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LOG PEARSON TYPE 3 DISTRIBUTION: TABLES OF QUANTILES

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LOG PEARSON TYPE 3 DISTRIBUTION

BACKGROUND

Log Pearson type 3 (LP) distribution is extensively used in hydrologic frequency analysis. The traditional fitting procedure consists of transformation of natural data into logarithms and fitting logarithmic data to a Pearson type 3 (P) distribution by the method of moments. In this method (logarithmic moments method--LGMO) the quantiles of LP distribution, i.e., flood flows, low flows, etc. for different return periods, are obtained on the basis of mean, variance, and skewness coefficient of logarithmic data from the tables provided in Ref. 2. Ref. 2 also describes the use of a regional skewness coefficient when the data analyzed are flood flows.

Other methods of fitting LP distribution to hydrologic data have recently been introduced [Bobee (1), Rao (3, 4)]. In Bobee's method quantiles of LP distribution are obtained on the basis of the moments of real data (as opposed to logarithmic data); however, Bobee's method uses the origin moments of data. By a study conducted at this District, the writer has developed the following other methods:

1. Method of Real Moments (RLMO): This is a variation of Bobee's method. In this method the quantiles of LP distribution are obtained on the basis of the more familiar statistical parameters, mean, variance, and skewness coefficient (of real data) instead of the origin moments used by Bobee.
2. Methods of Mixed Moments: In these methods the use of skewness coefficient (the estimate of which is generally biased for small sample sizes) is eliminated. Two variations of these methods are available.

I. Method of Mixed Moments - I (MXM1): In this method the quantiles of LP distribution are estimated on the basis of the mean and variance of real data and the mean of logarithmic data.

II. Method of Mixed Moments - II (MXM2): In this method the quantiles are estimated on the basis of the mean and variance of logarithmic data and the mean of real data.

Details of RLMO, MXM1 and MXM2 methods are available in References 3 and 4.

EVALUATION OF LOG PEARSON QUANTILES

Mathematical evaluation of LP quantiles is quite involved; especially, their evaluation by desk calculations is well nigh impossible. They are evaluated by a computer program or generalized tables specially derived for the purpose. A computer program was developed by the writer to obtain solutions of LP distribution by LGMO, RLMO, MXM1 and MXM2 using different mathematical and statistical procedures described in References 3 and 4. Exhibit 1 shows typical computer output from the program. [Maximum likelihood (MXLK) method mentioned in Exhibit 1 is a different procedure, details of which will be presented in a future publication.] Generalized tables were also derived in terms of the dimensionless variate K (see Ref. 3), to obtain LP quantiles for RLMO and MXM1 without using the computer program. These tables are included in this memorandum (pp. 1 to 17) and their use is explained below. (To obtain LP quantiles for MXM2 the tables available in Ref. 2 may be used as explained in Ref. 4.)

USE OF THE TABLES

I. Method of Real Moments (RLMO):

The following steps may be followed:

1. Obtain mean, $\bar{X}$, of real data (X_1, X_2, $\ldots X_i \ldots X_N$) by

$$\bar{X} = \frac{1}{N} \sum_{i=1}^{N} X_i \qquad \ldots\ldots\ldots\ldots\ldots\ldots (1)$$

(N = sample size)

2. Convert data into dimensionless variables by $K_i = X_i/\bar{X}$.
3. Calculate the unbiased estimates of variance, S_k^2 , and skewness coefficient, CS_k, from dimensionless data by equations,

Variance, $$S_k^2 = \frac{1}{(N-1)} \sum_{i=1}^{N} (K_i - \bar{K})^2 \qquad \ldots\ldots (2)$$

Skewness Coefficient, $$CS_k = \frac{N}{S_k^{\,3}\ (N-1)\ (N-2)} \sum_{i=1}^{N} (K_i - \bar{K})^3 \qquad \ldots\ldots (3)$$

Note that $\bar{K}$, the mean of dimensionless data = 1.0.

4. Enter the tables and obtain K values of interest. Use interpolation, if necessary.
5. Multiply K values obtained in Step 4 by $\bar{X}$ to obtain final results.

Example: For the sample in Exhibit I (annual flood flows), assume that $\bar{X}$, S_k^2 and CS_k were calculated as 3392.5 cfs, 0.543, and 1.392, respectively. Determine 100-year flood flow.

By interpolation, the tables (page 4) give K = 3.420. Therefore, 100-year flood flow = 3.420 x 3392.5 = 11,600 cfs (rounded).

II. Method of Mixed Moments - I (MXM1): In this method, the value of CS_k is selected on the basis of $\bar{Y}$, the mean of logarithmic data, instead of calculating by Eq. 3. Follow the following steps:

1. Perform Steps 1 and 2 of RLMO.

2. Obtain logarithmic mean, $\bar{Y}$, of dimensionless data by

$$\bar{Y} = \frac{1}{N} \sum_{i=1}^{N} \ln K_i \qquad \text{. (4)}$$

3. Calculate S_k^2 by Eq. 2.

4. Enter Exhibit II and determine the value of CS_k, (Use interpolation, if necessary) for $\bar{Y}$ and S_k^2 calculated in the above steps.

5. Perform Steps 4 and 5 of RLMO.

Example: For the sample in Exhibit I, $\bar{X}$ = 3392.5 cfs, $\bar{Y}$ = -0.2278 and S_k^2 = 0.5428. Determine 100-year flood flow.

Exhibit II gives, by interpolation, CS_k = 2.338. Tables of K values (pages 6-7) give, by interpolation, K = 3.6895 for 100-year return period. Thus, 100-year flood value = 3.6895 x 3392.5 = 12,500 cfs (rounded).

REFERENCES

1. Bobee, B., "The Log Pearson Type 3 Distribution and Its Application in Hydrology," Water Resources Research, Vol. 11, No. 5, October 1975, pp. 681-689.

2. "Guidelines for Determining Flood Flow Frequency," Bulletin No. 17, Water Resources Council, Washington, D. C., 1976.

3. Rao, D. V., "Log Pearson Type 3 Distribution: A Generalized Evaluation," Journal of the Hydraulics Division, ASCE, Vol. 106, No. HY5, May 1980, pp. 853-872.

4. Rao, D. V., "Log Pearson Type 3 Distribution: Method of Mixed Moments," Journal of the Hydraulics Division, ASCE, Vol. 106, No. HY6, June 1980, pp. 999-1019.

--- FREQUENCY ANALYSIS BY LOG PEARSON TYPE III DISTRIBUTION ---

**** ECONLOCKHATCHEE RIVER NR CHULUOTA, FLA. -ANNUAL PEAK FLOWS(1936-75) IN CFS

1760.00	1760.00	1490.00	2380.00	950.00	2070.00	1360.00	1960.00	6100.00	8650.00
1190.00	4240.00	9670.00	3610.00	7210.00	1960.00	2590.00	3980.00	1740.00	1330.00
8580.00	3150.00	2290.00	4120.00	10100.00	3930.00	1810.00	3520.00	5290.00	1290.00
2230.00	2150.00	6050.00	4230.00	2070.00	1340.00	1500.00	1490.00	3750.00	810.00

*** SAMPLE SIZE= 40 MEAN OF DATA= 3392.50

@@@@ REAL MOMENTS METHOD:-

MEAN, VARIANCE AND SKEW OF D-LESS DATA: 1.00000 0.54276 1.39154
ESTIMATES OF PARAMETERS A, B, & C: -0.36410E 01 0.91203E 01 0.22132E 01
ESTIMATES OF LOG MEAN, VAR AND SKEW: -0.29165 0.68796 -0.66226

@@@@ LOG MOMENTS METHOD:-

MEAN VAR AND SKEW OF LOG DATA: -0.22780 0.44681 0.39069
ESTIMATES OF PARAMETERS A, B, & C: 0.76585E 01 0.26206E 02 -0.36497E 01
ESTIMATES OF MEAN, VAR AND SKEW FOR REAL DATA: 1.01732 0.84682 5.59157

@@@@ MIXED MOMENTS-I METHOD:-

MEAN, VARIANCE AND SKEW OF D-LESS DATA FIT: 1.00000 0.54276 2.33493
ESTIMATES OF PARAMETERS A, B, & C: -0.26020E·02 0.31633E 03 0.11929E 02
ESTIMATES OF LOG MEAN, VAR AND SKEW: -0.22780 0.46722 -0.11245

@@@@ MIXED MOMENTS-II METHOD:-

MEAN VAR AND SKEW OF LOG DATA FIT: -0.22780 0.44681 0.08643
ESTIMATES OF PARAMETERS A, B, & C: 0.34620E 02 0.53552E 03 -0.15696E 02
ESTIMATES OF MEAN, VAR AND SKEW FOR REAL DATA: 1.00000 0.60639 3.07136

@@@@ MAXIMUM LIKELIHOOD METHOD:-

TRIAL ESTIMATES OF A, B, C, MEAN, VAR, & SKEW-
-0.11E 04 0.49E 06 0.46E 03 0.9900 0.5342 2.6097
0.39E 01 0.70E 01 -0.20E 01 1.0483 1.5250 28.5667
SELECTED A,B,C: -0.10584E 04 0.48827E 06 0.46110E 03
ESTIMATES OF LOG MEAN, VAR AND SKEW: -0.22773 0.43587 -0.00286

NUMERICAL VALUES OF VARIABLE K FOR SELECTED FREQUENCIES
LOG PEARSON TYPE III DISTRIBUTION

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
METHOD	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RLMO	0.053	0.073	0.103	0.147	0.248	0.387	0.818	1.521	2.004	2.600	3.022	3.420	3.796	4.261	4.589
LGMO	0.182	0.204	0.233	0.272	0.349	0.450	0.762	1.375	1.919	2.793	3.599	4.554	5.684	7.496	9.150
MXM1	0.127	0.153	0.188	0.234	0.329	0.450	0.807	1.420	1.896	2.565	3.109	3.690	4.309	5.189	5.903
MXM2	0.150	0.175	0.208	0.252	0.340	0.453	0.789	1.393	1.887	2.617	3.241	3.934	4.703	5.849	6.824
MXLK	0.145	0.171	0.205	0.251	0.342	0.457	0.797	1.388	1.856	2.528	3.087	3.694	4.354	5.313	6.109

*** VARIATE VALUES ***

CDF	T-LOS	T-PKS	BY RLMO	BY MXM1	BY MXLK	BY LGMO	BY MXM2
0.005	200.	1.	179.99	432.13	492.38	616.80	509.79
0.010	100.	1.	248.92	520.67	580.74	692.58	595.32
0.020	50.	1.	349.43	637.05	695.51	790.28	706.23
0.040	25.	1.	500.27	795.43	849.91	921.38	855.30
0.100	10.	1.	840.08	1116.26	1158.96	1185.27	1154.38
0.200	5.	1.	1312.18	1525.88	1550.07	1525.50	1535.12
0.500	2.	2.	2775.58	2736.12	2702.42	2586.61	2675.60
0.800	1.	5.	5159.31	4818.37	4709.35	4664.29	4727.12
0.900	1.	10.	6799.24	6430.80	6294.93	6510.66	6400.17
0.960	1.	25.	8819.71	8701.87	8576.28	9476.05	8878.03
0.980	1.	50.	10250.83	10548.52	10472.42	12208.77	10993.81
0.990	1.	100.	11602.71	12518.32	12532.76	15449.23	13344.46
0.995	1.	200.	12879.09	14617.97	14770.35	19282.87	15954.93
0.998	1.	500.	14455.33	17603.64	18024.89	25429.86	19844.07
0.999	1.	1000.	15567.32	20027.30	20724.69	31040.99	23149.58

Final Results:
Peak Flows in cfs

CDF: Nonexceedance Probability
T-LOS: Return Period, in years, for low flows
T-PKS: Return Period, in years, for flood flows

EXHIBIT - I

Logarithmic Mean ($\overline{Y}$) Values for Different Variance (S_k^2) and Skewness Coefficients (CS_k) of the Dimensionless Variate, K

VARIANCE OF K	SKEWNESS COEFFICIENT												
	-1.0	-0.8	-0.6	-0.4	-0.2	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
0.03	-0.0181	-0.0175	-0.0170	-0.0165	-0.0161	-0.0157	-0.0153	-0.0150	-0.0147	-0.0144	-0.0141	-0.0138	-0.0136
0.04	-0.0253	-0.0243	-0.0234	-0.0226	-0.0219	-0.0213	-0.0207	-0.0201	-0.0196	-0.0192	-0.0188	-0.0184	-0.0180
0.05	-0.0331	-0.0316	-0.0302	-0.0290	-0.0279	-0.0270	-0.0261	-0.0254	-0.0247	-0.0240	-0.0234	-0.0229	-0.0224
0.06	-0.0416	-0.0393	-0.0374	-0.0357	-0.0342	-0.0329	-0.0317	-0.0307	-0.0298	-0.0289	-0.0282	-0.0275	-0.0268
0.07	-0.0509	-0.0477	-0.0450	-0.0427	-0.0407	-0.0390	-0.0375	-0.0362	-0.0350	-0.0339	-0.0329	-0.0321	-0.0313
0.08	-0.0610	-0.0566	-0.0531	-0.0501	-0.0475	-0.0453	-0.0434	-0.0417	-0.0402	-0.0389	-0.0377	-0.0367	-0.0357
0.09	-0.0720	-0.0663	-0.0616	-0.0578	-0.0545	-0.0518	-0.0494	-0.0474	-0.0456	-0.0440	-0.0426	-0.0413	-0.0402
0.10	-0.0842	-0.0767	-0.0707	-0.0659	-0.0619	-0.0585	-0.0556	-0.0532	-0.0510	-0.0492	-0.0475	-0.0460	-0.0447
0.15	-0.1681	-0.1433	-0.1259	-0.1131	-0.1033	-0.0956	-0.0893	-0.0841	-0.0798	-0.0761	-0.0729	-0.0701	-0.0677
0.20	-0.3261	-0.2491	-0.2043	-0.1751	-0.1546	-0.1395	-0.1279	-0.1187	-0.1112	-0.1051	-0.0999	-0.0955	-0.0917
0.25	-0.7117	-0.4387	-0.3226	-0.2591	-0.2194	-0.1922	-0.1724	-0.1575	-0.1458	-0.1364	-0.1287	-0.1222	-0.1168
0.30	-2.4547	-0.8574	-0.5182	-0.3783	-0.3030	-0.2561	-0.2243	-0.2013	-0.1839	-0.1703	-0.1594	-0.1505	-0.1431
0.35	-177.8600	-2.2803	-0.8925	-0.5584	-0.4144	-0.3351	-0.2852	-0.2510	-0.2261	-0.2072	-0.1924	-0.1805	-0.1706
0.40		-20.7087	-1.8175	-0.8563	-0.5689	-0.4347	-0.3576	-0.3077	-0.2729	-0.2473	-0.2277	-0.2122	-0.1996
0.45			-5.7979	-1.4235	-0.7952	-0.5631	-0.4445	-0.3729	-0.3252	-0.2911	-0.2656	-0.2458	-0.2300
0.50			-124.9000	-2.7958	-1.1521	-0.7343	-0.5506	-0.4484	-0.3836	-0.3390	-0.3064	-0.2816	-0.2621
0.55				-8.1761	-1.7801	-0.9716	-0.6825	-0.5367	-0.4494	-0.3915	-0.3503	-0.3196	-0.2958
0.60				-92.3732	-3.0910	-1.3185	-0.8500	-0.6410	-0.5239	-0.4493	-0.3978	-0.3600	-0.3313
0.65					-6.7779	-1.8628	-1.0684	-0.7657	-0.6087	-0.5131	-0.4491	-0.4031	-0.3687
0.70					-26.1666	-2.8086	-1.3630	-0.9170	-0.7060	-0.5839	-0.5047	-0.4492	-0.4082
0.75						-4.7237	-1.7775	-1.1037	-0.8184	-0.6627	-0.5651	-0.4983	-0.4498
0.80						-9.7148	-2.3939	-1.3387	-0.9496	-0.7508	-0.6309	-0.5510	-0.4939
0.85						-30.6443	-3.3816	-1.6417	-1.1042	-0.8499	-0.7029	-0.6074	-0.5406
0.90							-5.1387	-2.0443	-1.2888	-0.9620	-0.7817	-0.6680	-0.5900
0.95							-8.7888	-2.5992	-1.5120	-1.0895	-0.8684	-0.7333	-0.6423
1.00							-18.5103	-3.4002	-1.7864	-1.2357	-0.9642	-0.8037	-0.6980
1.25								-42.7478	-5.0548	-2.4443	-1.6368	-1.2556	-1.0357
1.50									-44.4770	-6.0138	-2.9429	-1.9743	-1.5143
1.75										-30.2336	-6.1837	-3.2464	-2.2314
2.00											-19.4246	-5.9117	-3.3929
2.25												-13.4035	-5.5003
2.50													-10.0579

EXHIBIT - II

VARIANCE OF K	SKEWNESS COEFFICIENT												
	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
0.03	-0.0134	-0.0131	-0.0129	-0.0128	-0.0126	-0.0124	-0.0122	-0.0121	-0.0119	-0.0118	-0.0117	-0.0116	-0.0114
0.04	-0.0177	-0.0173	-0.0171	-0.0168	-0.0165	-0.0163	-0.0160	-0.0158	-0.0156	-0.0154	-0.0153	-0.0151	-0.0149
0.05	-0.0220	-0.0215	-0.0211	-0.0208	-0.0204	-0.0201	-0.0198	-0.0195	-0.0193	-0.0190	-0.0188	-0.0186	-0.0183
0.06	-0.0262	-0.0257	-0.0252	-0.0247	-0.0243	-0.0239	-0.0235	-0.0232	-0.0229	-0.0225	-0.0223	-0.0220	-0.0217
0.07	-0.0305	-0.0299	-0.0293	-0.0287	-0.0282	-0.0277	-0.0272	-0.0268	-0.0264	-0.0261	-0.0257	-0.0254	-0.0251
0.08	-0.0348	-0.0340	-0.0333	-0.0326	-0.0320	-0.0315	-0.0309	-0.0304	-0.0300	-0.0295	-0.0291	-0.0288	-0.0284
0.09	-0.0392	-0.0382	-0.0374	-0.0366	-0.0359	-0.0352	-0.0346	-0.0340	-0.0335	-0.0330	-0.0326	-0.0321	-0.0317
0.10	-0.0435	-0.0424	-0.0414	-0.0405	-0.0397	-0.0390	-0.0383	-0.0376	-0.0370	-0.0365	-0.0360	-0.0355	-0.0350
0.15	-0.0656	-0.0637	-0.0620	-0.0604	-0.0591	-0.0578	-0.0566	-0.0556	-0.0546	-0.0537	-0.0529	-0.0522	-0.0515
0.20	-0.0884	-0.0855	-0.0830	-0.0807	-0.0787	-0.0768	-0.0752	-0.0737	-0.0723	-0.0710	-0.0699	-0.0688	-0.0678
0.25	-0.1121	-0.1081	-0.1045	-0.1014	-0.0986	-0.0961	-0.0939	-0.0919	-0.0901	-0.0884	-0.0869	-0.0855	-0.0842
0.30	-0.1368	-0.1314	-0.1267	-0.1226	-0.1190	-0.1158	-0.1129	-0.1104	-0.1081	-0.1060	-0.1040	-0.1023	-0.1007
0.35	-0.1625	-0.1555	-0.1495	-0.1444	-0.1399	-0.1359	-0.1323	-0.1291	-0.1263	-0.1237	-0.1214	-0.1192	-0.1173
0.40	-0.1892	-0.1805	-0.1731	-0.1667	-0.1612	-0.1563	-0.1520	-0.1482	-0.1447	-0.1417	-0.1389	-0.1363	-0.1340
0.45	-0.2172	-0.2065	-0.1974	-0.1897	-0.1830	-0.1772	-0.1721	-0.1675	-0.1635	-0.1598	-0.1565	-0.1535	-0.1508
0.50	-0.2463	-0.2334	-0.2225	-0.2133	-0.2054	-0.1985	-0.1925	-0.1872	-0.1825	-0.1782	-0.1744	-0.1710	-0.1678
0.55	-0.2768	-0.2613	-0.2485	-0.2376	-0.2283	-0.2203	-0.2133	-0.2072	-0.2017	-0.1969	-0.1925	-0.1885	-0.1849
0.60	-0.3086	-0.2903	-0.2752	-0.2626	-0.2518	-0.2426	-0.2346	-0.2275	-0.2213	-0.2157	-0.2108	-0.2063	-0.2022
0.65	-0.3419	-0.3204	-0.3029	-0.2883	-0.2759	-0.2654	-0.2562	-0.2482	-0.2411	-0.2349	-0.2293	-0.2242	-0.2197
0.70	-0.3767	-0.3517	-0.3315	-0.3147	-0.3006	-0.2886	-0.2783	-0.2692	-0.2613	-0.2543	-0.2480	-0.2424	-0.2373
0.75	-0.4131	-0.3842	-0.3610	-0.3419	-0.3259	-0.3124	-0.3007	-0.2906	-0.2818	-0.2739	-0.2670	-0.2607	-0.2551
0.80	-0.4512	-0.4180	-0.3915	-0.3699	-0.3519	-0.3367	-0.3237	-0.3124	-0.3025	-0.2938	-0.2861	-0.2792	-0.2730
0.85	-0.4912	-0.4532	-0.4231	-0.3987	-0.3785	-0.3615	-0.3470	-0.3345	-0.3236	-0.3140	-0.3055	-0.2980	-0.2911
0.90	-0.5331	-0.4898	-0.4558	-0.4284	-0.4058	-0.3869	-0.3709	-0.3571	-0.3451	-0.3345	-0.3252	-0.3169	-0.3094
0.95	-0.5770	-0.5279	-0.4896	-0.4590	-0.4339	-0.4129	-0.3952	-0.3800	-0.3668	-0.3553	-0.3451	-0.3360	-0.3279
1.00	-0.6232	-0.5676	-0.5247	-0.4905	-0.4626	-0.4395	-0.4200	-0.4033	-0.3889	-0.3763	-0.3652	-0.3554	-0.3466
1.25	-0.8931	-0.7933	-0.7197	-0.6631	-0.6183	-0.5819	-0.5517	-0.5264	-0.5047	-0.4861	-0.4698	-0.4554	-0.4427
1.50	-1.2482	-1.0754	-0.9544	-0.8651	-0.7964	-0.7419	-0.6977	-0.6611	-0.6302	-0.6039	-0.5811	-0.5613	-0.5438
1.75	-1.7307	-1.4351	-1.2408	-1.1035	-1.0014	-0.9226	-0.8599	-0.8088	-0.7664	-0.7306	-0.7000	-0.6735	-0.6504
2.00	-2.4144	-1.9052	-1.5955	-1.3879	-1.2393	-1.1277	-1.0409	-0.9714	-0.9146	-0.8671	-0.8270	-0.7926	-0.7627
2.25	-3.4388	-2.5392	-2.0434	-1.7313	-1.5174	-1.3619	-1.2437	-1.1509	-1.0761	-1.0146	-0.9630	-0.9191	-0.8814
2.50	-5.0950	-3.4290	-2.6224	-2.1523	-1.8460	-1.6310	-1.4721	-1.3498	-1.2529	-1.1741	-1.1088	-1.0538	-1.0069
2.75	-8.0782	-4.7439	-3.3926	-2.6773	-2.2384	-1.9429	-1.7307	-1.5711	-1.4468	-1.3471	-1.2655	-1.1974	-1.1397
3.00	-14.3940	-6.8248	-4.4540	-3.3458	-2.7135	-2.3074	-2.0254	-1.8185	-1.6602	-1.5353	-1.4343	-1.3508	-1.2807
3.25		-10.4424	-5.9824	-4.2187	-3.2975	-2.7378	-2.3636	-2.0963	-1.8961	-1.7406	-1.6164	-1.5149	-1.4303
3.50			-8.3214	-5.3933	-4.0282	-3.2518	-2.7546	-2.4101	-2.1578	-1.9652	-1.8135	-1.6908	-1.5896
3.75			-12.1753	-7.0344	-4.9621	-3.8737	-3.2107	-2.7667	-2.4494	-2.2118	-2.0272	-1.8797	-1.7592
4.00				-9.4365	-6.1859	-4.6376	-3.7478	-3.1746	-2.7760	-2.4834	-2.2597	-2.0831	-1.9403
4.25				-13.1691	-7.8386	-5.5924	-4.3876	-3.6447	-3.1435	-2.7837	-2.5132	-2.3026	-2.1340
4.50					-10.1539	-6.8103	-5.1589	-4.1909	-3.5596	-3.1173	-2.7906	-2.5399	-2.3414
4.75						-8.4010	-6.1022	-4.8313	-4.0336	-3.4893	-3.0952	-2.7972	-2.5641
5.00						-10.5387	-7.2747	-5.5899	-4.5772	-3.9062	-3.4307	-3.0769	-2.8037
6.00							-16.7228	-10.6627	-7.8210	-6.2118	-5.1883	-4.4842	-3.9719
7.00									-14.7145	-10.3750	-8.0320	-6.5888	-5.6187
8.00											-13.1375	-9.9705	-8.0644
9.00												-15.9628	-11.9491

EXHIBIT - II (Continued)

EXHIBIT - II (Continued)

