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NEUTRON TOTAL AND ABSORPTION CROSS SECTIONS OF ^{242}Pu

T. E. Young and S. D. Reeder

IDAHO NUCLEAR CORPORATION
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IDAHO FALLS, IDAHO

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by

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ABSTRACT

The total neutron cross section of ^{242}Pu has been measured from 0.008 to 8000 eV using PuO_2 powder samples in the Materials Testing Reactor (MTR) fast chopper. The data have been analyzed to give the thermal absorption cross section and resonance parameters below 180 eV. The observed total neutron cross section at 0.0253 eV is 39 ± 1 b., and the effective (equivalent $1/v$) thermal absorption cross section derived from the measurement is 22 ± 2 b. Parameters of individual resonances below 180 eV and average parameters at higher energies give a resonance absorption integral of 1090 ± 60 b., and a neutron s-wave strength function ($\bar{\Gamma}_n^0/D$) of $(0.85 \pm 0.10) 10^{-4} (\text{eV})^{-1/2}$.

SUMMARY

The MTR fast chopper has been used to measure the neutron total cross section of ^{242}Pu from 0.008 to 8000 eV. Samples were prepared by compacting PuO_2 and Al powders, and by dissolving PuO_2 in deuterated nitric acid. The measured total cross section at 0.0253 eV is 39 ± 1 barns. Single-level Breit-Wigner resonance parameters which describe the data up to 180 eV, when used with a value of 14 barns for the potential scattering cross section, are shown below

E_o (eV)	Γ_γ (meV)	Γ_n^o [meV/(eV) ^{1/2}]	E_o (eV)	Γ_γ (meV)	Γ_n^o [meV/(eV) ^{1/2}]
-5.0	26	0.97	53.45	31	6.66
-0.016	26	0.0001	67.6	26	0.645
2.68	26	1.17	107.3	26	1.93
22.6	26	0.067	131.2	26	0.61
40.9	26	0.066	149.6	26	1.31

Small-angle scattering by the oxide particles is apparently responsible for that portion of the neutron total cross section which is attributed to the state at -0.016 eV in this set of parameters. Analysis of the data after correction for small-angle scattering gives a thermal absorption cross section of 22 ± 2 barns. Parameters of individual resonances below 180 eV and average parameters at higher energies give a resonance absorption integral of 1090 ± 60 barns for neutrons of energies greater than 0.5 eV. The neutron s-wave strength function ($\bar{\Gamma}_n^o/D$) calculated using the resonances analyzed and the average resonance cross section between 1000 and 8000 eV is $(0.85 \pm 0.10) \cdot 10^{-4} \text{ (eV)}^{-1/2}$.

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Neutron Total and Absorption Cross Sections of ^{242}Pu

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I. INTRODUCTION

The absorption cross section of ^{242}Pu from thermal energies to 10 keV is of interest for calculations pertaining to the production of ^{244}Cm to be used in radioisotope heat sources^(1,2) or as an intermediate step for the production of heavier isotopes⁽³⁾. A good value of the neutron s-wave strength function ($\bar{\Gamma}_n^0/D$) is needed to establish the shape of the strength function versus mass number curve in the region of $A = 240$ ^(4,5). Data from various sources yield inconsistent values of the thermal absorption cross section for ^{242}Pu ^(6,7,8,9). There is also some question about the resonance structure of this isotope between 1 and 100 eV⁽⁹⁾.

The total neutron cross section of ^{242}Pu has been measured from 0.008 to 8000 eV at the Materials Testing Reactor (MTR) with the aim of resolving these inconsistencies and obtaining an independent value of $\bar{\Gamma}_n^0/D$. Analysis of the data by fitting the experimental data with the single level Breit-Wigner formula and by area analysis of the transmission dips has given a value for the thermal absorption cross section and resonance parameters up to 180 eV. These resonance parameters and the average resonance cross section ($\sigma_T - \sigma_p$) from 500 to 8000 eV have been used to determine $\bar{\Gamma}_n^0/D$.

EXPERIMENTAL DETAILS

Transmission measurements were made using the MTR fast chopper⁽¹⁰⁾ and radioactive sample changer⁽¹¹⁾. The following four independent time-of-flight measurements were made in order to calculate the total

neutron cross section: (1) "Sample", (2) "Open", obtained with conditions matched to those used for the sample except for absence of sample material, (3) "Filter", obtained using conditions identical to those for the open except for the insertion of 0.635 cm of $^{10}\text{B}_4\text{C}$ into the path of the neutron beam; and (4) "Room background", obtained with sufficient steel, paraffin, and B_4C in the neutron beam to eliminate all time dependent neutrons. The use of these measurements to correct for time dependent backgrounds has been described by Simpson, et al.⁽¹²⁾. Below 0.5 eV an approximate method, using only the first three rates was used. This method has been shown to give results indistinguishable from those of the complete method for all energies below 5 eV.

The original sample material was PuO_2 in which the plutonium component contained 99.88% ^{242}Pu , 0.06% ^{241}Pu , 0.04% ^{240}Pu , and 0.02% ^{239}Pu , as determined by mass analysis. The ^{240}Pu content was confirmed by examination of the large resonance at 1.06 eV in this isotope. The effects of known contaminants were removed from the data prior to analysis of the ^{242}Pu . Four sample thicknesses were used for determination of the total cross section. Samples containing 3.70, 1.85, and 0.263 atoms/kilobarn were prepared by compacting the PuO_2 with Al powder as described by Berreth⁽¹³⁾. A sample of 0.0103 atoms/kilobarn thickness was formed by dissolving PuO_2 in a nitric acid solution prepared with D_2O .

All transmission measurements were made using BF_3 neutron detectors located 20 meters from the chopping edge of the rotor. The energy regions examined, samples used, and ranges of instrument resolution are shown in Table I. Instrument resolution was calculated from rotor speed, analyzer time-channel width, counter thickness, counter and electronic jitter, and flight path.

EXPERIMENTAL RESULTS

Neutron transmission data have been analyzed to give single level Breit-Wigner resonance parameters for eight resonances below 180 eV. These resonances were described by neutron and gamma widths, assuming fission widths to be negligible or zero.

Data from 0.008 to 1.5 eV are shown in Figure 1. Below 0.5 eV the experimental points have been averaged together so the energy of each plotted point is about 1.05 times the energy of the preceding point (i.e., $\ln E_n = 1.05 \ln E_{n-1}$). A twenty-four point average was used between 0.5 and 1.5 eV. Using these averages permitted all measured values to be represented in the figure. A theoretical curve calculated assuming 14 barns potential scattering and the single level Breit-Wigner resonance parameters from Table II is shown as a solid line. Two resonances at negative energies (bound levels) were postulated to describe the total cross section below 1.5 eV.

Second and third degree polynomial least squares fits to the data from 0.008 to 0.07 eV on a $\sigma_T \sqrt{E}$ vs. E plot give 39 ± 1 barns for the total neutron cross section at 0.0253 eV. The thermal absorption cross section calculated from resonance parameters which describe the total cross section below 180 eV is 28 barns. After corrections are made for small-angle scattering effects the absorption cross section at 0.0253 eV becomes 22 ± 2 barns. (See "Discussion of Results" for details.)

The total neutron cross section from 1.5 to 8000 eV is shown in Figure 2. Instrument resolutions used to obtain the data are shown in Table I. A. The cross sections were measured using a sample thickness of 3.70 atoms/kilobarn except near the 2.68 and 53.45 eV resonances.

Figure 1 - Total neutron cross section of ^{242}Pu from 0.008 to 1.5 eV. The Breit-Wigner single level fit is shown as a solid line, and the corresponding cross section calculated without the resonance at -0.016 eV is shown as a dashed line. When corrected for small angle scattering the data follow the dashed line. A dotted line shows the absorption cross section derived from the corrected data.

Figure 2 - Total neutron cross section of ^{242}Pu from 1.5 to 8000 eV. The solid line shows the total Doppler and resolution broadened cross section calculated using resonance parameters from Table II.

TABLE I

A. Samples and Instrument Resolution

<u>Energy (eV)</u>	<u>Sample Thickness (atoms/kilobarn)</u>	<u>Resolution (μsec/meter)</u>
0.008 - 0.5	3.70	2.83 - 2.76
0.5 - 8.0	3.70, 0.263, 0.0103	0.332 - 0.297
8 - 8000	3.70, 1.85, 0.263	0.105 - 0.098

B. Sample Thicknesses and Resolutions
for Calculated Curve Shown in Fig. II

<u>Resonance Energy (eV)</u>	<u>Sample Thickness (atoms/kilobarn)</u>	<u>Resolution[*] (μsec/meter)</u>
2.68	0.0103	0.302
22.6	3.70	0.101
40.9	3.70	0.099
53.45	0.263	0.102
67.6	3.70	0.098
107.3	3.70	0.098
131.2	3.70	0.098
149.9	3.70	0.098

* Shape assumed to be Gaussian

Thicknesses used for these two resonances were 0.0103 and 0.263 atoms/kilobarn respectively. Below 22 eV the points shown in Figure 2 represent more than a single data point for cross section values below 250 barns.

The solid line from 1.5 through 180 eV shows the total neutron cross section calculated using the instrument resolutions and sample thicknesses shown in Table I.B. and the single level Breit-Wigner parameters from Table II. (Those parameters of the 2.68 and 53.4 eV resonances indicating the smallest errors in Γ_n^0 were used for the calculations.) A value of 14 barns was assumed for the potential scattering cross section.

Values of $\bar{\Gamma}_n^0/D$ have been calculated by two different methods. Using the Γ_n^0 's for isolated resonances below 180 eV gave a value of $0.76 \times 10^{-4}(\text{eV})^{-1/2}$. If this value is modified by using approximate expressions⁽⁵⁾ given by Seth to correct for the small number of observed resonances and to estimate the error involved, the value of $\bar{\Gamma}_n^0/D$ becomes $(0.99 \pm 0.44) \times 10^{-4}(\text{eV})^{-1/2}$. Above 500 eV, where resonances of the size which occur in this isotope are not resolved by the fast chopper, the average resonance cross section $(\sigma_T - \sigma_p)$ has been used to determine $\bar{\Gamma}_n^0/D^{(14)}$. Values of 0.81, 0.68, 0.96, and $1.04 \times 10^{-4}(\text{eV})^{-1/2}$ were obtained for the 500-1000, 1000-2000, 2000-4000, and 4000-8000 eV energy ranges respectively. Combining these values with that from the resonances below 180 eV gives $(0.85 \pm 0.10) \times 10^{-4}(\text{eV})^{-1/2}$ for $\bar{\Gamma}_n^0/D$ when a 44 per cent error is assigned to each determination.

The resolved resonances below 180 eV and average parameters above that energy were used to determine the resonance absorption integral.

TABLE II

Resonance Parameters of ^{242}Pu

E_o (eV)	Γ_γ (meV)	Γ_n^o (meV/(eV) ^{1/2})	Analysis Used
-5.0	26	0.97	a
-0.016	26	0.0001	a
2.68	26 ± 1	1.17 ± 0.05	b
2.68	31 ± 4	1.12 ± 0.09	c
22.6	26	0.067 ± 0.06	d
40.9	26	0.066 ± 0.06	d
53.45	26	7.34 ± 0.70	d
53.45	31 ± 5	6.66 ± 0.40	c
67.6	26	0.645 ± 0.06	d
107.3	26	1.93 ± 0.20	d
131.2	26	0.61 ± 0.06	d
149.6	26	1.31 ± 0.13	d

- a. Shape fit using single-level Breit-Wigner formula and assuming $\Gamma_\gamma = 26$ mV from shape fit of 2.68 eV resonance.
- b. Shape fit using single-level Breit-Wigner formula.
- c. Area analysis using multiple sample thicknesses.
- d. Area analysis using a single sample thickness and assuming $\Gamma_\gamma = 26$ mV from shape fit of 2.68 eV resonance.

Using $(\bar{\Gamma}_n^0/D) = 0.85 \times 10^{-4} (\text{eV})^{-1/2}$ and an estimated level spacing of 16.5 eV gave a value of $1.40 \text{ mV}/(\text{eV})^{1/2}$ for $\bar{\Gamma}_n^0$. With these values the resonance absorption integral for s-wave neutrons above 0.5 eV was determined to be 1090 ± 60 barns.

Too few resonances were analyzed to permit a reasonable determination of the level spacing (D), or of the distribution law obeyed by the Γ_n^0 's. The data in Table II are consistent with a level spacing of 16.5 eV.

DISCUSSION OF RESULTS

The total thermal neutron cross section of 39 ± 1 barns measured in this experiment is in excellent agreement with the value of 38.9 ± 1.6 barns determined by Auchampaugh et al.⁽⁹⁾. Resonance parameters from Table II indicate a 2200 m/sec neutron absorption cross section of 28 ± 2 barns. Some doubt occurs as to the validity of this 28 barn value when one considers other measurements of total cross sections made using oxide powder samples. There is evidence that part of the total cross section observed below 0.1 eV is due to small angle scattering of neutrons⁽¹⁵⁾ by the oxide particles. An earlier example of this is found in an article by McCallum⁽¹⁶⁾ on the total cross section of ^{234}U and ^{236}U , in which the data is corrected on the basis of disagreement between two measurements^(16,17) of the total cross section of ^{238}U . Measurements with the MTR fast chopper on ^{233}Pa ⁽¹⁸⁾, ^{175}Lu (unpublished), Ta_2O_5 (unpublished), and ThO_2 (unpublished), have also shown what appear to be non- $1/v$ components in the absorption cross section determined from total cross section measurements on oxide samples. The alternative to assuming some effect associated with particle size or

with the oxides themselves seems to be to postulate an energy level very near the neutron binding energy for each of the isotopes mentioned above.

Results obtained by Weiss⁽¹⁵⁾ indicate that the cross section for scattering of neutrons into small angles by small particles increases with decreasing neutron energy, and that the rate of increase is at least as great as E_n^{-1} . The data are described quite well by omitting the resonance at -0.016 eV and adding a $\Delta\sigma$ which is given by $0.178 E_n^{-1}$ for neutron energies less than 0.024 eV, and by $0.00419 E_n^{-2}$ for neutron energies greater than 0.024 eV. The physical properties of the PuO_2 powder indicate that the particle size is of the proper magnitude (on the order of 1 to 5 micron radius) to exhibit a small angle scattering effect which does not correspond exactly to either of the limiting cases discussed in detail by Weiss. The expressions for $\Delta\sigma$ given above seem to be a reasonable first approximation for small angle scattering in the present case.

An additional non- $1/v$ component due to atomic paramagnetic scattering probably occurs in compounds of some of the actinide elements. This effect has been studied⁽¹⁹⁾ by Zimmerman et al. for several of the lanthanide elements. Very little information is available concerning the neutron magnetic form factors which are required for calculations of the paramagnetic scattering by actinide ions. The magnetic moment of the Th^{4+} ion is expected to be zero, implying that there will be no paramagnetic scattering associated with ThO_2 . A preliminary measurement has shown that $^{232}\text{ThO}_2$ exhibits the same type of non- $1/v$ cross section which is observed for $^{242}\text{PuO}_2$ below 0.1 eV. It was therefore assumed that this

effect is small for PuO_2 also, and that the dominant part of the non- $1/v$ cross section is due to the small angle scattering discussed above.

The value of 22 barns for the absorption cross section agrees fairly well with the 18.6 barns reported by Butler et al.⁽⁶⁾ The present value of 1090 ± 60 barns for the resonance absorption integral also agrees moderately well with the 1275 barns reported in the same article. A pile neutron cross section estimated from the present results is 52 barns, the same value measured by Butler et al.⁽⁶⁾ The pile neutron cross section of 30 ± 10 barns reported^(7,8) from other experiments seems to be somewhat low.

Total neutron cross section measurements of ^{242}Pu for neutron energies up to 400 eV have been reported by Auchampaugh et al.⁽⁹⁾, who also summarize previous work on this isotope. Table II includes resonances at 22.6 and 40.9 eV which were not observed in the above experiment because of insufficient sample thickness in that energy region. Pattenden⁽²⁰⁾, however, has reported these two resonances as well as an additional resonance at 14.6 eV with $\Gamma_n = 0.061$ mV. No evidence for a resonance near 14.6 eV was observed in the present experiment, and an upper limit of 0.015 mV for the Γ_n of such a resonance is believed reasonable. Other resonances, at 89.1, 106, and 166 eV, which were observed by Pattenden⁽²⁰⁾ may have been unobserved at the MTR because of poor resolution and insufficient sample thickness.

The total cross section values shown in Figure 2 for energies between 180 and 420 eV are in qualitative agreement with parameters reported by Auchampaugh⁽⁹⁾ and by Pattenden⁽²⁰⁾. The s-wave neutron

strength function of $(0.85 \pm 0.10) \times 10^{-4}(\text{eV})^{-1/2}$ derived from data between 1.5 and 8000 eV agrees quite well with the value of $0.95 \times 10^{-4}(\text{eV})^{-1/2}$ obtained⁽⁹⁾ using parameters of resonances below 400 eV.

It should be noted that the thermal neutron total and absorption cross sections obtained here are based on the assumed value of 14 barns for the potential scattering cross section. An alternate interpretation of the data may be obtained by assuming enough H_2O adsorbed on the PuO_2 particles to contribute several barns to the observed total cross section at 1 eV and above. (This assumption would be consistent with the results of a recent investigation⁽²¹⁾ of H_2O adsorption on finely divided PuO_2 .) For example, if water contributes 3 barns to the measured total cross section at 1 eV the value of σ_p becomes 11 barns and the thermal values of the neutron total and absorption cross sections of ^{242}Pu are reduced to 28.2 and 19.6 barns respectively. Other quantities reported above remain unchanged except for some modification of the expression given for the small-angle scattering correction.

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APPENDIX A

TABULATION OF DATA

Section	Page	IBM No.	Energy (eV)	Sample 1/n (b/a)	Channel Width (μsec)	Rotor Speed (RPM)	Average Date of Runs
A-1	17	2086 2088 2090	0.008 to 3.6	270	16	222	8/22/65
A-2	19	2092 2093	0.51 to 14.2	270	2	2016	8/26/65
A-3	30	2094 2095	0.51 to 14.4	3,800	2	2030	8/29/65
A-4	41	2253	2.3 to 3.1	96,900	2	2024	4/11/66
A-5	42	2100 2101 2118	8.1 to 7726	270	0.5	6198	9/29/65
A-6	55	2119 2120 2121	18.1 to 190	540	0.5	6434	10/21/65
A-7	61	2096 2097 2098	17.6 to 171	3,800	0.5	6003	9/6/65
A 8	67	Composite Date (Used for Figures)					

A-1. 0.008 - 3.6 eV, I/n = 270 barns/atom

DELAY	TRANS.	ENERGY	X*SEC	X*SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
761.000	0.8501	3.60652	43.86	83.29	26784 22126	0.0225	172	169	3
780.250	0.7987	3.43076	60.70	112.43	33795 26230	0.0231	233	229	4
801.000	0.6906	3.25532	99.95	180.33	38956 26145	0.0237	228	224	4
821.750	0.5080	3.09299	182.86	321.59	33291 16435	0.0243	206	202	4
841.000	0.3044	2.95302	321.16	551.90	26343 7792	0.0249	150	147	3
860.250	0.1436	2.82234	524.03	880.36	33734 4707	0.0255	167	163	4
883.200	0.1228	2.67757	566.24	926.36	45792 5464	0.0261	222	217	5
905.000	0.2731	2.55012	350.41	559.57	26506 7035	0.0268	130	128	3
926.800	0.5042	2.43157	184.87	288.28	46067 22573	0.0274	221	216	5
949.750	0.6735	2.31547	106.74	162.42	33098 21661	0.0281	150	147	4
974.800	0.7858	2.19800	65.10	96.52	45973 35104	0.0289	207	203	5
997.750	0.8459	2.09804	45.19	65.46	32830 26986	0.0295	116	114	4
1022.800	0.8762	1.99653	35.67	50.40	45340 38606	0.0303	164	161	5
1045.750	0.8779	1.90986	35.15	48.58	32938 28099	0.0310	154	151	4
1073.000	0.9045	1.84409	27.09	36.49	52473 46119	0.0318	239	234	6
1102.800	0.9095	1.71737	25.61	33.57	45254 39992	0.0326	238	233	5
1125.750	0.9281	1.64806	20.15	25.87	32442 29255	0.0333	165	162	4
1153.000	0.9188	1.57108	22.86	28.66	52081 46491	0.0341	310	304	6
1185.000	0.9240	1.48738	21.35	26.03	51793 46488	0.0351	271	265	6
1217.000	0.9383	1.41019	17.20	20.42	51514 46943	0.0360	268	262	6
1246.800	0.9208	1.34358	22.27	25.81	45097 40315	0.0369	282	276	5
1275.667	0.9358	1.28346	17.92	20.30	51642 46866	0.0378	280	274	6
1307.667	0.9379	1.22142	17.31	19.13	51139 46451	0.0387	280	274	6
1339.667	0.9209	1.16376	22.25	24.00	51607 45760	0.0397	283	277	6
1371.667	0.9183	1.11010	23.02	24.25	51516 44016	0.0406	248	243	6
1406.000	0.9583	1.05654	11.51	11.83	57829 48330	0.0416	324	318	7
1441.000	0.9626	1.00584	10.28	10.31	50832 45323	0.0427	288	282	6
1473.000	0.9451	0.96262	15.23	14.94	50883 46181	0.0436	234	230	6
1510.625	0.9344	0.91526	18.33	17.53	70176 63433	0.0447	335	328	8
1550.000	0.9456	0.86935	15.11	14.09	57138 52377	0.0459	223	218	7
1588.000	0.9408	0.82824	16.47	14.99	57559 52536	0.0470	220	215	7
1627.375	0.9361	0.78865	17.83	15.83	68867 62571	0.0482	262	257	8
1668.000	0.9305	0.75070	19.46	16.86	57775 52189	0.0494	158	155	7
1707.375	0.9451	0.71647	15.26	12.91	68129 62518	0.0505	208	204	8
1750.625	0.9380	0.68151	17.28	14.27	68961 62816	0.0518	198	194	8
1793.000	0.9273	0.64968	20.37	16.42	63536 57216	0.0531	141	138	8
1835.375	0.9357	0.62002	17.95	14.13	68366 62116	0.0543	155	152	8
1881.000	0.9425	0.59031	16.00	12.29	74851 68481	0.0557	142	140	9
1929.000	0.9383	0.56130	17.20	12.88	75430 68714	0.0571	150	147	9
1977.000	0.9321	0.53437	18.98	13.88	75294 68149	0.0585	124	122	9
2025.000	0.9366	0.50934	17.69	12.63	75414 68588	0.0599	115	113	9
2073.000	0.9386	0.48603	17.10	11.92	75571 68881	0.0614	129	126	9
2123.900	0.9340	0.46301	18.45	12.55	82865 75145	0.0629	137	134	10
2179.455	0.9374	0.43971	17.45	11.57	94283 85805	0.0645	137	135	11
2233.000	0.9281	0.41887	20.13	13.03	76149 68603	0.0661	125	122	9
2286.545	0.9386	0.39948	17.11	10.81	95193 86702	0.0677	175	172	11
2342.100	0.9369	0.38076	17.61	10.86	82206 74701	0.0693	160	157	10
2401.000	0.9337	0.36230	18.51	11.14	102373 92656	0.0711	193	189	12
2462.545	0.9353	0.34442	18.05	10.59	96265 87192	0.0729	183	179	11
2523.667	0.9300	0.32794	19.60	11.22	103997 93541	0.0747	210	206	12
2585.000	0.9316	0.31256	19.12	10.69	92989 83665	0.0765	175	172	11
2649.000	0.9306	0.29764	19.42	10.60	120561 108248	0.0784	205	201	13
2715.667	0.9322	0.28321	18.96	10.09	111898 100603	0.0804	162	158	12
2782.154	0.9275	0.26983	20.32	10.55	123927 110859	0.0824	182	178	13
2849.000	0.9368	0.25732	17.64	8.95	122537 110730	0.0843	135	132	12
2918.500	0.9292	0.24521	19.82	9.81	155573 139514	0.0864	180	176	14
2990.154	0.9271	0.23360	20.43	9.88	151592 135719	0.0885	139	137	13
3065.000	0.9288	0.22233	19.96	9.41	195119 175117	0.0907	168	164	15
3145.000	0.9227	0.21116	21.73	9.99	217801 194320	0.0931	171	168	15
3222.500	0.9279	0.20113	20.32	9.11	230927 207214	0.0954	127	125	14
3299.667	0.9271	0.19183	20.45	8.96	272043 244087	0.0977	157	154	15
3382.188	0.9203	0.18258	22.43	9.59	323272 288024	0.1001	137	134	16
3465.000	0.9260	0.17396	20.76	8.66	344594 309015	0.1026	123	120	15
3547.813	0.9224	0.16593	21.82	8.89	408927 365352	0.1050	131	129	16
3635.529	0.9213	0.15802	22.13	8.80	498649 445075	0.1076	148	145	17
3729.000	0.9192	0.15020	22.75	8.82	585566 521539	0.1104	170	167	18
3822.471	0.9175	0.14295	23.26	8.79	619161 550486	0.1131	150	147	17
3915.667	0.9203	0.13622	22.44	8.28	711283 634373	0.1159	147	144	18
4011.667	0.9171	0.12978	23.38	8.42	780322 693570	0.1187	190	186	18
4110.211	0.9168	0.12363	23.46	8.25	881213 785057	0.1217	200	196	19

DELAY	TRANS.	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
4209,000	0,9201	0,11790	22,47	7,72	869763 775777	0,1246	224	219	18
4313,000	0,9217	0,11228	22,03	7,38	1078868 963878	0,1277	253	248	21
4422,450	0,9192	0,10679	22,75	7,43	1100123 980250	0,1309	290	285	20
4531,667	0,9169	0,10170	23,43	7,47	1202513 1068782	0,1341	291	285	21
4643,667	0,9153	0,09686	23,89	7,44	1249876 1108923	0,1375	290	285	21
4758,227	0,9180	0,09225	23,11	7,02	1345053 1196706	0,1408	306	300	22
4873,000	0,9160	0,08796	23,68	7,02	1328912 1179729	0,1442	273	267	21
4993,000	0,9174	0,08378	23,27	6,74	1552992 1380552	0,1478	311	305	24
5121,000	0,9122	0,07964	24,82	7,00	1574676 1391649	0,1516	293	287	24
5249,000	0,9109	0,07581	25,20	6,94	1571561 1386749	0,1554	261	256	24
5377,000	0,9133	0,07224	24,48	6,58	1581652 1399233	0,1592	275	269	24
5505,000	0,9110	0,06892	25,17	6,61	1575636 1390129	0,1629	247	242	24
5641,000	0,9077	0,06564	26,15	6,70	1742128 1531248	0,1670	293	287	27
5785,000	0,9069	0,06241	26,40	6,59	1741994 1529485	0,1712	285	279	27
5929,000	0,9070	0,05941	26,37	6,43	1682326 1477049	0,1755	218	214	27
6073,000	0,9078	0,05663	26,12	6,22	1609891 1414505	0,1798	242	237	27
6219,750	0,9024	0,05399	27,74	6,44	1617828 1412792	0,1841	215	210	28
6371,586	0,9012	0,05145	28,09	6,37	1613600 1407029	0,1886	227	222	29
6529,000	0,9004	0,04900	28,33	6,27	1584711 1380366	0,1933	217	213	30
6691,742	0,8970	0,04664	29,35	6,34	1512702 1312436	0,1981	229	224	31
6859,594	0,8951	0,04439	29,92	6,30	1517809 1313853	0,2030	222	217	32
7030,406	0,8894	0,04226	31,65	6,51	1472839 1266565	0,2081	243	238	32
7203,667	0,8894	0,04025	31,64	6,35	1390513 1195611	0,2132	207	203	33
7382,265	0,8910	0,03832	31,16	6,10	1319433 1136301	0,2185	237	233	34
7561,000	0,8890	0,03653	31,76	6,07	1180802 1014467	0,2238	253	248	33
7745,000	0,8864	0,03482	32,55	6,07	1200220 1027926	0,2293	218	214	34
7937,000	0,8853	0,03315	32,88	5,99	1143720 978159	0,2349	229	224	36
8134,395	0,8776	0,03157	35,26	6,26	1100592 932817	0,2408	235	231	38
8337,000	0,8713	0,03005	37,19	6,45	1003100 843990	0,2468	239	234	38
8542,333	0,8712	0,02862	37,23	6,30	951413 800220	0,2529	215	210	39
8755,610	0,8745	0,02724	38,21	5,98	870702 734950	0,2592	195	191	41
8971,725	0,8687	0,02595	38,00	6,12	731667 613383	0,2656	236	231	40
9190,333	0,8611	0,02473	40,37	6,35	727922 604774	0,2720	230	225	42
9419,614	0,8551	0,02354	42,28	6,49	709553 585233	0,2788	233	228	44
9651,721	0,8571	0,02242	41,64	6,24	600799 496596	0,2857	242	237	43
9889,000	0,8513	0,02136	43,47	6,35	565741 464353	0,2927	214	210	46
10134,283	0,8447	0,02034	45,56	6,50	480473 391257	0,3000	247	242	46
10385,000	0,8370	0,01937	48,05	6,69	464230 374442	0,3074	232	227	48
10641,000	0,8380	0,01845	47,73	6,48	404492 326530	0,3150	243	238	48
10902,300	0,8331	0,01757	49,29	6,53	369099 296130	0,3227	232	228	50
11174,288	0,8385	0,01673	47,57	6,15	334307 269839	0,3308	230	226	52
11449,000	0,8348	0,01593	48,75	6,15	276840 222398	0,3389	221	216	51
11729,000	0,8309	0,01518	50,00	6,16	257827 206087	0,3472	236	232	54
12019,709	0,8306	0,01446	50,10	6,02	243791 194719	0,3558	248	243	55
12315,625	0,8236	0,01377	52,41	6,15	225740 178694	0,3645	256	251	56
12619,707	0,8178	0,01311	54,30	6,22	212745 167174	0,3735	261	256	58
12931,627	0,8110	0,01249	56,56	6,32	192225 149715	0,3828	245	240	59
13249,000	0,8084	0,01190	57,44	6,27	162028 125738	0,3922	237	232	60
13577,000	0,7997	0,01133	60,35	6,42	140839 108077	0,4019	261	255	63
13913,000	0,8011	0,01079	59,89	6,22	113531 87234	0,4118	240	235	63
14257,000	0,7912	0,01020	63,25	6,41	94074 71360	0,4220	261	255	66
14609,000	0,7781	0,00979	67,76	6,70	94686 70594	0,4324	281	276	66
14969,000	0,7796	0,00932	67,24	6,49	82564 61629	0,4431	299	293	69
15339,700	0,7659	0,00888	72,01	6,78	67807 49690	0,4541	295	289	70
15718,333	0,7651	0,00845	72,28	6,65	56158 41079	0,4653	301	295	72
16075,629	0,7511	0,00808	77,27	6,95	39990 28696	0,4758	216	212	62

