	-	-	-	-	363.	371.	470.	33.7	57.9	17
18	.853	.685	.636	-	-	-	-	325.	410.	455.	30.3	72.9	18
19	1.69	.660	.906	-	-	-	-	315.	466.	439.	24.6	89.0	19
20	1.64	.627	1.24	-	-	-	21.9	304.	507.	413.	24.1	94.6	20
21	1.13	.603	-	-	-	-	20.4	288.	542.	401.	34.9	77.4	21
22	.878	.548	-	-	-	.940	18.0	265.	521.	-	42.2	71.2	22
23	.703	.776	-	-	-	.812	16.1	242.	510.	372.	42.5	62.4	23
24	.626	.912	-	-	-	.705	14.3	219.	498.	359.	47.4	59.2	24
25	.564	.795	-	-	-	-	13.1	212.	499.	344.	67.4	64.9	25
26	.479	.717	.393	-	-	-	12.0	209.	527.	327.	79.3	66.1	26
27	.472	.645	.596	-	-	-	11.2	-	594.	302.	67.9	61.9	27
28	.440	.625	.732	-	-	6.01	-	-	706.	260.	50.6	57.7	28
29	.418	-	-	-	-	6.01	-	195.	703.	267.	53.3	52.0	29
30	.397	-	-	-	-	-	-	-	-	257.	70.5	48.1	30
31	.362	-	-	-	-	-	-	114.	-	151.	-	45.1	31
MO	.694	.779	-	-	-	-	-	-	-	-	62.7	54.8	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .132 M3/S LE 5 JUIN A 06H00
 MAXIMUM INSTANTANE : 713. M3/S LE 28 SEPT A 06H00

MINIMUM JOURNALIER : .140 M3/S LE 5 JUIN
 MAXIMUM JOURNALIER : 706. M3/S LE 28 SEPT

MOND A AGOME SEVA

N° 1474000107

GENERALITES

- superficie du bassin versant.....: 21.500 Km²
- coordonnées de la station: 06°34'N - 01°40'E
- cote du zero de l'échelle: 8.00 m. environ
- amplitude de l'échelle: 0 à 8.00 m.
- accès: Route ANEHO à AMEGNRAN-
AGOME SEVA
- date de création: 09.04.1963
- cadence des relevés: 2 relevés par jour

TARAGE

Aucun jaugeage n'a été effectué à cette station.

INVENTAIRE DES COTES INSTANTANÉES 23/02/1988 A DBH57

STATION : 1474000107-1 AGOME SEVA

RIVIERE : MONO

PAYS : TOGO

BASSIN : MONO

LATIT. 6.34.00

LONGIT. 1.40.00

ALTIT. 81

AIRE 21500.0 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE
1963	*	-	-	*	C	C	-	-	-	-	-	*
1964	*	-	C	C	C	C	C	C	C	-	-	*
1965												
1966	*	C	C	C	C	*	C	C	C	*	*	*
1967	*	C	C	C	C	C	C	C	C	*	C	*
1968	*	-	*	C	C	C	C	C	C	C	*	*
1969												
1970	*	*	C	C	C	C	C	C	C	*	*	C
1971	C	C	C	C	C	C	C	C	C	C	C	*
1972	C	C	C	C	C	C	*	C	C	C	C	C
1973	-	-	-	*	*	*	C	C	*	*	C	C
1974	-	*	*	*	C	C	C	C	C	C	C	C
1975	C	C	*	*	C	C	C	C	*	*	C	C
1976	C	C	C	*	*	C	C	C	C	C	-	C
1977	-	-	-	-	*	C	C	C	C	C	C	*
1978	*	-	*	*	C	*	C	C	C	C	C	C
1979	*	C	-	-	C	C	C	C	C	C	C	C
1980	*	C	C	C	C	C	C	C	C	C	C	*
1981	C	C	C	C	C	C	C	C	C	C	C	C
1982	C	C	C	C	C	C	C	C	C	C	C	C
1983	*	C	C	C	C	C	C	C	C	C	C	C
1984	C	C	C	C	C	C	C	C	*	*	C	*
1985	C	C	C	C	C	C	*	*	*	*	*	C
1986	C	C	C	C	C	C	C	C	*	C	C	*
1987	-	-	-	-	*	C	C	C	C	C	C	C

ANNEE JANV FEBR MARS AVRIL MAI JUIN JUIL AOUT SEPT OCTO NOVE DECE

- : MOIS MANQUANT C : MOIS COMPLET * : MOIS INCOMPLET

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1983

STATION : 1474000107 AGOME SEVA LATIT. 6.34.00
 RIVIERE : MONO LONGIT. 1.40.00
 PAYS : TOGO ALTIT. 8M
 BASSIN : MONO AIRE 21500.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	4	-5	-11	-14	1	-13	144	126	138	198	30	-7	1
2	4	-4	-12	-15	-1	-14	129	136	157	171	28	-17	2
3	4	-6	-13	-11	-3	-13	115	145	153	155	23	-11	3
4	5	-5	-12	41	-4	-13	104	135	148	148	20	-17	4
5	6	-6	-12	41	-5	-11	102	130	139	142	18	-17	5
6	3	-7	-13	44	-4	-11	94	140	132	160	17	-10	6
7	2	-6	-13	43	-6	-12	89	132	127	170	16	-15	7
8	1	-7	-13	37	-7	-12	88	121	122	140	14	4	8
9	1	-8	-13	26	-7	-5	94	119	119	116	12	2	9
10	1	-8	-14	16	-8	64	138	117	117	104	11	-17	10
11	1	-8	-14	15	-9	65	166	119	116	97	9	-18	11
12	-	-8	-14	21	-10	58	164	117	117	85	8	-9	12
13	-	-9	-14	114	-10	47	157	114	115	80	7	-8	13
14	-	-9	-14	117	-10	46	149	112	114	76	7	-8	14
15	-	-9	-14	93	-8	59	139	112	124	71	7	-12	15
16	-	-9	-14	61	-8	242	133	135	129	67	7	-8	16
17	-	-9	-14	43	-8	240	129	142	138	64	7	-7	17
18	-	-10	-14	34	-9	182	120	130	145	61	7	-8	18
19	-3	-9	-14	27	-8	280	120	128	152	57	6	-9	19
20	-3	-11	-15	21	-8	288	129	120	153	50	6	-15	20
21	-3	-11	-14	15	-9	297	157	115	162	49	5	-15	21
22	-4	-11	-14	13	-9	299	158	111	168	47	4	-15	22
23	-4	-11	-14	9	-11	292	148	108	166	47	3	-17	23
24	-6	-11	-15	7	-12	237	141	106	154	41	2	-17	24
25	-7	-11	-14	6	-13	236	133	105	149	39	2	-15	25
26	-8	-10	-15	5	-13	196	124	103	144	36	2	-15	26
27	-8	-11	-15	4	-13	180	118	102	145	32	-1	-15	27
28	-7	-11	-15	3	-11	167	116	101	157	30	-8	-15	28
29	-8	-11	-15	2	-11	167	125	101	188	29	1	-12	29
30	-7	-11	-14	1	-11	161	124	103	217	29	6	-4	30
31	-8	-15	-13	-13	120	105	30	-5	31				
MO	-	-9	-14	27	-8	123	128	119	144	84	9	-11	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE INCOMPLETE

MINIMUM INSTANTANE : -19 CM LE 28 NOVE A 06H00
 MAXIMUM INSTANTANE : 320 CM LE 19 JUIN A 18H00

MINIMUM JOURNALIER : -18 CM LE 11 DECE
 MAXIMUM JOURNALIER : 299 CM LE 22 JUIN

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1984

STATION : 1474000107 AGOME SEVA LATIT. 6.34.00
 RIVIERE : MONO LONGIT. 1.40.00
 PAYS : TOGO ALTIT. 8M
 BASSIN : MONO AIRE 21500.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-3	-14	-15	2	12	58	94	329	206	663	115	-	1
2	-5	-14	-17	1	5	54	140	390	324	644	108	-	2
3	-16	-14	-15	1	3	48	182	556	427	595	101	-	3
4	-14	-14	-13	5	12	45	203	609	433	540	95	-	4
5	-14	-17	-13	9	35	44	215	637	435	512	90	-	5
6	-13	-17	-13	25	64	45	203	647	420	-	85	-	6
7	-11	-16	-12	34	47	41	226	554	397	-	79	-	7
8	-11	-14	-12	27	53	36	192	447	363	-	76	-	8
9	-11	-14	-13	29	65	31	173	429	299	-	73	-	9
10	-15	-13	-14	31	71	32	167	408	288	-	73	-	10
11	-13	-11	-13	23	63	33	170	359	266	-	71	-	11
12	-16	-7	-11	24	53	28	210	344	233	273	66	-	12
13	-14	-1	-5	17	45	26	195	326	218	258	62	-	13
14	-17	-1	-4	14	41	24	173	282	221	256	60	-	14
15	-18	-3	-8	13	41	22	164	256	203	254	57	-	15
16	-15	-9	-8	7	50	20	149	273	189	227	55	-	16
17	-17	-9	-7	4	70	29	144	270	193	217	53	-	17
18	-18	-6	-7	2	79	35	145	255	301	224	51	-	18
19	-15	-7	-9	0	81	41	158	260	438	231	49	-	19
20	-18	-3	-10	0	71	62	266	241	-	238	48	-	20
21	-14	-4	-10	-1	62	79	297	230	-	236	48	-	21
22	-11	-5	-6	1	56	128	296	242	-	210	46	-	22
23	-13	-7	3	3	50	178	296	245	-	194	44	-	23
24	-14	-10	2	0	44	152	283	233	-	184	42	-	24
25	-17	-10	0	3	41	128	266	210	-	164	40	-	25
26	-17	-10	6	2	51	109	271	197	-	154	38	-	26
27	-18	-8	6	0	63	104	279	187	-	146	36	-	27
28	-17	-10	13	8	62	114	260	173	-	141	34	-	28
29	-14	-13	11	15	63	121	377	158	561	132	32	-	29
30	-15	-11	9	11	64	111	456	150	633	127	31	-	30
31	-14	-	6	-	63	-	425	185	-	121	-	-	31
MO	-14	-10	-6	10	51	66	228	325	-	-	62	-	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE INCOMPLETE

MINIMUM INSTANTANE : -19 CM LE 3 JANV A 05H00
 MAXIMUM INSTANTANE : 671 CM LE 1 OCTO A 18H00

MINIMUM JOURNALIER : -18 CM LE 15 JANV
 MAXIMUM JOURNALIER : 663 CM LE 1 OCTO

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1995

STATION : 1474000107 AGOME SEVA
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO

LATIT. 6.34.00
 LONGIT. 1.40.00
 ALTIT. 8M
 AIRE 21500.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	8	-5	-13	-10	13	19	72	-	730	-	-	94	1
2	6	-4	-13	-13	14	16	169	-	736	-	-	87	2
3	6	-5	-13	-13	14	2	262	-	737	-	-	81	3
4	6	-8	-12	-10	9	-2	319	-	736	-	-	76	4
5	6	-8	-15	-8	4	-2	-	-	735	-	-	74	5
6	3	-8	-16	-9	9	-3	-	-	737	-	-	71	6
7	2	-8	-14	-8	6	-4	-	-	743	-	-	68	7
8	2	-7	-11	87	4	-5	-	702	752	-	-	65	8
9	2	-6	-10	162	1	-7	-	709	759	-	-	63	9
10	2	-6	-7	147	1	-9	-	721	763	-	-	61	10
11	2	-5	-9	112	1	-11	-	723	762	-	-	59	11
12	3	-5	-10	98	1	-11	-	718	754	-	-	58	12
13	3	-5	-11	80	7	-9	-	707	743	257	-	56	13
14	1	-3	-13	60	9	-8	-	-	727	272	96	55	14
15	1	-5	-14	53	8	-7	-	-	715	297	94	53	15
16	3	-8	-15	43	5	13	-	-	713	287	92	53	16
17	3	-9	-14	37	4	60	-	707	721	269	91	53	17
18	1	-10	-17	32	6	53	-	711	734	257	90	53	18
19	-5	-11	-16	29	2	47	-	718	751	245	87	53	19
20	-5	-12	-15	27	1	45	-	715	768	229	83	51	20
21	-5	-12	-16	23	2	42	-	709	774	215	80	49	21
22	-6	-11	-16	25	-2	36	-	718	762	203	77	47	22
23	-6	-12	-16	24	-2	31	-	727	737	200	75	46	23
24	-6	-12	-17	20	5	52	-	731	705	-	73	44	24
25	-5	-11	-16	14	2	66	-	729	-	-	70	45	25
26	-5	-11	-15	11	-1	71	-	709	-	-	68	44	26
27	-5	-12	-15	9	2	72	-	-	-	-	65	43	27
28	-5	-12	-15	8	5	79	-	705	-	-	72	42	28
29	-4	-	-17	9	14	71	-	713	-	-	83	40	29
30	-5	-	-17	11	21	73	-	718	-	-	92	37	30
31	-5	-	-13	-	20	-	-	723	-	-	-	36	31
MO	0	-8	-14	35	6	26	-	-	-	-	-	57	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE INCOMPLETE

MINIMUM INSTANTANE : -18 CM LE 18 MARS A 06H00
 MAXIMUM INSTANTANE : 776 CM LE 21 SEPT A 06H00

MINIMUM JOURNALIER : -17 CM LE 18 MARS
 MAXIMUM JOURNALIER : 774 CM LE 21 SEPT

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1986

STATION : 1474000107 AGOME SEVA
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO

LATIT. 6.34.00
 LONGIT. 1.40.00
 ALTIT. 8M
 AIRE 21500.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	37	19	14	37	12	12	31	131	379	262	138	37	1
2	36	18	14	40	12	12	45	120	337	244	171	32	2
3	35	18	15	36	11	11	141	111	303	303	187	30	3
4	34	17	14	35	12	12	125	112	300	327	163	30	4
5	33	17	14	33	12	12	106	255	-	311	151	-	5
6	32	16	14	32	12	13	88	284	-	286	149	-	6
7	32	16	13	30	13	14	93	216	342	310	155	-	7
8	31	16	14	28	12	16	90	176	392	425	148	-	8
9	30	15	15	26	11	16	95	157	432	523	132	-	9
10	29	15	16	25	11	16	86	141	481	533	122	-	10
11	28	15	18	30	11	18	79	149	564	479	116	-	11
12	28	15	20	29	11	19	81	223	560	426	104	-	12
13	27	15	21	26	10	19	104	267	554	369	100	-	13
14	27	15	22	24	11	21	128	236	532	322	97	-	14
15	26	16	20	21	11	23	115	187	473	282	93	-	15
16	26	17	21	20	10	26	116	161	435	260	89	-	16
17	25	17	27	19	10	24	116	181	401	245	85	-	17
18	25	15	26	17	10	28	102	186	355	223	81	-	18
19	25	14	24	16	12	32	95	162	315	211	76	-	19
20	24	14	23	15	15	39	79	171	299	196	72	-	20
21	24	14	23	14	15	45	72	244	275	187	69	-	21
22	23	14	21	13	14	52	80	250	250	195	65	-	22
23	23	14	21	14	14	49	119	246	229	191	61	-	23
24	22	13	20	16	12	49	201	198	217	173	58	-	24
25	21	13	19	17	16	47	253	153	229	159	55	-	25
26	21	13	19	15	14	43	316	168	237	148	52	-	26
27	21	13	19	14	14	43	304	236	223	141	48	-	27
28	20	14	20	13	14	39	239	379	219	134	47	-	28
29	19	-	27	13	14	36	193	409	259	125	45	-	29
30	19	-	30	13	13	33	166	411	288	122	43	-	30
31	19	-	32	-	12	-	146	436	-	120	-	-	31
MO	26	15	20	23	12	27	129	218	-	265	99	-	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE INCOMPLETE

MINIMUM INSTANTANE : 9 CM LE 2 JUIN A 06H00
 MAXIMUM INSTANTANE : 580 CM LE 11 SEPT A 18H00

MINIMUM JOURNALIER : 10 CM LE 13 MAI
 MAXIMUM JOURNALIER : 564 CM LE 11 SEPT

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1967

STATION : 1474000107 AGOME SEVA
 RIVIERE : MONO
 PAYS : TOGO
 BASSIN : MONO

LATIT. 6.34.00
 LONGIT. 1.40.00
 ALTIT. 8M
 AIRE 21500.0 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	-13	19	48	297	695	197	152	1
2	-	-	-	-	-	-13	18	51	285	584	181	152	2
3	-	-	-	-	-	-14	29	45	317	514	163	188	3
4	-	-	-	-	-	-15	34	44	384	464	163	184	4
5	-	-	-	-	-	-15	31	45	513	432	206	160	5
6	-	-	-	-	-	-10	32	46	522	387	214	158	6
7	-	-	-	-	-	-9	30	53	493	372	210	153	7
8	-	-	-	-	-	-10	26	68	458	357	216	108	8
9	-	-	-	-	-	-11	22	71	420	353	234	96	9
10	-	-	-	-	-	-12	19	71	427	370	232	135	10
11	-	-	-	-	-	-11	15	74	470	360	236	140	11
12	-	-	-	-	-	-4	12	64	455	359	224	141	12
13	-	-	-	-	-	2	10	65	503	391	214	151	13
14	-	-	-	-	-3	3	11	102	534	564	210	147	14
15	-	-	-	-	-4	5	33	166	602	577	216	104	15
16	-	-	-	-	-5	5	33	254	628	428	200	96	16
17	-	-	-	-	-6	4	28	339	634	369	177	147	17
18	-	-	-	-	-6	3	24	420	649	413	180	159	18
19	-	-	-	-	-7	1	29	427	664	430	207	166	19
20	-	-	-	-	-8	1	41	340	670	378	219	175	20
21	-	-	-	-	-9	1	66	273	672	368	223	156	21
22	-	-	-	-	-9	-2	78	245	693	350	222	108	22
23	-	-	-	-	-9	-4	80	248	712	328	202	93	23
24	-	-	-	-	-8	-5	74	382	722	338	173	121	24
25	-	-	-	-	-10	-7	66	417	735	283	184	135	25
26	-	-	-	-	-12	-6	57	379	748	228	203	136	26
27	-	-	-	-	-13	-3	52	361	749	201	212	132	27
28	-	-	-	-	-15	-3	52	343	730	196	214	97	28
29	-	-	-	-	-15	7	52	342	717	201	210	108	29
30	-	-	-	-	-16	18	47	363	717	197	188	136	30
31	-	-	-	-	-15	44	344	202	145	31			
MO	-	-	-	-	-	-4	38	209	571	377	204	138	MO

- : lacune . : à sec ou arrêt de l'écoulement
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : -16 CM LE 30 MAI A 18H00
 MAXIMUM INSTANTANE : 752 CM LE 27 SEPT A 06H00

MINIMUM JOURNALIER : -16 CM LE 30 MAI
 MAXIMUM JOURNALIER : 749 CM LE 27 SEPT

MONO A KPONDAVE

N° 1474000113

INVENTAIRE DES COTES INSTANTANÉES 24/02/1988 A 13H56

GENERALITES

- superficie du bassin versant.....: Km²
- coordonnées de la station: 06°22'N - 01°47'E
- cote du zero de l'échelle:
- amplitude de l'échelle: 0 à 4.50 M
- accès: Piste ANEHO-AVEVE
- date de création: 12.04.1963
- cadence des relevés: 2 relevés par jour

REMARQUES

- Pas de tarage
- Pas de données pour 1983

STATION : 1474000113-1 KPONDAVE
RIVIERE : MONO
PAYS : TOGO
BASSIN : MONO

LATIT. 6.22.00
LONGIT. 1.47.00

ANNEE	JANV	FEV	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE
1963	*	-	-	*	C	C	C	C	*	*	C	C
1964	C	C	C	C	C	C	-	C	C	C	C	C
1965	C	-	*	C	C	C	C	C	*	*	C	*
1966	*	C	C	C	C	C	C	C	*	-	-	*
1967	C	C	C	C	C	C	C	C	C	C	C	C
1968	C	C	C	C	C	C	C	C	C	C	C	C
1969	C	C	C	C	C	C	C	C	*	C	C	C
1970	C	C	C	C	C	C	C	C	C	C	C	C
1971	C	C	C	C	C	C	C	C	C	C	C	C
1972	C	C	C	C	C	C	C	C	C	C	C	C
1973	C	C	C	*	C	C	C	C	C	C	C	C
1974	C	C	C	C	C	C	C	C	C	C	C	C
1975	C	C	C	C	C	C	C	C	*	*	*	*
1976	*	*	C	C	*	C	*	C	C	*	*	C
1977	C	*	C	*	*	*	*	C	C	*	C	-
1978	*	C	C	*	*	C	*	*	C	*	*	*
1979	*	C	*	C	*	-	-	-	*	*	*	-
1980	-	-	-	*	C	C	C	C	*	-	-	-
1981	-	*	C	C	C	*	*	C	C	*	-	-
1982	*	*	C	C	C	C	C	C	*	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	*	C	C	C	C	C	C	C
1985	C	C	C	C	C	C	C	C	C	C	C	C
1986	C	C	C	C	C	C	C	C	C	C	C	C
1987	-	-	-	-	*	C	C	C	C	C	C	C

ANNEE JANV FEV MARS AVRIL MAI JUIN JUIL AOUT SEPT OCTO NOV DECE

- : MOIS MANQUANT C : MOIS COMPLET * : MOIS INCOMPLET

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1984

STATION : 1474000113 KPONDAVE LATIT. 6.22.00
 RIVIERE : MONO LONGIT. 1.47.00
 PAYS : TOGO
 BASSIN : MONO

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	70	73	251	83	350	90	55	1
2	-	-	-	-	-	61	67	260	70	334	81	52	2
3	-	-	-	-	-	51	59	280	91	312	88	60	3
4	-	-	-	-	44	44	61	315	125	293	97	73	4
5	-	-	-	-	41	38	68	335	152	285	113	84	5
6	-	-	-	-	37	35	76	335	178	274	129	80	6
7	-	-	-	-	40	41	84	301	207	262	135	69	7
8	-	-	-	-	48	48	91	236	245	246	121	61	8
9	-	-	-	-	56	52	103	191	274	259	93	50	9
10	-	-	-	-	65	54	118	172	292	279	80	41	10
11	-	-	-	-	73	60	134	153	319	292	74	29	11
12	-	-	-	-	81	68	131	140	336	317	86	30	12
13	-	-	-	-	83	66	119	130	353	339	95	44	13
14	-	-	-	-	74	61	104	118	350	354	110	55	14
15	-	-	-	-	65	62	89	104	326	366	128	66	15
16	-	-	-	-	56	68	79	90	287	360	141	75	16
17	-	-	-	-	60	74	69	80	262	343	154	86	17
18	-	-	-	-	66	81	60	77	230	309	153	80	18
19	-	-	-	-	70	79	66	77	193	270	143	68	19
20	-	-	-	-	63	72	76	90	194	253	135	54	20
21	-	-	-	-	56	62	86	108	222	222	121	44	21
22	-	-	-	-	49	55	104	121	264	183	94	35	22
23	-	-	-	-	46	53	122	132	275	168	85	25	23
24	-	-	-	-	52	56	134	142	276	167	76	35	24
25	-	-	-	-	61	46	149	156	291	167	77	45	25
26	-	-	-	-	68	51	164	174	313	166	86	54	26
27	-	-	-	-	75	60	175	186	339	156	94	66	27
28	-	-	-	-	83	63	187	192	348	145	84	74	28
29	-	-	-	-	90	65	196	197	350	134	74	85	29
30	-	-	-	-	83	67	217	182	359	124	65	93	30
31	-	-	-	-	77	-	238	101	-	102	-	90	31
MO	-	-	-	-	-	59	113	175	254	253	103	60	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE INCOMPLETE

MINIMUM INSTANTANE : 21 CM LE 23 DECE A 07H00
 MAXIMUM INSTANTANE : 369 CM LE 15 OCTO A 18H00

MINIMUM JOURNALIER : 25 CM LE 23 DECE
 MAXIMUM JOURNALIER : 366 CM LE 15 OCTO

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1985

STATION : 1474000113 KPONDAVE LATIT. 6.22.00
 RIVIERE : MONO LONGIT. 1.47.00
 PAYS : TOGO
 BASSIN : MONO

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	80	74	40	39	69	50	55	381	389	191	71	37	1
2	69	72	50	50	74	61	72	383	389	180	64	44	2
3	59	61	50	59	67	70	89	383	389	170	59	51	3
4	51	52	53	70	55	79	128	384	389	151	67	58	4
5	55	48	55	78	46	83	173	375	389	143	74	64	5
6	65	50	62	85	51	74	193	374	389	155	69	71	6
7	75	54	69	79	61	64	201	378	395	169	57	77	7
8	75	48	68	68	62	55	237	381	397	187	49	76	8
9	85	54	72	60	70	46	283	385	399	182	41	75	9
10	83	47	64	53	78	47	313	383	399	161	42	78	10
11	75	54	51	46	85	48	335	377	399	143	52	84	11
12	63	64	45	55	79	56	351	376	399	129	62	83	12
13	55	55	63	51	61	64	358	367	403	121	73	71	13
14	45	55	62	47	47	60	359	365	403	123	84	61	14
15	34	57	51	56	40	49	361	365	394	136	80	52	15
16	37	63	55	66	50	53	354	369	385	149	71	45	16
17	46	55	49	75	58	52	337	380	371	140	61	35	17
18	47	50	49	78	66	48	308	386	353	123	52	26	18
19	40	46	55	70	75	48	282	386	337	105	43	31	19
20	27	55	52	72	84	52	254	386	323	91	36	39	20
21	30	64	47	77	87	49	237	377	326	81	38	47	21
22	42	56	57	62	80	43	249	375	339	82	45	56	22
23	54	45	62	51	71	46	271	384	347	87	51	63	23
24	65	53	55	47	62	50	309	387	330	79	57	59	24
25	74	46	42	40	54	55	349	387	305	70	65	59	25
26	70	46	36	47	48	50	368	382	275	62	63	67	26
27	59	46	34	50	49	51	384	377	248	69	54	75	27
28	46	37	35	49	44	52	385	377	223	77	46	83	28
29	50	-	33	50	36	52	385	379	207	85	39	79	29
30	60	-	29	60	32	50	378	383	198	80	34	70	30
31	71	-	29	-	39	-	376	388	-	73	-	62	31
MO	58	54	51	60	61	55	282	379	350	122	57	61	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE COMPLETE

MINIMUM INSTANTANE : 23 CM LE 20 JANU A 18H00
 MAXIMUM INSTANTANE : 405 CM LE 13 SEPT A 18H00

MINIMUM JOURNALIER : 26 CM LE 18 DECE
 MAXIMUM JOURNALIER : 403 CM LE 13 SEPT

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1986

STATION : 1474000113 KPONDAVE LATIT. 6.22.00
 RIVIERE : MONO LONGIT. 1.47.00
 PAYS : TOGO
 BASSIN : MONO

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	51	69	46	48	43	60	72	118	152	126	40	50	1
2	40	63	51	39	49	53	84	110	141	130	52	45	2
3	36	56	56	42	56	46	79	106	131	129	61	53	3
4	44	52	63	58	55	44	65	115	123	127	70	64	4
5	53	58	65	71	49	53	66	109	120	127	79	74	5
6	63	65	74	72	56	63	67	96	120	138	89	72	6
7	71	63	73	64	64	73	62	95	130	159	86	66	7
8	76	55	66	52	74	71	56	101	152	179	79	59	8
9	70	47	56	42	82	62	46	115	172	214	73	53	9
10	61	39	54	40	78	50	39	125	208	251	65	47	10
11	50	31	61	50	69	41	34	133	253	240	56	55	11
12	41	39	69	64	62	40	40	128	289	222	47	64	12
13	44	48	66	74	56	50	51	119	323	187	42	71	13
14	51	56	61	62	48	59	62	105	325	177	50	77	14
15	58	63	50	59	43	70	61	93	325	180	60	73	15
16	66	71	43	68	46	74	64	85	315	172	69	75	16
17	61	78	35	76	54	65	75	75	301	151	79	72	17
18	57	80	26	77	64	57	85	76	289	130	79	66	18
19	57	68	30	68	71	49	97	80	270	106	71	61	19
20	61	68	42	72	80	43	114	78	254	89	61	47	20
21	65	68	49	73	79	47	115	85	239	80	50	56	21
22	56	62	57	63	70	55	105	96	220	71	41	73	22
23	49	55	65	55	63	65	90	97	191	61	31	78	23
24	42	46	58	46	56	75	79	84	170	55	39	84	24
25	35	36	50	50	46	70	70	75	152	62	50	82	25
26	28	27	51	57	39	61	76	86	130	71	58	75	26
27	31	30	60	62	32	53	85	95	116	75	67	66	27
28	40	39	70	68	37	46	96	111	115	66	74	57	28
29	50		75	60	46	51	108	127	113	54	71	58	29
30	60		70	49	53	60	119	146	119	45	60	64	30
31	70		58		61		125	159		37		74	31
MO	53	55	57	59	58	57	77	104	199	126	62	65	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE COMPLETE

MINIMUM INSTANTANE : 23 CM LE 18 MARS A 18H00
 MAXIMUM INSTANTANE : 325 CM LE 13 SEPT A 07H00

MINIMUM JOURNALIER : 26 CM LE 18 MARS
 MAXIMUM JOURNALIER : 325 CM LE 14 SEPT

HAUTEURS MOYENNES JOURNALIERES EN CM - ANNEE 1987

STATION : 1474000113 KPONDAVE LATIT. 6.22.00
 RIVIERE : MONO LONGIT. 1.47.00
 PAYS : TOGO
 BASSIN : MONO

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	37	28	47	230	357	189	90	1
2	-	-	-	-	-	37	27	47	240	357	181	82	2
3	-	-	-	-	-	37	26	49	249	356	177	77	3
4	-	-	-	-	-	37	28	56	255	343	177	77	4
5	-	-	-	-	-	36	28	61	247	330	177	77	5
6	-	-	-	-	-	36	33	67	244	321	177	73	6
7	-	-	-	-	-	36	37	75	258	328	181	75	7
8	-	-	-	-	-	38	37	77	264	340	190	70	8
9	-	-	-	-	-	36	37	77	264	350	197	59	9
10	-	-	-	-	-	36	41	77	264	348	197	50	10
11	-	-	-	-	-	34	47	77	255	345	197	41	11
12	-	-	-	-	-	30	47	85	242	345	187	46	12
13	-	-	-	-	28	27	47	94	252	346	102	56	13
14	-	-	-	-	29	27	47	106	270	354	86	63	14
15	-	-	-	-	24	28	47	124	291	365	76	71	15
16	-	-	-	-	23	30	47	131	329	361	69	78	16
17	-	-	-	-	22	34	45	140	345	350	66	73	17
18	-	-	-	-	24	35	47	147	353	339	75	65	18
19	-	-	-	-	21	37	48	147	354	328	81	56	19
20	-	-	-	-	18	40	47	147	354	316	91	49	20
21	-	-	-	-	24	43	47	147	354	299	97	40	21
22	-	-	-	-	28	40	47	147	354	284	97	33	22
23	-	-	-	-	28	35	47	147	354	276	97	33	23
24	-	-	-	-	28	30	47	151	358	274	107	33	24
25	-	-	-	-	28	27	47	159	365	274	124	40	25
26	-	-	-	-	28	27	47	167	374	274	139	50	26
27	-	-	-	-	33	27	47	175	371	264	138	60	27
28	-	-	-	-	39	27	47	182	361	255	128	67	28
29	-	-	-	-	39	28	47	187	357	245	118	75	29
30	-	-	-	-	38	28	47	198	357	224	98	77	30
31	-	-	-	-	38		47	218		205		77	31
MO	-	-	-	-	-	33	42	120	305	315	134	62	MO

- : lacune . : à sec ou arrêt de l'écoulement

ANNEE INCOMPLETE

MINIMUM INSTANTANE : 17 CM LE 20 MAI A 07H00
 MAXIMUM INSTANTANE : 8224 CM LE 10 FEVR A 53H76

MINIMUM JOURNALIER : 18 CM LE 20 MAI
 MAXIMUM JOURNALIER : 374 CM LE 26 SEPT

GENERALITES

- superficie du bassin versant.....: 250 km²
- coordonnées de la station: 07°24'N - 00°52'E
- cote du zero de l'échelle: 253 m. (IGN) environ
- amplitude de l'échelle: 0 à 4.00 m.
- accès: Pont de la route KPALIME-ATAKPAME
- date de création: 26.02.1957
- cadence des relevés: 2 relevés par jour.
Limnigrammes depuis le
05.09.1964

TARAGE

- nombre de jaugeages au 31.12.87: 109
- maximum jaugé: H = 198-196 CM
Q = 32.1 M³/S
date : 02.08.1984
- nombre de tarages entre 1983 et 1987: 3
- dernier étalonnage utilisé :
valide du 01.06.1986 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
010	00000	055	2.380
004	00000	065	3.410
012	0.121	075	4.800
020	0.353	090	7.400
028	0.665	120	13.90
037	1.130	160	23.50
045	1.630	209	35.20

REMARQUE

- Limnigrammes non dépouillés.