VARIANCE OF K	SKEWNESS COEFFICIENT												
	4.2	4.4	4.6	4.8	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
0.03	-0.0113	-0.0112	-0.0111	-0.0110	-0.0109	-0.0107	-0.0105	-0.0103	-0.0101	-0.0100	-0.0099	-0.0097	-0.0096
0.04	-0.0148	-0.0146	-0.0145	-0.0143	-0.0142	-0.0139	-0.0136	-0.0134	-0.0132	-0.0130	-0.0128	-0.0126	-0.0125
0.05	-0.0181	-0.0180	-0.0178	-0.0176	-0.0174	-0.0171	-0.0167	-0.0164	-0.0162	-0.0159	-0.0157	-0.0155	-0.0153
0.06	-0.0215	-0.0213	-0.0210	-0.0208	-0.0206	-0.0202	-0.0198	-0.0194	-0.0191	-0.0188	-0.0186	-0.0183	-0.0181
0.07	-0.0248	-0.0245	-0.0243	-0.0240	-0.0238	-0.0233	-0.0228	-0.0224	-0.0220	-0.0217	-0.0214	-0.0211	-0.0209
0.08	-0.0281	-0.0278	-0.0275	-0.0272	-0.0269	-0.0263	-0.0258	-0.0253	-0.0249	-0.0246	-0.0242	-0.0239	-0.0236
0.09	-0.0314	-0.0310	-0.0307	-0.0304	-0.0301	-0.0294	-0.0288	-0.0283	-0.0278	-0.0274	-0.0270	-0.0267	-0.0264
0.10	-0.0346	-0.0342	-0.0339	-0.0335	-0.0332	-0.0324	-0.0318	-0.0312	-0.0307	-0.0302	-0.0298	-0.0294	-0.0291
0.15	-0.0508	-0.0502	-0.0496	-0.0491	-0.0486	-0.0474	-0.0464	-0.0456	-0.0448	-0.0441	-0.0435	-0.0430	-0.0425
0.20	-0.0669	-0.0660	-0.0653	-0.0645	-0.0638	-0.0623	-0.0609	-0.0598	-0.0588	-0.0579	-0.0571	-0.0564	-0.0557
0.25	-0.0830	-0.0819	-0.0809	-0.0799	-0.0791	-0.0771	-0.0754	-0.0739	-0.0726	-0.0715	-0.0705	-0.0696	-0.0688
0.30	-0.0992	-0.0978	-0.0966	-0.0954	-0.0943	-0.0918	-0.0898	-0.0880	-0.0864	-0.0851	-0.0838	-0.0828	-0.0818
0.35	-0.1155	-0.1138	-0.1123	-0.1109	-0.1095	-0.1066	-0.1041	-0.1020	-0.1001	-0.0985	-0.0971	-0.0958	-0.0947
0.40	-0.1318	-0.1299	-0.1281	-0.1264	-0.1248	-0.1214	-0.1185	-0.1160	-0.1138	-0.1119	-0.1103	-0.1088	-0.1075
0.45	-0.1483	-0.1460	-0.1439	-0.1420	-0.1402	-0.1362	-0.1328	-0.1300	-0.1275	-0.1253	-0.1234	-0.1217	-0.1202
0.50	-0.1649	-0.1623	-0.1599	-0.1577	-0.1556	-0.1510	-0.1472	-0.1439	-0.1411	-0.1386	-0.1365	-0.1345	-0.1328
0.55	-0.1817	-0.1787	-0.1759	-0.1734	-0.1711	-0.1659	-0.1616	-0.1579	-0.1547	-0.1519	-0.1495	-0.1473	-0.1454
0.60	-0.1985	-0.1952	-0.1921	-0.1892	-0.1866	-0.1808	-0.1760	-0.1719	-0.1683	-0.1652	-0.1625	-0.1601	-0.1579
0.65	-0.2155	-0.2118	-0.2083	-0.2051	-0.2022	-0.1958	-0.1904	-0.1858	-0.1819	-0.1785	-0.1754	-0.1728	-0.1704
0.70	-0.2327	-0.2285	-0.2247	-0.2211	-0.2179	-0.2108	-0.2048	-0.1998	-0.1954	-0.1917	-0.1884	-0.1855	-0.1828
0.75	-0.2500	-0.2453	-0.2411	-0.2372	-0.2336	-0.2258	-0.2193	-0.2138	-0.2090	-0.2049	-0.2013	-0.1981	-0.1952
0.80	-0.2674	-0.2623	-0.2577	-0.2534	-0.2495	-0.2409	-0.2338	-0.2277	-0.2226	-0.2181	-0.2142	-0.2107	-0.2076
0.85	-0.2850	-0.2794	-0.2743	-0.2697	-0.2654	-0.2561	-0.2483	-0.2417	-0.2361	-0.2313	-0.2270	-0.2233	-0.2199
0.90	-0.3027	-0.2966	-0.2911	-0.2860	-0.2814	-0.2713	-0.2629	-0.2558	-0.2497	-0.2444	-0.2399	-0.2358	-0.2322
0.95	-0.3206	-0.3140	-0.3080	-0.3025	-0.2975	-0.2865	-0.2774	-0.2698	-0.2633	-0.2576	-0.2527	-0.2483	-0.2445
1.00	-0.3387	-0.3315	-0.3250	-0.3191	-0.3136	-0.3018	-0.2921	-0.2839	-0.2768	-0.2708	-0.2655	-0.2608	-0.2567
1.25	-0.4313	-0.4211	-0.4119	-0.4035	-0.3959	-0.3794	-0.3658	-0.3545	-0.3449	-0.3366	-0.3294	-0.3231	-0.3175
1.50	-0.5283	-0.5145	-0.5020	-0.4907	-0.4805	-0.4586	-0.4407	-0.4259	-0.4133	-0.4025	-0.3932	-0.3850	-0.3778
1.75	-0.6299	-0.6118	-0.5956	-0.5810	-0.5678	-0.5397	-0.5169	-0.4981	-0.4822	-0.4687	-0.4570	-0.4468	-0.4378
2.00	-0.7366	-0.7135	-0.6929	-0.6745	-0.6579	-0.6227	-0.5945	-0.5713	-0.5518	-0.5353	-0.5210	-0.5086	-0.4977
2.25	-0.8485	-0.8197	-0.7941	-0.7714	-0.7509	-0.7079	-0.6736	-0.6455	-0.6221	-0.6023	-0.5853	-0.5705	-0.5575
2.50	-0.9663	-0.9308	-0.8996	-0.8719	-0.8471	-0.7953	-0.7543	-0.7209	-0.6932	-0.6699	-0.6499	-0.6326	-0.6174
2.75	-1.0902	-1.0473	-1.0096	-0.9764	-0.9467	-0.8851	-0.8367	-0.7976	-0.7653	-0.7381	-0.7149	-0.6949	-0.6773
3.00	-1.2209	-1.1694	-1.1245	-1.0850	-1.0499	-0.9775	-0.9210	-0.8756	-0.8382	-0.8070	-0.7804	-0.7574	-0.7374
3.25	-1.3588	-1.2976	-1.2444	-1.1979	-1.1569	-1.0726	-1.0072	-0.9550	-0.9122	-0.8766	-0.8463	-0.8203	-0.7977
3.50	-1.5046	-1.4323	-1.3699	-1.3156	-1.2679	-1.1704	-1.0954	-1.0359	-0.9873	-0.9470	-0.9129	-0.8837	-0.8583
3.75	-1.6589	-1.5740	-1.5013	-1.4383	-1.3832	-1.2713	-1.1858	-1.1183	-1.0636	-1.0183	-0.9801	-0.9474	-0.9191
4.00	-1.8224	-1.7234	-1.6391	-1.5663	-1.5030	-1.3753	-1.2785	-1.2024	-1.1411	-1.0905	-1.0479	-1.0116	-0.9803
4.25	-1.9960	-1.8809	-1.7836	-1.7000	-1.6276	-1.4826	-1.3734	-1.2883	-1.2198	-1.1636	-1.1165	-1.0764	-1.0419
4.50	-2.1805	-2.0473	-1.9353	-1.8398	-1.7574	-1.5933	-1.4709	-1.3759	-1.2999	-1.2377	-1.1858	-1.1417	-1.1038
4.75	-2.3769	-2.2233	-2.0949	-1.9861	-1.8926	-1.7078	-1.5709	-1.4654	-1.3814	-1.3129	-1.2559	-1.2076	-1.1662
5.00	-2.5864	-2.4096	-2.2629	-2.1392	-2.0335	-1.8261	-1.6737	-1.5569	-1.4644	-1.3892	-1.3268	-1.2741	-1.2290
6.00	-3.5831	-3.2783	-3.0332	-2.8317	-2.6632	-2.3423	-2.1145	-1.9442	-1.8119	-1.7061	-1.6194	-1.5470	-1.4856
7.00	-4.9253	-4.4063	-4.0039	-3.6831	-3.4216	-2.9395	-2.6100	-2.3702	-2.1879	-2.0443	-1.9282	-1.8324	-1.7517
8.00	-6.8047	-5.9157	-5.2570	-4.7506	-4.3495	-3.6380	-3.1714	-2.8419	-2.5967	-2.4069	-2.2556	-2.1319	-2.0289
9.00	-9.5675	-8.0105	-6.9208	-6.1189	-5.5058	-4.4642	-3.8127	-3.3673	-3.0435	-2.7974	-2.6039	-2.4476	-2.3186
10.00	-13.8897	-11.0515	-9.2056	-7.9195	-6.9765	-5.4541	-4.5515	-3.9561	-3.5342	-3.2196	-2.9759	-2.7813	-2.6222

TABLES OF K VALUES FOR SELECTED FREQUENCIES

These tables were derived by a computer program specifically developed for the purpose using the theories described in Ref. 3. Thus, the tables are deemed accurate. However, any inaccuracies noticed may please be brought to the attention of the author.

For each skew value, the tables are terminated when the form of LP type 3 density becomes U-shape or when the variance reaches a value of 10.0.

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
SKEWNESS COEFFICIENT= -2.0															
0.01	0.574	0.633	0.697	0.766	0.864	0.941	1.038	1.075	1.080	1.082	1.082	1.082	1.082	1.082	1.082
0.03	0.285	0.362	0.457	0.571	0.753	0.904	1.078	1.120	1.122	1.123	1.123	1.123	1.123	1.123	1.123
0.05	0.123	0.188	0.284	0.419	0.665	0.885	1.112	1.142	1.143	1.143	1.143	1.143	1.143	1.143	1.143
0.07	0.036	0.074	0.148	0.281	0.582	0.880	1.139	1.156	1.156	1.156	1.156	1.156	1.156	1.156	1.156
SKEWNESS COEFFICIENT= -1.8															
0.01	0.591	0.646	0.706	0.770	0.862	0.936	1.035	1.079	1.087	1.090	1.091	1.091	1.091	1.091	1.091
0.03	0.313	0.387	0.477	0.583	0.750	0.892	1.072	1.130	1.135	1.137	1.137	1.137	1.137	1.137	1.137
0.05	0.154	0.221	0.314	0.440	0.662	0.864	1.105	1.157	1.160	1.160	1.160	1.160	1.160	1.160	1.160
0.07	0.060	0.107	0.185	0.313	0.580	0.846	1.136	1.174	1.175	1.175	1.175	1.175	1.175	1.175	1.175
SKEWNESS COEFFICIENT= -1.6															
0.01	0.608	0.659	0.715	0.775	0.861	0.932	1.031	1.082	1.094	1.099	1.101	1.102	1.102	1.102	1.102
0.03	0.342	0.413	0.496	0.595	0.749	0.882	1.064	1.138	1.149	1.153	1.153	1.154	1.154	1.154	1.154
0.05	0.186	0.254	0.343	0.460	0.661	0.847	1.095	1.172	1.179	1.180	1.180	1.180	1.180	1.180	1.180
0.07	0.088	0.141	0.222	0.343	0.581	0.820	1.126	1.194	1.197	1.198	1.198	1.198	1.198	1.198	1.198
0.10	0.017	0.039	0.088	0.188	0.461	0.789	1.170	1.214	1.214	1.214	1.214	1.214	1.214	1.214	1.214
SKEWNESS COEFFICIENT= -1.4															
0.01	0.625	0.673	0.724	0.780	0.861	0.928	1.027	1.084	1.100	1.109	1.113	1.114	1.115	1.116	1.116
0.03	0.372	0.438	0.516	0.607	0.749	0.873	1.056	1.146	1.164	1.172	1.173	1.174	1.174	1.175	1.175
0.05	0.220	0.287	0.372	0.480	0.663	0.834	1.083	1.185	1.200	1.204	1.205	1.205	1.205	1.205	1.205
0.07	0.120	0.176	0.257	0.371	0.586	0.801	1.110	1.213	1.223	1.225	1.225	1.225	1.225	1.225	1.225
0.10	0.035	0.068	0.126	0.230	0.474	0.757	1.154	1.241	1.245	1.245	1.245	1.245	1.245	1.245	1.245
SKEWNESS COEFFICIENT= -1.2															
0.01	0.642	0.686	0.734	0.786	0.861	0.925	1.023	1.086	1.106	1.120	1.126	1.129	1.131	1.133	1.133
0.03	0.401	0.463	0.536	0.620	0.750	0.867	1.047	1.151	1.178	1.192	1.197	1.199	1.200	1.201	1.201
0.05	0.254	0.319	0.400	0.499	0.667	0.824	1.069	1.195	1.221	1.232	1.234	1.235	1.235	1.236	1.236
0.07	0.154	0.212	0.291	0.398	0.593	0.787	1.092	1.229	1.250	1.257	1.258	1.258	1.259	1.259	1.259
0.10	0.060	0.101	0.165	0.268	0.489	0.737	1.130	1.267	1.279	1.282	1.282	1.282	1.282	1.282	1.282
0.15	0.005	0.013	0.037	0.099	0.316	0.655	1.200	1.303	1.305	1.306	1.306	1.306	1.306	1.306	1.306
SKEWNESS COEFFICIENT= -1.0															
0.01	0.660	0.700	0.744	0.792	0.862	0.922	1.019	1.087	1.112	1.130	1.139	1.145	1.149	1.152	1.154
0.03	0.429	0.488	0.555	0.633	0.753	0.862	1.038	1.154	1.190	1.214	1.223	1.228	1.231	1.233	1.234
0.05	0.288	0.351	0.427	0.519	0.672	0.817	1.055	1.201	1.240	1.262	1.268	1.272	1.273	1.274	1.274
0.07	0.189	0.248	0.325	0.424	0.601	0.778	1.073	1.240	1.277	1.294	1.298	1.300	1.300	1.301	1.301
0.10	0.090	0.136	0.204	0.304	0.504	0.724	1.103	1.286	1.316	1.326	1.327	1.328	1.328	1.328	1.328
0.15	0.016	0.033	0.070	0.144	0.351	0.637	1.160	1.340	1.353	1.356	1.356	1.356	1.356	1.356	1.356
SKEWNESS COEFFICIENT= -0.8															
0.01	0.677	0.714	0.754	0.798	0.863	0.920	1.015	1.088	1.117	1.141	1.153	1.162	1.169	1.175	1.179
0.03	0.458	0.512	0.575	0.646	0.756	0.858	1.029	1.155	1.201	1.235	1.250	1.260	1.267	1.272	1.275
0.05	0.322	0.382	0.453	0.538	0.678	0.812	1.042	1.204	1.257	1.292	1.306	1.314	1.319	1.322	1.324
0.07	0.225	0.283	0.356	0.449	0.611	0.772	1.055	1.245	1.300	1.333	1.344	1.350	1.353	1.355	1.355
0.10	0.124	0.173	0.242	0.337	0.520	0.717	1.076	1.297	1.350	1.375	1.382	1.385	1.386	1.386	1.387
0.15	0.034	0.061	0.108	0.188	0.381	0.630	1.118	1.366	1.405	1.416	1.418	1.419	1.419	1.419	1.419
0.20	0.005	0.012	0.032	0.080	0.250	0.539	1.170	1.415	1.435	1.439	1.439	1.439	1.439	1.439	1.439
SKEWNESS COEFFICIENT= -0.6															
0.01	0.694	0.728	0.764	0.804	0.865	0.918	1.011	1.088	1.121	1.150	1.167	1.180	1.190	1.201	1.207
0.03	0.486	0.536	0.594	0.659	0.761	0.855	1.021	1.155	1.209	1.255	1.277	1.294	1.306	1.318	1.325
0.05	0.356	0.412	0.478	0.557	0.685	0.808	1.030	1.204	1.270	1.321	1.345	1.361	1.372	1.381	1.386
0.07	0.261	0.317	0.387	0.473	0.621	0.768	1.039	1.246	1.319	1.371	1.393	1.406	1.415	1.422	1.425
0.10	0.159	0.210	0.278	0.369	0.536	0.714	1.053	1.301	1.378	1.426	1.443	1.453	1.458	1.461	1.463
0.15	0.059	0.093	0.146	0.229	0.409	0.629	1.079	1.379	1.451	1.485	1.494	1.497	1.499	1.500	1.500
0.20	0.016	0.031	0.063	0.123	0.293	0.544	1.112	1.443	1.500	1.518	1.522	1.523	1.523	1.523	1.523
SKEWNESS COEFFICIENT= -0.4															
0.01	0.711	0.742	0.775	0.811	0.867	0.917	1.007	1.087	1.124	1.159	1.180	1.197	1.212	1.228	1.238
0.03	0.514	0.560	0.612	0.672	0.765	0.853	1.014	1.154	1.216	1.273	1.304	1.329	1.348	1.369	1.381
0.05	0.389	0.442	0.503	0.575	0.693	0.807	1.019	1.202	1.280	1.348	1.383	1.409	1.429	1.449	1.460
0.07	0.297	0.351	0.417	0.496	0.632	0.767	1.024	1.243	1.332	1.406	1.442	1.467	1.485	1.502	1.511
0.10	0.195	0.247	0.313	0.398	0.551	0.713	1.032	1.298	1.398	1.474	1.507	1.529	1.543	1.554	1.560
0.15	0.089	0.128	0.185	0.267	0.435	0.631	1.047	1.379	1.486	1.554	1.578	1.592	1.599	1.604	1.605
0.20	0.034	0.057	0.098	0.165	0.330	0.552	1.065	1.451	1.553	1.605	1.620	1.626	1.629	1.631	1.631
0.25	0.009	0.020	0.042	0.090	0.235	0.472	1.087	1.516	1.603	1.638	1.645	1.647	1.648	1.648	1.648

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	SKEWNESS COEFFICIENT= -0.2														
0.01	0.728	0.755	0.785	0.818	0.869	0.916	1.003	1.086	1.127	1.168	1.193	1.214	1.233	1.255	1.270
0.03	0.541	0.583	0.630	0.684	0.770	0.852	1.006	1.152	1.221	1.289	1.329	1.362	1.391	1.422	1.443
0.05	0.421	0.470	0.527	0.593	0.700	0.806	1.009	1.199	1.287	1.371	1.418	1.457	1.488	1.522	1.542
0.07	0.332	0.384	0.445	0.518	0.642	0.767	1.011	1.239	1.342	1.436	1.487	1.527	1.559	1.591	1.610
0.10	0.232	0.283	0.346	0.426	0.567	0.714	1.015	1.292	1.412	1.515	1.568	1.607	1.636	1.663	1.678
0.15	0.122	0.165	0.222	0.302	0.458	0.636	1.021	1.371	1.509	1.615	1.663	1.695	1.716	1.733	1.741
0.20	0.058	0.088	0.134	0.205	0.363	0.562	1.028	1.443	1.590	1.688	1.726	1.748	1.761	1.769	1.773
0.25	0.023	0.041	0.073	0.130	0.277	0.490	1.037	1.511	1.657	1.741	1.768	1.781	1.787	1.791	1.792
0.30	0.007	0.016	0.034	0.074	0.200	0.418	1.047	1.577	1.713	1.777	1.793	1.800	1.802	1.804	1.804
	SKEWNESS COEFFICIENT= 0.0														
0.01	0.745	0.769	0.795	0.825	0.871	0.915	1.000	1.085	1.129	1.175	1.205	1.231	1.255	1.284	1.304
0.03	0.567	0.605	0.648	0.697	0.776	0.851	1.000	1.149	1.224	1.303	1.352	1.395	1.433	1.477	1.507
0.05	0.453	0.498	0.549	0.610	0.708	0.806	1.000	1.194	1.292	1.391	1.451	1.502	1.547	1.597	1.630
0.07	0.367	0.415	0.471	0.539	0.653	0.767	1.000	1.233	1.348	1.461	1.529	1.585	1.633	1.685	1.718
0.10	0.269	0.317	0.377	0.451	0.581	0.717	1.000	1.283	1.420	1.549	1.623	1.682	1.730	1.780	1.811
0.15	0.157	0.200	0.258	0.335	0.479	0.642	1.000	1.358	1.521	1.666	1.742	1.798	1.840	1.881	1.904
0.20	0.086	0.121	0.171	0.243	0.392	0.573	1.000	1.427	1.609	1.758	1.829	1.877	1.910	1.939	1.953
0.25	0.043	0.068	0.107	0.169	0.313	0.507	1.000	1.493	1.688	1.832	1.892	1.930	1.953	1.971	1.979
0.30	0.019	0.034	0.061	0.111	0.243	0.443	1.000	1.558	1.758	1.889	1.938	1.965	1.979	1.989	1.993
0.35	0.007	0.015	0.032	0.067	0.180	0.379	1.000	1.621	1.820	1.934	1.970	1.987	1.995	2.000	2.001
	SKEWNESS COEFFICIENT= 0.2														
0.01	0.761	0.782	0.806	0.832	0.874	0.915	0.997	1.083	1.130	1.182	1.216	1.247	1.276	1.312	1.337
0.03	0.593	0.627	0.665	0.710	0.781	0.852	0.994	1.145	1.227	1.315	1.373	1.425	1.473	1.531	1.572
0.05	0.484	0.524	0.571	0.626	0.716	0.807	0.992	1.189	1.294	1.407	1.480	1.544	1.603	1.672	1.720
0.07	0.400	0.445	0.497	0.559	0.663	0.769	0.990	1.226	1.351	1.482	1.565	1.638	1.703	1.779	1.830
0.10	0.304	0.351	0.407	0.475	0.595	0.720	0.987	1.274	1.423	1.577	1.671	1.751	1.821	1.900	1.952
0.15	0.192	0.236	0.292	0.365	0.499	0.648	0.983	1.344	1.527	1.706	1.810	1.895	1.964	2.038	2.084
0.20	0.117	0.155	0.206	0.277	0.417	0.584	0.978	1.408	1.618	1.812	1.918	2.000	2.064	2.126	2.162
0.25	0.068	0.097	0.141	0.205	0.345	0.523	0.972	1.469	1.700	1.902	2.005	2.079	2.133	2.182	2.207
0.30	0.037	0.058	0.092	0.147	0.280	0.465	0.966	1.529	1.777	1.979	2.074	2.137	2.179	2.214	2.231
0.35	0.018	0.032	0.056	0.101	0.221	0.408	0.960	1.588	1.849	2.045	2.128	2.179	2.210	2.234	2.244
0.40	0.008	0.016	0.032	0.065	0.170	0.352	0.953	1.647	1.916	2.099	2.169	2.208	2.230	2.245	2.250
0.45	0.003	0.007	0.016	0.039	0.124	0.298	0.945	1.706	1.977	2.143	2.199	2.227	2.241	2.249	2.252
0.50	0.001	0.002	0.007	0.021	0.086	0.245	0.936	1.765	2.033	2.179	2.221	2.240	2.248	2.253	2.254
0.55	0.000	0.001	0.003	0.010	0.055	0.194	0.925	1.825	2.084	2.206	2.236	2.248	2.252	2.254	2.255
	SKEWNESS COEFFICIENT= 0.4														
0.01	0.777	0.795	0.816	0.839	0.877	0.915	0.993	1.081	1.131	1.188	1.226	1.262	1.297	1.340	1.371
0.03	0.618	0.648	0.682	0.722	0.787	0.852	0.989	1.141	1.228	1.326	1.392	1.453	1.511	1.584	1.637
0.05	0.513	0.550	0.592	0.642	0.724	0.808	0.985	1.183	1.296	1.421	1.505	1.583	1.656	1.745	1.810
0.07	0.433	0.473	0.521	0.578	0.673	0.771	0.981	1.219	1.352	1.499	1.597	1.686	1.769	1.870	1.941
0.10	0.339	0.382	0.435	0.498	0.608	0.724	0.977	1.264	1.424	1.598	1.712	1.814	1.906	2.017	2.093
0.15	0.226	0.270	0.324	0.392	0.517	0.655	0.969	1.330	1.527	1.736	1.867	1.981	2.080	2.195	2.271
0.20	0.149	0.188	0.239	0.308	0.440	0.594	0.961	1.389	1.618	1.852	1.993	2.111	2.210	2.318	2.387
0.25	0.095	0.128	0.174	0.239	0.373	0.537	0.952	1.445	1.701	1.954	2.099	2.215	2.308	2.405	2.463
0.30	0.058	0.084	0.123	0.182	0.312	0.484	0.943	1.498	1.780	2.044	2.189	2.298	2.383	2.465	2.511
0.35	0.034	0.053	0.084	0.135	0.258	0.432	0.932	1.551	1.854	2.126	2.265	2.365	2.438	2.505	2.539
0.40	0.018	0.032	0.055	0.097	0.209	0.383	0.921	1.604	1.926	2.198	2.329	2.417	2.477	2.528	2.553
0.45	0.009	0.018	0.034	0.067	0.165	0.334	0.909	1.656	1.994	2.262	2.382	2.458	2.506	2.543	2.560
0.50	0.004	0.009	0.020	0.044	0.127	0.288	0.896	1.709	2.060	2.319	2.425	2.487	2.524	2.551	2.562
0.55	0.002	0.004	0.010	0.027	0.093	0.243	0.881	1.763	2.123	2.368	2.459	2.508	2.535	2.552	2.559
0.60	0.001	0.002	0.005	0.015	0.066	0.200	0.865	1.818	2.183	2.410	2.486	2.524	2.542	2.553	2.557
0.65	0.000	0.001	0.002	0.008	0.043	0.160	0.847	1.873	2.239	2.444	2.506	2.533	2.545	2.552	2.554
	SKEWNESS COEFFICIENT= 0.6														
0.01	0.793	0.808	0.826	0.846	0.880	0.915	0.990	1.079	1.132	1.193	1.236	1.277	1.316	1.367	1.404
0.03	0.642	0.668	0.698	0.734	0.793	0.853	0.983	1.137	1.228	1.335	1.409	1.479	1.548	1.635	1.700
0.05	0.541	0.574	0.612	0.657	0.732	0.810	0.978	1.178	1.296	1.433	1.528	1.618	1.705	1.815	1.897
0.07	0.463	0.501	0.544	0.595	0.683	0.774	0.974	1.211	1.351	1.513	1.625	1.730	1.830	1.957	2.050
0.10	0.372	0.412	0.461	0.519	0.620	0.727	0.967	1.254	1.422	1.615	1.746	1.869	1.984	2.128	2.231
0.15	0.260	0.302	0.353	0.418	0.534	0.662	0.957	1.316	1.524	1.758	1.914	2.055	2.186	2.344	2.454
0.20	0.181	0.220	0.271	0.337	0.461	0.604	0.947	1.371	1.614	1.880	2.053	2.206	2.343	2.504	2.612
0.25	0.124	0.159	0.206	0.270	0.397	0.550	0.936	1.421	1.696	1.989	2.173	2.332	2.470	2.626	2.727
0.30	0.083	0.112	0.154	0.214	0.340	0.501	0.925	1.469	1.773	2.088	2.280	2.439	2.573	2.718	2.808
0.35	0.054	0.077	0.113	0.167	0.289	0.453	0.913	1.516	1.847	2.180	2.374	2.530	2.655	2.786	2.863
0.40	0.033	0.052	0.081	0.128	0.243	0.408	0.900	1.562	1.918	2.264	2.457	2.606	2.722	2.836	2.900
0.45	0.020	0.033	0.056	0.096	0.201	0.364	0.886	1.608	1.988	2.342	2.531	2.671	2.774	2.871	2.923
0.50	0.011	0.020	0.037	0.070	0.164	0.323	0.871	1.653	2.055	2.415	2.596	2.725	2.815	2.894	2.935
0.55	0.006	0.012	0.024	0.049	0.131	0.282	0.855	1.699	2.121	2.481	2.653	2.768	2.845	2.909	2.939
0.60	0.003	0.006	0.014	0.033	0.101	0.244	0.838	1.745	2.186	2.542	2.702	2.803	2.867	2.916	2.938
0.65	0.001	0.003	0.008	0.021	0.077	0.207	0.819	1.793	2.250	2.598	2.743	2.830	2.882	2.919	2.934
0.70	0.000	0.001	0.004	0.013	0.056	0.173	0.799	1.841	2.311	2.648	2.778	2.851	2.891	2.918	2.928
0.75	0.000	0.001	0.002	0.007	0.039	0.140	0.777	1.890	2.371	2.692	2.806	2.865	2.896	2.915	2.921
0.80	0.000	0.000	0.001	0.004	0.025	0.111	0.753	1.941	2.430	2.731	2.828	2.875	2.897	2.910	2.914