A-2. 0.51-14.2 eV, 1/n = 270 barns/atom

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN	COUNTS SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,
383,900	0,9284	14,18588	20,05	75,50	25614	23113	0,1036	125	123	2
385,900	0,9460	14,03922	14,98	56,13	25383	23338	0,1041	152	149	2
387,900	0,9608	13,89482	10,79	40,22	25115	23453	0,1046	165	161	2
389,900	0,9528	13,75264	13,07	48,45	25187	23324	0,1052	155	152	2
391,900	0,9553	13,61263	12,36	45,60	25375	23559	0,1057	120	118	2
393,900	0,9581	13,47479	11,55	42,40	25248	23511	0,1062	93	92	2
395,900	0,9333	13,33895	18,63	68,05	25428	23066	0,1068	145	142	2
397,900	0,9484	13,20519	14,29	51,93	25147	23181	0,1073	140	137	2
399,900	0,9490	13,07344	14,14	51,13	25237	23277	0,1079	129	127	2
401,900	0,9403	12,94364	16,62	59,80	25501	23305	0,1084	143	140	2
403,900	0,9595	12,81577	11,15	39,93	25288	23583	0,1089	135	132	2
405,900	0,9602	12,68979	10,96	39,06	25245	23560	0,1095	126	123	2
407,900	0,9601	12,56566	11,00	38,98	25216	23529	0,1100	140	137	2
409,900	0,9561	12,44333	12,12	42,77	25318	23526	0,1106	151	148	2
411,900	0,9511	12,32279	13,53	47,49	25346	23430	0,1111	154	151	2
413,900	0,9526	12,20399	13,11	45,80	25343	23464	0,1116	171	167	2
415,900	0,9476	12,08689	14,53	50,93	25301	23302	0,1122	161	157	2
417,900	0,9544	11,97148	12,61	43,65	25247	23418	0,1127	124	122	2
419,900	0,9472	11,85771	14,63	50,39	25233	23230	0,1133	151	148	2
421,900	0,9589	11,74555	11,32	38,81	25162	23451	0,1138	165	161	2
423,900	0,9470	11,63498	14,71	50,18	25280	23267	0,1143	151	148	2
425,900	0,9537	11,52596	12,81	43,49	25161	23321	0,1149	144	141	2
427,900	0,9551	11,41847	12,39	41,87	25255	23445	0,1154	136	134	2
429,900	0,9301	11,31248	19,57	65,81	25121	22709	0,1160	161	158	2
431,900	0,9622	11,20795	10,39	34,80	25146	23516	0,1165	177	174	2
433,900	0,9652	11,10486	9,58	31,91	25116	23560	0,1170	159	155	2
435,900	0,9523	11,00320	13,20	43,79	24975	23115	0,1176	169	166	2
437,900	0,9585	10,90292	11,45	37,81	25081	23364	0,1181	141	138	2
439,900	0,9493	10,80400	14,06	46,21	25249	23295	0,1187	183	179	2
441,900	0,9429	10,70643	15,87	51,94	25441	23315	0,1192	196	192	2
443,900	0,9332	10,61017	18,67	60,82	25524	23150	0,1197	162	158	2
445,900	0,9475	10,51520	14,56	47,21	25236	23239	0,1203	194	190	2
447,900	0,9549	10,42150	12,46	40,23	25088	23283	0,1208	203	199	2
449,900	0,9511	10,32905	13,84	43,91	25171	23268	0,1214	172	169	2
451,900	0,9475	10,23783	14,57	46,61	25133	23163	0,1219	160	157	2
453,900	0,9404	10,14781	16,60	52,88	25220	23050	0,1224	209	205	2
455,900	0,9333	10,05897	18,62	59,07	25277	22930	0,1230	178	175	2
457,900	0,9491	9,97129	14,09	44,51	25010	23071	0,1235	199	195	2
459,900	0,9474	9,88475	14,60	45,90	25224	23225	0,1241	177	173	2
461,900	0,9544	9,79934	12,59	39,41	24801	23006	0,1246	192	188	2
463,900	0,9348	9,71502	18,22	56,78	25231	22922	0,1251	206	202	2
465,900	0,9691	9,63179	8,48	26,32	24853	23408	0,1257	190	186	2
467,900	0,9532	9,54963	12,94	40,00	25190	23336	0,1262	194	190	2
469,900	0,9241	9,46851	21,31	65,56	25562	22959	0,1267	221	217	2
471,900	0,9295	9,38842	19,74	60,49	25442	22984	0,1273	254	249	2
473,900	0,9331	9,30935	18,70	57,04	25102	22765	0,1278	252	247	2
475,900	0,9339	9,23126	18,47	56,13	25338	22997	0,1284	241	236	2
477,900	0,9356	9,15416	17,98	54,40	25179	22895	0,1289	249	244	2
479,900	0,9497	9,07802	13,93	41,98	25084	23153	0,1294	257	252	2
481,900	0,9446	9,00282	15,39	46,18	25076	23021	0,1300	269	264	2
483,900	0,9577	8,92856	11,68	34,91	24905	23181	0,1305	303	297	2
485,900	0,9437	8,85521	15,65	46,56	24978	22909	0,1311	293	287	2
487,900	0,9370	8,78276	17,58	52,09	25326	23063	0,1316	294	288	2
489,900	0,9454	8,71119	15,16	44,73	25094	23057	0,1321	311	305	2
491,900	0,9434	8,64050	15,74	46,26	25002	22923	0,1327	318	311	2
493,900	0,9431	8,57066	15,82	46,31	24999	22914	0,1332	303	297	2
495,900	0,9524	8,50167	13,17	38,41	25201	23327	0,1338	296	290	2
497,900	0,9478	8,43351	14,46	42,00	25336	23340	0,1343	284	278	2
499,900	0,9434	8,36616	15,73	45,49	25035	22955	0,1348	335	329	2
501,900	0,9410	8,29962	16,43	47,32	25055	22913	0,1354	340	333	2
503,900	0,9462	8,23387	14,93	42,84	25079	23063	0,1359	351	344	2
505,900	0,9459	8,16889	15,00	42,89	25018	23001	0,1365	321	315	2
507,900	0,9448	8,10468	15,32	43,62	24819	22791	0,1370	326	320	2
509,900	0,9600	8,04123	11,02	31,25	24757	23099	0,1375	308	302	2
511,900	0,9439	7,97852	15,58	44,00	25033	22965	0,1381	313	307	2
513,900	0,9380	7,91654	17,29	48,64	25059	22844	0,1386	349	342	2
515,900	0,9347	7,85528	18,25	51,14	25058	22762	0,1392	324	318	2
517,900	0,9425	7,79472	15,99	44,64	24877	22788	0,1397	324	317	2
519,900	0,9488	7,73487	14,19	39,46	24542	22631	0,1402	377	370	2
521,900	0,9443	7,67570	15,48	42,89	24985	22929	0,1408	347	340	2

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS		FRAC, OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
					OPEN	SAMPLE				
523,900	0.9307	7,61721	19.39	53.52	24931	22551	0.1413	323	317	2
525,900	0.9467	7,55938	14.79	40.68	24704	22729	0.1419	364	356	2
527,900	0.9331	7,50221	18.70	51.23	25028	22697	0.1424	337	330	2
529,900	0.9442	7,44569	15.50	42.30	25054	22991	0.1429	332	326	2
531,900	0.9337	7,38980	18.53	50.38	25010	22695	0.1435	313	307	2
533,900	0.9366	7,33454	17.69	47.92	25108	22854	0.1440	312	306	2
535,900	0.9405	7,27989	16.56	44.68	24971	22825	0.1446	318	312	2
537,900	0.9337	7,22586	18.52	49.78	24867	22566	0.1451	282	276	2
539,900	0.9402	7,17242	16.64	44.56	25079	22917	0.1456	312	305	2
541,900	0.9296	7,11958	19.71	52.60	25091	22668	0.1462	297	291	2
543,900	0.9374	7,06731	17.45	46.39	25102	22870	0.1467	272	267	2
545,900	0.9303	7,01563	19.52	51.69	25060	22657	0.1472	288	283	2
547,900	0.9428	6,96450	15.91	41.99	24849	22768	0.1478	292	286	2
549,900	0.9382	6,91393	17.22	45.27	24973	22772	0.1483	267	261	2
551,900	0.9498	6,86391	13.90	36.42	24754	22851	0.1489	298	292	2
553,900	0.9538	6,81443	12.77	33.35	24812	23000	0.1494	279	273	2
555,900	0.9326	6,76549	18.83	48.97	25110	22760	0.1499	256	251	2
557,900	0.9357	6,71707	17.93	46.47	24976	22714	0.1505	293	287	2
559,900	0.9293	6,66917	19.81	51.15	25045	22619	0.1510	271	265	2
561,900	0.9414	6,62178	16.30	41.94	24869	22754	0.1516	272	267	2
563,900	0.9343	6,57489	18.35	47.04	24751	22474	0.1521	261	256	2
565,900	0.9404	6,52850	16.60	42.41	24779	22647	0.1526	254	249	2
567,900	0.9495	6,48259	13.99	35.61	24552	22657	0.1532	280	275	2
569,900	0.9462	6,43717	14.93	37.88	24831	22834	0.1537	247	242	2
571,900	0.9660	6,39223	9.35	23.63	24564	23061	0.1543	279	273	2
573,900	0.9368	6,34775	17.64	44.45	24805	22583	0.1548	278	273	2
575,900	0.9383	6,30374	17.21	43.20	24707	22530	0.1553	239	234	2
577,900	0.9454	6,26019	15.16	37.84	24720	22713	0.1559	260	255	2
579,900	0.9484	6,21708	14.31	35.67	24613	22686	0.1564	253	248	2
581,900	0.9224	6,17442	21.80	54.17	24972	22387	0.1570	257	252	2
583,900	0.9459	6,13219	15.02	37.20	24843	22838	0.1575	226	221	2
585,900	0.9394	6,09040	16.89	41.67	24830	22668	0.1580	288	282	2
587,900	0.9408	6,04903	16.49	40.55	24631	22521	0.1586	238	234	2
589,900	0.9398	6,00808	16.78	41.12	24710	22568	0.1591	263	258	2
591,900	0.9318	5,96755	19.07	46.58	24890	22540	0.1597	238	233	2
593,900	0.9362	5,92742	17.79	43.32	24722	22495	0.1602	259	253	2
595,900	0.9455	5,88770	15.13	36.71	24551	22560	0.1607	247	242	2
597,900	0.9411	5,84838	16.40	39.66	24708	22598	0.1613	228	224	2
599,900	0.9620	5,80945	10.47	25.23	24346	22762	0.1618	256	251	2
601,900	0.9300	5,77098	19.59	47.06	24736	22358	0.1624	222	217	2
603,900	0.9315	5,73274	19.15	45.85	24522	22201	0.1629	228	224	2
605,900	0.9429	5,69496	15.98	38.13	24599	22533	0.1634	209	204	2
607,900	0.9304	5,65755	19.49	46.35	24603	22246	0.1640	229	225	2
609,900	0.9350	5,62050	18.13	42.09	24535	22296	0.1645	216	211	2
611,900	0.9428	5,58382	15.91	37.99	24608	22547	0.1650	281	275	2
613,900	0.9130	5,54750	24.58	57.89	25062	22237	0.1656	229	224	2
615,900	0.9443	5,51153	15.48	36.34	24611	22586	0.1661	246	241	2
617,900	0.9239	5,47591	21.48	50.26	24662	22136	0.1667	221	217	2
619,900	0.9329	5,44063	18.75	43.74	24573	22279	0.1672	227	222	2
621,900	0.9404	5,40569	16.59	38.97	24460	22356	0.1677	207	203	2
623,900	0.9329	5,37109	18.86	43.71	24621	22314	0.1683	241	236	2
625,900	0.9489	5,33682	14.27	32.98	24445	22534	0.1688	220	216	2
627,900	0.9320	5,30288	19.02	43.81	24430	22127	0.1694	225	221	2
629,900	0.9285	5,26926	20.02	45.96	24774	22356	0.1699	211	207	2
631,900	0.9377	5,23595	17.35	39.71	24389	22227	0.1704	177	174	2
633,900	0.9460	5,20297	15.00	34.21	24304	22344	0.1710	194	190	2
635,900	0.9317	5,17029	19.11	43.45	24499	22146	0.1715	198	194	2
637,900	0.9304	5,13792	19.48	44.16	24621	22262	0.1721	198	194	2
639,900	0.9426	5,10585	15.95	36.03	24210	22180	0.1726	201	197	2
641,900	0.9267	5,07409	20.55	46.28	24703	22248	0.1731	174	171	2
643,900	0.9319	5,04261	19.06	42.79	24451	22144	0.1737	192	188	2
645,900	0.9129	5,01143	24.72	55.33	24672	21880	0.1742	179	176	2
647,900	0.9323	4,98054	18.93	42.25	24425	22130	0.1748	195	191	2
649,900	0.9431	4,94993	15.81	35.18	24388	22353	0.1753	184	181	2
651,900	0.9357	4,91961	17.94	39.78	24166	21976	0.1758	205	200	2
653,900	0.9389	4,88956	17.03	37.65	24406	22270	0.1764	160	157	2
655,900	0.9246	4,85979	21.16	46.65	24464	21983	0.1769	199	195	2
657,900	0.9077	4,83029	26.15	57.47	24905	21970	0.1775	179	176	2
659,900	0.9262	4,80105	20.70	45.36	24546	22095	0.1780	180	176	2
661,900	0.9299	4,77208	19.63	42.67	24379	22031	0.1785	146	143	2
663,900	0.9249	4,74337	21.09	45.94	24655	22160	0.1791	161	158	2
665,900	0.9406	4,71492	16.55	35.93	23948	21891	0.1796	158	155	2
667,900	0.9193	4,68673	22.73	49.21	24651	22023	0.1802	197	193	2
669,900	0.9300	4,65878	19.60	42.31	24442	22090	0.1807	162	159	2
671,900	0.9206	4,63109	22.35	48.09	24376	21808	0.1812	165	162	2
673,900	0.9217	4,60364	22.01	47.22	24491	21938	0.1818	180	176	2
675,900	0.9299	4,57644	19.63	42.00	24212	21880	0.1823	180	177	2
677,900	0.9240	4,54948	21.35	45.55	24396	21906	0.1829	159	156	2
679,900	0.9167	4,52275	23.48	49.93	24590	21872	0.1834	163	160	2
681,900	0.9136	4,49626	24.39	51.73	24569	21815	0.1839	172	169	2

DELAY	TRANS.	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
683,900	0,9240	4,47000	21,34	45,11	24192 21725	0,1845	139	136	2
685,900	0,9211	4,44397	22,19	46,77	24575 21999	0,1850	159	156	2
687,900	0,9229	4,41817	21,66	45,53	24195 21701	0,1855	168	165	2
689,900	0,9161	4,39259	23,66	49,58	24559 21866	0,1861	153	150	2
691,900	0,9128	4,36723	24,63	51,48	24412 21656	0,1866	150	147	2
693,900	0,9020	4,34209	27,86	58,05	24515 21489	0,1872	149	146	2
695,900	0,9171	4,31717	23,37	48,96	24248 21612	0,1877	154	151	2
697,900	0,9144	4,29246	24,15	50,04	24299 21595	0,1882	159	156	2
699,900	0,9130	4,26796	24,58	50,77	24050 21340	0,1888	126	124	2
701,900	0,9098	4,24367	25,51	52,55	24114 21323	0,1893	162	158	2
703,900	0,9225	4,21959	21,79	44,75	23869 21399	0,1899	149	146	2
705,900	0,9157	4,19572	23,77	48,69	23899 21269	0,1904	144	141	2
707,900	0,9034	4,17204	27,43	56,03	23903 20986	0,1909	134	131	2
709,900	0,9243	4,14857	21,26	43,30	23694 21284	0,1915	112	110	2
711,900	0,8963	4,12529	29,57	60,06	23816 20744	0,1920	141	139	2
713,900	0,9031	4,10221	27,53	55,75	24056 21113	0,1926	140	137	2
715,900	0,8973	4,07932	29,25	59,08	24010 20938	0,1931	151	148	2
717,900	0,9145	4,05662	24,14	48,62	23822 21172	0,1936	141	138	2
719,900	0,9228	4,03411	21,68	43,54	23635 21197	0,1942	142	139	2
721,900	0,9163	4,01179	23,55	47,18	23984 21361	0,1947	139	136	2
723,900	0,9253	3,98966	20,96	41,86	24037 21616	0,1953	135	133	2
725,900	0,8997	3,96770	28,54	56,85	23899 20896	0,1958	128	126	2
727,900	0,9098	3,94593	25,53	50,72	24075 21286	0,1963	133	130	2
729,900	0,9175	3,92433	23,25	46,07	23799 21220	0,1969	123	121	2
731,900	0,9023	3,90291	27,75	54,82	24241 21258	0,1974	128	125	2
733,900	0,9080	3,88167	26,05	51,33	24022 21198	0,1980	130	128	2
735,900	0,8973	3,86060	29,27	57,51	24110 21024	0,1985	146	143	2
737,900	0,9109	3,83970	25,20	49,38	24026 21268	0,1990	116	113	2
739,900	0,9027	3,81897	27,63	53,99	24023 21075	0,1996	105	103	2
741,900	0,9038	3,79841	27,32	53,25	23779 20885	0,2001	142	139	2
743,900	0,8949	3,77801	29,98	58,28	23881 20769	0,2007	125	123	2
745,900	0,8694	3,75778	37,78	73,24	24473 20678	0,2012	142	139	2
747,900	0,8817	3,73771	33,99	65,72	24202 20738	0,2017	137	134	2
749,900	0,8923	3,71780	30,76	59,30	24255 21034	0,2023	133	131	2
751,900	0,9186	3,69805	22,92	44,07	23575 21047	0,2028	136	133	2
753,900	0,9008	3,67845	28,20	54,08	23847 20877	0,2034	124	121	2
755,900	0,8877	3,65901	32,15	61,50	23958 20670	0,2039	134	131	2
757,900	0,8793	3,63973	34,67	66,14	23981 20498	0,2044	122	120	2
759,900	0,8749	3,62059	36,21	68,90	23895 20308	0,2050	105	103	2
761,900	0,8794	3,60161	34,71	65,87	23804 20343	0,2055	128	125	2
763,900	0,8696	3,58278	37,73	71,42	24272 20512	0,2060	132	130	2
765,900	0,8689	3,56409	37,94	71,63	24064 20320	0,2066	104	102	2
767,900	0,8660	3,54555	38,84	73,13	23691 19939	0,2071	170	167	2
769,900	0,8675	3,52715	38,37	72,06	23981 20218	0,2077	118	115	2
771,900	0,8498	3,50890	43,94	82,32	24197 19983	0,2082	142	140	2
773,900	0,8667	3,49078	38,64	72,19	23605 19881	0,2087	111	108	2
775,900	0,8462	3,47281	45,09	84,03	24214 19913	0,2093	123	120	2
777,900	0,8578	3,45498	41,42	76,99	23968 19980	0,2098	129	127	2
779,900	0,8529	3,43728	42,97	79,67	23756 19690	0,2104	121	118	2
781,900	0,8523	3,41972	43,16	79,82	23854 19758	0,2109	94	92	2
783,900	0,8428	3,40229	46,17	85,16	24074 19718	0,2114	120	118	2
785,900	0,8249	3,38499	51,97	95,62	23779 19063	0,2120	119	116	2
787,900	0,8476	3,36783	44,65	81,94	23686 19510	0,2125	117	115	2
789,900	0,8353	3,35080	48,58	88,93	23617 19172	0,2131	120	118	2
791,900	0,8291	3,33389	50,60	92,39	23892 19251	0,2136	120	117	2
793,900	0,8090	3,31713	57,24	104,26	23979 18851	0,2141	111	109	2
795,900	0,8164	3,30047	54,78	99,53	23876 18942	0,2147	128	126	2
797,900	0,7994	3,28394	60,45	109,55	23887 18557	0,2152	127	125	2
799,900	0,7975	3,26754	61,10	110,45	23804 18448	0,2158	126	124	2
801,900	0,7908	3,25126	63,38	114,27	23594 18132	0,2163	147	144	2
803,900	0,7791	3,23511	67,39	121,21	23844 18054	0,2168	138	135	2
805,900	0,7766	3,21907	68,26	122,47	23748 17923	0,2174	131	128	2
807,900	0,7584	3,20315	74,66	133,63	24025 17708	0,2179	111	109	2
809,900	0,7588	3,18735	74,53	133,06	23741 17506	0,2185	110	108	2
811,900	0,7482	3,17167	78,31	139,46	23713 17243	0,2190	98	96	2
813,900	0,7371	3,15610	82,36	146,32	23806 17053	0,2195	135	133	2
815,900	0,7296	3,14064	85,13	150,87	23475 16644	0,2201	135	132	2
817,900	0,7062	3,12530	93,94	166,07	23725 16281	0,2206	80	78	2
819,900	0,6980	3,11007	97,06	171,18	23496 15939	0,2212	123	121	2
821,900	0,6766	3,09496	105,50	185,60	23633 15473	0,2217	111	109	2
823,900	0,6715	3,07995	107,54	188,74	23296 15201	0,2222	113	111	2
825,900	0,6593	3,06505	112,48	196,92	23206 14868	0,2228	112	110	2
827,900	0,6236	3,05026	127,51	222,70	23870 14466	0,2233	131	129	2
829,900	0,6102	3,03558	133,38	232,38	23537 13957	0,2239	90	88	2
831,900	0,5783	3,02100	147,86	257,00	23602 13265	0,2244	121	119	2
833,900	0,5566	3,00652	158,21	274,32	23728 12834	0,2249	120	118	2
835,900	0,5272	2,99215	172,87	299,03	23685 12134	0,2255	119	116	2
837,900	0,5119	2,97789	180,80	312,00	23599 11739	0,2260	105	103	2
839,900	0,4704	2,96372	203,61	350,53	23664 10818	0,2265	112	110	2
841,900	0,4526	2,94966	214,05	367,63	23320 10256	0,2271	126	123	2

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.
843,900	0.4100	2,93569	240,73	412,46	23705 9445	0,2276	104 102	2
845,900	0,3775	2,92183	263,06	449,65	23272 8536	0,2282	122 119	2
847,900	0,3393	2,90806	291,83	497,66	23313 7687	0,2287	112 110	2
849,900	0,2807	2,89439	343,05	583,62	23857 6507	0,2292	116 113	2
851,900	0,2424	2,88081	382,63	649,43	23792 5604	0,2298	91 90	2
853,900	0,1956	2,86734	440,61	746,10	23635 4491	0,2303	110 107	2
855,900	0,1609	2,85395	493,30	833,37	23531 3679	0,2309	127 124	2
857,900	0,1165	2,84066	580,56	978,49	23454 2654	0,2314	115 113	2
859,900	0,0857	2,82746	663,38	1115,48	23125 1925	0,2319	123 120	2
861,900	0,0545	2,81435	785,58	1317,89	23357 1237	0,2325	109 107	2
863,900	0,0321	2,80134	928,10	1553,37	23470 733	0,2330	110 108	2
865,900	0,0190	2,78841	1070,64	1787,81	23487 432	0,2336	105 103	2
867,900	0,0101	2,77558	1241,25	2067,93	23561 230	0,2341	117 115	2
869,900	0,0078	2,76283	1309,82	2177,15	23266 176	0,2346	124 121	2
871,900	0,0077	2,75017	1315,62	2181,78	23289 173	0,2352	98 96	2
873,900	0,0061	2,73759	1378,39	2280,63	23608 139	0,2357	85 84	2
875,900	0,0038	2,72511	1506,69	2487,22	23563 86	0,2363	114 111	2
877,900	0,0047	2,71270	1449,20	2386,88	23277 105	0,2368	98 96	2
879,900	0,0039	2,70039	1498,07	2461,76	23365 88	0,2373	87 85	2
881,900	0,0021	2,68815	1667,74	2734,36	23079 46	0,2379	113 111	2
883,900	0,0029	2,67600	1580,36	2585,23	23100 64	0,2384	110 107	2
885,900	0,0019	2,66393	1688,62	2756,08	23251 43	0,2390	110 107	2
887,900	0,0031	2,65194	1559,19	2539,11	23608 71	0,2395	109 107	2
889,900	0,0026	2,64004	1603,91	2606,06	23208 59	0,2400	100 98	2
891,900	0,0040	2,62821	1492,15	2419,03	23237 89	0,2406	94 92	2
893,900	0,0016	2,61646	1738,47	2812,06	23501 36	0,2411	114 111	2
895,900	0,0051	2,60479	1424,61	2299,23	23300 115	0,2417	92 90	2
897,900	0,0056	2,59320	1397,75	2850,88	23041 126	0,2422	94 92	2
899,900	0,0099	2,58169	1247,41	2004,29	23485 224	0,2427	90 88	2
901,900	0,0202	2,57025	1053,86	1689,55	23410 459	0,2433	96 94	2
903,900	0,0350	2,55889	905,47	1448,44	23355 793	0,2438	99 97	2
905,900	0,0596	2,54760	761,20	1214,98	23151 1342	0,2444	85 83	2
907,900	0,0883	2,53639	655,39	1043,77	23208 1990	0,2449	97 95	2
909,900	0,1256	2,52525	560,09	890,04	23452 2863	0,2454	101 99	2
911,900	0,1584	2,51419	497,49	788,83	23316 3589	0,2460	81 79	2
913,900	0,1969	2,50320	438,70	694,10	23078 4417	0,2465	88 87	2
915,900	0,2433	2,49228	381,59	602,42	22876 5409	0,2470	109 106	2
917,900	0,2717	2,48143	351,84	554,24	23278 6146	0,2476	73 72	2
919,900	0,3190	2,47065	308,49	484,89	22946 7113	0,2481	77 76	2
921,900	0,3586	2,45994	276,91	434,31	23043 8030	0,2487	87 86	2
923,900	0,4026	2,44930	245,67	384,47	23065 9023	0,2492	89 88	2
925,900	0,4181	2,43873	235,45	367,69	23129 9397	0,2497	112 110	2
927,900	0,4573	2,42823	211,24	320,18	22977 10211	0,2503	90 88	2
929,900	0,4742	2,41780	201,43	313,22	23083 10638	0,2508	101 99	2
931,900	0,5073	2,40743	183,22	284,28	22866 11274	0,2514	77 75	2
933,900	0,5281	2,39713	172,36	266,87	23173 11893	0,2519	98 96	2
935,900	0,5610	2,38690	156,05	241,10	22919 12495	0,2524	110 100	2
937,900	0,5671	2,37673	153,14	236,09	23110 12736	0,2530	72 71	2
939,900	0,5948	2,36662	140,29	215,82	23184 13400	0,2535	105 102	2
941,900	0,6166	2,35658	130,55	200,41	23099 13841	0,2541	105 103	2
943,900	0,6252	2,34661	126,80	194,25	23238 14119	0,2546	64 63	2
945,900	0,6503	2,33670	116,19	177,61	22895 14468	0,2551	81 79	2
947,900	0,6569	2,32685	113,45	173,05	23190 14804	0,2557	100 98	2
949,900	0,6851	2,31706	102,10	155,42	22840 15207	0,2562	91 90	2
951,900	0,7004	2,30733	96,16	146,06	22931 15607	0,2568	73 71	2
953,900	0,7063	2,29767	93,87	142,29	22981 15774	0,2573	84 82	2
955,900	0,7114	2,28806	91,93	139,06	23026 15919	0,2578	71 70	2
957,900	0,7040	2,27852	94,76	143,04	23266 15917	0,2584	72 71	2
959,900	0,7321	2,26903	84,20	126,83	22858 16262	0,2589	105 103	2
961,900	0,7385	2,25961	81,85	123,04	22799 16361	0,2595	73 72	2
963,900	0,7553	2,25024	75,70	113,56	22733 16690	0,2600	89 88	2
965,900	0,7628	2,24093	73,11	109,44	22858 16944	0,2605	82 80	2
967,900	0,7785	2,23168	67,61	101,00	22574 17077	0,2611	82 81	2
969,900	0,7735	2,22248	69,33	103,36	22822 17155	0,2616	90 89	2
971,900	0,7777	2,21335	67,87	100,97	22712 17165	0,2622	99 97	2
973,900	0,7813	2,20427	66,62	98,91	22877 17370	0,2627	89 87	2
975,900	0,7945	2,19524	62,10	92,00	22544 17407	0,2632	83 81	2
977,900	0,7953	2,18627	61,85	91,45	22897 17696	0,2638	68 66	2
979,900	0,7972	2,17735	61,20	90,30	22896 17737	0,2643	67 66	2
981,900	0,8052	2,16849	58,50	86,15	22744 17796	0,2649	105 102	2
983,900	0,8105	2,15969	56,73	83,36	22589 17792	0,2654	62 60	2
985,900	0,8209	2,15093	53,40	78,32	22717 18114	0,2659	94 92	2
987,900	0,8164	2,14223	54,76	80,15	22803 18092	0,2665	68 66	2
989,900	0,8223	2,13358	52,82	77,16	22701 18140	0,2670	64 63	2
991,900	0,8275	2,12499	51,13	74,54	22652 18214	0,2675	66 65	2
993,900	0,8206	2,11645	53,38	77,65	22705 18106	0,2681	73 72	2
995,900	0,8341	2,10795	48,98	71,11	22712 18409	0,2686	97 95	2
997,900	0,8291	2,09951	50,61	73,33	22896 18447	0,2692	73 72	2
999,900	0,8403	2,09112	46,92	67,85	22493 18371	0,2697	81 79	2
1001,900	0,8414	2,08278	46,61	67,27	22584 18466	0,2702	75 73	2

DELAY	TRANS,	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN SAMPLE	FRAC, OF OCT	FAST BKGS OPEN SAMPLE	NO, PTS AVE,
1003,900	0,8541	2,07449	42,58	61,33	22603	18760	0,2708	90 88 2
1005,900	0,8515	2,06625	43,40	62,39	22632	18727	0,2713	68 67 2
1007,900	0,8496	2,05806	44,00	63,12	22558	18625	0,2719	84 82 2
1009,900	0,8687	2,04991	37,99	54,39	22194	18737	0,2724	75 74 2
1011,900	0,8750	2,04182	36,04	51,50	22153	18837	0,2729	74 73 2
1013,900	0,8489	2,03377	44,24	63,09	22594	18637	0,2735	42 41 2
1015,900	0,8686	2,02577	38,04	54,15	22373	18884	0,2740	81 80 2
1017,900	0,8830	2,01782	33,59	47,71	22292	19129	0,2746	54 53 2
1019,900	0,8563	2,00991	41,90	59,40	22650	18846	0,2751	56 55 2
1021,900	0,8816	2,00209	34,02	48,14	22438	19222	0,2756	65 64 2
1023,900	0,8751	1,99424	36,03	50,87	22558	19183	0,2762	57 56 2
1025,900	0,8716	1,98647	37,11	52,30	22309	18895	0,2767	74 73 2
1027,900	0,8761	1,97875	35,70	50,22	22389	19061	0,2773	57 56 2
1029,900	0,8670	1,97107	38,53	54,10	22536	18986	0,2778	55 54 2
1031,900	0,8701	1,96344	37,58	52,66	22296	18850	0,2783	53 52 2
1033,900	0,8838	1,95585	33,34	46,63	22197	19064	0,2789	65 64 2
1035,900	0,8816	1,94830	34,03	47,49	22012	18857	0,2794	65 64 2
1037,900	0,8960	1,94080	29,66	41,32	22390	19493	0,2800	59 58 2
1039,900	0,8713	1,93335	37,20	51,72	22426	18988	0,2805	67 66 2
1041,900	0,8952	1,92593	29,89	41,48	22283	19384	0,2810	65 64 2
1043,900	0,8844	1,91856	33,17	45,95	22589	19413	0,2816	50 49 2
1045,900	0,8838	1,91123	33,36	46,12	22383	19223	0,2821	66 65 2
1047,900	0,8927	1,90394	30,65	42,29	22318	19360	0,2827	49 48 2
1049,900	0,8748	1,89669	36,11	49,73	22531	19154	0,2832	51 50 2
1051,900	0,9034	1,88949	27,42	37,69	22134	19431	0,2837	33 32 2
1053,900	0,8801	1,88232	34,48	47,30	22191	18978	0,2843	42 41 2
1055,900	0,8849	1,87520	33,03	45,23	22371	19235	0,2848	91 89 2
1057,900	0,9005	1,86811	25,63	35,02	22017	19457	0,2854	50 49 2
1059,900	0,9057	1,86107	26,74	36,47	21871	19249	0,2859	33 32 2
1061,900	0,9069	1,85407	26,38	35,91	22144	19515	0,2864	62 61 2
1063,900	0,8971	1,84710	29,33	39,86	22322	19458	0,2870	72 70 2
1065,900	0,8966	1,84018	29,47	39,98	22035	19197	0,2875	48 47 2
1067,900	0,8911	1,83329	31,12	42,14	22251	19267	0,2880	45 44 2
1069,900	0,8969	1,82644	29,39	39,72	22037	19205	0,2886	73 72 2
1071,900	0,8962	1,81963	29,58	39,90	22003	19162	0,2891	68 67 2
1073,900	0,8923	1,81286	30,75	41,41	22389	19414	0,2897	54 53 2
1075,900	0,9047	1,80613	27,03	36,32	22056	19390	0,2902	55 54 2
1077,900	0,9023	1,79943	27,74	37,22	21987	19279	0,2907	54 53 2
1079,900	0,9149	1,79277	24,01	32,14	21830	19407	0,2913	35 34 2
1081,900	0,9044	1,78615	27,14	36,27	22243	19546	0,2918	41 41 2
1083,900	0,9013	1,77957	28,07	37,45	22382	19601	0,2924	56 55 2
1085,900	0,9023	1,77302	27,75	36,95	22026	19312	0,2929	49 48 2
1087,900	0,9012	1,76650	28,10	37,35	22002	19266	0,2934	65 64 2
1089,900	0,9113	1,76003	25,09	33,28	22000	19480	0,2940	33 32 2
1091,900	0,9017	1,75358	27,93	36,99	22077	19343	0,2945	49 48 2
1093,900	0,9124	1,74718	24,74	32,70	22025	19527	0,2951	72 71 2
1095,900	0,9188	1,74081	22,85	30,15	22008	19649	0,2956	50 49 2
1097,900	0,9102	1,73447	25,39	33,44	21841	19317	0,2961	67 66 2
1099,900	0,9151	1,72817	23,96	31,50	21936	19504	0,2967	51 50 2
1101,900	0,9165	1,72190	23,54	30,89	21853	19460	0,2972	64 63 2
1103,900	0,9045	1,71567	27,11	35,51	21786	19146	0,2978	62 61 2
1105,900	0,9038	1,70947	27,31	35,70	21827	19168	0,2983	49 48 2
1107,900	0,9187	1,70330	22,90	29,89	21713	19381	0,2988	45 44 2
1109,900	0,9213	1,69717	22,15	28,85	21458	19208	0,2994	56 55 2
1111,900	0,9201	1,69107	22,48	29,23	21635	19342	0,2999	61 59 2
1113,900	0,9290	1,68500	19,89	25,81	21425	19339	0,3005	49 48 2
1115,900	0,9123	1,67897	24,78	32,11	21789	19314	0,3010	52 51 2
1117,900	0,9113	1,67296	25,07	32,42	21657	19177	0,3015	67 65 2
1119,900	0,9190	1,66699	22,81	29,45	21676	19355	0,3021	37 36 2
1121,900	0,9285	1,66106	20,04	25,83	21703	19578	0,3026	50 49 2
1123,900	0,9120	1,65515	24,88	32,01	21693	19222	0,3032	56 55 2
1125,900	0,9132	1,64927	24,50	31,47	21815	19357	0,3037	50 49 2
1127,900	0,9010	1,64343	28,15	36,08	21886	19160	0,3042	65 64 2
1129,900	0,9129	1,63762	24,60	31,48	21675	19225	0,3048	44 43 2
1131,900	0,9144	1,63184	24,17	30,88	21603	19192	0,3053	59 58 2
1133,900	0,9208	1,62608	22,29	28,42	21753	19460	0,3059	53 52 2
1135,900	0,9240	1,62036	21,34	27,16	21777	19550	0,3064	55 54 2
1137,900	0,9386	1,61467	17,12	21,75	21346	19465	0,3069	60 59 2
1139,900	0,9023	1,60901	27,75	35,20	21785	19098	0,3075	49 48 2
1141,900	0,9407	1,60338	16,50	20,90	21547	19693	0,3080	33 32 2
1143,900	0,9305	1,59778	19,44	24,57	21543	19477	0,3085	44 43 2
1145,900	0,9007	1,59221	28,23	35,62	21782	19062	0,3091	60 59 2
1147,900	0,9231	1,58666	21,60	27,21	21591	19363	0,3096	49 48 2
1149,900	0,9319	1,58115	19,05	23,95	21378	19355	0,3102	48 47 2
1151,900	0,9359	1,57566	17,88	22,45	21275	19345	0,3107	41 40 2
1153,900	0,9093	1,57028	25,67	32,16	21476	18972	0,3112	52 50 2
1155,900	0,9241	1,56478	21,33	26,68	21484	19287	0,3118	57 56 2
1157,900	0,9254	1,55937	20,93	26,14	21459	19293	0,3123	34 33 2
1159,900	0,9243	1,55400	21,24	26,48	21323	19148	0,3129	55 54 2
1161,900	0,9049	1,54866	26,98	33,58	21670	19050	0,3134	40 40 2