STATION : 1474000505 AMOU OBLO
RIVIERE : AMOU
PAYS : TOGO
BASSIN : MOHO
DEBITS EN M³/S

LATIT. 7.24.00
LONGIT. 0.52.00
ALTIT. 253M
AIRE 250.000 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1957	-	-	.839	1.02	1.75	3.57	9.63	12.3	10.2	5.07	2.71	1.71	-
1958	1.07	.812	.762	.966	1.31	2.35	1.17	.843	1.27	1.72	1.72	.982	1.25
1959	.674	.611	.695	.610	1.01	1.13	2.39	1.09	3.84	7.14	2.20	1.31	1.89
1960	.793	.690	1.25	2.20	1.26	5.58	10.8	14.8	14.1	13.6	5.22	2.07	6.03
1961	1.62	.983	1.04	1.52	1.31	2.71	2.14	1.42	1.50	1.95	-	1.03	-
1962	.828	.739	1.02	1.07	1.85	3.02	-	2.04	-	-	-	-	-
1963	-	-	-	1.56	1.45	2.45	-	-	-	24.1	4.45	-	-
1964	.389	.065	.519	1.74	1.19	6.57	2.53	1.33	5.50	-	.916	.600	-
1965	.446	.388	.350	.541	.304	2.19	6.43	2.95	6.14	2.53	2.20	-	-
1966	-	-	-	3.15	3.90	5.82	-	-	-	-	-	-	-
1967	-	-	-	-	.821	1.81	3.53	2.88	8.72	8.04	2.71	-	-
1968	.945	.689	.899	1.95	1.92	8.43	11.2	20.9	13.1	13.3	6.09	2.54	6.83
1969	1.37	1.17	.986	1.85	1.09	2.32	6.04	11.3	6.95	12.2	6.42	-	-
1970	1.09	.787	.851	1.05	1.11	.950	1.65	.837	3.06	3.11	.944	.417	1.32
1971	.326	-	.592	-	.411	.791	4.34	6.31	14.6	3.55	1.14	.821	-
1972	.606	.524	.677	1.07	1.10	2.00	5.67	6.33	7.50	3.40	1.39	.652	2.58
1973	-	.405	-	.427	.416	.850	1.30	5.45	9.16	8.35	1.91	.926	-
1974	.550	.361	.822	-	1.03	1.54	2.78	4.34	17.9	8.35	-	1.17	-
1975	.660	.813	.517	1.15	.765	-	3.91	6.33	16.2	8.27	2.71	1.54	-
1976	.779	.667	.594	.576	1.25	3.58	2.33	3.65	-	5.78	3.91	1.20	-
1977	.678	-	.175	.301	-	-	1.28	-	-	-	1.23	.595	-
1978	.289	.457	1.11	.940	-	-	-	3.20	7.74	-	3.55	1.31	-
1979	.785	.497	-	-	3.42	4.19	-	3.94	10.8	5.88	2.74	-	-
1980	-	.821	-	2.09	3.79	9.07	-	16.2	15.7	-	7.56	3.55	-
1981	2.65	-	.988	-	.824	1.10	-	7.12	5.93	-	1.18	.713	-
1982	.394	-	.464	.518	.663	1.23	4.67	4.91	-	3.53	1.79	.869	-
1983	.410	.226	-	-	.206	2.05	1.87	1.54	-	1.91	.718	.686	-
1984	-	.126	-	-	-	-	-	-	-	6.78	2.05	1.33	-
1985	-	.553	-	1.14	.613	1.54	-	-	10.4	2.76	1.91	1.42	-
1986	.927	.806	1.37	-	.894	-	1.84	2.96	4.18	3.05	1.92	.891	-
1987	.599	.433	.714	.569	.574	-	5.50	6.04	11.6	5.08	1.72	1.04	-
MOY.	.821	.592	.784	1.22	1.29	3.07	4.23	5.81	8.96	6.64	2.70	1.22	3.32

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1474000505 AMOU OBLO
 RIVIERE : AMOU
 PAYS : TOGO
 BASSIN : MONO

LATIT. 7.24.00
 LONGIT. 0.52.00
 ALTIT. 253M
 AIRE 250.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.554	.299	.140	.405	.118	.357	1.22	1.31	2.08	3.49	.827	.660	1
2	.554	.272	.140	.330	.103	.419	1.11	1.28	2.06	3.14	.772	.968	2
3	.554	.267	.140	.365	.103	2.68	1.00	1.16	1.88	3.14	.725	.806	3
4	.547	.267	-	.361	.149	1.38	1.13	1.08	1.80	3.59	.718	.982	4
5	.507	.267	.120	.280	.313	.728	1.42	1.14	2.33	3.42	.718	.748	5
6	.500	.267	.120	-	.190	1.36	1.12	1.50	1.94	3.07	.711	.623	6
7	.500	.267	.120	.158	.265	.844	1.40	1.33	1.76	2.73	.670	.602	7
8	.493	.267	.120	.150	.175	.789	3.37	1.22	1.97	2.60	.663	.561	8
9	.452	.263	.120	.346	.140	1.48	3.42	1.17	2.03	2.36	.656	.554	9
10	.445	.240	.118	1.26	.128	1.28	2.72	1.18	1.77	2.16	.616	.609	10
11	.445	.258	.103	1.14	.153	1.90	2.26	1.10	2.15	2.11	.609	.902	11
12	.445	.236	.100	.462	.140	1.71	2.32	1.48	3.89	2.04	.609	.752	12
13	.445	.231	.100	.245	.123	6.59	3.05	1.27	4.58	2.00	.753	.704	13
14	.445	.231	.100	.196	.118	3.46	2.37	1.21	5.77	1.97	1.51	.616	14
15	.445	.236	.100	.162	.103	2.33	2.08	1.15	4.80	1.80	.977	.581	15
16	.441	.258	.100	.143	.103	1.91	1.89	1.07	4.71	1.69	.779	.684	16
17	.409	.236	.100	.140	.118	2.05	1.83	1.00	4.55	1.61	.718	.623	17
18	.374	.227	.100	.143	.118	2.22	1.74	.983	4.52	1.52	.670	.677	18
19	.343	.200	.100	.184	.105	3.38	1.55	.960	8.20	1.40	.656	1.04	19
20	.338	.196	.100	.334	.118	3.27	1.55	1.04	8.38	1.38	.663	.806	20
21	.338	.196	.100	.272	.118	3.41	2.00	.980	7.07	1.38	.908	.690	21
22	.338	.196	.100	.200	.103	2.83	1.78	.847	7.16	1.36	.745	.765	22
23	.338	.192	.100	.165	.097	2.51	2.30	.841	6.22	1.24	.663	.800	23
24	.334	.165	.097	.160	.082	2.57	2.05	1.02	5.68	1.20	.616	.677	24
25	.307	.160	.082	.158	.087	2.09	1.91	1.85	-	1.09	.609	.609	25
26	.303	.158	.080	.143	.135	1.91	1.78	3.37	5.64	1.06	.609	.561	26
27	.303	.143	.080	.140	.153	1.65	1.74	3.25	5.17	1.00	.609	.554	27
28	.303	.140	.085	.140	.283	1.53	1.62	3.66	4.55	.983	.609	.554	28
29	.303	.115	.138	1.11	1.42	1.53	3.21	4.03	.943	.602	.547	.547	29
30	.303	-	.123	.616	1.34	1.45	2.77	3.70	.929	.568	.507	.507	30
31	.303	.289	-	.742	-	1.38	2.36	-	.881	-	.500	.500	31
MO	.410	.226	-	.206	2.05	1.87	1.54	-	1.91	.718	.686	.686	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .080 M3/S LE 25 MARS A 12H00
 MAXIMUM INSTANTANE : 9.02 M3/S LE 13 JUIN A 06H00

MINIMUM JOURNALIER : .080 M3/S LE 26 MARS
 MAXIMUM JOURNALIER : 8.38 M3/S LE 20 SEPT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1474000505 AMOU OBLO
 RIVIERE : AMOU
 PAYS : TOGO
 BASSIN : MONO

LATIT. 7.24.00
 LONGIT. 0.52.00
 ALTIT. 253M
 AIRE 250.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.500	.160	.121	-	2.58	1.53	-	-	4.50	11.8	2.65	1.66	1
2	.500	.159	.165	-	6.68	1.53	-	33.4	4.08	10.3	2.53	1.59	2
3	.497	.141	.161	-	3.67	1.46	-	23.8	3.79	13.3	2.45	1.56	3
4	.446	.140	.141	-	2.62	1.30	2.05	19.6	3.74	13.7	2.36	1.53	4
5	.411	.139	.140	.912	3.09	1.11	1.85	17.9	3.48	17.0	2.32	1.49	5
6	.409	.131	.140	-	3.91	1.03	1.72	21.4	3.32	14.1	2.52	1.49	6
7	.394	.140	.140	-	2.93	.990	-	18.9	3.68	11.4	2.21	1.51	7
8	.387	.140	-	-	2.27	1.04	-	14.1	3.42	9.45	2.09	1.62	8
9	.340	.140	-	1.24	-	1.51	-	12.1	3.03	8.79	2.07	1.53	9
10	-	.140	-	4.11	-	1.19	2.72	17.0	3.28	7.80	1.98	1.41	10
11	-	.140	-	2.01	-	1.03	2.41	13.1	4.08	6.88	1.92	1.35	11
12	-	.140	-	1.46	2.62	1.14	2.20	10.9	3.42	6.62	2.00	1.33	12
13	.340	.140	-	1.31	2.71	-	1.98	11.8	3.16	5.90	1.91	1.32	13
14	.336	.130	.409	1.32	9.74	-	2.23	11.6	3.66	5.41	1.91	1.27	14
15	.305	.120	.389	1.08	-	1.34	2.08	29.2	4.46	5.50	2.01	1.30	15
16	.303	.120	.394	1.03	-	-	2.03	28.3	5.46	5.48	2.80	1.29	16
17	.285	.120	.406	.963	-	-	-	19.3	24.6	5.08	2.18	1.25	17
18	.267	.120	.791	.933	2.88	-	-	14.9	18.7	5.04	2.12	1.26	18
19	.267	.120	.660	-	2.56	-	3.40	12.4	13.4	5.07	2.01	1.24	19
20	.267	.120	.555	-	2.20	-	-	11.1	11.3	4.45	1.95	1.24	20
21	.267	.119	.503	-	2.03	-	-	9.56	-	4.15	1.99	1.22	21
22	.267	.106	.541	-	-	-	-	8.46	-	3.93	1.85	1.20	22
23	.249	.100	-	-	-	-	3.06	7.82	9.67	3.76	1.78	1.20	23
24	.229	.100	-	1.66	2.08	2.20	3.27	6.87	8.25	3.65	1.72	1.20	24
25	.198	.100	.810	1.49	-	-	-	6.08	7.27	3.42	1.72	1.20	25
26	.196	.100	-	1.90	-	-	-	5.51	7.90	3.35	1.72	1.22	26
27	.196	.101	-	7.20	-	2.16	-	5.02	15.8	3.20	1.70	1.26	27
28	.196	.119	.954	4.12	1.98	2.13	-	4.75	15.8	3.05	1.72	1.20	28
29	.196	.120	-	3.05	1.81	1.79	12.0	4.83	13.4	2.95	1.72	1.13	29
30	.196	-	-	2.56	1.68	-	-	-	13.4	2.82	1.72	1.06	30
31	.178	-	-	1.54	-	-	-	-	2.73	-	.992	.992	31
MO	-	.126	-	-	-	-	-	-	6.78	2.05	1.33	.686	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .100 M3/S LE 22 FEVR A 18H00
 MAXIMUM INSTANTANE : 45.9 M3/S LE 15 AOUT A 18H00

MINIMUM JOURNALIER : .100 M3/S LE 23 FEVR
 MAXIMUM JOURNALIER : 33.4 M3/S LE 2 AOUT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1985

STATION : 1474000505 AMOU OBLO
 RIVIERE : AMOU
 PAYS : TOGO
 BASSIN : MONO

LATIT. 7.24.00
 LONGIT. 0.52.00
 ALTIT. 253M
 AIRE 250.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.989	.735	.407	2.39	.539	.518	4.77	-	5.46	4.10	2.06	2.06	1
2	.986	.711	.405	6.66	.689	.532	6.28	7.10	4.85	4.06	1.85	1.86	2
3	.988	.648	.394	2.27	.598	.534	8.94	6.29	4.32	3.82	1.75	1.78	3
4	.994	.625	.405	2.26	.552	.550	8.43	5.43	4.48	3.76	1.72	1.69	4
5	.989	.606	.394	1.55	.552	.516	6.23	12.1	4.32	3.79	1.72	1.59	5
6	.966	.606	.471	1.82	.584	.464	4.83	14.6	6.73	3.48	1.72	1.53	6
7	.966	.606	.396	1.32	.968	.462	-	21.9	8.76	3.26	1.77	1.53	7
8	.991	.606	.369	1.05	.712	.462	-	16.6	22.8	3.10	2.16	1.46	8
9	1.01	.589	.358	.946	.638	.654	12.8	14.4	16.8	2.97	1.76	1.46	9
10	1.01	.570	.427	.898	.541	.521	11.7	11.7	12.0	3.08	1.74	1.42	10
11	.969	.570	.473	.849	.534	.609	9.01	8.96	12.0	2.93	1.92	1.59	11
12	.988	.570	.516	.764	.534	1.96	7.15	7.28	10.6	3.55	1.76	1.97	12
13	.966	.570	.619	.716	.516	1.68	5.87	6.38	21.0	2.81	1.72	1.58	13
14	.923	.552	1.12	.684	.496	1.27	7.72	7.51	21.7	2.65	1.69	1.47	14
15	-	.534	-	.693	.469	1.80	6.00	6.76	26.5	2.57	1.56	1.40	15
16	-	.534	-	.629	.678	1.72	5.11	5.62	19.0	2.67	1.53	1.40	16
17	.960	.534	.536	.656	.708	1.23	4.89	5.16	14.5	2.84	1.53	1.38	17
18	.918	.534	.527	.661	.731	1.22	6.82	5.89	11.6	2.50	1.53	1.33	18
19	.858	.532	.672	.658	.627	1.92	5.55	7.15	10.9	2.44	1.53	1.31	19
20	.872	.500	.674	.766	.539	3.06	4.73	12.2	10.4	2.36	1.46	1.26	20
21	.855	.498	.608	.627	.534	2.55	3.96	9.14	9.06	2.25	1.46	1.26	21
22	.852	.498	.595	.570	.516	2.42	3.47	7.61	7.76	2.20	1.57	1.26	22
23	.852	.480	.704	.636	.480	2.09	3.40	6.28	7.03	2.16	2.79	1.22	23
24	.852	.462	.610	.534	.739	2.24	3.11	5.51	6.19	2.09	2.28	1.17	24
25	.852	.462	.744	.536	.788	1.91	2.78	5.70	5.70	2.04	3.82	1.17	25
26	.829	.462	.737	.581	.593	1.77	4.19	5.34	6.43	2.01	2.37	1.17	26
27	.803	.460	1.48	.539	.518	2.74	4.36	5.10	5.51	2.01	2.33	1.17	27
28	.764	.427	.776	.552	.715	2.83	9.36	5.33	5.72	1.94	2.02	1.17	28
29	.758	.627	.914	.782	2.66	10.1	4.46	5.09	1.89	1.93	1.13	29	
30	.721	.580	.585	.593	3.33	8.83	5.77	4.57	2.20	2.32	1.13	30	
31	.738	.992	.536	-	5.46	1.97	1.11	31					
MO	-	.553	-	1.14	.613	1.54	-	-	10.4	2.76	1.91	1.42	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .353 M3/S LE 7 MARS A 18H00

MAXIMUM INSTANTANE : 41.8 M3/S LE 8 SEPT A 18H00

MINIMUM JOURNALIER : .358 M3/S LE 9 MARS

MAXIMUM JOURNALIER : 26.5 M3/S LE 15 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1474000505 AMOU OBLO
 RIVIERE : AMOU
 PAYS : TOGO
 BASSIN : MONO

LATIT. 7.24.00
 LONGIT. 0.52.00
 ALTIT. 253M
 AIRE 250.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	1.08	.761	.829	-	.881	1.03	.804	3.70	3.10	3.33	3.19	1.16	1
2	1.08	.761	.784	-	1.16	1.01	.967	2.91	2.85	3.06	3.05	1.11	2
3	1.08	.761	1.21	-	.906	1.07	1.47	2.67	2.59	2.98	2.84	1.06	3
4	1.06	.761	.929	-	.852	1.53	1.21	3.29	3.44	3.21	2.63	1.06	4
5	1.06	.764	.812	-	.829	1.25	.980	2.89	3.29	2.84	2.79	1.03	5
6	1.12	.800	.892	-	.784	1.03	1.19	2.63	3.09	2.97	2.76	.978	6
7	1.05	.778	1.18	-	.761	1.31	1.03	3.63	2.82	2.70	2.49	.975	7
8	1.04	.903	1.51	-	.738	1.12	1.04	2.99	3.16	2.52	2.38	1.00	8
9	.992	.806	1.17	-	.729	1.06	1.47	2.58	2.97	2.94	2.31	.952	9
10	.989	.761	.966	-	.906	1.05	1.57	2.35	2.75	3.57	2.23	.949	10
11	.966	.716	.939	-	.872	1.23	1.36	2.26	2.59	2.95	2.12	.949	11
12	.943	.702	1.48	-	.786	1.01	1.35	2.12	2.58	2.59	2.01	.926	12
13	.943	.755	1.11	-	.738	1.04	1.32	2.21	3.24	2.38	1.93	.923	13
14	.921	.716	.969	-	.718	1.92	1.26	3.27	4.13	2.31	1.79	.923	14
15	.898	.921	1.19	-	.738	1.59	1.19	2.64	3.68	2.23	1.71	.920	15
16	.898	.812	1.44	-	.733	1.27	1.26	2.30	9.61	2.10	1.64	.875	16
17	.898	.761	1.07	-	.673	1.19	2.00	2.16	10.3	2.16	1.63	.872	17
18	.898	.790	1.00	-	.813	1.24	1.61	2.36	7.23	2.22	1.57	.846	18
19	.875	1.07	1.39	-	.960	1.09	1.38	2.19	5.92	2.59	1.51	.820	19
20	.852	.855	1.12	-	.775	1.06	1.95	3.00	4.84	7.58	1.44	.820	20
21	.852	.767	1.18	-	.804	-	5.35	2.41	4.37	4.60	1.41	.820	21
22	.852	.738	1.66	-	.725	1.39	4.30	2.16	3.86	3.83	1.47	.820	22
23	.852	.699	1.53	-	.801	1.11	3.66	2.12	3.67	3.36	1.65	.820	23
24	.852	.736	1.87	-	.911	1.08	3.01	3.65	3.32	3.21	1.39	.820	24
25	.829	.781	3.73	-	1.66	1.06	2.59	3.43	4.55	3.06	1.32	.817	25
26	.829	.784	2.24	-	.971	1.07	2.31	2.73	4.37	2.85	1.32	.771	26
27	.829	1.19	2.09	-	.955	.978	2.12	3.57	5.18	2.65	1.32	.765	27
28	.806	.926	1.76	-	1.08	.875	1.94	5.86	4.19	2.58	1.35	.720	28
29	.806	1.50	-	-	.975	.846	1.82	4.01	3.93	2.55	1.26	.717	29
30	.806	1.41	-	-	1.43	.823	1.71	4.10	3.94	3.29	1.19	.717	30
31	.784	1.38	1.05	-	1.96	3.50	3.35	1.11	31				
MO	.927	.806	1.37	-	.894	-	1.84	2.96	4.18	3.05	1.92	.891	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .643 M3/S LE 17 MAI A 18H00

MAXIMUM INSTANTANE : 15.1 M3/S LE 16 SEPT A 18H00

MINIMUM JOURNALIER : .673 M3/S LE 17 MAI

MAXIMUM JOURNALIER : 10.3 M3/S LE 17 SEPT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1987

STATION : 1474000505 AMOU OBL
 RIVIERE : AMOU
 PAYS : TOGO
 BASSIN : MONO

LATIT. 7.24.00
 LONGIT. 0.52.00
 ALTIT. 253M
 AIRE 250.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.731	.431	.469	1.22	.350	-	2.36	3.35	9.77	9.36	2.46	1.19	1
2	.752	.420	.421	1.04	.326	-	2.08	3.38	9.78	8.39	2.36	1.34	2
3	.719	.393	.382	1.11	.352	-	1.86	3.46	8.79	7.44	2.29	1.57	3
4	.702	.392	.354	.902	.818	-	1.71	3.44	8.04	6.71	2.23	1.25	4
5	.667	.392	.353	.780	1.55	-	1.58	4.04	10.8	6.19	2.21	1.18	5
6	.665	.392	.353	.670	.662	-	1.48	3.33	15.9	6.15	2.14	1.13	6
7	.665	.392	.513	.680	.494	-	1.46	2.97	21.3	5.79	2.06	1.13	7
8	.654	.381	.778	.679	.470	-	2.38	3.63	14.5	5.31	1.99	1.13	8
9	.627	.354	.473	.580	.451	-	9.01	6.03	12.1	4.74	1.93	1.13	9
10	.626	.353	.615	.538	.412	-	4.52	6.83	10.4	4.51	1.91	1.12	10
11	.615	.386	.987	.510	.392	-	3.42	8.47	9.51	5.88	1.84	1.08	11
12	.577	.455	.752	.509	.392	-	5.19	6.96	9.30	9.23	1.78	1.08	12
13	.549	.432	.524	.520	.392	-	5.34	6.92	8.16	7.41	1.76	1.07	13
14	.548	.431	.468	.536	.375	-	8.11	6.03	7.27	5.77	1.69	1.03	14
15	.559	.442	.778	.499	.370	-	6.70	5.48	7.29	5.06	1.62	1.03	15
16	.575	.469	1.17	.471	.339	-	10.5	5.35	8.04	4.66	1.57	1.03	16
17	.549	.470	.712	.492	.313	-	14.5	7.83	7.23	5.07	1.57	1.03	17
18	.570	.470	.607	.535	.396	-	11.7	7.00	9.13	4.40	1.55	1.01	18
19	.740	.448	.529	.499	.497	-	16.9	6.20	7.12	4.19	1.51	.977	19
20	.746	.394	.494	.471	.397	-	7.88	5.56	8.29	4.22	1.51	.975	20
21	.646	.392	.593	.459	.373	-	6.53	4.89	18.6	3.95	1.49	.960	21
22	.578	.381	.664	.421	.353	-	5.59	4.47	21.2	4.12	1.44	.925	22
23	.549	.354	.553	.382	.405	-	4.54	4.25	14.5	3.62	1.44	.923	23
24	.548	.353	.548	.354	.901	-	4.79	6.05	13.0	3.31	1.44	.923	24
25	.537	.353	.548	.353	.857	-	4.85	7.51	16.7	3.19	1.42	.923	25
26	.521	.572	.835	.345	.716	-	4.43	7.55	13.5	3.80	1.38	.923	26
27	.525	.849	1.31	.366	.792	-	4.03	6.81	12.2	3.17	1.35	.909	27
28	.472	.582	.753	.444	.840	-	4.68	5.85	13.8	3.14	1.26	.874	28
29	.470		.845	.375	1.19	-	4.10	6.71	11.9	3.05	1.24	.857	29
30	.459		1.67	.334	.920	-	4.50	16.4	10.5	2.99	1.19	.822	30
31	.432		2.10		.697		3.90	10.6		2.70		.820	31
MO	.599	.433	.714	.569	.574	-	5.50	6.04	11.6	5.08	1.72	1.04	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .295 M3/S LE 17 MAI A 18H00

MAXIMUM INSTANTANE : 26.9 M3/S LE 21 SEPT A 18H00

MINIMUM JOURNALIER : .313 M3/S LE 17 MAI

MAXIMUM JOURNALIER : 21.3 M3/S LE 7 SEPT

AMOU A GLEI

N° 1474000510

GENERALITES

- superficie du bassin versant.....: 1.130 Km²
- coordonnées de la station: 07°20'N - 01°10'E
- cote du zero de l'échelle: 138 m. (IGN) environ
- amplitude de l'échelle: 0 à 6.00 m.
- accès: Pont de la route LOME-ATAKPAME
- date de création: 28.02.1963
- cadence des relevés: 1 à 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 92
- maximum jaugeé: H = 569 CM
Q = 172 M³/S
date : 11.09.1963
- nombre de tarages entre 1983 et 1987: 2
- dernier étalonnage utilisé :
valide du 01.01.1985 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-001	00000	200	8.250
045	00000	225	14.80
060	0.050	250	22.80
080	0.200	300	39.50
100	0.520	360	61.00
120	1.020	420	88.00
140	1.720	500	133.0
160	2.840	600	196.0
180	4.800	700	274.0
		790	353.0

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1474000510 GLEI
RIVIERE : AMOU
PAYS : TOGO
BASSIN : MONO
DEBITS EN M³/S

LATIT. 7.20.00
LONGIT. 1.10.00
ALTIT. 138M
AIRE 1130.00 KM2

ANNEE	JANU	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1963	-	-	-	2.80	3.99	10.2	55.3	58.0	-	-	17.5	4.75	-
1964	-	-	1.08	2.04	-	11.7	14.0	9.55	20.8	14.4	-	-	-
1965	1.00	-	-	-	3.21	12.2	67.8	29.9	22.4	9.61	-	-	-
1966	.820	.548	.496	.782	1.38	6.40	17.2	41.5	32.4	18.5	4.36	1.86	10.5
1967	1.10	.705	.654	1.23	1.28	7.96	24.2	25.2	31.9	16.3	-	1.58	-
1968	1.05	.624	.843	1.73	2.26	23.8	55.2	52.7	54.7	35.8	22.1	4.54	21.3
1969	2.38	1.68	1.58	2.81	1.88	4.11	15.3	21.1	14.6	26.5	14.8	3.21	9.16
1970	1.93	1.23	1.68	1.29	1.68	1.67	2.89	4.66	25.4	12.6	1.97	.660	4.81
1971	.421	.357	.610	.917	.626	.987	11.5	20.9	42.8	13.7	3.77	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	.577	2.04	9.86	33.1	25.2	19.2	5.26	1.58	-
1974	.720	.446	1.11	1.75	1.26	2.07	6.33	8.78	27.2	22.1	6.98	1.57	6.69
1975	.754	.814	.504	2.07	1.52	2.61	7.63	22.3	30.8	27.6	5.55	3.19	8.78
1976	1.28	.753	.599	.530	1.33	8.19	9.37	13.3	10.7	23.4	11.9	1.84	6.93
1977	1.00	.468	.280	.350	.490	1.18	2.29	1.47	14.1	17.2	1.78	.647	3.46
1978	.397	.504	1.53	1.91	3.32	-	-	-	-	-	-	2.05	-
1979	1.09	.400	.407	1.13	14.8	21.8	32.7	36.2	39.0	18.4	7.64	-	-
1980	1.23	.541	.445	.406	2.55	11.5	16.4	53.2	40.2	33.0	10.2	2.40	14.3
1981	1.00	.414	.538	.410	2.13	1.60	16.9	37.6	27.6	11.5	1.98	.460	8.51
1982	.332	.282	.339	4.19	5.28	9.00	25.0	29.6	23.7	11.3	3.16	1.04	9.44
1983	.356	.262	.227	1.58	.266	5.01	5.14	2.04	9.44	-	.672	.610	-
1984	.293	.184	.348	2.03	9.90	14.8	29.3	-	-	-	-	-	-
1985	.145	.034	-	3.35	1.76	4.26	40.9	54.3	38.2	3.88	1.07	-	-
1986	.224	.197	2.35	1.56	.938	1.28	3.17	6.48	11.2	7.65	2.73	1.46	3.27
1987	1.12	.977	.769	.816	.343	1.23	3.06	10.3	36.1	6.21	.793	.320	5.17
MOY.	.888	.571	.820	1.62	2.73	7.20	20.5	26.0	27.6	17.4	6.54	1.88	8.64

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1474000510 GLEI LATIT. 7.20.00
 RIVIERE : AMOU LONGIT. 1.10.00
 PAYS : TOGO ALTIT. 138M
 BASSIN : MONO AIRE 1130.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.440	.270	.224	2.47	.230	.557	1.80	2.78	5.00	21.4	1.05	.514	1
2	.443	.270	.221	.308	.229	.515	1.63	2.46	4.84	19.9	.988	.818	2
3	.463	.270	.215	.279	.223	1.30	1.66	2.17	4.55	20.6	.927	.961	3
4	.463	.270	.213	.271	.221	9.45	1.40	1.80	4.38	21.1	.901	.909	4
5	.443	.270	.206	.271	.215	4.14	1.94	1.65	4.25	21.4	.788	.770	5
6	.437	.270	.199	.281	.221	2.70	2.12	1.35	4.12	21.4	.718	.593	6
7	.414	.270	.199	.266	.262	1.79	2.38	1.08	3.92	20.8	.692	.544	7
8	.388	.270	.204	.254	.262	1.04	3.44	.910	3.85	20.0	.587	.518	8
9	.369	.270	.199	.247	.254	1.63	11.5	.727	3.58	19.3	.567	.489	9
10	.388	.270	.198	2.25	.250	2.46	12.8	.657	3.55	17.4	.544	.447	10
11	.411	.269	.198	25.4	.264	1.83	8.50	.680	3.62	15.9	.521	.465	11
12	.414	.263	.198	6.56	.247	2.51	5.99	.689	3.52	15.5	.515	.606	12
13	.411	.262	.198	3.55	.232	12.0	5.67	1.41	3.56	15.0	.505	.576	13
14	.391	.262	.198	.635	.230	6.20	5.46	1.46	5.03	13.4	.690	.547	14
15	.385	.262	.199	.401	.229	6.34	4.73	1.35	5.69	11.9	1.40	.544	15
16	.365	.262	.205	.334	.222	4.73	4.77	1.31	6.83	10.3	1.04	.541	16
17	.360	.262	.206	.273	.214	7.80	7.53	1.42	13.4	8.37	.788	.518	17
18	.325	.262	.206	.279	.214	7.01	5.99	1.31	13.5	7.85	.649	.499	18
19	.306	.262	.206	.274	.214	6.52	4.47	1.20	13.1	7.11	.572	.556	19
20	.302	.262	.205	.270	.218	13.0	2.99	1.02	14.6	4.85	.518	.860	20
21	.270	.261	.199	.263	.215	13.0	2.86	.748	19.9	2.91	.476	1.14	21
22	.291	.255	.198	.262	.214	9.59	3.17	.609	14.4	2.22	.533	.727	22
23	.301	.254	.198	.262	.214	6.51	6.69	.555	13.6	2.24	.762	.700	23
24	.295	.254	.197	.262	.214	5.65	8.19	.518	13.0	1.64	.550	.700	24
25	.290	.253	.191	.258	.214	5.00	11.2	.492	12.0	1.54	.456	.633	25
26	.286	.246	.190	.254	.214	4.63	7.75	.468	10.9	1.51	.482	.530	26
27	.286	.239	.190	.250	.213	3.83	5.91	.786	11.2	1.44	.473	.489	27
28	.282	.236	.190	.246	.211	3.35	4.10	7.82	19.8	1.37	.492	.447	28
29	.274		.190	.246	.270	2.91	6.41	11.1	21.7	1.28	.508	.437	29
30	.270		.194	.235	.809	2.32	3.23	7.03	21.8	-	.473	.417	30
31	.270		.991		.804		2.92	5.83	-			.414	31
MO	.356	.262	.227	1.58	.266	5.01	5.14	2.04	9.44	-	.672	.610	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .190 M3/S LE 25 MARS A 12H00
 MAXIMUM INSTANTANE : 32.1 M3/S LE 11 AVRI A 06H00