							NON-EXCEEDANCE PROBABILITY								
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
				RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS											
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
				RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS											
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
							SKEWNESS COEFFICIENT= 0.8								
0.01	0.808	0.821	0.836	0.853	0.884	0.916	0.988	1.077	1.132	1.198	1.245	1.290	1.335	1.393	1.437
0.03	0.665	0.687	0.714	0.745	0.798	0.854	0.979	1.133	1.228	1.342	1.424	1.503	1.582	1.684	1.761
0.05	0.568	0.597	0.631	0.671	0.740	0.812	0.973	1.172	1.295	1.442	1.547	1.650	1.750	1.882	1.980
0.07	0.493	0.526	0.565	0.612	0.692	0.777	0.967	1.204	1.349	1.524	1.648	1.768	1.886	2.039	2.154
0.10	0.403	0.441	0.485	0.539	0.632	0.732	0.960	1.245	1.420	1.628	1.775	1.917	2.055	2.232	2.363
0.15	0.292	0.332	0.381	0.441	0.549	0.668	0.948	1.303	1.519	1.774	1.952	2.120	2.280	2.483	2.630
0.20	0.212	0.251	0.300	0.363	0.480	0.613	0.936	1.353	1.607	1.900	2.101	2.287	2.461	2.677	2.830
0.25	0.153	0.189	0.236	0.298	0.419	0.562	0.924	1.400	1.686	2.013	2.232	2.431	2.613	2.832	2.984
0.30	0.109	0.140	0.184	0.244	0.365	0.516	0.912	1.443	1.761	2.117	2.349	2.556	2.741	2.957	3.102
0.35	0.076	0.103	0.141	0.197	0.317	0.471	0.899	1.485	1.833	2.214	2.457	2.667	2.851	3.058	3.193
0.40	0.051	0.074	0.107	0.158	0.273	0.430	0.885	1.525	1.902	2.305	2.555	2.765	2.944	3.138	3.260
0.45	0.034	0.052	0.080	0.125	0.233	0.389	0.870	1.565	1.969	2.391	2.644	2.852	3.022	3.202	3.310
0.50	0.022	0.035	0.058	0.097	0.197	0.351	0.855	1.604	2.035	2.473	2.727	2.929	3.089	3.251	3.345
0.55	0.013	0.023	0.041	0.074	0.164	0.314	0.839	1.643	2.100	2.551	2.802	2.996	3.144	3.288	3.367
0.60	0.008	0.015	0.028	0.055	0.135	0.279	0.822	1.682	2.164	2.624	2.871	3.054	3.189	3.314	3.380
0.65	0.004	0.009	0.019	0.040	0.109	0.246	0.804	1.721	2.227	2.694	2.934	3.104	3.225	3.332	3.386
0.70	0.002	0.005	0.012	0.028	0.087	0.214	0.784	1.760	2.289	2.760	2.990	3.147	3.253	3.342	3.385
0.75	0.001	0.003	0.007	0.019	0.067	0.184	0.764	1.800	2.352	2.821	3.040	3.182	3.274	3.347	3.380
0.80	0.000	0.001	0.004	0.012	0.051	0.156	0.742	1.840	2.413	2.879	3.084	3.210	3.288	3.346	3.371
0.85	0.000	0.001	0.002	0.007	0.037	0.129	0.719	1.882	2.474	2.932	3.123	3.234	3.300	3.346	3.363
0.90	0.000	0.000	0.001	0.004	0.026	0.105	0.694	1.924	2.534	2.982	3.157	3.254	3.308	3.343	3.356
0.95	0.000	0.000	0.000	0.002	0.018	0.084	0.667	1.967	2.593	3.028	3.186	3.269	3.312	3.339	3.348
1.00	0.000	0.000	0.000	0.001	0.011	0.065	0.639	2.011	2.652	3.070	3.210	3.280	3.313	3.333	3.339
							SKEWNESS COEFFICIENT= 1.0								
0.01	0.823	0.833	0.845	0.860	0.887	0.916	0.985	1.075	1.132	1.202	1.253	1.303	1.353	1.419	1.469
0.03	0.687	0.706	0.729	0.756	0.804	0.856	0.975	1.129	1.227	1.348	1.437	1.525	1.613	1.730	1.820
0.05	0.594	0.619	0.649	0.685	0.747	0.814	0.967	1.166	1.293	1.449	1.564	1.678	1.792	1.944	2.060
0.07	0.521	0.551	0.586	0.628	0.701	0.779	0.961	1.197	1.347	1.532	1.668	1.802	1.937	2.115	2.252
0.10	0.433	0.467	0.508	0.557	0.643	0.736	0.953	1.235	1.416	1.638	1.800	1.959	2.118	2.328	2.487
0.15	0.324	0.361	0.407	0.463	0.563	0.674	0.940	1.290	1.513	1.786	1.982	2.174	2.363	2.609	2.794
0.20	0.243	0.281	0.328	0.387	0.497	0.621	0.927	1.337	1.598	1.913	2.138	2.355	2.565	2.834	3.033
0.25	0.182	0.218	0.264	0.324	0.439	0.573	0.914	1.380	1.675	2.028	2.276	2.512	2.737	3.020	3.225
0.30	0.135	0.168	0.212	0.271	0.387	0.529	0.901	1.420	1.748	2.135	2.402	2.652	2.887	3.176	3.380
0.35	0.099	0.128	0.169	0.225	0.341	0.487	0.888	1.457	1.816	2.234	2.518	2.779	3.018	3.307	3.507
0.40	0.072	0.097	0.133	0.186	0.299	0.448	0.874	1.493	1.882	2.329	2.626	2.894	3.135	3.419	3.610
0.45	0.051	0.072	0.104	0.152	0.261	0.411	0.859	1.528	1.947	2.419	2.727	2.998	3.238	3.513	3.692
0.50	0.035	0.053	0.080	0.123	0.226	0.375	0.844	1.562	2.009	2.506	2.822	3.094	3.329	3.591	3.757
0.55	0.024	0.038	0.060	0.098	0.194	0.341	0.828	1.596	2.071	2.589	2.910	3.181	3.409	3.655	3.807
0.60	0.016	0.027	0.045	0.078	0.166	0.309	0.812	1.629	2.132	2.669	2.994	3.260	3.479	3.707	3.843
0.65	0.010	0.018	0.033	0.060	0.140	0.278	0.794	1.661	2.192	2.746	3.072	3.332	3.540	3.750	3.870
0.70	0.006	0.012	0.023	0.046	0.117	0.248	0.776	1.693	2.251	2.821	3.145	3.398	3.593	3.784	3.890
0.75	0.004	0.008	0.016	0.034	0.096	0.220	0.757	1.726	2.310	2.893	3.214	3.457	3.638	3.808	3.900
0.80	0.002	0.005	0.011	0.025	0.078	0.194	0.737	1.758	2.370	2.962	3.277	3.508	3.674	3.824	3.901
0.85	0.001	0.003	0.007	0.018	0.062	0.168	0.716	1.791	2.428	3.028	3.337	3.554	3.706	3.837	3.902
0.90	0.001	0.002	0.004	0.012	0.049	0.145	0.695	1.824	2.487	3.092	3.391	3.595	3.732	3.846	3.900
0.95	0.000	0.001	0.003	0.008	0.037	0.123	0.672	1.857	2.546	3.154	3.441	3.629	3.751	3.848	3.891
1.00	0.000	0.000	0.001	0.005	0.028	0.103	0.648	1.891	2.605	3.211	3.486	3.657	3.764	3.844	3.878
1.25	0.000	0.000	0.000	0.000	0.004	0.031	0.511	2.068	2.896	3.459	3.651	3.747	3.793	3.820	3.828

NON-EXCEEDANCE PROBABILITY	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS															
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
SKEWNESS COEFFICIENT= 1.2															
0.01	0.836	0.845	0.855	0.867	0.891	0.917	0.982	1.072	1.131	1.205	1.260	1.315	1.370	1.443	1.500
0.03	0.707	0.724	0.743	0.767	0.810	0.857	0.971	1.124	1.226	1.353	1.449	1.545	1.642	1.774	1.877
0.05	0.618	0.640	0.666	0.698	0.755	0.816	0.963	1.160	1.290	1.455	1.579	1.704	1.830	2.002	2.136
0.07	0.547	0.574	0.605	0.643	0.710	0.783	0.956	1.190	1.344	1.539	1.685	1.833	1.983	2.186	2.345
0.10	0.462	0.493	0.529	0.574	0.653	0.740	0.947	1.227	1.411	1.645	1.820	1.996	2.174	2.416	2.603
0.15	0.353	0.388	0.430	0.483	0.576	0.680	0.933	1.278	1.506	1.794	2.007	2.221	2.436	2.724	2.946
0.20	0.272	0.308	0.353	0.409	0.512	0.629	0.920	1.323	1.589	1.922	2.168	2.411	2.654	2.975	3.220
0.25	0.210	0.245	0.290	0.348	0.456	0.583	0.907	1.363	1.664	2.038	2.311	2.579	2.843	3.188	3.446
0.30	0.161	0.194	0.238	0.295	0.407	0.541	0.893	1.399	1.733	2.145	2.442	2.730	3.010	3.370	3.636
0.35	0.123	0.153	0.194	0.250	0.362	0.501	0.880	1.433	1.799	2.246	2.564	2.868	3.160	3.530	3.797
0.40	0.093	0.120	0.158	0.211	0.322	0.464	0.866	1.466	1.862	2.341	2.678	2.996	3.296	3.669	3.934
0.45	0.069	0.093	0.127	0.177	0.285	0.429	0.851	1.497	1.923	2.433	2.786	3.114	3.420	3.792	4.051
0.50	0.051	0.072	0.102	0.148	0.252	0.396	0.836	1.527	1.982	2.521	2.888	3.225	3.532	3.899	4.149
0.55	0.037	0.054	0.081	0.122	0.221	0.364	0.821	1.556	2.040	2.607	2.986	3.327	3.634	3.992	4.230
0.60	0.026	0.041	0.063	0.100	0.193	0.334	0.805	1.585	2.098	2.690	3.079	3.423	3.726	4.072	4.296
0.65	0.019	0.030	0.049	0.081	0.167	0.305	0.789	1.612	2.154	2.770	3.168	3.513	3.811	4.142	4.353
0.70	0.013	0.022	0.037	0.065	0.144	0.277	0.771	1.640	2.209	2.848	3.253	3.597	3.887	4.203	4.397
0.75	0.009	0.015	0.028	0.052	0.123	0.250	0.754	1.667	2.265	2.925	3.334	3.674	3.955	4.252	4.429
0.80	0.006	0.011	0.021	0.041	0.104	0.225	0.736	1.693	2.320	3.000	3.411	3.746	4.017	4.295	4.457
0.85	0.004	0.007	0.015	0.031	0.087	0.202	0.717	1.720	2.374	3.073	3.485	3.813	4.072	4.330	4.476
0.90	0.002	0.005	0.010	0.024	0.072	0.179	0.697	1.746	2.429	3.144	3.555	3.873	4.118	4.353	4.483
0.95	0.001	0.003	0.007	0.017	0.059	0.158	0.677	1.772	2.483	3.213	3.622	3.931	4.162	4.379	4.494
1.00	0.001	0.002	0.005	0.013	0.048	0.138	0.656	1.798	2.538	3.281	3.685	3.982	4.198	4.393	4.493
1.25	0.000	0.000	0.000	0.002	0.012	0.060	0.541	1.930	2.813	3.591	3.948	4.171	4.310	4.413	4.457
1.50	0.000	0.000	0.000	0.000	0.001	0.017	0.407	2.068	3.094	3.850	4.125	4.268	4.339	4.381	4.396
1.75	0.000	0.000	0.000	0.000	0.000	0.002	0.260	2.220	3.380	4.049	4.227	4.299	4.327	4.341	4.345
SKEWNESS COEFFICIENT= 1.4															
0.01	0.849	0.856	0.864	0.874	0.894	0.918	0.980	1.070	1.130	1.208	1.267	1.326	1.386	1.467	1.529
0.03	0.727	0.740	0.757	0.778	0.816	0.859	0.967	1.120	1.224	1.358	1.459	1.563	1.670	1.816	1.930
0.05	0.641	0.660	0.683	0.711	0.762	0.819	0.959	1.155	1.288	1.460	1.592	1.726	1.865	2.056	2.208
0.07	0.572	0.595	0.623	0.657	0.718	0.786	0.951	1.183	1.340	1.544	1.700	1.859	2.024	2.251	2.432
0.10	0.488	0.516	0.549	0.590	0.663	0.744	0.942	1.218	1.406	1.650	1.837	2.028	2.225	2.496	2.711
0.15	0.381	0.413	0.453	0.501	0.588	0.686	0.927	1.268	1.499	1.799	2.027	2.260	2.500	2.828	3.086
0.20	0.300	0.334	0.376	0.429	0.526	0.636	0.914	1.310	1.579	1.927	2.191	2.458	2.731	3.102	3.391
0.25	0.236	0.271	0.314	0.369	0.472	0.592	0.900	1.347	1.652	2.043	2.337	2.634	2.934	3.337	3.648
0.30	0.186	0.220	0.262	0.318	0.424	0.551	0.887	1.381	1.719	2.150	2.472	2.793	3.115	3.543	3.869
0.35	0.146	0.177	0.218	0.273	0.381	0.514	0.873	1.413	1.782	2.250	2.597	2.940	3.280	3.726	4.061
0.40	0.114	0.143	0.181	0.234	0.342	0.478	0.859	1.442	1.842	2.346	2.716	3.077	3.431	3.890	4.230
0.45	0.088	0.114	0.150	0.201	0.307	0.445	0.845	1.470	1.900	2.438	2.828	3.205	3.571	4.037	4.377
0.50	0.068	0.091	0.123	0.171	0.274	0.413	0.831	1.497	1.956	2.526	2.935	3.326	3.700	4.169	4.505
0.55	0.052	0.072	0.101	0.145	0.244	0.383	0.816	1.523	2.011	2.612	3.038	3.440	3.820	4.289	4.620
0.60	0.039	0.056	0.082	0.122	0.217	0.355	0.801	1.548	2.064	2.696	3.137	3.549	3.932	4.397	4.718
0.65	0.029	0.043	0.066	0.102	0.192	0.327	0.785	1.573	2.117	2.777	3.232	3.651	4.035	4.492	4.802
0.70	0.021	0.033	0.052	0.085	0.169	0.301	0.769	1.596	2.169	2.857	3.324	3.749	4.132	4.579	4.877
0.75	0.015	0.025	0.041	0.070	0.148	0.276	0.752	1.619	2.220	2.935	3.413	3.841	4.221	4.655	4.939
0.80	0.011	0.019	0.032	0.057	0.129	0.253	0.735	1.641	2.271	3.011	3.499	3.929	4.303	4.724	4.992
0.85	0.008	0.014	0.025	0.046	0.111	0.230	0.718	1.663	2.321	3.086	3.583	4.012	4.380	4.784	5.037
0.90	0.005	0.010	0.019	0.037	0.096	0.208	0.700	1.685	2.372	3.160	3.663	4.090	4.449	4.835	5.070
0.95	0.003	0.007	0.014	0.029	0.082	0.188	0.682	1.706	2.422	3.233	3.741	4.165	4.515	4.883	5.102
1.00	0.002	0.005	0.010	0.023	0.069	0.169	0.663	1.727	2.472	3.305	3.815	4.234	4.572	4.918	5.119
1.25	0.000	0.001	0.002	0.005	0.025	0.089	0.562	1.828	2.721	3.644	4.152	4.526	4.795	5.037	5.160
1.50	0.000	0.000	0.000	0.001	0.006	0.037	0.451	1.927	2.976	3.954	4.421	4.719	4.908	5.051	5.112
1.75	0.000	0.000	0.000	0.000	0.001	0.011	0.331	2.024	3.239	4.231	4.626	4.843	4.958	5.031	5.057
2.00	0.000	0.000	0.000	0.000	0.000	0.001	0.209	2.124	3.513	4.459	4.758	4.890	4.948	4.977	4.987

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	SKEWNESS COEFFICIENT= 1.6														
0.01	0.861	0.866	0.872	0.881	0.898	0.919	0.978	1.067	1.129	1.211	1.273	1.336	1.401	1.489	1.558
0.03	0.745	0.756	0.770	0.788	0.821	0.861	0.964	1.116	1.222	1.361	1.469	1.580	1.695	1.854	1.982
0.05	0.663	0.679	0.698	0.723	0.769	0.821	0.955	1.149	1.285	1.464	1.603	1.747	1.897	2.107	2.275
0.07	0.596	0.616	0.640	0.671	0.726	0.789	0.947	1.176	1.336	1.547	1.712	1.883	2.062	2.312	2.513
0.10	0.514	0.538	0.568	0.605	0.672	0.748	0.937	1.210	1.401	1.654	1.851	2.055	2.269	2.569	2.810
0.15	0.407	0.437	0.473	0.518	0.600	0.691	0.922	1.258	1.492	1.802	2.044	2.294	2.556	2.921	3.214
0.20	0.326	0.358	0.398	0.448	0.539	0.643	0.909	1.298	1.570	1.930	2.209	2.498	2.798	3.214	3.545
0.25	0.262	0.295	0.336	0.389	0.487	0.600	0.895	1.333	1.640	2.045	2.358	2.679	3.011	3.468	3.829
0.30	0.210	0.243	0.285	0.338	0.440	0.561	0.882	1.365	1.705	2.151	2.494	2.844	3.204	3.694	4.077
0.35	0.169	0.200	0.241	0.294	0.398	0.525	0.868	1.394	1.765	2.251	2.622	2.998	3.380	3.897	4.297
0.40	0.135	0.165	0.203	0.256	0.361	0.491	0.854	1.422	1.823	2.346	2.742	3.141	3.543	4.081	4.493
0.45	0.108	0.135	0.171	0.222	0.326	0.459	0.841	1.448	1.878	2.437	2.857	3.277	3.696	4.250	4.669
0.50	0.085	0.110	0.144	0.192	0.294	0.429	0.826	1.472	1.932	2.525	2.967	3.405	3.839	4.405	4.827
0.55	0.067	0.089	0.120	0.166	0.265	0.400	0.812	1.495	1.983	2.610	3.073	3.527	3.973	4.546	4.969
0.60	0.052	0.072	0.100	0.143	0.239	0.373	0.797	1.518	2.034	2.693	3.176	3.644	4.099	4.676	5.096
0.65	0.041	0.058	0.083	0.122	0.214	0.347	0.782	1.539	2.083	2.774	3.275	3.756	4.218	4.797	5.211
0.70	0.031	0.046	0.068	0.104	0.191	0.322	0.767	1.560	2.132	2.853	3.371	3.864	4.330	4.906	5.312
0.75	0.024	0.036	0.056	0.088	0.170	0.298	0.752	1.580	2.179	2.931	3.465	3.967	4.437	5.009	5.406
0.80	0.018	0.028	0.045	0.074	0.151	0.276	0.736	1.600	2.227	3.007	3.556	4.065	4.536	5.101	5.485
0.85	0.013	0.022	0.036	0.062	0.134	0.254	0.720	1.618	2.273	3.082	3.644	4.161	4.631	5.186	5.558
0.90	0.010	0.017	0.029	0.052	0.117	0.233	0.703	1.637	2.319	3.156	3.731	4.252	4.720	5.263	5.620
0.95	0.007	0.013	0.023	0.043	0.103	0.214	0.686	1.654	2.365	3.229	3.815	4.340	4.805	5.334	5.676
1.00	0.005	0.009	0.018	0.035	0.089	0.195	0.669	1.672	2.410	3.302	3.898	4.423	4.882	5.396	5.721
1.25	0.001	0.002	0.004	0.011	0.040	0.116	0.579	1.753	2.635	3.651	4.279	4.794	5.208	5.627	5.867
1.50	0.000	0.000	0.001	0.002	0.015	0.060	0.482	1.826	2.861	3.981	4.614	5.086	5.429	5.741	5.899
1.75	0.000	0.000	0.000	0.000	0.004	0.025	0.380	1.892	3.092	4.293	4.897	5.302	5.565	5.773	5.866
2.00	0.000	0.000	0.000	0.000	0.001	0.008	0.276	1.953	3.332	4.582	5.129	5.450	5.633	5.758	5.804
2.25	0.000	0.000	0.000	0.000	0.000	0.001	0.176	2.008	3.583	4.845	5.306	5.537	5.650	5.713	5.734
	SKEWNESS COEFFICIENT= 1.8														
0.01	0.873	0.876	0.880	0.887	0.902	0.921	0.976	1.064	1.128	1.213	1.278	1.346	1.415	1.511	1.586
0.03	0.762	0.771	0.782	0.797	0.827	0.863	0.961	1.111	1.219	1.363	1.477	1.594	1.718	1.891	2.030
0.05	0.683	0.696	0.713	0.734	0.776	0.824	0.951	1.144	1.281	1.466	1.612	1.765	1.926	2.154	2.338
0.07	0.618	0.635	0.656	0.683	0.734	0.792	0.943	1.170	1.332	1.550	1.722	1.904	2.095	2.367	2.588
0.10	0.537	0.559	0.586	0.620	0.681	0.752	0.933	1.203	1.396	1.656	1.862	2.079	2.309	2.636	2.902
0.15	0.432	0.459	0.492	0.534	0.610	0.696	0.918	1.248	1.485	1.804	2.057	2.323	2.605	3.005	3.330
0.20	0.351	0.381	0.418	0.465	0.551	0.649	0.904	1.286	1.561	1.931	2.223	2.531	2.855	3.314	3.686
0.25	0.286	0.318	0.357	0.407	0.500	0.608	0.891	1.320	1.629	2.045	2.373	2.716	3.077	3.584	3.992
0.30	0.234	0.266	0.306	0.357	0.454	0.570	0.877	1.350	1.691	2.150	2.511	2.886	3.278	3.826	4.264
0.35	0.191	0.222	0.262	0.314	0.414	0.535	0.864	1.378	1.750	2.249	2.639	3.044	3.464	4.046	4.507
0.40	0.156	0.185	0.224	0.276	0.377	0.502	0.850	1.404	1.805	2.343	2.761	3.192	3.637	4.248	4.727
0.45	0.127	0.155	0.192	0.242	0.343	0.471	0.837	1.428	1.858	2.433	2.878	3.333	3.799	4.434	4.928
0.50	0.103	0.129	0.163	0.212	0.312	0.442	0.823	1.450	1.909	2.520	2.989	3.467	3.952	4.607	5.111
0.55	0.083	0.106	0.139	0.186	0.284	0.415	0.809	1.472	1.958	2.604	3.097	3.595	4.097	4.767	5.278
0.60	0.066	0.088	0.118	0.162	0.258	0.389	0.795	1.492	2.006	2.685	3.201	3.718	4.235	4.918	5.432
0.65	0.053	0.072	0.100	0.141	0.234	0.364	0.781	1.512	2.053	2.765	3.302	3.836	4.366	5.057	5.572
0.70	0.042	0.059	0.084	0.122	0.211	0.340	0.766	1.530	2.098	2.843	3.400	3.951	4.491	5.189	5.702
0.75	0.033	0.048	0.070	0.106	0.191	0.317	0.752	1.548	2.143	2.920	3.497	4.061	4.610	5.311	5.820
0.80	0.026	0.039	0.059	0.091	0.171	0.296	0.737	1.565	2.187	2.995	3.590	4.168	4.724	5.426	5.928
0.85	0.020	0.031	0.049	0.078	0.154	0.275	0.722	1.582	2.230	3.069	3.682	4.271	4.833	5.532	6.027
0.90	0.016	0.025	0.040	0.066	0.138	0.255	0.706	1.598	2.273	3.142	3.772	4.371	4.937	5.633	6.117
0.95	0.012	0.020	0.033	0.056	0.123	0.236	0.691	1.613	2.315	3.214	3.860	4.468	5.036	5.725	6.197
1.00	0.009	0.015	0.027	0.048	0.109	0.218	0.675	1.628	2.356	3.286	3.946	4.562	5.132	5.812	6.273
1.25	0.002	0.004	0.008	0.018	0.056	0.141	0.593	1.695	2.561	3.632	4.354	4.991	5.544	6.157	6.540
1.50	0.000	0.001	0.002	0.006	0.025	0.083	0.506	1.752	2.761	3.965	4.726	5.354	5.862	6.378	6.674
1.75	0.000	0.000	0.000	0.001	0.009	0.043	0.417	1.800	2.962	4.286	5.062	5.655	6.095	6.501	6.711
2.00	0.000	0.000	0.000	0.000	0.002	0.019	0.326	1.840	3.168	4.597	5.358	5.890	6.249	6.543	6.680
2.25	0.000	0.000	0.000	0.000	0.000	0.006	0.237	1.870	3.379	4.894	5.620	6.076	6.353	6.555	6.635
2.50	0.000	0.000	0.000	0.000	0.000	0.001	0.155	1.891	3.600	5.179	5.840	6.210	6.407	6.533	6.577
2.75	0.000	0.000	0.000	0.000	0.000	0.000	0.086	1.899	3.835	5.442	6.015	6.292	6.421	6.490	6.513