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.
1163.900	0.9185	1.54334	22.94	28.50	21531 19214	0.3139	56 55	2
1165.900	0.9080	1.53805	26.05	32.31	21280 18772	0.3145	40 39	2
1167.900	0.9276	1.53278	20.29	25.12	21113 19026	0.3150	54 53	2
1169.900	0.9186	1.52755	22.94	28.35	21273 18983	0.3156	56 55	2
1171.900	0.9134	1.52234	24.47	30.19	21315 18913	0.3161	62 61	2
1173.900	0.9237	1.51716	21.43	26.39	21246 19065	0.3166	48 47	2
1175.900	0.9253	1.51200	20.97	25.78	21190 19047	0.3172	34 34	2
1177.900	0.9404	1.50687	16.58	20.35	20982 19169	0.3177	59 58	2
1179.900	0.9455	1.50177	15.13	18.55	21115 19394	0.3183	41 41	2
1181.900	0.9446	1.49669	15.39	18.83	21060 19325	0.3188	39 38	2
1183.900	0.9176	1.49163	23.21	28.35	21277 18966	0.3193	27 26	2
1185.900	0.9219	1.48661	21.96	26.78	21321 19093	0.3199	48 47	2
1187.900	0.9329	1.48161	18.77	22.84	21252 19258	0.3204	41 40	2
1189.900	0.9204	1.47663	22.39	27.21	21359 19097	0.3210	59 58	2
1191.900	0.9188	1.47168	22.85	27.72	21225 18944	0.3215	47 46	2
1193.900	0.9395	1.46675	16.84	20.40	20831 19011	0.3220	34 33	2
1195.900	0.9320	1.46185	19.01	22.98	21056 19062	0.3226	25 24	2
1197.900	0.9229	1.45697	21.66	26.15	21018 18842	0.3231	32 31	2
1199.900	0.9306	1.45212	19.43	23.42	21169 19135	0.3237	36 35	2
1201.900	0.9287	1.44729	19.97	24.03	21040 18979	0.3242	59 58	2
1203.900	0.9128	1.44249	24.62	29.57	21311 18895	0.3247	45 44	2
1205.900	0.9344	1.43771	18.31	21.95	20959 19023	0.3253	45 44	2
1207.900	0.9530	1.43295	13.00	15.56	20853 19302	0.3258	29 28	2
1209.900	0.9247	1.42822	21.12	25.24	21140 18988	0.3264	55 54	2
1211.900	0.9105	1.42350	25.31	30.19	21377 18904	0.3269	48 47	2
1213.900	0.9288	1.41882	19.95	23.76	20761 18727	0.3274	46 45	2
1215.900	0.9318	1.41415	19.07	22.68	21007 19011	0.3280	52 51	2
1217.900	0.9414	1.40951	16.32	19.37	20993 19193	0.3285	30 29	2
1219.900	0.9184	1.40490	22.85	27.08	21041 18812	0.3290	53 52	2
1221.900	0.9191	1.40030	22.78	26.96	21065 18802	0.3296	42 41	2
1223.900	0.9142	1.39573	24.23	28.63	21071 18707	0.3301	30 30	2
1225.900	0.9267	1.39118	20.54	24.23	20764 18687	0.3307	36 35	2
1227.900	0.9302	1.38665	19.55	23.02	20766 18757	0.3312	56 55	2
1229.900	0.9317	1.38214	19.10	22.45	20819 18836	0.3317	23 22	2
1231.900	0.9333	1.37766	18.63	21.87	20641 18707	0.3323	53 52	2
1233.900	0.9143	1.37320	24.20	28.36	20908 18561	0.3328	34 33	2
1235.900	0.9330	1.36876	18.72	21.90	20802 18845	0.3334	43 42	2
1237.900	0.9328	1.36434	18.78	21.94	20937 18963	0.3339	41 41	2
1239.900	0.9387	1.35994	17.08	19.91	20760 18921	0.3344	27 26	2
1241.900	0.9268	1.35556	20.53	23.90	20780 18697	0.3350	57 56	2
1243.900	0.9307	1.35121	19.38	22.53	20631 18641	0.3355	47 46	2
1245.900	0.9198	1.34687	22.57	26.19	20883 18647	0.3361	56 55	2
1247.900	0.9287	1.34256	19.96	23.13	20679 18642	0.3366	43 42	2
1249.900	0.9431	1.33826	15.81	18.29	20584 18613	0.3371	25 25	2
1251.900	0.9244	1.33399	21.23	24.52	20593 18476	0.3377	42 41	2
1253.900	0.9296	1.32974	19.72	22.74	20605 18589	0.3382	33 32	2
1255.900	0.9202	1.32551	22.45	25.85	20934 18695	0.3388	41 41	2
1257.900	0.9548	1.32130	12.49	14.35	20389 18891	0.3393	37 36	2
1259.900	0.9299	1.31711	19.62	22.52	20559 18550	0.3398	51 50	2
1261.900	0.9174	1.31293	23.20	26.67	20816 18527	0.3404	34 33	2
1263.900	0.9391	1.30878	16.96	19.41	20418 18601	0.3409	36 35	2
1265.900	0.9241	1.30465	21.31	24.34	20647 18507	0.3415	45 44	2
1267.900	0.9323	1.30054	18.93	21.58	20502 18538	0.3420	28 28	2
1269.900	0.9249	1.29644	21.07	23.99	20591 18469	0.3425	46 45	2
1271.900	0.9304	1.29237	19.47	22.13	20513 18505	0.3431	54 53	2
1273.900	0.9463	1.28831	14.89	16.90	20493 18800	0.3436	26 25	2
1275.900	0.9535	1.28428	12.85	14.56	20046 18525	0.3442	33 32	2
1277.900	0.9457	1.28026	15.08	17.06	20187 18499	0.3447	39 38	2
1279.900	0.9448	1.27626	15.32	17.31	20208 18500	0.3452	40 39	2
1281.900	0.9388	1.27228	17.04	19.22	20360 18520	0.3458	40 40	2
1283.900	0.9357	1.26832	17.95	20.22	20469 18554	0.3463	47 46	2
1285.900	0.9275	1.26438	20.32	22.85	20478 18400	0.3469	49 48	2
1287.900	0.9233	1.26046	21.55	24.20	20468 18306	0.3474	36 35	2
1289.900	0.9333	1.25655	18.64	20.89	20233 18292	0.3479	36 35	2
1291.900	0.9252	1.25266	21.00	23.50	20403 18286	0.3485	53 52	2
1293.900	0.9367	1.24879	17.66	19.73	20295 18417	0.3490	30 30	2
1295.900	0.9331	1.24494	18.70	20.86	20179 18262	0.3495	44 44	2
1297.900	0.9351	1.24111	18.11	20.17	20280 18373	0.3501	33 33	2
1299.900	0.9450	1.23729	15.28	17.00	20224 18515	0.3506	59 58	2
1301.900	0.9259	1.23349	20.79	23.10	19958 17901	0.3512	37 37	2
1303.900	0.9218	1.22971	21.99	24.39	20132 17976	0.3517	42 41	2
1305.900	0.9568	1.22595	11.93	13.21	19915 18456	0.3522	42 41	2
1307.900	0.9497	1.22220	13.94	15.41	20077 18467	0.3528	49 48	2
1309.900	0.9296	1.21847	19.70	21.74	20331 18304	0.3533	35 35	2
1311.900	0.9458	1.21476	15.05	16.58	19822 18154	0.3539	37 36	2
1313.900	0.9404	1.21107	16.58	18.25	19925 18142	0.3544	35 34	2
1315.900	0.9468	1.20739	14.77	16.23	19872 18213	0.3549	26 26	2
1317.900	0.9408	1.20373	16.48	18.09	20057 18264	0.3555	40 39	2
1319.900	0.9273	1.20008	20.38	22.33	19963 17914	0.3560	40 39	2
1321.900	0.9206	1.19645	22.33	24.43	20224 18014	0.3566	25 25	2

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
1323,900	0,9391	1,19284	16,97	18,53	19857 18038	0,3571	54	52	2
1325,900	0,9367	1,18924	17,65	19,24	19850 17981	0,3576	49	48	2
1327,900	0,9548	1,18566	12,49	13,60	19811 18287	0,3582	34	33	2
1329,900	0,9221	1,18210	21,91	23,82	20166 17971	0,3587	26	25	2
1331,900	0,9358	1,17855	17,93	19,46	19811 17909	0,3593	38	37	2
1333,900	0,9492	1,17502	14,07	15,25	19877 18216	0,3598	26	25	2
1335,900	0,9213	1,17151	22,12	23,94	19899 17689	0,3603	36	35	2
1337,900	0,9547	1,16801	12,50	13,51	19729 18161	0,3609	54	53	2
1339,900	0,9004	1,16452	28,34	30,58	19990 17339	0,3614	46	45	2
1341,900	0,9392	1,16109	16,95	18,26	19758 17861	0,3620	48	47	2
1343,900	0,9295	1,15760	19,75	21,25	19860 17752	0,3625	36	36	2
1345,900	0,9258	1,15416	20,80	22,35	19893 17694	0,3630	36	35	2
1347,900	0,9424	1,15074	16,02	17,19	19604 17730	0,3636	44	43	2
1349,900	0,9344	1,14733	18,33	19,63	19876 17802	0,3641	42	41	2
1351,900	0,9595	1,14394	11,16	11,94	19528 17936	0,3647	30	29	2
1353,900	0,9533	1,14056	12,92	13,79	19550 17810	0,3652	49	48	2
1355,900	0,9481	1,13720	14,40	15,36	19622 17745	0,3657	61	60	2
1357,900	0,9234	1,13385	21,53	22,92	19809 17411	0,3663	41	40	2
1359,900	0,9401	1,13052	16,67	17,72	19560 17465	0,3668	30	30	2
1361,900	0,9556	1,12720	12,25	13,01	19451 17610	0,3673	42	41	2
1363,900	0,9454	1,12390	15,16	16,07	19564 17474	0,3679	34	34	2
1365,900	0,9488	1,12061	14,18	15,01	19427 17360	0,3684	44	43	2
1367,900	0,9508	1,11734	13,61	14,39	19533 17430	0,3690	44	43	2
1369,900	0,9480	1,11408	14,41	15,21	19413 17205	0,3695	49	48	2
1371,900	0,9461	1,11083	14,96	15,77	19238 16943	0,3700	30	29	2
1373,900	0,9518	1,10760	13,33	14,03	19249 16974	0,3706	43	42	2
1375,900	0,9335	1,10438	18,57	19,52	19726 16976	0,3711	29	29	2
1377,900	0,9639	1,10118	9,94	10,43	19256 17026	0,3717	55	53	2
1379,900	0,9547	1,09799	12,52	13,12	19448 16943	0,3722	33	32	2
1381,900	0,9461	1,09481	14,95	15,64	19323 16588	0,3727	44	43	2
1383,900	0,9330	1,09165	18,73	19,57	19372 16299	0,3733	40	39	2
1385,900	0,9396	1,08850	16,81	17,54	19287 16233	0,3738	30	29	2
1387,900	0,9432	1,08537	15,79	16,45	19414 16290	0,3744	39	39	2
1389,900	0,9444	1,08224	15,46	16,08	19286 16117	0,3749	45	44	2
1391,900	0,9372	1,07914	17,50	18,18	19392 16011	0,3754	33	32	2
1393,900	0,9270	1,07604	20,46	21,22	19383 15757	0,3760	54	53	2
1395,900	0,9077	1,07296	26,13	27,07	19391 15360	0,3765	44	43	2
1397,900	0,9104	1,06989	25,34	26,21	19271 15232	0,3771	45	44	2
1399,900	0,9065	1,06684	26,51	27,38	19200 15031	0,3776	37	36	2
1401,900	0,9121	1,06380	24,84	25,62	19237 15109	0,3781	45	44	2
1403,900	0,9022	1,06077	27,80	28,63	19277 14996	0,3787	35	34	2
1405,900	0,9002	1,05775	28,39	29,20	19161 14897	0,3792	42	42	2
1407,900	0,8960	1,05475	29,65	30,45	19166 14855	0,3798	39	38	2
1409,900	0,8946	1,05176	30,08	30,84	19175 14861	0,3803	40	39	2
1411,900	0,8936	1,04878	30,37	31,10	19155 14851	0,3808	42	41	2
1413,900	0,9036	1,04582	27,36	27,98	19164 15053	0,3814	23	22	2
1415,900	0,9290	1,04286	19,87	20,29	18829 15279	0,3819	22	21	2
1417,900	0,9162	1,03992	23,63	24,09	19142 15424	0,3825	27	26	2
1419,900	0,9436	1,03700	15,67	15,95	18961 15835	0,3830	40	39	2
1421,900	0,9406	1,03408	16,54	16,82	18862 15795	0,3835	27	26	2
1423,900	0,9503	1,03118	13,77	13,99	18647 15862	0,3841	47	46	2
1425,900	0,9445	1,02829	15,42	15,64	18770 15953	0,3846	45	44	2
1427,900	0,9342	1,02541	18,37	18,61	18917 15984	0,3852	30	29	2
1429,900	0,9438	1,02254	15,62	15,80	18943 16264	0,3857	40	39	2
1431,900	0,9457	1,01969	15,08	15,22	18947 16396	0,3862	29	29	2
1433,900	0,9348	1,01685	18,22	18,37	18696 16077	0,3868	40	39	2
1435,900	0,9368	1,01401	17,62	17,74	18943 16404	0,3873	50	49	2
1437,900	0,9521	1,01120	13,24	13,32	18808 16628	0,3878	51	50	2
1439,900	0,9448	1,00839	15,34	15,40	18812 16568	0,3884	33	32	2
1441,900	0,9587	1,00559	11,37	11,41	18569 16657	0,3889	39	38	2
1443,900	0,9333	1,00281	18,65	18,67	18717 16399	0,3895	46	45	2
1445,900	0,9435	1,00004	15,69	15,69	18556 16489	0,3900	36	36	2
1447,900	0,9524	0,99728	13,18	13,16	18444 16590	0,3905	26	26	2
1449,900	0,9624	0,99453	10,34	10,31	18407 16775	0,3911	44	43	2
1451,900	0,9638	0,99179	9,95	9,91	18394 16826	0,3916	60	59	2
1453,900	0,9576	0,98906	11,68	11,62	18322 16689	0,3922	42	41	2
1455,900	0,9399	0,98635	16,75	16,63	18608 16667	0,3927	44	43	2
1457,900	0,9284	0,98364	20,05	19,89	18563 16451	0,3932	52	51	2
1459,900	0,9547	0,98095	12,53	12,41	18241 16645	0,3938	45	44	2
1461,900	0,9306	0,97827	19,43	19,22	18302 16299	0,3943	46	45	2
1463,900	0,9451	0,97560	15,26	15,07	18400 16662	0,3949	50	49	2
1465,900	0,9383	0,97294	17,18	16,95	18377 16540	0,3954	38	37	2
1467,900	0,9469	0,97029	14,73	14,51	18226 16570	0,3959	6	6	2
1469,900	0,9271	0,96765	20,45	20,11	18560 16535	0,3965	46	45	2
1471,900	0,9300	0,96502	19,59	19,24	18208 16286	0,3970	38	37	2
1473,900	0,9411	0,96240	16,38	16,07	18364 16632	0,3976	34	33	2
1475,900	0,9415	0,95980	16,27	15,94	18250 16545	0,3981	26	26	2
1477,900	0,9504	0,95720	13,75	13,45	18075 16549	0,3986	37	36	2
1479,900	0,9396	0,95461	16,81	16,42	18431 16693	0,3992	29	29	2
1481,900	0,9424	0,95204	16,03	15,64	18218 16556	0,3997	49	48	2

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
1483.900	0.9504	0.94947	13.74	13.39	18160 16650	0.4003	41	41	2
1485.900	0.9298	0.94692	19.66	19.13	18235 16363	0.4008	42	41	2
1487.900	0.9386	0.94438	17.12	16.64	18138 16436	0.4013	52	50	2
1489.900	0.9345	0.94184	18.28	17.74	18007 16251	0.4019	28	28	2
1491.900	0.9452	0.93932	15.23	14.76	18063 16491	0.4024	16	16	2
1493.900	0.9488	0.93681	14.18	13.72	18063 16559	0.4030	47	46	2
1495.900	0.9490	0.93430	14.13	13.66	17929 16443	0.4035	38	37	2
1497.900	0.9302	0.93181	19.53	18.85	18215 16378	0.4040	40	39	2
1499.900	0.9177	0.92933	23.18	22.35	18239 16183	0.4046	38	37	2
1501.900	0.9260	0.92685	20.75	19.97	17929 16055	0.4051	50	49	2
1503.900	0.9239	0.92439	21.36	20.54	17942 16033	0.4057	38	37	2
1505.900	0.9314	0.92193	19.18	18.41	17936 16161	0.4062	27	26	2
1507.900	0.9477	0.91949	14.50	13.90	17867 16383	0.4067	33	32	2
1509.900	0.9570	0.91706	11.86	11.36	17982 16654	0.4073	29	28	2
1511.900	0.9326	0.91463	18.83	18.01	17967 16218	0.4078	58	57	2
1513.900	0.9321	0.91222	18.98	18.13	18000 16242	0.4083	30	30	2
1515.900	0.9435	0.90981	15.70	14.97	17796 16256	0.4089	36	36	2
1517.900	0.9596	0.90742	11.14	10.61	17525 16284	0.4094	23	22	2
1519.900	0.9339	0.90503	18.45	17.55	17920 16207	0.4100	34	33	2
1521.900	0.9437	0.90265	15.66	14.88	17706 16182	0.4105	24	23	2
1523.900	0.9408	0.90028	16.49	15.64	17547 15989	0.4110	39	38	2
1525.900	0.9365	0.89793	17.72	16.79	17687 16045	0.4116	41	40	2
1527.900	0.9344	0.89558	18.32	17.33	17781 16096	0.4121	47	46	2
1529.900	0.9409	0.89324	13.89	13.13	17495 16100	0.4127	35	35	2
1531.900	0.9333	0.89091	18.65	17.60	17826 16119	0.4132	45	44	2
1533.900	0.9415	0.88858	16.28	15.35	17551 16012	0.4137	41	40	2
1535.900	0.9424	0.88627	16.02	15.08	17632 16103	0.4143	28	27	2
1537.900	0.9495	0.88397	13.99	13.16	17386 15999	0.4148	43	42	2
1539.900	0.9413	0.88167	16.32	15.32	17604 16061	0.4154	29	28	2
1541.900	0.9191	0.87939	22.76	21.55	17832 15887	0.4159	35	35	2
1543.900	0.9325	0.87711	18.88	17.68	17600 15908	0.4164	51	50	2
1545.900	0.9422	0.87484	16.08	15.04	17413 15904	0.4170	59	58	2
1547.900	0.9308	0.87258	19.37	18.10	17565 15849	0.4175	40	39	2
1549.900	0.9347	0.87033	18.23	17.01	17584 15935	0.4181	34	34	2
1551.900	0.9173	0.86809	23.32	21.73	17491 15556	0.4186	38	37	2
1553.900	0.9294	0.86586	19.78	18.40	17433 15710	0.4191	36	35	2
1555.900	0.9307	0.86363	19.41	18.03	17228 15547	0.4197	43	42	2
1557.900	0.9380	0.86142	17.27	16.03	17357 15788	0.4202	43	42	2
1559.900	0.9304	0.85921	19.47	18.05	17396 15696	0.4208	38	37	2
1561.900	0.9344	0.85701	18.33	16.97	17243 15625	0.4213	42	41	2
1563.900	0.9425	0.85482	15.98	14.77	17229 15749	0.4218	48	47	2
1565.900	0.9407	0.85264	16.50	15.24	17154 15651	0.4224	40	39	2
1567.900	0.9263	0.85046	20.68	19.07	17366 15601	0.4229	37	36	2
1569.900	0.9398	0.84830	16.77	15.44	17272 15744	0.4235	49	48	2
1571.900	0.9321	0.84614	18.97	17.45	17079 15441	0.4240	50	49	2
1573.900	0.9133	0.84399	24.49	22.50	17238 15271	0.4245	33	32	2
1575.900	0.9450	0.84185	15.27	14.01	16934 15523	0.4251	37	36	2
1577.900	0.9325	0.83972	18.86	17.28	17190 15550	0.4256	28	27	2
1579.900	0.9289	0.83759	19.91	18.22	17087 15398	0.4262	42	41	2
1581.900	0.9351	0.83548	18.13	16.57	17187 15590	0.4267	32	32	2
1583.900	0.9517	0.83337	13.38	12.21	16841 15548	0.4272	56	55	2
1585.900	0.9338	0.83127	18.50	16.87	16964 15367	0.4278	42	41	2
1587.900	0.9277	0.82918	20.28	18.46	16934 15240	0.4283	27	27	2
1589.900	0.9473	0.82709	14.01	13.28	16835 15474	0.4288	37	37	2
1591.900	0.9230	0.82501	21.63	19.65	16872 15110	0.4294	34	33	2
1593.900	0.9489	0.82294	14.16	12.84	16730 15403	0.4299	32	32	2
1595.900	0.9233	0.82088	21.55	19.52	17077 15298	0.4305	38	37	2
1597.900	0.9197	0.81883	22.61	20.46	17046 15211	0.4310	30	30	2
1599.900	0.9337	0.81678	18.53	16.75	17130 15519	0.4315	30	30	2
1601.900	0.9218	0.81475	21.09	19.85	17093 15288	0.4321	36	35	2
1603.900	0.9531	0.81271	12.96	11.69	16721 15465	0.4326	37	37	2
1605.900	0.9351	0.81069	18.11	16.31	16754 15203	0.4332	25	25	2
1607.900	0.9357	0.80868	17.95	16.14	16764 15221	0.4337	52	51	2
1609.900	0.9260	0.80667	20.77	18.65	16651 14962	0.4342	40	40	2
1611.900	0.9410	0.80467	16.41	14.72	16583 15144	0.4348	50	49	2
1613.900	0.9579	0.80267	11.61	10.40	16512 15350	0.4353	24	23	2
1615.900	0.9153	0.80069	23.88	21.37	16633 14775	0.4359	31	30	2
1617.900	0.9413	0.79871	16.32	14.58	16559 15128	0.4364	32	31	2
1619.900	0.9400	0.79674	16.70	14.90	16539 15089	0.4369	38	38	2
1621.900	0.9450	0.79478	15.27	13.62	16454 15091	0.4375	37	37	2
1623.900	0.9499	0.79282	13.88	12.36	16386 15106	0.4380	24	23	2
1625.900	0.9231	0.79087	21.59	19.20	16594 14868	0.4386	37	36	2
1627.900	0.9489	0.78893	14.18	12.59	16304 15015	0.4391	45	44	2
1629.900	0.9212	0.78699	22.15	19.65	16447 14706	0.4396	34	33	2
1631.900	0.9228	0.78506	21.70	19.23	16540 14814	0.4402	45	44	2
1633.900	0.9631	0.78314	10.14	8.98	16203 15147	0.4407	39	38	2
1635.900	0.9378	0.78123	17.35	15.34	16207 14751	0.4413	57	56	2
1637.900	0.9408	0.77932	16.48	14.55	16379 14957	0.4418	42	41	2
1639.900	0.9473	0.77742	14.61	12.88	16142 14842	0.4423	37	36	2
1641.900	0.9213	0.77553	22.13	19.49	16364 14634	0.4429	35	34	2

DELAY	TRANS.	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE,
1643.900	0.9319	0.77365	19.04	16.74	16320 14763	0.4434	33 32	2
1645.900	0.9443	0.77177	15.48	13.60	16140 14794	0.4440	39 38	2
1647.900	0.9342	0.76989	18.38	16.13	16053 14557	0.4445	40 39	2
1649.900	0.9331	0.76803	18.69	16.38	16164 14640	0.4450	30 29	2
1651.900	0.9469	0.76617	14.72	12.89	16001 14708	0.4456	39 39	2
1653.900	0.9253	0.76432	20.95	18.32	16169 14524	0.4461	49 48	2
1655.900	0.9374	0.76247	17.46	15.25	15908 14475	0.4467	34 33	2
1657.900	0.9370	0.76063	17.58	15.33	15989 14543	0.4472	29 29	2
1659.900	0.9243	0.75880	21.24	18.50	16043 14396	0.4477	36 35	2
1661.900	0.9591	0.75698	11.28	9.81	15766 14679	0.4483	43 42	2
1663.900	0.9357	0.75516	17.93	15.58	15908 14451	0.4488	37 36	2
1665.900	0.9399	0.75335	16.74	14.93	15798 14415	0.4493	39 39	2
1667.900	0.9461	0.75154	14.95	12.96	15598 14326	0.4499	59 57	2
1669.900	0.9281	0.74974	20.16	17.45	15901 14326	0.4504	27 26	2
1671.900	0.9391	0.74795	16.97	14.68	15741 14351	0.4510	32 31	2
1673.900	0.9536	0.74616	12.82	11.07	15951 14768	0.4515	36 36	2
1675.900	0.9513	0.74438	13.49	11.64	15763 14558	0.4520	50 49	2
1677.900	0.9581	0.74261	11.57	9.97	15600 14511	0.4526	36 36	2
1679.900	0.9424	0.74084	16.01	13.78	15686 14352	0.4531	33 32	2
1681.900	0.9484	0.73908	14.30	12.29	15429 14207	0.4537	40 39	2
1683.900	0.9415	0.73733	16.27	13.97	15522 14188	0.4542	47 46	2
1685.900	0.9473	0.73558	14.62	12.54	15571 14320	0.4547	32 31	2
1687.900	0.9310	0.73384	19.30	16.53	15716 14206	0.4553	29 28	2
1689.900	0.9377	0.73210	17.38	14.87	15677 14272	0.4558	56 55	2
1691.900	0.9356	0.73037	17.98	15.36	15572 14145	0.4564	29 28	2
1693.900	0.9238	0.72865	21.41	18.28	15559 13955	0.4569	33 32	2
1695.900	0.9303	0.72693	19.50	16.63	15724 14203	0.4574	28 28	2
1697.900	0.9369	0.72522	17.60	14.99	15567 14161	0.4580	28 27	2
1699.900	0.9277	0.72351	20.26	17.23	15651 14098	0.4585	34 33	2
1701.900	0.9591	0.72181	11.27	9.58	15306 14254	0.4591	45 44	2
1703.900	0.9452	0.72012	15.23	12.92	15317 14056	0.4596	50 49	2
1705.900	0.9421	0.71843	16.11	13.66	15259 13958	0.4601	45 44	2
1707.900	0.9358	0.71675	17.92	15.17	15281 13884	0.4607	44 43	2
1709.900	0.9355	0.71507	17.99	15.21	15175 13785	0.4612	35 34	2
1711.900	0.9621	0.71340	10.43	8.81	15157 14159	0.4618	35 35	2
1713.900	0.9371	0.71174	17.55	14.80	15156 13790	0.4623	27 26	2
1715.900	0.9368	0.71008	17.62	14.84	15210 13836	0.4628	28 27	2
1717.900	0.9428	0.70843	15.98	13.45	15293 13960	0.4634	39 38	2
1719.900	0.9245	0.70678	21.20	17.82	15306 13740	0.4639	27 27	2
1721.900	0.9246	0.70514	21.17	17.78	15256 13696	0.4645	44 43	2
1723.900	0.9397	0.70351	16.79	14.08	15013 13699	0.4650	45 44	2
1725.900	0.9309	0.70188	19.33	16.19	15042 13597	0.4655	38 37	2
1727.900	0.9226	0.70025	21.75	18.20	15184 13603	0.4661	44 43	2
1729.900	0.9438	0.69864	15.61	13.05	15028 13773	0.4666	51 50	2
1731.900	0.9096	0.69702	25.59	21.36	15289 13503	0.4672	27 26	2
1733.900	0.9521	0.69542	13.25	11.05	14829 13710	0.4677	37 36	2
1735.900	0.9307	0.69381	19.38	16.14	15039 13592	0.4682	35 35	2
1737.900	0.9552	0.69222	12.36	10.29	14703 13638	0.4688	43 42	2
1739.900	0.9544	0.69063	12.60	10.47	14724 13646	0.4693	39 38	2
1741.900	0.9319	0.68904	19.03	15.80	14844 13433	0.4698	37 37	2
1743.900	0.9373	0.68746	17.48	14.49	14701 13380	0.4704	45 44	2
1745.900	0.9565	0.68589	12.01	9.95	14730 13681	0.4709	22 21	2
1747.900	0.9298	0.68432	19.65	16.26	14705 13277	0.4715	27 26	2
1749.900	0.9496	0.68276	13.96	11.53	14601 13464	0.4720	45 44	2
1751.900	0.9347	0.68120	18.25	15.06	14792 13425	0.4725	35 34	2
1753.900	0.9379	0.67965	17.31	14.27	14721 13407	0.4731	37 36	2
1755.900	0.9339	0.67810	18.47	15.21	14630 13267	0.4736	32 31	2
1757.900	0.9315	0.67656	19.17	15.77	14664 13264	0.4742	35 35	2
1759.900	0.9549	0.67502	12.45	10.23	14369 13324	0.4747	47 46	2
1761.900	0.9291	0.67349	19.86	16.30	14648 13215	0.4752	37 36	2
1763.900	0.9302	0.67196	19.55	16.02	14749 13322	0.4758	25 24	2
1765.900	0.9464	0.67044	14.88	12.18	14531 13354	0.4763	25 25	2
1767.900	0.9224	0.66892	21.81	17.84	14563 13044	0.4769	54 53	2
1769.900	0.9574	0.66741	11.75	9.60	14181 13185	0.4774	45 44	2
1771.900	0.9300	0.66591	19.60	15.99	14506 13099	0.4779	37 37	2
1773.900	0.9616	0.66441	10.58	8.62	14043 13112	0.4785	32 31	2
1775.900	0.9209	0.66291	22.24	18.11	14555 13016	0.4790	29 28	2
1777.900	0.9437	0.66142	15.65	12.73	14161 12976	0.4796	30 30	2
1779.900	0.9282	0.65994	20.11	16.33	14314 12902	0.4801	44 43	2
1781.900	0.9338	0.65845	18.49	15.00	14330 12994	0.4806	20 19	2
1783.900	0.9333	0.65698	18.65	15.11	14176 12847	0.4812	49 48	2
1785.900	0.9395	0.65551	16.86	13.65	13883 12665	0.4817	19 18	2
1787.900	0.9214	0.65404	22.11	17.88	14377 12863	0.4823	30 30	2
1789.900	0.9334	0.65258	18.62	15.04	14177 12849	0.4828	60 59	2
1791.900	0.9345	0.65113	18.28	14.75	13900 12614	0.4833	32 31	2
1793.900	0.9303	0.64967	16.92	13.64	14033 12799	0.4839	41 41	2
1795.900	0.9323	0.64823	18.93	15.24	14178 12835	0.4844	26 25	2
1797.900	0.9339	0.64679	18.47	14.85	14039 12731	0.4850	27 26	2
1799.900	0.9499	0.64535	13.89	11.16	13880 12802	0.4855	40 39	2
1801.900	0.9502	0.64392	13.80	11.07	13831 12761	0.4860	35 35	2