MINIMUM JOURNALIER : .190 M3/S LE 26 MARS
 MAXIMUM JOURNALIER : 25.4 M3/S LE 11 AVRI

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1474000510 GLEI LATIT. 7.20.00
 RIVIERE : AMOU LONGIT. 1.10.00
 PAYS : TOGO ALTIT. 138M
 BASSIN : MONO AIRE 1130.00 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.414	.230	.145	.218	5.50	3.53	17.7	-	-	-	-	-	1
2	.401	.229	.142	.210	22.6	4.68	15.9	-	-	-	-	-	2
3	.388	.217	.140	.229	11.3	4.12	19.4	-	-	-	-	-	3
4	.386	.203	.139	.495	10.5	3.87	17.3	-	-	-	-	-	4
5	.362	.206	.131	.436	16.2	3.14	15.6	-	-	-	-	-	5
6	.336	.202	.135	.332	17.0	2.17	23.7	-	-	-	-	2.78	6
7	.312	.197	.186	.275	16.4	1.65	19.8	-	-	-	-	2.51	7
8	.310	.190	.184	.272	15.0	4.96	16.3	-	-	-	-	2.44	8
9	.306	.190	.203	.308	13.9	5.09	13.7	-	-	-	-	2.41	9
10	.302	.189	.190	2.12	12.6	5.04	12.5	-	-	-	-	2.02	10
11	.295	.182	.182	4.27	12.2	11.3	11.2	-	-	-	-	1.76	11
12	.294	.182	.182	2.28	15.4	10.2	10.1	-	-	-	-	1.71	12
13	.295	.182	.177	1.72	14.4	8.65	8.74	-	-	-	-	1.61	13
14	.301	.186	.173	1.29	11.9	6.38	10.5	-	-	-	-	1.61	14
15	.294	.189	.263	1.02	9.50	11.1	13.4	-	-	-	-	1.61	15
16	.283	.182	.294	.794	7.26	26.0	12.3	-	-	-	-	1.60	16
17	.278	.182	.264	.513	8.07	23.5	12.8	-	-	-	-	1.46	17
18	.278	.181	.264	.398	8.11	33.8	35.4	-	-	-	-	1.26	18
19	.274	.174	.288	.413	6.64	28.1	42.3	-	-	-	-	1.07	19
20	.270	.174	.281	1.28	5.53	22.0	36.0	-	-	-	-	.972	20
21	.263	.181	.263	8.62	5.98	19.4	31.4	-	-	-	-	1.10	21
22	.262	.171	.395	4.57	5.31	20.4	42.2	-	-	-	-	.959	22
23	.262	.166	1.74	2.73	6.82	27.8	30.8	-	-	-	-	.918	23
24	.262	.165	1.52	2.11	6.07	31.3	22.9	-	-	-	-	.951	24
25	.251	.158	1.00	1.22	5.54	24.2	25.3	-	-	-	-	1.30	25
26	.246	.158	.514	.898	9.27	21.2	32.4	-	-	-	-	1.14	26
27	.238	.157	.320	2.87	8.20	23.4	112.	-	-	-	-	1.13	27
28	.231	.150	.298	9.66	6.37	19.8	106.	-	-	-	-	1.13	28
29	.230	.145	.282	5.56	4.70	17.1	52.6	-	-	-	-	1.13	29
30	.230		.257	3.91	4.28	19.9	45.7	-	-	-	-	1.12	30
31	.230		.230		3.83		44.5	-	-	-	-	-	31
MO	.293	.184	.348	2.03	9.90	14.8	29.3	-	-	-	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .130 M3/S LE 5 MARS A 06H00
 MAXIMUM INSTANTANE : 134. M3/S LE 27 JUIL A 17H00

MINIMUM JOURNALIER : .131 M3/S LE 5 MARS
 MAXIMUM JOURNALIER : 112. M3/S LE 27 JUIL

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1474000510 GLEI
 RIVIERE : AMOU
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.20.00
 LONGIT. 1.10.00
 ALTIT. 138M
 AIRE 1130.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.174	.072	.013	2.45	1.42	.673	5.24	38.4	25.0	12.8	1.20	-	1
2	.171	.064	.013	3.19	2.26	2.06	31.8	44.7	28.4	12.3	1.16	-	2
3	.178	.054	.013	5.84	2.16	1.68	20.6	65.3	60.5	8.77	1.16	-	3
4	.178	.050	.013	3.35	1.94	1.38	17.2	51.7	31.6	7.54	1.11	-	4
5	.174	.048	.010	6.84	2.47	1.04	14.7	61.1	64.1	6.55	1.01	-	5
6	.170	.046	.010	14.1	1.92	.938	18.4	100.	49.9	5.81	.972	-	6
7	.167	.044	.010	6.45	1.64	.806	43.8	97.6	48.6	5.30	.967	-	7
8	.163	.043	.010	4.32	1.60	.697	122.	68.8	37.9	4.73	.922	-	8
9	.163	.041	.010	3.37	1.62	.642	129.	55.2	51.1	4.32	.897	-	9
10	.156	.040	.016	2.75	1.62	.596	69.1	83.9	51.5	4.29	.895	-	10
11	.155	.038	.014	2.63	1.59	.582	59.1	67.4	42.4	4.07	.895	-	11
12	.155	.036	.013	2.51	1.53	.729	38.7	51.4	26.9	3.93	.914	-	12
13	.148	.033	.015	2.50	2.18	3.75	35.6	45.2	32.7	3.86	1.21	-	13
14	.148	.033	.031	2.65	2.03	15.8	87.9	98.8	36.2	3.63	1.17	-	14
15	.140	.029	-	4.40	3.07	4.46	47.3	112.	111.	3.51	1.14	-	15
16	.133	.026	-	3.95	2.80	3.41	34.1	69.2	68.0	3.28	1.08	-	16
17	.132	.024	-	3.41	2.66	3.89	31.8	68.3	44.0	3.14	1.05	-	17
18	.229	.019	-	2.83	2.47	3.43	31.9	39.8	34.9	3.05	.963	-	18
19	.189	.022	-	2.65	2.17	4.85	31.5	73.0	37.1	2.62	.929	-	19
20	.159	.026	-	2.31	1.95	22.0	28.9	46.3	33.4	2.28	.861	-	20
21	.141	.026	-	2.11	1.88	13.7	23.6	35.0	34.9	2.02	.843	-	21
22	.129	.026	-	1.95	1.67	8.65	20.9	29.5	27.6	1.76	.867	-	22
23	.118	.024	-	1.93	1.55	5.72	19.6	26.5	24.1	1.58	1.45	-	23
24	.118	.023	1.32	1.78	1.44	5.12	25.2	30.1	20.1	1.43	1.36	-	24
25	.114	.023	1.44	2.23	1.30	4.56	19.8	41.0	18.3	1.27	1.30	-	25
26	.110	.020	1.45	1.95	1.17	4.17	19.9	28.6	26.6	1.12	1.22	-	26
27	.110	.018	1.75	1.64	1.08	3.92	27.1	27.7	26.4	1.02	1.16	-	27
28	.106	.014	2.25	1.55	.958	3.25	44.7	41.2	23.3	.991	1.13	-	28
29	.095		1.87	1.49	.903	2.84	47.8	30.7	16.8	.932	1.09	-	29
30	.087		1.60	1.38	.775	2.44	73.0	22.6	13.6	1.30	1.09	-	30
31	.080		1.90		.588		46.5	31.1		1.22		-	31
MO	.145	.034	-	3.35	1.76	4.26	40.9	54.3	38.2	3.88	1.07	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .010 M3/S LE 5 MARS A 06H00
 MAXIMUM INSTANTANE : 185. M3/S LE 9 JUIL A 06H00

MINIMUM JOURNALIER : .010 M3/S LE 6 MARS
 MAXIMUM JOURNALIER : 129. M3/S LE 9 JUIL

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1474000510 GLEI
 RIVIERE : AMOU
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.20.00
 LONGIT. 1.10.00
 ALTIT. 138M
 AIRE 1130.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.296	.178	.274	2.73	.771	1.52	.954	6.21	10.0	9.94	5.51	1.78	1
2	.296	.178	.195	2.73	.884	1.44	1.55	7.17	10.1	8.50	4.82	1.75	2
3	.296	.178	.178	2.69	.857	1.34	1.35	5.41	11.3	7.77	4.40	1.72	3
4	.296	.178	.178	2.61	.845	1.24	1.19	4.89	11.3	13.8	3.95	1.70	4
5	.296	.174	.178	2.48	.843	1.28	1.30	5.69	14.8	16.0	3.42	1.67	5
6	.296	.170	.177	2.36	.823	1.25	1.46	4.71	12.1	13.2	2.94	1.60	6
7	.288	.170	.170	2.22	.853	1.20	1.36	4.66	9.84	13.2	2.72	1.56	7
8	.279	.169	.195	2.15	.821	1.16	1.28	6.60	9.32	10.6	3.38	1.54	8
9	.257	.163	.455	1.94	.796	1.58	1.41	4.98	11.5	9.78	3.42	1.48	9
10	.245	.159	.376	1.77	.793	1.53	2.91	4.20	10.0	11.2	3.33	1.46	10
11	.218	.155	.304	1.65	.771	1.51	2.61	3.72	8.65	9.83	3.12	1.44	11
12	.216	.155	.229	1.55	.770	1.44	2.79	3.35	7.72	8.31	2.83	1.42	12
13	.216	.155	.188	1.46	.757	1.41	3.56	4.40	7.61	7.20	2.60	1.48	13
14	.216	.155	.166	1.41	.743	1.34	2.48	9.14	10.9	6.34	2.29	1.46	14
15	.216	.155	.170	1.36	.721	1.30	2.09	7.49	12.6	5.30	2.35	1.44	15
16	.216	.155	.451	1.34	.760	1.30	2.21	5.50	10.2	4.45	2.34	1.42	16
17	.216	.181	.468	1.28	.909	1.53	2.78	4.19	13.8	3.89	2.28	1.41	17
18	.208	.429	1.09	1.19	.880	1.51	5.52	4.28	14.8	4.34	2.20	1.37	18
19	.196	.338	1.11	1.09	.844	1.43	4.10	4.58	12.0	5.10	2.21	1.37	19
20	.193	.279	1.93	1.04	.912	1.34	3.83	5.78	9.84	7.12	2.14	1.34	20
21	.193	.233	12.1	1.00	1.15	1.27	4.20	4.86	8.50	5.65	2.03	1.34	21
22	.189	.215	9.69	1.22	1.10	1.20	9.42	4.11	7.75	6.17	1.98	1.32	22
23	.185	.194	7.53	1.16	1.06	1.18	6.86	3.70	7.26	7.28	2.01	1.32	23
24	.184	.193	6.54	1.06	1.01	1.12	5.62	3.25	6.45	6.42	1.89	1.36	24
25	.178	.192	5.97	.984	1.01	1.01	4.47	6.59	7.81	5.57	2.09	1.41	25
26	.178	.182	4.90	.944	1.23	1.00	3.92	8.11	11.8	4.92	2.06	1.42	26
27	.178	.182	4.34	.895	1.20	1.06	3.73	9.28	26.3	4.40	1.97	1.39	27
28	.178	.262	3.90	.868	1.16	1.08	3.69	16.7	16.8	4.07	1.91	1.35	28
29	.178		3.52	.833	1.15	1.01	3.24	13.7	12.5	4.03	1.89	1.32	29
30	.178		3.00	.794	1.31	.923	3.02	12.0	11.9	6.00	1.81	1.30	30
31	.178		2.78		1.35		3.24	11.7		6.82		1.28	31
MO	.224	.197	2.35	1.56	.938	1.28	3.17	6.48	11.2	7.65	2.73	1.46	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .140 M3/S LE 15 MARS A 17H00
 MAXIMUM INSTANTANE : 33.5 M3/S LE 27 SEPT A 17H00

MINIMUM JOURNALIER : .155 M3/S LE 11 FEVR
 MAXIMUM JOURNALIER : 26.3 M3/S LE 27 SEPT

DEBIT MOYEN ANNUEL : 3.27 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1474000510 6LEI

RIVIERE : AMOU

PAYS : TOGO

BASSIN : MONO

DEBITS EN M3/S

LATIT. 7.20.00

LONGIT. 1.10.00

ALTIT. 138M

AIRE 1130.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	1.27	1.02	.973	2.46	.149	.646	1.96	1.86	23.5	14.6	1.42	.388	1
2	1.27	1.01	.931	1.75	.155	.774	1.53	1.74	24.1	12.6	1.36	.403	2
3	1.23	1.00	.826	1.49	.155	2.26	1.30	2.46	70.8	10.4	1.29	.393	3
4	1.23	.993	.684	1.28	.171	2.42	1.13	2.41	19.5	7.47	1.21	.392	4
5	1.23	.971	.643	1.06	.412	1.66	1.02	2.13	25.6	6.00	1.14	.388	5
6	1.20	.968	.619	.943	.732	1.53	.918	2.01	57.7	6.74	1.04	.377	6
7	1.20	.946	.624	.882	.721	1.58	.831	1.58	54.8	8.80	1.02	.376	7
8	1.16	.958	.915	.857	.436	1.33	.804	1.40	41.8	5.70	1.02	.376	8
9	1.13	.985	.827	.802	.359	1.10	1.37	1.46	21.5	4.63	.981	.372	9
10	1.09	1.02	.794	.721	.313	.971	3.97	2.16	17.9	4.21	.944	.361	10
11	1.06	1.01	.766	.694	.280	.906	2.65	2.82	30.1	5.79	.919	.356	11
12	1.02	1.02	.727	.645	.254	.847	1.80	4.53	26.5	7.04	.894	.345	12
13	1.00	1.01	.769	.620	.232	.816	2.08	5.66	14.9	13.0	.869	.340	13
14	1.02	1.06	.792	.620	.216	.754	2.23	12.4	9.93	7.31	.833	.329	14
15	1.02	1.13	.768	.611	.200	.741	3.50	25.5	14.3	6.18	.807	.328	15
16	1.04	1.11	.723	.640	.193	.825	3.51	8.71	15.9	5.17	.778	.324	16
17	1.06	1.09	.711	.634	.191	.895	11.0	34.4	14.8	9.18	.710	.313	17
18	1.09	1.06	.758	.643	.220	.868	8.14	18.3	14.3	6.71	.680	.312	18
19	1.31	1.01	.903	.633	.198	1.06	11.6	9.22	18.0	5.28	.629	.308	19
20	1.34	.994	.818	.761	.189	1.04	5.74	7.89	11.7	13.9	.571	.297	20
21	1.31	.969	.744	.770	.191	1.22	3.60	7.09	25.0	4.86	.532	.296	21
22	1.14	.946	.685	.757	.206	1.67	3.19	32.4	101.	5.45	.504	.292	22
23	1.11	.932	.672	.745	.190	1.44	2.50	18.6	85.2	3.98	.488	.281	23
24	1.07	.882	.697	.743	.199	1.27	1.99	10.4	70.4	2.95	.473	.280	24
25	1.04	.733	.742	.723	.321	1.25	2.36	11.9	71.0	2.47	.471	.276	25
26	1.02	.767	.743	.712	.491	1.14	2.08	14.7	61.5	2.42	.457	.265	26
27	.983	.790	.721	.621	.544	1.20	2.32	11.3	38.1	2.53	.448	.260	27
28	.961	1.00	.720	.314	.507	1.59	3.00	11.0	57.5	2.06	.440	.249	28
29	1.01		.735	.174	.465	1.59	2.62	11.4	27.4	1.83	.432	.244	29
30	1.01		.772	.154	.860	1.53	1.94	22.1	18.8	1.67	.420	.224	30
31	1.01		1.02		.880		2.09	19.1		1.55		.201	31
MO	1.12	.977	.769	.816	.343	1.23	3.06	10.3	36.1	6.21	.793	.320	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .146 M3/S LE 29 AVRI A 17H00

MAXIMUM INSTANTANE : 114. M3/S LE 23 SEPT A 06H00

MINIMUM JOURNALIER : .149 M3/S LE 1 MAI

MAXIMUM JOURNALIER : 101. M3/S LE 22 SEPT

DEBIT MOYEN ANNUEL : 5.17 M3/S

ANIE A BLITTA GARE 2

N° 1474001007

DEBITS MOYENS MENSUELS ET ANNUELS

GENERALITES

- superficie du bassin versant.....: 1.372 Km²
- coordonnées de la station: 08°20'N - 00°58'E
- cote du zero de l'échelle: 280 m. (IGN) environ
- amplitude de l'échelle: 0 à 7.00 m
- accès: Prés de la gare de BLITTA
- date de création: 15.11.1972
- cadence des relevés: 2 relevés par jour
Limnigrammes depuis 08.05.83

TARAGE

- nombre de jaugeages au 31.12.87: 36
- maximum jaugé: H = 298 CM
Q = 71.4 M³/S
date : 09.09.1986
- nombre de tarages entre 1983 et 1987: 3
- dernier étalonnage utilisé :
valide du 06.09.1987 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	00000	165	4.070
120	00000	175	6.440
125	0.050	190	11.00
128	0.090	200	14.90
131	0.150	220	23.70
135	0.290	240	33.50
138	0.420	260	44.90
142	0.710	280	57.30
146	1.120	310	81.30
151	1.750	345	112.0
156	2.490	563	304.0

REMARQUE

- débits relatifs aux limnigrammes, complétés par des lectures d'échelle.

STATION : 1474001007 BLITTA GARE 2

RIVIERE : ANIE

PAYS : TOGO

BASSIN : MOHO

DEBITS EN M3/S

LATIT. 8.20.00

LONGIT. 0.58.00

ALTIT. 280M

AIRE 1370.00 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1983	-	-	-	-	-	4.62	8.26	7.03	5.59	1.03	.271	.000	-
1984	.000	.000	.000	.153	2.10	4.11	21.0	16.3	29.0	7.49	.503	.056	6.73
1985	.000	.000	.000	.000	.000	-	7.28	38.4	-	5.99	.763	.144	-
1986	.009	-	-	-	-	5.35	9.88	31.6	36.8	-	-	.396	-
1987	.144	.090	.136	.061	.002	.290	-	23.8	-	6.00	.639	.089	-
MOY.	.038	.030	.045	.071	.701	3.59	11.6	23.4	23.8	5.13	.544	.137	6.73

DEBITS MOYENS JOURNALIERS ANNEE 1993

STATION : 1474001007 BLITTA GARE 2 LATIT. 8.20.00
 RIVIERE : ANIE LONGIT. 0.58.00
 PAYS : TOGO ALTIT. 280 M
 BASSIN : MONO AIRE 1370 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	.897	1.64	3.49	8.65	2.05	.523	.000	1
2	-	-	-	-	-	.836	1.46	2.83	7.29	1.74	.521	.000	2
3	-	-	-	-	-	1.01	1.35	2.70	5.96	1.51	.486	.000	3
4	-	-	-	-	-	1.15	3.37	3.45	4.96	1.39	.459	.000	4
5	-	-	-	-	-	1.25	22.0	2.80	5.80	1.40	.457	.000	5
6	-	-	-	-	-	1.02	10.8	3.57	9.74	1.50	.457	.000	6
7	-	-	-	-	-	.869	8.19	2.44	5.74	1.76	.455	.000	7
8	-	-	-	-	-	.853	22.9	1.58	4.46	1.39	.430	.000	8
9	-	-	-	-	-	.923	14.5	1.25	3.68	1.18	.428	.000	9
10	-	-	-	-	.455	.848	8.11	1.05	3.08	1.10	.430	.000	10
11	-	-	-	-	.428	.991	5.30	27.0	2.76	1.00	.441	.000	11
12	-	-	-	-	.400	4.75	3.85	9.88	3.01	.956	.412	.000	12
13	-	-	-	-	.372	32.3	3.43	5.01	3.57	1.05	.377	.000	13
14	-	-	-	-	.343	5.39	14.1	4.93	10.3	1.46	.425	.000	14
15	-	-	-	-	.334	4.53	8.75	3.99	6.05	1.28	.412	.000	15
16	-	-	-	-	.543	12.9	4.93	2.99	4.36	1.05	.372	.000	16
17	-	-	-	-	.502	7.57	25.1	2.44	5.46	.930	.329	.000	17
18	-	-	-	-	.457	5.38	18.0	2.06	10.1	.864	.278	.000	18
19	-	-	-	-	.444	14.4	9.26	1.77	5.10	.801	.194	.000	19
20	-	-	-	-	.444	10.2	6.31	1.70	3.75	.762	.110	.000	20
21	-	-	-	-	.453	5.06	4.66	1.70	3.02	.739	.057	.000	21
22	-	-	-	-	.418	3.57	3.76	1.64	12.3	.711	.032	.000	22
23	-	-	-	-	.457	2.60	3.74	1.59	12.7	.691	.025	.000	23
24	-	-	-	-	.704	2.07	11.7	1.60	7.05	.672	.016	.000	24
25	-	-	-	-	.805	3.75	6.23	2.86	4.76	.643	.008	.000	25
26	-	-	-	-	.674	4.34	4.39	9.30	3.73	.613	.000	.000	26
27	-	-	-	-	.603	2.53	4.47	32.7	2.97	.598	.000	.000	27
28	-	-	-	-	.664	2.06	9.03	23.7	2.56	.562	.000	.000	28
29	-	-	-	-	.904	2.73	6.24	26.8	2.49	.560	.000	.000	29
30	-	-	-	-	.808	1.95	4.49	17.5	2.22	.558	.000	.000	30
31	-	-	-	-	.870		3.80	11.5		.525		.000	31
MO	-	-	-	-	-	4.62	8.26	7.03	5.59	1.03	.271	.000	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 26/11 A 06H00
 MAXIMUM INSTANTANE : 104. M3/S LE 11/08 A 15H31

MINIMUM JOURNALIER : .000 M3/S LE 27/11
 MAXIMUM JOURNALIER : 32.7 M3/S LE 27/08

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1474001007 BLITTA GARE 2 LATIT. 8.20.00
 RIVIERE : ANIE LONGIT. 0.58.00
 PAYS : TOGO ALTIT. 280 M
 BASSIN : MONO AIRE 1370 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	2.12	1.26	18.6	21.9	33.4	43.7	.978	.148	1
2	.000	.000	.000	.000	1.44	.955	11.9	26.0	19.7	26.3	.903	.146	2
3	.000	.000	.000	.000	1.11	.781	84.6	22.7	18.4	20.0	.870	.128	3
4	.000	.000	.000	.000	1.01	.712	20.7	36.3	30.4	15.9	.819	.111	4
5	.000	.000	.000	.000	1.32	.655	13.4	19.8	17.5	12.8	.764	.110	5
6	.000	.000	.000	.000	1.28	.601	9.76	36.8	18.1	11.8	.711	.110	6
7	.000	.000	.000	.000	.957	.563	9.08	27.2	15.4	9.65	.673	.109	7
8	.000	.000	.000	.000	2.82	.823	74.2	17.0	12.7	7.90	.633	.092	8
9	.000	.000	.000	.000	2.42	1.36	28.6	13.2	10.7	7.30	.562	.091	9
10	.000	.000	.000	.000	1.67	1.56	24.0	26.9	33.2	7.65	.523	.082	10
11	.000	.000	.000	.000	1.41	1.00	19.5	14.3	22.8	5.88	.487	.073	11
12	.000	.000	.000	.000	1.06	4.91	14.9	11.3	17.9	4.95	.471	.072	12
13	.000	.000	.000	.000	.924	17.0	12.0	19.8	22.6	4.54	.457	.056	13
14	.000	.000	.000	.000	.891	6.38	21.2	18.2	27.6	3.98	.453	.054	14
15	.000	.000	.000	.000	.843	3.04	16.7	19.4	36.5	3.63	.484	.047	15
16	.000	.000	.000	.000	.932	2.08	17.0	11.2	21.0	9.52	.536	.040	16
17	.000	.000	.000	.000	15.1	2.44	14.3	10.0	48.7	5.55	.739	.040	17
18	.000	.000	.000	.000	2.53	1.68	14.6	8.49	39.4	4.04	.587	.036	18
19	.000	.000	.000	.000	1.33	1.50	13.0	9.18	27.9	3.26	.505	.032	19
20	.000	.000	.000	.000	1.01	1.28	17.7	11.7	41.4	2.82	.443	.032	20
21	.000	.000	.000	.000	.867	1.56	15.2	11.1	23.6	2.51	.386	.025	21
22	.000	.000	.000	.000	7.78	3.96	12.0	7.83	17.8	2.59	.331	.024	22
23	.000	.000	.000	.000	2.07	2.86	10.3	6.60	38.0	2.28	.313	.017	23
24	.000	.000	.000	.000	1.32	2.18	8.62	5.29	29.9	2.00	.278	.016	24
25	.000	.000	.000	.000	1.46	1.96	11.0	4.20	20.4	2.00	.242	.016	25
26	.000	.000	.000	.600	1.60	14.2	15.0	3.32	28.5	1.97	.238	.016	26
27	.000	.000	.000	.567	1.70	17.5	40.2	2.91	88.0	1.77	.213	.012	27
28	.000	.000	.000	1.19	1.46	15.2	20.3	2.88	35.5	1.59	.168	.007	28
29	.000	.000	.000	1.29	1.60	8.05	17.4	7.29	29.2	1.51	.165	.000	29
30	.000		.000	.935	1.05	5.29	25.0	13.1	43.7	1.45	.164	.000	30
31	.000		.000		1.96		20.1	60.8		1.40		.000	31
MO	.000	.000	.000	.153	2.10	4.11	21.0	16.3	29.0	7.49	.503	.055	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/01 A 00H00
 MAXIMUM INSTANTANE : 224. M3/S LE 27/09 A 01H14

MINIMUM JOURNALIER : .000 M3/S LE 01/01
 MAXIMUM JOURNALIER : 88.0 M3/S LE 27/09

DEBIT MOYEN ANNUEL : 6.74 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1985

STATION : 1474001007 BLITTA GARE 2 LATIT. 8.20.00
 RIVIERE : ANIE LONGIT. 0.58.00
 PAYS : TOGO ALTIT. 280 M
 BASSIN : MONO AIRE 1370 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	1.55	15.8	86.9	15.4	1.44	.330	1
2	.000	.000	.000	.000	.000	.000	1.77	20.1	72.7	14.6	1.35	.328	2
3	.000	.000	.000	.000	.000	.000	1.41	17.2	95.6	13.9	1.25	.300	3
4	.000	.000	.000	.000	.000	.000	.663	12.6	54.1	12.0	1.15	.272	4
5	.000	.000	.000	.000	.000	.000	.593	17.8	52.0	11.0	1.09	.268	5
6	.000	.000	.000	.000	.000	.000	.578	26.4	119.	9.83	1.02	.240	6
7	.000	.000	.000	.000	.000	.000	.665	22.4	89.9	8.86	1.02	.211	7
8	.000	.000	.000	.000	.000	.000	3.14	15.2	44.3	7.82	1.45	.191	8
9	.000	.000	.000	.000	.000	.000	1.77	35.6	134.	7.00	1.25	.172	9
10	.000	.000	.000	.000	.000	.000	1.44	27.4	118.	6.45	.953	.154	10
11	.000	.000	.000	.000	.000	.000	2.76	62.2	85.6	5.99	.876	.153	11
12	.000	.000	.000	.000	.000	.001	1.83	24.1	57.9	6.52	.887	.153	12
13	.000	.000	.000	.000	.000	.007	2.57	37.8	83.4	7.26	.804	.152	13
14	.000	.000	.000	.000	.000	.000	13.5	43.5	135.	5.99	.763	.135	14
15	.000	.000	.000	.000	.000	.000	4.68	65.9	181.	5.41	.723	.134	15
16	.000	.000	.000	.000	.000	.000	3.40	34.1	66.5	5.62	.660	.134	16
17	.000	.000	.000	.000	.000	.000	2.55	43.4	40.6	5.50	.652	.133	17
18	.000	.000	.000	.000	.000	.001	5.98	39.3	37.3	4.72	.611	.116	18
19	.000	.000	.000	.000	.000	.603	5.15	56.8	79.9	4.01	.568	.114	19
20	.000	.000	.000	.000	.000	-	3.16	106.	-	3.59	.525	.096	20
21	.000	.000	.000	.000	.000	-	2.36	43.9	34.3	3.37	.370	.093	21
22	.000	.000	.000	.000	.000	.729	1.85	29.2	28.0	2.89	.360	.076	22
23	.000	.000	.000	.000	.000	.518	1.63	37.4	23.4	2.63	.360	.075	23
24	.000	.000	.000	.000	.000	.331	7.33	30.9	22.1	2.43	.358	.075	24
25	.000	.000	.000	.000	.000	.231	10.3	30.1	39.4	2.33	.332	.073	25
26	.000	.000	.000	.000	.000	.204	8.93	41.1	24.6	2.11	.330	.056	26
27	.000	.000	.000	.000	.000	.287	19.3	33.1	20.0	1.92	.350	.055	27
28	.000	.000	.000	.000	.000	.272	29.5	60.7	28.7	1.78	.602	.054	28
29	.000	.000	.000	.000	.000	.288	29.4	36.2	24.6	1.64	.421	.044	29
30	.000	.000	.000	.000	.000	.289	37.2	53.5	20.9	1.54	.347	.044	30
31	.000	.000	.000	.000	.000	-	18.7	71.3	-	1.46	-	.044	31
MO	.000	.000	.000	.000	.000	-	7.28	38.4	-	5.99	.763	.144	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/01 A 00H00
 MAXIMUM INSTANTANE : 304. M3/S LE 06/09 A 17H41

MINIMUM JOURNALIER : .000 M3/S LE 01/01
 MAXIMUM JOURNALIER : 181. M3/S LE 15/09

DEBITS MOYENS JOURNALIERS ANNEE 1986

STATION : 1474001007 BLITTA GARE 2 LATIT. 8.20.00
 RIVIERE : ANIE LONGIT. 0.58.00
 PAYS : TOGO ALTIT. 280 M
 BASSIN : MONO AIRE 1370 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.044	.000	-	-	-	.000	.758	63.2	46.9	34.1	-	.851	1
2	.044	.000	-	-	-	.000	.601	16.6	27.6	22.5	-	.781	2
3	.040	.000	-	-	-	.000	.836	11.8	27.5	17.4	-	.709	3
4	.030	.000	-	-	-	.000	.673	9.61	28.1	20.3	-	.645	4
5	.019	.000	-	-	-	.002	1.66	8.25	90.5	24.7	-	.600	5
6	.011	.000	-	-	-	.024	1.71	7.47	72.4	123.	-	.556	6
7	.011	.000	-	-	-	5.64	1.33	31.6	38.0	44.7	-	.499	7
8	.011	.000	-	-	-	77.3	5.03	36.8	154.	29.9	-	.437	8
9	.011	.000	-	-	-	5.35	2.59	18.4	69.0	33.5	-	.434	9
10	.011	.000	-	-	-	6.01	3.71	13.4	54.0	23.6	-	.422	10
11	.011	.000	-	-	-	4.22	3.06	11.0	39.7	19.2	-	.391	11
12	.011	.000	-	-	-	2.60	1.94	9.28	39.4	-	-	.390	12
13	.011	.000	-	-	-	3.65	1.83	18.5	30.1	-	-	.390	13
14	.011	.000	-	-	-	9.84	4.16	31.2	38.5	-	-	.390	14
15	.011	.000	-	-	-	4.19	2.65	17.5	27.0	-	2.51	.390	15
16	.007	.000	-	-	-	3.35	2.09	13.1	22.2	-	2.43	.390	16
17	.000	.000	-	-	-	2.47	45.0	87.0	19.3	-	2.30	.382	17
18	.000	.000	-	-	.000	1.77	11.6	36.3	16.3	-	2.18	.361	18
19	.000	.000	-	-	.000	1.10	7.50	26.3	15.2	-	2.05	.343	19
20	.000	.000	-	-	.000	3.02	6.78	22.0	13.7	-	1.93	.293	20
21	.000	.000	-	-	.000	4.22	23.8	16.8	16.9	-	1.88	.271	21
22	.000	-	-	-	.000	4.01	75.1	21.5	22.6	-	1.83	.270	22
23	.000	-	-	-	.000	2.92	21.8	31.8	18.7	-	1.77	.270	23
24	.000	-	-	-	.000	3.85	14.3	38.5	13.4	-	1.58	.262	24
25	.000	-	-	-	.000	4.32	11.3	83.5	14.8	-	1.36	.241	25
26	.000	-	-	-	.000	4.29	9.20	42.5	25.9	-	1.34	.240	26
27	.000	-	-	-	.000	2.48	8.13	50.5	31.3	-	1.21	.232	27
28	.000	-	-	-	.000	1.76	7.57	59.4	19.7	-	1.05	.211	28
29	.000	-	-	-	.000	1.16	6.88	47.9	31.0	-	.944	.210	29
30	.000	-	-	-	.000	.917	6.26	58.0	40.6	-	.876	.210	30
31	.000	-	-	-	.000	-	16.4	40.0	-	-	-	.210	31
MO	.009	-	-	-	-	5.35	9.88	31.6	36.8	-	-	.396	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 17/01 A 06H00
 MAXIMUM INSTANTANE : 201. M3/S LE 08/09 A 18H58