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	SKEWNESS COEFFICIENT= 2.0														
0.01	0.883	0.885	0.888	0.893	0.905	0.922	0.974	1.062	1.127	1.214	1.283	1.354	1.428	1.531	1.613
0.03	0.778	0.785	0.794	0.807	0.833	0.865	0.958	1.107	1.217	1.365	1.483	1.608	1.739	1.925	2.076
0.05	0.701	0.712	0.726	0.745	0.782	0.827	0.948	1.139	1.278	1.468	1.620	1.781	1.953	2.197	2.397
0.07	0.638	0.653	0.671	0.695	0.741	0.795	0.940	1.164	1.328	1.552	1.731	1.922	2.126	2.418	2.658
0.10	0.559	0.578	0.602	0.633	0.689	0.756	0.930	1.196	1.390	1.657	1.872	2.100	2.345	2.697	2.987
0.15	0.455	0.480	0.510	0.549	0.620	0.701	0.914	1.240	1.477	1.804	2.067	2.347	2.648	3.080	3.437
0.20	0.374	0.402	0.437	0.481	0.562	0.655	0.900	1.276	1.552	1.930	2.234	2.559	2.905	3.403	3.812
0.25	0.309	0.339	0.376	0.424	0.512	0.614	0.887	1.309	1.618	2.043	2.385	2.747	3.134	3.687	4.139
0.30	0.256	0.286	0.325	0.374	0.467	0.578	0.874	1.337	1.679	2.147	2.523	2.920	3.342	3.942	4.430
0.35	0.212	0.242	0.281	0.331	0.428	0.544	0.860	1.364	1.735	2.245	2.652	3.081	3.535	4.176	4.694
0.40	0.175	0.205	0.243	0.294	0.392	0.512	0.847	1.388	1.789	2.338	2.775	3.233	3.715	4.392	4.935
0.45	0.145	0.173	0.210	0.260	0.359	0.482	0.834	1.410	1.840	2.426	2.891	3.377	3.885	4.593	5.156
0.50	0.120	0.146	0.182	0.230	0.329	0.454	0.821	1.431	1.888	2.512	3.004	3.515	4.046	4.781	5.361
0.55	0.099	0.123	0.157	0.204	0.301	0.428	0.807	1.451	1.935	2.595	3.112	3.647	4.199	4.957	5.551
0.60	0.081	0.104	0.135	0.180	0.275	0.402	0.794	1.470	1.981	2.675	3.217	3.774	4.346	5.124	5.727
0.65	0.066	0.087	0.116	0.158	0.251	0.378	0.780	1.488	2.025	2.753	3.319	3.897	4.486	5.280	5.890
0.70	0.054	0.072	0.099	0.139	0.229	0.356	0.766	1.505	2.068	2.830	3.418	4.016	4.621	5.429	6.044
0.75	0.044	0.060	0.085	0.122	0.209	0.334	0.752	1.521	2.110	2.905	3.516	4.131	4.750	5.568	6.184
0.80	0.035	0.050	0.072	0.107	0.190	0.313	0.738	1.536	2.151	2.978	3.610	4.244	4.875	5.702	6.319
0.85	0.028	0.041	0.061	0.093	0.172	0.293	0.724	1.551	2.192	3.051	3.703	4.353	4.994	5.826	6.439
0.90	0.022	0.034	0.052	0.081	0.156	0.274	0.709	1.565	2.232	3.122	3.795	4.459	5.110	5.946	6.557
0.95	0.018	0.027	0.043	0.070	0.141	0.256	0.694	1.579	2.271	3.193	3.885	4.562	5.222	6.058	6.661
1.00	0.014	0.022	0.036	0.061	0.127	0.238	0.680	1.592	2.309	3.263	3.973	4.663	5.329	6.165	6.761
1.25	0.004	0.007	0.014	0.027	0.072	0.163	0.604	1.649	2.496	3.602	4.394	5.132	5.811	6.613	7.150
1.50	0.001	0.002	0.004	0.010	0.037	0.104	0.525	1.696	2.677	3.928	4.785	5.546	6.208	6.940	7.396
1.75	0.000	0.000	0.001	0.003	0.017	0.062	0.445	1.732	2.854	4.246	5.151	5.911	6.533	7.171	7.540
2.00	0.000	0.000	0.000	0.001	0.006	0.033	0.364	1.760	3.030	4.557	5.489	6.222	6.778	7.304	7.581
2.25	0.000	0.000	0.000	0.000	0.002	0.015	0.285	1.777	3.209	4.864	5.805	6.492	6.978	7.396	7.598
2.50	0.000	0.000	0.000	0.000	0.000	0.005	0.209	1.786	3.392	5.161	6.085	6.702	7.101	7.409	7.542
2.75	0.000	0.000	0.000	0.000	0.000	0.001	0.141	1.781	3.580	5.455	6.342	6.884	7.201	7.422	7.506
3.00	0.000	0.000	0.000	0.000	0.000	0.000	0.085	1.765	3.776	5.734	6.550	6.997	7.227	7.368	7.416
	SKEWNESS COEFFICIENT= 2.2														
0.01	0.891	0.893	0.895	0.899	0.909	0.924	0.972	1.059	1.125	1.216	1.287	1.362	1.441	1.551	1.639
0.03	0.793	0.798	0.805	0.815	0.838	0.868	0.956	1.103	1.214	1.367	1.490	1.620	1.759	1.957	2.120
0.05	0.719	0.727	0.739	0.756	0.788	0.829	0.945	1.134	1.274	1.469	1.627	1.796	1.977	2.237	2.453
0.07	0.657	0.669	0.685	0.707	0.748	0.798	0.937	1.158	1.323	1.552	1.738	1.938	2.153	2.465	2.724
0.10	0.579	0.596	0.618	0.645	0.697	0.759	0.926	1.189	1.385	1.658	1.880	2.118	2.377	2.752	3.065
0.15	0.476	0.499	0.527	0.562	0.629	0.706	0.911	1.232	1.471	1.804	2.075	2.368	2.686	3.148	3.534
0.20	0.395	0.422	0.454	0.495	0.572	0.661	0.897	1.267	1.543	1.928	2.243	2.582	2.949	3.482	3.927
0.25	0.330	0.359	0.394	0.439	0.523	0.621	0.884	1.298	1.608	2.041	2.393	2.773	3.183	3.777	4.271
0.30	0.276	0.306	0.343	0.390	0.479	0.585	0.870	1.326	1.667	2.144	2.532	2.948	3.397	4.044	4.579
0.35	0.232	0.262	0.299	0.348	0.440	0.552	0.858	1.351	1.722	2.240	2.661	3.112	3.595	4.289	4.860
0.40	0.194	0.224	0.261	0.310	0.405	0.521	0.845	1.374	1.774	2.331	2.784	3.266	3.781	4.517	5.119
0.45	0.163	0.191	0.228	0.277	0.373	0.492	0.832	1.395	1.823	2.419	2.900	3.412	3.957	4.730	5.358
0.50	0.136	0.164	0.199	0.247	0.343	0.465	0.819	1.415	1.870	2.503	3.013	3.552	4.124	4.931	5.581
0.55	0.114	0.140	0.174	0.220	0.316	0.439	0.806	1.434	1.915	2.584	3.121	3.687	4.284	5.120	5.790
0.60	0.095	0.119	0.151	0.196	0.291	0.415	0.792	1.451	1.958	2.663	3.226	3.817	4.437	5.300	5.986
0.65	0.079	0.101	0.131	0.175	0.267	0.392	0.779	1.468	2.000	2.740	3.328	3.943	4.584	5.470	6.169
0.70	0.066	0.086	0.114	0.155	0.245	0.369	0.766	1.483	2.041	2.814	3.428	4.065	4.726	5.633	6.343
0.75	0.054	0.073	0.099	0.138	0.225	0.348	0.752	1.498	2.081	2.888	3.525	4.184	4.863	5.787	6.504
0.80	0.045	0.061	0.085	0.122	0.206	0.328	0.739	1.512	2.120	2.960	3.621	4.300	4.996	5.936	6.659
0.85	0.037	0.052	0.074	0.108	0.189	0.309	0.725	1.526	2.158	3.031	3.714	4.413	5.124	6.076	6.803
0.90	0.030	0.043	0.063	0.095	0.173	0.290	0.712	1.538	2.196	3.101	3.806	4.523	5.249	6.212	6.940
0.95	0.024	0.036	0.054	0.084	0.157	0.273	0.698	1.551	2.232	3.169	3.896	4.631	5.369	6.341	7.069
1.00	0.020	0.030	0.046	0.073	0.143	0.256	0.684	1.562	2.268	3.237	3.985	4.737	5.486	6.463	7.188
1.25	0.006	0.011	0.020	0.036	0.087	0.182	0.613	1.613	2.441	3.567	4.411	5.232	6.021	7.002	7.692
1.50	0.002	0.003	0.007	0.016	0.049	0.124	0.541	1.652	2.605	3.883	4.812	5.683	6.484	7.429	8.059
1.75	0.000	0.001	0.002	0.006	0.026	0.080	0.467	1.681	2.764	4.192	5.191	6.089	6.876	7.751	8.297
2.00	0.000	0.000	0.001	0.002	0.012	0.047	0.394	1.701	2.918	4.496	5.553	6.459	7.213	8.000	8.460
2.25	0.000	0.000	0.000	0.001	0.005	0.026	0.322	1.711	3.071	4.795	5.895	6.790	7.489	8.170	8.541
2.50	0.000	0.000	0.000	0.000	0.002	0.012	0.253	1.712	3.224	5.091	6.217	7.075	7.705	8.270	8.554
2.75	0.000	0.000	0.000	0.000	0.000	0.005	0.189	1.703	3.379	5.387	6.519	7.328	7.881	8.335	8.547
3.00	0.000	0.000	0.000	0.000	0.000	0.002	0.132	1.682	3.536	5.679	6.802	7.545	8.015	8.370	8.517
3.50	0.000	0.000	0.000	0.000	0.000	0.000	0.047	1.602	3.864	6.249	7.278	7.846	8.139	8.319	8.380

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	SKEWNESS COEFFICIENT= 2.4														
0.01	0.899	0.900	0.902	0.905	0.913	0.925	0.971	1.056	1.123	1.216	1.291	1.370	1.452	1.569	1.663
0.03	0.806	0.809	0.815	0.824	0.843	0.870	0.954	1.099	1.211	1.367	1.495	1.631	1.777	1.987	2.161
0.05	0.734	0.741	0.751	0.765	0.794	0.832	0.943	1.129	1.271	1.470	1.633	1.808	1.999	2.275	2.505
0.07	0.674	0.685	0.698	0.717	0.755	0.801	0.934	1.153	1.319	1.553	1.745	1.952	2.178	2.508	2.785
0.10	0.598	0.613	0.632	0.657	0.705	0.763	0.924	1.183	1.380	1.657	1.886	2.134	2.405	2.803	3.137
0.15	0.496	0.517	0.542	0.575	0.637	0.710	0.908	1.224	1.464	1.802	2.082	2.386	2.719	3.209	3.622
0.20	0.416	0.440	0.470	0.509	0.581	0.666	0.894	1.259	1.535	1.926	2.250	2.602	2.987	3.553	4.030
0.25	0.350	0.377	0.410	0.453	0.533	0.627	0.881	1.289	1.598	2.037	2.400	2.794	3.225	3.858	4.389
0.30	0.296	0.324	0.360	0.405	0.490	0.591	0.868	1.315	1.656	2.139	2.538	2.971	3.443	4.134	4.712
0.35	0.250	0.279	0.316	0.363	0.452	0.559	0.855	1.339	1.710	2.234	2.667	3.136	3.646	4.389	5.008
0.40	0.212	0.241	0.278	0.325	0.417	0.529	0.842	1.361	1.760	2.324	2.789	3.292	3.836	4.626	5.281
0.45	0.180	0.208	0.244	0.292	0.386	0.501	0.830	1.381	1.807	2.410	2.906	3.440	4.017	4.849	5.536
0.50	0.153	0.180	0.215	0.262	0.356	0.474	0.817	1.400	1.852	2.493	3.018	3.582	4.189	5.060	5.775
0.55	0.129	0.155	0.189	0.236	0.330	0.449	0.804	1.418	1.896	2.573	3.126	3.719	4.353	5.260	6.000
0.60	0.109	0.134	0.166	0.212	0.305	0.426	0.792	1.434	1.938	2.650	3.231	3.851	4.512	5.451	6.213
0.65	0.092	0.115	0.146	0.190	0.282	0.403	0.779	1.450	1.978	2.725	3.333	3.979	4.664	5.632	6.413
0.70	0.078	0.099	0.128	0.170	0.260	0.382	0.766	1.465	2.017	2.799	3.432	4.103	4.812	5.807	6.604
0.75	0.065	0.085	0.112	0.152	0.240	0.361	0.753	1.479	2.055	2.871	3.529	4.224	4.955	5.974	6.783
0.80	0.055	0.073	0.098	0.136	0.221	0.342	0.740	1.492	2.092	2.941	3.624	4.342	5.094	6.135	6.956
0.85	0.046	0.062	0.086	0.122	0.204	0.323	0.727	1.504	2.128	3.010	3.718	4.458	5.228	6.288	7.118
0.90	0.038	0.053	0.075	0.108	0.188	0.305	0.714	1.516	2.164	3.078	3.809	4.571	5.359	6.437	7.275
0.95	0.032	0.045	0.065	0.097	0.173	0.288	0.701	1.527	2.198	3.145	3.899	4.681	5.487	6.579	7.423
1.00	0.026	0.038	0.056	0.086	0.158	0.271	0.688	1.537	2.233	3.211	3.988	4.790	5.611	6.716	7.562
1.25	0.010	0.016	0.026	0.046	0.101	0.199	0.621	1.582	2.394	3.530	4.415	5.303	6.186	7.330	8.170
1.50	0.003	0.006	0.011	0.023	0.061	0.142	0.553	1.616	2.544	3.836	4.818	5.776	6.697	7.840	8.641
1.75	0.001	0.002	0.004	0.010	0.035	0.097	0.486	1.640	2.688	4.133	5.203	6.214	7.150	8.256	8.994
2.00	0.000	0.001	0.001	0.004	0.018	0.062	0.418	1.655	2.826	4.425	5.572	6.618	7.545	8.587	9.243
2.25	0.000	0.000	0.000	0.001	0.009	0.038	0.352	1.662	2.960	4.714	5.928	6.991	7.893	8.851	9.421
2.50	0.000	0.000	0.000	0.000	0.004	0.021	0.288	1.659	3.090	5.000	6.271	7.337	8.195	9.055	9.536
2.75	0.000	0.000	0.000	0.000	0.001	0.011	0.228	1.647	3.220	5.284	6.601	7.650	8.451	9.203	9.597
3.00	0.000	0.000	0.000	0.000	0.000	0.005	0.173	1.626	3.349	5.570	6.915	7.931	8.663	9.302	9.615
3.50	0.000	0.000	0.000	0.000	0.000	0.000	0.083	1.553	3.608	6.138	7.495	8.396	8.963	9.386	9.559
4.00	0.000	0.000	0.000	0.000	0.000	0.000	0.027	1.430	3.873	6.703	7.990	8.719	9.102	9.341	9.422
4.50	0.000	0.000	0.000	0.000	0.000	0.000	0.004	1.242	4.158	7.273	8.425	8.956	9.188	9.307	9.347
	SKEWNESS COEFFICIENT= 2.6														
0.01	0.906	0.907	0.908	0.910	0.916	0.927	0.969	1.054	1.121	1.217	1.294	1.376	1.463	1.587	1.687
0.03	0.817	0.820	0.825	0.832	0.848	0.872	0.952	1.095	1.208	1.368	1.499	1.641	1.794	2.016	2.200
0.05	0.749	0.754	0.763	0.774	0.800	0.835	0.941	1.124	1.267	1.470	1.638	1.820	2.019	2.309	2.554
0.07	0.690	0.699	0.711	0.727	0.761	0.804	0.932	1.148	1.315	1.552	1.750	1.965	2.201	2.548	2.841
0.10	0.616	0.629	0.645	0.668	0.712	0.766	0.921	1.177	1.375	1.656	1.891	2.148	2.431	2.849	3.204
0.15	0.515	0.533	0.557	0.587	0.645	0.714	0.906	1.218	1.457	1.800	2.087	2.402	2.749	3.264	3.703
0.20	0.435	0.457	0.485	0.521	0.590	0.671	0.892	1.251	1.527	1.923	2.255	2.618	3.020	3.617	4.124
0.25	0.369	0.394	0.426	0.466	0.542	0.632	0.878	1.280	1.589	2.033	2.404	2.812	3.262	3.929	4.496
0.30	0.314	0.341	0.375	0.418	0.500	0.598	0.866	1.306	1.646	2.134	2.542	2.990	3.483	4.213	4.831
0.35	0.268	0.296	0.331	0.376	0.462	0.566	0.853	1.329	1.698	2.228	2.671	3.156	3.689	4.476	5.140
0.40	0.229	0.258	0.293	0.339	0.428	0.536	0.840	1.350	1.747	2.317	2.793	3.313	3.883	4.721	5.426
0.45	0.196	0.224	0.260	0.306	0.397	0.509	0.828	1.369	1.793	2.402	2.909	3.462	4.067	4.953	5.694
0.50	0.168	0.195	0.230	0.277	0.368	0.483	0.816	1.387	1.837	2.483	3.020	3.605	4.243	5.172	5.947
0.55	0.144	0.170	0.204	0.250	0.342	0.459	0.803	1.404	1.879	2.561	3.128	3.743	4.411	5.381	6.185
0.60	0.123	0.148	0.181	0.226	0.317	0.436	0.791	1.420	1.919	2.637	3.232	3.877	4.574	5.581	6.411
0.65	0.105	0.129	0.160	0.204	0.295	0.414	0.779	1.435	1.958	2.711	3.334	4.006	4.730	5.772	6.627
0.70	0.089	0.112	0.142	0.184	0.273	0.393	0.766	1.448	1.996	2.783	3.432	4.132	4.882	5.956	6.832
0.75	0.076	0.097	0.125	0.166	0.254	0.373	0.754	1.461	2.032	2.853	3.529	4.254	5.030	6.133	7.028
0.80	0.065	0.084	0.111	0.150	0.235	0.354	0.741	1.474	2.067	2.922	3.624	4.374	5.173	6.304	7.215
0.85	0.055	0.073	0.098	0.135	0.218	0.335	0.729	1.485	2.102	2.989	3.716	4.491	5.312	6.468	7.393
0.90	0.047	0.063	0.086	0.121	0.202	0.318	0.716	1.496	2.136	3.055	3.807	4.605	5.448	6.627	7.566
0.95	0.039	0.054	0.076	0.109	0.187	0.301	0.704	1.506	2.168	3.121	3.897	4.718	5.581	6.781	7.730
1.00	0.033	0.046	0.066	0.098	0.172	0.285	0.691	1.516	2.201	3.185	3.985	4.828	5.710	6.930	7.888
1.25	0.013	0.021	0.034	0.055	0.114	0.215	0.628	1.557	2.353	3.495	4.409	5.353	6.316	7.605	8.583
1.50	0.005	0.009	0.016	0.030	0.073	0.158	0.564	1.587	2.493	3.790	4.811	5.841	6.864	8.185	9.150
1.75	0.002	0.003	0.007	0.015	0.045	0.112	0.501	1.607	2.624	4.076	5.195	6.297	7.360	8.680	9.604
2.00	0.000	0.001	0.003	0.007	0.026	0.077	0.438	1.619	2.749	4.355	5.567	6.726	7.808	9.095	9.958
2.25	0.000	0.000	0.001	0.003	0.014	0.050	0.377	1.623	2.868	4.630	5.926	7.129	8.211	9.443	10.228
2.50	0.000	0.000	0.000	0.001	0.007	0.031	0.318	1.619	2.983	4.903	6.276	7.506	8.571	9.727	10.427
2.75	0.000	0.000	0.000	0.000	0.003	0.018	0.261	1.606	3.094	5.174	6.615	7.861	8.893	9.955	10.567
3.00	0.000	0.000	0.000	0.000	0.001	0.009	0.209	1.586	3.202	5.444	6.946	8.191	9.175	10.136	10.657
3.50	0.000	0.000	0.000	0.000	0.000	0.002	0.119	1.519	3.414	5.989	7.576	8.776	9.634	10.372	10.728
4.00	0.000	0.000	0.000	0.000	0.000	0.000	0.054	1.415	3.619	6.537	8.163	9.259	9.955	10.479	10.692
4.50	0.000	0.000	0.000	0.000	0.000	0.000	0.017	1.267	3.820	7.097	8.696	9.640	10.154	10.485	10.602
5.00	0.000	0.000	0.000	0.000	0.000	0.000	0.003	1.067	4.025	7.655	9.154	9.892	10.235	10.414	10.479

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	SKEWNESS COEFFICIENT= 2.8														
0.01	0.913	0.913	0.914	0.915	0.920	0.929	0.968	1.051	1.119	1.217	1.297	1.382	1.474	1.604	1.709
0.03	0.828	0.830	0.833	0.839	0.853	0.875	0.950	1.091	1.205	1.368	1.503	1.649	1.809	2.042	2.236
0.05	0.762	0.766	0.773	0.783	0.806	0.838	0.939	1.120	1.263	1.469	1.642	1.830	2.037	2.341	2.599
0.07	0.705	0.712	0.722	0.737	0.767	0.808	0.930	1.143	1.310	1.552	1.754	1.976	2.221	2.584	2.893
0.10	0.632	0.643	0.658	0.678	0.718	0.770	0.919	1.172	1.370	1.655	1.895	2.160	2.453	2.891	3.265
0.15	0.532	0.549	0.570	0.598	0.652	0.718	0.903	1.211	1.451	1.798	2.091	2.415	2.775	3.314	3.776
0.20	0.452	0.473	0.499	0.533	0.598	0.675	0.889	1.244	1.520	1.920	2.258	2.633	3.049	3.673	4.209
0.25	0.386	0.410	0.440	0.478	0.551	0.637	0.876	1.272	1.581	2.029	2.408	2.827	3.294	3.993	4.592
0.30	0.331	0.357	0.389	0.431	0.509	0.603	0.864	1.297	1.636	2.129	2.545	3.006	3.518	4.283	4.938
0.35	0.285	0.312	0.346	0.389	0.472	0.572	0.851	1.319	1.687	2.222	2.673	3.173	3.726	4.553	5.258
0.40	0.245	0.273	0.307	0.352	0.438	0.543	0.839	1.340	1.735	2.309	2.794	3.330	3.923	4.805	5.555
0.45	0.212	0.239	0.274	0.319	0.408	0.516	0.827	1.359	1.780	2.393	2.910	3.480	4.110	5.043	5.834
0.50	0.183	0.210	0.244	0.290	0.379	0.491	0.815	1.376	1.823	2.473	3.021	3.624	4.288	5.270	6.098
0.55	0.158	0.184	0.218	0.263	0.353	0.467	0.803	1.392	1.863	2.550	3.128	3.763	4.460	5.486	6.349
0.60	0.136	0.161	0.194	0.239	0.329	0.444	0.791	1.407	1.902	2.624	3.231	3.897	4.625	5.693	6.586
0.65	0.117	0.141	0.173	0.217	0.307	0.423	0.778	1.421	1.940	2.697	3.332	4.027	4.785	5.892	6.814
0.70	0.101	0.124	0.154	0.197	0.285	0.403	0.766	1.434	1.976	2.767	3.430	4.153	4.940	6.084	7.031
0.75	0.087	0.108	0.138	0.179	0.266	0.383	0.754	1.446	2.011	2.836	3.526	4.277	5.091	6.269	7.241
0.80	0.075	0.095	0.122	0.162	0.248	0.364	0.742	1.458	2.045	2.903	3.620	4.397	5.238	6.448	7.441
0.85	0.064	0.083	0.109	0.147	0.230	0.347	0.730	1.469	2.078	2.969	3.712	4.515	5.381	6.621	7.635
0.90	0.055	0.072	0.097	0.133	0.214	0.330	0.718	1.479	2.111	3.034	3.802	4.631	5.520	6.789	7.820
0.95	0.047	0.063	0.086	0.120	0.199	0.313	0.706	1.489	2.142	3.098	3.891	4.744	5.657	6.952	7.997
1.00	0.040	0.055	0.076	0.109	0.185	0.298	0.694	1.498	2.173	3.160	3.978	4.855	5.790	7.111	8.171
1.25	0.018	0.027	0.041	0.065	0.127	0.228	0.634	1.535	2.317	3.461	4.399	5.387	6.419	7.837	8.942
1.50	0.007	0.012	0.021	0.037	0.084	0.172	0.573	1.562	2.448	3.746	4.796	5.884	6.994	8.475	9.593
1.75	0.003	0.005	0.010	0.020	0.054	0.127	0.514	1.580	2.570	4.021	5.177	6.352	7.522	9.033	10.134
2.00	0.001	0.002	0.004	0.010	0.033	0.091	0.455	1.590	2.684	4.288	5.546	6.795	8.008	9.520	10.581
2.25	0.000	0.001	0.002	0.005	0.020	0.063	0.397	1.592	2.792	4.550	5.905	7.218	8.455	9.943	10.946
2.50	0.000	0.000	0.001	0.002	0.011	0.042	0.342	1.587	2.894	4.808	6.254	7.620	8.867	10.310	11.243
2.75	0.000	0.000	0.000	0.001	0.006	0.026	0.289	1.574	2.992	5.066	6.597	8.002	9.244	10.624	11.476
3.00	0.000	0.000	0.000	0.000	0.003	0.016	0.239	1.555	3.086	5.321	6.932	8.366	9.589	10.887	11.654
3.50	0.000	0.000	0.000	0.000	0.000	0.004	0.152	1.494	3.262	5.832	7.582	9.033	10.172	11.270	11.855
4.00	0.000	0.000	0.000	0.000	0.000	0.001	0.083	1.404	3.428	6.348	8.199	9.613	10.626	11.496	11.913
4.50	0.000	0.000	0.000	0.000	0.000	0.000	0.037	1.280	3.582	6.874	8.797	10.127	10.988	11.644	11.917
5.00	0.000	0.000	0.000	0.000	0.000	0.000	0.011	1.121	3.724	7.413	9.349	10.544	11.221	11.672	11.836
6.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.693	3.977	8.538	10.288	11.074	11.398	11.563	11.610
	SKEWNESS COEFFICIENT= 3.0														
0.01	0.918	0.918	0.919	0.920	0.923	0.931	0.967	1.048	1.117	1.217	1.300	1.388	1.483	1.619	1.731
0.03	0.838	0.839	0.842	0.846	0.858	0.877	0.948	1.088	1.202	1.367	1.506	1.657	1.823	2.066	2.271
0.05	0.774	0.777	0.783	0.791	0.811	0.840	0.937	1.115	1.259	1.469	1.645	1.839	2.053	2.371	2.642
0.07	0.719	0.724	0.733	0.745	0.773	0.810	0.928	1.138	1.306	1.551	1.757	1.986	2.239	2.618	2.942
0.10	0.647	0.656	0.669	0.687	0.725	0.773	0.917	1.167	1.365	1.654	1.899	2.171	2.474	2.929	3.321
0.15	0.548	0.563	0.583	0.608	0.659	0.722	0.901	1.205	1.445	1.796	2.094	2.426	2.798	3.359	3.844
0.20	0.468	0.488	0.512	0.544	0.605	0.679	0.887	1.237	1.513	1.917	2.261	2.645	3.075	3.724	4.287
0.25	0.403	0.425	0.453	0.489	0.559	0.642	0.874	1.265	1.573	2.025	2.410	2.840	3.322	4.049	4.679
0.30	0.347	0.372	0.403	0.442	0.518	0.608	0.862	1.289	1.627	2.123	2.547	3.019	3.548	4.346	5.035
0.35	0.301	0.327	0.359	0.401	0.481	0.578	0.850	1.311	1.677	2.215	2.674	3.186	3.759	4.621	5.363
0.40	0.261	0.287	0.321	0.364	0.448	0.549	0.838	1.331	1.724	2.302	2.795	3.344	3.957	4.879	5.670
0.45	0.226	0.253	0.287	0.331	0.417	0.523	0.826	1.349	1.768	2.384	2.910	3.494	4.146	5.123	5.959
0.50	0.197	0.223	0.257	0.302	0.389	0.498	0.814	1.366	1.809	2.463	3.020	3.639	4.327	5.355	6.233
0.55	0.171	0.197	0.231	0.275	0.364	0.475	0.802	1.381	1.849	2.539	3.126	3.778	4.501	5.577	6.493
0.60	0.149	0.174	0.207	0.251	0.340	0.453	0.790	1.395	1.887	2.612	3.229	3.912	4.668	5.791	6.742
0.65	0.129	0.153	0.185	0.229	0.317	0.432	0.778	1.409	1.923	2.683	3.329	4.042	4.830	5.996	6.979
0.70	0.112	0.135	0.166	0.209	0.297	0.412	0.767	1.421	1.959	2.752	3.426	4.170	4.988	6.195	7.208
0.75	0.097	0.120	0.149	0.191	0.277	0.392	0.755	1.433	1.992	2.820	3.521	4.293	5.141	6.386	7.428
0.80	0.085	0.105	0.134	0.174	0.259	0.374	0.743	1.444	2.025	2.886	3.614	4.414	5.291	6.572	7.640
0.85	0.073	0.093	0.120	0.158	0.242	0.357	0.732	1.454	2.057	2.950	3.705	4.533	5.437	6.753	7.844
0.90	0.064	0.082	0.107	0.144	0.226	0.340	0.720	1.464	2.088	3.013	3.795	4.649	5.579	6.927	8.041
0.95	0.055	0.072	0.096	0.131	0.211	0.324	0.708	1.473	2.118	3.075	3.882	4.763	5.719	7.099	8.233
1.00	0.047	0.063	0.086	0.120	0.197	0.309	0.697	1.482	2.148	3.136	3.969	4.875	5.855	7.264	8.417
1.25	0.022	0.032	0.048	0.074	0.138	0.241	0.639	1.517	2.285	3.429	4.384	5.410	6.501	8.034	9.256
1.50	0.010	0.016	0.026	0.044	0.095	0.185	0.581	1.541	2.409	3.705	4.777	5.911	7.096	8.718	9.976
1.75	0.004	0.007	0.013	0.025	0.064	0.140	0.525	1.557	2.523	3.969	5.153	6.386	7.647	9.328	10.593
2.00	0.002	0.003	0.007	0.014	0.041	0.104	0.469	1.566	2.629	4.226	5.517	6.838	8.161	9.874	11.121
2.25	0.001	0.001	0.003	0.007	0.026	0.075	0.415	1.567	2.727	4.476	5.871	7.272	8.641	10.360	11.572
2.50	0.000	0.000	0.001	0.004	0.015	0.052	0.363	1.561	2.820	4.721	6.217	7.688	9.090	10.795	11.955
2.75	0.000	0.000	0.000	0.002	0.009	0.035	0.313	1.548	2.908	4.964	6.557	8.089	9.510	11.181	12.277
3.00	0.000	0.000	0.000	0.001	0.005	0.023	0.265	1.530	2.991	5.205	6.890	8.472	9.899	11.517	12.537
3.50	0.000	0.000	0.000	0.000	0.001	0.008	0.181	1.475	3.144	5.684	7.539	9.189	10.584	12.039	12.885
4.00	0.000	0.000	0.000	0.000	0.000	0.002	0.111	1.394	3.280	6.164	8.176	9.857	11.180	12.451	13.124
4.50	0.000	0.000	0.000	0.000	0.000	0.000	0.060	1.289	3.403	6.650	8.783	10.441	11.643	12.682	13.184
5.00	0.000	0.000	0.000	0.000	0.000	0.000	0.026	1.156	3.510	7.147	9.385	10.981	12.040	12.863	13.214
6.00	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.811	3.671	8.198	10.502	11.832	12.529	12.946	13.089