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,
1803.900	0.9295	0.64249	19.74	15.82	14008 12643	0.4866	27	27	2
1805.900	0.9282	0.64107	20.12	16.11	13828 12463	0.4871	36	35	2
1807.900	0.9578	0.63965	11.65	9.32	13918 12944	0.4877	35	35	2
1809.900	0.9169	0.63824	23.43	18.72	13852 12332	0.4882	43	42	2
1811.900	0.9566	0.63683	11.99	9.57	13872 12885	0.4887	30	30	2
1813.900	0.9451	0.63543	15.26	12.16	13703 12574	0.4893	39	38	2
1815.900	0.9329	0.63403	18.76	14.93	13672 12385	0.4898	30	29	2
1817.900	0.9431	0.63263	15.82	12.58	13583 12438	0.4903	44	43	2
1819.900	0.9309	0.63124	19.33	15.36	13705 12387	0.4909	29	29	2
1821.900	0.9382	0.62986	17.22	13.67	13569 12361	0.4914	23	23	2
1823.900	0.9350	0.62848	18.15	14.39	13659 12400	0.4920	33	32	2
1825.900	0.9399	0.62710	16.73	13.25	13416 12243	0.4925	44	43	2
1827.900	0.9379	0.62573	17.32	13.70	13543 12332	0.4930	32	31	2
1829.900	0.9543	0.62436	12.64	9.99	13428 12441	0.4936	34	33	2
1831.900	0.9197	0.62300	22.59	17.83	13627 12168	0.4941	39	38	2
1833.900	0.9312	0.62164	19.24	15.17	13451 12161	0.4947	58	57	2
1835.900	0.9179	0.62029	23.13	18.22	13484 12016	0.4952	20	20	2
1837.900	0.9399	0.61894	16.75	13.18	13376 12205	0.4957	29	29	2
1839.900	0.9262	0.61760	22.44	17.64	13576 12128	0.4963	28	27	2
1841.900	0.9352	0.61626	18.10	14.21	13307 12081	0.4968	29	28	2
1843.900	0.9502	0.61492	13.78	10.81	13136 12117	0.4974	19	19	2
1845.900	0.9343	0.61359	18.05	14.37	13323 12084	0.4979	32	32	2
1847.900	0.9399	0.61226	16.74	13.10	13206 12049	0.4984	60	59	2
1849.900	0.9394	0.61094	16.89	13.20	13034 11885	0.4990	58	57	2
1851.900	0.9580	0.60962	11.58	9.04	12970 12061	0.4995	45	44	2
1853.900	0.9354	0.60830	18.02	14.05	13318 12093	0.5001	27	26	2
1855.900	0.9461	0.60699	14.95	11.65	13055 11990	0.5006	30	29	2
1857.900	0.9412	0.60569	16.35	12.72	12881 11788	0.5011	46	46	2
1859.900	0.9228	0.60438	21.68	16.85	13149 11778	0.5017	31	31	2
1861.900	0.9209	0.60309	22.24	17.27	13203 11801	0.5022	35	35	2
1863.900	0.9305	0.60179	19.46	15.09	12963 11706	0.5028	43	42	2
1865.900	0.9355	0.60050	17.99	13.94	12863 11679	0.5033	58	56	2
1867.900	0.9187	0.59922	22.91	17.73	13040 11626	0.5038	45	44	2
1869.900	0.9417	0.59794	16.20	12.93	12881 11772	0.5044	43	42	2
1871.900	0.9337	0.59666	18.53	14.31	13038 11813	0.5049	39	38	2
1873.900	0.9196	0.59539	22.63	17.46	12928 11536	0.5055	34	33	2
1875.900	0.9306	0.59412	19.42	14.97	12682 11452	0.5060	45	44	2
1877.900	0.9266	0.59285	20.58	15.85	12881 11581	0.5065	32	31	2
1879.900	0.9375	0.59159	17.42	13.40	12615 11475	0.5071	30	29	2
1881.900	0.9447	0.59034	15.36	11.80	12572 11522	0.5076	47	46	2
1883.900	0.9219	0.58908	21.95	16.85	12695 11355	0.5082	43	42	2
1885.900	0.9367	0.58783	17.65	13.53	12553 11408	0.5087	40	40	2
1887.900	0.9412	0.58659	16.36	12.53	12630 11533	0.5092	46	46	2
1889.900	0.9197	0.58535	22.59	17.29	12614 11255	0.5098	37	36	2
1891.900	0.9245	0.58411	21.18	16.19	12623 11322	0.5103	38	37	2
1893.900	0.9344	0.58288	18.33	14.00	12535 11363	0.5108	47	46	2
1895.900	0.9317	0.58165	19.12	14.58	12380 11190	0.5114	47	46	2
1897.900	0.9262	0.58042	20.70	15.77	12468 11204	0.5119	42	41	2
1899.900	0.9334	0.57920	18.59	14.15	12464 11288	0.5125	36	36	2
1901.900	0.9472	0.57799	14.65	11.14	12319 11320	0.5130	43	42	2
1903.900	0.9662	0.57677	9.28	7.05	12087 11331	0.5135	34	33	2
1905.900	0.9164	0.57556	23.56	17.87	12393 11020	0.5141	52	51	2
1907.900	0.9236	0.57436	21.48	16.26	12298 11021	0.5146	40	40	2
1909.900	0.9234	0.57315	21.51	16.28	12258 10983	0.5152	40	40	2
1911.900	0.9227	0.57196	21.73	16.43	12194 10918	0.5157	40	40	2
1913.900	0.9276	0.57074	20.29	15.33	12199 10980	0.5162	44	43	2
1915.900	0.9322	0.56957	18.95	14.30	12027 10880	0.5168	34	33	2
1917.900	0.9319	0.56838	19.05	14.36	12096 10938	0.5173	32	31	2
1919.900	0.9353	0.56720	18.06	13.60	12182 11056	0.5179	44	43	2
1921.900	0.9511	0.56602	13.55	10.19	11932 11013	0.5184	52	51	2
1923.900	0.9265	0.56484	20.60	15.48	12107 10886	0.5189	39	38	2
1925.900	0.9302	0.56367	19.53	14.66	12095 10919	0.5195	27	26	2
1927.900	0.9450	0.56250	15.28	11.46	12036 11038	0.5200	43	42	2
1929.900	0.9501	0.56134	13.82	10.36	11812 10892	0.5206	44	43	2
1931.900	0.9142	0.56017	24.23	18.14	11920 10576	0.5211	29	28	2
1933.900	0.9403	0.55902	16.83	12.43	11728 10703	0.5216	30	29	2
1935.900	0.9415	0.55786	16.26	12.15	11815 10797	0.5222	38	37	2
1937.900	0.9343	0.55671	18.34	13.68	11803 10704	0.5227	26	25	2
1939.900	0.9388	0.55556	17.05	12.71	11775 10729	0.5233	39	38	2
1941.900	0.9459	0.55442	15.03	11.19	11428 10492	0.5238	30	29	2
1943.900	0.9072	0.55328	26.31	19.57	11922 10498	0.5243	40	39	2
1945.900	0.9612	0.55214	10.67	7.93	11463 10695	0.5249	37	36	2
1947.900	0.9288	0.55101	19.94	14.81	11647 10501	0.5254	38	37	2
1949.900	0.9277	0.54988	20.25	15.02	11547 10399	0.5260	35	35	2
1951.900	0.9386	0.54875	17.10	12.67	11632 10599	0.5265	43	42	2
1953.900	0.9287	0.54763	19.97	14.78	11714 10560	0.5270	48	47	2
1955.900	0.9267	0.54651	20.55	15.20	11465 10314	0.5276	34	33	2
1957.900	0.9436	0.54540	15.68	11.58	11209 10267	0.5281	42	41	2
1959.900	0.9457	0.54428	15.08	11.12	11345 10415	0.5287	33	32	2
1961.900	0.9467	0.54317	14.78	10.90	11359 10439	0.5292	41	41	2

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.
1963,900	0,9614	0,54207	10,64	7,83	11320 10565	0,5297	28 27	2
1965,900	0,9438	0,54097	15,60	11,48	11297 10351	0,5303	50 49	2
1967,900	0,9375	0,53987	17,43	12,81	11224 10215	0,5308	33 32	2
1969,900	0,9273	0,53877	20,38	14,96	11316 10187	0,5313	31 30	2
1971,900	0,9207	0,53768	22,31	16,36	11219 10028	0,5319	52 51	2
1973,900	0,9241	0,53659	21,33	15,62	11303 10140	0,5324	49 48	2
1975,900	0,9220	0,53550	21,94	16,06	11200 10025	0,5330	39 38	2
1977,900	0,9354	0,53442	18,03	13,18	11204 10174	0,5335	27 26	2
1979,900	0,9379	0,53334	17,30	12,63	11128 10133	0,5340	27 26	2
1981,900	0,9363	0,53227	16,90	12,33	11128 10149	0,5346	25 25	2
1983,900	0,9458	0,53119	15,05	10,97	10994 10095	0,5351	36 36	2
1985,900	0,9642	0,53012	9,83	7,16	10790 10101	0,5357	37 36	2
1987,900	0,9364	0,52906	17,73	12,90	10983 9986	0,5362	26 25	2
1989,900	0,9586	0,52800	11,42	8,30	10889 10134	0,5367	38 37	2
1991,900	0,9471	0,52694	14,69	10,66	10763 9897	0,5373	26 26	2
1993,900	0,9289	0,52588	19,92	14,45	10883 9814	0,5378	41 40	2
1995,900	0,9364	0,52483	17,74	12,85	10742 9767	0,5384	40 40	2
1997,900	0,9402	0,52378	16,64	12,04	10722 9788	0,5389	42 41	2
1999,900	0,9196	0,52273	22,64	16,37	10946 9773	0,5394	27 27	2
2001,900	0,9528	0,52168	13,06	9,43	10615 9820	0,5400	34 33	2
2003,900	0,9510	0,52064	13,57	9,79	10612 9799	0,5405	39 39	2
2005,900	0,9346	0,51961	18,26	13,16	10608 9627	0,5411	35 35	2
2007,900	0,9363	0,51857	17,78	12,80	10560 9600	0,5416	46 45	2
2009,900	0,9216	0,51754	22,06	15,87	10585 9471	0,5421	24 23	2
2011,900	0,9285	0,51651	20,02	14,39	10623 9577	0,5427	42 41	2
2013,900	0,9546	0,51549	12,55	9,01	10386 9627	0,5432	30 29	2
2015,900	0,9532	0,51446	12,93	9,28	10443 9666	0,5438	44 43	2
2017,900	0,9443	0,51344	15,47	11,08	10371 9509	0,5443	38 37	2
2019,900	0,9324	0,51243	18,89	13,52	10303 9328	0,5448	37 36	2
2021,900	0,9612	0,51141	10,68	7,64	10306 9618	0,5454	42 42	2
2023,900	0,9720	0,51040	7,67	5,48	10181 9608	0,5459	41 41	2
2025,900	0,9349	0,50940	18,18	12,97	10384 9426	0,5465	51 50	2
2027,900	0,9295	0,50839	19,73	14,07	10437 9420	0,5470	28 27	2
2029,900	0,9261	0,50739	20,73	14,76	10304 9266	0,5475	24 23	2
2031,900	0,9603	0,50639	10,93	7,78	10191 9503	0,5481	24 23	2

A-3. 0.51-14.4 eV, $1/n = 3800$ barns/atom

DELAY	TRANS.	ENERGY	X=SEC	X=SEC MODIFIED	COUNTS OPEN SAMPLE	FRAC, OF OCT.	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
381.400	1.0002	14.37246	-0.09	2.61	44958 44934	0.1031	254	254	2
383.400	0.9944	14.22291	23.43	85.35	44680 44397	0.1037	265	265	2
385.400	0.9935	14.07567	27.18	101.95	44633 44311	0.1042	245	245	2
387.400	1.0025	13.93071	-10.54	-39.33	44691 44773	0.1048	278	278	2
389.400	0.9935	13.78798	25.99	100.21	44956 44633	0.1053	199	199	2
391.400	1.0025	13.64743	-10.49	-38.76	44904 44986	0.1058	213	213	2
393.400	0.9834	13.50902	69.53	255.55	44771 43996	0.1064	235	235	2
395.400	0.9939	13.37270	25.31	92.56	44757 44454	0.1069	245	245	2
397.400	1.0047	13.23844	-19.46	-70.82	44450 44628	0.1075	212	212	2
399.400	0.9954	13.10619	19.27	69.76	44486 44249	0.1080	256	256	2
401.400	0.9940	12.97591	24.96	89.91	44590 44292	0.1085	262	262	2
403.400	0.9851	12.84756	62.23	223.07	44762 44065	0.1091	241	241	2
405.400	0.9939	12.72111	25.44	90.74	44630 44525	0.1096	274	274	2
407.400	0.9996	12.59652	1.46	9.20	44386 44339	0.1102	259	259	2
409.400	0.9950	12.47375	21.00	74.18	44553 44297	0.1107	232	232	2
411.400	0.9994	12.35276	2.30	8.09	44600 44544	0.1112	247	247	2
413.400	0.9914	12.23352	35.89	138.53	44497 44003	0.1118	226	226	2
415.400	0.9887	12.11601	47.22	164.38	44935 44396	0.1123	245	245	2
417.400	1.0025	12.00018	-10.28	-35.60	44503 44582	0.1129	291	291	2
419.400	0.9994	11.88600	2.55	6.79	44620 44562	0.1134	280	280	2
421.400	0.9887	11.77344	47.10	161.60	44766 44230	0.1139	298	298	2
423.400	0.9944	11.66248	23.30	79.57	44281 44002	0.1145	274	274	2
425.400	0.9949	11.55307	21.11	71.74	44780 44521	0.1150	249	249	2
427.400	0.9836	11.44520	68.53	231.85	44715 43952	0.1156	283	283	2
429.400	1.0057	11.33884	-23.63	-79.58	44260 44481	0.1161	313	313	2
431.400	0.9934	11.23394	27.33	91.59	44774 44449	0.1167	321	321	2
433.400	0.9931	11.13050	28.59	99.39	44542 44205	0.1172	295	295	2
435.400	0.9884	11.02848	48.61	163.43	44662 44111	0.1177	308	308	2
437.400	1.0059	10.92786	-24.30	-80.33	44043 44271	0.1183	320	320	2
439.400	0.9915	10.82860	35.35	116.31	44613 44204	0.1188	321	321	2
441.400	1.0042	10.73070	-17.37	-56.91	44373 44528	0.1194	353	353	2
443.400	0.9942	10.63411	24.35	79.41	44787 44494	0.1199	313	313	2
445.400	0.9985	10.53882	6.24	20.24	44080 43982	0.1204	321	321	2
447.400	0.9888	10.44481	46.96	151.78	44578 44045	0.1210	315	315	2
449.400	1.0133	10.35205	-54.94	-176.77	43869 44422	0.1215	327	327	2
451.400	1.0020	10.26052	-8.32	-26.64	44437 44495	0.1221	300	300	2
453.400	0.9973	10.17020	11.26	35.91	44559 44407	0.1226	326	326	2
455.400	0.9900	10.08107	41.76	132.60	44331 43856	0.1231	371	371	2
457.400	1.0016	9.99310	-7.39	-23.37	44154 44202	0.1237	317	317	2
459.400	0.9942	9.90628	24.32	76.54	44213 44222	0.1242	362	362	2
461.400	0.9986	9.82059	5.61	17.59	44376 44285	0.1248	374	374	2
463.400	0.9810	9.73600	79.51	248.10	44937 44053	0.1253	401	401	2
465.400	0.9897	9.65250	43.16	134.08	44469 43979	0.1258	400	400	2
467.400	0.9925	9.57007	31.06	96.08	44407 44045	0.1264	402	402	2
469.400	0.9978	9.48869	9.21	28.37	44345 44218	0.1269	396	396	2
471.400	0.9951	9.40835	20.37	62.47	44353 44204	0.1275	436	436	2
473.400	1.0017	9.32902	-7.20	-21.99	44140 44185	0.1280	407	407	2
475.400	1.0016	9.25069	-6.45	-19.62	43947 43984	0.1285	464	464	2
477.400	1.0051	9.17334	-21.30	-64.52	43760 43954	0.1291	461	461	2
479.400	0.9908	9.09696	38.20	115.21	44434 43996	0.1296	484	484	2
481.400	0.9982	9.02153	7.52	22.60	43860 43749	0.1302	475	475	2
483.400	1.0054	8.94704	-22.31	-66.73	43848 44053	0.1307	483	483	2
485.400	0.9930	8.87346	29.15	86.83	44209 43869	0.1313	522	522	2
487.400	0.9937	8.80079	26.05	77.28	44215 43907	0.1318	501	501	2
489.400	0.9990	8.72900	4.16	12.29	44226 44150	0.1323	543	543	2
491.400	1.0006	8.65809	-2.66	-7.81	44082 44079	0.1329	546	546	2
493.400	0.9979	8.58804	8.59	25.17	43872 43751	0.1334	565	565	2
495.400	0.9952	8.51884	19.78	57.73	44317 44075	0.1340	584	584	2
497.400	0.9993	8.45047	2.80	8.13	44081 44020	0.1345	554	554	2
499.400	0.9996	8.38292	1.75	5.05	44037 43987	0.1350	578	578	2
501.400	0.9980	8.31618	8.19	23.61	44004 43886	0.1356	594	594	2
503.400	0.9971	8.25023	11.98	34.41	44329 44170	0.1361	640	640	2
505.400	0.9967	8.18506	13.71	39.23	43891 43716	0.1367	610	610	2
507.400	0.9986	8.12067	5.99	17.08	44127 44032	0.1372	668	668	2
509.400	0.9857	8.05702	59.69	169.42	44257 43890	0.1377	653	653	2
511.400	0.9989	7.99413	4.71	13.32	43894 43814	0.1383	647	647	2
513.400	0.9872	7.93197	53.61	150.99	43934 43340	0.1388	660	660	2
515.400	0.9925	7.87053	31.37	88.01	43871 43510	0.1394	629	629	2
517.400	1.0021	7.80980	-8.66	-24.19	43842 43902	0.1399	600	600	2
519.400	0.9940	7.74977	25.18	70.10	43801 43506	0.1404	576	576	2

DELAY	TRANS.	ENERGY	X-SEC	X=SEC	ROOT E	COUNTS	FMAC,	FAST	BKGS	NO.	PTS
						OPEN	SAMPLE	OF OCT	OPEN	SAMPLE	AVE,
521.400	0.9897	7.69043	42.97	119.15	43896	43414	0.1410	601	601	601	2
523.400	0.9939	7.63177	25.28	69.85	43609	43314	0.1415	619	619	619	2
525.400	0.9962	7.57378	15.81	43.50	43811	43614	0.1421	647	647	647	2
527.400	0.9901	7.51644	41.24	113.07	44158	43691	0.1426	596	596	596	2
529.400	0.9975	7.45976	10.27	28.04	43814	43674	0.1431	576	576	576	2
531.400	0.9905	7.40371	39.49	107.45	44059	43612	0.1437	581	581	581	2
533.400	1.0057	7.34829	-23.47	-83.62	43475	43691	0.1442	554	554	554	2
535.400	1.0004	7.29350	-1.75	-4.71	43789	43777	0.1448	511	511	511	2
537.400	1.0020	7.23931	-8.21	-22.10	43694	43750	0.1453	545	545	545	2
539.400	0.9930	7.18573	29.06	77.89	44028	43690	0.1459	523	523	523	2
541.400	1.0023	7.13273	-9.74	-28.01	43873	43945	0.1464	510	510	510	2
543.400	1.0011	7.08033	-4.55	-12.10	43794	43811	0.1469	537	537	537	2
545.400	1.0010	7.02849	-4.32	-11.46	43747	43761	0.1475	540	540	540	2
547.400	0.9983	6.97723	7.26	19.17	43856	43748	0.1480	504	504	504	2
549.400	0.9917	6.92652	34.51	90.82	43703	43311	0.1486	492	492	492	2
551.400	1.0042	6.87637	-17.54	-45.99	43620	43773	0.1491	524	524	524	2
553.400	0.9934	6.82675	27.51	71.88	43688	43369	0.1496	487	487	487	2
555.400	1.0054	6.77768	-22.50	-58.57	43382	43587	0.1502	522	522	522	2
557.400	1.0080	6.72913	-33.26	-86.27	43549	43868	0.1507	478	478	478	2
559.400	1.0115	6.68109	-47.68	-120.23	43414	43884	0.1513	474	474	474	2
561.400	1.0085	6.63358	-35.04	-90.26	43575	43914	0.1518	461	461	461	2
563.400	0.9934	6.58656	27.63	70.91	43853	43531	0.1523	453	453	453	2
565.400	1.0078	6.54005	-32.26	-82.49	43223	43529	0.1529	501	501	501	2
567.400	0.9820	6.49402	75.62	192.69	44286	43456	0.1534	482	482	482	2
569.400	1.0001	6.44848	-0.40	-1.02	43699	43672	0.1540	504	504	504	2
571.400	0.9849	6.40342	63.10	159.67	43704	43014	0.1545	502	502	502	2
573.400	0.9957	6.35883	18.00	45.39	43688	43468	0.1550	443	443	443	2
575.400	0.9786	6.31470	89.70	225.40	43707	42742	0.1556	483	483	483	2
577.400	0.9962	6.27103	15.97	39.99	43619	43420	0.1561	435	435	435	2
579.400	0.9971	6.22781	12.04	30.04	43729	43571	0.1567	482	482	482	2
581.400	0.9861	6.18504	58.30	144.99	43842	43200	0.1572	458	458	458	2
583.400	0.9904	6.14271	40.00	99.15	43723	43273	0.1578	449	449	449	2
585.400	0.9958	6.10080	17.51	43.24	43559	43345	0.1583	463	463	463	2
587.400	0.9921	6.05933	32.99	81.22	43644	43268	0.1588	455	455	455	2
589.400	1.0051	6.01828	-21.14	-51.87	43440	43630	0.1594	445	445	445	2
591.400	0.9937	5.97764	26.21	64.08	43465	43161	0.1599	414	414	414	2
593.400	1.0120	5.93742	-49.62	-120.90	43394	43885	0.1605	470	470	470	2
595.400	0.9925	5.89759	31.18	75.73	43525	43169	0.1610	470	470	470	2
597.400	0.9984	5.85817	6.53	15.81	43499	43400	0.1615	433	433	433	2
599.400	1.0007	5.81914	-2.96	-7.14	43139	43139	0.1621	443	443	443	2
601.400	1.0001	5.78050	-0.52	-1.24	43139	43114	0.1626	392	392	392	2
603.400	0.9917	5.74225	34.53	82.75	43373	42984	0.1632	395	395	395	2
605.400	0.9973	5.70437	11.12	26.56	43613	43465	0.1637	477	477	477	2
607.400	0.9979	5.66687	8.55	20.35	43275	43155	0.1642	399	399	399	2
609.400	0.9974	5.62973	10.81	25.66	43283	43140	0.1648	373	373	373	2
611.400	0.9878	5.59296	50.79	120.11	43625	43064	0.1653	396	396	396	2
613.400	0.9940	5.55655	24.91	58.72	43306	43016	0.1659	394	394	394	2
615.400	1.0002	5.52049	-0.78	-1.84	43188	43166	0.1664	365	365	365	2
617.400	1.0062	5.48478	-25.54	-59.81	43222	43458	0.1669	394	394	394	2
619.400	0.9882	5.44942	49.20	114.86	43328	42787	0.1675	430	430	430	2
621.400	1.0026	5.41440	-10.95	-25.48	42828	42911	0.1680	423	423	423	2
623.400	0.9916	5.37971	35.09	81.39	43372	42977	0.1686	343	343	343	2
625.400	1.0000	5.34536	0.19	0.45	42961	42928	0.1691	401	401	401	2
627.400	0.9924	5.31133	31.54	72.68	43254	42896	0.1696	364	364	364	2
629.400	1.0042	5.27763	-17.20	-39.52	43061	43209	0.1702	387	387	387	2
631.400	1.0045	5.24425	-18.63	-42.66	42756	42917	0.1707	329	329	329	2
633.400	1.0035	5.21118	-14.36	-32.79	43158	43276	0.1713	317	317	317	2
635.400	0.9964	5.17843	14.82	33.73	43037	42853	0.1718	340	340	340	2
637.400	0.9949	5.14598	21.21	48.12	43244	42993	0.1724	375	375	375	2
639.400	0.9902	5.11384	41.09	92.91	43214	42758	0.1729	348	348	348	2
641.400	0.9966	5.08200	14.03	31.62	42837	42662	0.1734	337	337	337	2
643.400	0.9904	5.05045	40.17	90.26	43108	42663	0.1740	373	373	373	2
645.400	0.9978	5.01920	9.01	20.19	43049	42925	0.1745	329	329	329	2
647.400	1.0063	4.98824	-25.99	-58.04	42720	42958	0.1751	345	345	345	2
649.400	0.9940	4.95756	24.92	55.48	42983	42696	0.1756	329	329	329	2
651.400	0.9846	4.92716	64.36	142.87	43344	42647	0.1761	364	364	364	2
653.400	0.9901	4.89705	41.34	91.49	42966	42510	0.1767	313	313	313	2
655.400	0.9955	4.86721	18.69	41.24	42891	42628	0.1772	317	317	317	2
657.400	1.0070	4.83764	-29.17	-64.15	42771	43041	0.1778	312	312	312	2
659.400	0.9989	4.80833	4.62	10.13	42899	42821	0.1783	320	320	320	2
661.400	1.0007	4.77930	-3.00	-6.56	42931	42932	0.1788	293	293	293	2
663.400	0.9902	4.75053	40.83	89.00	43286	42832	0.1794	320	320	320	2
665.400	0.9950	4.72201	20.93	45.48	43000	42754	0.1799	295	295	295	2
667.400	0.9869	4.69375	54.56	118.21	42925	42334	0.1805	287	287	287	2
669.400	1.0034	4.66575	-14.07	-30.40	42784	42899	0.1810	312	312	312	2
671.400	0.9917	4.63799	34.75	74.83	42971	42583	0.1815	302	302	302	2
673.400	0.9917	4.61048	34.53	74.15	42824	42439	0.1821	299	299	299	2
675.400	0.9925	4.58322	31.42	67.27	43144	42788	0.1826	265	265	265	2
677.400	0.9780	4.55619	92.54	197.54	43114	42134	0.1832	316	316	316	2
679.400	0.9988	4.52941	5.17	11.00	42761	42678	0.1837	266	266	266	2

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS		FRAC, OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE,
					OPEN	SAMPLE			
661.400	0.9846	4.50286	64.32	136.49	43037	42345	0.1843	263	263
663.400	0.9831	4.47654	70.70	149.58	43102	42344	0.1846	298	298
665.400	1.0072	4.45045	*29.58	-62.41	42269	42541	0.1853	272	272
667.400	0.9919	4.42459	33.87	71.24	42764	42387	0.1859	282	282
669.400	0.9950	4.39896	20.85	43.72	42879	42634	0.1864	266	266
691.400	0.9943	4.37355	23.77	49.72	42954	42679	0.1870	254	254
693.400	1.0019	4.34835	-7.74	-10.14	42418	42466	0.1875	251	251
695.400	0.9903	4.32338	40.50	84.21	42703	42258	0.1880	267	267
697.400	0.9958	4.29862	17.37	36.01	42628	42420	0.1886	260	260
699.400	0.9975	4.27407	10.59	21.89	42428	42290	0.1891	277	277
701.400	0.9895	4.24973	44.03	90.76	42392	41915	0.1897	264	264
703.400	0.9836	4.22559	68.57	140.95	42510	41784	0.1902	236	236
705.400	0.9969	4.20167	13.04	26.73	41897	41736	0.1907	294	294
707.400	1.0104	4.17794	*42.97	-87.84	40760	41155	0.1913	272	272
709.400	1.0022	4.15442	-8.99	-18.33	41809	41870	0.1918	226	226
711.400	0.9967	4.13109	13.61	27.65	41708	41542	0.1924	283	283
713.400	0.9850	4.10796	62.94	127.57	42327	41660	0.1929	185	185
715.400	1.0020	4.08502	*8.14	-16.44	42141	42194	0.1934	219	219
717.400	1.0146	4.06228	*60.29	*121.51	41835	42417	0.1940	234	234
719.400	1.0032	4.03972	*13.11	-26.35	42095	42196	0.1945	248	248
721.400	0.9857	4.01736	59.89	120.04	42320	41684	0.1951	252	252
723.400	1.0007	3.99517	*2.93	*0.86	41830	41830	0.1956	264	264
725.400	0.9890	3.97347	45.90	93.50	42507	42009	0.1961	214	214
727.400	0.9979	3.95135	8.53	16.95	42391	42274	0.1967	251	251
729.400	0.9870	3.92971	54.39	107.81	42615	42031	0.1972	225	225
731.400	0.9993	3.90825	2.71	5.36	42312	42254	0.1978	214	214
733.400	1.0083	3.88697	*34.14	-67.32	42218	42536	0.1983	228	228
735.400	0.9985	3.86585	6.42	12.63	42337	42242	0.1989	252	252
737.400	0.9939	3.84491	25.41	49.82	42383	42095	0.1994	235	235
739.400	0.9929	3.82414	29.73	58.13	42195	41864	0.1999	205	205
741.400	0.9849	3.80353	63.20	123.26	42418	41747	0.2005	212	212
743.400	0.9938	3.78310	25.72	50.02	42403	42111	0.2010	253	253
745.400	0.9858	3.76282	59.55	115.51	42515	41880	0.2016	228	228
747.400	0.9933	3.74271	27.89	55.95	42194	41882	0.2021	211	211
749.400	1.0004	3.72276	*1.76	*0.40	42069	42057	0.2026	204	204
751.400	0.9939	3.70297	25.50	49.08	42353	42063	0.2032	216	216
753.400	0.9869	3.68334	54.67	104.93	42372	41787	0.2037	199	199
755.400	0.9875	3.66386	52.05	99.63	42499	41939	0.2043	210	210
757.400	0.9856	3.64453	60.06	114.65	42172	41537	0.2048	230	230
759.400	0.9994	3.62536	2.30	4.38	41966	41912	0.2053	213	213
761.400	1.0001	3.60634	*0.23	*0.44	42015	41987	0.2059	224	224
763.400	0.9967	3.58747	13.87	26.27	42125	41955	0.2064	201	201
765.400	0.9825	3.56875	73.46	138.78	42526	41750	0.2070	185	185
767.400	0.9829	3.55017	71.54	134.79	42527	41770	0.2075	210	210
769.400	0.9798	3.53174	84.53	158.86	42473	41587	0.2080	225	225
771.400	1.0021	3.51345	*8.64	-16.19	41845	41902	0.2086	199	199
773.400	0.9929	3.49530	29.49	55.14	42103	41775	0.2091	224	224
775.400	0.9988	3.47729	4.80	8.94	41731	41652	0.2097	194	194
777.400	0.9868	3.45942	55.16	102.59	42019	41435	0.2102	226	226
779.400	0.9898	3.44169	42.65	79.12	41730	41282	0.2107	239	239
781.400	0.9864	3.42409	56.83	105.16	41995	41394	0.2113	236	236
783.400	0.9826	3.40663	72.95	134.64	42335	41560	0.2118	207	207
785.400	0.9991	3.38931	3.58	6.60	41266	41201	0.2124	266	266
787.400	0.9990	3.37211	87.97	161.54	42639	41715	0.2129	243	243
789.400	0.9898	3.35504	42.72	78.25	41897	41439	0.2135	198	198
791.400	0.9882	3.33811	49.41	90.27	42122	41594	0.2140	193	193
793.400	0.9989	3.32130	4.71	8.59	41674	41598	0.2145	216	216
795.400	0.9844	3.30462	65.33	118.77	41853	41170	0.2151	185	185
797.400	0.9851	3.28806	62.23	112.84	42092	41436	0.2156	176	176
799.400	0.9918	3.27163	34.10	61.68	41693	41322	0.2162	202	202
801.400	0.9823	3.25532	74.80	135.57	42014	41242	0.2167	179	179
803.400	0.9716	3.23913	119.61	215.27	42329	41097	0.2172	194	194
805.400	0.9822	3.22307	74.73	134.16	41727	40954	0.2178	210	210
807.400	0.9780	3.20712	92.43	165.52	41784	40834	0.2183	164	164
809.400	0.9745	3.19129	107.28	191.66	42214	41108	0.2189	204	204
811.400	0.9692	3.17558	129.85	231.39	41598	40268	0.2194	178	178
813.400	0.9677	3.15998	138.44	242.54	41865	40402	0.2199	190	190
815.400	0.9816	3.14450	76.96	136.46	41698	40903	0.2205	195	195
817.400	0.9930	3.12913	29.02	51.34	41394	41077	0.2210	193	193
819.400	0.9821	3.11387	74.91	132.19	41556	40783	0.2216	206	206
821.400	0.9665	3.09873	141.38	248.87	41830	40400	0.2221	219	219
823.400	0.9767	3.08369	98.04	172.16	41413	40417	0.2226	182	182
825.400	0.9656	3.06876	145.29	254.51	41829	40362	0.2232	195	195
827.400	0.9732	3.05395	112.72	196.99	41303	40245	0.2237	231	231
829.400	0.9758	3.03924	101.78	177.44	41505	40471	0.2243	188	188
831.400	0.9559	3.02463	187.28	325.71	41854	39979	0.2248	216	216
833.400	0.9529	3.01013	200.15	347.26	41513	39531	0.2254	200	200
835.400	0.9607	2.99574	166.43	288.06	41544	39883	0.2259	176	176
837.400	0.9558	2.98144	187.65	324.01	41868	39989	0.2264	213	213
839.400	0.9497	2.96725	214.19	368.95	41528	39411	0.2270	182	182