MINIMUM JOURNALIER : .000 M3/S LE 18/01
 MAXIMUM JOURNALIER : 154. M3/S LE 08/09

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1474001007 BLITTA GARE 2 LATIT. 8.20.00
 RIVIERE : ANIE LONGIT. 0.58.00
 PAYS : TOGO ALTIT. 280 M
 BASSIN : MONO AIRE 1370 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.191	.075	.135	.135	.000	.001	.569	4.38	137.	8.88	1.59	.184	1
2	.186	.075	.129	.129	.000	.010	.494	8.07	92.1	8.88	1.47	.161	2
3	.173	.075	.116	.116	.000	.107	.522	20.4	140.	8.85	1.34	.160	3
4	.172	.075	.109	.109	.000	.157	.321	10.4	49.6	7.99	1.25	.154	4
5	.172	.075	.090	.095	.000	.152	.289	10.0	184.	6.72	1.21	.138	5
6	.167	.075	.075	.095	.000	.259	.295	9.02	106.	6.60	1.10	.137	6
7	.154	.069	.069	.095	.000	.364	.228	11.5	48.7	6.48	.994	.130	7
8	.153	.055	.055	.089	.000	.576	.278	20.7	33.2	5.72	.890	.114	8
9	.148	.055	.055	.070	.000	.397	1.49	9.20	25.5	5.63	.787	.113	9
10	.135	.051	.066	.052	.000	.317	.568	11.0	22.0	5.73	.713	.113	10
11	.134	.044	.093	.044	.000	.270	.370	24.4	19.9	13.2	.710	.113	11
12	.129	.044	.095	.044	.000	.248	.546	21.4	58.6	17.4	.690	.113	12
13	.116	.040	.095	.040	.000	.308	.541	26.5	30.8	11.1	.620	.113	13
14	.115	.033	.095	.033	.000	.272	1.26	26.0	24.2	7.69	.567	.113	14
15	.115	.033	.144	.033	.000	.268	-	22.9	28.0	7.00	.545	.107	15
16	.109	.029	.256	.029	.000	.246	5.09	20.1	74.6	6.39	.475	.087	16
17	.101	.022	.233	.031	.000	.456	2.77	25.9	65.3	6.30	.422	.077	17
18	.120	.022	.211	.050	.000	.380	2.13	17.3	35.2	6.31	.408	.072	18
19	.149	.018	.205	.044	.000	.371	1.44	13.9	25.6	5.81	.378	.060	19
20	.184	.011	.192	.058	.000	.325	1.06	23.2	34.3	4.94	.365	.050	20
21	.173	.083	.186	.087	.000	.406	.687	23.6	34.7	3.66	.322	.050	21
22	.172	.262	.173	.075	.000	.406	.865	17.2	28.6	3.44	.303	.050	22
23	.167	.262	.167	.069	.000	.317	.654	17.6	21.0	3.15	.320	.050	23
24	.154	.241	.143	.055	.000	.270	1.34	26.7	-	3.03	.291	.050	24
25	.153	.226	.111	.051	.000	.226	4.90	106.	-	2.92	.281	.050	25
26	.153	.182	.095	.044	.006	.191	15.1	66.6	-	2.59	.259	.047	26
27	.148	.154	.122	.037	.018	.275	1.66	38.4	-	2.31	.249	.040	27
28	.129	.148	.193	.019	.011	.244	1.42	29.9	-	2.11	.226	.037	28
29	.110		.199	.008	.011	.279	2.22	26.6	-	1.87	.216	.030	29
30	.095		.168	.000	.011	.605	6.21	30.0	-	1.72	.194	.027	30
31	.089		.148		.007		6.14	19.9		1.62		.020	31
MO	.144	.090	.136	.061	.002	.290	-	23.8	-	6.00	.639	.089	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : donnees relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 30/04 A 06H00
 MAXIMUM INSTANTANE : 259. M3/S LE 05/09 A 05H12

MINIMUM JOURNALIER : .000 M3/S LE 01/05
 MAXIMUM JOURNALIER : 184. M3/S LE 05/09

ANIE A PONT CFT

N° 1474001009

DEBITS MOYENS MENSUELS ET ANNUELS

GENERALITES

- superficie du bassin versant.....: 3.630 Km²
- coordonnées de la station: 07°44'N - 01°12'E
- cote du zero de l'échelle: 148.63 m. (IGN)
- amplitude de l'échelle: 0 à 10.00 m.
- accès: Pont CFT à l'entrée d'ANIE
- date de création: 20.07.1964
- cadence des relevés: 2 relevés par jour
Limnigrammes depuis 22.11.64

TARAGE

- nombre de jaugeages au 31.12.87: 218
- maximum jaugé: H = 554 CM
Q = 250 M³/S
date : 18.09.1969
- nombre de tarages entre 1983 et 1987: 3
- dernier étalonnage utilisé :
valide du 16.09.1985 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	00000	170	14.40
053	00000	190	19.40
057	0.020	220	29.00
061	0.050	250	40.60
065	0.100	290	57.20
070	0.200	340	80.50
076	0.350	400	111.0
082	0.630	500	175.0
089	1.080	600	275.0
100	1.960	700	405.0
110	3.100	800	555.0
120	4.680	900	715.0
135	7.130	1000	879.0
150	10.00	1130	1100.0

REMARQUE

- débits relatifs aux limnigrammes, complétés par des lectures d'échelle.

STATION : 1474001009 PONT C F T

RIVIERE : ANIE

PAYS : TOGO

BASSIN : MOHO

DEBITS EN M3/S

LATIT. 7.44.00

LONGIT. 1.12.00

ALTIT. 149M

AIRE 3630.00 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1964	-	-	-	-	-	-	-	23.2	91.1	13.2	1.93	.200	-
1965	.032	.017	.000	.107	.020	23.5	125.	68.5	87.9	10.2	.884	.190	26.4
1966	.032	.000	.000	.116	.211	4.33	21.4	150.	139.	47.3	7.66	.626	30.9
1967	.011	.002	.006	3.34	1.85	3.42	41.6	67.9	182.	56.6	8.63	3.99	30.8
1968	.961	.156	.205	.784	4.57	8.01	80.6	152.	149.	56.9	9.08	2.23	38.7
1969	.882	.248	.172	4.97	3.08	4.34	43.4	104.	162.	67.5	18.3	1.33	34.2
1970	.230	.030	2.24	.049	2.86	.788	8.04	38.6	171.	27.6	2.15	.117	21.1
1971	.005	.001	.191	1.23	2.30	.838	11.4	51.9	101.	14.2	1.68	.172	15.4
1972	.022	.003	.051	1.31	4.40	16.2	56.9	51.1	61.2	12.4	2.25	.401	17.2
1973	.361	.003	.000	.123	.052	1.08	18.6	38.9	79.8	32.9	3.99	.294	14.7
1974	.021	.021	.044	.317	1.11	.677	6.01	13.6	67.7	27.9	2.33	.081	9.98
1975	.004	.002	.007	.795	1.57	5.56	27.6	76.1	117.	54.9	3.70	.887	24.0
1976	.062	.006	.004	.278	.741	9.00	9.32	43.9	20.1	-	27.4	1.83	-
1977	.353	.049	.003	.000	.000	1.75	4.65	17.1	89.5	28.6	1.36	.068	12.0
1978	.005	.000	.801	1.73	1.48	17.6	44.2	27.2	76.5	70.6	12.8	.770	21.1
1979	.202	.006	.002	.409	.848	8.10	97.1	127.	93.5	21.3	6.72	.670	29.7
1980	.108	.015	.012	.023	.062	.788	23.0	131.	-	60.1	7.94	.822	-
1981	.031	.014	.021	.336	1.14	1.06	10.7	52.7	73.9	8.65	1.04	.027	12.5
1982	.013	.000	.012	1.27	.659	.894	5.56	9.79	-	6.37	1.03	.038	-
1983	.000	.000	.009	.142	.132	22.6	14.9	8.99	9.93	1.64	.138	.027	4.88
1984	.001	.000	1.83	-	-	9.70	34.5	37.6	54.9	16.5	2.45	.460	-
1985	.157	-	-	-	-	.695	62.5	150.	185.	15.5	2.82	1.28	-
1986	.627	.279	.201	.584	.277	5.75	16.6	45.2	69.6	36.5	3.94	.756	15.0
1987	.000	.000	.000	.000	.000	2.39	6.43	83.7	-	32.0	3.40	2.09	-
MOY.	.179	.038	.264	.853	1.30	6.48	33.5	65.4	99.1	31.3	5.57	.807	21.1

DEBITS MOYENS JOURNALIERS ANNEE 1983

STATION : 1474001009 PONT CFT LATIT. 7.44.00
 RIVIERE : ANIE LONGIT. 1.12.00
 PAYS : TOGO ALTIT. 149 M
 BASSIN : MONO AIRE 3630 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.938	.007	3.17	3.39	11.8	14.1	5.61	.281	.050	1
2	.000	.000	.000	.687	.005	10.3	2.79	10.8	11.7	4.56	.257	.050	2
3	.000	.000	.000	.411	.005	25.8	2.71	9.80	9.76	3.86	.253	.050	3
4	.000	.000	.000	.270	.004	15.4	2.68	8.81	8.52	3.45	.230	.050	4
5	.000	.000	.000	.194	.002	12.5	19.7	7.83	7.32	3.11	.207	.047	5
6	.000	.000	.000	.156	.002	8.60	31.8	6.84	5.61	2.88	.205	.040	6
7	.000	.000	.000	.126	.001	1.30	19.7	5.85	11.2	2.69	.205	.040	7
8	.000	.000	.000	.093	.000	.713	19.3	4.87	7.46	2.51	.203	.040	8
9	.000	.000	.000	.072	.000	.484	24.8	4.08	6.03	2.41	.182	.040	9
10	.000	.000	.000	.155	.000	.289	17.5	3.74	5.43	2.23	.178	.037	10
11	.000	.000	.000	.340	.000	.177	14.3	4.06	5.01	1.99	.157	.030	11
12	.000	.000	.000	.212	.000	.600	12.5	3.22	4.69	1.58	.154	.030	12
13	.000	.000	.000	.137	.151	131.	11.2	31.4	4.36	1.42	.137	.030	13
14	.000	.000	.000	.094	.471	44.4	10.6	13.3	6.76	1.28	.135	.030	14
15	.000	.000	.000	.072	.336	18.0	16.9	8.54	15.6	1.15	.119	.030	15
16	.000	.000	.000	.054	.244	45.3	14.2	5.83	12.6	1.04	.118	.027	16
17	.000	.000	.000	.039	.193	91.0	18.6	4.83	11.6	.980	.113	.020	17
18	.000	.000	.000	.027	.156	29.3	46.5	4.28	16.9	.920	.099	.020	18
19	.000	.000	.000	.022	.163	23.3	21.4	3.80	16.2	.860	.098	.020	19
20	.000	.000	.000	.022	.204	44.1	13.7	3.33	12.6	.800	.093	.020	20
21	.000	.000	.000	.022	.140	24.4	9.42	2.88	11.1	.741	.080	.020	21
22	.000	.000	.000	.020	.102	15.7	7.23	2.45	10.2	.688	.080	.020	22
23	.000	.000	.000	.017	.068	12.7	5.76	2.03	14.9	.636	.080	.018	23
24	.000	.000	.000	.017	.039	11.5	10.0	1.60	16.5	.584	.080	.013	24
25	.000	.000	.000	.015	.025	42.9	17.2	1.20	12.7	.532	.075	.013	25
26	.000	.000	.000	.012	.015	16.8	13.5	.873	9.95	.481	.065	.013	26
27	.000	.000	.000	.012	.078	13.7	11.9	10.6	8.55	.447	.065	.013	27
28	.000	.000	.000	.011	.228	12.3	17.7	32.4	7.55	.413	.065	.013	28
29	.000	.000	.000	.008	.175	11.5	17.0	25.2	6.77	.380	.065	.013	29
30	.000	.000	.000	.008	.142	10.2	14.2	24.9	6.24	.347	.060	.013	30
31	.000	.295			1.14		12.8	17.6		.313		.010	31
MO	.000	.000	.009	.142	.132	22.6	14.9	8.99	9.93	1.64	.138	.027	MO

- : lacune + : lacune due à une cote hors bareme
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/01 A 00H00
 MAXIMUM INSTANTANE : 362. M3/S LE 17/06 A 00H21

MINIMUM JOURNALIER : .000 M3/S LE 01/01
 MAXIMUM JOURNALIER : 131. M3/S LE 13/06

DEBIT MOYEN ANNUEL : 4.87 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1984

STATION : 1474001009 PONT CFT LATIT. 7.44.00
 RIVIERE : ANIE LONGIT. 1.12.00
 PAYS : TOGO ALTIT. 149 M
 BASSIN : MONO AIRE 3630 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.013	.000	.000	.000	-	4.26	75.5	34.3	62.7	79.7	3.57	2.30	1
2	.011	.000	.000	.066	-	2.67	34.8	91.3	41.3	53.8	3.34	1.94	2
3	.007	.000	.000	.731	-	7.13	55.0	88.8	47.2	40.4	3.11	1.65	3
4	.006	.000	.000	.430	-	4.30	59.2	93.4	87.2	32.9	2.89	1.42	4
5	.006	.000	.000	.171	-	2.11	22.8	76.6	46.2	28.2	2.78	1.22	5
6	.006	.000	.000	-	-	1.37	16.9	80.9	32.0	29.6	2.60	1.02	6
7	.005	.000	.000	-	-	1.06	13.1	109.	25.8	24.2	2.42	.836	7
8	.000	.000	.000	-	-	.894	10.6	44.4	24.0	21.4	2.28	.668	8
9	.000	.000	.000	-	1.24	.744	78.4	28.3	20.4	18.8	2.18	.515	9
10	.000	.000	.000	-	1.33	.801	29.9	29.5	19.0	15.2	2.09	.432	10
11	.000	.000	.000	-	2.30	.871	35.0	31.3	38.0	12.1	1.97	.381	11
12	.000	.000	.000	-	1.66	.768	22.4	20.7	27.8	11.1	1.88	.330	12
13	.000	.000	.000	-	1.14	1.58	15.9	32.2	24.5	10.6	1.77	.282	13
14	.000	.000	.000	-	1.42	12.0	13.0	43.2	26.8	10.3	1.72	.256	14
15	.000	.000	.000	-	1.72	9.03	22.6	30.0	52.1	10.1	1.60	.231	15
16	.000	.000	.000	-	.975	6.20	19.9	26.2	37.8	9.38	1.52	.194	16
17	.000	.000	.000	-	.952	4.80	20.6	27.5	86.1	8.95	1.63	.156	17
18	.000	.000	.000	-	1.12	28.6	18.2	19.4	95.7	8.88	3.94	.137	18
19	.000	.000	.000	-	3.41	17.8	32.8	17.0	58.6	12.7	3.66	.110	19
20	.000	.000	.000	-	3.11	8.68	34.4	32.9	54.5	11.9	3.29	.073	20
21	.000	.000	.000	-	1.77	4.98	30.3	34.9	55.9	10.2	3.00	.050	21
22	.000	.000	9.39	-	1.59	17.9	28.0	22.8	39.1	8.61	2.79	.035	22
23	.000	.000	30.2	-	5.35	13.9	18.8	17.7	56.8	7.11	2.60	.020	23
24	.000	.000	9.11	-	4.47	8.17	14.4	13.5	75.7	6.04	2.42	.010	24
25	.000	.000	4.27	-	2.52	5.62	11.7	11.1	40.4	5.46	2.28	.000	25
26	.000	.000	2.09	-	1.56	4.56	9.56	10.3	29.1	5.02	2.18	.000	26
27	.000	.000	1.04	-	1.35	27.0	153.	9.77	176.	4.58	2.09	.000	27
28	.000	.000	.401	-	1.27	51.9	65.1	9.19	90.2	4.18	2.00	.000	28
29	.000	.000	.149	-	1.17	28.0	33.1	12.1	87.1	3.94	1.92	.000	29
30	.000	.000	.056	-	.990	13.2	33.1	25.5	87.9	3.75	1.88	.000	30
31	.000	.017			1.36		42.4	42.8		3.64		.000	31
MO	.001	.000	1.83	-	-	9.70	34.5	37.6	54.9	16.5	2.45	.460	MO

- : lacune + : lacune due à une cote hors bareme
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 08/01 A 08H00
 MAXIMUM INSTANTANE : 298. M3/S LE 27/09 A 15H10

MINIMUM JOURNALIER : .000 M3/S LE 09/01
 MAXIMUM JOURNALIER : 176. M3/S LE 27/09

DEBITS MOYENS JOURNALIERE ANNEE 1985

STATION : 1474001009 PONT CFT
 RIVIERE : ANIE
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.44.00
 LONGIT. 1.12.00
 ALTIT. 149 M
 AIRE 3630 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	-	-	-	-	.000	1.32	66.3	326.	46.3	3.99	1.49	1
2	.000	-	-	-	.072	.000	20.6	114.	214.	39.9	3.89	1.48	2
3	.000	-	-	-	.065	.000	31.5	101.	437.	36.7	3.88	1.48	3
4	.000	-	-	-	.050	.000	29.4	110.	165.	33.2	3.74	1.41	4
5	.000	-	-	-	.040	.000	18.4	61.7	151.	29.6	3.72	1.40	5
6	.000	-	-	-	.030	.000	27.5	383.	226.	28.0	3.58	1.40	6
7	.000	.205	-	3.58	.020	.000	82.8	342.	312.	26.9	3.56	1.40	7
8	.000	.181	-	2.49	.020	.000	120.	124.	121.	17.9	3.43	1.40	8
9	.000	-	-	1.34	.019	.000	45.1	248.	216.	16.2	3.41	1.33	9
10	.000	-	-	.539	.013	.000	133.	175.	187.	15.0	3.27	1.32	10
11	.000	-	-	.157	.012	.000	96.7	181.	136.	13.6	3.25	1.32	11
12	.000	-	-	.135	.007	.025	45.0	128.	129.	15.7	3.11	1.32	12
13	.000	-	-	.120	.006	.339	28.8	116.	231.	14.7	3.09	1.32	13
14	.007	-	-	.117	.000	.237	174.	171.	372.	13.9	3.00	1.32	14
15	.144	-	-	.101	.000	.150	112.	156.	843.	13.1	2.98	1.32	15
16	.862	-	-	-	.000	.118	72.4	133.	268.	12.1	2.87	1.25	16
17	.777	-	-	-	.000	.101	33.2	99.1	148.	11.1	2.76	1.24	17
18	.615	-	-	-	.005	.089	141.	114.	119.	10.2	2.64	1.24	18
19	.470	-	-	-	.000	.065	72.2	175.	141.	9.73	2.54	1.24	19
20	.369	-	-	-	.000	.181	58.1	185.	128.	9.35	2.48	1.24	20
21	.299	-	-	-	.000	1.63	33.3	146.	109.	8.94	2.36	1.24	21
22	.244	-	-	-	.000	1.40	28.8	81.4	74.3	8.39	2.20	1.24	22
23	.206	-	-	-	.000	3.84	24.5	60.3	59.9	7.82	2.18	1.17	23
24	.181	-	-	-	.004	3.24	57.4	68.7	52.2	7.17	2.07	1.16	24
25	.156	-	-	-	.058	2.33	19.6	106.	60.7	6.50	1.97	1.16	25
26	.137	-	-	-	.035	1.85	18.7	139.	63.6	5.92	1.88	1.16	26
27	.118	-	-	-	.020	1.48	28.6	129.	49.5	5.43	1.80	1.16	27
28	.099	-	-	-	.010	1.34	41.4	272.	73.7	4.95	1.72	1.16	28
29	.080	-	-	-	.003	1.25	114.	182.	65.0	4.62	1.64	1.09	29
30	.065	-	-	-	.000	1.18	157.	109.	59.8	4.47	1.56	1.08	30
31	.050	-	-	-	.000	-	71.2	164.	-	4.21	-	1.08	31
MO	.157	-	-	-	-	.655	62.5	150.	185.	15.5	2.82	1.28	MO

- : lacune + : lacune due a une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/01 A 00H00
 MAXIMUM INSTANTANE : 556. M3/S LE 15/09 A 14H19

MINIMUM JOURNALIER : .000 M3/S LE 01/01
 MAXIMUM JOURNALIER : 843. M3/S LE 15/09

DEBITS MOYENS JOURNALIERE ANNEE 1985

STATION : 1474001009 PONT CFT
 RIVIERE : ANIE
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.44.00
 LONGIT. 1.12.00
 ALTIT. 149 M
 AIRE 3630 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	1.00	.360	.227	.160	1.77	.087	2.74	52.0	64.9	72.8	5.82	1.14	1
2	.953	.352	.227	.160	1.11	.084	2.61	35.5	54.8	45.6	5.78	1.07	2
3	.953	.334	.227	.160	.577	.075	2.50	24.2	46.2	32.7	5.67	1.00	3
4	.889	.333	.227	.160	.373	.075	2.39	22.6	52.3	42.9	5.66	.953	4
5	.869	.326	.227	.160	.293	.071	2.27	19.5	84.0	93.0	5.66	.933	5
6	.825	.308	.227	.160	.255	.062	2.16	17.6	137.	199.	5.62	.889	6
7	.805	.307	.227	.160	.253	3.90	2.04	17.9	74.2	119.	5.51	.869	7
8	.761	.299	.227	.154	.251	12.9	1.94	49.0	231.	68.4	5.50	.825	8
9	.741	.281	.227	.141	.229	12.3	1.86	37.7	299.	64.2	5.78	.823	9
10	.696	.280	.227	.140	.227	11.7	1.78	26.9	105.	54.2	6.27	.823	10
11	.694	.280	.219	.140	.227	10.9	1.70	20.4	81.0	39.9	5.95	.805	11
12	.676	.280	.201	.140	.225	9.92	1.62	13.0	123.	31.5	5.83	.761	12
13	.632	.280	.200	.140	.202	9.15	1.54	11.1	70.0	27.0	5.78	.759	13
14	.630	.280	.200	.140	.200	8.76	1.46	41.5	61.2	25.7	5.67	.759	14
15	.617	.272	.200	.140	.199	8.38	1.38	33.1	52.6	25.4	5.43	.759	15
16	.586	.254	.200	.140	.181	7.87	1.30	23.7	38.8	25.1	4.60	.741	16
17	.585	.253	.200	.134	.180	6.97	33.1	32.1	39.0	24.8	3.50	.696	17
18	.572	.253	.200	.121	.179	6.16	37.4	91.6	30.0	17.1	2.72	.694	18
19	.541	.253	.200	.120	.161	5.49	25.4	41.1	25.9	15.7	2.51	.694	19
20	.540	.253	.200	.120	.160	5.33	46.5	33.7	24.6	14.6	2.39	.694	20
21	.527	.253	.194	.120	.159	12.0	43.9	27.2	23.9	13.2	2.27	.676	21
22	.496	.253	.181	.120	.141	8.84	69.8	26.0	28.8	12.0	2.16	.632	22
23	.495	.253	.180	.108	.140	5.55	83.9	32.0	31.2	10.6	2.01	.630	23
24	.482	.253	.180	2.33	.139	4.86	34.3	56.6	24.6	9.07	1.77	.630	24
25	.451	.253	.180	2.02	.121	4.43	26.6	134.	24.8	8.18	1.62	.630	25
26	.450	.246	.180	1.89	.120	3.97	18.1	97.4	29.6	7.62	1.54	.617	26
27	.437	.228	.180	1.88	.119	3.50	15.9	92.2	76.3	7.13	1.46	.586	27
28	.406	.227	.174	1.88	.101	3.12	14.1	88.8	47.2	6.34	1.38	.585	28
29	.405	-	.161	1.81	.100	3.05	12.6	66.7	35.6	5.99	1.30	.585	29
30	.392	-	.160	1.80	.099	2.98	11.2	68.7	69.1	5.83	1.22	.585	30
31	.361	-	.160	-	.088	-	9.92	68.1	-	5.62	-	.585	31
MO	.627	.279	.201	.584	.277	5.75	16.6	45.2	69.6	36.5	3.94	.756	MO

- : lacune + : lacune due a une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE COMPLETE

MINIMUM INSTANTANE : .062 M3/S LE 05/05 A 06H00
 MAXIMUM INSTANTANE : 566. M3/S LE 08/09 A 23H44

MINIMUM JOURNALIER : .062 M3/S LE 05/05
 MAXIMUM JOURNALIER : 299. M3/S LE 09/09

DEBIT MOYEN ANNUEL : 15.0 M3/S

DEBITS MOYENS JOURNALIERS ANNEE 1987

STATION : 1474001009 PONT CFT LATIT. 7.44.00
 RIVIERE : ANIE LONGIT. 1.12.00
 PAYS : TOGO ALTIT. 149 M
 BASSIN : MONO AIRE 3630 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.094	4.62	2.89	157.	61.4	5.84	2.30	1
2	.000	.000	.000	.000	.000	.088	3.76	2.43	207.	56.4	5.20	2.30	2
3	.000	.000	.000	.000	.000	.087	3.20	37.2	364.	51.9	4.78	2.30	3
4	.000	.000	.000	.000	.000	.086	2.76	38.5	139.	46.9	4.61	2.30	4
5	.000	.000	.000	.000	.000	.129	2.22	29.9	285.	41.6	4.45	2.30	5
6	.000	.000	.000	.000	.000	.833	1.92	26.0	519.	16.2	4.35	2.29	6
7	.000	.000	.000	.000	.000	.736	1.69	25.6	151.	14.7	4.21	2.20	7
8	.000	.000	.000	.000	.000	.609	2.09	29.0	101.	36.4	4.06	2.19	8
9	.000	.000	.000	.000	.000	.477	8.69	30.5	87.1	36.0	3.90	2.19	9
10	.000	.000	.000	.000	.000	.352	6.17	26.2	-	33.7	3.74	2.19	10
11	.000	.000	.000	.000	.000	.269	3.87	39.5	-	75.2	3.58	2.19	11
12	.000	.000	.000	.000	.000	.193	3.01	40.3	166.	120.	3.56	2.19	12
13	.000	.000	.000	.000	.000	.133	3.81	76.8	103.	85.0	3.43	2.19	13
14	.000	.000	.000	.000	.000	.102	20.6	56.3	86.8	65.3	3.41	2.19	14
15	.000	.000	.000	.000	.000	.099	18.4	82.7	113.	51.2	3.27	2.18	15
16	.000	.000	.000	.000	.000	.088	16.6	44.2	151.	38.7	3.11	2.08	16
17	.000	.000	.000	.000	.000	.086	14.1	122.	133.	29.2	3.05	2.07	17
18	.000	.000	.000	.000	.000	.225	11.7	69.0	96.9	20.5	2.93	2.07	18
19	.000	.000	.000	.000	.000	1.96	9.86	51.9	85.1	17.1	2.77	2.07	19
20	.000	.000	.000	.000	.000	1.46	8.44	170.	84.1	15.7	2.76	2.07	20
21	.000	.000	.000	.000	.000	10.8	7.18	106.	89.2	14.1	2.75	2.06	21
22	.000	.000	.000	.000	.000	8.24	6.34	57.8	97.6	12.2	2.65	1.97	22
23	.000	.000	.000	.000	.000	5.47	5.52	71.2	146.	10.0	2.63	1.96	23
24	.000	.000	.000	.000	.000	4.53	4.72	63.3	124.	7.62	2.54	1.96	24
25	.000	.000	.000	.000	.000	3.75	4.07	462.	87.4	4.54	2.52	1.96	25
26	.000	.000	.000	.000	.000	3.59	3.44	244.	83.9	3.30	2.43	1.89	26
27	.000	.000	.000	.000	.000	9.17	3.05	138.	76.6	2.67	2.41	1.88	27
28	.000	.000	.000	.000	.000	6.65	4.58	95.2	73.0	2.72	2.31	1.88	28
29	.000	.000	.000	.000	.000	5.92	5.20	89.5	71.8	8.35	2.30	1.88	29
30	.000	.000	.000	.000	.000	5.35	4.23	176.	67.5	7.47	2.30	1.81	30
31	.000	.000	.000	.000	.026		3.45	89.5		6.51		1.80	31
MO	.000	.000	.000	.000	.000	2.39	6.43	83.7	-	32.0	3.40	2.09	MO

- : lacune + : lacune due à une cote hors barème
 en caracteres gras : données relatives au limnigraphe
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 01/01 A 00H00
 MAXIMUM INSTANTANE : 685. M3/S LE 06/09 A 08H24

MINIMUM JOURNALIER : .000 M3/S LE 01/01
 MAXIMUM JOURNALIER : 519. M3/S LE 06/09

AOU A AOU LOSSO

N° 1474001206

(Station abandonnée le 31.12.1984)

GENERALITES

- superficie du bassin versant.....: Km²
- coordonnées de la station: 08°40'N - 01°10'E
- cote du zero de l'échelle:
- amplitude de l'échelle:
- accès: Ancien pont route SOKODE-SOTOUBOUA
- date de création: 01.01.1980
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 14
- maximum jaugé: H = 79 CM
Q = 3.71 M³/S
date : 01.09.1982
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 01.01.1980 au 31.12.1984
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	00000	050	0.650
014	00000	056	1.010
023	0.010	064	1.590
026	0.023	070	2.180
030	0.050	078	3.470
034	0.120	082	4.500
040	0.265	086	5.700
046	0.460	200	40.00

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1474001206 AOU LOSSO

LATIT. 8.40.00

RIVIERE : AOU

LONGIT. 1.10.00

PAYS : TOGO

BASSIN : MOHO

DEBITS EN M3/S

ANNEE	JANV	FEVR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1980	-	.000	.001	.001	.003	.008	+	+	+	+	+	-	-
1981	-	.018	.005	.003	.011	.047	.324	+	+	.564	.021	-	-
1982	-	.000	.000	.661	.800	.043	.461	+	+	.279	.139	-	-
1983	.000	.000	.000	.005	.022	1.92	+	+	.625	.111	.002	.000	-
1984	.000	.000	.001	.011	.073	+	+	+	.704	.000	.000	-	-
MOY.	.000	.003	.001	.136	.182	.505	.393	-	.625	.415	.040	.000	-