NON-EXCEEDANCE PROBABILITY	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
VARIANCE (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
SKEWNESS COEFFICIENT= 3.2															
0.01	0.923	0.923	0.923	0.924	0.926	0.933	0.966	1.046	1.115	1.217	1.302	1.393	1.492	1.634	1.752
0.03	0.846	0.847	0.849	0.852	0.862	0.880	0.947	1.084	1.199	1.367	1.509	1.664	1.836	2.089	2.303
0.05	0.785	0.787	0.792	0.799	0.816	0.843	0.935	1.111	1.256	1.468	1.648	1.847	2.068	2.399	2.681
0.07	0.731	0.736	0.743	0.754	0.778	0.813	0.926	1.134	1.302	1.549	1.760	1.994	2.256	2.649	2.988
0.10	0.661	0.669	0.680	0.696	0.731	0.776	0.915	1.162	1.360	1.652	1.901	2.180	2.492	2.965	3.374
0.15	0.563	0.577	0.594	0.618	0.666	0.726	0.899	1.200	1.440	1.793	2.096	2.436	2.819	3.400	3.906
0.20	0.484	0.502	0.524	0.554	0.612	0.683	0.886	1.231	1.507	1.913	2.263	2.655	3.097	3.771	4.357
0.25	0.418	0.439	0.465	0.500	0.566	0.646	0.873	1.258	1.566	2.020	2.411	2.851	3.346	4.100	4.757
0.30	0.362	0.386	0.415	0.453	0.526	0.613	0.860	1.282	1.619	2.118	2.547	3.030	3.574	4.401	5.122
0.35	0.315	0.340	0.371	0.412	0.489	0.583	0.848	1.303	1.668	2.209	2.674	3.197	3.786	4.681	5.458
0.40	0.275	0.301	0.333	0.375	0.456	0.555	0.836	1.322	1.714	2.294	2.794	3.355	3.987	4.944	5.774
0.45	0.240	0.266	0.299	0.343	0.426	0.529	0.825	1.340	1.757	2.376	2.908	3.506	4.177	5.193	6.071
0.50	0.210	0.236	0.269	0.313	0.399	0.505	0.813	1.356	1.797	2.453	3.018	3.650	4.360	5.430	6.353
0.55	0.184	0.209	0.243	0.286	0.373	0.482	0.802	1.371	1.836	2.528	3.123	3.789	4.535	5.657	6.621
0.60	0.161	0.186	0.219	0.262	0.349	0.460	0.790	1.385	1.873	2.600	3.225	3.924	4.704	5.876	6.879
0.65	0.141	0.165	0.197	0.240	0.327	0.439	0.779	1.398	1.908	2.670	3.324	4.054	4.869	6.087	7.126
0.70	0.123	0.147	0.178	0.220	0.307	0.420	0.767	1.410	1.942	2.738	3.421	4.182	5.028	6.290	7.364
0.75	0.108	0.130	0.160	0.202	0.287	0.401	0.756	1.421	1.975	2.804	3.515	4.306	5.183	6.488	7.593
0.80	0.094	0.116	0.144	0.185	0.269	0.383	0.744	1.432	2.007	2.869	3.607	4.427	5.334	6.680	7.814
0.85	0.082	0.103	0.130	0.169	0.253	0.366	0.733	1.442	2.038	2.932	3.697	4.546	5.482	6.866	8.027
0.90	0.072	0.091	0.117	0.155	0.237	0.350	0.722	1.451	2.068	2.994	3.785	4.662	5.627	7.047	8.236
0.95	0.063	0.081	0.106	0.142	0.222	0.334	0.711	1.460	2.097	3.054	3.872	4.776	5.769	7.224	8.437
1.00	0.055	0.071	0.095	0.130	0.208	0.319	0.699	1.468	2.125	3.114	3.958	4.888	5.908	7.395	8.631
1.25	0.027	0.038	0.055	0.082	0.149	0.252	0.643	1.501	2.257	3.399	4.368	5.424	6.566	8.200	9.528
1.50	0.013	0.020	0.031	0.051	0.105	0.197	0.588	1.524	2.375	3.666	4.755	5.928	7.175	8.922	10.307
1.75	0.006	0.010	0.017	0.031	0.073	0.152	0.534	1.538	2.482	3.922	5.126	6.406	7.743	9.574	10.988
2.00	0.002	0.005	0.009	0.018	0.049	0.116	0.481	1.545	2.581	4.168	5.484	6.862	8.278	10.167	11.588
2.25	0.001	0.002	0.005	0.010	0.032	0.086	0.430	1.545	2.673	4.407	5.831	7.302	8.781	10.707	12.113
2.50	0.000	0.001	0.002	0.005	0.020	0.063	0.380	1.539	2.758	4.641	6.172	7.726	9.259	11.199	12.575
2.75	0.000	0.000	0.001	0.003	0.012	0.044	0.333	1.527	2.837	4.871	6.506	8.136	9.710	11.646	12.978
3.00	0.000	0.000	0.000	0.001	0.007	0.030	0.288	1.510	2.912	5.098	6.834	8.533	10.135	12.048	13.321
3.50	0.000	0.000	0.000	0.000	0.002	0.013	0.206	1.459	3.047	5.548	7.476	9.286	10.906	12.719	13.842
4.00	0.000	0.000	0.000	0.000	0.000	0.004	0.137	1.387	3.164	5.994	8.105	9.994	11.590	13.248	14.204
4.50	0.000	0.000	0.000	0.000	0.000	0.001	0.083	1.294	3.264	6.442	8.725	10.657	12.189	13.663	14.446
5.00	0.000	0.000	0.000	0.000	0.000	0.000	0.044	1.180	3.349	6.898	9.324	11.255	12.679	13.928	14.538
6.00	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.892	3.461	7.841	10.503	12.317	13.441	14.256	14.570
7.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.540	3.481	8.865	11.611	13.117	13.870	14.279	14.422
SKEWNESS COEFFICIENT= 3.4															
0.01	0.927	0.927	0.927	0.927	0.929	0.935	0.965	1.043	1.113	1.216	1.303	1.398	1.500	1.649	1.771
0.03	0.854	0.854	0.856	0.858	0.867	0.882	0.945	1.081	1.195	1.366	1.511	1.671	1.848	2.111	2.334
0.05	0.795	0.797	0.800	0.806	0.821	0.846	0.933	1.107	1.252	1.467	1.650	1.854	2.082	2.424	2.719
0.07	0.742	0.746	0.752	0.761	0.784	0.816	0.924	1.129	1.298	1.548	1.762	2.002	2.271	2.678	3.030
0.10	0.673	0.680	0.690	0.705	0.736	0.779	0.913	1.157	1.355	1.650	1.903	2.188	2.509	2.997	3.422
0.15	0.577	0.589	0.605	0.627	0.672	0.729	0.898	1.194	1.434	1.790	2.098	2.445	2.837	3.437	3.963
0.20	0.498	0.514	0.535	0.563	0.619	0.687	0.884	1.225	1.500	1.910	2.264	2.664	3.117	3.812	4.422
0.25	0.432	0.452	0.477	0.510	0.573	0.651	0.871	1.252	1.559	2.016	2.411	2.859	3.367	4.146	4.829
0.30	0.377	0.399	0.427	0.463	0.533	0.618	0.859	1.275	1.611	2.112	2.547	3.039	3.596	4.451	5.200
0.35	0.329	0.353	0.383	0.422	0.497	0.588	0.847	1.296	1.659	2.202	2.673	3.206	3.810	4.735	5.544
0.40	0.288	0.313	0.345	0.386	0.464	0.560	0.835	1.315	1.704	2.287	2.793	3.364	4.012	5.002	5.866
0.45	0.253	0.279	0.311	0.353	0.434	0.535	0.824	1.332	1.746	2.367	2.906	3.515	4.204	5.255	6.171
0.50	0.222	0.248	0.281	0.324	0.407	0.511	0.812	1.348	1.786	2.444	3.015	3.659	4.388	5.496	6.460
0.55	0.196	0.221	0.254	0.297	0.382	0.488	0.801	1.362	1.824	2.518	3.119	3.798	4.564	5.728	6.736
0.60	0.172	0.197	0.230	0.273	0.358	0.467	0.790	1.376	1.860	2.589	3.221	3.933	4.735	5.950	7.001
0.65	0.152	0.176	0.208	0.251	0.337	0.446	0.779	1.388	1.895	2.657	3.319	4.063	4.900	6.166	7.256
0.70	0.133	0.157	0.188	0.230	0.316	0.427	0.768	1.400	1.928	2.724	3.415	4.190	5.061	6.374	7.501
0.75	0.118	0.140	0.170	0.212	0.297	0.409	0.756	1.411	1.960	2.789	3.508	4.314	5.218	6.576	7.739
0.80	0.103	0.125	0.154	0.195	0.279	0.391	0.745	1.420	1.989	2.850	3.596	4.432	5.366	6.766	7.961
0.85	0.091	0.112	0.140	0.179	0.262	0.374	0.734	1.430	2.021	2.914	3.688	4.554	5.520	6.964	8.191
0.90	0.080	0.100	0.127	0.165	0.246	0.358	0.723	1.439	2.050	2.975	3.775	4.670	5.666	7.150	8.407
0.95	0.070	0.089	0.115	0.151	0.232	0.343	0.712	1.447	2.078	3.035	3.861	4.785	5.810	7.332	8.616
1.00	0.062	0.079	0.104	0.139	0.218	0.328	0.701	1.455	2.105	3.093	3.946	4.897	5.950	7.509	8.821
1.25	0.032	0.044	0.062	0.091	0.159	0.262	0.647	1.487	2.232	3.371	4.351	5.433	6.618	8.341	9.763
1.50	0.016	0.024	0.037	0.058	0.114	0.208	0.594	1.508	2.344	3.631	4.732	5.937	7.238	9.096	10.598
1.75	0.008	0.013	0.021	0.037	0.081	0.163	0.543	1.521	2.446	3.878	5.097	6.416	7.820	9.786	11.341
2.00	0.004	0.006	0.012	0.022	0.057	0.127	0.492	1.527	2.540	4.115	5.448	6.875	8.370	10.420	12.004
2.25	0.002	0.003	0.006	0.013	0.039	0.097	0.443	1.527	2.625	4.344	5.790	7.316	8.892	11.003	12.593
2.50	0.001	0.001	0.003	0.008	0.026	0.072	0.396	1.521	2.705	4.568	6.123	7.743	9.386	11.536	13.113
2.75	0.000	0.001	0.002	0.004	0.017	0.053	0.350	1.510	2.778	4.787	6.450	8.158	9.860	12.033	13.587
3.00	0.000	0.000	0.001	0.002	0.010	0.038	0.307	1.493	2.845	5.002	6.772	8.562	10.313	12.492	14.008
3.50	0.000	0.000	0.000	0.000	0.004	0.018	0.229	1.446	2.967	5.424	7.400	9.334	11.145	13.280	14.677
4.00	0.000	0.000	0.000	0.000	0.001	0.007	0.161	1.381	3.070	5.842	8.017	10.068	11.901	13.938	15.188
4.50	0.000	0.000	0.000	0.000	0.000	0.002	0.106	1.297	3.154	6.256	8.626	10.770	12.589	14.482	15.571
5.00	0.000	0.000	0.000	0.000	0.000	0.001	0.063	1.197	3.223	6.671	9.228	11.430	13.195	14.908	15.823
6.00	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.950	3.307	7.520	10.404	12.606	14.155	15.421	15.994
7.00	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.650	3.304	8.420	11.558	13.628	14.844	15.673	15.980
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.337	3.184	9.380	12.640	14.370	15.197	15.633	15.792

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

SKEWNESS COEFFICIENT= 3.6

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
0.01	0.931	0.931	0.931	0.931	0.932	0.937	0.964	1.041	1.110	1.216	1.305	1.402	1.508	1.662	1.790
0.03	0.861	0.861	0.862	0.864	0.871	0.885	0.944	1.077	1.192	1.365	1.512	1.676	1.859	2.131	2.363
0.05	0.803	0.805	0.808	0.813	0.826	0.848	0.932	1.104	1.248	1.465	1.652	1.861	2.095	2.448	2.754
0.07	0.753	0.756	0.761	0.769	0.789	0.819	0.923	1.125	1.294	1.546	1.764	2.009	2.285	2.704	3.069
0.10	0.685	0.691	0.700	0.713	0.742	0.782	0.912	1.153	1.351	1.648	1.905	2.195	2.524	3.026	3.467
0.15	0.590	0.601	0.615	0.635	0.678	0.732	0.896	1.190	1.429	1.787	2.099	2.452	2.854	3.471	4.015
0.20	0.511	0.526	0.546	0.572	0.625	0.691	0.883	1.220	1.494	1.906	2.264	2.671	3.135	3.850	4.480
0.25	0.446	0.464	0.488	0.519	0.579	0.654	0.870	1.246	1.552	2.011	2.412	2.867	3.386	4.187	4.894
0.30	0.390	0.411	0.438	0.472	0.540	0.622	0.858	1.269	1.604	2.107	2.546	3.046	3.617	4.496	5.271
0.35	0.342	0.365	0.394	0.431	0.504	0.592	0.846	1.289	1.651	2.196	2.672	3.214	3.831	4.783	5.621
0.40	0.301	0.325	0.356	0.395	0.472	0.565	0.835	1.308	1.696	2.280	2.791	3.372	4.034	5.053	5.950
0.45	0.265	0.290	0.322	0.363	0.442	0.540	0.823	1.325	1.737	2.359	2.903	3.522	4.227	5.310	6.260
0.50	0.234	0.259	0.291	0.333	0.415	0.516	0.812	1.340	1.776	2.435	3.011	3.666	4.411	5.555	6.556
0.55	0.207	0.232	0.264	0.307	0.390	0.494	0.801	1.354	1.813	2.508	3.115	3.805	4.589	5.790	6.839
0.60	0.183	0.208	0.240	0.282	0.367	0.473	0.790	1.367	1.848	2.578	3.216	3.940	4.761	6.016	7.110
0.65	0.162	0.186	0.218	0.260	0.345	0.453	0.779	1.379	1.882	2.646	3.313	4.070	4.927	6.235	7.371
0.70	0.143	0.167	0.198	0.240	0.325	0.434	0.768	1.391	1.915	2.711	3.408	4.197	5.089	6.447	7.624
0.75	0.127	0.150	0.180	0.221	0.306	0.416	0.757	1.401	1.946	2.775	3.500	4.321	5.247	6.653	7.868
0.80	0.113	0.135	0.164	0.204	0.288	0.398	0.746	1.411	1.976	2.837	3.590	4.441	5.401	6.853	8.105
0.85	0.100	0.121	0.149	0.189	0.271	0.382	0.735	1.420	2.005	2.898	3.679	4.560	5.551	7.048	8.334
0.90	0.088	0.108	0.136	0.174	0.256	0.366	0.725	1.429	2.033	2.958	3.765	4.676	5.699	7.239	8.558
0.95	0.078	0.097	0.123	0.161	0.241	0.351	0.714	1.436	2.060	3.016	3.850	4.790	5.843	7.425	8.776
1.00	0.069	0.087	0.112	0.148	0.227	0.336	0.703	1.444	2.087	3.073	3.934	4.902	5.985	7.607	8.986
1.25	0.037	0.050	0.069	0.099	0.168	0.272	0.651	1.474	2.209	3.344	4.333	5.437	6.660	8.463	9.973
1.50	0.019	0.028	0.042	0.065	0.123	0.218	0.600	1.494	2.317	3.598	4.709	5.940	7.288	9.244	10.851
1.75	0.010	0.016	0.025	0.042	0.090	0.174	0.550	1.507	2.415	3.837	5.067	6.418	7.879	9.963	11.642
2.00	0.005	0.008	0.015	0.027	0.064	0.137	0.501	1.512	2.503	4.066	5.412	6.876	8.440	10.629	12.359
2.25	0.002	0.004	0.008	0.017	0.045	0.107	0.454	1.512	2.584	4.287	5.747	7.319	8.974	11.249	13.008
2.50	0.001	0.002	0.005	0.010	0.031	0.082	0.409	1.506	2.658	4.501	6.073	7.747	9.486	11.826	13.595
2.75	0.000	0.001	0.002	0.006	0.021	0.062	0.366	1.495	2.726	4.711	6.392	8.163	9.972	12.358	14.118
3.00	0.000	0.000	0.001	0.003	0.014	0.046	0.324	1.480	2.789	4.915	6.706	8.569	10.444	12.861	14.603
3.50	0.000	0.000	0.000	0.001	0.005	0.024	0.248	1.436	2.900	5.314	7.320	9.351	11.322	13.748	15.407
4.00	0.000	0.000	0.000	0.000	0.002	0.011	0.182	1.375	2.992	5.704	7.922	10.102	12.140	14.529	16.076
4.50	0.000	0.000	0.000	0.000	0.000	0.004	0.127	1.300	3.066	6.090	8.515	10.821	12.889	15.186	16.591
5.00	0.000	0.000	0.000	0.000	0.000	0.001	0.083	1.210	3.123	6.472	9.101	11.513	13.574	15.731	16.974
6.00	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.992	3.188	7.244	10.265	12.798	14.750	16.534	17.434
7.00	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.732	3.176	8.038	11.419	13.949	15.663	17.007	17.573
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.453	3.066	8.884	12.553	14.938	16.294	17.184	17.500

SKEWNESS COEFFICIENT= 3.8

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
0.01	0.934	0.934	0.934	0.934	0.935	0.938	0.963	1.038	1.108	1.215	1.306	1.406	1.515	1.675	1.808
0.03	0.867	0.867	0.868	0.869	0.875	0.887	0.943	1.074	1.189	1.363	1.514	1.681	1.869	2.150	2.391
0.05	0.811	0.813	0.815	0.819	0.830	0.851	0.931	1.100	1.245	1.464	1.653	1.866	2.106	2.470	2.786
0.07	0.762	0.764	0.769	0.776	0.794	0.822	0.922	1.121	1.290	1.544	1.765	2.015	2.297	2.729	3.106
0.10	0.696	0.701	0.708	0.720	0.747	0.785	0.910	1.148	1.347	1.645	1.906	2.201	2.537	3.054	3.508
0.15	0.602	0.611	0.625	0.643	0.683	0.735	0.895	1.185	1.424	1.784	2.099	2.458	2.868	3.502	4.063
0.20	0.524	0.538	0.556	0.581	0.631	0.694	0.881	1.215	1.489	1.902	2.264	2.678	3.151	3.884	4.534
0.25	0.458	0.475	0.498	0.527	0.586	0.658	0.869	1.241	1.546	2.007	2.411	2.873	3.403	4.224	4.953
0.30	0.402	0.422	0.448	0.481	0.546	0.626	0.857	1.263	1.597	2.102	2.545	3.053	3.634	4.536	5.336
0.35	0.354	0.376	0.404	0.440	0.511	0.597	0.845	1.283	1.644	2.190	2.670	3.220	3.850	4.826	5.691
0.40	0.313	0.336	0.366	0.404	0.478	0.570	0.834	1.301	1.687	2.273	2.788	3.378	4.053	5.099	6.025
0.45	0.277	0.301	0.332	0.372	0.449	0.545	0.823	1.318	1.728	2.352	2.900	3.528	4.247	5.359	6.341
0.50	0.245	0.270	0.301	0.342	0.422	0.521	0.812	1.333	1.767	2.427	3.008	3.672	4.432	5.607	6.642
0.55	0.218	0.243	0.274	0.316	0.397	0.499	0.801	1.347	1.803	2.498	3.111	3.810	4.611	5.845	6.931
0.60	0.194	0.218	0.250	0.292	0.374	0.478	0.790	1.360	1.838	2.567	3.210	3.945	4.783	6.074	7.208
0.65	0.172	0.196	0.228	0.269	0.353	0.459	0.779	1.371	1.871	2.634	3.307	4.075	4.950	6.296	7.475
0.70	0.153	0.177	0.208	0.249	0.333	0.440	0.768	1.382	1.902	2.699	3.401	4.201	5.113	6.511	7.733
0.75	0.136	0.159	0.189	0.230	0.314	0.422	0.758	1.393	1.933	2.762	3.492	4.325	5.271	6.720	7.984
0.80	0.121	0.144	0.173	0.213	0.296	0.405	0.747	1.402	1.962	2.823	3.582	4.445	5.426	6.924	8.226
0.85	0.108	0.129	0.158	0.197	0.280	0.389	0.737	1.411	1.991	2.883	3.669	4.563	5.577	7.123	8.463
0.90	0.096	0.117	0.144	0.183	0.264	0.373	0.726	1.419	2.018	2.941	3.755	4.679	5.726	7.317	8.692
0.95	0.085	0.105	0.132	0.169	0.249	0.358	0.716	1.427	2.045	2.999	3.839	4.793	5.871	7.506	8.916
1.00	0.076	0.095	0.120	0.157	0.235	0.344	0.705	1.434	2.070	3.054	3.921	4.904	6.014	7.692	9.135
1.25	0.042	0.056	0.076	0.106	0.176	0.280	0.654	1.463	2.189	3.320	4.316	5.438	6.693	8.566	10.153
1.50	0.023	0.033	0.048	0.072	0.132	0.227	0.605	1.482	2.293	3.567	4.686	5.938	7.326	9.369	11.071
1.75	0.012	0.019	0.029	0.048	0.097	0.183	0.557	1.494	2.386	3.800	5.038	6.415	7.924	10.112	11.905
2.00	0.006	0.010	0.018	0.031	0.071	0.146	0.510	1.499	2.471	4.022	5.377	6.872	8.493	10.804	12.665
2.25	0.003	0.006	0.010	0.020	0.051	0.116	0.465	1.498	2.548	4.235	5.704	7.313	9.035	11.451	13.359
2.50	0.002	0.003	0.006	0.013	0.036	0.091	0.421	1.492	2.618	4.441	6.024	7.740	9.558	12.063	14.004
2.75	0.001	0.002	0.003	0.008	0.025	0.070	0.379	1.482	2.681	4.641	6.336	8.157	10.060	12.638	14.593
3.00	0.000	0.001	0.002	0.005	0.017	0.053	0.339	1.468	2.740	4.837	6.641	8.561	10.540	13.169	15.120
3.50	0.000	0.000	0.000	0.001	0.007	0.029	0.266	1.426	2.842	5.215	7.240	9.348	11.460	14.154	16.071
4.00	0.000	0.000	0.000	0.000	0.003	0.015	0.202	1.370	2.925	5.582	7.825	10.104	12.316	15.022	16.858
4.50	0.000	0.000	0.000	0.000	0.001	0.007	0.147	1.301	2.992	5.942	8.400	10.833	13.113	15.781	17.501
5.00	0.000	0.000	0.000	0.000	0.000	0.003	0.101	1.220	3.042	6.297	8.968	11.538	13.856	16.435	18.014
6.00	0.000	0.000	0.000	0.000	0.000	0.000	0.040	1.025	3.094	6.999	10.098	12.878	15.174	17.466	18.714
7.00	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.796	3.077	7.711	11.217	14.108	16.266	18.147	19.053
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.547	2.981	8.439	12.333	15.218	17.113	18.551	19.119
9.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.306	2.781	9.227	13.474	16.227	17.766	18.745	19.083

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

SKEWNESS COEFFICIENT= 4.0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
0.01	0.937	0.937	0.937	0.937	0.938	0.940	0.963	1.036	1.106	1.214	1.307	1.409	1.522	1.687	1.825
0.03	0.872	0.872	0.873	0.874	0.879	0.889	0.942	1.071	1.186	1.362	1.515	1.686	1.878	2.167	2.416
0.05	0.819	0.820	0.821	0.825	0.835	0.853	0.930	1.097	1.241	1.462	1.654	1.871	2.116	2.491	2.817
0.07	0.771	0.773	0.776	0.782	0.798	0.824	0.921	1.118	1.286	1.542	1.766	2.020	2.308	2.751	3.140
0.10	0.706	0.710	0.716	0.727	0.752	0.788	0.909	1.144	1.342	1.643	1.906	2.206	2.549	3.079	3.547
0.15	0.613	0.621	0.633	0.651	0.688	0.738	0.894	1.181	1.419	1.781	2.100	2.464	2.882	3.531	4.107
0.20	0.535	0.548	0.565	0.588	0.636	0.697	0.880	1.210	1.484	1.898	2.264	2.683	3.165	3.915	4.584
0.25	0.470	0.486	0.507	0.535	0.591	0.661	0.868	1.236	1.540	2.002	2.410	2.879	3.418	4.258	5.008
0.30	0.414	0.433	0.457	0.489	0.552	0.630	0.856	1.258	1.591	2.097	2.544	3.058	3.649	4.572	5.395
0.35	0.366	0.387	0.414	0.449	0.517	0.601	0.844	1.278	1.637	2.184	2.668	3.225	3.866	4.865	5.755
0.40	0.324	0.347	0.375	0.412	0.485	0.574	0.833	1.296	1.680	2.267	2.786	3.382	4.070	5.141	6.094
0.45	0.288	0.311	0.341	0.380	0.456	0.549	0.822	1.312	1.720	2.344	2.897	3.532	4.264	5.402	6.414
0.50	0.256	0.280	0.311	0.351	0.429	0.526	0.811	1.327	1.758	2.418	3.003	3.676	4.450	5.653	6.720
0.55	0.228	0.253	0.283	0.324	0.404	0.504	0.800	1.340	1.793	2.489	3.106	3.815	4.629	5.894	7.014
0.60	0.203	0.228	0.259	0.300	0.381	0.484	0.790	1.353	1.827	2.557	3.205	3.948	4.802	6.125	7.296
0.65	0.182	0.206	0.237	0.278	0.360	0.464	0.779	1.364	1.860	2.623	3.300	4.078	4.970	6.350	7.568
0.70	0.162	0.186	0.216	0.258	0.340	0.446	0.769	1.375	1.891	2.687	3.394	4.204	5.133	6.568	7.831
0.75	0.145	0.168	0.198	0.239	0.321	0.428	0.758	1.385	1.921	2.749	3.484	4.327	5.292	6.780	8.087
0.80	0.130	0.152	0.181	0.222	0.304	0.411	0.748	1.394	1.950	2.810	3.573	4.447	5.447	6.986	8.335
0.85	0.116	0.138	0.166	0.206	0.287	0.395	0.738	1.403	1.977	2.869	3.659	4.565	5.599	7.188	8.576
0.90	0.104	0.124	0.152	0.191	0.272	0.380	0.727	1.410	2.004	2.926	3.744	4.680	5.748	7.385	8.812
0.95	0.093	0.113	0.140	0.177	0.257	0.365	0.717	1.418	2.030	2.982	3.827	4.794	5.894	7.577	9.041
1.00	0.083	0.102	0.128	0.165	0.243	0.351	0.707	1.425	2.055	3.037	3.909	4.905	6.037	7.765	9.264
1.25	0.047	0.062	0.083	0.114	0.184	0.288	0.657	1.453	2.170	3.297	4.298	5.436	6.720	8.657	10.316
1.50	0.027	0.037	0.053	0.078	0.139	0.236	0.609	1.471	2.271	3.539	4.663	5.934	7.357	9.478	11.267
1.75	0.015	0.022	0.034	0.053	0.105	0.192	0.562	1.482	2.361	3.765	5.009	6.408	7.960	10.241	12.137
2.00	0.008	0.013	0.021	0.036	0.078	0.155	0.517	1.487	2.442	3.981	5.342	6.863	8.534	10.956	12.938
2.25	0.004	0.007	0.013	0.024	0.057	0.125	0.473	1.486	2.515	4.187	5.663	7.301	9.083	11.629	13.678
2.50	0.002	0.004	0.008	0.015	0.042	0.099	0.432	1.481	2.582	4.386	5.976	7.727	9.611	12.262	14.358
2.75	0.001	0.002	0.004	0.010	0.030	0.078	0.391	1.471	2.642	4.578	6.281	8.140	10.121	12.863	14.992
3.00	0.001	0.001	0.003	0.006	0.021	0.061	0.353	1.457	2.697	4.765	6.579	8.545	10.615	13.436	15.587
3.50	0.000	0.000	0.001	0.002	0.010	0.035	0.282	1.418	2.792	5.126	7.161	9.328	11.555	14.485	16.634
4.00	0.000	0.000	0.000	0.001	0.004	0.019	0.219	1.366	2.869	5.473	7.728	10.084	12.439	15.425	17.527
4.50	0.000	0.000	0.000	0.000	0.002	0.010	0.165	1.302	2.930	5.810	8.285	10.816	13.273	16.270	18.290
5.00	0.000	0.000	0.000	0.000	0.001	0.004	0.119	1.228	2.975	6.142	8.835	11.526	14.058	17.024	18.932
6.00	0.000	0.000	0.000	0.000	0.000	0.001	0.053	1.051	3.017	6.788	9.923	12.894	15.494	18.266	19.886
7.00	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.846	2.999	7.426	11.003	14.163	16.712	19.144	20.413
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.621	2.911	8.073	12.098	15.382	17.788	19.816	20.754
9.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.398	2.743	8.745	13.216	16.538	18.692	20.293	20.919
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.204	2.478	9.467	14.361	17.576	19.377	20.504	20.894