DELAY	THANS.	ENERGY	X*SEC	X*SEC RUOT E	COUNTS OPEN SAMPLE	PHAC, OF OCT	FAST OPEN	BKGS SAMPLE	NO, PTS AVE.
841.400	0,9516	2,95316	205,81	353,69	41121 39104	0,2275	183	183	2
843.400	0,9420	2,93917	248,25	425,61	41409 38977	0,2281	179	179	2
845.400	0,9270	2,92528	314,71	536,27	41374 38326	0,2286	196	196	2
847.400	0,9108	2,91149	388,12	662,25	41934 38165	0,2291	183	183	2
849.400	0,9075	2,89780	402,86	685,79	41991 38081	0,2297	177	177	2
851.400	0,9075	2,88420	402,86	684,17	41370 37518	0,2302	188	188	2
853.400	0,8971	2,87070	450,68	763,58	41121 36865	0,2308	187	187	2
855.400	0,8822	2,85729	520,36	879,60	41367 36468	0,2313	207	207	2
857.400	0,8546	2,84397	652,23	1099,92	41549 35484	0,2318	184	184	2
859.400	0,8315	2,83075	766,13	1289,01	41204 34236	0,2324	220	220	2
861.400	0,7857	2,81762	1001,12	1680,46	41503 32587	0,2329	169	169	2
863.400	0,7494	2,80458	1197,87	2006,05	41161 30823	0,2335	178	178	2
865.400	0,6859	2,79164	1565,17	2615,12	41292 28304	0,2340	172	172	2
867.400	0,5955	2,77878	2152,01	3587,32	41470 24679	0,2345	149	149	2
869.400	0,4838	2,76601	3014,78	5013,98	41508 20067	0,2351	172	172	2
871.400	0,3536	2,75332	4316,33	7182,15	41113 14527	0,2356	187	187	2
873.400	0,2349	2,74073	6013,69	9955,76	41173 9666	0,2362	154	154	2
875.400	0,1388	2,72822	8198,07	13541,01	41118 5704	0,2367	171	171	2
877.400	0,0755	2,71580	10726,98	17677,72	40900 3085	0,2372	193	193	2
879.400	0,0424	2,70346	13119,58	21571,46	41159 1745	0,2378	210	210	2
881.400	0,0265	2,69120	15077,26	24734,07	40973 1084	0,2383	193	193	2
883.400	0,0194	2,67903	16362,50	26781,73	40820 792	0,2389	153	153	2
885.400	0,0167	2,66694	16980,76	27730,90	41178 688	0,2394	198	198	2
887.400	0,0245	2,65493	15406,87	25103,91	41054 1003	0,2400	193	193	2
889.400	0,0561	2,64301	11958,67	19441,61	40892 2293	0,2405	169	169	2
891.400	0,1249	2,63116	8635,87	14008,12	41007 5119	0,2410	171	171	2
893.400	0,2247	2,61939	6199,60	10033,76	40967 9197	0,2416	194	194	2
895.400	0,3522	2,60770	4332,65	6996,54	40911 14399	0,2421	189	189	2
897.400	0,4729	2,59609	3109,12	5009,54	40808 19285	0,2427	185	185	2
899.400	0,5722	2,58456	2317,85	3726,31	40986 23436	0,2432	166	166	2
901.400	0,6583	2,57310	1735,71	2784,24	40972 26954	0,2437	171	171	2
903.400	0,7239	2,56172	1341,42	2147,00	41019 29673	0,2443	180	180	2
905.400	0,7812	2,55042	1025,09	1637,08	40422 31556	0,2448	183	183	2
907.400	0,8100	2,53919	875,15	1394,54	41212 33356	0,2454	154	154	2
909.400	0,8381	2,52803	733,10	1165,61	40518 33935	0,2459	163	163	2
911.400	0,8600	2,51695	626,03	953,19	40582 34877	0,2464	161	161	2
913.400	0,8936	2,50594	467,10	739,42	40184 35883	0,2470	170	170	2
915.400	0,9012	2,49500	432,09	682,51	40185 36188	0,2475	153	153	2
917.400	0,9019	2,48413	428,59	675,50	40815 36786	0,2481	175	175	2
919.400	0,9056	2,47334	411,49	647,15	40888 37003	0,2486	166	166	2
921.400	0,9274	2,46261	312,77	490,82	40411 37452	0,2491	146	146	2
923.400	0,9287	2,45196	307,22	481,07	40438 37527	0,2497	148	148	2
925.400	0,9373	2,44137	269,06	420,40	40774 36188	0,2502	131	131	2
927.400	0,9464	2,43085	228,74	356,63	40638 38432	0,2508	126	126	2
929.400	0,9423	2,42040	246,78	383,93	40861 38476	0,2513	140	140	2
931.400	0,9660	2,41002	143,67	223,03	40170 38776	0,2519	172	172	2
933.400	0,9619	2,39970	161,45	250,10	40502 36930	0,2524	154	154	2
935.400	0,9632	2,38945	155,73	240,73	40429 38913	0,2529	124	124	2
937.400	0,9599	2,37926	169,83	261,96	40463 38813	0,2535	165	165	2
939.400	0,9636	2,36914	154,04	237,10	40321 38825	0,2540	132	132	2
941.400	0,9713	2,35909	121,04	185,91	40238 39053	0,2546	181	181	2
943.400	0,9552	2,34910	190,52	292,01	40688 38836	0,2551	182	182	2
945.400	0,9812	2,33917	78,78	120,50	40108 39326	0,2556	135	135	2
947.400	0,9588	2,32930	174,88	266,90	40549 38839	0,2562	141	141	2
949.400	0,9748	2,31950	106,07	161,55	40615 39562	0,2567	130	130	2
951.400	0,9703	2,30976	125,11	190,15	40146 36927	0,2573	129	129	2
953.400	0,9712	2,30008	121,21	183,83	40520 39326	0,2578	152	152	2
955.400	0,9536	2,29046	197,08	298,26	40804 38885	0,2583	140	140	2
957.400	0,9741	2,28090	109,13	164,81	40229 39158	0,2589	120	120	2
959.400	0,9606	2,27140	167,02	231,72	40535 36908	0,2594	147	147	2
961.400	0,9755	2,26196	102,95	154,83	40317 39302	0,2600	137	137	2
963.400	0,9682	2,25258	134,06	201,21	40034 38734	0,2605	149	149	2
965.400	0,9690	2,24325	130,87	196,01	40312 39227	0,2610	161	161	2
967.400	0,9933	2,23399	27,71	41,42	39784 39491	0,2616	146	146	2
969.400	0,9761	2,22478	100,42	149,79	40109 39123	0,2621	135	135	2
971.400	0,9858	2,21563	59,59	88,70	40041 39442	0,2627	165	165	2
973.400	0,9853	2,20653	61,34	91,12	39961 39346	0,2632	122	122	2
975.400	0,9819	2,19749	75,99	112,64	40232 39474	0,2637	111	111	2
977.400	0,9839	2,18851	67,52	99,89	39923 39251	0,2643	123	123	2
979.400	0,9865	2,17958	56,28	83,09	40132 39563	0,2648	130	130	2
981.400	0,9755	2,17070	103,15	151,98	40358 39340	0,2654	140	140	2
983.400	0,9778	2,16188	93,37	157,28	40148 39227	0,2659	138	138	2
985.400	0,9829	2,15312	71,59	105,05	39606 38901	0,2665	149	149	2
987.400	0,9791	2,14440	87,72	128,46	40085 39218	0,2670	140	140	2
989.400	0,9981	2,13574	7,99	11,68	39419 39315	0,2675	106	106	2
991.400	0,9759	2,12713	101,19	147,58	40074 39081	0,2681	114	114	2
993.400	0,9897	2,11858	43,19	62,86	39771 39331	0,2686	110	110	2
995.400	0,9973	2,11007	11,39	16,54	39635 39498	0,2692	142	142	2
997.400	0,9888	2,10162	46,83	67,89	39796 39321	0,2697	130	130	2
999.400	0,9915	2,09322	35,33	21,12	39654 39290	0,2702	116	116	2

DELAY	TRANS.	ENERGY	X=SEC	X=SEC	COUNTS	FRAC.	FAST BKGS	NO. PTS
				K001 E	OPEN SAMPLE	OF OCT	OPEN SAMPLE	AVE,
1001.400	0.9959	2.08486	17.03	24.59	39595	39404	0.2708	116
1003.400	1.0028	2.07656	-11.74	-16.92	39352	39435	0.2713	131
1005.400	0.9811	2.06831	79.11	113.78	40020	39237	0.2719	112
1007.400	0.9907	2.06010	38.74	55.60	39877	39478	0.2724	122
1009.400	1.0001	2.05195	-0.34	-0.48	39429	39404	0.2729	120
1011.400	0.9964	2.04384	14.83	21.20	39874	39504	0.2735	145
1013.400	0.9871	2.03578	54.09	77.17	39623	39082	0.2740	112
1015.400	0.9868	2.02777	55.00	78.32	39666	39116	0.2746	119
1017.400	0.9995	2.01980	2.01	2.86	39615	39568	0.2751	130
1019.400	0.9918	2.01189	34.09	48.36	39499	39148	0.2756	95
1021.400	0.9706	2.00401	123.92	175.43	39941	38738	0.2762	117
1023.400	0.9938	1.99619	25.70	36.32	39409	39138	0.2767	85
1025.400	0.9790	1.98841	88.25	124.44	39703	38840	0.2773	114
1027.400	0.9834	1.98068	69.44	97.73	39661	38975	0.2778	117
1029.400	0.9801	1.97299	83.62	117.45	39590	38733	0.2783	119
1031.400	0.9811	1.96534	79.40	111.31	39367	38594	0.2789	113
1033.400	0.9826	1.95774	72.90	102.00	39564	38847	0.2794	101
1035.400	0.9843	1.95019	65.65	91.67	39760	39108	0.2800	102
1037.400	0.9998	1.94267	17.59	24.52	39048	38855	0.2805	129
1039.400	0.9917	1.93521	34.57	48.09	39157	38804	0.2811	84
1041.400	0.9876	1.92778	51.96	72.15	39139	38624	0.2816	93
1043.400	0.9869	1.92040	54.70	75.92	39441	38896	0.2821	112
1045.400	0.9926	1.91306	30.66	42.41	39087	38772	0.2827	93
1047.400	0.9955	1.90576	18.62	25.71	39296	39094	0.2832	101
1049.400	0.9847	1.89850	63.83	87.95	39273	38646	0.2838	107
1051.400	1.0027	1.89128	-11.25	-15.47	38762	38839	0.2843	101
1053.400	0.9864	1.88411	56.80	77.96	39073	38514	0.2848	107
1055.400	0.9817	1.87697	76.75	105.15	39263	38516	0.2854	98
1057.400	0.9994	1.86988	2.60	3.55	38636	38786	0.2859	88
1059.400	1.0000	1.86283	-0.11	-0.14	38672	38645	0.2865	78
1061.400	0.9899	1.85581	41.94	57.14	39123	38701	0.2870	107
1063.400	0.9832	1.84884	70.52	95.88	39476	38605	0.2875	89
1065.400	0.9877	1.84190	51.27	69.59	39103	38595	0.2881	99
1067.400	0.9972	1.83501	11.46	15.53	38737	38602	0.2886	117
1069.400	1.0014	1.82815	-5.84	-7.90	38638	38664	0.2892	117
1071.400	0.9932	1.82133	28.36	38.28	38662	38569	0.2897	90
1073.400	1.0005	1.81455	-1.89	-2.55	38700	38690	0.2902	84
1075.400	1.0003	1.80781	-1.18	-1.59	38816	38799	0.2908	116
1077.400	0.9902	1.80110	83.07	111.49	38872	38075	0.2913	98
1079.400	0.9966	1.79443	14.03	18.80	38716	38557	0.2919	85
1081.400	0.9765	1.78780	98.74	132.02	38913	37971	0.2924	100
1083.400	0.9873	1.78121	52.87	70.57	39036	38517	0.2930	79
1085.400	0.9804	1.77465	82.27	109.59	39008	38215	0.2935	92
1087.400	0.9952	1.76813	19.96	26.54	38912	38698	0.2940	93
1089.400	1.0005	1.76164	-2.23	-2.96	38786	38772	0.2946	79
1091.400	0.9857	1.75519	59.95	79.43	38657	38075	0.2951	106
1093.400	0.9916	1.74878	34.87	46.11	38800	38458	0.2957	95
1095.400	0.9908	1.74240	38.36	50.63	38572	38190	0.2962	75
1097.400	0.9940	1.73605	25.17	33.16	38609	38348	0.2967	92
1099.400	0.9989	1.72974	4.53	5.95	38335	38265	0.2973	107
1101.400	0.9988	1.72346	5.01	6.58	38379	38305	0.2978	102
1103.400	0.9887	1.71722	47.11	61.74	38413	37952	0.2984	112
1105.400	0.9957	1.71181	17.03	23.33	38288	38096	0.2989	100
1107.400	1.0049	1.70484	-20.11	-26.26	38128	38286	0.2994	81
1109.400	0.9921	1.69870	32.99	42.99	38217	37887	0.3000	85
1111.400	0.9913	1.69259	36.44	47.41	38467	38103	0.3005	77
1113.400	0.9900	1.68651	41.63	54.07	38432	38021	0.3011	75
1115.400	0.9949	1.68047	21.07	27.31	38223	38002	0.3016	63
1117.400	0.9956	1.67446	18.19	23.54	38039	37845	0.3021	75
1119.400	0.9915	1.66848	35.42	45.75	38398	38044	0.3027	78
1121.400	0.9993	1.66254	2.80	3.61	37943	37890	0.3032	79
1123.400	0.9874	1.65662	52.66	67.78	38446	37933	0.3038	77
1125.400	0.9984	1.65074	6.63	8.51	37972	37884	0.3043	88
1127.400	1.0010	1.64489	-4.24	-5.44	37987	37998	0.3048	69
1129.400	0.9950	1.63907	20.84	26.68	38039	37821	0.3054	101
1131.400	0.9960	1.63328	16.72	21.37	38278	38097	0.3059	73
1133.400	0.9949	1.62752	21.36	27.25	38233	38009	0.3065	69
1135.400	0.9969	1.62179	13.09	16.67	38001	37854	0.3070	65
1137.400	0.9904	1.61609	40.24	51.15	38159	37763	0.3076	70
1139.400	0.9929	1.61042	29.69	37.68	37827	37530	0.3081	67
1141.400	0.9974	1.60478	10.76	13.64	37816	37691	0.3086	92
1143.400	0.9978	1.59918	9.28	11.73	37691	37580	0.3092	77
1145.400	0.9996	1.59360	1.56	1.97	37731	37689	0.3097	106
1147.400	0.9914	1.58805	35.78	45.08	38022	37668	0.3103	81
1149.400	0.9958	1.58252	17.43	21.93	37662	37477	0.3108	78
1151.400	0.9979	1.57703	8.78	11.03	37817	37709	0.3113	75
1153.400	0.9894	1.57157	44.40	55.67	38014	37582	0.3119	69
1155.400	0.9905	1.56613	39.54	49.48	37893	37506	0.3124	69
1157.400	0.9904	1.56072	39.97	49.93	37895	37108	0.3130	84
1159.400	0.9886	1.55534	47.71	59.50	37818	37358	0.3135	82

DELAY	TRANS.	ENERGY	X-SEC	X-SEC H001 E	COUNTS OPEN SAMPLE	FRAC, OF OCT	FAST OPEN	HKGS SAMPLE	NO. PTS AVE,
1161.400	0.9949	1.54999	21.32	26.55	37763 37542	0.3140	82	82	2
1163.400	0.9918	1.54467	34.28	42.60	37554 37218	0.3146	79	79	2
1165.400	0.9895	1.53937	43.79	54.33	37727 37304	0.3151	95	95	2
1167.400	1.0047	1.53410	19.64	24.33	36910 37058	0.3157	76	76	2
1169.400	0.9897	1.52886	43.08	53.27	37608 37193	0.3162	116	116	2
1171.400	1.0141	1.52364	58.08	71.69	37072 37567	0.3167	81	81	2
1173.400	0.9980	1.51845	8.34	10.28	37175 37073	0.3173	78	78	2
1175.400	0.9963	1.51329	15.54	19.11	37561 37413	0.3178	78	78	2
1177.400	0.9927	1.50815	30.55	37.52	37181 36881	0.3184	95	95	2
1179.400	0.9945	1.50304	23.03	28.24	37456 37221	0.3189	87	87	2
1181.400	1.0035	1.49795	14.31	17.52	37403 37504	0.3195	64	64	2
1183.400	0.9830	1.49290	71.35	87.18	37475 36810	0.3200	82	82	2
1185.400	0.9951	1.48786	20.57	25.08	37218 37006	0.3205	78	78	2
1187.400	0.9790	1.48285	88.25	107.46	37652 36833	0.3211	67	67	2
1189.400	0.9928	1.47787	29.82	36.26	37300 37005	0.3216	73	73	2
1191.400	1.0020	1.47291	8.28	10.05	37101 37148	0.3222	67	67	2
1193.400	0.9902	1.46798	40.86	49.51	37428 37033	0.3227	47	47	2
1195.400	1.0038	1.46307	15.64	18.92	36926 37037	0.3232	79	79	2
1197.400	0.9987	1.45819	5.32	6.43	36763 36689	0.3238	75	75	2
1199.400	0.9896	1.45333	43.48	52.41	37232 36816	0.3243	72	72	2
1201.400	0.9984	1.44850	6.63	7.98	37002 36915	0.3249	75	75	2
1203.400	0.9871	1.44369	54.11	65.01	37118 36609	0.3254	69	69	2
1205.400	0.9880	1.43890	50.02	60.00	37283 36808	0.3259	71	71	2
1207.400	0.9842	1.43414	66.09	79.15	37492 36872	0.3265	82	82	2
1209.400	0.9955	1.42940	18.74	22.40	36809 36615	0.3270	82	82	2
1211.400	0.9889	1.42468	46.35	55.32	37103 36663	0.3276	93	93	2
1213.400	0.9945	1.41999	22.78	27.15	37029 36799	0.3281	64	64	2
1215.400	0.9819	1.41532	75.66	90.01	36864 36171	0.3286	67	67	2
1217.400	0.9960	1.41067	16.52	19.62	36768 36594	0.3292	106	106	2
1219.400	1.0037	1.40605	15.33	18.18	36751 36859	0.3297	102	102	2
1221.400	0.9901	1.40145	41.15	48.72	36951 36559	0.3303	81	81	2
1223.400	1.0065	1.39687	26.88	31.76	36368 36576	0.3308	63	63	2
1225.400	0.9937	1.39231	26.36	31.10	36703 36442	0.3313	84	84	2
1227.400	1.0064	1.38778	26.36	31.05	36464 36667	0.3319	49	49	2
1229.400	0.9919	1.38327	33.90	39.87	36801 36275	0.3324	53	53	2
1231.400	0.9962	1.37878	15.61	18.33	36710 36543	0.3330	64	64	2
1233.400	0.9945	1.37431	23.05	27.02	36689 36456	0.3335	61	61	2
1235.400	0.9869	1.36986	54.88	64.23	36461 35953	0.3341	76	76	2
1237.400	1.0034	1.36544	14.25	16.65	36337 36431	0.3346	73	73	2
1239.400	0.9976	1.36104	10.14	11.83	36337 36417	0.3351	87	87	2
1241.400	0.9898	1.35665	42.45	49.45	36386 35965	0.3357	77	77	2
1243.400	0.9855	1.35229	60.77	70.66	36490 35929	0.3362	83	83	2
1245.400	0.9874	1.34795	52.60	61.06	36414 35924	0.3368	81	81	2
1247.400	0.9855	1.34363	60.77	70.44	36420 35858	0.3373	70	70	2
1249.400	0.9921	1.33934	32.77	37.92	36308 35989	0.3378	64	64	2
1251.400	0.9795	1.33506	85.87	99.21	36646 35862	0.3384	83	83	2
1253.400	0.9903	1.33080	40.53	46.75	36593 36203	0.3389	55	55	2
1255.400	0.9954	1.32656	19.35	22.28	36163 35959	0.3395	76	76	2
1257.400	0.9931	1.32235	28.68	32.98	35913 35629	0.3400	81	81	2
1259.400	0.9829	1.31815	71.77	82.40	36368 35706	0.3405	51	51	2
1261.400	0.9928	1.31397	29.98	34.36	36101 35801	0.3411	84	84	2
1263.400	0.9918	1.30982	34.35	39.31	36239 35899	0.3416	76	76	2
1265.400	1.0067	1.30568	27.61	31.55	35839 36035	0.3422	66	66	2
1267.400	1.0051	1.30156	21.03	25.99	35748 35884	0.3427	66	66	2
1269.400	0.9947	1.29746	22.00	25.06	35883 35646	0.3432	63	63	2
1271.400	0.9907	1.29339	38.96	44.31	35843 35459	0.3438	79	79	2
1273.400	1.0057	1.28933	23.79	27.01	35803 35815	0.3443	75	75	2
1275.400	1.0071	1.28529	29.35	35.28	35693 35890	0.3449	60	60	2
1277.400	0.9906	1.28126	39.16	44.33	36061 35663	0.3454	45	45	2
1279.400	0.9914	1.27726	36.07	40.76	35960 35588	0.3459	81	81	2
1281.400	1.0022	1.27328	9.26	10.45	35694 35713	0.3465	82	82	2
1283.400	1.0009	1.26931	3.75	4.23	35896 35867	0.3470	72	72	2
1285.400	1.0043	1.26537	17.89	20.12	35537 35629	0.3476	77	77	2
1287.400	0.9904	1.26144	39.94	44.85	35671 35467	0.3481	77	77	2
1289.400	1.0090	1.25753	37.10	41.60	35556 35815	0.3487	47	47	2
1291.400	0.9969	1.25363	12.95	14.50	35575 35408	0.3492	59	59	2
1293.400	0.9968	1.24976	13.27	14.83	35477 35311	0.3497	81	81	2
1295.400	0.9968	1.24590	13.34	14.90	35588 35423	0.3503	55	55	2
1297.400	0.9908	1.24207	38.21	42.58	35500 35126	0.3508	79	79	2
1299.400	1.0045	1.23825	18.69	20.79	35342 35453	0.3514	70	70	2
1301.400	1.0002	1.23444	0.66	0.74	35309 35269	0.3519	81	81	2
1303.400	0.9873	1.23066	52.88	58.66	35438 34944	0.3524	49	49	2
1305.400	0.9937	1.22689	26.16	28.98	35363 35097	0.3530	64	64	2
1307.400	0.9829	1.22314	71.78	79.39	35559 34907	0.3535	65	65	2
1309.400	1.0014	1.21940	5.98	6.60	35267 35296	0.3541	89	89	2
1311.400	0.9911	1.21569	36.94	40.72	35485 35129	0.3546	41	41	2
1313.400	0.9998	1.21199	0.88	0.97	34998 34950	0.3551	82	82	2
1315.400	1.0078	1.20831	32.37	35.58	34979 35212	0.3557	58	58	2
1317.400	0.9924	1.20464	31.55	34.63	35283 34978	0.3562	67	67	2
1319.400	0.9920	1.20099	33.29	36.49	35241 34920	0.3568	64	64	2

TRANS.	ENERGY	X-SEC	X-SEC	COUNTS	FRAC,	FAST	BKGS	NO.	PTS
			ROUTE	OPEN	SAMPLE	OF OCT	OPEN	SAMPLE	AVE.
0.9794	1.19736	86.40	94.54	35279	34806	0.3573	63	63	2
1.0043	1.19374	-17.63	-19.26	35290	35399	0.3578	87	87	2
1.0030	1.19014	-12.40	-13.52	35052	35115	0.3584	63	63	2
1.0102	1.18656	-42.10	-45.85	34864	35177	0.3589	87	87	2
0.9880	1.18299	50.05	54.44	35381	34916	0.3595	66	66	2
0.9890	1.17944	45.77	49.71	34936	34511	0.3600	61	61	2
1.0039	1.17590	-16.18	-17.54	34954	35047	0.3606	88	88	2
0.9896	1.17238	43.53	47.14	34904	34496	0.3611	71	71	2
0.9810	1.16888	79.67	86.14	35105	34451	0.3616	73	73	2
0.9865	1.16539	56.46	60.95	35010	34490	0.3622	60	60	2
0.9956	1.16192	18.25	19.67	34530	34331	0.3627	45	45	2
0.9940	1.15846	24.92	26.82	34591	34334	0.3633	65	65	2
0.9885	1.15502	47.82	51.39	34749	34299	0.3638	70	70	2
1.0024	1.15159	-9.75	-10.46	34654	34680	0.3643	52	52	2
1.0057	1.14818	-23.74	-25.44	34355	34494	0.3649	69	69	2
0.9894	1.14479	44.17	47.26	34736	34308	0.3654	55	55	2
0.9933	1.14141	27.89	29.80	34572	34276	0.3660	67	67	2
1.0118	1.13804	-48.66	-51.91	34375	34712	0.3665	71	71	2
1.0045	1.13469	-18.64	-19.85	34322	34404	0.3670	66	66	2
1.0028	1.13135	-11.75	-12.49	34391	34412	0.3676	64	64	2
0.9922	1.12803	32.50	34.52	34485	34134	0.3681	70	70	2
0.9980	1.12472	8.48	9.00	34304	34145	0.3687	49	49	2
0.9877	1.12143	51.29	54.32	34615	34094	0.3692	82	82	2
0.9934	1.11815	27.42	28.99	34186	33859	0.3697	36	36	2
0.9963	1.11489	15.31	16.17	34116	33879	0.3703	87	87	2
0.9869	1.11164	54.80	57.78	34364	33793	0.3708	90	90	2
1.0003	1.10840	-1.38	-1.45	34214	34094	0.3714	85	85	2
1.0080	1.10518	-32.94	-34.63	33794	33970	0.3719	75	75	2
1.0045	1.10198	-18.66	-19.59	33793	33790	0.3724	48	48	2
1.0100	1.09878	-41.39	-43.38	33549	33717	0.3730	89	89	2
1.0010	1.09560	-4.30	-4.50	33996	33849	0.3735	46	46	2
0.9923	1.09244	31.98	33.43	34109	33652	0.3741	57	57	2
1.0012	1.08929	-4.94	-5.16	33591	33720	0.3746	54	54	2
0.9898	1.08615	42.65	44.45	33961	33389	0.3752	47	47	2
1.0048	1.08302	-19.78	-20.58	33843	33759	0.3757	76	76	2
0.9979	1.07991	8.90	9.25	33861	33347	0.3762	47	47	2
0.9986	1.07681	5.62	5.83	33787	33466	0.3768	60	60	2
0.9858	1.07373	59.17	61.32	33858	33096	0.3773	73	73	2
0.9992	1.07066	3.44	3.56	33627	33301	0.3779	61	61	2
1.0108	1.06760	-44.57	-46.05	33315	33364	0.3784	65	65	2
1.0009	1.06456	-3.61	-3.73	33472	33178	0.3789	78	78	2
0.9894	1.06152	44.19	45.53	33561	32872	0.3795	47	47	2
0.9895	1.05850	43.98	45.25	33700	33005	0.3800	60	60	2
0.9941	1.05550	24.60	25.27	33514	32900	0.3806	42	42	2
1.0066	1.05250	-27.12	-27.82	33157	33042	0.3811	76	76	2
0.9909	1.04952	37.77	38.69	33551	32919	0.3816	40	40	2
0.9971	1.04656	12.00	12.28	33150	32732	0.3822	63	63	2
0.9852	1.04360	61.74	63.07	33558	32725	0.3827	57	57	2
1.0040	1.04066	-16.61	-16.95	33386	33176	0.3833	60	60	2
0.9821	1.03773	74.99	76.39	33599	32796	0.3838	76	76	2
0.9922	1.03401	32.30	33.71	33529	32985	0.3843	73	73	2
1.0011	1.03190	-4.50	-4.57	33139	32909	0.3849	57	57	2
0.9974	1.02901	10.88	11.03	33137	32795	0.3854	61	61	2
0.9961	1.02613	16.04	16.25	33085	32722	0.3860	81	81	2
1.0006	1.02326	-2.59	-2.62	33273	33070	0.3865	32	32	2
0.9926	1.02040	30.78	31.09	33082	32629	0.3871	76	76	2
0.9796	1.01755	85.67	86.42	33287	32415	0.3876	60	60	2
1.0075	1.01472	-31.15	-31.38	32862	32930	0.3881	41	41	2
0.9885	1.01190	48.09	48.37	33097	32552	0.3887	65	65	2
0.9914	1.00909	35.84	36.00	32879	32445	0.3892	70	70	2
1.0000	1.00629	-0.19	-0.19	32956	32816	0.3898	58	58	2
0.9976	1.00350	10.06	10.07	32773	32564	0.3903	53	53	2
0.9958	1.00073	17.44	17.44	32927	32668	0.3908	78	78	2
0.9981	0.99797	8.01	8.00	32632	32457	0.3914	64	64	2
1.0042	0.99521	-17.54	-17.49	32623	32657	0.3919	63	63	2
0.9817	0.99247	76.69	76.40	32836	32149	0.3925	78	78	2
0.9974	0.98974	10.80	10.74	32563	32389	0.3930	63	63	2
0.9946	0.98702	22.63	22.49	32539	32279	0.3935	61	61	2
0.9950	0.98432	20.62	20.46	32700	32460	0.3941	55	55	2
1.0002	0.98162	-1.00	-0.99	32490	32425	0.3946	65	65	2
1.0246	0.97894	-100.91	-99.84	32006	32724	0.3952	67	67	2
1.0078	0.97626	-32.45	-32.06	32213	32401	0.3957	66	66	2
0.9890	0.97360	45.88	45.27	32069	32248	0.3962	63	63	2
1.0077	0.97095	-31.73	-31.27	32111	32299	0.3968	65	65	2
0.9921	0.96831	32.88	32.36	32226	31916	0.3973	76	76	2
0.9867	0.96568	55.52	54.56	32295	31813	0.3979	58	58	2
0.9987	0.96306	5.39	5.29	32271	32178	0.3984	42	42	2
0.9857	0.96045	59.84	58.65	32430	31917	0.3989	47	47	2
0.9918	0.95785	34.22	33.49	32326	32014	0.3995	53	53	2
0.9921	0.95526	33.04	32.30	32019	31720	0.4000	76	76	2