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1474001206 AOU LOSSO
 RIVIERE : AOU
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.038	.056	.202	+	.203	.348	.008	.000	1
2	.000	.000	.000	.000	.032	.045	.186	9.57	.163	.217	.006	.000	2
3	.000	.000	.000	.000	.027	.032	.161	8.90	.236	.143	.005	.000	3
4	.000	.000	.000	.000	.021	.023	.986	8.80	.357	.242	.006	.000	4
5	.000	.000	.000	.000	.018	.017	1.29	7.62	.812	.208	.006	.000	5
6	.000	.000	.000	.000	.016	.020	1.16	7.36	.625	.205	.005	.000	6
7	.000	.000	.000	.000	.012	.443	1.49	10.9	.445	.181	.004	.000	7
8	.000	.000	.000	.000	.013	7.64	6.66	24.1	.337	.158	.004	.000	8
9	.000	.000	.000	.000	.010	8.43	4.03	21.7	.314	.176	.003	.000	9
10	.000	.000	.000	.000	.010	7.37	1.29	18.8	.578	.156	.002	.000	10
11	.000	.000	.000	.000	.011	6.53	1.44	+	2.60	.134	.001	.000	11
12	.000	.000	.000	.000	.008	5.25	9.09	+	.383	.113	.000	.000	12
13	.000	.000	.000	.000	.006	3.84	9.69	12.6	.384	.111	.000	.000	13
14	.000	.000	.000	.000	.005	3.05	8.67	1.34	.822	.117	.001	.000	14
15	.000	.000	.000	.000	.003	2.36	6.68	.608	.472	.121	.004	.000	15
16	.000	.000	.000	.000	.002	1.89	+	.387	.387	.105	.004	.000	16
17	.000	.000	.000	.000	.002	1.56	+	.133	.878	.097	.003	.000	17
18	.000	.000	.000	.001	.001	1.37	+	.263	.954	.090	.001	.000	18
19	.000	.000	.000	.017	.001	1.12	17.3	.391	.529	.075	.000	.000	19
20	.000	.000	.000	.016	.000	.842	26.0	.351	.349	.080	.000	.000	20
21	.000	.000	.000	.014	.000	.703	19.2	.375	.330	.061	.000	.000	21
22	.000	.000	.000	.012	.000	.555	+	.297	.951	.060	.000	.000	22
23	.000	.000	.000	.009	.003	.455	+	.209	.949	.055	.000	.000	23
24	.000	.000	.000	.008	.069	.631	+	.118	.677	.050	.000	.000	24
25	.000	.000	.000	.007	.067	.960	+	.101	1.51	.042	.000	.000	25
26	.000	.000	.000	.019	.052	.639	36.9	.158	1.10	.036	.000	.000	26
27	.000	.000	.000	.016	.045	.518	34.9	.699	.584	.027	.000	.000	27
28	.000	.000	.000	.023	.032	.479	30.3	1.34	.244	.016	.000	.000	28
29	.000	.000	.000	.008	.027	.431	24.1	1.20	.332	.010	.000	.000	29
30	.000	.000	.000	.008	.090	.220	+	1.13	.244	.008	.000	.000	30
31	.000	.000	.000	.069	.000	.000	+	.709	.007	.000	.000	.000	31
MO	.000	.000	.000	.005	.022	1.92	+	+	.625	.111	.002	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 2 JANV A 06H00
 MAXIMUM INSTANTANE : 40.0 M3/S LE 16 JUIL A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 3 JANV
 MAXIMUM JOURNALIER : 36.9 M3/S LE 26 JUIL

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1474001206 AOU LOSSO
 RIVIERE : AOU
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.001	.035	.078	+	.405	11.2	3.71	.006	.000	1
2	.000	.000	.000	.000	.023	.055	+	.208	2.97	2.57	.004	.000	2
3	.000	.000	.000	.000	.261	.041	8.10	.614	2.66	2.03	.003	.000	3
4	.000	.000	.000	.008	.231	.028	1.74	+	4.22	1.68	.001	.000	4
5	.000	.000	.000	.007	.181	.020	+	+	3.86	1.38	.000	.000	5
6	.000	.000	.000	.006	.134	.012	+	8.49	3.39	1.27	.000	.000	6
7	.000	.000	.000	.006	.145	.012	10.1	4.22	2.63	1.12	.000	.000	7
8	.000	.000	.000	.004	.166	.051	5.97	2.13	2.14	.878	.000	.000	8
9	.000	.000	.000	.003	.121	.041	1.26	1.57	3.63	.759	.000	.000	9
10	.000	.000	.000	.002	.102	.028	1.03	1.45	9.47	1.01	.000	.000	10
11	.000	.000	.000	.001	.120	.016	.816	1.27	8.16	.758	.000	.000	11
12	.000	.000	.000	.005	.102	.012	.485	1.77	6.65	.707	.000	.000	12
13	.000	.000	.000	.004	.058	.008	+	10.3	4.73	.630	.000	.000	13
14	.000	.000	.000	.003	.037	.006	+	5.42	3.08	.534	.000	.000	14
15	.000	.000	.000	.002	.035	.003	+	1.47	1.49	.468	.000	.000	15
16	.000	.000	.000	.002	.021	.002	9.78	1.09	+	.632	.000	.000	16
17	.000	.000	.000	.003	.012	.001	6.74	.957	+	.421	.000	.000	17
18	.000	.000	.000	.001	.009	.000	22.5	.977	+	.318	.000	.000	18
19	.000	.000	.000	.003	.008	.001	7.01	.835	+	.230	.000	.000	19
20	.000	.000	.000	.019	.003	.013	1.83	.737	39.2	.192	.000	.000	20
21	.000	.000	.011	.012	.009	.008	1.09	.640	34.8	.129	.000	.000	21
22	.000	.000	.010	.007	.076	.006	.749	1.00	35.1	.083	.000	.000	22
23	.000	.000	.007	.004	.046	.004	.516	.923	31.2	.061	.000	.000	23
24	.000	.000	.005	.011	.015	.011	.386	.776	26.9	.055	.000	.000	24
25	.000	.000	.004	.051	.012	.088	.167	.674	21.2	.051	.000	.000	25
26	.000	.000	.002	.037	.019	.228	.127	1.50	15.8	.058	.000	.000	26
27	.000	.000	.001	.025	.013	.184	.325	1.34	11.3	.037	.000	.000	27
28	.000	.000	.002	.024	.029	.129	.252	1.20	9.87	.021	.000	.000	28
29	.000	.000	.001	.043	.113	.030	.201	1.02	5.80	.014	.000	.000	29
30	.000	.000	.000	.020	.069	+	.354	+	2.85	.011	.000	.000	30
31	.000	.000	.000	.050	.000	.438	+	.014	.000	.000	.000	.000	31
MO	.000	.000	.001	.011	.073	+	+	+	+	.704	.000	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 40.0 M3/S LE 18 JUIL A 07H10

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 39.2 M3/S LE 20 SEPT

CHRA A WAHALA

N° 1474001505

GENERALITES

- superficie du bassin versant.....: 360 Km²
- coordonnées de la station: 07°10'N - 01°10'E
- cote du zero de l'échelle: 132 m. (IGN) environ
- amplitude de l'échelle: 0 à 5.00 m.
- accès: Pont de la route LOME-ATAKPAME à WAHALA
- date de création: 21.02.1963
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 58
- maximum jaugé: H = 222 CM
Q = 20.0 M³/S
date : 17.08.1985
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 01.01.1983 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-020	00000	110	5.300
023	00000	140	8.440
029	0.055	170	12.30
035	0.212	200	16.80
042	0.516	249	25.70
055	1.210	300	36.60
075	2.480	350	48.40
090	3.580	380	57.00

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1474001505 WAHALA (CHRA) LATIT. 7.10.00
 RIVIERE : CHRA LONGIT. 1.10.00
 PAYS : TOGO ALTIT. 132M
 BASSIN : MONO AIRE 360.000 KM2
 DEBITS EN M3/S

ANNEE	JANV	FEV	MARS	AVR	MAI	JUN	JUL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1963	-	-	-	-	-	1.68	-	11.3	12.0	14.2	3.04	.249	-
1964	.071	.000	.000	.023	.192	1.61	2.58	1.80	3.75	1.36	.123	.117	.969
1965	-	-	-	-	.042	2.19	7.26	10.1	3.85	1.24	.092	.000	-
1966	.000	.000	.000	.182	.000	.095	2.36	4.66	6.09	3.09	.139	.000	1.39
1967	.000	.000	.000	.511	.357	4.23	3.92	1.57	5.60	3.83	.200	.000	1.69
1968	.000	.000	.000	.044	.753	9.46	15.9	9.29	12.8	6.53	2.97	.334	4.84
1969	.131	.025	.067	.116	.119	.707	2.83	.227	.332	2.62	.597	.000	.648
1970	.000	.000	.000	-	-	.108	.000	.611	2.55	1.87	.078	.000	-
1971	.000	.000	.000	.000	.000	.000	.506	2.78	4.57	.627	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-	-
1973	.000	.000	.000	-	.002	.023	.227	1.55	1.92	.853	.172	-	-
1974	.004	.002	.008	.000	.010	.007	1.67	1.13	1.42	5.51	.228	-	-
1975	.000	.000	.000	.117	.444	.853	4.32	3.56	5.32	8.12	.215	.135	1.92
1976	.049	.000	.000	.000	.000	1.06	.070	.078	.022	4.84	.898	.035	.588
1977	.013	.000	.000	.000	.118	.331	.022	.013	1.77	5.82	.026	-	-
1978	.029	.000	.261	.415	.422	2.94	.846	.185	.169	.818	.290	.031	.534
1979	.071	.000	.000	.000	2.92	6.16	10.9	5.53	6.90	3.55	1.14	.140	3.11
1980	.031	.000	.000	.000	.000	.857	1.59	10.4	9.87	12.3	1.35	.107	3.04
1981	.019	.000	.000	.000	.000	.130	1.43	5.64	3.71	.991	.135	-	-
1982	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	-
1983	.000	.000	.000	.071	.000	-	.000	.000	.000	.029	.000	.000	-
1984	.000	.000	.000	.000	.116	.784	5.23	5.17	7.14	2.03	.014	-	-
1985	.000	.000	.000	.000	.000	.265	9.78	14.1	8.61	.593	.040	-	-
1986	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.043	.000	.003
1987	.000	.000	.001	.006	.000	.032	.341	8.13	10.9	2.10	.069	.000	1.80
MOY.	.019	.001	.015	.074	.250	1.46	3.12	4.08	4.55	3.46	.539	.071	1.71

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1983

STATION : 1474001505 WAHALA (CHRA) LATIT. 7.10.00
 RIVIERE : CHRA LONGIT. 1.10.00
 PAYS : TOGO ALTIT. 132M
 BASSIN : MONO AIRE 350.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	-	.000	.000	.000	.000	.000	.000	1
2	.000	.000	.000	.000	.000	-	.000	.000	.000	.000	.000	.000	2
3	.000	.000	.000	.000	.000	-	.000	.000	.000	.000	.000	.000	3
4	.000	.000	.000	.000	.000	-	.000	.000	.000	.000	.000	.000	4
5	.000	.000	.000	.000	.000	-	.000	.000	.000	.556	.000	.000	5
6	.000	.000	.000	.000	.000	-	.000	.000	.000	.336	.000	.000	6
7	.000	.000	.000	.000	.000	-	.000	.000	.000	.026	.000	.000	7
8	.000	.000	.000	.000	.000	-	.000	.000	.000	.000	.000	.000	8
9	.000	.000	.000	.010	.000	-	.000	.000	.000	.000	.000	.000	9
10	.000	.000	.000	.225	.000	-	.000	.000	.000	.000	.000	.000	10
11	.000	.000	.000	1.22	.000	-	.000	.000	.000	.000	.000	.000	11
12	.000	.000	.000	.491	.000	-	.000	.000	.000	.000	.000	.000	12
13	.000	.000	.000	.166	.000	-	.000	.000	.000	.000	.000	.000	13
14	.000	.000	.000	.022	.000	-	.000	.000	.000	.000	.000	.000	14
15	.000	.000	.000	.000	.000	-	.000	.000	.000	.000	.000	.000	15
16	.000	.000	.000	.000	.000	-	.000	.000	.000	.000	.000	.000	16
17	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	17
18	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	18
19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	19
20	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	24
25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	25
26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	26
27	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	27
28	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	28
29	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	30
31	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	31
MO	.000	.000	.000	.071	.000	-	.000	.000	.000	.029	.000	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 2.48 M3/S LE 11 AVRI A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 1.22 M3/S LE 11 AVRI

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1474001505 WAHALA (CHRA) LATIT. 7.10.00
 RIVIERE : CHRA LONGIT. 1.10.00
 PAYS : TOGO ALTIT. 132M
 BASSIN : MONO AIRE 350.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.254	2.64	8.14	1.15	17.2	.082	.000	1
2	.000	.000	.000	.000	.000	.148	5.95	35.2	.882	5.29	.081	.000	2
3	.000	.000	.000	.000	.000	.122	3.95	37.6	1.80	3.18	.067	.000	3
4	.000	.000	.000	.000	.000	.109	2.08	21.3	2.72	5.86	.050	.000	4
5	.000	.000	.000	.000	.000	.105	1.18	14.9	2.58	4.76	.045	.000	5
6	.000	.000	.000	.000	.000	.064	.756	4.99	1.23	2.35	.040	.000	6
7	.000	.000	.000	.000	.000	.027	.526	5.47	.730	2.11	.023	.000	7
8	.000	.000	.000	.000	.000	.005	.681	3.80	.501	2.07	.018	.000	8
9	.000	.000	.000	.000	.000	.000	1.34	2.30	.407	1.79	.013	.000	9
10	.000	.000	.000	.000	.000	.023	2.43	2.47	.297	1.56	.009	.000	10
11	.000	.000	.000	.000	.000	.087	1.55	2.07	.186	1.36	.008	.000	11
12	.000	.000	.000	.000	.000	.046	.985	1.49	.122	1.11	.000	.000	12
13	.000	.000	.000	.000	.000	.174	.874	1.32	.092	1.00	.000	-	13
14	.000	.000	.000	.000	.000	1.87	.677	1.36	.069	.861	.000	-	14
15	.000	.000	.000	.000	.229	1.26	1.10	1.22	.094	.709	.000	-	15
16	.000	.000	.000	.000	.250	.821	1.18	1.10	.430	1.14	.000	-	16
17	.000	.000	.000	.000	.097	.881	1.01	.938	6.11	1.89	.000	-	17
18	.000	.000	.000	.000	.027	1.11	4.78	.762	7.98	1.89	.000	-	18
19	.000	.000	.000	.000	.005	1.20	12.6	.699	3.07	1.62	.000	-	19
20	.000	.000	.000	.000	.000	3.48	19.1	.912	3.39	1.25	.000	-	20
21	.000	.000	.000	.000	.000	4.43	13.1	2.92	13.5	.910	.000	-	21
22	.000	.000	.000	.000	.000	3.13	4.13	1.99	47.9	.655	.000	-	22
23	.000	.000	.000	.000	.000	1.44	2.63	1.10	30.7	.542	.000	-	23
24	.000	.000	.000	.000	.000	.920	1.58	1.01	8.03	.472	.000	-	24
25	.000	.000	.000	.000	.000	.624	10.0	.784	3.75	.407	.000	-	25
26	.000	.000	.000	.000	.000	.450	13.7	.572	2.47	.320	.000	-	26
27	.000	.000	.000	.000	.411	.300	20.5	.447	4.17	.236	.000	-	27
28	.000	.000	.000	.000	.875	.199	20.5	.322	15.0	.197	.000	-	28
29	.000	.000	.000	.000	.724	.133	4.47	.490	21.4	.160	.000	-	29
30	.000	.000	.000	.000	.545	.084	3.39	1.50	33.7	.122	.000	-	30
31	.000	.000	.000	.425			2.93	1.21		.105	-	-	31
MO	.000	.000	.000	.000	.116	.784	5.23	5.17	7.14	2.03	.014	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 54.4 M3/S LE 22 SEPT A 17H30

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 47.9 M3/S LE 22 SEPT

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1985

STATION : 1474001505 WAHALA (CHRA) LATIT. 7.10.00
 RIVIERE : CHRA LONGIT. 1.10.00
 PAYS : TOGO ALTIT. 132M
 BASSIN : MONO AIRE 350.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.850	14.2	2.21	1.46	.026	.000	1
2	.000	.000	.000	.000	.000	.000	2.87	13.2	3.06	1.22	.018	.000	2
3	.000	.000	.000	.000	.000	.000	2.97	10.5	11.6	1.07	.018	.000	3
4	.000	.000	.000	.000	.000	.000	4.94	9.71	7.25	.961	.017	.000	4
5	.000	.000	.000	.000	.000	.000	3.22	25.9	10.7	.873	.009	.000	5
6	.000	.000	.000	.000	.000	.000	1.49	22.1	35.6	1.05	.004	.000	6
7	.000	.000	.000	.000	.000	.000	6.26	30.8	35.5	1.10	.001	.000	7
8	.000	.000	.000	.000	.000	.000	20.4	21.6	20.1	.946	.167	.000	8
9	.000	.000	.000	.000	.000	.000	26.9	9.30	11.7	.804	.358	.000	9
10	.000	.000	.000	.000	.000	.000	8.76	13.0	21.6	.656	.270	.000	10
11	.000	.000	.000	.000	.000	.000	12.6	18.0	8.26	.649	.123	.000	11
12	.000	.000	.000	.000	.000	.000	11.1	9.27	3.99	.619	.068	.000	12
13	.000	.000	.000	.000	.000	.264	5.20	5.00	3.73	.569	.041	.000	13
14	.000	.000	.000	.000	.000	.800	20.2	18.5	3.54	.516	.031	.000	14
15	.000	.000	.000	.000	.000	.717	21.4	18.3	7.19	.476	.018	.000	15
16	.000	.000	.000	.000	.000	.406	6.75	14.6	8.93	.548	.017	.000	16
17	.000	.000	.000	.000	.000	.205	3.20	18.8	3.59	.881	.005	.000	17
18	.000	.000	.000	.000	.000	.133	5.19	9.91	2.78	1.00	.000	.000	18
19	.000	.000	.000	.000	.000	.088	10.2	22.5	13.3	.846	.003	.000	19
20	.000	.000	.000	.000	.000	.159	26.6	18.1	11.6	.510	.000	-	20
21	.000	.000	.000	.000	.000	.342	17.1	5.23	9.52	.410	.000	-	21
22	.000	.000	.000	.000	.000	.422	5.12	3.20	5.50	.354	.000	-	22
23	.000	.000	.000	.000	.000	.301	2.48	2.53	3.08	.218	.000	-	23
24	.000	.000	.000	.000	.000	.273	1.89	2.77	2.28	.186	.000	-	24
25	.000	.000	.000	.000	.000	.371	1.65	27.6	2.05	.146	.000	-	25
26	.000	.000	.000	.000	.000	.296	1.45	40.4	2.53	.095	.000	-	26
27	.000	.000	.000	.000	.000	.291	1.91	15.2	2.13	.067	.000	-	27
28	.000	.000	.000	.000	.000	.969	3.58	5.92	1.70	.050	.000	-	28
29	.000	.000	.000	.000	.000	.981	11.7	5.62	1.72	.041	.000	-	29
30	.000	.000	.000	.000	.000	.926	33.4	3.47	1.71	.035	.000	-	30
31	.000	.000	.000	.000	.000		21.8	2.54		.020		-	31
MO	.000	.000	.000	.000	.000	.265	9.78	14.1	8.61	.593	.040	-	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 47.9 M3/S LE 25 AOUT A 05H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 40.4 M3/S LE 26 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1474001505 WAHALA (CHRA) LATIT. 7.10.00
 RIVIERE : CHRA LONGIT. 1.10.00
 PAYS : TOGO ALTIT. 132M
 BASSIN : MONO AIRE 350.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.109	.000	1
2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.349	.000	2
3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.277	.000	3
4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.200	.000	4
5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.147	.000	5
6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.094	.000	6
7	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.051	.000	7
8	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.036	.000	8
9	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.022	.000	9
10	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.000	10
11	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	11
12	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	12
13	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	13
14	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	14
15	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	15
16	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	16
17	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	17
18	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	18
19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	19
20	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	24
25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	25
26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	26
27	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	27
28	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	28
29	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	30
31	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	31
MO	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.043	.000	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : .386 M3/S LE 2 NOVE A 05H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : .349 M3/S LE 2 NOVE

DEBIT MOYEN ANNUEL : .003 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1474001505 WAHALA (CHRA)
 RIVIERE : CHRA
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.10.00
 LONGIT. 1.10.00
 ALTIT. 132M
 AIRE 360.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.010	.897	2.02	2.06	.376	.000	1
2	.000	.000	.000	.000	.000	.000	.000	.753	2.47	3.41	.319	.000	2
3	.000	.000	.000	.000	.000	.000	.000	4.01	20.7	4.13	.238	.000	3
4	.000	.000	.000	.000	.000	.000	.000	3.02	30.8	2.08	.181	.000	4
5	.000	.000	.000	.000	.000	.000	.000	1.29	5.90	1.58	.154	.000	5
6	.000	.000	.000	.000	.000	.000	.000	.906	11.4	1.20	.135	.000	6
7	.000	.000	.000	.000	.000	.000	.000	.527	8.79	1.91	.126	.000	7
8	.000	.000	.000	.000	.000	.000	.056	.447	3.48	1.69	.108	.000	8
9	.000	.000	.000	.000	.000	.001	.519	1.38	1.99	1.25	.100	.000	9
10	.000	.000	.000	.000	.000	.072	.075	8.93	1.61	1.64	.074	.000	10
11	.000	.000	.000	.000	.000	.024	.060	12.0	3.73	2.06	.053	.000	11
12	.000	.000	.000	.000	.000	.001	.517	3.19	21.2	2.31	.046	.000	12
13	.000	.000	.000	.000	.000	.000	.133	6.52	19.7	4.95	.043	.000	13
14	.000	.000	.000	.000	.000	.000	.093	9.06	4.22	2.83	.034	.000	14
15	.000	.000	.000	.000	.000	.000	.047	26.7	2.07	1.72	.027	.000	15
16	.000	.000	.000	.000	.000	.000	.046	14.3	1.86	2.27	.024	.000	16
17	.000	.000	.000	.000	.000	.000	.113	28.1	2.09	3.73	.016	.000	17
18	.000	.000	.000	.000	.000	.000	.397	27.6	2.42	6.26	.009	.000	18
19	.000	.000	.000	.030	.000	.000	1.78	6.94	2.93	2.17	.006	.000	19
20	.000	.000	.000	.175	.000	.000	.912	5.53	2.28	2.37	.000	.000	20
21	.000	.000	.000	.001	.000	.000	.737	4.09	11.8	2.13	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.431	2.68	45.3	1.91	.000	.000	22
23	.000	.000	.000	.000	.000	.021	.243	11.9	41.8	1.73	.000	.000	23
24	.000	.000	.000	.000	.000	.045	.137	18.0	12.2	1.17	.000	.000	24
25	.000	.000	.000	.000	.000	.001	.124	13.3	8.50	1.48	.000	.000	25
26	.000	.000	.000	.000	.000	.055	1.08	13.1	12.6	1.52	.000	.000	26
27	.000	.000	.000	.000	.000	.569	.887	7.76	9.51	1.12	.000	.000	27
28	.000	.000	.000	.000	.000	.077	.419	3.56	16.7	.835	.000	.000	28
29	.000	.000	.000	.000	.000	.012	.239	6.74	12.9	.626	.000	.000	29
30	.000	.000	.005	.000	.000	.090	.583	5.90	3.54	.519	.000	.000	30
31	.000	.000	.034	.000	.000	.000	.835	2.89	.000	.447	.000	.000	31
MO	.000	.000	.001	.006	.000	.032	.341	8.13	10.9	2.10	.069	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE' : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 52.7 M3/S LE 22 SEPT A 17H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 45.3 M3/S LE 22 SEPT

DEBIT MOYEN ANNUEL : 1.80 M3/S

GENERALITES

- superficie du bassin versant.....: 109 Km²
- coordonnées de la station: 08°58'N - 01°17'E
- cote du zero de l'échelle
- amplitude de l'échelle
- accès: Route SOKODE TCHAMBA
- date de création: 07.04.1957
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 64
- maximum jaugé: H = 76 CM
Q = 6.24 M³/S
date : 12.09.1969
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 01.12.1978 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
0050	00000	035	0.700
014	00000	038	0.900
016	0.010	041	1.200
018	0.037	045	1.680
020	0.070	050	2.390
023	0.150	050	4.020
026	0.250	070	5.900
030	0.420	400	67.90

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1474002003 KOLOWARE
RIVIERE : KOLOWARE
PAYS : TOGO
BASSIN : MOHO
DEBITS EN M³/S

LATIT. 8.58.00
LONGIT. 1.17.00
ALTIT. 330M
AIRE 109.000 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1957	-	-	-	-	.409	1.53	1.99	6.55	7.94	4.14	2.18	1.77	-
1958	1.07	.751	.658	.358	-	-	.486	.690	1.11	.896	.500	.728	-
1959	-	-	-	-	.085	.228	2.32	1.74	5.71	2.56	1.00	.527	-
1960	.383	-	-	-	-	-	1.99	5.69	11.2	4.13	1.38	.720	-
1961	.428	-	-	-	-	-	-	1.76	3.07	.939	.358	-	-
1962	-	-	-	-	-	-	1.72	6.95	6.15	4.87	1.40	.594	-
1963	.147	.133	.151	.133	.393	.885	5.23	11.9	10.3	5.34	1.96	.469	3.09
1964	.157	-	-	-	.068	.052	1.04	6.19	6.39	1.71	.557	-	-
1965	-	-	-	-	-	-	2.08	6.38	5.87	1.90	.583	-	-
1966	.113	.008	.000	.030	.231	.536	.768	2.71	4.67	2.41	.992	.346	1.07
1967	.087	.056	.029	.079	.153	.531	1.72	2.98	5.06	2.46	.933	.483	1.21
1968	.202	.026	.000	.043	.106	.271	1.17	2.32	5.17	2.41	.914	.317	1.08
1969	.060	.000	.000	.000	.000	.000	.616	5.18	6.31	3.50	1.34	.290	1.44
1970	.129	.022	.031	.000	.030	.063	.103	4.10	7.11	1.70	.369	.076	1.14
1971	.001	.000	.000	.000	.001	.003	.478	2.54	2.76	.975	.179	.038	.581
1972	.000	.000	.000	.000	.083	.303	.524	1.97	3.45	1.46	.664	.346	.733
1973	.136	.000	.000	.000	.037	.098	.302	.784	2.55	1.55	.345	-	-
1974	.000	.000	.000	.000	.014	.106	1.60	-	3.53	1.61	.644	.282	-
1975	.029	.000	.000	-	.299	.423	2.90	1.22	3.34	1.61	.376	-	-
1976	-	-	-	-	-	-	-	-	-	-	-	-	-
1977	-	-	-	-	-	-	-	-	-	-	-	-	-
1978	-	-	-	-	-	-	-	-	-	-	-	-	-
1979	1.19	.298	.000	.000	.000	.971	4.23	6.58	10.5	6.11	2.16	.889	2.74
1980	-	.083	.000	.000	.000	.023	.832	4.42	3.84	2.57	1.72	-	-
1981	.179	.000	.000	.075	.001	.399	1.60	5.14	3.37	1.13	.411	.045	1.03
1982	.000	.000	.000	.000	.000	.005	.649	.987	2.04	.599	.326	.015	.385
1983	.000	.000	.000	.000	.000	.122	.189	.161	.504	.042	.000	.000	.084
1984	.000	.000	.000	.000	.000	.000	.220	.244	2.66	.562	.004	.000	.308
1985	.000	.000	.000	.000	.000	.000	1.54	3.39	3.74	.821	.025	.000	.793
1986	.000	.000	.000	.000	.000	.000	.428	1.90	5.93	2.25	.037	.000	.879
1987	.000	.000	.000	.000	.000	.000	.000	1.87	2.47	.757	.000	.000	.425
MOY.	.187	.065	.041	.035	.083	.285	1.36	3.57	4.88	2.18	.760	.361	1.06

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1993

STATION : 1474002003 KOLOWARE LATIT. 8.58.00
 RIVIERE : KOLOWARE LONGIT. 1.17.00
 PAYS : TOGO ALTIT. 330M
 BASSIN : MONO AIRE 109.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.011	.246	.236	.189	.000	.000	1
2	.000	.000	.000	.000	.000	.000	.001	.221	.219	.176	.000	.000	2
3	.000	.000	.000	.000	.000	.000	.000	.221	.215	.131	.000	.000	3
4	.000	.000	.000	.000	.000	.000	.003	.242	.183	.123	.000	.000	4
5	.000	.000	.000	.000	.000	.000	.067	.217	.200	.126	.000	.000	5
6	.000	.000	.000	.000	.000	.000	.418	.187	.186	.147	.000	.000	6
7	.000	.000	.000	.000	.000	.000	.194	.183	.848	.140	.000	.000	7
8	.000	.000	.000	.000	.000	.000	.126	.179	5.35	.077	.000	.000	8
9	.000	.000	.000	.000	.000	.000	.114	.154	.434	.053	.000	.000	9
10	.000	.000	.000	.000	.000	.000	.060	.150	.396	.039	.000	.000	10
11	.000	.000	.000	.000	.000	.000	.037	.150	.332	.035	.000	.000	11
12	.000	.000	.000	.000	.000	.000	.025	.150	.253	.025	.000	.000	12
13	.000	.000	.000	.000	.000	.000	.021	.147	.226	.021	.000	.000	13
14	.000	.000	.000	.000	.000	.000	.019	.126	.322	.011	.000	.000	14
15	.000	.000	.000	.000	.000	.002	.060	.116	.255	.010	.000	.000	15
16	.000	.000	.000	.000	.000	.032	.052	.076	.250	.009	.000	.000	16
17	.000	.000	.000	.000	.000	.002	.469	.070	.248	.005	.000	.000	17
18	.000	.000	.000	.000	.000	.233	.583	.070	.217	.004	.000	.000	18
19	.000	.000	.000	.000	.000	2.68	.083	.082	.185	.000	.000	.000	19
20	.000	.000	.000	.000	.000	.376	.256	.275	.183	.000	.000	.000	20
21	.000	.000	.000	.000	.000	.127	.124	.167	.423	.000	.000	.000	21
22	.000	.000	.000	.000	.000	.048	.071	.123	2.13	.000	.000	.000	22
23	.000	.000	.000	.000	.000	.023	.346	.085	.397	.000	.000	.000	23
24	.000	.000	.000	.000	.000	.010	.109	.061	.274	.000	.000	.000	24
25	.000	.000	.000	.000	.000	.009	.186	.045	.234	.000	.000	.000	25
26	.000	.000	.000	.000	.000	.005	.713	.037	.200	.000	.000	.000	26
27	.000	.000	.000	.000	.000	.000	.395	.036	.183	.000	.000	.000	27
28	.000	.000	.000	.000	.000	.034	.357	.175	.169	.000	.000	.000	28
29	.000	.000	.000	.000	.000	.045	.314	.338	.167	.000	.000	.000	29
30	.000	.000	.000	.000	.000	.023	.351	.357	.197	.000	.000	.000	30
31	.000	.000	.000	.000	.000	.299	.291	.000	.000	.000	.000	.000	31
M0	.000	.000	.000	.000	.000	.122	.189	.161	.504	.042	.000	.000	M0

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 11.5 M3/S LE 8 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 5.35 M3/S LE 8 SEPT