SKEWNESS COEFFICIENT= 4.2

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
0.01	0.939	0.939	0.939	0.939	0.940	0.942	0.963	1.033	1.104	1.213	1.307	1.412	1.528	1.698	1.842
0.03	0.877	0.877	0.878	0.879	0.882	0.892	0.941	1.068	1.183	1.361	1.515	1.690	1.886	2.184	2.441
0.05	0.825	0.826	0.827	0.830	0.839	0.856	0.929	1.093	1.238	1.460	1.655	1.875	2.126	2.510	2.846
0.07	0.778	0.780	0.783	0.788	0.802	0.827	0.919	1.114	1.283	1.540	1.766	2.024	2.319	2.772	3.172
0.10	0.715	0.718	0.724	0.733	0.756	0.790	0.908	1.141	1.338	1.640	1.907	2.211	2.560	3.102	3.583
0.15	0.623	0.631	0.642	0.658	0.693	0.741	0.893	1.177	1.415	1.778	2.100	2.469	2.894	3.557	4.148
0.20	0.546	0.558	0.574	0.596	0.641	0.700	0.879	1.206	1.479	1.895	2.263	2.688	3.177	3.944	4.629
0.25	0.481	0.496	0.516	0.543	0.597	0.665	0.867	1.231	1.534	1.998	2.409	2.883	3.431	4.289	5.058
0.30	0.425	0.443	0.466	0.497	0.557	0.633	0.855	1.253	1.584	2.092	2.542	3.062	3.663	4.605	5.449
0.35	0.377	0.397	0.423	0.456	0.522	0.604	0.844	1.273	1.630	2.179	2.666	3.229	3.880	4.900	5.813
0.40	0.335	0.357	0.384	0.420	0.491	0.578	0.833	1.290	1.673	2.260	2.783	3.386	4.084	5.178	6.156
0.45	0.298	0.321	0.350	0.388	0.462	0.553	0.822	1.306	1.712	2.337	2.893	3.536	4.279	5.442	6.481
0.50	0.266	0.290	0.320	0.359	0.435	0.531	0.811	1.321	1.750	2.410	2.999	3.679	4.465	5.694	6.791
0.55	0.238	0.262	0.292	0.332	0.411	0.509	0.800	1.334	1.785	2.481	3.101	3.817	4.645	5.937	7.089
0.60	0.213	0.237	0.268	0.308	0.388	0.489	0.790	1.346	1.818	2.548	3.199	3.951	4.818	6.171	7.375
0.65	0.191	0.215	0.245	0.286	0.367	0.469	0.779	1.357	1.850	2.613	3.294	4.080	4.986	6.398	7.652
0.70	0.171	0.194	0.225	0.266	0.347	0.451	0.769	1.368	1.881	2.676	3.386	4.206	5.150	6.618	7.920
0.75	0.153	0.176	0.206	0.247	0.328	0.434	0.759	1.378	1.910	2.737	3.476	4.328	5.309	6.832	8.179
0.80	0.138	0.160	0.190	0.229	0.311	0.417	0.749	1.387	1.938	2.797	3.564	4.448	5.465	7.041	8.432
0.85	0.123	0.145	0.174	0.213	0.295	0.401	0.739	1.395	1.965	2.855	3.650	4.565	5.617	7.245	8.679
0.90	0.111	0.132	0.160	0.199	0.279	0.386	0.729	1.403	1.991	2.911	3.734	4.680	5.767	7.444	8.918
0.95	0.100	0.120	0.147	0.185	0.264	0.371	0.719	1.410	2.017	2.967	3.816	4.793	5.913	7.639	9.153
1.00	0.089	0.109	0.135	0.172	0.251	0.357	0.709	1.417	2.041	3.021	3.897	4.904	6.056	7.830	9.382
1.25	0.052	0.067	0.089	0.120	0.192	0.295	0.660	1.444	2.154	3.277	4.281	5.433	6.742	8.735	10.457
1.50	0.030	0.041	0.058	0.084	0.147	0.243	0.613	1.461	2.251	3.513	4.641	5.928	7.382	9.570	11.438
1.75	0.017	0.025	0.038	0.058	0.112	0.200	0.568	1.472	2.339	3.734	4.982	6.399	7.987	10.350	12.339
2.00	0.010	0.015	0.024	0.040	0.084	0.164	0.524	1.476	2.416	3.943	5.309	6.850	8.564	11.082	13.171
2.25	0.005	0.009	0.015	0.027	0.063	0.133	0.482	1.476	2.487	4.144	5.624	7.286	9.117	11.774	13.946
2.50	0.003	0.005	0.009	0.018	0.047	0.107	0.441	1.470	2.550	4.335	5.929	7.709	9.651	12.433	14.674
2.75	0.001	0.003	0.006	0.012	0.034	0.086	0.402	1.461	2.607	4.521	6.227	8.120	10.166	13.057	15.349
3.00	0.001	0.002	0.003	0.008	0.025	0.068	0.365	1.447	2.660	4.701	6.519	8.520	10.664	13.647	15.971
3.50	0.000	0.000	0.001	0.003	0.012	0.041	0.296	1.411	2.749	5.046	7.084	9.298	11.619	14.752	17.110
4.00	0.000	0.000	0.000	0.001	0.006	0.024	0.235	1.362	2.821	5.377	7.636	10.049	12.523	15.755	18.103
4.50	0.000	0.000	0.000	0.000	0.002	0.013	0.181	1.303	2.877	5.695	8.174	10.777	13.378	16.662	18.957
5.00	0.000	0.000	0.000	0.000	0.001	0.006	0.135	1.235	2.917	6.004	8.704	11.487	14.197	17.500	19.716
6.00	0.000	0.000	0.000	0.000	0.000	0.001	0.067	1.073	2.954	6.604	9.752	12.864	15.723	18.945	20.935
7.00	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.885	2.935	7.185	10.788	14.168	17.054	20.032	21.697
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.682	2.855	7.765	11.839	15.436	18.289	20.941	22.289
9.00	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.477	2.710	8.339	12.894	16.608	19.297	21.512	22.501
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.287	2.488	8.936	13.978	17.758	20.188	21.967	22.656

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

SKEWNESS COEFFICIENT= 4.4

0.01	0.942	0.942	0.942	0.942	0.942	0.944	0.962	1.031	1.101	1.212	1.308	1.415	1.533	1.709	1.857
0.03	0.882	0.882	0.882	0.883	0.886	0.894	0.941	1.065	1.180	1.359	1.516	1.693	1.894	2.199	2.464
0.05	0.831	0.832	0.833	0.835	0.843	0.858	0.928	1.090	1.235	1.458	1.655	1.879	2.135	2.527	2.873
0.07	0.786	0.787	0.789	0.794	0.807	0.829	0.919	1.111	1.279	1.538	1.767	2.028	2.328	2.792	3.202
0.10	0.723	0.726	0.731	0.740	0.761	0.793	0.907	1.137	1.335	1.638	1.907	2.215	2.570	3.123	3.616
0.15	0.633	0.639	0.650	0.664	0.698	0.744	0.892	1.173	1.410	1.775	2.099	2.473	2.904	3.580	4.186
0.20	0.556	0.567	0.582	0.602	0.646	0.703	0.878	1.202	1.474	1.891	2.262	2.692	3.189	3.970	4.671
0.25	0.491	0.505	0.524	0.550	0.602	0.668	0.866	1.227	1.529	1.994	2.408	2.887	3.443	4.317	5.103
0.30	0.435	0.452	0.474	0.504	0.563	0.636	0.854	1.249	1.579	2.087	2.540	3.066	3.675	4.635	5.499
0.35	0.387	0.406	0.431	0.464	0.528	0.608	0.843	1.268	1.624	2.173	2.664	3.232	3.892	4.932	5.867
0.40	0.345	0.366	0.393	0.428	0.496	0.582	0.832	1.285	1.666	2.254	2.780	3.389	4.097	5.211	6.213
0.45	0.308	0.330	0.358	0.395	0.468	0.557	0.821	1.301	1.705	2.330	2.890	3.539	4.292	5.477	6.542
0.50	0.276	0.299	0.328	0.366	0.441	0.535	0.811	1.315	1.742	2.403	2.995	3.681	4.479	5.731	6.855
0.55	0.247	0.271	0.300	0.340	0.417	0.513	0.800	1.328	1.777	2.472	3.096	3.819	4.658	5.976	7.157
0.60	0.222	0.245	0.276	0.316	0.394	0.493	0.790	1.340	1.810	2.539	3.193	3.952	4.832	6.212	7.447
0.65	0.199	0.223	0.253	0.293	0.373	0.474	0.780	1.351	1.841	2.604	3.288	4.081	5.001	6.441	7.727
0.70	0.179	0.203	0.233	0.273	0.353	0.456	0.769	1.362	1.871	2.666	3.379	4.206	5.165	6.663	7.999
0.75	0.161	0.184	0.214	0.254	0.335	0.439	0.759	1.371	1.900	2.726	3.468	4.329	5.324	6.879	8.263
0.80	0.145	0.168	0.197	0.237	0.318	0.422	0.749	1.380	1.927	2.785	3.555	4.448	5.480	7.090	8.520
0.85	0.131	0.153	0.182	0.221	0.301	0.407	0.739	1.388	1.954	2.842	3.640	4.565	5.633	7.296	8.770
0.90	0.118	0.139	0.167	0.206	0.286	0.392	0.730	1.395	1.980	2.898	3.723	4.679	5.782	7.497	9.014
0.95	0.106	0.127	0.154	0.192	0.271	0.377	0.720	1.403	2.005	2.952	3.805	4.791	5.929	7.694	9.253
1.00	0.096	0.116	0.142	0.179	0.258	0.363	0.710	1.409	2.028	3.005	3.885	4.901	6.073	7.887	9.486
1.25	0.057	0.073	0.095	0.127	0.199	0.302	0.663	1.435	2.138	3.257	4.265	5.427	6.759	8.804	10.585
1.50	0.034	0.046	0.063	0.090	0.154	0.251	0.617	1.453	2.233	3.488	4.620	5.920	7.401	9.651	11.590
1.75	0.020	0.029	0.042	0.063	0.118	0.208	0.573	1.463	2.318	3.704	4.956	6.388	8.007	10.444	12.518
2.00	0.012	0.018	0.027	0.044	0.091	0.171	0.530	1.467	2.393	3.908	5.276	6.836	8.586	11.192	13.382
2.25	0.007	0.011	0.018	0.031	0.069	0.141	0.489	1.466	2.461	4.103	5.586	7.268	9.143	11.902	14.190
2.50	0.004	0.006	0.011	0.021	0.052	0.115	0.449	1.461	2.522	4.289	5.886	7.687	9.679	12.575	14.944
2.75	0.002	0.004	0.007	0.014	0.039	0.093	0.412	1.452	2.577	4.469	6.176	8.095	10.197	13.218	15.654
3.00	0.001	0.002	0.004	0.009	0.029	0.075	0.376	1.439	2.626	4.642	6.461	8.493	10.702	13.836	16.328
3.50	0.000	0.001	0.002	0.004	0.015	0.047	0.309	1.404	2.710	4.973	7.013	9.265	11.670	14.993	17.553
4.00	0.000	0.000	0.001	0.002	0.007	0.028	0.249	1.359	2.777	5.288	7.548	10.010	12.590	16.054	18.642
4.50	0.000	0.000	0.000	0.001	0.003	0.016	0.196	1.303	2.829	5.591	8.070	10.734	13.468	17.030	19.604
5.00	0.000	0.000	0.000	0.000	0.001	0.009	0.151	1.239	2.867	5.882	8.582	11.439	14.304	17.924	20.446
6.00	0.000	0.000	0.000	0.000	0.000	0.002	0.081	1.090	2.901	6.442	9.588	12.803	15.872	19.497	21.837
7.00	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.918	2.881	6.977	10.583	14.126	17.318	20.806	22.888
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.732	2.808	7.497	11.583	15.404	18.634	21.880	23.649
9.00	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.543	2.681	8.009	12.567	16.597	19.749	22.604	24.018
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.362	2.490	8.521	13.624	17.834	20.871	23.356	24.440

SKEWNESS COEFFICIENT= 4.6

0.01	0.944	0.944	0.944	0.944	0.944	0.946	0.962	1.029	1.099	1.210	1.308	1.417	1.539	1.719	1.872
0.03	0.886	0.886	0.886	0.886	0.889	0.896	0.940	1.062	1.177	1.357	1.516	1.697	1.901	2.213	2.485
0.05	0.837	0.837	0.838	0.840	0.846	0.860	0.927	1.087	1.231	1.456	1.655	1.883	2.143	2.544	2.898
0.07	0.792	0.793	0.795	0.799	0.811	0.831	0.918	1.108	1.276	1.536	1.767	2.032	2.336	2.810	3.230
0.10	0.731	0.733	0.738	0.745	0.765	0.795	0.906	1.134	1.331	1.636	1.906	2.219	2.579	3.143	3.647
0.15	0.641	0.648	0.657	0.671	0.702	0.746	0.891	1.169	1.406	1.772	2.099	2.476	2.914	3.602	4.222
0.20	0.566	0.576	0.589	0.609	0.650	0.706	0.878	1.198	1.469	1.888	2.261	2.695	3.199	3.994	4.710
0.25	0.501	0.514	0.532	0.556	0.606	0.671	0.865	1.223	1.524	1.990	2.406	2.890	3.453	4.342	5.145
0.30	0.445	0.461	0.482	0.511	0.568	0.639	0.854	1.244	1.573	2.082	2.538	3.068	3.686	4.662	5.544
0.35	0.396	0.415	0.439	0.470	0.533	0.611	0.842	1.263	1.618	2.168	2.661	3.235	3.903	4.961	5.915
0.40	0.354	0.375	0.400	0.435	0.502	0.585	0.832	1.280	1.660	2.248	2.776	3.391	4.108	5.242	6.265
0.45	0.317	0.339	0.366	0.402	0.473	0.561	0.821	1.296	1.698	2.324	2.886	3.540	4.303	5.509	6.597
0.50	0.285	0.307	0.336	0.373	0.447	0.539	0.810	1.310	1.735	2.396	2.990	3.683	4.490	5.765	6.914
0.55	0.256	0.279	0.308	0.347	0.423	0.517	0.800	1.323	1.769	2.465	3.091	3.820	4.670	6.011	7.218
0.60	0.230	0.254	0.283	0.323	0.400	0.497	0.790	1.335	1.801	2.531	3.187	3.953	4.844	6.249	7.512
0.65	0.207	0.231	0.261	0.300	0.379	0.479	0.780	1.346	1.832	2.595	3.281	4.082	5.013	6.479	7.796
0.70	0.187	0.2[illegible]0	0.240	0.280	0.359	0.461	0.770	1.356	1.862	2.656	3.372	4.206	5.177	6.703	8.071
0.75	0.169	0.1[illegible]2	0.221	0.261	0.341	0.444	0.760	1.365	1.890	2.716	3.461	4.328	5.337	6.921	8.338
0.80	0.153	0.175	0.204	0.244	0.324	0.427	0.750	1.373	1.917	2.774	3.547	4.447	5.493	7.133	8.599
0.85	0.138	0.160	0.189	0.228	0.308	0.412	0.740	1.381	1.944	2.830	3.631	4.563	5.645	7.341	8.853
0.90	0.125	0.146	0.174	0.213	0.292	0.397	0.731	1.389	1.969	2.885	3.713	4.677	5.795	7.544	9.100
0.95	0.113	0.134	0.161	0.199	0.278	0.383	0.721	1.396	1.993	2.939	3.794	4.789	5.942	7.743	9.343
1.00	0.102	0.122	0.149	0.186	0.264	0.369	0.712	1.402	2.017	2.991	3.873	4.898	6.086	7.938	9.580
1.25	0.062	0.078	0.101	0.133	0.206	0.308	0.665	1.428	2.124	3.238	4.249	5.421	6.772	8.863	10.699
1.50	0.038	0.050	0.068	0.096	0.160	0.257	0.620	1.444	2.217	3.465	4.599	5.911	7.415	9.721	11.725
1.75	0.023	0.032	0.046	0.068	0.125	0.215	0.577	1.454	2.299	3.677	4.930	6.375	8.023	10.526	12.678
2.00	0.013	0.020	0.031	0.049	0.097	0.178	0.535	1.458	2.372	3.876	5.246	6.820	8.603	11.286	13.566
2.25	0.008	0.013	0.020	0.034	0.074	0.148	0.495	1.458	2.437	4.066	5.550	7.248	9.160	12.006	14.395
2.50	0.005	0.008	0.013	0.024	0.057	0.122	0.457	1.453	2.496	4.247	5.843	7.664	9.699	12.697	15.185
2.75	0.003	0.005	0.009	0.017	0.043	0.100	0.420	1.444	2.549	4.420	6.128	8.068	10.220	13.358	15.929
3.00	0.001	0.003	0.005	0.011	0.033	0.081	0.385	1.432	2.596	4.589	6.406	8.462	10.724	13.985	16.620
3.50	0.000	0.001	0.002	0.005	0.018	0.053	0.320	1.399	2.677	4.908	6.946	9.225	11.697	15.175	17.909
4.00	0.000	0.000	0.001	0.002	0.009	0.033	0.262	1.356	2.740	5.210	7.464	9.961	12.623	16.280	19.070
4.50	0.000	0.000	0.000	0.001	0.005	0.020	0.210	1.303	2.789	5.498	7.971	10.678	13.515	17.308	20.123
5.00	0.000	0.000	0.000	0.000	0.002	0.011	0.165	1.243	2.823	5.774	8.466	11.378	14.373	18.271	21.077
6.00	0.000	0.000	0.000	0.000	0.000	0.003	0.094	1.105	2.855	6.298	9.433	12.731	15.979	19.967	22.647
7.00	0.000	0.000	0.000	0.000	0.000	0.001	0.047	0.945	2.836	6.796	10.387	14.049	17.491	21.452	23.935
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.774	2.769	7.268	11.332	15.321	18.861	22.652	24.846
9.00	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.598	2.655	7.725	12.281	16.543	20.114	23.618	25.481
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.427	2.487	8.178	13.257	17.788	21.331	24.509	26.061

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	SKEWNESS COEFFICIENT= 4.8														
0.01	0.946	0.946	0.946	0.946	0.946	0.947	0.962	1.027	1.097	1.209	1.308	1.419	1.544	1.729	1.886
0.03	0.889	0.889	0.890	0.890	0.892	0.898	0.940	1.060	1.174	1.355	1.516	1.699	1.908	2.227	2.506
0.05	0.842	0.842	0.843	0.844	0.850	0.863	0.927	1.084	1.228	1.454	1.655	1.886	2.150	2.559	2.922
0.07	0.798	0.799	0.801	0.804	0.814	0.834	0.917	1.105	1.272	1.534	1.767	2.035	2.344	2.826	3.256
0.10	0.738	0.740	0.744	0.751	0.769	0.798	0.905	1.131	1.327	1.633	1.906	2.222	2.588	3.161	3.676
0.15	0.650	0.655	0.664	0.676	0.706	0.749	0.890	1.166	1.402	1.769	2.098	2.479	2.923	3.623	4.254
0.20	0.574	0.583	0.596	0.615	0.655	0.708	0.877	1.195	1.465	1.884	2.260	2.698	3.208	4.015	4.746
0.25	0.510	0.522	0.539	0.563	0.611	0.673	0.865	1.219	1.519	1.986	2.404	2.892	3.462	4.366	5.184
0.30	0.454	0.469	0.490	0.517	0.572	0.642	0.853	1.240	1.568	2.078	2.536	3.071	3.696	4.687	5.586
0.35	0.405	0.423	0.446	0.477	0.538	0.614	0.842	1.259	1.613	2.163	2.658	3.237	3.913	4.987	5.960
0.40	0.363	0.383	0.408	0.441	0.506	0.588	0.831	1.276	1.654	2.242	2.773	3.393	4.118	5.269	6.312
0.45	0.326	0.347	0.374	0.409	0.478	0.564	0.821	1.291	1.692	2.318	2.882	3.542	4.313	5.538	6.647
0.50	0.293	0.315	0.343	0.380	0.452	0.542	0.810	1.305	1.728	2.389	2.986	3.684	4.501	5.795	6.967
0.55	0.264	0.287	0.315	0.353	0.428	0.521	0.800	1.318	1.762	2.457	3.086	3.821	4.680	6.043	7.275
0.60	0.238	0.261	0.291	0.329	0.405	0.501	0.790	1.330	1.794	2.523	3.182	3.953	4.854	6.282	7.571
0.65	0.215	0.238	0.268	0.307	0.385	0.483	0.780	1.340	1.824	2.586	3.275	4.081	5.023	6.514	7.858
0.70	0.195	0.218	0.247	0.287	0.365	0.465	0.770	1.350	1.854	2.647	3.365	4.206	5.187	6.739	8.136
0.75	0.176	0.199	0.228	0.268	0.347	0.448	0.760	1.359	1.881	2.706	3.453	4.327	5.347	6.958	8.407
0.80	0.160	0.182	0.211	0.250	0.330	0.432	0.751	1.368	1.908	2.763	3.538	4.445	5.503	7.172	8.670
0.85	0.145	0.167	0.195	0.234	0.313	0.417	0.741	1.376	1.934	2.819	3.622	4.561	5.656	7.381	8.928
0.90	0.131	0.153	0.181	0.219	0.298	0.402	0.732	1.383	1.959	2.873	3.704	4.674	5.805	7.585	9.178
0.95	0.119	0.140	0.167	0.205	0.284	0.388	0.722	1.390	1.983	2.926	3.783	4.786	5.952	7.786	9.424
1.00	0.108	0.128	0.155	0.192	0.270	0.374	0.713	1.396	2.006	2.978	3.862	4.894	6.096	7.982	9.665
1.25	0.067	0.083	0.106	0.139	0.212	0.314	0.667	1.421	2.111	3.221	4.234	5.415	6.783	8.915	10.799
1.50	0.041	0.054	0.073	0.101	0.166	0.264	0.623	1.437	2.202	3.444	4.580	5.901	7.426	9.782	11.844
1.75	0.025	0.035	0.050	0.073	0.131	0.221	0.581	1.447	2.282	3.652	4.906	6.362	8.034	10.595	12.816
2.00	0.015	0.023	0.034	0.053	0.102	0.185	0.540	1.451	2.353	3.847	5.217	6.803	8.614	11.365	13.726
2.25	0.009	0.014	0.023	0.038	0.080	0.155	0.502	1.450	2.416	4.031	5.515	7.228	9.172	12.100	14.586
2.50	0.006	0.009	0.015	0.027	0.062	0.129	0.464	1.445	2.472	4.207	5.803	7.639	9.711	12.802	15.396
2.75	0.003	0.006	0.010	0.019	0.048	0.106	0.428	1.437	2.524	4.377	6.083	8.039	10.232	13.471	16.158
3.00	0.002	0.003	0.007	0.013	0.036	0.088	0.394	1.425	2.569	4.539	6.355	8.429	10.741	14.122	16.896
3.50	0.001	0.001	0.003	0.006	0.021	0.058	0.331	1.393	2.646	4.847	6.880	9.185	11.718	15.347	18.252
4.00	0.000	0.000	0.001	0.003	0.011	0.038	0.274	1.352	2.707	5.138	7.386	9.913	12.652	16.491	19.485
4.50	0.000	0.000	0.000	0.001	0.006	0.024	0.223	1.303	2.752	5.413	7.877	10.621	13.549	17.558	20.604
5.00	0.000	0.000	0.000	0.000	0.003	0.014	0.178	1.247	2.786	5.677	8.357	11.309	14.408	18.545	21.602
6.00	0.000	0.000	0.000	0.000	0.001	0.004	0.107	1.116	2.814	6.171	9.291	12.652	16.058	20.382	23.396
7.00	0.000	0.000	0.000	0.000	0.000	0.001	0.058	0.969	2.798	6.636	10.201	13.944	17.584	21.952	24.803
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.809	2.737	7.072	11.098	15.203	19.011	23.287	25.900
9.00	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.645	2.631	7.486	12.007	16.458	20.380	24.510	26.850
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.484	2.483	7.886	12.922	17.684	21.666	25.537	27.573
	SKEWNESS COEFFICIENT= 5.0														
0.01	0.948	0.948	0.948	0.948	0.948	0.949	0.962	1.025	1.094	1.207	1.308	1.421	1.548	1.738	1.900
0.03	0.893	0.893	0.893	0.893	0.895	0.900	0.939	1.057	1.171	1.354	1.516	1.702	1.914	2.240	2.525
0.05	0.846	0.847	0.847	0.848	0.853	0.865	0.926	1.081	1.225	1.452	1.655	1.888	2.157	2.574	2.944
0.07	0.804	0.804	0.806	0.808	0.818	0.836	0.916	1.102	1.269	1.531	1.766	2.038	2.351	2.842	3.281
0.10	0.745	0.746	0.750	0.756	0.772	0.800	0.905	1.128	1.324	1.631	1.906	2.225	2.595	3.178	3.703
0.15	0.657	0.662	0.670	0.682	0.710	0.751	0.889	1.163	1.399	1.766	2.097	2.482	2.931	3.641	4.284
0.20	0.583	0.591	0.603	0.621	0.659	0.711	0.876	1.191	1.461	1.881	2.259	2.700	3.216	4.035	4.779
0.25	0.518	0.530	0.546	0.568	0.615	0.676	0.864	1.215	1.515	1.982	2.403	2.895	3.471	4.387	5.220
0.30	0.462	0.477	0.497	0.523	0.576	0.645	0.853	1.237	1.564	2.073	2.534	3.073	3.704	4.710	5.625
0.35	0.414	0.431	0.453	0.483	0.542	0.617	0.841	1.255	1.608	2.158	2.656	3.238	3.922	5.011	6.001
0.40	0.372	0.391	0.415	0.447	0.511	0.591	0.831	1.272	1.648	2.237	2.770	3.394	4.127	5.294	6.356
0.45	0.334	0.355	0.381	0.415	0.483	0.568	0.820	1.287	1.686	2.312	2.878	3.543	4.322	5.564	6.693
0.50	0.301	0.323	0.350	0.386	0.457	0.546	0.810	1.301	1.722	2.383	2.982	3.684	4.509	5.823	7.016
0.55	0.272	0.294	0.322	0.360	0.433	0.525	0.800	1.313	1.755	2.450	3.081	3.821	4.689	6.071	7.326
0.60	0.246	0.269	0.297	0.335	0.411	0.505	0.790	1.325	1.787	2.515	3.176	3.953	4.863	6.312	7.625
0.65	0.223	0.246	0.275	0.313	0.390	0.487	0.780	1.335	1.817	2.577	3.269	4.080	5.032	6.545	7.915
0.70	0.202	0.225	0.254	0.293	0.370	0.469	0.770	1.345	1.846	2.638	3.358	4.204	5.196	6.771	8.196
0.75	0.183	0.206	0.235	0.274	0.352	0.452	0.761	1.354	1.873	2.696	3.445	4.325	5.356	6.991	8.469
0.80	0.166	0.189	0.218	0.257	0.335	0.436	0.751	1.362	1.900	2.753	3.530	4.443	5.512	7.206	8.735
0.85	0.151	0.173	0.202	0.240	0.319	0.421	0.742	1.370	1.925	2.808	3.613	4.558	5.665	7.417	8.995
0.90	0.137	0.159	0.187	0.225	0.304	0.406	0.732	1.377	1.949	2.861	3.694	4.671	5.814	7.622	9.249
0.95	0.125	0.146	0.174	0.211	0.289	0.392	0.723	1.384	1.973	2.914	3.773	4.782	5.961	7.824	9.497
1.00	0.114	0.134	0.161	0.198	0.276	0.379	0.714	1.390	1.996	2.965	3.851	4.890	6.105	8.022	9.741
1.25	0.071	0.088	0.112	0.145	0.218	0.319	0.669	1.414	2.099	3.205	4.219	5.407	6.792	8.962	10.892
1.50	0.045	0.058	0.077	0.106	0.172	0.269	0.626	1.430	2.188	3.424	4.561	5.891	7.434	9.835	11.953
1.75	0.028	0.038	0.054	0.078	0.136	0.227	0.585	1.440	2.266	3.628	4.883	6.348	8.042	10.657	12.943
2.00	0.018	0.025	0.037	0.057	0.108	0.191	0.545	1.444	2.335	3.819	5.189	6.786	8.622	11.436	13.873
2.25	0.011	0.016	0.026	0.041	0.085	0.161	0.507	1.443	2.396	4.000	5.483	7.207	9.179	12.179	14.750
2.50	0.007	0.011	0.017	0.030	0.066	0.135	0.471	1.438	2.451	4.172	5.766	7.614	9.717	12.887	15.577
2.75	0.004	0.007	0.012	0.022	0.052	0.113	0.436	1.430	2.500	4.336	6.040	8.010	10.241	13.574	16.375
3.00	0.002	0.004	0.008	0.015	0.040	0.094	0.402	1.419	2.545	4.494	6.306	8.395	10.748	14.230	17.125
3.50	0.001	0.002	0.003	0.008	0.024	0.064	0.340	1.389	2.619	4.793	6.819	9.142	11.725	15.479	18.531
4.00	0.000	0.001	0.001	0.004	0.013	0.042	0.284	1.350	2.677	5.073	7.314	9.861	12.659	16.647	19.812
4.50	0.000	0.000	0.001	0.002	0.007	0.027	0.234	1.303	2.721	5.337	7.789	10.559	13.560	17.752	21.000
5.00	0.000	0.000	0.000	0.001	0.004	0.017	0.190	1.249	2.751	5.588	8.255	11.240	14.434	18.798	22.101
6.00	0.000	0.000	0.000	0.000	0.001	0.006	0.119	1.127	2.779	6.059	9.155	12.556	16.079	20.674	23.969
7.00	0.000	0.000	0.000	0.000	0.000	0.002	0.068	0.988	2.764	6.493	10.030	13.840	17.655	22.399	25.615
8.00	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.839	2.707	6.900	10.892	15.093	19.144	23.917	26.968
9.00	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.686	2.611	7.280	11.748	16.328	20.554	25.247	28.062
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.534	2.477	7.637	12.609	17.540	21.885	26.406	28.933