DELAY	TRANS.	ENERGY	X-SEC	A-SEC K001 E	COUNTS OPEN SAMPLE	FRAC. OF UC1	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
1481.400	1.0180	0.95268	-73.89	-72.12	31367 31900	0.4006	82	82	2
1483.400	0.9862	0.95011	57.90	56.44	32136 31049	0.4011	77	77	2
1485.400	1.0059	0.94756	-24.56	-23.91	31961 32108	0.4017	54	54	2
1487.400	0.9950	0.94501	20.83	20.25	31956 31756	0.4022	51	51	2
1489.400	0.9857	0.94248	59.79	58.05	32419 31915	0.4027	41	41	2
1491.400	0.9960	0.93995	16.76	16.25	32116 31948	0.4033	70	70	2
1493.400	0.9870	0.93743	54.24	52.51	31955 31502	0.4038	75	75	2
1495.400	1.0122	0.93493	-50.30	-48.63	31332 31677	0.4044	81	81	2
1497.400	0.9999	0.93243	0.24	0.23	31718 31080	0.4049	71	71	2
1499.400	1.0026	0.92995	-10.63	-10.45	31546 31595	0.4054	54	54	2
1501.400	0.9982	0.92747	7.47	7.19	31092 31600	0.4060	47	47	2
1503.400	1.0075	0.92500	-30.93	-29.74	31461 31662	0.4065	71	71	2
1505.400	0.9841	0.92255	66.53	63.91	31923 31381	0.4071	61	61	2
1507.400	1.0115	0.92010	-47.61	-45.67	31426 31755	0.4076	71	71	2
1509.400	0.9911	0.91766	36.99	35.43	31508 31196	0.4081	66	66	2
1511.400	0.9971	0.91524	12.15	11.62	31467 31342	0.4087	73	73	2
1513.400	0.9967	0.91282	13.72	13.10	31409 31273	0.4092	59	59	2
1515.400	0.9963	0.91041	15.53	14.82	31341 31192	0.4098	87	87	2
1517.400	0.9902	0.90801	40.85	38.93	31278 31941	0.4103	65	65	2
1519.400	0.9934	0.90562	27.47	26.14	31557 31318	0.4108	71	71	2
1521.400	0.9968	0.90325	13.14	12.49	31192 31063	0.4114	64	64	2
1523.400	0.9942	0.90088	24.25	23.02	31182 30971	0.4119	79	79	2
1525.400	0.9987	0.89851	5.58	5.29	31136 31064	0.4125	58	58	2
1527.400	0.9994	0.89616	2.51	2.37	31058 31009	0.4130	81	81	2
1529.400	0.9933	0.89382	27.99	26.46	31052 30814	0.4135	55	55	2
1531.400	0.9777	0.89149	93.63	88.41	31965 30637	0.4141	55	55	2
1533.400	0.9980	0.88916	8.35	7.87	30928 30837	0.4146	28	28	2
1535.400	0.9990	0.88685	4.00	3.77	30902 30844	0.4152	82	82	2
1537.400	0.9828	0.88454	71.90	67.62	31250 30685	0.4157	66	66	2
1539.400	1.0049	0.88225	-20.13	-18.91	30864 31785	0.4163	73	73	2
1541.400	0.9943	0.87996	23.94	22.46	30855 30650	0.4168	37	37	2
1543.400	1.0041	0.87768	-16.79	-15.73	30843 30739	0.4173	52	52	2
1545.400	0.9806	0.87541	81.45	76.21	31148 30516	0.4179	75	75	2
1547.400	0.9932	0.87315	28.31	26.46	30757 30521	0.4184	60	60	2
1549.400	0.9993	0.87089	2.74	2.55	30526 30479	0.4190	69	69	2
1551.400	0.9933	0.86865	27.91	26.02	30500 30269	0.4195	51	51	2
1553.400	1.0042	0.86641	-17.57	-16.35	30498 30601	0.4200	61	61	2
1555.400	0.9947	0.86419	22.18	20.61	30625 30435	0.4206	53	53	2
1557.400	0.9849	0.86197	63.09	58.58	30844 30155	0.4211	58	58	2
1559.400	1.0021	0.85976	-8.81	-8.16	30376 30414	0.4217	71	71	2
1561.400	0.9934	0.85756	27.60	25.56	30315 30267	0.4222	71	71	2
1563.400	0.9977	0.85537	9.44	8.73	30267 30175	0.4227	67	67	2
1565.400	1.0008	0.85318	-3.26	-3.01	30077 30075	0.4233	52	52	2
1567.400	0.9907	0.85101	38.98	35.96	30283 29975	0.4238	63	63	2
1569.400	1.0013	0.84884	-5.42	-5.19	30124 30138	0.4244	51	51	2
1571.400	1.0067	0.84668	-27.67	-25.46	30096 30272	0.4249	65	65	2
1573.400	0.9877	0.84453	51.24	47.09	30225 29829	0.4254	70	70	2
1575.400	1.0087	0.84239	-35.85	-32.91	30166 30402	0.4260	55	55	2
1577.400	0.9921	0.84025	33.00	30.25	30227 29963	0.4265	61	61	2
1579.400	0.9905	0.83812	39.48	36.15	29993 29685	0.4271	65	65	2
1581.400	0.9858	0.83601	59.57	54.47	29931 29480	0.4276	61	61	2
1583.400	0.9822	0.83389	74.68	68.19	30064 29503	0.4282	54	54	2
1585.400	0.9917	0.83179	34.79	31.73	29790 29517	0.4287	69	69	2
1587.400	1.0049	0.82970	-20.42	-18.60	29645 29767	0.4292	64	64	2
1589.400	0.9942	0.82761	24.16	21.98	29906 29709	0.4298	69	69	2
1591.400	0.9776	0.82553	94.12	85.52	30107 29408	0.4303	65	65	2
1593.400	0.9889	0.82346	46.49	42.19	29842 29485	0.4309	65	65	2
1595.400	0.9901	0.82140	41.20	37.34	29756 29438	0.4314	66	66	2
1597.400	0.9978	0.81934	9.25	8.37	29740 29650	0.4319	61	61	2
1599.400	0.9922	0.81729	32.57	29.45	29253 29000	0.4325	60	60	2
1601.400	0.9961	0.81525	16.25	14.68	29400 29262	0.4330	55	55	2
1603.400	0.9969	0.81322	12.83	11.57	29369 29254	0.4336	59	59	2
1605.400	0.9921	0.81120	32.91	29.64	29237 28983	0.4341	75	75	2
1607.400	0.9954	0.80918	18.94	17.03	29347 29190	0.4346	65	65	2
1609.400	0.9808	0.80717	80.43	72.26	29437 28849	0.4352	54	54	2
1611.400	0.9891	0.80517	45.30	40.65	29474 29131	0.4357	64	64	2
1613.400	1.0121	0.80317	-49.99	-44.80	28809 29134	0.4363	64	64	2
1615.400	0.9992	0.80118	3.34	2.99	28945 28899	0.4368	89	89	2
1617.400	1.0132	0.79920	-54.38	-48.61	28938 29296	0.4373	52	52	2
1619.400	1.0113	0.79723	-46.85	-41.84	28871 29176	0.4379	63	63	2
1621.400	0.9834	0.79527	69.68	62.14	29171 28662	0.4384	31	31	2
1623.400	0.9981	0.79331	7.73	6.89	28777 28700	0.4390	58	58	2
1625.400	0.9892	0.79136	45.15	40.17	29007 28670	0.4395	64	64	2
1627.400	0.9978	0.78941	9.15	8.13	28785 28699	0.4400	49	49	2
1629.400	0.9883	0.78748	48.95	43.44	29033 28671	0.4406	42	42	2
1631.400	0.9945	0.78555	22.98	20.37	28507 28327	0.4411	37	37	2
1633.400	1.0084	0.78362	-34.55	-30.59	28427 28643	0.4417	60	60	2
1635.400	0.9900	0.78171	41.73	36.90	28471 28164	0.4422	73	73	2
1637.400	0.9786	0.77980	90.03	79.50	28806 28166	0.4428	69	69	2
1639.400	0.9931	0.77790	37.12	32.74	28637 28360	0.4433	71	71	2

DELAY	TRANS,	ENERGY	X-SEC	X-SEC	COUNTS	FRAC,	FAST	BKGS	NO,	PTS
				ROUT E	OPEN	SAMPLE	OF OCT	OPEN	SAMPLE	AVE,
1641.400	1.0060	U,77600	=24.92	=21.95	26430	26578	U,4438	59	59	2
1643.400	0.9877	U,77412	51.48	45.29	26601	26226	U,4444	81	81	2
1645.400	1.0054	U,77224	=22.40	=19.69	26090	26220	U,4449	58	58	2
1647.400	1.0104	U,77036	=42.94	=37.69	27864	26132	U,4455	53	53	2
1649.400	0.9958	U,76849	17.35	15.21	28318	26178	U,4460	57	57	2
1651.400	1.0040	U,76663	=16.40	=14.36	28060	26149	U,4465	58	58	2
1653.400	0.9852	U,76478	61.95	59.17	28396	27953	U,4471	73	73	2
1655.400	0.9896	U,76293	43.35	37.87	28358	28041	U,4476	66	66	2
1657.400	0.9875	U,76109	52.28	45.61	28097	27724	U,4482	42	42	2
1659.400	0.9921	U,75926	33.04	28.79	28209	27964	U,4487	60	60	2
1661.400	0.9938	U,75743	26.01	22.64	28077	27880	U,4492	81	81	2
1663.400	1.0040	U,75561	=16.59	=14.43	28081	26172	U,4498	43	43	2
1665.400	0.9932	U,75380	28.50	24.75	27822	27610	U,4503	65	65	2
1667.400	0.9886	U,75199	47.51	41.20	27991	27651	U,4509	69	69	2
1669.400	0.9911	U,75019	37.01	32.06	27923	27653	U,4514	63	63	2
1671.400	0.9851	U,74840	62.35	55.94	27993	27555	U,4519	57	57	2
1673.400	0.9867	U,74661	55.63	48.07	27766	27376	U,4525	51	51	2
1675.400	0.9925	U,74483	31.14	28.87	27730	27501	U,4530	51	51	2
1677.400	0.9967	U,74305	13.81	11.90	27537	27424	U,4536	70	70	2
1679.400	0.9968	U,74128	13.51	11.63	27344	27234	U,4541	64	64	2
1681.400	0.9934	U,73952	27.35	23.52	27491	27289	U,4547	72	72	2
1683.400	1.0034	U,73776	=14.04	=11.91	27004	27075	U,4552	70	70	2
1685.400	1.0039	U,73601	=16.05	=13.77	27146	27230	U,4557	54	54	2
1687.400	0.9979	U,73427	8.54	7.32	27381	27303	U,4563	66	66	2
1689.400	1.0213	U,73253	=87.37	=74.78	26790	27339	U,4568	75	75	2
1691.400	0.9920	U,73080	33.19	28.37	27431	27192	U,4574	57	57	2
1693.400	0.9923	U,72908	32.22	27.51	27192	26961	U,4579	48	48	2
1695.400	1.0124	U,72736	=50.98	=43.48	26903	27214	U,4584	42	42	2
1697.400	0.9996	U,72564	1.59	1.35	27013	26982	U,4590	60	60	2
1699.400	0.9819	U,72394	75.70	64.41	27230	26710	U,4595	72	72	2
1701.400	0.9806	U,72224	81.54	69.29	27351	26798	U,4601	88	88	2
1703.400	0.9946	U,72054	22.43	19.04	26859	26694	U,4606	60	60	2
1705.400	0.9947	U,71885	21.86	18.53	26788	26607	U,4611	48	48	2
1707.400	1.0011	U,71717	=4.43	=3.75	26613	26621	U,4617	54	54	2
1709.400	0.9998	U,71549	0.82	0.69	26794	26768	U,4622	37	37	2
1711.400	0.9948	U,71382	21.52	18.18	26763	26604	U,4628	66	66	2
1713.400	0.9940	U,71216	25.02	21.12	26902	26720	U,4633	38	38	2
1715.400	0.9996	U,71050	1.55	1.30	26642	26611	U,4638	67	67	2
1717.400	0.9979	U,70884	8.53	7.18	26600	26585	U,4644	69	69	2
1719.400	0.9924	U,70719	31.54	26.53	26529	26308	U,4649	60	60	2
1721.400	0.9917	U,70555	34.51	28.99	26733	26491	U,4655	64	64	2
1723.400	1.0028	U,70392	=11.75	=9.86	26479	26534	U,4660	72	72	2
1725.400	0.9930	U,70228	29.31	24.56	26135	25931	U,4665	54	54	2
1727.400	0.9940	U,70066	25.15	21.05	26416	26237	U,4671	69	69	2
1729.400	0.9950	U,69904	20.98	17.54	26343	26190	U,4676	66	66	2
1731.400	0.9882	U,69743	49.35	41.22	26523	26190	U,4682	38	38	2
1733.400	0.9894	U,69582	44.07	36.76	26352	26054	U,4687	52	52	2
1735.400	0.9955	U,69421	18.54	15.45	26327	26189	U,4693	59	59	2
1737.400	1.0018	U,69262	=7.36	=6.13	26149	26176	U,4698	53	53	2
1739.400	0.9875	U,69102	52.36	43.52	26432	26081	U,4703	59	59	2
1741.400	0.9844	U,68944	65.42	54.32	26336	25905	U,4709	57	57	2
1743.400	0.9877	U,68786	51.31	42.56	25996	25657	U,4714	58	58	2
1745.400	0.9987	U,68628	5.46	4.52	25824	25771	U,4720	70	70	2
1747.400	0.9940	U,68471	24.98	20.67	25892	25717	U,4725	75	75	2
1749.400	0.9968	U,68315	13.16	10.88	25860	25758	U,4730	59	59	2
1751.400	1.0042	U,68159	=17.57	=14.50	25542	25630	U,4736	32	32	2
1753.400	0.9890	U,68003	46.07	37.99	25772	25468	U,4741	45	45	2
1755.400	0.9842	U,67849	66.25	54.57	25787	25359	U,4747	61	61	2
1757.400	1.0017	U,67694	=7.08	=5.83	25312	25336	U,4752	59	59	2
1759.400	1.0105	U,67540	=43.29	=35.58	25274	25519	U,4757	51	51	2
1761.400	0.9974	U,67387	10.67	8.76	25355	25270	U,4763	47	47	2
1763.400	0.9949	U,67234	21.39	17.54	25506	25355	U,4768	59	59	2
1765.400	1.0063	U,67082	=26.07	=21.35	25144	25283	U,4774	57	57	2
1767.400	1.0051	U,66930	=20.92	=17.12	25320	25428	U,4779	67	67	2
1769.400	1.0002	U,66779	=0.93	=0.76	25258	25244	U,4784	58	58	2
1771.400	0.9959	U,66628	16.89	13.79	25123	25002	U,4790	58	58	2
1773.400	1.0034	U,66478	=14.28	=11.64	25334	25401	U,4795	41	41	2
1775.400	0.9959	U,66328	17.21	14.02	25201	25078	U,4801	76	76	2
1777.400	0.9930	U,66179	29.05	23.63	25168	24973	U,4806	72	72	2
1779.400	0.9912	U,66031	36.52	29.67	25302	25061	U,4811	54	54	2
1781.400	0.9962	U,65882	15.63	12.69	24986	24873	U,4817	60	60	2
1783.400	1.0036	U,65735	=14.94	=12.12	24795	24865	U,4822	63	63	2
1785.400	0.9971	U,65588	11.94	9.67	24870	24779	U,4828	65	65	2
1787.400	0.9830	U,65441	70.99	57.43	25060	24616	U,4833	37	37	2
1789.400	0.9763	U,65295	99.78	80.63	24956	24344	U,4839	73	73	2
1791.400	0.9927	U,65149	30.60	24.70	24741	24539	U,4844	60	60	2
1793.400	1.0026	U,65004	=10.66	=8.59	24883	24626	U,4849	69	69	2
1795.400	1.0031	U,64859	=12.72	=10.24	24427	24483	U,4855	63	63	2
1797.400	0.9822	U,64715	74.43	59.88	24626	24169	U,4860	67	67	2
1799.400	0.9913	U,64571	36.14	29.04	24625	24392	U,4866	63	63	2

DELAY	TRANS.	ENERGY	X=SEC	X=SEC RUOT E	COUNTS OPEN SAMPLE	FRAC, OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE,
1801,400	0,9996	0,64428	1,52	1,22	24453 24424	0,4871	48 48	2
1803,400	0,9867	0,64285	55,41	44,42	24485 24141	0,4876	59 59	2
1805,400	0,9750	0,64142	105,12	84,19	24687 24050	0,4882	55 55	2
1807,400	0,9940	0,64001	25,00	20,00	24162 23997	0,4887	82 82	2
1809,400	1,0008	0,63859	-3,45	-2,76	24159 24159	0,4893	69 69	2
1811,400	0,9901	0,63718	41,13	32,83	24369 24108	0,4898	38 38	2
1813,400	0,9928	0,63578	29,82	23,78	24075 23883	0,4903	61 61	2
1815,400	1,0050	0,63438	-20,87	-16,62	24092 24193	0,4909	75 75	2
1817,400	0,9996	0,63298	1,51	1,20	23859 23830	0,4914	67 67	2
1819,400	1,0048	0,63159	-19,70	-15,66	24052 24145	0,4920	60 60	2
1821,400	0,9891	0,63021	45,56	36,17	23866 23585	0,4925	58 58	2
1823,400	0,9718	0,62882	118,85	94,25	23778 24281	0,4930	70 70	2
1825,400	1,0029	0,62745	-12,20	-9,66	23797 23846	0,4936	40 40	2
1827,400	0,9942	0,62607	23,95	18,95	23811 23653	0,4941	53 53	2
1829,400	0,9808	0,62471	80,65	63,74	23932 23450	0,4947	61 61	2
1831,400	0,9939	0,62334	25,47	20,11	23645 23479	0,4952	52 52	2
1833,400	0,9801	0,62198	83,38	65,76	23706 23213	0,4958	51 51	2
1835,400	0,9950	0,62063	20,82	16,40	23483 23344	0,4963	51 51	2
1837,400	0,9884	0,61928	48,62	38,26	23533 23237	0,4968	59 59	2
1839,400	0,9786	0,61793	89,96	70,72	23566 23039	0,4974	64 64	2
1841,400	1,0130	0,61659	-53,50	-42,01	23268 23547	0,4979	67 67	2
1843,400	1,0033	0,61525	-13,49	-10,58	23060 23113	0,4985	51 51	2
1845,400	0,9897	0,61392	43,03	33,71	23436 23171	0,4990	47 47	2
1847,400	1,0059	0,61259	-24,33	-19,04	23177 23290	0,4995	54 54	2
1849,400	1,0113	0,61127	-46,47	-36,33	23003 23239	0,5001	69 69	2
1851,400	0,9852	0,60995	61,73	48,21	23176 22810	0,5006	77 77	2
1853,400	1,0053	0,60863	-22,15	-17,28	22744 22841	0,5012	66 66	2
1855,400	0,9916	0,60732	34,83	27,14	23062 22845	0,5017	67 67	2
1857,400	0,9952	0,60601	20,02	15,58	22832 22698	0,5022	75 75	2
1859,400	1,0112	0,60471	-46,31	-36,01	22775 23005	0,5028	70 70	2
1861,400	0,9906	0,60341	39,17	30,42	22883 22444	0,5033	37 37	2
1863,400	0,9863	0,60212	57,11	44,32	22984 22644	0,5039	31 31	2
1865,400	0,9830	0,60083	71,16	55,16	22882 22467	0,5044	41 41	2
1867,400	1,0011	0,59954	-4,39	-3,40	22657 22654	0,5049	42 42	2
1869,400	0,9816	0,59826	77,30	59,79	22604 22160	0,5055	59 59	2
1871,400	1,0104	0,59698	-43,15	-33,34	22367 22573	0,5060	60 60	2
1873,400	1,0036	0,59571	-14,97	-11,55	22267 22319	0,5066	52 52	2
1875,400	0,9937	0,59444	26,05	20,08	22502 22332	0,5071	37 37	2
1877,400	0,9954	0,59317	18,99	14,62	22433 22301	0,5076	70 70	2
1879,400	0,9848	0,59191	63,46	48,82	22235 21868	0,5082	53 53	2
1881,400	0,9961	0,59065	16,18	12,43	22187 22070	0,5087	49 49	2
1883,400	1,0026	0,58940	-10,66	-8,19	22242 22268	0,5093	61 61	2
1885,400	1,0103	0,58815	-42,45	-32,56	21995 22190	0,5098	65 65	2
1887,400	0,9921	0,58690	32,97	25,26	21983 21779	0,5104	79 79	2
1889,400	0,9992	0,58566	3,46	2,65	21957 21908	0,5109	57 57	2
1891,400	0,9936	0,58442	26,81	20,50	22065 21893	0,5114	64 64	2
1893,400	0,9895	0,58319	43,75	33,41	21849 21590	0,5120	71 71	2
1895,400	0,9926	0,58196	30,93	23,60	21840 21647	0,5125	71 71	2
1897,400	1,0160	0,58073	-65,89	-50,21	21575 21889	0,5131	49 49	2
1899,400	0,9915	0,57951	35,51	27,03	21646 21432	0,5136	59 59	2
1901,400	0,9942	0,57829	24,21	18,41	21550 21396	0,5141	64 64	2
1903,400	0,9883	0,57708	48,68	36,98	21498 21219	0,5147	64 64	2
1905,400	0,9961	0,57586	16,28	12,36	21647 21533	0,5152	60 60	2
1907,400	0,9961	0,57466	16,33	12,38	21332 21220	0,5158	60 60	2
1909,400	0,9955	0,57345	18,72	14,18	21531 21406	0,5163	64 64	2
1911,400	0,9978	0,57225	9,04	6,84	21441 21367	0,5168	72 72	2
1913,400	0,9815	0,57106	77,70	58,72	21426 21002	0,5174	57 57	2
1915,400	1,0001	0,56987	-0,32	-0,24	21297 21272	0,5179	72 72	2
1917,400	1,0035	0,56868	-14,53	-10,96	21106 21106	0,5185	46 46	2
1919,400	0,9987	0,56749	5,20	3,92	21291 21239	0,5190	64 64	2
1921,400	0,9902	0,56631	40,73	30,65	21049 20818	0,5195	78 78	2
1923,400	0,9870	0,56514	54,34	40,85	21048 20750	0,5201	61 61	2
1925,400	0,9918	0,56396	33,98	25,52	20970 20775	0,5206	45 45	2
1927,400	1,0051	0,56279	-21,10	-15,83	20845 20927	0,5212	69 69	2
1929,400	0,9975	0,56163	10,23	7,67	20813 20738	0,5217	53 53	2
1931,400	1,0113	0,56046	-42,58	-31,88	20643 20832	0,5223	46 46	2
1933,400	0,9866	0,55931	55,83	41,76	20908 20606	0,5228	57 57	2
1935,400	0,9998	0,55815	0,93	0,69	20679 20651	0,5233	51 51	2
1937,400	0,9948	0,55700	29,83	22,26	20703 20532	0,5239	71 71	2
1939,400	0,9881	0,55585	49,65	37,02	20469 20203	0,5244	52 52	2
1941,400	1,0087	0,55471	-36,07	-26,86	20214 20671	0,5250	61 61	2
1943,400	0,9979	0,55356	8,68	6,46	20339 20474	0,5255	53 53	2
1945,400	1,0106	0,55243	-43,75	-32,52	20242 20434	0,5260	34 34	2
1947,400	0,9879	0,55129	50,45	37,46	20458 20190	0,5266	35 35	2
1949,400	0,9952	0,55016	19,95	14,80	20293 20175	0,5271	48 48	2
1951,400	0,9888	0,54903	46,80	34,68	20413 20163	0,5277	58 58	2
1953,400	1,0005	0,54791	-2,00	-1,48	20218 20206	0,5282	64 64	2
1955,400	0,9988	0,54679	4,91	3,63	20226 20181	0,5287	67 67	2
1957,400	0,9999	0,54567	84,22	62,21	20165 19739	0,5293	58 58	2
1959,400	1,0001	0,54456	-0,31	-0,23	20011 19992	0,5298	48 48	2

DELAY	TRANS.	ENERGY	X-SEC	X-SEC	COUNTS	FRAC,	FAST BKGS	NO. PTS
					OPEN	SAMPLE	OF OCT	
							OPEN	SAMPLE
								AVE,
1961,400	0,9866	0,54345	56,10	41,36	20054	19765	0,5304	53
1963,400	0,9919	0,54234	33,90	24,97	20050	19867	0,5309	63
1965,400	0,9980	0,54124	8,29	6,10	20064	20004	0,5314	59
1967,400	1,0079	0,54014	-32,87	-24,16	19699	19836	0,5320	46
1969,400	1,0022	0,53904	-9,14	-6,71	19766	19790	0,5325	48
1971,400	0,9931	0,53795	28,63	21,00	19729	19575	0,5331	69
1973,400	0,9886	0,53686	47,72	34,97	19746	19501	0,5336	59
1975,400	1,0071	0,53578	-29,21	-21,38	19370	19488	0,5341	58
1977,400	1,0086	0,53469	-35,72	-26,12	19391	19540	0,5347	69
1979,400	0,9914	0,53361	35,95	26,26	19596	19408	0,5352	76
1981,400	0,9849	0,53254	63,12	46,06	19445	19133	0,5358	52
1983,400	0,9993	0,53146	2,93	2,14	19424	19392	0,5363	42
1985,400	0,9943	0,53039	23,83	17,36	19165	19037	0,5369	67
1987,400	1,0162	0,52932	-66,77	-48,58	18913	19202	0,5374	53
1989,400	1,0070	0,52826	-29,00	-21,08	19043	19159	0,5379	55
1991,400	0,9932	0,52720	28,20	20,48	19069	18923	0,5385	64
1993,400	0,9813	0,52614	78,42	56,88	19256	18878	0,5390	71
1995,400	1,0058	0,52509	-24,08	-17,45	18600	18692	0,5396	65
1997,400	0,9907	0,52404	38,76	28,06	19002	18809	0,5401	84
1999,400	1,0140	0,52299	-57,59	-41,65	18928	18871	0,5406	70
2001,400	0,9713	0,52195	120,74	87,23	19033	18471	0,5412	42
2003,400	1,0066	0,52090	-27,41	-19,78	18729	18836	0,5417	63
2005,400	0,9867	0,51986	58,80	40,23	18843	18575	0,5423	57
2007,400	0,9929	0,51883	29,74	21,42	18634	18485	0,5428	55
2009,400	1,0077	0,51780	-31,95	-22,99	18431	18558	0,5433	72
2011,400	0,9974	0,51677	10,61	7,63	18398	18335	0,5439	52
2013,400	0,9923	0,51574	32,04	23,04	18420	18262	0,5444	59
2015,400	0,9869	0,51470	54,76	39,28	18433	18176	0,5450	60
2017,400	0,9935	0,51370	27,06	19,37	18328	18193	0,5455	58
2019,400	1,0095	0,51268	-39,06	-27,96	18176	18332	0,5460	63
2021,400	0,9998	0,51167	0,67	0,48	18178	18160	0,5466	61
2023,400	0,9988	0,51066	5,06	3,62	18486	10120	0,5471	55
2025,400	0,9936	0,50965	26,73	19,08	18087	17955	0,5477	67
2027,400	0,9862	0,50864	57,50	41,01	17885	17625	0,5482	67
2029,400	1,0041	0,50764	-16,97	-12,09	17813	17871	0,5487	60
2031,400	0,9939	0,50664	25,47	18,13	17881	17757	0,5493	38
2033,400	0,9913	0,50565	36,17	25,72	17911	17741	0,5498	53