DEBIT MOYEN ANNUEL : .094 M3/S

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1984

STATION : 1474002003 KOLOWARE LATIT. 8.58.00
 RIVIERE : KOLOWARE LONGIT. 1.17.00
 PAYS : TOGO ALTIT. 330M
 BASSIN : MONO AIRE 109.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.033	18.0	1.07	.038	.000	1
2	.000	.000	.000	.000	.000	.000	.082	.049	2.14	.869	.030	.000	2
3	.000	.000	.000	.000	.000	.000	.646	.043	1.70	.767	.023	.000	3
4	.000	.000	.000	.000	.000	.000	.037	.254	1.82	.750	.022	.000	4
5	.000	.000	.000	.000	.000	.000	.000	.089	3.89	1.64	.010	.000	5
6	.000	.000	.000	.000	.000	.000	.000	.290	7.33	1.06	.005	.000	6
7	.000	.000	.000	.000	.000	.000	.000	.101	1.17	1.55	.002	.000	7
8	.000	.000	.000	.000	.000	.000	.000	.045	.919	.951	.000	.000	8
9	.000	.000	.000	.000	.000	.000	.000	.023	.742	.762	.000	.000	9
10	.000	.000	.000	.000	.010	.000	.320	.010	.722	1.05	.000	.000	10
11	.000	.000	.000	.000	.001	.000	.195	.009	.564	.940	.000	.000	11
12	.000	.000	.000	.000	.000	.000	.042	.007	.428	.734	.000	.000	12
13	.000	.000	.000	.000	.000	.000	.011	.236	.513	.616	.000	.000	13
14	.000	.000	.000	.000	.000	.000	.034	.143	.564	.504	.000	.000	14
15	.000	.000	.000	.000	.000	.000	.060	.025	.449	.431	.000	.000	15
16	.000	.000	.000	.000	.000	.000	.509	.005	.394	.494	.000	.000	16
17	.000	.000	.000	.000	.000	.000	.215	.000	.730	.421	.000	.000	17
18	.000	.000	.000	.000	.000	.000	.099	.000	.480	.378	.000	.000	18
19	.000	.000	.000	.000	.000	.000	.295	.004	.381	.317	.000	.000	19
20	.000	.000	.000	.000	.000	.000	2.28	.069	1.24	.282	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.607	.451	6.85	.364	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.342	.152	.880	.293	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.236	.686	1.58	.234	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.198	.251	1.00	.185	.000	.000	24
25	.000	.000	.000	.000	.000	.000	.180	.415	.800	.181	.000	.000	25
26	.000	.000	.000	.000	.000	.000	.127	.380	.859	.152	.000	.000	26
27	.000	.000	.000	.000	.000	.000	.095	.236	1.57	.137	.000	.000	27
28	.000	.000	.000	.000	.000	.000	.063	.198	.947	.110	.000	.000	28
29	.000	.000	.000	.000	.000	.000	.045	.183	17.3	.082	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.033	.234	3.74	.054	.000	.000	30
31	.000	.000	.000	.000	.000	.050	2.93	.052	.000	.000	.000	.000	31
M0	.000	.000	.000	.000	.000	.000	.220	.244	2.66	.562	.004	.000	M0

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 37.8 M3/S LE 1 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 18.0 M3/S LE 1 SEPT

DEBIT MOYEN ANNUEL : .308 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1474002003 KOLOWARE
 RIVIERE : KOLOWARE
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 8.58.00
 LONGIT. 1.17.00
 ALTIT. 330M
 AIRE 109.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	2.12	1.72	2.09	.148	.000	1
2	.000	.000	.000	.000	.000	.000	.000	2.02	5.12	5.36	.123	.000	2
3	.000	.000	.000	.000	.000	.000	.000	1.49	13.4	2.11	.096	.000	3
4	.000	.000	.000	.000	.000	.000	.308	3.24	15.4	1.63	.071	.000	4
5	.000	.000	.000	.000	.000	.000	2.29	5.10	8.75	1.49	.061	.000	5
6	.000	.000	.000	.000	.000	.000	16.7	4.76	10.1	1.26	.052	.000	6
7	.000	.000	.000	.000	.000	.000	.928	2.80	6.16	1.05	.038	.000	7
8	.000	.000	.000	.000	.000	.000	.344	1.71	4.32	.906	.037	.000	8
9	.000	.000	.000	.000	.000	.000	.205	1.50	3.42	.896	.037	.000	9
10	.000	.000	.000	.000	.000	.000	2.30	1.26	3.23	.800	.030	.000	10
11	.000	.000	.000	.000	.000	.000	.794	1.06	2.46	.726	.023	.000	11
12	.000	.000	.000	.000	.000	.000	.261	.912	2.58	1.05	.016	.000	12
13	.000	.000	.000	.000	.000	.000	.470	6.88	1.99	.673	.010	.000	13
14	.000	.000	.000	.000	.000	.000	1.73	3.37	1.87	.564	.009	.000	14
15	.000	.000	.000	.000	.000	.000	.690	2.22	2.25	.529	.005	.000	15
16	.000	.000	.000	.000	.000	.000	1.63	2.74	1.52	.480	.000	.000	16
17	.000	.000	.000	.000	.000	.000	.970	9.31	1.31	.448	.000	.000	17
18	.000	.000	.000	.000	.000	.000	.819	2.78	1.58	.417	.000	.000	18
19	.000	.000	.000	.000	.000	.000	.806	7.57	1.68	.378	.000	.000	19
20	.000	.000	.000	.000	.000	.000	.694	2.85	2.91	.335	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.487	2.05	1.48	.296	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.458	1.70	1.16	.272	.000	.000	22
23	.000	.000	.000	.000	.000	.000	1.14	2.25	1.04	.248	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.799	1.72	1.51	.219	.000	.000	24
25	.000	.000	.000	.000	.000	.000	.462	8.57	6.11	.200	.000	.000	25
26	.000	.000	.000	.000	.000	.000	5.13	7.20	1.98	.183	.000	.000	26
27	.000	.000	.000	.000	.000	.000	2.40	3.15	1.62	.167	.000	.000	27
28	.000	.000	.000	.000	.000	.000	.603	5.42	1.98	.148	.000	.000	28
29	.000	.000	.000	.000	.000	.000	1.72	3.04	1.98	.135	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.819	2.40	1.55	.242	.000	.000	30
31	.000	.000	.000	.000	.000	.000	1.80	1.82	.169	.000	.000	.000	31
MO	.000	.000	.000	.000	.000	.000	1.54	3.39	3.74	.821	.025	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 36.0 M3/S LE 6 JUIL A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 16.7 M3/S LE 6 JUIL

DEBIT MOYEN ANNUEL : .793 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1474002003 KOLOWARE
 RIVIERE : KOLOWARE
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 8.58.00
 LONGIT. 1.17.00
 ALTIT. 330M
 AIRE 109.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	17.6	.679	4.97	.229	.000	1
2	.000	.000	.000	.000	.000	.000	.000	.544	.406	2.66	.272	.000	2
3	.000	.000	.000	.000	.000	.000	.000	.220	.359	3.20	.139	.000	3
4	.000	.000	.000	.000	.000	.000	.000	.139	1.35	14.3	.098	.000	4
5	.000	.000	.000	.000	.000	.000	.000	.108	23.7	11.8	.083	.000	5
6	.000	.000	.000	.000	.000	.000	.000	2.21	7.44	9.71	.070	.000	6
7	.000	.000	.000	.000	.000	.000	.000	16.2	6.30	4.44	.061	.000	7
8	.000	.000	.000	.000	.000	.000	.000	1.51	42.0	2.98	.045	.000	8
9	.000	.000	.000	.000	.000	.000	.000	.850	8.43	2.25	.037	.000	9
10	.000	.000	.000	.000	.000	.000	.000	.450	7.66	1.88	.037	.000	10
11	.000	.000	.000	.000	.000	.000	.000	.317	4.41	1.46	.030	.000	11
12	.000	.000	.000	.000	.000	.000	.000	.251	3.34	1.26	.016	.000	12
13	.000	.000	.000	.000	.000	.000	.000	.273	2.26	1.10	.007	.000	13
14	.000	.000	.000	.000	.000	.000	.000	.220	1.70	.917	.002	.000	14
15	.000	.000	.000	.000	.000	.000	.000	.152	1.44	.800	.000	.000	15
16	.000	.000	.000	.000	.000	.000	.251	.125	1.26	.706	.000	.000	16
17	.000	.000	.000	.000	.000	.000	1.76	.255	1.00	.616	.000	.000	17
18	.000	.000	.000	.000	.000	.000	.000	.165	.804	.560	.000	.000	18
19	.000	.000	.000	.000	.000	.000	.000	.234	.730	.532	.000	.000	19
20	.000	.000	.000	.000	.000	.000	.000	.166	.859	.501	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.906	.107	2.80	.403	.000	.000	21
22	.000	.000	.000	.000	.000	.000	6.59	.292	1.10	.375	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.214	1.08	.800	.335	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.000	.085	6.92	.648	.274	.000	24
25	.000	.000	.000	.000	.000	.000	.045	.478	1.13	.248	.000	.000	25
26	.000	.000	.000	.000	.000	.000	.017	.637	.739	.202	.000	.000	26
27	.000	.000	.000	.000	.000	.000	.009	1.67	.634	.205	.000	.000	27
28	.000	.000	.000	.000	.000	.000	.005	.770	2.80	.544	.000	.000	28
29	.000	.000	.000	.000	.000	.000	.000	.841	39.9	.242	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.000	3.71	11.3	.183	.000	.000	30
31	.000	.000	.000	.000	.000	.000	3.39	.545	.139	.000	.000	.000	31
MO	.000	.000	.000	.000	.000	.000	.428	1.90	5.93	2.25	.037	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 67.9 M3/S LE 8 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 42.0 M3/S LE 8 SEPT

DEBIT MOYEN ANNUEL : .379 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1474002003 KOLOWARE
 RIVIERE : KOLOWARE
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 8.58.00
 LONGIT. 1.17.00
 ALTIT. 330M
 AIRE 109.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.000	8.75	.191	.000	.000	1
2	.000	.000	.000	.000	.000	.000	.000	.000	17.0	.268	.000	.000	2
3	.000	.000	.000	.000	.000	.000	.000	.000	6.70	.141	.000	.000	3
4	.000	.000	.000	.000	.000	.000	.000	.000	3.79	.097	.000	.000	4
5	.000	.000	.000	.000	.000	.000	.000	.000	9.62	.076	.000	.000	5
6	.000	.000	.000	.000	.000	.000	.000	.000	3.75	.097	.000	.000	6
7	.000	.000	.000	.000	.000	.000	.000	.000	1.76	.045	.000	.000	7
8	.000	.000	.000	.000	.000	.000	.000	.000	1.38	.037	.000	.000	8
9	.000	.000	.000	.000	.000	.000	.000	.000	.925	.030	.000	.000	9
10	.000	.000	.000	.000	.000	.000	.000	.251	.734	.025	.000	.000	10
11	.000	.000	.000	.000	.000	.000	.000	2.37	.892	.403	.000	.000	11
12	.000	.000	.000	.000	.000	.000	.000	.718	3.00	2.88	.000	.000	12
13	.000	.000	.000	.000	.000	.000	.000	.494	.793	.072	.000	.000	13
14	.000	.000	.000	.000	.000	.000	.000	.292	6.74	2.00	.000	.000	14
15	.000	.000	.000	.000	.000	.000	.000	.309	1.81	15.4	.000	.000	15
16	.000	.000	.000	.000	.000	.000	.000	.640	.619	.459	.000	.000	16
17	.000	.000	.000	.000	.000	.000	.000	.763	.837	.331	.000	.000	17
18	.000	.000	.000	.000	.000	.000	.000	.317	.739	.236	.000	.000	18
19	.000	.000	.000	.000	.000	.000	.000	.251	.532	.168	.000	.000	19
20	.000	.000	.000	.000	.000	.000	.000	9.64	.553	.124	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.000	2.72	.511	.086	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.000	2.95	.421	.070	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.000	4.04	.378	.062	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.000	2.17	.317	.045	.000	.000	24
25	.000	.000	.000	.000	.000	.000	.000	4.74	.356	.036	.000	.000	25
26	.000	.000	.000	.000	.000	.000	.000	6.75	.490	.023	.000	.000	26
27	.000	.000	.000	.000	.000	.000	.000	7.87	.207	.011	.000	.000	27
28	.000	.000	.000	.000	.000	.000	.000	5.38	.167	.010	.000	.000	28
29	.000	.000	.000	.000	.000	.000	.000	2.25	.150	.009	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.000	1.48	.148	.003	.000	.000	30
31	.000	.000	.000	.000	.000	.000	.000	1.64	.000	.000	.000	.000	31
MO	.000	.000	.000	.000	.000	.000	.000	1.87	2.47	.757	.000	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 35.8 M3/S LE 2 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 17.0 M3/S LE 2 SEPT

DEBIT MOYEN ANNUEL : .425 M3/S

GENERALITES

- superficie du bassin versant.....: 97 km²
- coordonnées de la station: 08°57'N - 01.11'E
- cote du zero de l'échelle: 335 m. (IGN) environ
- amplitude de l'échelle: -0.50 à 5.00 m.
- accès: Pont de la route SOKODE-TCHAMBA
- date de création: 02.03.1957
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 91
- maximum jaugé: H = 100 CM
Q = 4.65 M³/S
date : 12.09.1969
- nombre de tarages entre 1983 et 1987: 1
- dernier étalonnage utilisé :
valide du 02.09.1980 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
-050	0.0000	052	1.200
000	0.0000	056	1.400
002	0.004	063	1.790
004	0.010	074	2.430
006	0.019	075	2.500
008	0.030	081	2.920
010	0.047	089	3.690
012	0.072	090	3.800
014	0.101	111	6.260
016	0.138	138	9.910
026	0.325	169	14.80
030	0.410	190	18.50
034	0.511	263	33.30
038	0.630	359	55.50
042	0.770	483	86.60
046	0.930	510	96.50

STATION : 1474002203 PARATAO
RIVIERE : NA
PAYS : TOGO
BASSIN : MONO
DEBITS EN M³/S

LATIT. 8.57.00
LONGIT. 1.11.00
ALTIT. 335M
AIRE 97.0000 KM2

ANNEE	JANU	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1957	-	-	-	-	-	-	1.10	5.12	5.30	3.41	1.11	1.26	-
1958	.311	.024	.049	.452	.686	1.26	.759	.979	3.97	1.20	.089	.362	.845
1959	.081	.001	.000	.000	.000	.074	1.55	.673	5.66	1.90	.196	.039	.848
1960	.010	.000	.082	.028	.083	2.45	.949	2.72	4.51	2.34	.380	.114	1.14
1961	.033	.000	.000	.000	.000	.287	1.55	.422	1.08	.398	.031	.000	.317
1962	-	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	.127	.286	4.13	8.07	6.27	4.15	1.43	.527	-
1964	.275	.089	.323	.218	.429	.410	2.38	3.22	6.37	1.38	.531	.231	1.32
1965	.180	.227	.020	.001	.194	.679	1.71	3.89	2.86	1.05	.274	1.126	.934
1966	.039	.002	.000	.399	.149	.556	.397	2.61	3.75	1.63	.507	.138	.848
1967	.035	.095	.114	-	.227	.435	1.76	3.47	8.54	2.89	.889	.575	-
1968	.194	.089	.024	.110	.098	.462	2.06	2.35	3.35	1.88	.725	.283	.969
1969	.140	.080	.106	.113	.214	.457	1.20	4.71	4.33	2.51	1.16	.344	1.28
1970	.188	.084	.064	.033	.209	.107	.241	5.36	5.29	1.48	.321	.118	1.13
1971	.047	.052	.056	.078	.666	.198	2.03	2.13	2.71	.971	.194	.095	.769
1972	.013	.002	.016	.131	.378	.448	.990	1.66	3.42	.711	.164	.045	.665
1973	.015	.000	.000	.000	.022	.214	.840	1.46	2.32	1.44	.199	.025	.545
1974	-	-	.000	.005	.051	.460	2.83	3.09	3.86	1.17	.315	.087	-
1975	.026	.012	.010	.080	.224	.389	2.12	1.81	2.52	1.37	.271	.109	.745
1976	.068	.032	.048	.060	.177	1.43	.827	1.52	1.45	3.37	1.46	.314	.896
1977	.158	.037	.005	.010	.026	.125	.285	1.02	3.95	1.12	.125	.054	.576
1978	.004	-	.059	.080	.145	.258	2.44	1.81	3.27	1.37	.560	-	-
1979	.049	.006	.003	.250	.128	2.26	1.57	2.49	4.43	2.23	.611	.146	1.18
1980	.056	.007	.002	.001	1.53	.150	.559	3.19	3.67	.955	.420	.123	.889
1981	.037	.004	-	.023	.048	.278	.376	2.19	2.25	.511	.140	-	-
1982	.002	.000	.000	-	.119	.028	.323	.614	1.59	.704	.182	.039	-
1983	.017	.001	.000	.084	.068	2.32	1.31	.456	.646	.292	.027	-	-
1984	.000	.000	.004	.237	.124	.452	.243	.300	.792	.412	-	-	-
1985	.000	.000	.000	.492	.157	1.50	2.80	1.95	2.10	1.13	1.44	-	-
1986	.000	.000	.000	.000	.000	.281	.664	1.48	4.33	1.89	.350	.015	.751
1987	.007	.000	.042	.000	.001	.478	.381	1.84	2.01	1.10	.143	.000	.500
MOY.	.073	.032	.038	.111	.217	.646	1.35	2.42	3.55	1.57	.491	.207	.857

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1474002203 PARATAO LATIT. 6.57.00
 RIVIERE : NA LONGIT. 1.11.00
 PAYS : TOGO ALTIT. 335M
 BASSIN : MONO AIRE 97.0000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.024	.007	.000	.000	.000	.060	.334	.804	.333	.406	.053	.009	1
2	.024	.007	.000	.178	.000	.420	.229	.689	.297	.421	.065	.013	2
3	.024	.006	.000	1.65	.000	5.39	.553	.709	.260	.952	.053	.010	3
4	.024	.004	.000	.260	.000	.558	.844	.759	.260	.498	.065	.007	4
5	.024	.004	.000	.088	.000	.051	2.28	.618	.267	.431	.048	.004	5
6	.023	.004	.000	.052	.000	.034	2.99	.563	.328	.516	.034	.007	6
7	.019	.004	.000	.016	.000	.037	.923	.593	.561	.473	.043	.009	7
8	.019	.004	.000	.014	.000	.021	1.09	.538	1.44	.423	.038	.006	8
9	.019	.003	.000	.014	.101	.018	1.27	.605	.707	.378	.032	.002	9
10	.019	.002	.000	.010	.834	.027	.926	.487	.507	.336	.035	-	10
11	.019	.002	.000	.010	.087	.047	1.80	.407	.448	.297	.026	-	11
12	.019	.002	.000	.008	.013	.081	1.20	.430	.389	.263	.027	-	12
13	.019	.001	.000	.006	.008	.480	1.18	.378	.336	.275	.021	-	13
14	.019	.000	.000	.004	.002	.252	1.82	.340	.436	.246	.023	-	14
15	.019	.000	.000	.003	.005	.205	1.42	.353	.458	.274	.021	-	15
16	.019	.000	.000	.002	.061	.238	2.27	.319	.317	.244	.027	-	16
17	.019	.000	.000	.000	.041	.132	5.32	.331	.456	.258	.019	-	17
18	.019	.000	.000	.000	.022	.882	1.02	.283	.380	.232	.015	-	18
19	.018	.000	.000	.000	.024	6.13	.383	.320	.337	.194	.018	-	19
20	.015	.000	.000	.000	.040	.672	.299	.577	.314	.171	.017	-	20
21	.014	.000	.000	.000	.201	.387	.499	.425	.610	.216	.011	-	21
22	.014	.000	.000	.000	.073	.304	.423	.328	4.64	.187	.014	-	22
23	.014	.000	.000	.000	.061	9.43	.907	.282	1.28	.201	.017	-	23
24	.014	.000	.000	.000	.249	6.02	3.41	.298	.948	.166	.011	-	24
25	.013	.000	.000	.000	.113	31.2	.589	.326	.753	.168	.014	-	25
26	.010	.000	.000	.000	.038	1.38	.460	.351	.533	.152	.017	-	26
27	.010	.000	.000	.000	.027	.714	.746	.297	.450	.197	.011	-	27
28	.010	.000	.000	.000	.017	.631	1.90	.377	.400	.162	.013	-	28
29	.010	.000	.000	.000	.014	1.76	1.31	.533	.376	.136	.011	-	29
30	.009	.000	.000	.000	.016	1.96	1.22	.458	.560	.102	.016	-	30
31	.007	.000	.000	.070		1.12	.360		.072			-	31
MO	.017	.001	.000	.084	.068	2.32	1.31	.456	.646	.292	.027	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 14 FEVR A 12H00
 MAXIMUM INSTANTANE : 54.6 M3/S LE 25 JUIN A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 15 FEVR
 MAXIMUM JOURNALIER : 31.2 M3/S LE 25 JUIN

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1474002203 PARATAO LATIT. 8.57.00
 RIVIERE : NA LONGIT. 1.11.00
 PAYS : TOGO ALTIT. 335M
 BASSIN : MONO AIRE 97.0000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	1.07	.013	.277	.365	.403	1.28	.201	-	1
2	.000	.000	.000	.000	.381	.007	.168	.209	.292	.810	.174	.006	2
3	.000	.000	.000	.000	.125	.028	.392	.148	.240	.654	.248	.011	3
4	.000	.000	.000	.000	.064	.011	.198	.185	.598	.503	.176	.006	4
5	.000	.000	.000	.000	.031	.006	.071	.129	.302	.372	.201	.007	5
6	.000	.000	.000	.000	.101	.013	.027	.252	.266	.279	.227	.003	6
7	.000	.000	.000	.000	.057	.150	.039	.107	.815	.179	.189	.005	7
8	.000	.000	.000	.000	.027	.759	.431	.324	.758	.098	.200	.011	8
9	.000	.000	.000	.000	.018	5.47	.302	.148	.648	.072	.171	.006	9
10	.000	.000	.000	.000	.029	.225	.188	.130	.544	.497	.198	.007	10
11	.000	.000	.000	.000	.017	.053	.262	.114	.437	.683	.158	.004	11
12	.000	.000	.000	.000	.008	.035	.071	.230	.329	1.00	.111	.011	12
13	.000	.000	.000	.000	.005	.184	.081	1.98	.404	.507	.075	.005	13
14	.000	.000	.000	.000	.028	.078	.638	.464	.833	.302	.138	.019	14
15	.000	.000	.000	.000	.034	.034	.226	.165	.656	.188	.105	.027	15
16	.000	.000	.000	.000	.193	.065	.139	.075	.480	.146	.060	.017	16
17	.000	.000	.000	.000	.089	.080	.467	.427	.391	.554	.034	.008	17
18	.000	.000	.000	.000	.071	.046	.677	.475	.330	.397	.023	.004	18
19	.000	.000	.000	.000	.042	.225	.298	.399	.171	.318	.040	.011	19
20	.000	.000	.000	.000	.035	.271	.142	.237	.135	.631	.031	.005	20
21	.000	.000	.000	.000	.236	.211	.071	.162	.301	.569	.068	.005	21
22	.000	.000	.000	.009	.150	.148	.093	.162	.199	.442	.043	.005	22
23	.000	.000	.000	5.00	.069	.068	.222	.394	.130	.369	.030	.002	23
24	.000	.000	.081	1.25	.030	.058	.126	.285	.504	.317	.071	.002	24
25	.000	.000	.037	.193	.087	.436	.107	.195	.315	.279	.117	.011	25
26	.000	.000	.012	.033	.037	.340	.084	.114	.252	.242	.028	.005	26
27	.000	.000	.003	.011	.043	.373	.204	.057	.201	.210	.033	.004	27
28	.000	.000	.000	.028	.385	.678	.230	.025	5.29	.253	-	.006	28
29	.000	.000	.000	.254	.232	2.24	.209	.063	5.06	.223	-	.004	29
30	.000	.000	.000	.319	.107	1.26	.433	.722	2.47	.189	-	.011	30
31	.000	.000	.000	.038		.669	.547		.202			.005	31
MO	.000	.000	.004	.237	.124	.452	.243	.300	.792	.412	-	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 11.8 M3/S LE 23 AVRI A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 5.47 M3/S LE 9 JUIN

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1474002203 PARATAO LATIT. 8.57.00
 RIVIERE : NA LONGIT. 1.11.00
 PAYS : TOGO ALTIT. 335M
 BASSIN : MONO AIRE 97.0000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.008	.000	.000	.340	2.59	.093	21.1	2.78	12.0	1.70	2.21	-	1
2	.002	.000	.000	.132	.556	.050	9.44	.850	3.84	1.16	1.92	-	2
3	.002	.000	.000	.061	.354	.020	4.85	.471	1.73	1.62	1.47	-	3
4	.000	.000	.000	.034	.224	.010	2.54	.356	1.47	1.92	1.03	-	4
5	.000	.000	.000	.017	.123	.031	.881	.236	2.26	3.05	.597	-	5
6	.000	.000	.000	.008	.061	.019	1.46	.167	2.19	2.57	.685	-	6
7	.000	.000	.000	.028	.081	.008	.626	.192	1.62	2.37	1.67	-	7
8	.000	.000	.000	.014	.064	.006	.399	1.17	1.88	2.18	2.16	-	8
9	.000	.000	.000	.005	.044	.031	.289	.746	1.93	2.07	2.93	-	9
10	.000	.000	.000	.002	.020	.022	.487	2.04	1.82	1.63	4.13	-	10
11	.000	.000	.000	.051	.110	.012	2.52	1.65	1.34	1.61	3.37	-	11
12	.000	.000	.000	.648	.111	.005	2.21	3.70	1.12	1.49	2.80	-	12
13	.000	.000	.000	.442	.054	.002	1.33	1.20	2.97	1.29	2.54	-	13
14	.000	.000	.000	.361	.028	.002	.667	2.51	2.64	1.07	2.47	-	14
15	.000	.000	.000	.323	.014	.014	.560	1.85	2.02	.938	2.14	-	15
16	.000	.000	.000	.253	.005	.094	.553	.658	1.66	.709	1.86	-	16
17	.000	.000	.000	.203	.031	.050	.880	1.44	1.20	.542	1.57	-	17
18	.000	.000	.000	.141	.022	.028	.450	1.13	.848	.418	1.35	-	18
19	.000	.000	.000	.087	.012	.013	.297	.544	.611	.338	1.16	-	19
20	.000	.000	.000	.044	.005	.007	.243	1.08	.577	.252	1.00	-	20
21	.000	.000	.000	.044	.002	.028	.807	2.10	2.15	.177	.832	-	21
22	.000	.000	.000	.247	.019	.014	.670	3.52	1.82	.168	.687	-	22
23	.000	.000	.000	.194	.191	.007	.559	11.9	1.93	1.11	.603	-	23
24	.000	.000	.000	.149	.078	.034	1.36	5.08	1.76	.983	.526	-	24
25	.000	.000	.000	.465	.013	.062	1.19	2.13	1.60	.814	.439	-	25
26	.000	.000	.000	.389	.005	2.67	2.45	1.62	1.39	.669	.358	-	26
27	.000	.000	.000	.266	.002	28.9	16.8	3.80	1.16	.558	.281	-	27
28	.000	.000	.000	.201	.007	8.48	6.48	1.20	1.60	.533	.233	-	28
29	.000	.000	.000	.707	.004	2.22	1.94	.809	1.99	.383	.188	-	29
30	.000	.000	.000	8.89	.004	2.07	1.54	1.18	1.83	.289	.088	-	30
31	.000	.000	.000	.018	.000	.000	1.16	2.40	.000	.350	.000	-	31
MO	.000	.000	.000	.492	.157	1.50	2.80	1.95	2.10	1.13	1.44	-	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 2 JANV A 16H00
 MAXIMUM INSTANTANE : 45.3 M3/S LE 27 JUIN A 07H00

MINIMUM JOURNALIER : .000 M3/S LE 5 JANV
 MAXIMUM JOURNALIER : 28.9 M3/S LE 27 JUIN

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1474002203 PARATAO LATIT. 8.57.00
 RIVIERE : NA LONGIT. 1.11.00
 PAYS : TOGO ALTIT. 335M
 BASSIN : MONO AIRE 97.0000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.637	.963	1.16	2.81	.835	.038	1
2	.000	.000	.000	.000	.000	.000	.491	.609	1.74	4.08	.669	.036	2
3	.000	.000	.000	.000	.000	.000	.390	.438	2.88	9.83	.544	.030	3
4	.000	.000	.000	.000	.000	.000	.291	.320	9.54	3.97	.439	.028	4
5	.000	.000	.000	.000	.000	.000	.312	.297	22.5	3.08	.379	.024	5
6	.000	.000	.000	.000	.000	.300	1.65	.271	2.94	7.23	.337	.024	6
7	.000	.000	.000	.000	.000	.957	1.36	.226	1.63	2.71	.321	.024	7
8	.000	.000	.000	.000	.000	.234	.478	.855	6.83	2.26	.567	.023	8
9	.000	.000	.000	.000	.000	.062	.212	.521	33.2	1.87	.401	.019	9
10	.000	.000	.000	.000	.000	.028	.179	.401	7.32	1.66	.500	.019	10
11	.000	.000	.000	.000	.000	.013	1.64	.337	4.05	1.54	.448	.019	11
12	.000	.000	.000	.000	.000	.021	1.42	.271	2.49	1.41	.413	.019	12
13	.000	.000	.000	.000	.000	.030	3.54	.263	1.73	1.21	.806	.017	13
14	.000	.000	.000	.000	.000	.061	.923	1.15	1.05	1.05	.720	.014	14
15	.000	.000	.000	.000	.000	.043	.576	.945	2.00	.913	.619	.014	15
16	.000	.000	.000	.000	.000	.034	1.82	.740	1.29	.762	.539	.014	16
17	.000	.000	.000	.000	.000	.022	.456	.575	.769	.633	.385	.013	17
18	.000	.000	.000	.000	.000	.013	.429	.442	.956	.528	.299	.010	18
19	.000	.000	.000	.000	.000	.020	.253	.501	1.14	.468	.260	.010	19
20	.000	.000	.000	.000	.000	.087	.151	.437	1.95	.791	.223	.010	20
21	.000	.000	.000	.000	.000	1.08	.767	.368	1.68	.687	.185	.009	21
22	.000	.000	.000	.000	.000	.863	.438	.298	1.41	.617	.148	.007	22
23	.000	.000	.000	.000	.000	.736	.163	.314	1.23	.557	.111	.007	23
24	.000	.000	.000	.000	.000	.604	.505	1.32	1.07	.500	.080	.007	24
25	.000	.000	.000	.000	.000	.489	.400	3.17	.928	.449	.054	.007	25
26	.000	.000	.000	.000	.000	.393	.310	19.6	1.74	.431	.047	.006	26
27	.000	.000	.000	.000	.000	.325	.234	3.65	1.93	.876	.046	.004	27
28	.000	.000	.000	.000	.000	.286	.185	3.70	2.41	1.73	.039	.004	28
29	.000	.000	.000	.000	.000	.929	.147	1.24	6.73	1.56	.038	.004	29
30	.000	.000	.000	.000	.000	.794	.094	.913	3.59	1.24	.031	.003	30
31	.000	.000	.000	.000	.000	.122	.661	.000	1.03	.000	.002	.000	31
MO	.000	.000	.000	.000	.000	.281	.664	1.48	4.33	1.89	.350	.015	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 59.6 M3/S LE 9 SEPT A 07H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 33.2 M3/S LE 9 SEPT

DEBIT MOYEN ANNUEL : .751 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1967

