

Caudales Maximos Instantaneos - Rio Caimito, n=17

SAMPLE SIZE = 17

STATISTICS OF THE OBSERVED VALUES

MEAN = 111.55 STD. DEV. = 79.12 COEF. OF SKEW = .7567

STATISTICS OF THE NATURAL LOGARITHMS

MEAN = 4.34433 STD. DEV. = 1.07857 COEF. OF SKEW. = -1.3512

STATISTICS OF THE BASE 10 LOGARITHMS

MEAN = 1.88672 STD. DEV. = .46842 COEF. OF SKEW. = -1.3512

FREQUENCY DISTRIBUTION

RETURN PERIOD (YRS)	TRUNCATED NORMAL (cms)	2-PARAMETER LOGNORMAL (cms)	3-PARAMETER LOGNORMAL (cms)	TYPE I EXTREMAL (cms)	TYPE I LOG- EXTREMAL (cms)	PEARSON TYPE III (cms)	LOG PEARSON TYPE III (cms)
2.00	111.55	77.04	102.20	100.05	65.86	101.73	97.04
2.33	125.90	93.68	116.23	116.19	82.07	115.95	114.88
5.00	179.97	195.77	175.03	186.30	213.42	175.60	191.51
10.00	217.32	325.74	221.77	243.41	464.86	222.71	246.14
20.00	249.69	506.43	266.85	298.19	980.89	267.68	288.94
50.00	288.42	858.61	327.04	369.10	2578.62	326.78	330.05
100.00	315.97	1249.88	374.43	422.23	5320.40	372.47	351.27
200.00	342.66	1798.30	424.34	475.17	10948.42	419.77	365.48
500.00	377.24	2881.51	495.43	545.02	28368.53	485.65	375.88
1000.00	403.22	4105.62	554.02	597.80	58255.70	538.64	379.20

FREQUENCY DISTRIBUTION								
CLASS INTERVAL	PROBABILITY	TRUNCATED NORMAL (cms)	2-PARAMETER LOGNORMAL (cms)	3-PARAMETER LOGNORMAL (cms)	TYPE I EXTREMAL (cms)	TYPE I LOG- EXTREMAL (cms)	PEARSON TYPE III (cms)	LOG PEARSON TYPE III (cms)
0	.00000	.00	.00	.00	.00	.00	.00	.00
1	.25000	58.18	37.22	55.13	47.30	32.09	54.57	31.45
2	.50000	111.55	77.04	102.20	100.05	65.86	102.10	53.04
3	.75000	164.92	159.46	157.67	166.97	163.98	158.66	111.06
4	1.00000	INFINITY	INFINITY	INFINITY	INFINITY	INFINITY	INFINITY	INFINITY
CHI-SQUARE VALUE		1.118	3.000	.647	.647	3.000	.647	4.882

95% CHI-SQUARE TEST STATISTIC = 7.817