A-4. 2.3 - 3.1 eV, $1/n = 96,900$ barns/atom

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE
819.000	1.0008	3.11691	-79.46	-140.28	10972 10981	0.2210	1	1
821.000	0.9819	3.10175	1774.74	3125.62	10968 10768	0.2216	1	1
823.000	1.0213	3.08669	-2046.84	-3596.09	10964 11198	0.2221	1	1
825.000	0.9984	3.07174	150.45	263.68	10959 10942	0.2226	1	1
827.000	1.0068	3.05690	-652.79	-1141.35	10955 11029	0.2232	1	1
829.000	1.0029	3.04217	-283.06	-493.72	10951 10983	0.2237	1	1
831.000	1.0162	3.02754	-1555.79	-2707.05	10947 11124	0.2243	1	1
833.000	0.9935	3.01302	631.05	1095.37	10941 10870	0.2248	1	1
835.000	0.9995	2.99861	43.88	75.99	10936 10931	0.2253	1	1
837.000	1.0023	2.98429	-221.82	-383.19	10930 10955	0.2259	1	1
839.000	0.9931	2.97008	667.92	1151.08	10924 10849	0.2264	1	1
841.000	1.0184	2.95597	-1769.23	-3041.83	10919 11120	0.2270	1	1
843.000	0.9877	2.94196	1198.02	2054.86	10913 10779	0.2275	1	1
845.000	0.9968	2.92805	311.79	533.52	10907 10872	0.2280	1	1
847.000	1.0067	2.91424	-647.24	-1104.92	10902 10975	0.2286	1	1
849.000	0.9848	2.90053	1488.93	2535.79	10896 10729	0.2291	1	1
851.000	0.9922	2.88691	760.15	1291.56	10890 10805	0.2297	1	1
853.000	0.9857	2.87339	1391.24	2358.30	10885 10729	0.2302	1	1
855.000	0.9844	2.85996	1519.08	2568.98	10879 10709	0.2307	1	1
857.000	1.0059	2.84663	-568.58	-959.30	10873 10937	0.2313	1	1
859.000	0.9883	2.83339	1140.60	1919.93	10868 10740	0.2318	1	1
861.000	0.9943	2.82024	555.93	933.60	10862 10799	0.2324	1	1
863.000	0.9880	2.80718	1169.08	1956.74	10856 10725	0.2329	1	1
865.000	0.9981	2.79422	179.60	300.21	10851 10830	0.2334	1	1
867.000	0.9995	2.78134	45.23	75.43	10845 10839	0.2340	1	1
869.000	0.9627	2.76855	3684.54	6130.70	10839 10434	0.2345	1	1
871.000	0.9465	2.75585	5328.00	8844.89	10834 10254	0.2351	1	1
873.000	0.9239	2.74324	7668.68	12701.44	10828 10004	0.2356	1	1
875.000	0.9226	2.73072	7809.91	12905.78	10821 9983	0.2361	1	1
877.000	0.8615	2.71827	14440.81	23808.84	10816 9319	0.2367	1	1
879.000	0.8040	2.70592	21143.85	34780.95	10810 8691	0.2372	1	1
881.000	0.7564	2.69365	27051.86	44398.42	10804 8172	0.2378	1	1
883.000	0.7360	2.68146	29704.65	48641.85	10799 7948	0.2383	1	1
885.000	0.7486	2.66935	28056.22	45838.69	10793 8080	0.2388	1	1
887.000	0.7708	2.65733	25224.60	41119.41	10787 8315	0.2394	1	1
889.000	0.8071	2.64539	20770.39	33782.29	10782 8702	0.2399	1	1
891.000	0.8635	2.63352	14220.67	23077.49	10776 9305	0.2405	1	1
893.000	0.9165	2.62174	8449.46	13681.19	10771 9872	0.2410	1	1
895.000	0.9367	2.61004	6333.02	10231.37	10765 10084	0.2415	1	1
897.000	0.9754	2.59841	2411.98	3886.02	10759 10495	0.2421	1	1
899.000	0.9691	2.58686	3040.88	4890.87	10754 10422	0.2426	1	1
901.000	0.9812	2.57539	1837.30	2948.51	10748 10546	0.2431	1	1
903.000	0.9908	2.56399	893.16	1430.17	10742 10644	0.2437	1	1
905.000	0.9914	2.55267	837.36	1337.85	10737 10645	0.2442	1	1
907.000	0.9829	2.54143	1669.99	2662.28	10731 10548	0.2448	1	1
909.000	0.9911	2.53026	864.22	1374.69	10725 10630	0.2453	1	1
911.000	0.9879	2.51916	1184.40	1879.87	10720 10590	0.2458	1	1
913.000	0.9832	2.50814	1644.09	2603.76	10714 10534	0.2464	1	1
915.000	0.9957	2.49718	418.43	661.22	10708 10662	0.2469	1	1
917.000	0.9797	2.48630	1987.33	3133.62	10703 10486	0.2475	1	1
919.000	0.9967	2.47549	318.82	501.63	10697 10662	0.2480	1	1
921.000	1.0029	2.46475	-279.98	-439.55	10691 10722	0.2485	1	1
923.000	0.9955	2.45408	437.27	685.01	10686 10638	0.2491	1	1
925.000	1.0062	2.44348	-596.91	-933.07	10680 10746	0.2496	1	1
927.000	1.0049	2.43295	-471.02	-734.69	10674 10726	0.2502	1	1
929.000	1.0007	2.42249	-63.47	-98.79	10668 10675	0.2507	1	1
931.000	0.9811	2.41209	1845.48	2866.20	10663 10462	0.2512	1	1
933.000	0.9948	2.40176	501.93	777.87	10657 10602	0.2518	1	1
935.000	0.9890	2.39149	1071.33	1656.75	10652 10535	0.2523	1	1
937.000	1.0120	2.38130	-1158.76	-1788.14	10646 10774	0.2529	1	1
939.000	1.0067	2.37116	-644.77	-992.85	10640 10711	0.2534	1	1
941.000	0.9851	2.36109	1451.83	2230.86	10635 10477	0.2539	1	1
943.000	0.9970	2.35109	292.78	448.92	10629 10597	0.2545	1	1
945.000	0.9992	2.34115	73.25	112.07	10623 10615	0.2550	1	1
947.000	1.0023	2.33127	-218.84	-334.14	10618 10642	0.2556	1	1
949.000	0.9993	2.32145	63.99	97.49	10612 10605	0.2561	1	1
951.000	0.9981	2.31170	183.20	278.54	10606 10586	0.2566	1	1
953.000	0.9923	2.30201	753.29	1142.93	10601 10519	0.2572	1	1
955.000	1.0000	2.29238	0.14	0.22	10595 10595	0.2577	1	1
957.000	0.9984	2.28280	155.93	235.60	10589 10572	0.2583	1	1

A-5. 8.1-7726 eV, $1/n = 270$ barns/atom

DELAY	TRANS.	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE,
16,450	0,9371	7726,10767	17,53	1541,05	17262	0,0143	11012	10791
16,950	0,9383	7277,01312	17,18	1465,96	18089	0,0147	9427	9239
17,450	0,9289	6865,96680	19,92	1650,70	18208	0,0151	8968	8789
17,950	0,9299	6488,78900	19,63	1581,05	17788	0,0156	8694	8520
18,450	0,9305	6141,85864	19,45	1524,59	16891	0,0160	8529	8358
18,950	0,9398	5822,02588	16,75	1278,27	17671	0,0164	7234	7089
19,450	0,9378	5526,54041	17,34	1289,30	17774	0,0169	7584	7432
19,950	0,9259	5252,99219	20,78	1506,03	19839	0,0173	6515	6385
20,450	0,9312	4999,26239	19,25	1361,13	20680	0,0177	5953	5834
20,950	0,9233	4763,48175	21,54	1486,54	20413	0,0182	5844	5727
21,450	0,9235	4543,99628	21,48	1448,03	20032	0,0186	5759	5644
21,950	0,9189	4339,33826	22,83	1503,63	20266	0,0190	5073	4971
22,450	0,9315	4148,20166	19,17	1234,61	19444	0,0195	5422	5313
22,950	0,9118	3969,42117	24,94	1571,06	19813	0,0199	4697	4603
23,450	0,9177	3801,95404	23,20	1430,63	19249	0,0203	5089	4987
23,950	0,9131	3644,86563	24,55	1481,93	20091	0,0208	4583	4492
24,450	0,9338	3497,31561	18,48	1093,11	21206	0,0212	3511	3441
24,950	0,9149	3358,54721	24,01	1391,67	20276	0,0216	4471	4381
25,450	0,9248	3227,87704	21,10	1198,72	20674	0,0221	3842	3766
25,950	0,9336	3104,68704	18,55	1033,33	20614	0,0225	3687	3614
26,450	0,9483	2988,41705	14,33	783,21	19942	0,0229	3786	3710
26,950	0,9439	2878,55023	15,60	836,74	19662	0,0234	3694	3620
27,450	0,9209	2774,64777	22,25	1172,25	19925	0,0238	3017	2957
27,950	0,9357	2676,26389	17,95	928,56	19786	0,0242	2385	2337
28,450	0,9175	2583,02145	23,24	1181,36	18066	0,0247	3148	3085
28,950	0,9305	2494,56842	19,46	971,95	17553	0,0251	2808	2751
29,450	0,9145	2410,68228	21,12	1101,10	17102	0,0255	2797	2741
29,950	0,9275	2330,76721	20,33	981,36	17088	0,0260	2731	2677
30,450	0,9264	2254,85159	20,63	979,76	17495	0,0264	2524	2474
30,950	0,9322	2182,58542	18,97	886,27	17859	0,0268	2262	2216
31,450	0,9069	2113,73849	26,37	1212,43	18926	0,0273	1962	1922
31,950	0,9155	2048,09845	23,83	1078,63	19240	0,0277	1856	1818
32,450	0,9167	1985,46919	23,49	1046,72	19971	0,0281	1719	1685
32,950	0,9160	1925,66934	23,68	1039,10	20021	0,0286	1772	1737
33,450	0,9380	1868,53102	17,28	746,75	20320	0,0290	1607	1575
33,950	0,9435	1813,89857	15,71	669,05	20734	0,0294	1212	1188
34,450	0,9371	1761,62759	17,55	736,73	20461	0,0299	1574	1542
34,950	0,9264	1711,58392	20,65	854,17	20459	0,0303	1702	1668
35,450	0,9374	1663,64276	17,45	711,84	20557	0,0307	1383	1355
35,950	0,9394	1617,68800	16,87	678,46	19737	0,0312	1817	1781
36,450	0,9444	1573,61139	15,45	612,69	20501	0,0316	1297	1271
36,950	0,9354	1531,31195	18,03	705,69	20115	0,0320	1590	1558
37,450	0,9173	1490,69540	23,29	899,34	21109	0,0325	1112	1089
37,950	0,9336	1451,67365	18,56	707,02	20287	0,0329	1625	1593
38,450	0,9133	1414,16429	24,49	921,09	20333	0,0333	1732	1698
38,950	0,9015	1378,09015	28,00	1039,33	20765	0,0338	1285	1259
39,450	0,9138	1343,17895	24,33	891,83	20072	0,0342	1756	1721
39,950	0,9167	1309,96288	23,49	850,24	19922	0,0346	1957	1917
40,450	0,9177	1277,77827	23,18	828,46	19570	0,0351	2254	2209
40,950	0,9417	1246,76540	16,21	572,21	19751	0,0355	1894	1856
41,450	0,9213	1216,86804	22,14	771,83	19951	0,0359	1682	1648
41,950	0,8964	1188,03333	29,52	1017,53	19566	0,0364	1958	1919
42,450	0,9334	1160,21150	18,62	634,13	18208	0,0368	2351	2304
42,950	0,9103	1133,35568	25,39	854,72	17720	0,0372	2459	2410
43,450	0,9272	1107,42163	20,39	678,70	17401	0,0377	2339	2292
43,950	0,9244	1082,36765	21,21	697,91	17716	0,0381	2104	2062
44,450	0,9265	1058,15437	20,61	670,40	17430	0,0385	2744	2689
44,950	0,9159	1034,74460	23,72	762,94	18674	0,0390	2270	2224
45,450	0,9256	1012,10318	20,88	664,41	18502	0,0394	2809	2753
45,950	0,9265	990,19683	22,30	704,09	19027	0,0398	2718	2664
46,450	0,9448	968,99409	15,34	477,51	18689	0,0403	2750	2695
46,950	0,9163	948,46513	23,59	726,42	19354	0,0407	2659	2606
47,450	0,9251	928,58173	21,01	640,12	18736	0,0411	2927	2868
47,950	0,9254	909,31706	20,93	631,15	19308	0,0416	2508	2458
48,450	0,9062	890,64574	26,58	793,23	19329	0,0420	2653	2600
48,950	0,9312	872,54367	19,24	568,41	18771	0,0424	2788	2732
49,450	0,8949	854,98790	29,98	876,67	19071	0,0429	2784	2729
49,950	0,8896	837,95670	31,59	914,46	19172	0,0433	2653	2600
50,450	0,8959	821,42936	29,67	850,41	18910	0,0437	2895	2837
50,950	0,8822	805,38621	33,83	960,08	18863	0,0442	2801	2745

DELAY	TRANS,	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN SAMPLE	FRAC, OF OCT	FAST OPEN	BKGS SAMPLE	NO, PTS AVE,
51,450	0,8637	789,80850	39,57	1112,09	19118	0,0446	2514	2463	3
51,950	0,8800	774,67841	34,51	960,47	19066	0,0450	2505	2455	3
52,450	0,8817	759,97897	33,99	937,02	18884	0,0455	2779	2724	3
52,950	0,8958	745,69397	29,71	811,36	18799	0,0459	2629	2576	3
53,450	0,8859	731,80798	32,71	884,94	18891	0,0463	2465	2415	3
53,950	0,8934	718,30627	30,42	815,31	18662	0,0468	2538	2487	3
54,450	0,9048	705,17482	27,00	716,95	18569	0,0472	2615	2563	3
54,950	0,9282	692,40017	20,13	529,65	18446	0,0476	2494	2444	3
55,450	0,9353	679,96954	18,06	470,99	18343	0,0481	2421	2373	3
55,950	0,9377	667,87068	17,36	448,59	18502	0,0485	2424	2376	3
56,450	0,9493	656,09189	14,06	360,10	18584	0,0489	2228	2184	3
56,950	0,9388	644,52197	17,06	433,22	18646	0,0494	2065	2024	3
57,450	0,9390	633,45023	16,99	427,56	18504	0,0498	2118	2076	3
57,950	0,9318	622,56641	19,08	476,08	18166	0,0502	2424	2375	3
58,450	0,9112	611,96069	25,11	621,28	18252	0,0507	2167	2123	3
58,950	0,9022	601,62370	27,78	681,29	18244	0,0511	2067	2025	3
59,450	0,9065	591,54643	26,50	644,42	18238	0,0515	1737	1703	3
59,950	0,9018	581,72025	27,92	673,32	17996	0,0520	1734	1700	3
60,450	0,9105	572,13689	25,32	605,75	18063	0,0524	1608	1575	3
60,950	0,9079	562,78840	26,09	618,96	17993	0,0528	1677	1643	3
61,450	0,9017	553,66718	27,94	657,40	17970	0,0533	1512	1482	3
61,950	0,9066	544,76593	26,48	618,04	17972	0,0537	1448	1419	3
62,450	0,8734	536,07761	36,54	845,92	17821	0,0541	1576	1544	3
62,950	0,8845	527,59551	33,14	761,12	18170	0,0546	1218	1194	3
63,450	0,9117	519,31313	24,96	568,91	17507	0,0550	1486	1457	3
63,950	0,9020	511,22427	27,83	629,33	17793	0,0554	1064	1043	3
64,450	0,8886	503,32294	31,89	715,35	17699	0,0559	1237	1212	3
64,950	0,9001	495,60337	28,41	632,57	17840	0,0563	1101	1079	3
65,450	0,9260	488,06005	20,76	458,57	17543	0,0567	1158	1135	3
65,950	0,9388	480,68765	17,05	373,75	17598	0,0572	977	957	3
66,450	0,9410	473,48104	16,43	357,43	17848	0,0576	942	923	3
66,950	0,9272	466,43530	20,41	440,76	17682	0,0580	952	932	3
67,450	0,9464	459,54565	14,89	319,14	17357	0,0585	1088	1066	3
67,950	0,9533	452,80753	12,91	274,75	17711	0,0589	816	799	3
68,450	0,9605	446,21654	10,87	229,67	17410	0,0593	794	778	3
68,950	0,9461	439,76841	14,96	313,65	17285	0,0598	907	889	3
69,450	0,9479	433,45904	14,44	300,56	17059	0,0602	874	856	3
69,950	0,9328	427,28449	18,77	388,05	17228	0,0606	764	748	3
70,450	0,9384	421,24094	17,17	352,41	16849	0,0611	852	835	3
70,950	0,9410	415,32471	16,43	334,86	16966	0,0615	731	717	3
71,450	0,9289	409,53224	19,93	403,27	16976	0,0619	764	749	3
71,950	0,9216	403,86012	22,05	443,15	16619	0,0624	812	796	3
72,450	0,9321	398,30502	18,98	378,80	16655	0,0628	614	601	3
72,950	0,9143	392,86376	24,20	479,56	16289	0,0632	862	845	3
73,450	0,9134	387,53325	24,46	481,43	16148	0,0637	668	655	3
73,950	0,8828	382,31048	33,66	658,09	15776	0,0641	712	698	3
74,450	0,9017	377,19260	27,94	542,58	15267	0,0645	723	709	3
74,950	0,9225	372,17679	21,77	420,05	14723	0,0650	602	590	3
75,450	0,9224	367,26038	21,80	417,85	13624	0,0654	810	793	3
75,950	0,9338	362,44074	18,49	352,02	13058	0,0658	674	661	3
76,450	0,9341	357,71535	18,40	348,04	11775	0,0663	650	637	3
76,950	0,9322	353,08178	18,95	355,99	10466	0,0667	700	686	3
77,450	0,9216	348,53767	22,05	411,56	8938	0,0671	662	649	3
77,950	0,9296	344,08071	19,71	365,60	7635	0,0676	654	641	3
78,450	0,9090	339,70870	25,76	474,79	6605	0,0680	651	638	3
78,950	0,8950	335,41949	24,96	548,68	6160	0,0684	715	700	3
79,450	0,8337	331,21101	49,11	893,79	6930	0,0689	707	693	3
79,950	0,8219	327,08123	52,96	957,84	8140	0,0693	692	678	3
80,450	0,7843	323,02822	65,58	1178,74	9670	0,0697	791	776	3
80,950	0,7875	319,05008	64,48	1151,81	11256	0,0702	637	624	3
81,450	0,8573	315,14497	41,57	738,03	12455	0,0706	685	671	3
81,950	0,8875	311,31113	32,23	568,74	13498	0,0710	580	569	3
82,450	0,9225	307,54682	21,77	381,74	13752	0,0715	731	716	3
82,950	0,9027	303,85038	27,63	481,71	14433	0,0719	735	720	3
83,450	0,8916	300,22018	30,99	536,94	15118	0,0723	636	623	3
83,950	0,8990	296,65465	28,74	495,06	15654	0,0728	762	747	3
84,450	0,9256	293,15227	20,88	357,52	15713	0,0732	707	693	3
84,950	0,9701	289,71154	8,21	139,70	15473	0,0736	744	729	3
85,450	0,9500	286,33104	13,85	234,30	15918	0,0741	676	662	3
85,950	0,9672	283,00936	9,00	151,40	15949	0,0745	724	710	3
86,450	0,9440	279,74515	15,55	260,11	16237	0,0749	768	753	3
86,950	0,9133	276,53709	24,50	407,35	16395	0,0754	785	769	3
87,450	0,9267	273,38390	20,55	339,74	16350	0,0758	781	766	3
87,950	0,9180	270,28433	23,09	379,57	16623	0,0762	738	723	3
88,450	0,9247	267,23718	21,12	345,31	16604	0,0767	844	827	3
88,950	0,9533	264,24127	12,91	209,83	16631	0,0771	816	800	3
89,450	0,9403	261,29546	16,63	268,88	16966	0,0775	709	695	3
89,950	0,9263	258,39864	20,67	332,21	17138	0,0780	753	738	3
90,450	0,9350	255,51972	18,13	289,00	16831	0,0784	790	774	3
90,950	0,9467	252,74767	14,79	235,13	16714	0,0788	879	861	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,
91,450	0,9376	249,99144	17,41	275,28	16849 15355	0,0793	825	809	3
91,950	0,9507	247,28006	13,64	214,43	16848 15570	0,0797	740	725	3
92,450	0,9639	244,61255	9,92	155,10	16600 15554	0,0801	812	796	3
92,950	0,9635	241,98797	10,04	156,25	16489 15442	0,0806	935	916	3
93,450	0,9344	239,40541	18,31	283,25	16962 15407	0,0810	711	697	3
93,950	0,9197	236,86397	22,60	347,76	17010 15207	0,0814	757	742	3
94,450	0,9152	234,36278	23,93	366,36	16923 15055	0,0819	787	771	3
94,950	0,9155	231,90100	23,83	362,85	16881 15022	0,0823	693	679	3
95,450	0,9233	229,47781	21,55	326,44	16805 15082	0,0827	836	820	3
95,950	0,9362	227,09240	17,80	268,21	16850 15334	0,0832	846	829	3
96,450	0,9280	224,74400	20,17	302,31	16812 15166	0,0836	855	838	3
96,950	0,9226	222,43183	21,76	324,50	16690 14967	0,0840	806	789	3
97,450	0,9266	220,15516	20,57	305,19	16604 14955	0,0845	818	801	3
97,950	0,9220	217,91327	21,92	323,58	16538 14822	0,0849	786	770	3
98,450	0,8958	215,70545	29,70	436,24	17019 14819	0,0853	711	697	3
98,950	0,9239	213,53102	21,38	312,42	16425 14750	0,0858	883	866	3
99,450	0,8978	211,38929	29,10	423,08	16698 14572	0,0862	799	783	3
99,950	0,8976	209,27963	29,17	422,04	16572 14459	0,0866	752	737	3
100,450	0,8318	207,20140	49,74	715,94	16596 13418	0,0871	827	810	3
100,950	0,8275	205,15396	51,11	732,09	16555 13558	0,0875	634	621	3
101,450	0,8475	203,13673	44,69	636,92	16796 13836	0,0880	804	788	3
101,950	0,8922	201,14910	30,79	436,63	16609 14404	0,0884	764	749	3
102,450	0,9444	199,19091	15,46	248,17	16417 13070	0,0888	740	725	3
102,950	0,9503	197,26038	13,75	193,13	16719 15444	0,0893	777	761	3
103,450	0,9340	195,35817	18,44	257,72	16813 15264	0,0897	787	771	3
103,950	0,9332	193,48334	18,68	259,79	16815 15252	0,0901	743	728	3
104,450	0,9593	191,63537	11,21	155,24	16480 15367	0,0906	713	698	3
104,950	0,9490	189,81375	14,14	194,84	16452 15176	0,0910	737	722	3
105,450	0,9641	188,01790	9,88	135,47	16512 15474	0,0914	678	664	3
105,950	0,9234	186,24758	21,52	293,75	16890 15159	0,0919	650	637	3
106,450	0,9440	184,50206	15,55	211,23	16890 15498	0,0923	596	584	3
106,950	0,9269	182,78097	20,48	276,92	16665 15015	0,0927	715	700	3
107,450	0,9427	181,08385	15,94	214,51	16813 15405	0,0932	656	643	3
107,950	0,9213	179,41026	22,13	296,36	16689 14946	0,0936	605	592	3
108,450	0,9739	177,75976	7,15	95,28	16303 15433	0,0940	717	703	3
108,950	0,9358	176,13193	17,91	237,74	16671 15164	0,0945	609	597	3
109,450	0,9525	174,52636	13,14	173,63	16337 15126	0,0949	634	622	3
109,950	0,9545	172,94264	12,57	165,30	16469 15280	0,0953	526	515	3
110,450	0,9509	171,38039	13,59	177,92	16419 15176	0,0958	583	571	3
110,950	0,9673	169,83920	8,97	116,91	16173 15207	0,0962	561	550	3
111,450	0,9708	168,31872	8,01	103,91	16006 15103	0,0966	652	638	3
111,950	0,9355	166,81856	18,00	232,48	16461 14968	0,0971	632	619	3
112,450	0,9291	165,33837	19,86	255,41	16657 15042	0,0975	549	538	3
112,950	0,9400	163,87779	16,71	213,96	16241 14839	0,0979	677	663	3
113,450	0,9331	162,43648	18,71	238,42	16401 14875	0,0984	640	627	3
113,950	0,9404	161,01410	16,60	210,63	16299 14898	0,0988	555	544	3
114,450	0,9513	159,61032	13,48	170,28	16340 15109	0,0992	586	574	3
114,950	0,9463	158,22482	14,89	187,31	16228 14927	0,0997	552	541	3
115,450	0,9430	156,85728	15,85	198,49	16358 14994	0,1001	473	463	3
115,950	0,9260	155,50740	20,75	258,79	16383 14746	0,1005	470	460	3
116,450	0,9279	154,17486	20,20	250,77	16226 14636	0,1010	539	528	3
116,950	0,8849	152,85938	33,02	406,27	16606 14283	0,1014	492	483	3
117,450	0,8705	151,56067	37,44	460,95	16090 14991	0,1010	539	528	3
117,950	0,8454	150,27844	45,35	555,92	16012 13158	0,1023	464	455	3
118,450	0,8315	149,01241	49,83	608,23	16280 13158	0,1027	491	481	3
118,950	0,8637	147,76231	39,56	480,87	16157 13564	0,1031	464	455	3
119,450	0,9243	146,52787	21,27	257,45	16021 14393	0,1036	550	539	3
119,950	0,9377	145,30885	17,38	209,45	15936 14525	0,1040	528	517	3
120,450	0,9642	144,10497	9,83	118,02	15640 14666	0,1044	505	495	3
120,950	0,9485	142,91599	14,28	170,65	15823 14588	0,1049	456	446	3
121,450	0,9495	141,74166	13,99	166,51	15472 14280	0,1053	514	504	3
121,950	0,9521	140,58175	13,26	157,25	15367 14221	0,1057	467	457	3
122,450	0,9500	139,43602	13,84	163,41	15418 14237	0,1062	473	463	3
122,950	0,9509	138,30424	13,58	159,70	15064 13925	0,1066	453	444	3
123,450	0,9557	137,18618	12,23	143,22	14927 13867	0,1070	438	429	3
123,950	0,9601	136,08163	11,00	128,34	14579 13605	0,1075	509	498	3
124,450	0,9252	134,99036	21,00	243,94	14604 13133	0,1079	539	528	3
124,950	0,9361	133,91217	17,82	206,25	14186 12908	0,1083	435	426	3
125,450	0,8886	132,84684	31,89	367,56	14439 12471	0,1088	432	423	3
125,950	0,8456	131,79417	45,27	519,70	14278 11736	0,1092	510	499	3
126,450	0,8534	130,75397	42,82	489,60	14351 11904	0,1096	445	436	3
126,950	0,8792	129,72604	34,76	395,89	14581 12461	0,1101	416	408	3
127,450	0,9033	128,71017	27,47	311,65	14884 13068	0,1105	463	454	3
127,950	0,9575	127,70620	11,72	132,44	14738 13717	0,1109	402	394	3
128,450	0,9350	126,71392	18,13	204,11	15284 13891	0,1114	439	430	3
128,950	0,9498	125,73317	13,90	155,87	15258 14087	0,1118	450	441	3
129,450	0,9364	124,76376	17,75	198,22	15443 14056	0,1122	425	417	3
129,950	0,9453	123,80551	15,18	168,89	15487 14230	0,1127	416	407	3
130,450	0,9530	122,85827	13,01	144,16	15492 14350	0,1131	501	491	3
130,950	0,9388	121,92185	17,05	188,27	15867 14479	0,1135	392	384	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC, OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,	
131,450	0,9553	120,99610	12,34	135,73	15764	14638	0,1140	404	395	3
131,950	0,9567	120,08086	11,96	131,09	15721	14619	0,1144	430	421	3
132,450	0,9471	119,17595	14,67	160,17	15797	14543	0,1148	415	407	3
132,950	0,9335	118,28124	18,58	202,06	15943	14466	0,1153	435	426	3
133,450	0,9190	117,39657	22,81	247,12	16234	14501	0,1157	452	443	3
133,950	0,9372	116,52178	17,51	189,05	16079	14647	0,1161	432	424	3
134,450	0,9551	115,65674	12,40	133,40	15780	14649	0,1166	485	476	3
134,950	0,9493	114,80129	14,04	150,40	16007	14770	0,1170	385	377	3
135,450	0,9321	113,95530	18,98	202,63	15932	14435	0,1174	473	464	3
135,950	0,9360	113,11863	17,85	189,88	15919	14483	0,1179	431	423	3
136,450	0,9269	112,29114	20,49	217,08	16008	14423	0,1183	413	405	3
136,950	0,9348	111,47269	18,20	192,15	15710	14275	0,1187	478	468	3
137,450	0,9337	110,66316	18,54	194,98	15722	14268	0,1192	481	471	3
137,950	0,8991	109,86242	28,73	301,11	15589	13623	0,1196	518	508	3
138,450	0,8492	109,07033	44,12	460,77	15873	13103	0,1200	442	433	3
138,950	0,7740	108,28678	69,17	719,76	15741	11835	0,1205	501	491	3
139,450	0,7468	107,51165	78,83	817,41	15613	11333	0,1209	551	540	3
139,950	0,7653	106,74481	72,21	746,09	15605	11609	0,1213	488	478	3
140,450	0,8515	105,98614	43,41	446,93	15499	12827	0,1218	556	545	3
140,950	0,8977	105,23553	29,14	298,88	15721	13718	0,1222	533	523	3
141,450	0,9237	104,49287	21,43	219,05	15776	14164	0,1226	460	451	3
141,950	0,9325	103,75804	18,86	192,07	15912	14423	0,1231	517	507	3
142,450	0,9477	103,03094	14,49	147,08	15639	14407	0,1235	549	538	3
142,950	0,9444	102,31145	15,44	156,19	15702	14414	0,1239	500	490	3
143,450	0,9583	101,59947	11,49	115,81	15651	14579	0,1244	536	525	3
143,950	0,9511	100,89490	13,53	135,88	15725	14538	0,1248	529	518	3
144,450	0,9578	100,19763	11,65	116,66	15710	14625	0,1252	516	505	3
144,950	0,9574	99,50757	11,76	117,34	15655	14568	0,1257	541	530	3
145,450	0,9667	98,82461	9,16	91,04	15510	14573	0,1261	543	532	3
145,950	0,9527	98,14866	13,08	129,58	15565	14414	0,1265	571	560	3
146,450	0,9507	97,47962	13,66	134,86	15702	14509	0,1270	490	480	3
146,950	0,9412	96,81739	16,35	160,91	15571	14246	0,1274	527	516	3
147,450	0,9403	96,16189	16,62	163,00	15528	14192	0,1278	511	501	3
147,950	0,9760	95,51303	6,56	64,14	15431	14638	0,1283	536	525	3
148,450	0,9563	94,87071	12,06	117,44	15347	14265	0,1287	588	576	3
148,950	0,9360	94,23485	17,87	173,43	15746	14325	0,1291	552	541	3
149,450	0,9327	93,60536	18,80	181,88	15718	14250	0,1296	583	571	3
149,950	0,9573	92,98216	11,78	113,56	15514	14436	0,1300	613	601	3
150,450	0,9520	92,36516	13,28	127,60	15480	14325	0,1304	630	617	3
150,950	0,9398	91,75428	16,76	160,54	15643	14290	0,1309	641	629	3
151,450	0,9540	91,14944	12,71	121,34	15579	14446	0,1313	585	573	3
151,950	0,9692	90,55056	8,46	80,48	15344	14454	0,1317	596	584	3
152,450	0,9331	89,95757	18,71	177,42	15889	14411	0,1322	569	558	3
152,950	0,9324	89,37038	18,89	178,58	15615	14152	0,1326	634	621	3
153,450	0,9104	88,78892	25,33	238,70	15786	13969	0,1330	663	650	3
153,950	0,9241	88,21312	21,32	200,23	15751	14147	0,1335	690	677	3
154,450	0,9290	87,64290	19,89	186,17	15807	14273	0,1339	648	635	3
154,950	0,9458	87,07819	15,05	140,41	15694	14428	0,1343	668	654	3
155,450	0,9354	86,51892	18,04	167,77	15887	14444	0,1348	658	645	3
155,950	0,9539	85,96503	12,73	118,03	15890	14734	0,1352	592	580	3
156,450	0,9442	85,41643	15,51	143,39	15598	14314	0,1356	747	732	3
156,950	0,9533	84,87307	12,91	118,94	15604	14458	0,1361	693	679	3
157,450	0,9520	84,33488	13,27	121,87	15635	14468	0,1365	707	692	3
157,950	0,9595	83,80179	11,17	102,25	15507	14462	0,1369	662	649	3
158,450	0,9442	83,27374	15,49	141,37	15574	14294	0,1374	716	702	3
158,950	0,9473	82,75066	14,62	132,98	15463	14238	0,1378	761	746	3
159,450	0,9511	82,23250	13,55	122,05	15320	14167	0,1382	729	715	3
159,950	0,9642	81,71919	9,85	89,06	15346	14381	0,1387	818	802	3
160,450	0,9704	81,21067	8,11	73,11	15170	14308	0,1391	811	795	3
160,950	0,9426	80,70689	15,97	143,44	15252	13973	0,1395	839	822	3
161,450	0,9436	80,20777	15,68	140,40	15304	14036	0,1400	730	716	3
161,950	0,9553	79,71327	12,34	110,15	15265	14175	0,1404	730	715	3
162,450	0,9287	79,22334	19,96	177,69	15324	13833	0,1408	822	806	3
162,950	0,9347	78,73790	18,22	161,69	15512	14093	0,1413	766	751	3
163,450	0,9418	78,25691	16,18	143,10	15167	13885	0,1417	808	792	3
163,950	0,9465	77,78032	14,85	130,94	15179	13964	0,1421	785	769	3
164,450	0,9430	77,30806	15,84	139,24	15156	13892	0,1426	783	767	3
164,950	0,9299	76,84010	19,63	172,05	15263	13799	0,1430	818	802	3
165,450	0,9174	76,37637	23,27	203,58	15584	13896	0,1434	781	765	3
165,950	0,9371	75,91683	17,54	152,79	15507	14125	0,1439	805	789	3
166,450	0,9286	75,46142	20,01	173,79	15360	13864	0,1443	848	831	3
166,950	0,9427	75,01009	15,92	137,89	15321	14039	0,1447	803	787	3
167,450	0,9520	74,56281	13,27	114,59	15070	13945	0,1452	812	796	3
167,950	0,9323	74,11951	18,94	163,03	15327	13888	0,1456	766	750	3
168,450	0,9242	73,68015	21,27	182,58	15374	13811	0,1460	781	765	3
168,950	0,9345	73,24469	18,29	156,54	15198	13805	0,1465	819	803	3
169,450	0,9526	72,81308	13,12	111,97	15078	13960	0,1469	836	819	3
169,950	0,9532	72,38527	12,93	110,05	15179	14064	0,1473	801	785	3
170,450	0,9344	71,96122	18,31	155,31	15157	13766	0,1478	850	833	3
170,950	0,9370	71,54089	17,57	148,65	15229	13869	0,1482	784	768	3