STATION : 1474002203 PARATAO
 RIVIERE : NA
 FAYS : T060
 BASSIN : MONG
 DEBITS EN M3/S

LATIT. 8.57.00
 LONGIT. 1.11.00
 ALTIT. 335M
 AIRE 57.0000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.059	.000	.000	.000	.000	.000	.157	1.65	1.77	2.36	.440	.000	1
2	.034	.000	.000	.000	.000	.000	.110	.801	1.22	2.14	.358	.000	2
3	.022	.000	.000	.000	.000	.000	.270	.386	2.23	1.86	.311	.000	3
4	.012	.000	.000	.000	.000	.000	.233	1.10	1.45	1.68	.558	.000	4
5	.005	.000	.000	.000	.000	.033	.159	2.96	4.53	1.46	.516	.000	5
6	.002	.000	.000	.000	.000	.105	.094	1.29	2.45	1.24	.435	.000	6
7	.032	.000	.000	.000	.000	.072	.060	.794	2.03	.788	.331	.000	7
8	.011	.000	.000	.000	.000	.040	.033	.609	1.76	.559	.279	.000	8
9	.005	.000	.000	.000	.000	.170	.107	.418	1.59	.440	.233	.000	9
10	.020	.000	.000	.000	.000	.111	.043	.257	1.36	.339	.176	.000	10
11	.012	.000	.000	.000	.000	.050	.102	.270	1.05	.351	.113	.000	11
12	.005	.000	.000	.000	.000	.025	.077	1.68	.899	1.72	.080	.000	12
13	.002	.000	.000	.000	.000	.012	.394	1.12	2.95	1.70	.054	.000	13
14	.003	.000	.000	.000	.000	.160	.440	.390	2.75	1.44	.034	.000	14
15	.018	.000	.000	.000	.000	2.19	.331	.652	2.39	1.76	.028	.000	15
16	.005	.000	.000	.000	.000	2.03	.233	2.95	2.14	2.04	.118	.000	16
17	.003	.000	.000	.000	.000	1.73	.158	1.69	1.91	1.74	.082	.000	17
18	.002	.000	.000	.000	.000	1.38	.088	1.34	1.60	1.52	.054	.000	18
19	.000	.000	.000	.000	.000	1.16	.096	1.02	1.31	1.30	.034	.000	19
20	.000	.000	.197	.000	.000	.978	.790	.715	1.60	1.05	.022	.000	20
21	.000	.000	.623	.000	.000	.848	.337	.961	1.73	.894	.012	.000	21
22	.000	.000	.279	.000	.000	.701	.214	4.64	2.21	.722	.005	.000	22
23	.000	.000	.127	.000	.000	.571	.226	1.19	2.14	.574	.002	.000	23
24	.000	.000	.043	.000	.000	.460	1.90	2.82	1.77	.463	.002	.000	24
25	.000	.000	.024	.000	.010	.340	.738	1.93	1.05	.352	.002	.000	25
26	.000	.000	.007	.000	.024	.268	.372	2.05	.754	.277	.002	.000	26
27	.000	.000	.000	.000	.003	.204	.288	12.2	1.08	.253	.001	.000	27
28	.000	.000	.000	.000	.000	.232	.213	1.62	2.44	.885	.000	.000	28
29	.000	.000	.000	.000	.000	.247	.369	1.54	5.34	.795	.000	.000	29
30	.000	.000	.000	.000	.000	.227	.485	4.48	2.86	.585	.000	.000	30
31	.000	.000	.000	.000	.000	.000	2.68	1.37	.000	.572	.000	.000	31
MO	.007	.000	.042	.000	.001	.478	.381	1.84	2.01	1.10	.143	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 16 JANV A 07H00
 MAXIMUM INSTANTANE : 12.2 M3/S LE 27 AOUT A 07H00

MINIMUM JOURNALIER : .000 M3/S LE 20 JANV
 MAXIMUM JOURNALIER : 12.2 M3/S LE 27 AOUT

DEBIT MOYEN ANNUEL : .500 M3/S

OGOU A GOUBI

N° 1474002503

DEBITS MOYENS MENSUELS ET ANNUELS

GENERALITES

- superficie du bassin versant.....: km^2
- coordonnées de la station: 08°37'N - 01°26'E
- cote du zero de l'échelle:
- amplitude de l'échelle:
- accès:
- date de création: . 1979
- cadence des relevés: 1 relevé par jour

TARAGE

- nombre de jaugeages au 31.12.87: 19
- maximum jaugé: H = 196-195 CM
Q = 23.2 m^3/s
date : 28.08.1980
- nombre de tarages entre 1983 et 1987: 02
- dernier étalonnage utilisé :
valide du 02.09.1982 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en m^3/s	hauteur en CM	débit en m^3/s
000	0.000	090	3.700
028	0.000	100	4.530
030	0.004	110	5.500
032	0.014	116	6.230
034	0.040	122	7.200
036	0.093	130	8.680
038	0.173	150	12.20
040	0.284	170	16.10
044	0.510	200	21.60
052	0.990	230	27.40
060	1.500	350	50.60
070	2.190	550	89.30
080	2.900		

STATION : 1474002503 GOUBI

RIVIERE : OGOU

PAYS : TOGO

BASSIN : MOMO

DEBITS EN m^3/s

ANNEE	JANV	FEV	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOV	DECE	ANNUEL
1981	.000	.000	.000	.000	.004	.007	.137	2.18	3.62	.498	-	-	-
1982	.000	.000	.000	.020	.013	.004	-	9.29	8.08	-	-	-	-
1983	.000	.000	.000	-	-	-	.439	-	-	.617	-	.000	-
1984	.000	.000	.000	.000	.000	.000	.000	.081	5.76	6.47	.009	.000	1.03
1985	.000	.000	.000	.000	.000	-	-	10.5	18.1	3.99	.029	-	-
1986	.000	.000	.000	.000	.000	.000	.197	-	11.0	-	.257	.000	-
1987	.000	.000	.000	.000	.000	.000	.000	22.7	20.5	1.38	.088	-	-
MOY.	.000	.000	.000	.003	.002	.002	.155	8.95	11.2	2.59	.095	.000	1.03

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1474002503 GOUBI
RIVIERE : OGOU
PAYS : TOGO
BASSIN : MONO
DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	-	.000	.000	1.17	2.65	.348	.000	.000	1
2	.000	.000	.000	.000	-	.000	.000	.518	2.35	.277	.000	.000	2
3	.000	.000	.000	.000	2.25	.000	.000	.533	1.83	.170	.000	.000	3
4	.000	.000	.000	.000	1.94	.000	.001	.780	1.56	.052	.000	.000	4
5	.000	.000	.000	.000	2.75	.000	.010	.870	1.33	.231	.000	.000	5
6	.000	.000	.000	.000	-	.000	.003	.938	1.18	1.58	-	.000	6
7	.000	.000	.000	.000	-	.000	.000	.983	1.06	1.93	-	.000	7
8	.000	.000	.000	.000	.975	.000	.000	.653	.983	1.79	.000	.000	8
9	.000	.000	.000	.000	.863	.000	.000	.405	.870	1.64	.000	.000	9
10	.000	.000	.000	.000	.683	.000	.000	.230	.758	1.51	.000	.000	10
11	.000	.000	.000	.000	.476	.000	.000	.095	.683	1.43	.000	.000	11
12	.000	.000	.000	.000	.397	.000	.000	.158	.578	1.31	.000	.000	12
13	.000	.000	.000	.000	.369	.000	.000	.378	.503	1.17	.000	.000	13
14	.000	.000	.000	.000	.461	.000	.000	.541	.404	1.01	.000	.000	14
15	.000	.000	.000	.000	.279	.000	.000	.818	.362	.923	.000	.000	15
16	.000	.000	.000	.000	.047	.000	.000	.788	.639	.788	.000	.000	16
17	.000	.000	.000	.000	.008	.000	.056	.571	1.83	.570	.000	.000	17
18	.000	.000	.000	.000	.002	.000	.383	.344	1.86	.653	.000	.000	18
19	.000	.000	.000	.000	-	.000	.348	.505	1.62	.563	.000	.000	19
20	.000	.000	.000	.000	-	.000	.342	2.57	1.04	.405	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.624	3.05	1.28	.291	.000	.000	21
22	.000	.000	.000	.000	-	-	.571	3.15	1.11	.229	.000	.000	22
23	.000	.000	.000	.000	-	-	.461	3.31	.826	.167	.000	.000	23
24	.000	.000	.000	.000	.000	-	.390	3.44	.653	.073	.000	.000	24
25	.000	.000	.000	.000	.000	-	.274	3.15	-	.019	.000	.000	25
26	.000	.000	.000	.000	.000	-	.414	3.68	-	.004	.000	.000	26
27	.000	.000	.000	.000	.000	-	2.16	-	.683	.000	.000	.000	27
28	.000	.000	.000	.000	.000	-	2.30	4.56	.630	.000	.000	.000	28
29	.000	.000	.000	-	.000	-	2.00	3.59	.563	.000	.000	.000	29
30	.000	.000	.000	-	.000	-	1.77	3.23	.454	.000	.000	.000	30
31	.000	.000	.000	.000	.000	-	1.50	3.03	.000	.000	.000	.000	31
MO	.000	.000	.000	-	-	-	.439	-	-	.617	-	.000	MO

- : lacune + : lacune due à une cote hors barème
ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
MAXIMUM INSTANTANE : 4.72 M3/S LE 28 AOUT A 00H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
MAXIMUM JOURNALIER : 4.56 M3/S LE 28 AOUT

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1474002503 GOUBI
RIVIERE : OGOU
PAYS : TOGO
BASSIN : MONO
DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.000	1.40	40.1	.126	.000	1
2	.000	.000	.000	.000	.000	.000	.000	.000	1.28	38.9	.068	.000	2
3	.000	.000	.000	.000	.000	.000	.000	.000	1.73	25.3	.041	.000	3
4	.000	.000	.000	.000	.000	.000	.000	.000	3.72	20.2	.024	.000	4
5	.000	.000	.000	.000	.000	.000	.000	.008	3.28	19.2	.007	.000	5
6	.000	.000	.000	.000	.000	.000	.000	.167	3.71	17.9	.003	.000	6
7	.000	.000	.000	.000	.000	.000	.000	.511	3.62	6.30	.002	.000	7
8	.000	.000	.000	.000	.000	.000	.000	.217	3.47	3.30	.000	.000	8
9	.000	.000	.000	.000	.000	.000	.000	.059	2.56	3.15	.000	.000	9
10	.000	.000	.000	.000	.000	.000	.000	.010	2.14	2.86	.000	.000	10
11	.000	.000	.000	.000	.000	.000	.000	.000	1.90	2.28	.000	.000	11
12	.000	.000	.000	.000	.000	.000	.000	.000	1.50	2.18	.000	.000	12
13	.000	.000	.000	.000	.000	.000	.000	.013	1.01	2.12	.000	.000	13
14	.000	.000	.000	.000	.000	.000	.000	.053	1.31	2.06	.000	.000	14
15	.000	.000	.000	.000	.000	.000	.000	.029	1.07	1.97	.000	.000	15
16	.000	.000	.000	.000	.000	.000	.000	.006	.656	1.69	.000	.000	16
17	.000	.000	.000	.000	.000	.000	.000	.001	2.17	1.40	.000	.000	17
18	.000	.000	.000	.000	.000	.000	.000	.000	2.27	1.23	.000	.000	18
19	.000	.000	.000	.000	.000	.000	.000	.000	2.02	1.13	.000	.000	19
20	.000	.000	.000	.000	.000	.000	.000	.003	2.46	1.05	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.000	.002	2.50	.988	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.000	.001	3.25	.922	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.000	.000	4.06	.862	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.000	.000	5.79	.770	.000	.000	24
25	.000	.000	.000	.000	.000	.000	.000	.000	7.79	.621	.000	.000	25
26	.000	.000	.000	.000	.000	.000	.000	.000	5.44	.515	.000	.000	26
27	.000	.000	.000	.000	.000	.000	.000	.000	6.41	.456	.000	.000	27
28	.000	.000	.000	.000	.000	.000	.000	.000	16.6	.383	.000	.000	28
29	.000	.000	.000	.000	.000	.000	.000	.127	37.7	.293	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.000	.840	39.8	.177	.000	.000	30
31	.000	.000	.000	.000	.000	.000	.000	.471	.138	.000	.000	.000	31
MO	.000	.000	.000	.000	.000	.000	.000	.081	5.76	6.47	.009	.000	MO

- : lacune + : lacune due à une cote hors barème
ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
MAXIMUM INSTANTANE : 40.2 M3/S LE 1 OCTO A 16H20

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
MAXIMUM JOURNALIER : 40.1 M3/S LE 1 OCTO

DEBIT MOYEN ANNUEL : 1.03 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1988

STATION : 147400503 60UB1
 RIVIERE : OGOU
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J	
1	.000	.000	.000	.000	.000	.000	-	2.00	12.9	11.8	.290	.000	1	
2	.000	.000	.000	.000	.000	.000	.000	1.73	21.6	9.53	.215	.000	2	
3	.000	.000	.000	.000	.000	.000	.000	1.80	38.9	9.06	.135	.000	3	
4	.000	.000	.000	.000	.000	.000	.000	3.10	26.0	12.9	.091	.000	4	
5	.000	.000	.000	.000	.000	.000	.000	2.85	20.7	11.3	.067	.000	5	
6	.000	.000	.000	.000	.000	.000	.000	4.24	36.0	9.21	.040	.000	6	
7	.000	.000	.000	.000	.000	.000	.000	14.6	42.2	7.53	.017	.000	7	
8	.000	.000	.000	.000	.000	.000	.000	17.1	37.7	7.03	.009	.000	8	
9	.000	.000	.000	.000	.000	.000	.000	16.1	42.0	6.64	.004	.000	9	
10	.000	.000	.000	.000	.000	.000	.000	14.5	28.2	5.39	.002	.000	10	
11	.000	.000	.000	.000	.000	.000	.000	7.11	26.1	3.75	.001	.000	11	
12	.000	.000	.000	.000	.000	.000	.000	5.88	16.7	3.28	.000	.000	12	
13	.000	.000	.000	.000	.000	.000	.000	8.63	18.9	2.74	.000	-	13	
14	.000	.000	.000	.000	.000	.000	.000	9.33	12.9	2.67	.000	-	14	
15	.000	.000	.000	.000	.000	.000	.000	3.16	10.7	2.62	.000	-	15	
16	.000	.000	.000	.000	.000	.000	.000	8.37	9.42	2.55	.000	-	16	
17	.000	.000	.000	.000	.000	.000	.000	13.2	6.91	2.29	.000	-	17	
18	.000	.000	.000	.000	.000	.000	.000	15.8	5.52	1.99	.000	-	18	
19	.000	.000	.000	.000	.000	.000	.000	2.04	15.7	7.39	1.69	.000	-	19
20	.000	.000	.000	.000	.000	.000	.000	1.12	10.0	6.87	1.49	.000	-	20
21	.000	.000	.000	.000	.000	.000	.000	3.29	11.5	6.00	1.36	.000	-	21
22	.000	.000	.000	.000	.000	.000	.000	4.47	8.79	5.15	1.25	.000	-	22
23	.000	.000	.000	.000	.000	.000	.000	1.45	7.60	3.95	1.11	.000	-	23
24	.000	.000	.000	.000	.000	.000	.000	1.21	6.05	4.79	.855	.000	-	24
25	.000	.000	.000	.000	.000	.000	.000	.851	4.24	9.83	.700	.000	-	25
26	.000	.000	.000	.000	.000	.000	.000	.558	9.38	20.6	.638	.000	-	26
27	.000	.000	.000	.000	.000	.000	.000	.441	27.2	16.8	.577	.000	-	27
28	.000	.000	.000	.000	.000	.000	.000	.571	23.1	15.1	.507	.000	-	28
29	.000	.000	.000	.000	.000	-	.457	24.3	13.1	.458	.000	-	29	
30	.000	.000	.000	.000	.000	-	.600	15.6	12.3	.390	.000	-	30	
31	.000	.000	.000	.000	.000	.000	1.02	13.1	.341	.000	-	-	31	
MO	.000	.000	.000	.000	.000	-	-	10.5	18.1	3.99	.029	-	MO	

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 47.2 M3/S LE 9 SEPT A 07H15

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 42.2 M3/S LE 7 SEPT

DEBITS MOYENS JOURNALIERS-ANNEE 1988

STATION : 147400503 60UB1
 RIVIERE : OGOU
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.206	5.52	2.42	1.35	.000	1
2	.000	.000	.000	.000	.000	.000	.000	.482	7.40	2.28	1.30	.000	2
3	.000	.000	.000	.000	.000	.000	.000	.041	10.0	2.59	1.15	.000	3
4	.000	.000	.000	.000	.000	.000	.000	.004	13.6	13.5	.848	.000	4
5	.000	.000	.000	.000	.000	.000	.000	.001	16.2	41.4	.703	.000	5
6	.000	.000	.000	.000	.000	.000	.000	.054	20.0	47.7	.543	.000	6
7	.000	.000	.000	.000	.000	.000	.000	.176	26.7	37.2	.442	.000	7
8	.000	.000	.000	.000	.000	.000	.000	.050	31.1	35.6	.367	.000	8
9	.000	.000	.000	.000	.000	.000	.000	.024	40.5	34.3	.272	.000	9
10	.000	.000	.000	.000	.000	.000	.000	.013	35.6	30.8	.215	.000	10
11	.000	.000	.000	.000	.000	.000	.000	.007	19.9	23.2	.164	.000	11
12	.000	.000	.000	.000	.000	.000	.000	.003	13.9	14.8	.134	.000	12
13	.000	.000	.000	.000	.000	.000	.000	.001	12.1	8.51	.114	.000	13
14	.000	.000	.000	.000	.000	.000	.000	.000	11.1	5.30	.061	.000	14
15	.000	.000	.000	.000	.000	.000	.422	.000	10.1	4.26	.033	.000	15
16	.000	.000	.000	.000	.000	.000	1.33	.422	8.94	3.73	.013	.000	16
17	.000	.000	.000	.000	.000	.000	.880	1.55	7.51	3.21	.007	.000	17
18	.000	.000	.000	.000	.000	.000	.313	1.78	6.19	2.79	.004	.000	18
19	.000	.000	.000	.000	.000	.000	.032	1.55	4.77	2.31	.003	.000	19
20	.000	.000	.000	.000	.000	.000	.029	1.32	3.79	1.87	.002	.000	20
21	.000	.000	.000	.000	.000	.000	.781	-	3.19	-	.001	.000	21
22	.000	.000	.000	.000	.000	.000	1.77	-	2.83	-	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.133	-	2.73	1.12	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.021	-	2.41	-	.000	.000	24
25	.000	.000	.000	.000	.000	.000	.004	-	2.41	-	.000	.000	25
26	.000	.000	.000	.000	.000	.000	.001	-	2.41	.752	.000	.000	26
27	.000	.000	.000	.000	.000	.000	.000	-	2.19	.693	.000	.000	27
28	.000	.000	.000	.000	.000	.000	.000	-	2.23	-	.000	.000	28
29	.000	.000	.000	.000	.000	.000	.000	-	2.16	-	.000	.000	29
30	.000	.000	.000	.000	.000	.000	.112	-	2.22	-	.000	.000	30
31	.000	.000	.000	.000	.000	.000	.273	-	-	-	.000	.000	31
MO	.000	.000	.000	.000	.000	.000	.197	-	11.0	-	.257	.000	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 52.5 M3/S LE 6 OCTO A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 47.7 M3/S LE 6 OCTO

DEBITS MOYENS JOURNALIERS-ANNEE 1987

STATION : 1474002503 GOUBI

RIVIERE : OGOU

PAYS : TOGO

BASSIN : MONO

DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.000	65.9	2.54	.493	.000	1
2	.000	.000	.000	.000	.000	.000	.000	.000	57.5	2.46	.409	.000	2
3	.000	.000	.000	.000	.000	.000	.000	.000	47.8	2.41	.349	.000	3
4	.000	.000	.000	.000	.000	.000	.000	.000	45.0	2.39	.334	.000	4
5	.000	.000	.000	.000	.000	.000	.000	.000	43.2	2.33	.290	.000	5
6	.000	.000	.000	.000	.000	.000	.000	.000	39.8	2.21	.223	.000	6
7	.000	.000	.000	.000	.000	.000	.000	.000	38.6	2.10	.172	.000	7
8	.000	.000	.000	.000	.000	.000	.000	.000	37.8	1.76	.134	.000	8
9	.000	.000	.000	.000	.000	.000	.000	.000	35.7	1.56	.092	.000	9
10	.000	.000	.000	.000	.000	.000	.000	.000	34.7	1.66	.067	.000	10
11	.000	.000	.000	.000	.000	.000	.000	.000	31.6	1.55	.042	.000	11
12	.000	.000	.000	.000	.000	.000	.000	.000	26.6	1.68	.027	.000	12
13	.000	.000	.000	.000	.000	.000	.000	.000	25.0	1.65	.013	.000	13
14	.000	.000	.000	.000	.000	.000	.000	.000	17.6	1.58	.008	.000	14
15	.000	.000	.000	.000	.000	.000	.000	.000	11.8	1.45	.003	.000	15
16	.000	.000	.000	.000	.000	.000	.000	.000	5.25	1.37	.001	.000	16
17	.000	.000	.000	.000	.000	.000	.000	.000	4.09	1.31	.000	.000	17
18	.000	.000	.000	.000	.000	.000	.000	3.64	3.79	1.25	.000	.000	18
19	.000	.000	.000	.000	.000	.000	.000	15.2	3.80	1.12	.000	.000	19
20	.000	.000	.000	.000	.000	.000	.000	18.2	4.31	1.06	.000	.000	20
21	.000	.000	.000	.000	.000	.000	.000	15.7	4.37	1.00	.000	.000	21
22	.000	.000	.000	.000	.000	.000	.000	33.9	4.21	.982	.000	.000	22
23	.000	.000	.000	.000	.000	.000	.000	48.0	4.10	.751	.000	.000	23
24	.000	.000	.000	.000	.000	.000	.000	56.8	3.87	.325	.000	.000	24
25	.000	.000	.000	.000	.000	.000	.000	60.4	3.65	.366	.000	.000	25
26	.000	.000	.000	.000	.000	.000	.000	66.7	3.46	.748	.000	.000	26
27	.000	.000	.000	.000	.000	.000	.000	72.8	3.20	.755	.000	.000	27
28	.000	.000	.000	.000	.000	.000	.000	77.6	2.93	.650	.000	.000	28
29	.000		.000	.000	.000	.000	.000	78.5	2.72	.676	.000	.000	29
30	.000		.000	.000	.000	.000	.000	79.1	2.61	.631	.000	.000	30
31	.000		.000		.000		.000	77.7		.574		-	31
MD	.000	.000	.000	.000	.000	.000	.000	22.7	20.5	1.38	.088	-	MO

- : lacune + : lacune due à une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00

MAXIMUM INSTANTANE : 79.4 M3/S LE 31 AOUT A 13H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV

MAXIMUM JOURNALIER : 79.1 M3/S LE 30 AOUT

GENERALITES

- superficie du bassin versant.....: 4.035 Km²
- coordonnées de la station: 07°55'N - 01°22'E
- cote du zero de l'échelle: 172 m. (IGN) environ
- amplitude de l'échelle: 0 à 7.00 m.
- accès: Piste ELAVAGNON-SIRKA
- date de création: 15.12.1956
- cadence des relevés: 1 à 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 27
- maximum jaugé: H = 409 CM
Q = 130 M³/S
date : 10.09.1964
- nombre de tarages entre 1983 et 1987: 2
- dernier étalonnage utilisé :
valide du 21.09.1983 au 31.12.1987
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	0.000	080	1.900
028	0.000	090	3.750
030	0.005	100	6.400
032	0.011	170	25.80
035	0.025	208	37.00
039	0.052	256	54.30
044	0.100	290	68.60
049	0.172	362	104.0
055	0.305	410	131.0
061	0.505	484	179.0
068	0.817	530	212.0
075	1.290	644	305.0
		750	405.0

REMARQUE

- Pas de données pour 1987.

STATION : 1474002505 SIRKA
 RIVIERE : OGOU
 PAYS : TOGO
 BASSIN : MOHO
 DEBITS EN M³/S

LATIT. 7.55.00
 LONGIT. 1.22.00
 ALTIT. 172M
 AIRE 4035.00 KM2

ANNEE	JANV	FEBR	MARS	AVRIL	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1957	-	.000	.000	.000	-	23.4	66.8	112.	155.	97.3	25.7	4.69	-
1958	.156	.005	.000	.000	.666	16.0	8.80	.000	4.19	4.20	.123	.007	2.85
1959	.000	.000	.603	.039	.927	.016	4.97	14.6	46.6	40.6	3.04	.067	9.29
1960	.000	.000	.000	.354	1.76	3.39	24.4	75.2	119.	-	9.27	-	-
1961	.042	.000	.000	.000	.000	.003	10.8	17.5	23.4	15.0	.121	.000	5.57
1962	.000	.000	.000	.000	.000	25.9	32.1	87.4	96.8	76.9	14.2	.920	27.9
1963	.012	.000	.000	.000	.000	.000	44.0	121.	145.	140.	22.9	1.08	39.5
1964	.054	.003	.000	.000	.000	.000	14.5	-	116.	18.6	1.46	.081	-
1965	.002	.000	.000	.014	.001	4.50	60.9	97.9	80.5	24.7	.003	.017	22.5
1966	.000	.000	.000	.000	.064	1.87	15.6	95.5	94.8	24.5	3.14	.086	19.6
1967	.002	.000	.000	.000	.000	.344	11.6	69.5	103.	37.6	4.23	.551	18.9
1968	.104	.000	.000	.000	.021	1.54	55.7	106.	134.	48.4	5.97	.369	29.3
1969	.050	.000	.000	.031	.000	.188	9.20	29.1	107.	40.2	11.7	.384	16.5
1970	.008	.000	.241	.004	.052	.042	1.12	44.0	190.	43.0	2.23	.217	23.4
1971	-	.000	.000	.000	.064	.210	9.76	46.8	55.6	12.5	.320	.012	-
1972	.000	.000	.000	.410	2.24	7.12	4.80	6.42	21.1	6.67	.491	.004	4.11
1973	.000	.000	.000	-	.000	.010	1.96	34.4	35.2	29.9	1.20	.004	-
1974	.000	.000	.000	.000	.000	.000	-	-	108.	-	1.96	.082	-
1975	.003	.000	.000	.019	.000	.005	21.6	45.5	41.5	33.9	.930	.022	12.0
1976	.000	.000	.000	.000	-	1.96	10.0	15.1	3.25	16.1	7.24	.151	-
1977	.000	.000	.000	.000	.000	.002	.221	13.9	51.8	33.8	1.38	.105	8.43
1978	.000	.000	.000	.329	.256	1.78	12.3	11.4	30.1	26.8	8.93	.253	7.68
1979	-	.000	.000	-	.000	.116	19.7	80.7	117.	35.5	5.11	.407	-
1980	.034	.000	.000	.000	.000	2.33	3.24	45.4	99.1	53.7	14.2	.421	18.2
1981	-	.000	.000	.000	.128	.085	.832	15.8	31.1	3.66	.043	.000	-
1982	.000	.000	.000	.026	.692	.018	.000	9.94	20.4	1.92	.093	-	-
1983	.000	.000	.000	.000	.000	1.92	1.49	.193	.938	.065	.000	.000	.384
1984	.000	.000	.000	.136	.288	.170	4.93	1.49	29.0	20.0	.075	.000	4.67
1985	.000	.000	.000	.000	.000	.664	38.4	148.	123.	26.5	.846	.021	28.1
1986	.000	.000	.000	.000	.013	.000	2.81	3.48	25.9	19.4	1.53	.036	4.43
MOY.	.018	.000	.028	.049	.256	3.12	17.0	48.2	73.6	33.3	4.98	.357	15.2

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1474002505 SIRKA
 RIVIERE : 060U
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.55.00
 LONGIT. 1.22.00
 ALTIT. 172M
 AIRE 4035.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.090	.249	.222	.614	.000	.000	1
2	.000	.000	.000	.000	.000	.090	.060	.153	.332	.487	.000	.000	2
3	.000	.000	.000	.000	.000	.795	.041	.118	.260	.247	.000	.000	3
4	.000	.000	.000	.000	.000	.075	.123	.092	.752	.156	.000	.000	4
5	.000	.000	.000	.000	.000	.002	1.27	.108	1.30	.105	.000	.000	5
6	.000	.000	.000	.000	.000	.000	8.58	.108	1.38	.118	.000	.000	6
7	.000	.000	.000	.000	.000	.000	2.42	.130	1.16	.081	.000	.000	7
8	.000	.000	.000	.000	.000	.000	1.00	.092	1.12	.057	.000	.000	8
9	.000	.000	.000	.000	.000	.000	.540	.058	1.76	.044	.000	.000	9
10	.000	.000	.000	.000	.000	.000	.388	.108	1.40	.024	.000	.000	10
11	.000	.000	.000	.000	.000	.000	.352	.551	1.08	.025	.000	.000	11
12	.000	.000	.000	.000	.000	1.19	.287	.451	1.07	.018	.000	.000	12
13	.000	.000	.000	.000	.000	27.2	.271	.358	.911	.015	.000	.000	13
14	.000	.000	.000	.000	.000	11.3	1.05	.286	.843	.011	.000	.000	14
15	.000	.000	.000	.000	.000	2.24	1.14	.225	.640	.006	.000	.000	15
16	.000	.000	.000	.000	.000	.810	.734	.124	.881	.003	.000	.000	16
17	.000	.000	.000	.000	.000	3.81	10.5	.118	1.50	.002	.000	.000	17
18	.000	.000	.000	.000	.000	5.58	9.29	.134	1.54	.000	.000	.000	18
19	.000	.000	.000	.000	.000	1.12	2.38	.156	1.25	.000	.000	.000	19
20	.000	.000	.000	.000	.000	.465	1.47	.166	1.53	.000	.000	.000	20
21	.000	.000	.000	.000	.000	.339	.936	.172	.933	.000	.000	.000	21
22	.000	.000	.000	.000	.000	.222	.588	.157	.664	.000	.000	.000	22
23	.000	.000	.000	.000	.000	.161	.491	.140	.572	.000	.000	.000	23
24	.000	.000	.000	.000	.000	.083	.390	.112	.517	.000	.000	.000	24
25	.000	.000	.000	.000	.000	.219	.330	.111	.852	.000	.000	.000	25
26	.000	.000	.000	.000	.000	.790	.272	.451	.802	.000	.000	.000	26
27	.000	.000	.000	.000	.000	.486	.201	.428	.792	.000	.000	.000	27
28	.000	.000	.000	.000	.000	.359	.218	.198	.728	.000	.000	.000	28
29	.000	.000	.000	.000	.000	.197	.201	.152	.686	.000	.000	.000	29
30	.000	.000	.000	.000	.000	.127	.172	.144	.661	.000	.000	.000	30
31	.000	.000	.000	.000	.000	.252	.130	.000	.000	.000	.000	.000	31
MO	.000	.000	.000	.000	.000	1.92	1.49	.193	.938	.065	.000	.000	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 41.3 M3/S LE 13 JUIN A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 27.2 M3/S LE 13 JUIN

DEBIT MOYEN ANNUEL : .384 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1474002505 SIRKA
 RIVIERE : 060U
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.55.00
 LONGIT. 1.22.00
 ALTIT. 172M
 AIRE 4035.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.001	.015	.013	4.76	.295	56.4	.485	.000	1
2	.000	.000	.000	.000	.000	.020	.020	2.91	2.92	52.7	.343	.000	2
3	.000	.000	.000	.000	.000	.021	.067	3.66	27.4	71.5	.280	.000	3
4	.000	.000	.000	.000	.764	.027	.189	3.24	30.7	67.8	.228	.000	4
5	.000	.000	.000	.000	6.28	.020	.680	2.19	21.0	43.7	.201	.000	5
6	.000	.000	.000	.000	.618	.017	.422	1.83	19.4	36.0	.129	.000	6
7	.000	.000	.000	2.26	.056	.624	.159	1.47	19.6	32.4	.083	.000	7
8	.000	.000	.000	.730	.010	3.50	.101	1.30	26.1	30.2	.082	.000	8
9	.000	.000	.000	.070	.021	.130	.133	1.47	27.7	28.0	.057	.000	9
10	.000	.000	.000	.015	.015	.043	.352	3.97	20.7	26.5	.045	.000	10
11	.000	.000	.000	.027	.127	.025	.279	5.41	16.3	22.8	.045	.000	11
12	.000	.000	.000	.002	.068	.020	.218	4.02	14.2	18.9	.051	.000	12
13	.000	.000	.000	.000	.056	.016	.181	2.44	11.2	17.5	.042	.000	13
14	.000	.000	.000	.000	.347	.013	1.11	1.11	9.31	17.3	.038	.000	14
15	.000	.000	.000	.000	.168	.011	2.78	.825	9.81	15.0	.035	.000	15
16	.000	.000	.000	.000	.037	.049	3.50	.755	8.32	13.8	.031	.000	16
17	.000	.000	.000	.000	.020	.109	4.60	.740	10.0	14.2	.022	.000	17
18	.000	.000	.000	.000	.015	.047	16.9	.617	16.1	12.6	.017	.000	18
19	.000	.000	.000	.000	.011	.041	16.9	.533	25.1	10.6	.013	.000	19
20	.000	.000	.000	.000	.011	.042	14.5	.561	30.0	6.97	.009	.000	20
21	.000	.000	.000	.000	.011	.048	14.1	.451	24.5	5.68	.007	.000	21
22	.000	.000	.000	.000	.042	.043	8.68	.275	20.9	4.16	.000	.000	22
23	.000	.000	.000	.000	.115	.048	8.19	.210	21.2	3.36	.000	.000	23
24	.000	.000	.000	.000	.034	.034	13.8	.214	27.1	2.63	.000	.000	24
25	.000	.000	.000	.331	.015	.025	13.2	.221	45.7	1.94	.000	.000	25
26	.000	.000	.000	.176	.008	.020	9.44	.267	53.1	1.57	.000	.000	26
27	.000	.000	.000	.244	.012	.022	6.70	.215	85.1	1.72	.000	.000	27
28	.000	.000	.000	.121	.011	.024	5.14	.172	99.4	1.25	.000	.000	28
29	.000	.000	.000	.062	.011	.020	3.97	.150	82.1	1.01	.000	.000	29
30	.000	.000	.000	.036	.015	.017	3.48	.122	65.8	.775	.000	.000	30
31	.000	.000	.000	.017	.000	.000	2.95	.173	.632	.000	.000	.000	31
MO	.000	.000	.000	.136	.288	.170	4.93	1.49	29.0	20.0	.075	.000	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 124. M3/S LE 28 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 99.4 M3/S LE 28 SEPT