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

SKEWNESS COEFFICIENT= 5.5

0.01	0.952	0.952	0.952	0.952	0.952	0.952	0.962	1.020	1.089	1.204	1.307	1.425	1.558	1.759	1.931
0.03	0.900	0.900	0.900	0.900	0.901	0.905	0.938	1.051	1.165	1.349	1.515	1.707	1.927	2.268	2.569
0.05	0.856	0.856	0.857	0.857	0.861	0.870	0.925	1.075	1.218	1.447	1.654	1.893	2.171	2.606	2.995
0.07	0.816	0.816	0.817	0.819	0.826	0.841	0.915	1.095	1.261	1.526	1.765	2.043	2.367	2.877	3.336
0.10	0.759	0.760	0.763	0.767	0.781	0.805	0.903	1.121	1.316	1.624	1.904	2.230	2.611	3.216	3.763
0.15	0.674	0.678	0.684	0.694	0.719	0.756	0.888	1.155	1.390	1.759	2.094	2.487	2.947	3.682	4.352
0.20	0.601	0.608	0.618	0.634	0.668	0.716	0.875	1.183	1.451	1.873	2.255	2.704	3.233	4.079	4.852
0.25	0.537	0.547	0.562	0.582	0.625	0.682	0.863	1.207	1.505	1.973	2.398	2.898	3.488	4.434	5.299
0.30	0.482	0.495	0.512	0.536	0.586	0.651	0.851	1.228	1.553	2.063	2.528	3.076	3.722	4.759	5.709
0.35	0.433	0.449	0.469	0.497	0.552	0.624	0.841	1.246	1.596	2.147	2.649	3.241	3.939	5.062	6.091
0.40	0.391	0.408	0.431	0.461	0.522	0.598	0.830	1.263	1.636	2.225	2.762	3.396	4.145	5.348	6.451
0.45	0.353	0.372	0.397	0.429	0.494	0.575	0.820	1.278	1.673	2.298	2.869	3.543	4.340	5.620	6.794
0.50	0.320	0.340	0.366	0.400	0.468	0.553	0.810	1.291	1.708	2.368	2.971	3.684	4.527	5.881	7.122
0.55	0.290	0.311	0.338	0.374	0.444	0.533	0.800	1.303	1.740	2.434	3.069	3.819	4.707	6.132	7.437
0.60	0.264	0.285	0.313	0.350	0.422	0.513	0.790	1.314	1.771	2.498	3.163	3.950	4.881	6.375	7.742
0.65	0.240	0.262	0.290	0.327	0.401	0.495	0.781	1.324	1.800	2.559	3.254	4.077	5.049	6.610	8.037
0.70	0.219	0.241	0.269	0.307	0.382	0.478	0.771	1.334	1.828	2.618	3.342	4.200	5.213	6.839	8.323
0.75	0.199	0.222	0.250	0.288	0.364	0.462	0.762	1.343	1.855	2.674	3.428	4.319	5.373	7.061	8.602
0.80	0.182	0.204	0.233	0.271	0.347	0.446	0.753	1.351	1.881	2.730	3.511	4.436	5.529	7.279	8.874
0.85	0.166	0.188	0.216	0.254	0.331	0.431	0.743	1.358	1.905	2.783	3.592	4.550	5.681	7.491	9.140
0.90	0.152	0.174	0.201	0.239	0.316	0.417	0.734	1.365	1.929	2.836	3.672	4.661	5.831	7.699	9.399
0.95	0.139	0.160	0.188	0.225	0.302	0.403	0.725	1.371	1.951	2.887	3.749	4.771	5.977	7.903	9.654
1.00	0.127	0.148	0.175	0.212	0.289	0.390	0.717	1.377	1.973	2.936	3.825	4.878	6.120	8.103	9.903
1.25	0.082	0.100	0.124	0.158	0.231	0.331	0.674	1.401	2.072	3.169	4.185	5.388	6.805	9.055	11.084
1.50	0.054	0.068	0.088	0.118	0.185	0.282	0.632	1.416	2.157	3.380	4.517	5.863	7.444	9.941	12.175
1.75	0.035	0.046	0.063	0.089	0.149	0.241	0.593	1.425	2.232	3.575	4.830	6.313	8.050	10.777	13.200
2.00	0.023	0.032	0.045	0.067	0.120	0.206	0.555	1.428	2.297	3.758	5.125	6.742	8.628	11.571	14.169
2.25	0.015	0.021	0.032	0.050	0.096	0.175	0.519	1.428	2.354	3.929	5.408	7.153	9.183	12.331	15.088
2.50	0.009	0.014	0.023	0.037	0.077	0.149	0.484	1.424	2.406	4.092	5.680	7.551	9.718	13.059	15.960
2.75	0.006	0.010	0.016	0.028	0.062	0.127	0.451	1.416	2.451	4.247	5.942	7.936	10.238	13.762	16.797
3.00	0.004	0.006	0.011	0.020	0.049	0.107	0.420	1.406	2.492	4.395	6.196	8.311	10.744	14.442	17.599
3.50	0.001	0.003	0.005	0.011	0.031	0.076	0.361	1.379	2.561	4.673	6.683	9.036	11.718	15.738	19.111
4.00	0.001	0.001	0.003	0.006	0.019	0.053	0.308	1.344	2.614	4.932	7.148	9.733	12.650	16.957	20.507
4.50	0.000	0.000	0.001	0.003	0.011	0.037	0.260	1.302	2.654	5.174	7.596	10.406	13.551	18.121	21.815
5.00	0.000	0.000	0.000	0.001	0.007	0.025	0.217	1.254	2.681	5.402	8.028	11.062	14.425	19.237	23.053
6.00	0.000	0.000	0.000	0.000	0.002	0.010	0.146	1.147	2.706	5.823	8.859	12.328	16.093	21.293	25.254
7.00	0.000	0.000	0.000	0.000	0.000	0.004	0.093	1.027	2.694	6.203	9.654	13.551	17.677	23.168	27.172
8.00	0.000	0.000	0.000	0.000	0.000	0.001	0.055	0.898	2.648	6.549	10.425	14.742	19.195	24.895	28.863
9.00	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.766	2.571	6.868	11.180	15.911	20.655	26.482	30.343
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.633	2.463	7.157	11.925	17.075	22.079	27.941	31.645

SKEWNESS COEFFICIENT= 6.0

0.01	0.955	0.955	0.955	0.955	0.955	0.955	0.963	1.016	1.084	1.199	1.306	1.428	1.566	1.777	1.959
0.03	0.906	0.906	0.906	0.906	0.907	0.909	0.938	1.046	1.158	1.344	1.513	1.710	1.937	2.292	2.608
0.05	0.864	0.864	0.864	0.865	0.867	0.875	0.924	1.069	1.211	1.442	1.652	1.897	2.183	2.633	3.039
0.07	0.825	0.826	0.826	0.828	0.833	0.846	0.914	1.089	1.255	1.520	1.763	2.046	2.379	2.906	3.383
0.10	0.771	0.772	0.774	0.777	0.789	0.810	0.902	1.115	1.309	1.619	1.901	2.233	2.624	3.247	3.815
0.15	0.689	0.692	0.697	0.705	0.727	0.761	0.887	1.149	1.382	1.753	2.091	2.490	2.961	3.716	4.408
0.20	0.617	0.623	0.631	0.645	0.676	0.721	0.873	1.177	1.443	1.865	2.251	2.707	3.247	4.115	4.914
0.25	0.554	0.562	0.575	0.593	0.633	0.687	0.862	1.200	1.496	1.964	2.393	2.900	3.502	4.472	5.365
0.30	0.498	0.510	0.526	0.548	0.595	0.657	0.850	1.221	1.543	2.054	2.522	3.077	3.735	4.798	5.779
0.35	0.450	0.464	0.483	0.508	0.561	0.629	0.840	1.239	1.586	2.137	2.642	3.241	3.953	5.103	6.165
0.40	0.407	0.423	0.445	0.473	0.531	0.604	0.829	1.255	1.625	2.213	2.754	3.396	4.158	5.391	6.530
0.45	0.370	0.387	0.410	0.441	0.503	0.581	0.819	1.269	1.661	2.286	2.860	3.542	4.353	5.665	6.876
0.50	0.336	0.355	0.380	0.412	0.477	0.560	0.810	1.282	1.695	2.354	2.961	3.682	4.540	5.928	7.208
0.55	0.306	0.326	0.352	0.386	0.454	0.540	0.800	1.294	1.727	2.420	3.058	3.817	4.720	6.181	7.528
0.60	0.279	0.300	0.327	0.362	0.432	0.521	0.790	1.305	1.758	2.482	3.150	3.946	4.893	6.425	7.837
0.65	0.255	0.276	0.304	0.340	0.412	0.503	0.781	1.315	1.786	2.542	3.240	4.072	5.062	6.661	8.136
0.70	0.233	0.255	0.283	0.319	0.393	0.486	0.772	1.324	1.813	2.600	3.327	4.194	5.225	6.892	8.426
0.75	0.214	0.236	0.263	0.300	0.375	0.470	0.763	1.333	1.839	2.656	3.411	4.312	5.384	7.116	8.709
0.80	0.196	0.218	0.246	0.283	0.358	0.454	0.754	1.341	1.864	2.710	3.493	4.428	5.539	7.335	8.986
0.85	0.180	0.201	0.229	0.267	0.342	0.440	0.745	1.348	1.888	2.762	3.573	4.541	5.691	7.549	9.255
0.90	0.165	0.187	0.214	0.252	0.327	0.425	0.736	1.355	1.911	2.813	3.651	4.651	5.840	7.759	9.519
0.95	0.152	0.173	0.200	0.237	0.313	0.412	0.727	1.361	1.933	2.863	3.727	4.759	5.986	7.964	9.778
1.00	0.140	0.160	0.187	0.224	0.300	0.399	0.719	1.366	1.954	2.911	3.802	4.865	6.129	8.166	10.032
1.25	0.093	0.111	0.135	0.169	0.242	0.342	0.677	1.389	2.050	3.137	4.154	5.368	6.811	9.126	11.236
1.50	0.062	0.077	0.098	0.129	0.197	0.293	0.638	1.403	2.132	3.342	4.479	5.836	7.447	10.021	12.353
1.75	0.042	0.054	0.072	0.098	0.160	0.253	0.600	1.412	2.203	3.530	4.782	6.278	8.048	10.865	13.402
2.00	0.028	0.038	0.053	0.075	0.131	0.218	0.563	1.416	2.265	3.706	5.069	6.698	8.622	11.668	14.394
2.25	0.019	0.027	0.038	0.058	0.107	0.188	0.529	1.415	2.320	3.870	5.343	7.101	9.173	12.437	15.341
2.50	0.013	0.019	0.028	0.044	0.087	0.162	0.496	1.411	2.368	4.025	5.604	7.489	9.704	13.177	16.248
2.75	0.008	0.013	0.020	0.034	0.071	0.139	0.464	1.405	2.412	4.173	5.857	7.865	10.219	13.889	17.111
3.00	0.006	0.009	0.015	0.026	0.058	0.119	0.434	1.395	2.450	4.312	6.100	8.230	10.720	14.583	17.952
3.50	0.002	0.004	0.008	0.015	0.038	0.088	0.378	1.370	2.514	4.575	6.565	8.934	11.686	15.907	19.537
4.00	0.001	0.002	0.004	0.008	0.025	0.064	0.327	1.338	2.563	4.817	7.007	9.609	12.611	17.162	21.021
4.50	0.000	0.001	0.002	0.005	0.016	0.046	0.281	1.300	2.601	5.043	7.429	10.259	13.499	18.352	22.402
5.00	0.000	0.000	0.001	0.002	0.010	0.032	0.240	1.258	2.626	5.253	7.836	10.890	14.366	19.509	23.736
6.00	0.000	0.000	0.000	0.001	0.004	0.015	0.170	1.161	2.650	5.636	8.609	12.105	16.022	21.668	26.157
7.00	0.000	0.000	0.000	0.000	0.001	0.007	0.116	1.055	2.640	5.979	9.344	13.272	17.604	23.669	28.336
8.00	0.000	0.000	0.000	0.000	0.000	0.003	0.076	0.941	2.601	6.284	10.047	14.409	19.131	25.552	30.321
9.00	0.000	0.000	0.000	0.000	0.000	0.001	0.047	0.823	2.537	6.558	10.727	15.522	20.614	27.332	32.140
10.00	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.706	2.448	6.806	11.390	16.617	22.054	29.001	33.782

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	SKEWNESS COEFFICIENT= 6.5														
0.01	0.958	0.958	0.958	0.958	0.958	0.958	0.963	1.012	1.079	1.195	1.304	1.429	1.573	1.793	1.984
0.03	0.911	0.911	0.911	0.911	0.912	0.913	0.938	1.041	1.152	1.339	1.511	1.712	1.946	2.313	2.642
0.05	0.871	0.871	0.871	0.871	0.873	0.879	0.923	1.064	1.205	1.437	1.649	1.899	2.192	2.656	3.076
0.07	0.834	0.834	0.834	0.835	0.839	0.850	0.913	1.084	1.248	1.515	1.760	2.049	2.388	2.930	3.424
0.10	0.781	0.782	0.783	0.786	0.795	0.814	0.901	1.109	1.302	1.613	1.898	2.236	2.634	3.273	3.859
0.15	0.701	0.703	0.708	0.715	0.734	0.766	0.885	1.143	1.375	1.747	2.088	2.492	2.971	3.744	4.457
0.20	0.630	0.635	0.643	0.655	0.684	0.726	0.872	1.171	1.436	1.858	2.247	2.709	3.257	4.145	4.966
0.25	0.568	0.576	0.587	0.603	0.640	0.692	0.861	1.194	1.488	1.957	2.388	2.901	3.512	4.503	5.421
0.30	0.513	0.524	0.538	0.559	0.603	0.662	0.850	1.215	1.535	2.046	2.517	3.077	3.746	4.832	5.838
0.35	0.465	0.478	0.495	0.519	0.569	0.635	0.839	1.232	1.577	2.127	2.635	3.241	3.963	5.138	6.227
0.40	0.422	0.437	0.457	0.484	0.539	0.610	0.829	1.248	1.615	2.203	2.746	3.395	4.168	5.427	6.595
0.45	0.384	0.401	0.423	0.452	0.511	0.587	0.819	1.262	1.651	2.275	2.852	3.540	4.363	5.702	6.945
0.50	0.351	0.369	0.392	0.423	0.486	0.566	0.809	1.275	1.685	2.342	2.951	3.679	4.550	5.966	7.280
0.55	0.320	0.339	0.364	0.397	0.462	0.546	0.800	1.287	1.716	2.407	3.047	3.813	4.729	6.219	7.603
0.60	0.293	0.313	0.339	0.373	0.441	0.527	0.791	1.298	1.746	2.468	3.139	3.942	4.902	6.465	7.915
0.65	0.269	0.289	0.316	0.351	0.420	0.509	0.781	1.307	1.774	2.527	3.227	4.066	5.070	6.703	8.217
0.70	0.247	0.268	0.295	0.330	0.402	0.493	0.772	1.316	1.801	2.584	3.313	4.187	5.233	6.934	8.511
0.75	0.227	0.248	0.275	0.311	0.384	0.477	0.764	1.324	1.826	2.639	3.396	4.304	5.391	7.159	8.797
0.80	0.209	0.230	0.257	0.294	0.367	0.461	0.755	1.332	1.850	2.692	3.477	4.419	5.546	7.379	9.077
0.85	0.192	0.213	0.241	0.278	0.352	0.447	0.746	1.339	1.873	2.743	3.556	4.530	5.697	7.594	9.350
0.90	0.177	0.198	0.226	0.262	0.337	0.433	0.738	1.346	1.896	2.793	3.632	4.640	5.846	7.805	9.617
0.95	0.163	0.184	0.211	0.248	0.323	0.420	0.729	1.352	1.917	2.842	3.708	4.747	5.991	8.012	9.879
1.00	0.151	0.171	0.198	0.235	0.309	0.407	0.721	1.357	1.938	2.889	3.781	4.851	6.133	8.214	10.136
1.25	0.102	0.121	0.145	0.180	0.252	0.351	0.680	1.379	2.031	3.110	4.126	5.349	6.811	9.179	11.357
1.50	0.070	0.086	0.107	0.139	0.207	0.303	0.642	1.393	2.110	3.309	4.444	5.810	7.443	10.079	12.491
1.75	0.048	0.061	0.080	0.107	0.170	0.263	0.605	1.401	2.178	3.491	4.740	6.244	8.040	10.929	13.559
2.00	0.033	0.044	0.060	0.084	0.141	0.228	0.571	1.405	2.238	3.661	5.019	6.657	8.609	11.738	14.572
2.25	0.023	0.031	0.045	0.065	0.116	0.199	0.537	1.405	2.291	3.819	5.285	7.052	9.155	12.512	15.538
2.50	0.016	0.023	0.033	0.051	0.096	0.173	0.506	1.401	2.337	3.968	5.538	7.432	9.681	13.257	16.464
2.75	0.011	0.016	0.025	0.040	0.080	0.150	0.475	1.395	2.378	4.109	5.782	7.799	10.191	13.979	17.357
3.00	0.007	0.012	0.019	0.031	0.066	0.130	0.446	1.387	2.415	4.243	6.017	8.155	10.685	14.675	18.212
3.50	0.004	0.006	0.010	0.019	0.045	0.098	0.392	1.363	2.475	4.493	6.463	8.839	11.639	16.014	19.849
4.00	0.002	0.003	0.006	0.011	0.030	0.073	0.343	1.334	2.522	4.721	6.886	9.493	12.553	17.291	21.395
4.50	0.001	0.001	0.003	0.006	0.020	0.054	0.299	1.299	2.557	4.933	7.287	10.123	13.433	18.509	22.855
5.00	0.000	0.001	0.002	0.004	0.013	0.040	0.259	1.260	2.582	5.130	7.672	10.731	14.281	19.671	24.226
6.00	0.000	0.000	0.000	0.001	0.005	0.021	0.191	1.172	2.605	5.486	8.401	11.898	15.916	21.891	26.807
7.00	0.000	0.000	0.000	0.000	0.002	0.010	0.136	1.076	2.597	5.799	9.082	13.014	17.475	23.969	29.166
8.00	0.000	0.000	0.000	0.000	0.001	0.005	0.095	0.973	2.564	6.076	9.733	14.092	18.980	25.928	31.339
9.00	0.000	0.000	0.000	0.000	0.000	0.002	0.063	0.867	2.508	6.321	10.354	15.147	20.448	27.811	33.384
10.00	0.000	0.000	0.000	0.000	0.000	0.001	0.040	0.761	2.433	6.537	10.952	16.180	21.876	29.600	35.268
	SKEWNESS COEFFICIENT= 7.0														
0.01	0.960	0.960	0.960	0.960	0.960	0.960	0.964	1.009	1.074	1.191	1.301	1.430	1.578	1.806	2.006
0.03	0.915	0.915	0.915	0.915	0.916	0.917	0.938	1.036	1.147	1.334	1.508	1.713	1.953	2.331	2.671
0.05	0.877	0.877	0.877	0.877	0.878	0.883	0.923	1.059	1.199	1.432	1.647	1.901	2.200	2.676	3.110
0.07	0.841	0.841	0.841	0.842	0.845	0.854	0.912	1.079	1.242	1.510	1.757	2.050	2.396	2.951	3.459
0.10	0.790	0.790	0.791	0.793	0.801	0.818	0.900	1.104	1.296	1.608	1.896	2.237	2.642	3.295	3.897
0.15	0.712	0.713	0.717	0.723	0.740	0.770	0.885	1.138	1.369	1.741	2.084	2.493	2.980	3.768	4.498
0.20	0.642	0.646	0.653	0.663	0.690	0.730	0.872	1.166	1.429	1.852	2.243	2.709	3.266	4.171	5.011
0.25	0.580	0.587	0.597	0.612	0.647	0.696	0.860	1.189	1.481	1.950	2.384	2.902	3.521	4.530	5.468
0.30	0.526	0.535	0.548	0.568	0.609	0.666	0.849	1.209	1.527	2.038	2.511	3.077	3.754	4.859	5.888
0.35	0.478	0.490	0.506	0.528	0.576	0.639	0.839	1.227	1.569	2.119	2.629	3.240	3.971	5.166	6.280
0.40	0.435	0.449	0.467	0.493	0.546	0.614	0.829	1.242	1.607	2.194	2.739	3.393	4.176	5.456	6.650
0.45	0.397	0.413	0.433	0.461	0.518	0.592	0.819	1.256	1.642	2.265	2.843	3.538	4.370	5.732	7.003
0.50	0.363	0.380	0.403	0.433	0.493	0.571	0.809	1.269	1.675	2.332	2.943	3.676	4.556	5.997	7.341
0.55	0.333	0.351	0.375	0.406	0.470	0.551	0.800	1.280	1.706	2.395	3.037	3.809	4.735	6.252	7.666
0.60	0.306	0.325	0.349	0.382	0.448	0.533	0.791	1.291	1.735	2.456	3.128	3.936	4.908	6.498	7.980
0.65	0.281	0.301	0.326	0.360	0.428	0.515	0.782	1.300	1.763	2.514	3.216	4.060	5.075	6.736	8.285
0.70	0.259	0.279	0.305	0.340	0.410	0.498	0.773	1.309	1.789	2.570	3.300	4.180	5.237	6.968	8.582
0.75	0.239	0.259	0.286	0.321	0.392	0.483	0.764	1.317	1.814	2.624	3.383	4.297	5.396	7.194	8.871
0.80	0.220	0.241	0.268	0.304	0.375	0.468	0.756	1.325	1.838	2.676	3.462	4.410	5.550	7.415	9.152
0.85	0.203	0.224	0.251	0.287	0.360	0.454	0.747	1.332	1.861	2.727	3.540	4.521	5.701	7.631	9.428
0.90	0.188	0.209	0.236	0.272	0.345	0.440	0.739	1.338	1.882	2.776	3.616	4.629	5.848	7.842	9.698
0.95	0.174	0.195	0.222	0.258	0.331	0.427	0.731	1.344	1.903	2.823	3.689	4.735	5.992	8.049	9.962
1.00	0.161	0.182	0.208	0.244	0.318	0.414	0.723	1.349	1.924	2.870	3.762	4.838	6.134	8.253	10.222
1.25	0.111	0.130	0.154	0.189	0.261	0.358	0.683	1.371	2.014	3.086	4.101	5.330	6.808	9.220	11.455
1.50	0.077	0.093	0.116	0.147	0.216	0.312	0.646	1.384	2.091	3.280	4.413	5.785	7.436	10.123	12.603
1.75	0.054	0.068	0.087	0.116	0.179	0.272	0.610	1.392	2.157	3.457	4.703	6.212	8.028	10.976	13.685
2.00	0.038	0.050	0.066	0.091	0.150	0.238	0.577	1.396	2.215	3.622	4.976	6.619	8.592	11.788	14.711
2.25	0.027	0.036	0.050	0.072	0.125	0.208	0.544	1.396	2.266	3.775	5.233	7.006	9.133	12.565	15.692
2.50	0.019	0.027	0.038	0.057	0.104	0.182	0.514	1.393	2.310	3.919	5.480	7.378	9.654	13.314	16.635
2.75	0.013	0.020	0.029	0.045	0.087	0.160	0.484	1.387	2.350	4.055	5.716	7.737	10.158	14.036	17.540
3.00	0.010	0.014	0.022	0.036	0.073	0.140	0.457	1.379	2.385	4.183	5.943	8.085	10.647	14.740	18.420
3.50	0.005	0.008	0.013	0.022	0.051	0.107	0.405	1.357	2.443	4.422	6.374	8.752	11.588	16.087	20.093
4.00	0.002	0.004	0.007	0.014	0.036	0.082	0.357	1.330	2.488	4.641	6.780	9.388	12.487	17.365	21.665
4.50	0.001	0.002	0.004	0.009	0.025	0.062	0.314	1.297	2.521	4.841	7.164	9.998	13.354	18.599	23.178
5.00	0.001	0.001	0.002	0.005	0.017	0.047	0.275	1.261	2.544	5.027	7.531	10.586	14.192	19.784	24.615
6.00	0.000	0.000	0.001	0.002	0.008	0.026	0.209	1.180	2.567	5.360	8.221	11.712	15.799	22.036	27.311
7.00	0.000	0.000	0.000	0.001	0.003	0.014	0.155	1.091	2.561	5.651	8.864	12.782	17.333	24.159	29.803
8.00	0.000	0.000	0.000	0.000	0.001	0.007	0.112	0.998	2.533	5.907	9.468	13.810	18.805	26.164	32.106
9.00	0.000	0.000	0.000	0.000	0.000	0.003	0.079	0.902	2.485	6.131	10.043	14.805	20.233	28.071	34.257
10.00	0.000	0.000	0.000	0.000	0.000	0.002	0.054	0.805	2.418	6.326	10.593	15.782	21.638	29.940	36.337

VARIANCE	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

SKEWNESS COEFFICIENT= 7.5

0.01	0.962	0.962	0.962	0.962	0.962	0.962	0.965	1.006	1.069	1.187	1.299	1.430	1.582	1.818	2.026
0.03	0.919	0.919	0.919	0.919	0.919	0.920	0.938	1.033	1.142	1.330	1.506	1.714	1.959	2.347	2.698
0.05	0.882	0.882	0.882	0.882	0.883	0.886	0.923	1.055	1.194	1.427	1.644	1.901	2.206	2.693	3.139
0.07	0.847	0.847	0.847	0.847	0.850	0.858	0.912	1.075	1.237	1.505	1.755	2.051	2.403	2.970	3.490
0.10	0.797	0.797	0.798	0.800	0.807	0.822	0.900	1.100	1.291	1.603	1.892	2.238	2.649	3.314	3.930
0.15	0.721	0.722	0.725	0.730	0.746	0.773	0.884	1.134	1.363	1.735	2.081	2.494	2.987	3.789	4.534
0.20	0.652	0.656	0.662	0.671	0.696	0.734	0.871	1.161	1.423	1.846	2.239	2.709	3.273	4.192	5.049
0.25	0.591	0.597	0.606	0.620	0.653	0.700	0.859	1.184	1.475	1.943	2.379	2.901	3.527	4.552	5.509
0.30	0.537	0.546	0.558	0.576	0.615	0.670	0.849	1.204	1.520	2.031	2.506	3.076	3.761	4.882	5.931
0.35	0.489	0.500	0.515	0.536	0.582	0.643	0.838	1.221	1.562	2.111	2.623	3.238	3.977	5.190	6.325
0.40	0.447	0.460	0.477	0.501	0.552	0.619	0.828	1.237	1.600	2.186	2.733	3.390	4.182	5.481	6.697
0.45	0.409	0.423	0.443	0.470	0.525	0.596	0.819	1.251	1.635	2.256	2.836	3.535	4.376	5.758	7.052
0.50	0.375	0.391	0.412	0.441	0.500	0.575	0.809	1.263	1.667	2.322	2.934	3.672	4.562	6.023	7.392
0.55	0.344	0.362	0.384	0.415	0.477	0.556	0.800	1.275	1.698	2.385	3.028	3.804	4.740	6.278	7.719
0.60	0.317	0.335	0.359	0.391	0.455	0.537	0.791	1.285	1.726	2.445	3.118	3.931	4.912	6.525	8.036
0.65	0.292	0.311	0.336	0.369	0.435	0.520	0.782	1.294	1.753	2.502	3.205	4.054	5.079	6.764	8.343
0.70	0.270	0.289	0.315	0.349	0.417	0.504	0.774	1.303	1.779	2.557	3.289	4.173	5.241	6.996	8.641
0.75	0.249	0.269	0.295	0.330	0.399	0.488	0.765	1.311	1.804	2.610	3.370	4.288	5.398	7.223	8.932
0.80	0.230	0.251	0.277	0.312	0.383	0.473	0.757	1.318	1.827	2.662	3.449	4.401	5.552	7.444	9.216
0.85	0.213	0.234	0.260	0.296	0.367	0.459	0.748	1.325	1.849	2.712	3.525	4.511	5.702	7.660	9.493
0.90	0.198	0.218	0.245	0.281	0.353	0.446	0.740	1.331	1.871	2.760	3.600	4.618	5.849	7.872	9.765
0.95	0.184	0.204	0.231	0.266	0.339	0.433	0.732	1.337	1.891	2.807	3.673	4.723	5.992	8.079	10.031
1.00	0.170	0.191	0.217	0.253	0.326	0.421	0.724	1.342	1.911	2.852	3.744	4.825	6.133	8.283	10.293
1.25	0.119	0.138	0.163	0.197	0.269	0.365	0.686	1.363	2.000	3.064	4.079	5.312	6.804	9.253	11.536
1.50	0.084	0.101	0.123	0.155	0.224	0.319	0.649	1.377	2.075	3.255	4.385	5.762	7.427	10.157	12.694
1.75	0.060	0.074	0.094	0.123	0.187	0.280	0.615	1.385	2.139	3.428	4.669	6.183	8.015	11.010	13.785
2.00	0.043	0.055	0.072	0.098	0.157	0.246	0.582	1.388	2.195	3.588	4.936	6.582	8.573	11.823	14.823
2.25	0.031	0.041	0.056	0.078	0.133	0.217	0.551	1.388	2.244	3.737	5.188	6.963	9.108	12.602	15.815
2.50	0.022	0.031	0.043	0.063	0.112	0.191	0.521	1.385	2.288	3.876	5.428	7.328	9.624	13.352	16.766
2.75	0.016	0.023	0.033	0.050	0.095	0.169	0.492	1.380	2.325	4.007	5.657	7.680	10.122	14.077	17.688
3.00	0.012	0.017	0.026	0.040	0.080	0.149	0.465	1.372	2.359	4.132	5.878	8.021	10.606	14.779	18.574
3.50	0.006	0.010	0.015	0.026	0.057	0.116	0.415	1.352	2.415	4.362	6.296	8.672	11.534	16.130	20.276
4.00	0.003	0.005	0.009	0.017	0.041	0.090	0.369	1.326	2.458	4.570	6.687	9.291	12.420	17.418	21.889
4.50	0.002	0.003	0.005	0.011	0.029	0.070	0.328	1.296	2.490	4.762	7.057	9.884	13.272	18.649	23.418
5.00	0.001	0.002	0.003	0.007	0.020	0.054	0.290	1.262	2.513	4.939	7.409	10.454	14.096	19.839	24.890
6.00	0.000	0.000	0.001	0.003	0.010	0.031	0.224	1.187	2.535	5.255	8.066	11.541	15.671	22.101	27.657
7.00	0.000	0.000	0.000	0.001	0.005	0.018	0.171	1.104	2.532	5.528	8.676	12.571	17.175	24.246	30.243
8.00	0.000	0.000	0.000	0.000	0.002	0.010	0.128	1.018	2.507	5.766	9.245	13.556	18.622	26.292	32.674
9.00	0.000	0.000	0.000	0.000	0.001	0.005	0.094	0.929	2.464	5.974	9.781	14.505	20.015	28.234	34.936
10.00	0.000	0.000	0.000	0.000	0.000	0.003	0.067	0.840	2.406	6.155	10.291	15.425	21.372	30.099	37.078

SKEWNESS COEFFICIENT= 8.0

0.01	0.964	0.964	0.964	0.964	0.964	0.964	0.966	1.004	1.065	1.183	1.296	1.430	1.586	1.829	2.044
0.03	0.922	0.922	0.922	0.922	0.922	0.923	0.939	1.029	1.137	1.325	1.503	1.714	1.963	2.360	2.721
0.05	0.886	0.886	0.886	0.886	0.887	0.890	0.923	1.051	1.189	1.422	1.641	1.902	2.211	2.708	3.164
0.07	0.852	0.852	0.852	0.852	0.854	0.861	0.912	1.071	1.232	1.501	1.752	2.051	2.408	2.985	3.518
0.10	0.803	0.804	0.804	0.806	0.811	0.825	0.899	1.096	1.286	1.598	1.889	2.238	2.654	3.331	3.959
0.15	0.729	0.730	0.732	0.737	0.751	0.777	0.883	1.130	1.358	1.730	2.077	2.493	2.992	3.806	4.565
0.20	0.661	0.664	0.669	0.678	0.701	0.737	0.870	1.157	1.418	1.841	2.235	2.709	3.278	4.210	5.082
0.25	0.601	0.606	0.614	0.627	0.658	0.703	0.859	1.180	1.469	1.938	2.375	2.900	3.533	4.571	5.544
0.30	0.547	0.555	0.566	0.583	0.621	0.673	0.848	1.200	1.514	2.025	2.501	3.074	3.766	4.902	5.968
0.35	0.500	0.510	0.524	0.544	0.587	0.647	0.838	1.217	1.555	2.104	2.618	3.236	3.982	5.210	6.364
0.40	0.457	0.469	0.486	0.509	0.558	0.622	0.828	1.232	1.593	2.178	2.726	3.388	4.186	5.502	6.738
0.45	0.419	0.433	0.452	0.477	0.530	0.600	0.819	1.246	1.627	2.248	2.829	3.531	4.380	5.779	7.094
0.50	0.385	0.401	0.421	0.449	0.506	0.579	0.809	1.258	1.660	2.313	2.927	3.668	4.565	6.044	7.436
0.55	0.355	0.371	0.393	0.423	0.483	0.560	0.800	1.269	1.690	2.375	3.020	3.800	4.743	6.300	7.765
0.60	0.327	0.345	0.368	0.399	0.461	0.542	0.791	1.280	1.718	2.435	3.109	3.926	4.915	6.547	8.083
0.65	0.302	0.321	0.345	0.377	0.442	0.525	0.783	1.289	1.745	2.491	3.195	4.048	5.081	6.786	8.392
0.70	0.279	0.298	0.323	0.356	0.423	0.508	0.774	1.297	1.770	2.546	3.278	4.166	5.242	7.019	8.691
0.75	0.259	0.278	0.304	0.338	0.406	0.493	0.766	1.305	1.794	2.598	3.358	4.281	5.399	7.246	8.984
0.80	0.240	0.260	0.286	0.320	0.389	0.478	0.757	1.313	1.817	2.649	3.436	4.392	5.552	7.467	9.269
0.85	0.223	0.243	0.269	0.304	0.374	0.464	0.749	1.319	1.839	2.698	3.512	4.501	5.702	7.684	9.548
0.90	0.207	0.227	0.253	0.288	0.359	0.451	0.741	1.325	1.860	2.746	3.586	4.608	5.848	7.896	9.821
0.95	0.192	0.213	0.239	0.274	0.346	0.438	0.733	1.331	1.881	2.792	3.658	4.712	5.991	8.104	10.089
1.00	0.179	0.199	0.225	0.261	0.332	0.426	0.725	1.336	1.900	2.837	3.728	4.814	6.131	8.308	10.352
1.25	0.126	0.145	0.170	0.205	0.276	0.372	0.688	1.357	1.987	3.045	4.058	5.295	6.797	9.278	11.604
1.50	0.091	0.108	0.130	0.162	0.231	0.326	0.652	1.370	2.060	3.232	4.359	5.739	7.416	10.182	12.769
1.75	0.065	0.080	0.101	0.130	0.195	0.287	0.618	1.378	2.123	3.401	4.638	6.155	7.999	11.036	13.868
2.00	0.048	0.060	0.078	0.105	0.165	0.253	0.586	1.381	2.178	3.557	4.900	6.548	8.554	11.849	14.913
2.25	0.035	0.045	0.061	0.084	0.140	0.224	0.556	1.381	2.225	3.703	5.147	6.923	9.083	12.627	15.911
2.50	0.026	0.034	0.048	0.068	0.119	0.199	0.527	1.379	2.267	3.838	5.381	7.282	9.593	13.378	16.874
2.75	0.019	0.026	0.037	0.055	0.101	0.176	0.499	1.374	2.305	3.966	5.605	7.628	10.086	14.102	17.798
3.00	0.014	0.020	0.029	0.045	0.086	0.157	0.473	1.367	2.337	4.086	5.820	7.961	10.564	14.806	18.701
3.50	0.008	0.011	0.018	0.030	0.063	0.123	0.424	1.348	2.391	4.308	6.226	8.599	11.480	16.155	20.420
4.00	0.004	0.007	0.011	0.020	0.046	0.097	0.380	1.323	2.433	4.510	6.605	9.203	12.352	17.439	22.045
4.50	0.002	0.004	0.007	0.013	0.033	0.077	0.339	1.295	2.464	4.694	6.962	9.780	13.192	18.676	23.606
5.00	0.001	0.002	0.004	0.008	0.024	0.060	0.302	1.263	2.486	4.863	7.301	10.335	14.001	19.866	25.099
6.00	0.000	0.001	0.002	0.004	0.012	0.037	0.238	1.192	2.508	5.165	7.932	11.388	15.549	22.134	27.925
7.00	0.000	0.000	0.001	0.001	0.006	0.022	0.185	1.115	2.507	5.424	8.512	12.381	17.016	24.273	30.556
8.00	0.000	0.000	0.000	0.001	0.003	0.013	0.142	1.034	2.485	5.649	9.054	13.326	18.427	26.317	33.037
9.00	0.000	0.000	0.000	0.000	0.001	0.007	0.107	0.951	2.446	5.843	9.559	14.236	19.796	28.302	35.431
10.00	0.000	0.000	0.000	0.000	0.001	0.004	0.080	0.868	2.394	6.012	10.035	15.113	21.116	30.186	37.657

	NON-EXCEEDANCE PROBABILITY														
	0.005	0.010	0.020	0.040	0.100	0.200	0.500	0.800	0.900	0.960	0.980	0.990	0.995	0.998	0.999
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL LARGEST EVENTS														
	1.005	1.010	1.020	1.042	1.111	1.250	2.	5.	10.	25.	50.	100.	200.	500.	1000.
	RECURRENCE INTERVAL IN YEARS FOR THE ANNUAL SMALLEST EVENTS														
VARIANCE	200.	100.	50.	25.	10.	5.	2.	1.250	1.111	1.042	1.020	1.010	1.005	1.002	1.001
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
SKEWNESS COEFFICIENT= 8.5															
0.01	0.965	0.965	0.965	0.965	0.965	0.965	0.967	1.001	1.061	1.178	1.293	1.429	1.589	1.838	2.060
0.03	0.925	0.925	0.925	0.925	0.925	0.926	0.939	1.026	1.132	1.321	1.500	1.713	1.967	2.372	2.741
0.05	0.890	0.890	0.890	0.890	0.890	0.893	0.923	1.048	1.185	1.418	1.638	1.901	2.215	2.721	3.187
0.07	0.856	0.856	0.856	0.857	0.858	0.864	0.912	1.067	1.227	1.496	1.749	2.051	2.412	2.999	3.542
0.10	0.809	0.809	0.810	0.811	0.816	0.828	0.899	1.092	1.281	1.594	1.887	2.238	2.659	3.345	3.984
0.15	0.736	0.737	0.739	0.743	0.756	0.779	0.883	1.126	1.353	1.726	2.074	2.493	2.997	3.821	4.593
0.20	0.669	0.672	0.676	0.684	0.706	0.740	0.870	1.153	1.413	1.836	2.232	2.708	3.283	4.226	5.111
0.25	0.609	0.614	0.622	0.634	0.663	0.706	0.858	1.176	1.464	1.932	2.371	2.899	3.537	4.587	5.575
0.30	0.556	0.563	0.574	0.590	0.626	0.677	0.848	1.196	1.509	2.019	2.496	3.073	3.770	4.919	6.000
0.35	0.509	0.518	0.531	0.550	0.592	0.650	0.838	1.213	1.550	2.098	2.612	3.234	3.986	5.227	6.398
0.40	0.466	0.478	0.493	0.516	0.563	0.626	0.828	1.228	1.587	2.171	2.721	3.385	4.190	5.519	6.773
0.45	0.428	0.442	0.459	0.484	0.536	0.604	0.818	1.242	1.621	2.240	2.823	3.528	4.383	5.797	7.131
0.50	0.394	0.409	0.429	0.456	0.511	0.583	0.809	1.254	1.653	2.305	2.920	3.665	4.568	6.063	7.474
0.55	0.364	0.380	0.401	0.430	0.488	0.564	0.800	1.265	1.683	2.367	3.012	3.795	4.745	6.319	7.804
0.60	0.336	0.353	0.376	0.406	0.467	0.546	0.792	1.275	1.711	2.425	3.101	3.921	4.916	6.566	8.124
0.65	0.311	0.329	0.352	0.384	0.447	0.529	0.783	1.284	1.737	2.482	3.186	4.042	5.082	6.806	8.434
0.70	0.288	0.307	0.331	0.363	0.429	0.513	0.775	1.293	1.762	2.536	3.268	4.159	5.243	7.039	8.735
0.75	0.267	0.287	0.311	0.345	0.411	0.497	0.766	1.300	1.786	2.588	3.348	4.274	5.399	7.266	9.028
0.80	0.248	0.268	0.293	0.327	0.395	0.483	0.758	1.307	1.809	2.638	3.425	4.384	5.551	7.487	9.315
0.85	0.231	0.251	0.276	0.311	0.380	0.469	0.750	1.314	1.830	2.686	3.500	4.492	5.700	7.704	9.595
0.90	0.215	0.235	0.261	0.295	0.365	0.456	0.742	1.320	1.851	2.733	3.573	4.598	5.846	7.916	9.870
0.95	0.200	0.220	0.246	0.281	0.352	0.443	0.734	1.326	1.871	2.779	3.644	4.701	5.988	8.123	10.139
1.00	0.187	0.207	0.233	0.268	0.339	0.431	0.727	1.331	1.890	2.823	3.714	4.802	6.128	8.328	10.403
1.25	0.133	0.152	0.177	0.212	0.282	0.377	0.690	1.351	1.975	3.028	4.039	5.279	6.791	9.298	11.660
1.50	0.097	0.114	0.137	0.169	0.238	0.332	0.655	1.364	2.047	3.211	4.336	5.718	7.406	10.202	12.831
1.75	0.071	0.086	0.107	0.136	0.201	0.293	0.622	1.372	2.109	3.378	4.611	6.129	7.984	11.055	13.936
2.00	0.052	0.065	0.084	0.110	0.171	0.260	0.590	1.375	2.162	3.531	4.868	6.517	8.534	11.867	14.986
2.25	0.039	0.050	0.066	0.090	0.146	0.231	0.561	1.376	2.209	3.672	5.110	6.886	9.058	12.645	15.992
2.50	0.029	0.038	0.052	0.073	0.125	0.206	0.533	1.373	2.250	3.805	5.340	7.240	9.563	13.394	16.958
2.75	0.021	0.029	0.041	0.060	0.107	0.183	0.506	1.368	2.286	3.929	5.558	7.579	10.050	14.118	17.893
3.00	0.016	0.023	0.033	0.049	0.092	0.164	0.480	1.362	2.318	4.046	5.768	7.907	10.522	14.819	18.795
3.50	0.009	0.013	0.021	0.033	0.068	0.131	0.432	1.344	2.370	4.262	6.164	8.532	11.427	16.165	20.526
4.00	0.005	0.008	0.013	0.022	0.050	0.104	0.389	1.320	2.410	4.457	6.532	9.123	12.288	17.451	22.176
4.50	0.003	0.005	0.008	0.015	0.037	0.083	0.349	1.293	2.441	4.634	6.878	9.686	13.113	18.683	23.748
5.00	0.002	0.003	0.005	0.010	0.027	0.066	0.313	1.263	2.462	4.797	7.206	10.226	13.908	19.867	25.251
6.00	0.000	0.001	0.002	0.005	0.015	0.042	0.250	1.196	2.485	5.086	7.814	11.248	15.427	22.131	28.114
7.00	0.000	0.000	0.001	0.002	0.008	0.026	0.198	1.124	2.484	5.334	8.370	12.210	16.868	24.279	30.807
8.00	0.000	0.000	0.000	0.001	0.004	0.016	0.155	1.048	2.465	5.547	8.886	13.122	18.248	26.328	33.350
9.00	0.000	0.000	0.000	0.000	0.002	0.009	0.120	0.970	2.431	5.732	9.368	13.992	19.572	28.274	35.726
10.00	0.000	0.000	0.000	0.000	0.001	0.005	0.092	0.892	2.383	5.890	9.817	14.835	20.869	30.198	38.080
SKEWNESS COEFFICIENT= 9.0															
0.01	0.967	0.967	0.967	0.967	0.967	0.967	0.968	0.999	1.058	1.174	1.290	1.428	1.591	1.846	2.075
0.03	0.927	0.927	0.927	0.927	0.927	0.928	0.940	1.023	1.128	1.317	1.497	1.713	1.970	2.382	2.760
0.05	0.893	0.893	0.893	0.893	0.893	0.895	0.923	1.045	1.181	1.414	1.635	1.901	2.218	2.732	3.207
0.07	0.860	0.860	0.860	0.860	0.862	0.867	0.912	1.064	1.223	1.492	1.746	2.051	2.416	3.010	3.563
0.10	0.814	0.814	0.814	0.815	0.820	0.831	0.899	1.089	1.277	1.590	1.884	2.237	2.662	3.358	4.006
0.15	0.742	0.743	0.744	0.748	0.760	0.782	0.883	1.123	1.349	1.721	2.071	2.492	3.000	3.834	4.617
0.20	0.676	0.678	0.683	0.690	0.710	0.743	0.870	1.150	1.408	1.831	2.228	2.708	3.286	4.240	5.137
0.25	0.617	0.621	0.628	0.640	0.667	0.709	0.858	1.173	1.459	1.927	2.367	2.898	3.540	4.601	5.602
0.30	0.564	0.571	0.580	0.595	0.630	0.679	0.847	1.192	1.504	2.013	2.492	3.071	3.773	4.933	6.029
0.35	0.517	0.526	0.538	0.556	0.597	0.653	0.837	1.209	1.545	2.092	2.608	3.232	3.989	5.243	6.427
0.40	0.475	0.485	0.500	0.522	0.567	0.629	0.828	1.224	1.581	2.165	2.715	3.382	4.192	5.534	6.804
0.45	0.437	0.449	0.466	0.490	0.540	0.607	0.818	1.238	1.615	2.234	2.817	3.525	4.385	5.812	7.163
0.50	0.403	0.417	0.436	0.462	0.516	0.586	0.809	1.250	1.647	2.298	2.913	3.661	4.569	6.078	7.507
0.55	0.372	0.388	0.408	0.436	0.493	0.567	0.800	1.261	1.676	2.359	3.005	3.790	4.746	6.334	7.838
0.60	0.344	0.361	0.383	0.412	0.472	0.549	0.792	1.271	1.704	2.417	3.093	3.916	4.917	6.582	8.159
0.65	0.319	0.337	0.359	0.390	0.452	0.532	0.783	1.280	1.730	2.473	3.177	4.036	5.082	6.822	8.470
0.70	0.296	0.314	0.338	0.370	0.434	0.517	0.775	1.288	1.755	2.526	3.259	4.153	5.243	7.055	8.772
0.75	0.275	0.294	0.318	0.351	0.417	0.501	0.767	1.296	1.779	2.578	3.338	4.266	5.398	7.282	9.067
0.80	0.256	0.275	0.300	0.333	0.400	0.487	0.759	1.303	1.801	2.627	3.415	4.377	5.550	7.504	9.354
0.85	0.239	0.258	0.283	0.317	0.385	0.473	0.751	1.309	1.822	2.675	3.489	4.484	5.698	7.720	9.636
0.90	0.223	0.242	0.268	0.302	0.371	0.460	0.743	1.315	1.843	2.722	3.561	4.588	5.843	7.932	9.911
0.95	0.208	0.228	0.253	0.288	0.357	0.448	0.735	1.321	1.862	2.767	3.632	4.691	5.985	8.140	10.181
1.00	0.194	0.214	0.240	0.274	0.344	0.436	0.728	1.326	1.881	2.810	3.700	4.791	6.124	8.344	10.446
1.25	0.140	0.159	0.184	0.218	0.288	0.382	0.691	1.346	1.965	3.013	4.022	5.264	6.783	9.314	11.708
1.50	0.102	0.120	0.143	0.175	0.244	0.337	0.657	1.359	2.036	3.193	4.315	5.699	7.395	10.217	12.884
1.75	0.076	0.091	0.112	0.142	0.207	0.299	0.625	1.366	2.096	3.356	4.586	6.105	7.968	11.069	13.992
2.00	0.056	0.070	0.089	0.116	0.177	0.266	0.594	1.370	2.148	3.506	4.838	6.488	8.513	11.880	15.047
2.25	0.042	0.054	0.070	0.095	0.152	0.237	0.565	1.370	2.194	3.645	5.076	6.852	9.034	12.656	16.057
2.50	0.032	0.042	0.056	0.078	0.131	0.212	0.537	1.368	2.234	3.775	5.302	7.200	9.533	13.403	17.027
2.75	0.024	0.032	0.045	0.065	0.113	0.190	0.511	1.363	2.269	3.896	5.516	7.535	10.015	14.126	17.966
3.00	0.018	0.025	0.036	0.053	0.097	0.170	0.486	1.357	2.300	4.010	5.721	7.857	10.482	14.826	18.874
3.50	0.011	0.015	0.023	0.037	0.073	0.137	0.439	1.340	2.351	4.220	6.107	8.470	11.376	16.169	20.617
4.00	0.006	0.009	0.015	0.025	0.055	0.110	0.397	1.318	2.391	4.409	6.466	9.049	12.225	17.449	22.273
4.50	0.004	0.006	0.010	0.017	0.041	0.089	0.358	1.292	2.421	4.582	6.804	9.600	13.037	18.674	23.850
5.00	0.002	0.004	0.006	0.012	0.031	0.072	0.323	1.263	2.442	4.739	7.121	10.127	13.821	19.861	25.378
6.00	0.001	0.001	0.003	0.006	0.017	0.046	0.261	1.200	2.464	5.017	7.709	11.122	15.313	22.117	28.265
7.00	0.000	0.000	0.001	0.003	0.010	0.030	0.210	1.131	2.465	5.256	8.245	12.055	16.724	24.250	30.976
8.00	0.000	0.000	0.000	0.001	0.005	0.019	0.167	1.059	2.448	5.460	8.739	12.937	18.069	26.279	33.531
9.00	0.000	0.000	0.000	0.001	0.003	0.012	0.132	0.985	2.417	5.635	9.198	13.779	19.373	28.257	36.013
10.00	0.000	0.000	0.000	0.000	0.001	0.007	0.103	0.912	2.374	5.787	9.628	14.584	20.626	30.138	38.338