DEBIT MOYEN ANNUEL : 4.57 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1995

STATION : 1474002505 SIRKA
 RIVIERE : OGOU
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.55.00
 LONGIT. 1.22.00
 ALTIT. 172M
 AIRE 4035.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	49.1	126.	144.	65.1	3.08	.166	1
2	.000	.000	.000	.000	.000	.000	12.4	72.7	150.	59.7	3.02	.107	2
3	.000	.000	.000	.000	.000	.000	46.5	91.6	207.	53.6	1.74	.070	3
4	.000	.000	.000	.000	.000	.000	35.5	111.	186.	53.8	1.16	.055	4
5	.000	.000	.000	.000	.000	.000	44.2	116.	165.	47.6	.948	.060	5
6	.000	.000	.000	.000	.000	.000	23.8	126.	168.	52.3	.771	.042	6
7	.000	.000	.000	.000	.000	.000	34.0	97.2	163.	48.5	.682	.038	7
8	.000	.000	.000	.000	.000	.000	27.5	78.9	133.	39.3	.615	.028	8
9	.000	.000	.000	.000	.000	.000	20.6	61.8	164.	34.7	.529	.024	9
10	.000	.000	.000	.000	.000	.000	20.3	68.6	150.	30.8	.488	.020	10
11	.000	.000	.000	.000	.000	.000	25.7	79.1	126.	29.3	.452	.016	11
12	.000	.000	.000	.000	.000	.000	19.9	104.	102.	40.5	.404	.013	12
13	.000	.000	.000	.000	.000	.000	19.8	100.	104.	42.1	.354	.009	13
14	.000	.000	.000	.000	.000	.000	53.5	115.	142.	32.2	.282	.006	14
15	.000	.000	.000	.000	.000	.000	52.4	136.	314.	26.6	.232	.005	15
16	.000	.000	.000	.000	.000	.000	31.0	124.	166.	24.2	.255	.004	16
17	.000	.000	.000	.000	.000	.000	20.4	119.	95.8	21.1	.207	.002	17
18	.000	.000	.000	.000	.000	.000	18.6	110.	87.5	19.0	.183	.001	18
19	.000	.000	.000	.000	.000	.000	21.6	222.	81.3	17.3	.171	.000	19
20	.000	.000	.000	.000	.000	.000	29.6	303.	85.9	15.2	.158	.000	20
21	.000	.000	.000	.000	.000	.000	48.8	306.	97.7	13.0	.135	.000	21
22	.000	.000	.000	.000	.000	.000	31.0	241.	78.4	11.1	.102	.000	22
23	.000	.000	.000	.000	.000	.000	25.0	114.	61.5	9.42	.852	.000	23
24	.000	.000	.000	.000	.000	.000	24.1	97.9	54.7	8.06	6.75	.000	24
25	.000	.000	.000	.000	.000	.000	22.1	155.	49.6	4.00	.879	.000	25
26	.000	.000	.000	.000	.000	1.97	20.2	148.	80.7	6.01	.299	.000	26
27	.000	.000	.000	.000	.000	3.24	20.9	159.	74.3	5.84	.170	.000	27
28	.000	.000	.000	.000	.000	3.28	22.0	237.	80.4	4.74	.129	.000	28
29	.000	.000	.000	.000	.000	3.18	87.2	306.	88.9	3.20	.115	.000	29
30	.000	.000	.000	.000	.000	8.26	127.	254.	81.4	1.98	.217	.000	30
31	.000	.000	.000	.000	.000	.000	156.	215.	.000	1.92	.000	.000	31
MO	.000	.000	.000	.000	.000	.664	38.4	148.	123.	26.5	.846	.021	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 353. M3/S LE 15 SEPT A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 314. M3/S LE 15 SEPT

DEBIT MOYEN ANNUEL : 26.1 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1474002505 SIRKA
 RIVIERE : OGOU
 PAYS : TOGO
 BASSIN : MONO
 DEBITS EN M3/S

LATIT. 7.55.00
 LONGIT. 1.22.00
 ALTIT. 172M
 AIRE 4035.00 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.000	.000	.000	.000	.777	12.3	17.4	6.37	.085	1
2	.000	.000	.000	.000	.000	.000	.032	.703	17.4	12.8	9.15	.080	2
3	.000	.000	.000	.000	.000	.000	.092	.619	20.2	9.94	7.56	.076	3
4	.000	.000	.000	.000	.010	.000	.062	.594	54.6	14.2	5.22	.071	4
5	.000	.000	.000	.000	.030	.000	.289	.555	28.8	21.9	3.15	.070	5
6	.000	.000	.000	.000	.013	.000	.204	.581	24.4	27.4	2.03	.062	6
7	.000	.000	.000	.000	.007	.000	.136	.938	18.9	29.0	1.66	.061	7
8	.000	.000	.000	.000	.001	.000	.114	.646	27.4	60.5	1.35	.061	8
9	.000	.000	.000	.000	.000	.000	.126	.533	36.2	82.9	1.19	.061	9
10	.000	.000	.000	.000	.008	.000	.178	.649	36.2	58.4	1.05	.061	10
11	.000	.000	.000	.000	.105	.000	.490	.813	30.6	38.9	.857	.056	11
12	.000	.000	.000	.000	.076	.000	3.25	.683	59.5	31.0	.753	.052	12
13	.000	.000	.000	.000	.061	.000	.697	.571	70.8	26.3	.703	.051	13
14	.000	.000	.000	.000	.048	.000	.259	.426	43.1	22.9	.597	.045	14
15	.000	.000	.000	.000	.026	.000	.228	.374	35.4	20.0	.525	.041	15
16	.000	.000	.000	.000	.013	.000	.194	.376	33.3	17.5	.472	.032	16
17	.000	.000	.000	.000	.006	.000	.173	.518	28.6	14.7	.424	.031	17
18	.000	.000	.000	.000	.002	.000	.158	.370	25.9	14.7	.386	.028	18
19	.000	.000	.000	.000	.000	.000	.144	.307	22.5	13.8	.338	.024	19
20	.000	.000	.000	.000	.000	.000	.145	.440	20.7	12.4	.306	.020	20
21	.000	.000	.000	.000	.000	.000	10.7	2.97	18.0	10.2	.272	.017	21
22	.000	.000	.000	.000	.000	.000	17.9	3.93	17.6	7.53	.240	.011	22
23	.000	.000	.000	.000	.000	.000	6.10	2.66	14.0	7.20	.228	.008	23
24	.000	.000	.000	.000	.000	.000	21.5	2.08	13.1	6.39	.205	.005	24
25	.000	.000	.000	.000	.000	.000	10.0	2.97	11.6	5.36	.182	.002	25
26	.000	.000	.000	.000	.000	.000	5.07	5.05	12.0	4.16	.151	.000	26
27	.000	.000	.000	.000	.000	.000	3.53	18.6	8.97	3.21	.130	.000	27
28	.000	.000	.000	.000	.000	.000	1.90	20.2	7.26	2.74	.122	.000	28
29	.000	.000	.000	.000	.000	.000	1.33	17.3	11.7	2.37	.107	.000	29
30	.000	.000	.000	.000	.000	.000	1.09	11.9	17.2	2.04	.095	.000	30
31	.000	.000	.000	.000	.000	.000	.919	8.84	.000	2.29	.000	.000	31
MO	.000	.000	.000	.000	.013	.000	2.81	3.48	25.9	19.4	1.53	.036	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 98.6 M3/S LE 9 OCTO A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 82.9 M3/S LE 9 OCTO

DEBIT MOYEN ANNUEL : 4.43 M3/S

AMOUTCHOU A EBEVA

N° 1474003503

GENERALITES

- superficie du bassin versant.....: 370 Km²
- coordonnées de la station: 07°32'N - 01°05'E
- cote du zero de l'échelle: 196 m. (IGN) environ
- amplitude de l'échelle: 0 à 6.00 m.
- accès: Route ATAKPAME-KPALIME
- date de création: 26.02.1957
- cadence des relevés: 2 relevés par jour

TARAGE

- nombre de jaugeages au 31.12.87: 131
- maximum jaugé: H = 268-260 CM
Q = 39.6 M³/S
date : 02.08.1984
- nombre de tarages entre 1983 et 1987: 3
- dernier étalonnage utilisé :
valide du 09.07.1985 au 31.12.1988
segments de droite définissant l'étalonnage :

hauteur en CM	débit en M ³ /S	hauteur en CM	débit en M ³ /S
000	00000	055	2.750
013	00000	065	3.770
015	0.019	070	4.370
017	0.045	075	5.040
020	0.120	090	7.300
023	0.260	100	9.000
028	0.570	140	16.60
035	1.060	240	36.90
045	1.860	270	43.50
		400	72.10

DEBITS MOYENS MENSUELS ET ANNUELS

STATION : 1474003503 EBEVA
 RIVIERE : AMOUTCHOU
 PAYS : TOGO
 BASSIN : MOHO
 DEBITS EN M³/S

LATIT. 7.32.00
 LONGIT. 1.05.00
 ALTIT. 196M
 AIRE 370.000 KM2

ANNEE	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	ANNUEL
1967	-	-	-	-	.238	1.20	6.58	10.9	11.8	7.51	1.64	1.02	-
1968	.504	.342	.495	1.05	1.09	3.96	18.2	20.7	22.1	9.92	3.58	1.52	6.95
1969	1.02	.618	.492	-	.376	1.27	5.29	8.79	7.17	7.52	2.83	1.35	-
1970	.965	.668	.822	.812	.968	.784	1.43	1.97	13.5	2.18	.769	.417	2.11
1971	.246	.199	.326	.274	.251	.482	2.45	6.14	11.2	2.95	.732	.427	2.14
1972	.220	-	.243	.531	1.06	2.86	4.06	5.02	5.30	1.02	-	.140	-
1973	.084	-	.030	.099	.175	.710	1.83	7.04	7.16	6.55	2.08	.717	-
1974	.353	.177	-	.336	.557	.461	2.53	3.42	7.93	4.70	1.41	.439	-
1975	.096	.066	.118	.616	.310	2.22	3.88	10.6	19.0	-	-	-	-
1976	.414	.249	.224	.494	1.24	2.44	2.00	8.34	5.12	8.78	3.19	.208	2.73
1977	.131	.070	.027	.018	.095	.440	1.10	.265	8.58	3.29	.299	.069	1.20
1978	.029	.186	.350	.627	.433	2.92	7.17	3.00	15.5	11.2	2.40	1.09	3.74
1979	.354	.064	-	.508	1.52	3.93	17.4	15.6	12.3	11.1	2.01	.972	-
1980	.439	.118	.043	.042	.692	1.47	2.18	15.0	8.82	10.4	3.31	.907	3.62
1981	.239	.056	.048	.053	.764	1.08	3.10	7.56	10.6	2.63	.484	.118	2.23
1982	.062	.049	.099	.187	.855	1.63	2.85	6.36	7.95	2.01	.568	.271	1.91
1983	.065	.006	.000	.000	.060	2.23	1.34	1.65	3.25	1.51	.326	.183	.885
1984	.000	.000	.665	.093	1.48	1.88	3.74	8.64	4.97	3.60	.740	.341	2.18
1985	.283	.039	1.99	1.73	.072	2.67	16.6	19.2	13.4	3.41	1.84	.752	5.17
1986	.231	.117	.552	.253	.384	.233	2.01	3.30	4.00	2.81	.879	.120	1.24
1987	-	-	-	-	-	-	-	-	-	-	1.07	.238	-
MOY.	.302	.178	.384	.429	.631	1.74	5.29	8.18	9.98	5.42	1.59	.565	2.78

DEBITS MOYENS JOURNALIERS-ANNEE 1983

STATION : 1474003503 EBEVA LATIT. 7.32.00
 RIVIERE : AMOUTCHOU LONGIT. 1.05.00
 PAYS : TOGO ALTIT. 196M
 BASSIN : MONO AIRE 370.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.139	.016	.000	.000	.000	.730	.838	1.36	1.53	3.99	.297	.256	1
2	.119	.013	.000	.000	.000	.521	.887	1.26	1.45	3.69	.297	.256	2
3	.116	.013	.000	.000	.000	2.20	1.20	1.25	1.26	3.64	.297	.256	3
4	.116	.013	.000	.000	.000	1.58	1.76	1.24	1.25	3.57	.297	.251	4
5	.113	.013	.000	.000	.000	.989	1.93	1.15	1.15	3.17	.297	.220	5
6	.097	.013	.000	.000	.000	.503	1.77	1.05	.762	3.05	.297	.212	6
7	.093	.013	.000	.000	.000	.517	1.18	1.03	.483	2.74	.297	.210	7
8	.081	.012	.000	.000	.000	1.88	1.05	.953	.712	2.61	.297	.284	8
9	.079	.010	.000	.000	.000	.742	.762	.914	1.05	2.12	.292	.297	9
10	.079	.009	.000	.000	.000	.476	1.52	.741	1.44	1.89	.261	.292	10
11	.079	.007	.000	.000	.000	.450	2.54	.617	3.23	1.52	.256	.261	11
12	.077	.007	.000	.000	.000	.743	2.16	.500	3.94	1.45	.256	.251	12
13	.068	.007	.000	.000	.000	5.08	1.51	.500	3.18	1.37	.256	.220	13
14	.067	.007	.000	.000	.000	3.18	1.66	.617	4.07	1.33	.256	.215	14
15	.067	.006	.000	.000	.000	2.93	1.36	.715	4.80	1.14	.256	.215	15
16	.067	.005	.000	.000	.000	2.46	1.02	.780	4.04	.874	.256	.212	16
17	.066	.005	.000	.000	.000	2.41	.451	1.13	4.12	.834	.256	.197	17
18	.060	.004	.000	.000	.000	2.91	.445	1.59	5.19	.834	.251	.188	18
19	.058	.003	.000	.000	.000	3.47	.611	1.93	5.49	.821	.220	.149	19
20	.048	.001	.000	.000	.000	5.09	.728	2.06	4.93	.741	.215	.146	20
21	.046	.001	.000	.000	.000	5.04	.660	2.20	4.10	.728	.212	.162	21
22	.041	.001	.000	.000	.000	4.38	1.20	2.54	3.98	.701	.263	.123	22
23	.041	.001	.000	.000	.000	3.95	1.15	2.60	3.30	.538	.661	.113	23
24	.039	.000	.000	.000	.030	3.74	1.05	3.19	2.56	.487	.715	.097	24
25	.031	.000	.000	.000	.343	3.34	1.04	3.10	4.37	.483	.617	.095	25
26	.029	.000	.000	.000	.041	2.62	1.95	2.95	5.93	.479	.492	.095	26
27	.025	.000	.000	.000	.010	1.60	2.17	2.93	5.53	.452	.428	.095	27
28	.024	.000	.000	.000	.011	1.35	1.95	2.70	5.22	.419	.405	.089	28
29	.021	.000	.000	.000	.105	1.15	1.92	2.68	4.51	.384	.307	.079	29
30	.020	.000	.000	.000	.894	.949	1.70	2.57	4.07	.369	.261	.079	30
31	.017	.000	.000	.000	.431	.000	1.47	2.49	.000	.307	.000	.079	31
MO	.065	.006	.000	.000	.060	2.23	1.34	1.65	3.25	1.51	.326	.183	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 24 FEVR A 12H00
 MAXIMUM INSTANTANE : 6.31 M3/S LE 25 SEPT A 18H00

MINIMUM JOURNALIER : .000 M3/S LE 25 FEVR
 MAXIMUM JOURNALIER : 5.93 M3/S LE 26 SEPT

DEBIT MOYEN ANNUEL : .685 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1984

STATION : 1474003503 EBEVA LATIT. 7.32.00
 RIVIERE : AMOUTCHOU LONGIT. 1.05.00
 PAYS : TOGO ALTIT. 196M
 BASSIN : MONO AIRE 370.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.000	.000	.000	.106	.322	.592	2.28	25.7	3.12	7.27	1.23	.445	1
2	.000	.000	.000	.071	.317	.586	2.18	35.0	2.65	7.08	1.11	.445	2
3	.000	.000	.000	.067	.245	.541	2.04	19.5	2.38	6.80	1.01	.445	3
4	.000	.000	.000	.004	.374	.472	1.35	16.3	2.25	6.63	1.00	.425	4
5	.000	.000	.000	.000	2.56	.437	1.30	12.6	2.32	6.26	.941	.404	5
6	.000	.000	.000	.000	2.91	.325	1.27	10.7	2.33	6.28	.906	.404	6
7	.000	.000	.000	.000	2.90	.243	1.22	18.6	2.92	5.86	.874	.404	7
8	.000	.000	.000	.000	2.77	.212	1.09	12.3	2.71	5.39	.870	.404	8
9	.000	.000	.000	.000	2.51	.210	1.04	9.18	2.58	5.18	.815	.404	9
10	.000	.000	.000	.000	2.38	.210	1.00	8.12	2.84	4.34	.811	.404	10
11	.000	.000	.000	.007	2.38	.208	.937	7.72	4.67	3.42	.839	.404	11
12	.000	.000	.000	.111	2.38	.213	.878	7.45	3.14	4.45	.811	.404	12
13	.000	.000	.000	.091	2.38	.673	.874	7.17	3.02	3.57	.756	.404	13
14	.000	.000	.000	.090	2.38	.980	.843	7.06	3.05	3.05	.776	.404	14
15	.000	.000	.107	.091	2.37	1.00	.811	6.81	3.15	3.03	.748	.404	15
16	.000	.000	.200	.115	2.13	1.00	.823	6.48	3.45	3.02	.748	.384	16
17	.000	.000	.061	.073	1.89	1.00	.988	6.08	9.69	2.91	.748	.363	17
18	.000	.000	.191	.059	1.62	1.08	1.02	5.84	14.1	3.02	.744	.343	18
19	.000	.000	2.29	.004	1.20	3.90	1.36	5.59	10.2	2.95	.689	.302	19
20	.000	.000	2.38	.000	1.08	5.90	1.38	5.20	8.21	2.46	.661	.281	20
21	.000	.000	2.25	.001	1.08	5.84	1.62	4.89	5.95	2.19	.634	.278	21
22	.000	.000	2.26	.016	.974	5.47	4.81	4.37	5.32	2.12	.592	.243	22
23	.000	.000	1.84	.027	.933	4.12	4.90	3.91	4.39	1.94	.565	.240	23
24	.000	.000	1.63	.166	.878	3.55	4.73	3.49	3.83	1.87	.538	.238	24
25	.000	.000	1.48	.121	.870	3.41	4.27	3.04	3.65	1.79	.496	.212	25
26	.000	.000	1.38	.095	.811	3.18	3.68	2.76	6.81	1.72	.493	.217	26
27	.000	.000	1.20	.383	.776	3.02	3.33	2.46	7.75	1.49	.469	.312	27
28	.000	.000	1.12	.401	.690	2.78	10.0	2.37	7.54	1.39	.445	.284	28
29	.000	.000	1.06	.366	.640	2.75	30.1	2.28	7.32	1.38	.445	.277	29
30	.000	.000	.756	.343	.637	2.40	13.1	2.57	7.66	1.31	.445	.213	30
31	.000	.000	.410	.634	.000	10.8	2.35	.000	1.30	.000	.182	.31	31
MO	.000	.000	.665	.093	1.48	1.88	3.74	8.64	4.97	3.60	.740	.341	MO

- : lacune + : lacune due à une cote hors barème

ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 1 JANV A 00H00
 MAXIMUM INSTANTANE : 53.4 M3/S LE 29 JUIL A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 1 JANV
 MAXIMUM JOURNALIER : 35.0 M3/S LE 2 AOUT

DEBIT MOYEN ANNUEL : 2.18 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1985

STATION : 1474003503 EBEVA LATIT. 7.32.00
 RIVIERE : AMOUTCHOU LONGIT. 1.05.00
 PAYS : TOGO ALTIT. 195M
 BASSIN : MONO AIRE 370.000 KM2
 DEBITS EN M3/S

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.180	.150	.094	3.71	.170	.001	11.1	14.9	11.0	5.30	1.49	1.45	1
2	.178	.135	.221	1.85	.148	.000	11.8	16.7	12.8	3.53	1.46	1.30	2
3	.152	.120	.347	2.72	.120	.000	21.9	18.5	13.9	5.63	1.46	1.06	3
4	.150	.120	.474	2.58	.091	.000	18.5	23.8	11.1	5.79	1.46	1.06	4
5	.165	.105	.600	2.57	.090	.000	21.9	23.6	11.8	5.79	1.46	1.06	5
6	.178	.090	.727	2.38	.080	.000	15.7	24.0	11.8	5.81	1.46	1.04	6
7	.150	.090	.853	2.24	.078	.000	23.9	38.9	18.7	5.84	1.46	.732	7
8	.577	.080	.979	2.24	.064	.000	49.8	32.5	13.1	4.39	1.54	.710	8
9	.683	.071	1.11	2.72	.072	.000	28.4	33.9	12.7	3.33	1.62	.710	9
10	.592	.069	1.23	3.62	.088	.000	22.6	28.9	11.5	3.27	1.54	.640	10
11	.586	.037	1.36	4.93	.087	.189	17.6	26.4	10.3	4.71	1.46	.815	11
12	.541	.026	1.48	4.29	.055	2.33	13.5	26.6	6.49	6.36	1.46	1.06	12
13	.496	.016	1.61	3.77	.052	1.48	11.6	30.7	13.7	4.16	1.46	1.04	13
14	.466	.001	1.74	3.41	.036	1.15	17.2	27.3	20.8	3.74	1.46	.732	14
15	.404	.000	1.86	2.78	.017	1.09	12.9	17.9	45.8	3.29	1.26	.710	15
16	.340	.000	1.99	2.23	.000	1.11	11.8	17.7	27.4	3.26	1.06	.710	16
17	.245	.000	2.12	1.76	.000	1.08	10.5	16.0	20.2	3.23	1.06	.710	17
18	.238	.000	2.24	1.06	.000	.792	14.3	13.8	16.8	2.56	1.06	.710	18
19	.184	.000	2.37	.543	.000	1.43	13.2	17.9	15.0	2.31	1.06	.710	19
20	.176	.000	2.50	.220	.000	8.06	13.5	18.3	12.4	2.31	.863	.710	20
21	.152	.000	2.62	.095	.000	6.97	11.2	14.3	11.4	2.28	.850	.710	21
22	.150	.000	2.75	.086	.001	7.85	10.9	12.7	10.8	1.93	.941	.640	22
23	.152	.000	2.87	.038	.007	7.86	10.8	11.0	9.12	1.87	2.28	.570	23
24	.167	.000	3.00	.032	.116	9.44	11.7	9.03	8.52	1.86	3.36	.570	24
25	.211	.000	3.13	.002	.182	6.80	9.63	11.6	6.80	1.86	5.63	.570	25
26	.274	.000	3.25	.000	.143	5.84	8.94	11.9	8.75	1.86	5.37	.570	26
27	.243	.000	3.38	.000	.255	5.74	11.8	10.0	7.88	1.86	3.86	.477	27
28	.236	.003	3.51	.003	.183	4.57	16.7	13.3	8.84	1.86	2.73	.384	28
29	.184	.363	.050	.064	3.49	19.8	10.9	7.68	1.88	1.51	.394	.29	29
30	.165	.376	.063	.033	2.97	24.1	9.76	5.88	2.10	1.46	.384	.30	30
31	.150	.389	.017	.017	.18.2	11.6		1.85		.384	.31		31
MO	.283	.039	1.99	1.73	.072	2.67	16.6	19.2	13.4	3.41	1.84	.752	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .000 M3/S LE 14 FEVR A 06H00
 MAXIMUM INSTANTANE : 65.5 M3/S LE 8 JUIL A 06H00

MINIMUM JOURNALIER : .000 M3/S LE 15 FEVR
 MAXIMUM JOURNALIER : 49.8 M3/S LE 8 JUIL

DEBIT MOYEN ANNUEL : 5.17 M3/S

DEBITS MOYENS JOURNALIERS-ANNEE 1986

STATION : 1474003503 EBEVA LATIT. 7.32.00
 RIVIERE : AMOUTCHOU LONGIT. 1.05.00
 PAYS : TOGO ALTIT. 195M
 BASSIN : MONO AIRE 370.000 KM2
 DEBITS EN M3/S

J	JANV	FEUR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	.384	.120	.119	.404	.384	.120	.120	2.20	4.33	3.01	2.50	.128	1
2	.384	.120	.108	.384	.547	.120	.126	1.86	3.85	2.53	1.78	.120	2
3	.384	.120	.095	.384	.547	.120	.177	1.48	4.42	2.56	1.47	.120	3
4	.384	.120	.095	.384	.384	.120	.357	1.19	6.02	2.97	1.46	.120	4
5	.384	.120	.095	.368	.384	.120	.234	1.04	10.5	2.75	1.31	.120	5
6	.384	.120	.095	.137	.384	.120	.536	.732	8.92	5.91	1.00	.120	6
7	.384	.120	.095	.120	.373	.120	.710	.628	5.99	5.79	.907	.120	7
8	.384	.120	.095	.120	.218	.120	.782	.396	5.74	5.13	1.05	.120	8
9	.384	.120	.096	.120	.142	.120	1.61	.404	5.05	5.34	1.06	.120	9
10	.384	.120	.118	.120	.368	.120	1.81	.690	4.41	4.49	1.00	.120	10
11	.384	.120	.120	.120	.384	.120	1.49	.701	4.33	3.81	.817	.120	11
12	.349	.120	.120	.120	.384	.120	1.64	.588	3.81	3.48	.714	.120	12
13	.251	.120	.137	.120	.384	.120	1.49	.701	3.74	2.78	.710	.120	13
14	.214	.120	.531	.120	.384	.120	1.46	.690	3.29	2.53	.710	.120	14
15	.187	.120	.710	.120	.384	.120	1.46	.408	3.26	2.31	.710	.120	15
16	.123	.120	.710	.120	.384	.286	1.46	.411	3.26	2.28	.710	.120	16
17	.120	.120	.710	.120	.384	.692	1.66	.476	3.20	1.89	.710	.120	17
18	.120	.120	.710	.095	.404	.618	2.09	1.52	2.37	1.86	.710	.120	18
19	.120	.120	.710	.089	.690	.394	2.06	.726	2.31	1.86	.710	.120	19
20	.120	.120	.710	.354	.710	.384	2.19	.697	2.31	1.86	.710	.120	20
21	.120	.120	.719	.234	.547	.384	10.0	.588	2.31	1.86	.710	.120	21
22	.120	.120	.771	.373	.384	.384	5.99	.723	2.31	1.85	.710	.120	22
23	.120	.120	.710	.384	.465	.384	5.79	1.04	2.31	1.73	.710	.120	23
24	.120	.120	.710	.384	.396	.384	5.60	1.20	2.34	1.49	.710	.120	24
25	.120	.113	.780	.384	.384	.336	2.91	7.97	3.01	1.66	.710	.120	25
26	.120	.095	.863	.384	.384	.218	2.31	32.0	3.48	1.86	.618	.120	26
27	.120	.095	1.11	.384	.384	.213	1.86	12.6	3.26	1.85	.394	.120	27
28	.120	.102	2.02	.384	.368	.213	1.46	9.84	3.26	1.63	.384	.120	28
29	.120		1.48	.384	.137	.187	.971	7.41	3.26	1.76	.384	.120	29
30	.120		1.06	.384	.120	.123	.741	6.79	3.26	3.17	.310	.120	30
31	.120		.712		.120		1.12	4.51		3.01		.120	31
MO	.231	.117	.552	.253	.384	.233	2.01	3.30	4.00	2.81	.879	.120	MO

- : lacune + : lacune due à une cote hors barème
 ANNEE COMPLETE

MINIMUM INSTANTANE : .070 M3/S LE 18 AVRI A 18H00
 MAXIMUM INSTANTANE : 45.7 M3/S LE 26 AOUT A 06H00

MINIMUM JOURNALIER : .089 M3/S LE 19 AVRI
 MAXIMUM JOURNALIER : 32.0 M3/S LE 26 AOUT

DEBIT MOYEN ANNUEL : 1.24 M3/S

DEBITS MOYENS JOURNALIERS EN M3/S-ANNEE 1987

STATION : 1474003503 EBEVA LATIT. 7.32.00
 RIVIERE : AMOUTCHOU LONGIT. 1.05.00
 PAYS : TOGO ALTIT. 195M
 BASSIN : MONO AIRE 370.000 KM2

J	JANV	FEVR	MARS	AVRI	MAI	JUIN	JUIL	AOUT	SEPT	OCTO	NOVE	DECE	J
1	-	-	-	-	-	-	-	-	-	-	1.44	.778	1
2	-	-	-	-	-	-	-	-	-	-	1.39	.760	2
3	-	-	-	-	-	-	-	-	-	-	1.36	.712	3
4	-	-	-	-	-	-	-	-	-	-	1.33	.710	4
5	-	-	-	-	-	-	-	-	-	-	1.36	.690	5
6	-	-	-	-	-	-	-	-	-	-	1.30	.605	6
7	-	-	-	-	-	-	-	-	-	-	1.28	.477	7
8	-	-	-	-	-	-	-	-	-	-	1.22	.340	8
9	-	-	-	-	-	-	-	-	-	-	1.22	.218	9
10	-	-	-	-	-	-	-	-	-	-	1.22	.187	10
11	-	-	-	-	-	-	-	-	-	-	1.22	.123	11
12	-	-	-	-	-	-	-	-	-	-	1.22	.120	12
13	-	-	-	-	-	-	-	-	-	-	1.18	.120	13
14	-	-	-	-	-	-	-	-	-	-	1.07	.120	14
15	-	-	-	-	-	-	-	-	-	-	1.08	.120	15
16	-	-	-	-	-	-	-	-	-	-	1.10	.113	16
17	-	-	-	-	-	-	-	-	-	-	.995	.095	17
18	-	-	-	-	-	-	-	-	-	-	.990	.095	18
19	-	-	-	-	-	-	-	-	-	-	.990	.095	19
20	-	-	-	-	-	-	-	-	-	-	.970	.095	20
21	-	-	-	-	-	-	-	-	-	-	.922	.095	21
22	-	-	-	-	-	-	-	-	-	-	.900	.095	22
23	-	-	-	-	-	-	-	-	-	-	.852	.088	23
24	-	-	-	-	-	-	-	-	-	-	.850	.070	24
25	-	-	-	-	-	-	-	-	-	-	.830	.070	25
26	-	-	-	-	-	-	-	-	-	-	.782	.070	26
27	-	-	-	-	-	-	-	-	-	-	.760	.070	27
28	-	-	-	-	-	-	-	-	-	-	.712	.070	28
29	-	-	-	-	-	-	-	-	-	-	.710	.070	29
30	-	-	-	-	-	-	-	-	-	-	.730	.063	30
31	-	-	-	-	-	-	-	-	-	-		.045	31
MO	-	-	-	-	-	-	-	-	-	-	1.07	.238	MO

- : lacune + : lacune due a une cote hors barème

ANNEE INCOMPLETE

MINIMUM INSTANTANE : .045 M3/S LE 31 DECE A 08H00

MAXIMUM INSTANTANE : 1.45 M3/S LE 1 NOVE A 00H00

MINIMUM JOURNALIER : .045 M3/S LE 31 DECE

MAXIMUM JOURNALIER : 1.44 M3/S LE 1 NOVE