DELAY	TRANS.	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,	
171.450	0.9432	71.12423	15.80	133.21	15029	13778	0.1486	806	790	3
171.950	0.9501	70.71120	13.83	116.30	14924	13782	0.1491	794	778	3
172.450	0.9409	70.30175	16.45	137.90	15108	13817	0.1495	777	761	3
172.950	0.9380	69.89585	17.27	144.40	15024	13698	0.1499	827	810	3
173.450	0.9353	69.49346	18.06	150.57	14806	13460	0.1504	836	819	3
173.950	0.9031	69.09453	27.52	228.79	14983	13151	0.1508	771	755	3
174.450	0.8562	68.69903	41.91	347.35	15094	12561	0.1512	839	822	3
174.950	0.7972	68.30691	61.20	505.84	14849	11505	0.1517	823	806	3
175.450	0.7097	67.91814	92.57	762.89	15155	10454	0.1521	826	809	3
175.950	0.6880	67.53268	100.99	829.88	15062	10071	0.1525	837	820	3
176.450	0.7361	67.15050	82.74	677.99	15177	10858	0.1530	808	792	3
176.950	0.8264	66.77154	51.48	420.64	15181	12194	0.1534	770	755	3
177.450	0.8888	66.39579	31.83	259.38	15229	13156	0.1538	751	736	3
177.950	0.9331	66.02320	18.69	151.83	14829	13449	0.1543	780	764	3
178.450	0.9334	65.65374	18.60	150.71	14961	13573	0.1547	734	719	3
178.950	0.9418	65.28737	16.18	130.74	15003	13734	0.1551	781	766	3
179.450	0.9321	64.92405	18.98	152.96	14989	13580	0.1556	746	731	3
179.950	0.9398	64.56377	16.77	134.76	14899	13609	0.1560	767	752	3
180.450	0.9530	64.20647	13.01	104.23	14716	13631	0.1564	746	731	3
180.950	0.9090	63.85213	25.78	205.97	15114	13353	0.1569	735	720	3
181.450	0.9402	63.50071	16.64	132.59	14831	13554	0.1573	725	711	3
181.950	0.9279	63.15219	20.21	160.61	14872	13412	0.1577	784	768	3
182.450	0.9260	62.80653	20.77	164.00	15018	13516	0.1582	685	671	3
182.950	0.9267	62.46370	20.56	162.46	14924	13442	0.1586	767	752	3
183.450	0.9402	62.12367	16.65	131.20	14696	13430	0.1590	761	745	3
183.950	0.9439	61.78641	15.58	122.48	14674	13463	0.1595	738	723	3
184.450	0.9267	61.45189	20.57	161.21	14773	13306	0.1599	699	685	3
184.950	0.9187	61.12008	22.90	179.02	15194	13567	0.1603	683	669	3
185.450	0.9414	60.74094	16.30	127.05	14804	13546	0.1608	700	686	3
185.950	0.9306	60.46446	19.41	150.97	14810	13397	0.1612	739	724	3
186.450	0.9256	60.14060	20.89	161.99	14808	13321	0.1616	663	650	3
186.950	0.8954	59.81934	29.84	230.79	15188	13218	0.1621	736	721	3
187.450	0.9252	59.50064	20.98	161.91	14780	13292	0.1625	669	655	3
187.950	0.9376	59.18449	17.39	133.77	14537	13249	0.1629	737	722	3
188.450	0.9042	58.87085	27.18	208.55	14868	13067	0.1634	694	680	3
188.950	0.9075	58.55969	26.22	200.63	14847	13095	0.1638	640	627	3
189.450	0.9293	58.25099	19.79	151.01	14565	13156	0.1642	689	676	3
189.950	0.9149	57.94473	24.00	182.69	14585	12971	0.1647	694	680	3
190.450	0.8901	57.64088	31.44	238.69	15069	13036	0.1651	683	669	3
190.950	0.9007	57.33941	28.24	213.87	14797	12954	0.1655	634	621	3
191.450	0.8893	57.04030	31.68	239.24	14817	12807	0.1660	695	681	3
191.950	0.8942	56.74353	30.20	227.50	14730	12802	0.1664	679	665	3
192.450	0.8756	56.44906	35.88	269.57	14710	12519	0.1668	650	637	3
192.950	0.8851	56.15688	32.95	246.91	14547	12515	0.1673	712	697	3
193.450	0.8525	55.86697	43.10	322.14	14774	12241	0.1677	657	643	3
193.950	0.8440	55.57929	45.79	341.41	14520	11911	0.1681	693	679	3
194.450	0.8272	55.29383	51.21	380.78	14426	11599	0.1686	615	603	3
194.950	0.7684	55.01056	71.13	527.53	14511	10860	0.1690	658	645	3
195.450	0.7211	54.72947	88.28	653.06	14581	10220	0.1694	638	625	3
195.950	0.6843	54.45052	130.80	1003.54	14508	8521	0.1699	626	614	3
196.450	0.4826	54.17370	106.70	1447.90	14308	6711	0.1703	588	577	3
196.950	0.3303	53.89898	299.10	2195.87	14486	4650	0.1707	643	630	3
197.450	0.2434	53.62635	381.51	2793.80	14541	3440	0.1712	640	627	3
197.950	0.2680	53.35579	324.62	2590.35	14443	3774	0.1716	609	597	3
198.450	0.3914	53.08726	253.23	1845.09	14604	5556	0.1720	658	644	3
198.950	0.5729	52.82076	150.40	1093.10	14604	8132	0.1725	625	612	3
199.450	0.7317	52.55626	84.33	611.33	14605	10387	0.1729	600	588	3
199.950	0.8414	52.29374	46.63	337.23	14390	11768	0.1733	607	595	3
200.450	0.8942	52.03319	30.19	217.80	14602	12691	0.1738	614	602	3
200.950	0.9495	51.77457	13.99	100.64	14347	13241	0.1742	568	557	3
201.450	0.9444	51.51788	15.45	110.89	14331	13155	0.1746	585	573	3
201.950	0.9535	51.26310	12.86	92.05	14575	13507	0.1751	577	566	3
202.450	0.9483	51.01020	14.33	102.32	14503	13368	0.1755	542	531	3
202.950	0.9753	50.75916	6.74	48.05	14434	13683	0.1759	564	552	3
203.450	0.9590	50.50998	11.31	80.39	14628	13634	0.1764	578	567	3
203.950	0.9467	50.26262	14.78	104.79	14674	13502	0.1768	609	597	3
204.450	0.9585	50.01700	11.44	80.88	14598	13600	0.1772	528	518	3
204.950	0.9643	49.77333	9.81	69.24	14490	13581	0.1777	589	577	3
205.450	0.9735	49.53136	7.26	51.06	14506	13726	0.1781	563	552	3
205.950	0.9553	49.29115	12.35	86.74	14470	13435	0.1785	547	536	3
206.450	0.9800	49.05268	5.46	38.23	14242	13565	0.1790	569	558	3
206.950	0.9527	48.81594	13.07	91.32	14305	13247	0.1794	585	574	3
207.450	0.9738	48.58091	7.16	49.87	14330	13563	0.1798	568	547	3
207.950	0.9821	48.34750	4.88	33.94	14051	13413	0.1803	580	569	3
208.450	0.9922	48.11592	2.11	14.65	14129	13626	0.1807	567	555	3
208.950	0.9748	47.88592	6.89	47.71	14207	13461	0.1811	571	559	3
209.450	0.9702	47.65756	8.16	56.31	14140	13335	0.1816	550	539	3
209.950	0.9473	47.43084	14.63	100.74	14395	13254	0.1820	546	535	3
210.450	0.9764	47.20573	6.46	44.37	14179	13456	0.1824	538	527	3
210.950	0.9757	46.98222	6.65	45.61	14223	13488	0.1829	558	547	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
211,450	0,9508	46,76029	13,62	93,17	14273 13190	0,1833	530	520	3
211,950	0,9776	46,53993	6,12	41,74	14052 13352	0,1837	478	468	3
212,450	0,9854	46,32112	3,97	27,00	14115 13519	0,1842	476	466	3
212,950	0,9801	46,10386	5,44	36,90	14010 13346	0,1846	544	533	3
213,450	0,9799	45,98812	5,49	37,19	14090 13420	0,1850	453	444	3
213,950	0,9611	45,67389	10,72	72,42	14193 13258	0,1855	515	504	3
214,450	0,9515	45,46115	13,42	90,48	14200 13132	0,1859	493	484	3
214,950	0,9663	45,24990	9,26	62,28	14092 13235	0,1863	497	487	3
215,450	0,9723	45,04012	7,57	50,83	14006 13236	0,1868	470	460	3
215,950	0,9684	44,83180	8,68	58,10	14240 13403	0,1872	473	464	3
216,450	0,9647	44,62491	9,70	64,78	14114 13234	0,1876	499	489	3
216,950	0,9563	44,41946	12,07	80,41	14075 13083	0,1881	461	452	3
217,450	0,9518	44,21542	13,34	88,68	14253 13186	0,1885	440	431	3
217,950	0,9439	44,01278	15,59	103,44	14311 13129	0,1889	521	511	3
218,450	0,9694	43,81153	8,40	55,59	14080 13266	0,1894	478	468	3
218,950	0,9492	43,61166	14,08	92,98	14054 12966	0,1898	515	505	3
219,450	0,9580	43,41316	11,57	76,26	14116 13145	0,1902	469	460	3
219,950	0,9372	43,21601	17,52	115,18	14277 13005	0,1907	415	407	3
220,450	0,9497	43,02019	13,92	91,32	13963 12890	0,1911	489	479	3
220,950	0,9626	42,82571	10,29	67,37	14103 13195	0,1915	465	456	3
221,450	0,9510	42,63254	13,57	88,59	14179 13106	0,1920	419	411	3
221,950	0,9316	42,44067	19,14	124,69	14034 12707	0,1924	489	479	3
222,450	0,9524	42,25010	13,17	85,60	14308 13244	0,1928	456	447	3
222,950	0,9540	42,06081	12,72	82,48	13815 12809	0,1933	465	456	3
223,450	0,9403	41,87278	16,63	107,61	13994 12789	0,1937	441	432	3
223,950	0,9315	41,68602	19,16	123,70	13990 12666	0,1941	468	459	3
224,450	0,9269	41,50050	20,49	131,99	13892 12515	0,1946	452	443	3
224,950	0,8734	41,31622	36,55	234,91	13842 11751	0,1950	457	448	3
225,450	0,8316	41,13316	49,80	319,42	13809 11161	0,1955	441	432	3
225,950	0,8063	40,95132	58,14	372,04	13863 10864	0,1959	419	410	3
226,450	0,8292	40,77068	50,56	322,85	14010 11292	0,1963	421	412	3
226,950	0,8773	40,59123	35,34	225,18	13858 11817	0,1968	457	448	3
227,450	0,9009	40,41296	28,16	179,04	14084 12333	0,1972	458	449	3
227,950	0,9495	40,23587	13,99	88,74	13788 12724	0,1976	430	421	3
228,450	0,9423	40,05993	16,06	101,62	14006 12827	0,1981	420	412	3
228,950	0,9457	39,88515	15,06	95,12	13789 12675	0,1985	426	418	3
229,450	0,9464	39,71151	14,88	93,75	13887 12774	0,1989	403	395	3
229,950	0,9599	39,53900	11,05	69,51	13887 12956	0,1994	378	371	3
230,450	0,9487	39,36762	14,22	89,24	13780 12707	0,1998	403	395	3
230,950	0,9575	39,19734	11,74	73,49	13758 12804	0,2002	400	392	3
231,450	0,9774	39,02817	6,16	38,51	13610 12930	0,2007	422	414	3
231,950	0,9752	38,86009	6,78	42,26	13708 12993	0,2011	426	418	3
232,450	0,9359	38,69309	17,88	111,23	13975 12713	0,2015	399	391	3
232,950	0,9478	38,52717	14,47	89,84	13759 12675	0,2020	457	448	3
233,450	0,9551	38,36231	12,40	76,83	13669 12689	0,2024	404	396	3
233,950	0,9523	38,19851	13,19	81,54	13844 12814	0,2028	354	347	3
234,450	0,9583	38,03576	11,49	70,86	13598 12666	0,2033	404	396	3
234,950	0,9637	37,87404	9,98	61,39	13715 12847	0,2037	392	384	3
235,450	0,9676	37,71335	8,89	54,59	13598 12789	0,2041	399	391	3
235,950	0,9255	37,55369	20,90	128,07	13981 12576	0,2046	368	361	3
236,450	0,9524	37,39503	13,16	80,48	13750 12728	0,2050	391	383	3
236,950	0,9715	37,23738	7,81	47,63	13478 12726	0,2054	392	384	3
237,450	0,9509	37,08072	13,58	82,70	13719 12680	0,2059	399	391	3
237,950	0,9573	36,92505	11,78	71,59	13577 12633	0,2063	385	377	3
238,450	0,9680	36,77036	8,77	53,20	13546 12745	0,2067	382	375	3
238,950	0,9400	36,61664	16,70	101,04	13826 12632	0,2072	389	381	3
239,450	0,9410	36,46388	16,43	99,23	13631 12466	0,2076	375	367	3
239,950	0,9321	36,31207	18,97	114,34	13837 12536	0,2080	402	394	3
240,450	0,9792	36,16121	5,68	34,14	13383 12737	0,2085	410	401	3
240,950	0,9590	36,01129	11,30	67,82	13615 12690	0,2089	423	414	3
241,450	0,9738	35,86230	7,16	42,86	13482 12761	0,2093	342	335	3
241,950	0,9649	35,71423	9,65	57,68	13555 12712	0,2098	367	359	3
242,450	0,9651	35,56708	9,59	57,21	13533 12694	0,2102	343	336	3
242,950	0,9639	35,42083	9,92	59,05	13497 12645	0,2106	342	335	3
243,450	0,9582	35,27549	11,52	68,44	13459 12535	0,2111	404	396	3
243,950	0,9306	35,13103	19,41	115,03	13923 12594	0,2115	379	372	3
244,450	0,9684	34,98746	8,66	51,23	13262 12403	0,2119	394	386	3
244,950	0,9548	34,84478	12,49	73,72	13476 12506	0,2124	405	396	3
245,450	0,9686	34,70296	8,61	50,74	13511 12720	0,2128	354	347	3
245,950	0,9747	34,56200	6,91	40,63	13396 12691	0,2132	361	353	3
246,450	0,9730	34,42191	7,40	43,44	13388 12660	0,2137	366	358	3
246,950	0,9439	34,28266	15,58	91,20	13410 12303	0,2141	362	355	3
247,450	0,9515	34,14425	13,42	78,42	13494 12480	0,2145	367	360	3
247,950	0,9408	34,00669	16,47	96,06	13364 12220	0,2150	360	353	3
248,450	0,9788	33,86995	5,79	33,72	13279 12632	0,2154	344	337	3
248,950	0,9563	33,73404	12,06	70,03	13461 12512	0,2158	345	338	3
249,450	0,9581	33,59894	11,55	66,93	13364 12446	0,2163	379	372	3
249,950	0,9508	33,46465	13,63	78,87	13349 12335	0,2167	339	333	3
250,450	0,9574	33,33116	11,77	67,94	13370 12441	0,2171	360	353	3
250,950	0,9305	33,19848	19,44	111,98	13454 12168	0,2176	331	325	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,
251,450	0,9646	33,06658	9,74	56,02	13455 12614	0,2180	361	353	3
251,950	0,9348	32,93547	18,21	104,53	13443 12214	0,2184	342	335	3
252,450	0,9557	32,80513	12,24	70,13	13277 12333	0,2189	368	361	3
252,950	0,9682	32,67557	8,73	49,89	13044 12275	0,2193	338	331	3
253,450	0,9354	32,94677	18,03	102,88	13423 12203	0,2197	345	338	3
253,950	0,9803	32,41874	5,37	30,59	13113 12494	0,2202	358	351	3
254,450	0,9629	32,29146	10,22	58,07	13303 12450	0,2206	355	348	3
254,950	0,9414	32,16492	16,32	92,54	13373 12235	0,2210	363	356	3
255,450	0,9524	32,03913	13,16	74,47	13326 12336	0,2215	324	317	3
255,950	0,9441	31,91408	15,54	87,79	13366 12264	0,2219	355	348	3
256,450	0,9490	31,78975	14,14	79,73	13332 12297	0,2223	356	348	3
256,950	0,9625	31,66615	10,33	58,12	13155 12306	0,2228	348	341	3
257,450	0,9556	31,54327	12,27	60,90	13256 12312	0,2232	377	369	3
257,950	0,9411	31,42111	16,39	91,85	13406 12262	0,2236	343	336	3
258,450	0,9493	31,29965	14,06	78,67	13199 12178	0,2241	341	334	3
258,950	0,9513	31,17890	13,48	75,27	13466 12450	0,2245	154	151	3
259,450	0,9519	31,05884	13,30	74,10	13191 12205	0,2249	327	320	3
259,950	0,9552	30,93947	12,39	68,89	13045 12111	0,2254	283	278	3
260,450	0,9768	30,82080	6,35	35,23	13154 12488	0,2258	311	305	3
260,950	0,9399	30,70280	16,74	92,78	13360 12204	0,2262	321	314	3
261,450	0,9426	30,58548	15,95	88,24	13113 12014	0,2267	345	338	3
261,950	0,9547	30,46883	12,52	67,07	13402 12345	0,2271	349	342	3
262,450	0,9436	30,35285	15,68	86,38	13109 12023	0,2275	347	340	3
262,950	0,9390	30,23752	17,00	93,49	13294 12132	0,2280	328	321	3
263,450	0,9539	30,12286	12,73	69,88	13091 12137	0,2284	300	294	3
263,950	0,9541	30,00884	12,68	69,47	13226 12265	0,2288	310	304	3
264,450	0,9205	29,89547	22,38	122,35	13396 11985	0,2293	297	291	3
264,950	0,9481	29,78274	14,39	78,51	13070 12044	0,2297	306	299	3
265,450	0,9642	29,67065	9,84	53,62	12956 12142	0,2301	352	344	3
265,950	0,9523	29,55919	13,20	71,77	13092 12118	0,2306	282	276	3
266,450	0,9481	29,44836	14,38	78,05	13004 11983	0,2310	329	322	3
266,950	0,9509	29,33815	13,58	73,58	13040 12052	0,2314	316	309	3
267,450	0,9517	29,22856	13,36	72,24	13175 12187	0,2319	304	298	3
267,950	0,9478	29,11958	14,47	78,08	13030 12003	0,2323	321	315	3
268,450	0,9338	29,01120	18,49	99,60	12863 11675	0,2327	333	327	3
268,950	0,9337	28,90344	18,52	99,54	13162 11945	0,2332	307	301	3
269,450	0,9699	28,79627	8,24	44,24	12845 12109	0,2336	297	291	3
269,950	0,9553	28,68969	12,34	66,12	12784 11870	0,2340	319	313	3
270,450	0,9582	28,58371	11,54	61,69	12938 12049	0,2345	344	338	3
270,950	0,9559	28,47831	12,19	65,06	12734 11831	0,2349	324	318	3
271,450	0,9524	28,37350	13,16	70,09	12896 11938	0,2353	264	259	3
271,950	0,9417	28,26926	16,21	86,20	13127 12015	0,2358	268	262	3
272,450	0,9552	28,16560	12,38	65,68	12860 11939	0,2362	328	322	3
272,950	0,9845	28,06250	4,22	22,35	12598 12055	0,2366	335	328	3
273,450	0,9609	27,95997	10,76	56,90	12659 11823	0,2371	306	299	3
273,950	0,9392	27,85800	16,92	89,32	12945 11817	0,2375	291	285	3
274,450	0,9661	27,75659	9,30	48,99	12621 11851	0,2379	324	318	3
274,950	0,9387	27,65573	17,07	89,76	12886 11757	0,2384	317	310	3
275,450	0,9280	27,55542	20,18	105,94	12900 11635	0,2388	311	305	3
275,950	0,9528	27,45565	13,07	68,47	12731 11789	0,2392	313	307	3
276,450	0,9562	27,35643	12,08	63,20	12717 11819	0,2397	348	341	3
276,950	0,9510	27,25774	13,57	70,84	12558 11607	0,2401	323	317	3
277,450	0,9243	27,15059	24,26	110,71	12708 11488	0,2405	293	287	3
277,950	0,9535	27,06196	12,85	66,87	12565 11644	0,2410	307	301	3
278,450	0,9649	26,96486	9,66	50,15	12537 11757	0,2414	300	294	3
278,950	0,9529	26,86828	13,03	67,52	12628 11695	0,2418	267	262	3
279,450	0,9594	26,77222	11,18	57,87	12789 11925	0,2423	279	274	3
279,950	0,9404	26,67667	16,60	85,72	12740 11617	0,2427	309	293	3
280,450	0,9517	26,58163	13,35	68,84	12693 11742	0,2431	309	303	3
280,950	0,9462	26,48710	14,94	76,91	12772 11745	0,2436	283	277	3
281,450	0,9503	26,39308	13,76	70,67	12686 11718	0,2440	263	257	3
281,950	0,9411	26,29955	16,39	84,04	12893 11793	0,2444	265	260	3
282,450	0,9603	26,20652	10,94	56,00	12535 11699	0,2449	309	303	3
282,950	0,9524	26,11399	13,17	67,31	12816 11863	0,2453	327	320	3
283,450	0,9351	26,02194	18,12	92,41	12684 11528	0,2457	322	316	3
283,950	0,9550	25,93038	12,21	62,16	12547 11656	0,2462	274	269	3
284,450	0,9576	25,83930	11,71	59,53	12395 11536	0,2466	310	304	3
284,950	0,9410	25,74870	16,42	83,31	12654 11573	0,2470	334	327	3
285,450	0,9524	25,65857	13,17	66,70	12502 11573	0,2475	263	258	3
285,950	0,9587	25,56892	11,38	57,57	12457 11607	0,2479	241	236	3
286,450	0,9771	25,47973	6,25	31,56	12232 11616	0,2483	318	312	3
286,950	0,9455	25,39102	15,14	76,27	12623 11600	0,2488	294	288	3
287,450	0,9437	25,30276	15,04	70,69	12557 11517	0,2492	287	281	3
287,950	0,9502	25,21497	13,78	69,21	12567 11606	0,2496	316	309	3
288,450	0,9336	25,12763	18,56	93,03	12671 11497	0,2501	263	257	3
288,950	0,9553	25,04074	12,36	61,84	12524 11628	0,2505	227	222	3
289,450	0,9519	24,95430	13,30	66,45	12392 11465	0,2509	277	272	3
289,950	0,9459	24,86831	15,02	74,90	12479 11473	0,2514	266	261	3
290,450	0,9619	24,78277	10,49	52,21	12556 11739	0,2518	257	252	3
290,950	0,9336	24,69766	18,55	92,21	12543 11381	0,2522	270	265	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC	COUNTS		FRAC.	FAST BKGS		NO. PTS
				ROOT E	OPEN	SAMPLE	OF OCT	OPEN	SAMPLE	AVE,
291,450	0,9544	24,61299	12,61	62,54	12531	11624	0,2527	269	264	3
291,950	0,9401	24,52876	16,67	82,55	12554	11471	0,2531	255	249	3
292,450	0,9418	24,44496	16,18	79,98	12525	11465	0,2535	252	247	3
292,950	0,9501	24,36159	13,81	68,18	12506	11548	0,2540	269	264	3
293,450	0,9487	24,27864	14,22	70,07	12539	11562	0,2544	278	272	3
293,950	0,9180	24,19611	23,10	113,61	12468	11125	0,2548	269	264	3
294,450	0,9574	24,11401	11,75	57,72	12390	11529	0,2553	215	211	3
294,950	0,9551	24,03232	12,39	60,75	12516	11619	0,2557	254	249	3
295,450	0,9631	23,95105	10,16	49,73	12179	11400	0,2561	310	303	3
295,950	0,9404	23,87019	16,58	81,03	12474	11402	0,2566	256	251	3
296,450	0,9771	23,78974	6,25	30,49	12076	11469	0,2570	258	253	3
296,950	0,9581	23,70969	11,55	56,22	12241	11400	0,2574	258	253	3
297,450	0,9651	23,63005	9,60	46,65	12193	11437	0,2579	251	246	3
297,950	0,9394	23,55081	16,87	81,89	12423	11343	0,2583	246	241	3
298,450	0,9403	23,47196	16,63	80,58	12224	11171	0,2587	240	235	3
298,950	0,9605	23,39351	10,89	52,66	12173	11363	0,2592	269	264	3
299,450	0,9536	23,31546	12,82	61,91	12076	11192	0,2596	254	248	3
299,950	0,9306	23,23779	19,41	93,58	12171	11009	0,2600	284	278	3
300,450	0,9529	23,16051	13,03	62,72	12305	11396	0,2605	242	238	3
300,950	0,9494	23,08362	14,01	67,31	12176	11236	0,2609	221	217	3
301,450	0,8822	23,00711	33,84	162,29	12454	10678	0,2613	261	256	3
301,950	0,8981	22,93097	29,01	138,94	12477	10891	0,2618	249	244	3
302,450	0,8560	22,85522	41,98	200,71	12271	10209	0,2622	237	232	3
302,950	0,8145	22,77984	55,40	264,44	12231	9682	0,2626	244	239	3
303,450	0,7098	22,70483	92,54	440,96	12199	8416	0,2631	225	220	3
303,950	0,6428	22,63019	119,33	567,68	12110	7565	0,2635	269	264	3
304,450	0,6289	22,55592	125,22	594,69	12137	7418	0,2639	270	264	3
304,950	0,7030	22,48202	95,16	451,18	12012	8206	0,2644	250	245	3
305,450	0,7831	22,40847	66,00	312,45	12261	9331	0,2648	245	240	3
305,950	0,8455	22,33529	45,31	214,11	12165	9994	0,2652	284	279	3
306,450	0,9081	22,26247	26,04	122,85	12200	10764	0,2657	263	257	3
306,950	0,9090	22,19000	25,75	121,31	12061	10653	0,2661	253	248	3
307,450	0,9486	22,11788	14,23	66,94	11925	10992	0,2665	265	260	3
307,950	0,9310	22,04612	19,30	90,63	12196	11033	0,2670	249	244	3
308,450	0,9639	21,97470	9,93	46,55	11892	11139	0,2674	241	236	3
308,950	0,9761	21,90363	6,53	30,57	11820	11212	0,2678	266	260	3
309,450	0,9552	21,83291	12,37	57,81	12061	11197	0,2683	231	227	3
309,950	0,9404	21,76252	16,58	77,36	12052	11015	0,2687	233	228	3
310,450	0,9639	21,69248	9,93	46,26	12061	11299	0,2691	218	214	3
310,950	0,9509	21,62278	13,59	63,21	11969	11061	0,2696	233	228	3
311,450	0,9533	21,55340	12,91	59,92	12049	11164	0,2700	216	212	3
311,950	0,9354	21,48437	18,04	83,60	12072	10975	0,2704	206	202	3
312,450	0,9625	21,41566	10,33	47,81	11794	11032	0,2709	237	232	3
312,950	0,9406	21,34728	16,52	76,35	11835	10820	0,2713	251	246	3
313,450	0,9474	21,27923	14,59	67,29	11770	10838	0,2717	261	256	3
313,950	0,9426	21,21151	15,96	73,53	11820	10829	0,2722	250	245	3
314,450	0,9629	21,14411	10,22	46,99	11723	10971	0,2726	235	231	3
314,950	0,9354	21,07703	18,04	82,81	11749	10681	0,2730	226	221	3
315,450	0,9476	21,01026	14,54	66,66	11572	10657	0,2735	207	203	3
315,950	0,9528	20,94382	13,07	59,80	11737	10869	0,2739	243	238	3
316,450	0,9520	20,87769	13,28	60,66	11795	10913	0,2743	219	214	3
316,950	0,9436	20,81187	15,67	71,49	11753	10779	0,2748	253	248	3
317,450	0,9536	20,74636	12,84	58,49	11961	11085	0,2752	198	194	3
317,950	0,9505	20,68116	13,70	62,32	11867	10963	0,2756	244	239	3
318,450	0,9116	20,61627	24,97	113,40	12295	10894	0,2761	228	224	3
318,950	0,9536	20,55168	12,82	58,12	11753	10893	0,2765	218	213	3
319,450	0,9514	20,48740	13,44	60,84	11824	10934	0,2769	224	219	3
319,950	0,9558	20,42341	12,20	55,13	11728	10895	0,2774	206	202	3
320,450	0,9469	20,35973	14,74	66,51	11921	10971	0,2778	200	196	3
320,950	0,9633	20,29634	10,09	45,46	11770	11020	0,2782	196	192	3
321,450	0,9376	20,23325	17,41	78,30	11767	10722	0,2787	233	229	3
321,950	0,9502	20,17046	13,80	61,96	11683	10789	0,2791	203	199	3
322,450	0,9628	20,10795	10,25	45,94	11757	11001	0,2795	213	209	3
322,950	0,9154	20,04573	23,86	106,84	11909	10596	0,2800	217	212	3
323,450	0,9560	19,98381	12,14	54,26	11709	10879	0,2804	212	208	3
323,950	0,9364	19,92217	17,74	79,19	11687	10636	0,2808	193	189	3
324,450	0,9333	19,86081	18,65	83,10	11875	10771	0,2813	197	193	3
324,950	0,9358	19,79974	17,92	79,74	11679	10622	0,2817	220	215	3
325,450	0,9286	19,73895	19,99	88,83	11819	10667	0,2821	245	240	3
325,950	0,9476	19,67844	14,53	64,47	11625	10706	0,2826	170	166	3
326,450	0,9447	19,61820	15,36	68,05	11583	10635	0,2830	183	179	3
326,950	0,9310	19,55824	19,31	85,38	11760	10641	0,2834	210	205	3
327,450	0,9656	19,49856	9,45	41,73	11429	10726	0,2839	206	202	3
327,950	0,9314	19,43915	19,20	84,64	11638	10534	0,2843	196	193	3
328,450	0,9665	19,38001	9,20	40,49	11451	10757	0,2847	193	189	3
328,950	0,9448	19,32114	15,33	67,39	11370	10441	0,2852	177	174	3
329,450	0,9399	19,26254	16,74	73,48	11568	10567	0,2856	204	200	3
329,950	0,9482	19,20420	14,35	62,88	11501	10600	0,2860	200	196	3
330,450	0,9533	19,14613	12,90	56,45	11394	10557	0,2865	198	194	3
330,950	0,9496	19,08832	13,95	60,96	11461	10578	0,2869	205	201	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.
331,450	0,9468	19,03078	14,77	64,44	11304 10402	0,2873	193 189	3
331,950	0,9666	18,97349	9,16	39,92	11301 10617	0,2878	198 194	3
332,450	0,9577	18,91646	11,67	50,78	11353 10567	0,2882	185 181	3
332,950	0,9244	18,85969	21,21	92,12	11485 10319	0,2886	177 174	3
333,450	0,9144	18,80317	24,17	104,81	11530 10247	0,2891	180 176	3
333,950	0,9204	18,74691	22,40	97,01	11515 10301	0,2895	205 201	3
334,450	0,9558	18,69090	12,20	52,76	11230 10433	0,2899	189 186	3
334,950	0,9547	18,63514	12,50	53,97	11352 10534	0,2904	199 195	3
335,450	0,9445	18,57963	15,42	66,48	11305 10377	0,2908	194 190	3
335,950	0,9459	18,52436	15,03	64,69	11314 10401	0,2912	167 163	3
336,450	0,9683	18,46934	8,69	37,34	11392 10721	0,2917	178 174	3
336,950	0,9430	18,41457	15,86	68,05	11477 10518	0,2921	177 174	3
337,450	0,9390	18,36004	17,00	72,83	11458 10457	0,2925	181 177	3
337,950	0,9532	18,30576	12,93	55,34	11411 10572	0,2930	188 185	3
338,450	0,9408	18,25171	16,48	70,41	11355 10382	0,2934	178 174	3
338,950	0,9694	18,19790	8,38	35,74	11231 10582	0,2938	176 173	3
339,450	0,9395	18,14433	16,84	71,74	11427 10434	0,2943	174 170	3
339,950	0,9416	18,09100	16,25	69,10	11522 10544	0,2947	146 143	3
340,450	0,9336	18,03790	18,57	78,85	11415 10357	0,2951	184 180	3
340,950	0,9567	17,98503	11,96	50,72	11297 10504	0,2956	167 164	3
341,450	0,9604	17,93240	10,92	46,23	11327 10573	0,2960	191 187	3
341,950	0,9333	17,87999	18,64	78,81	11490 10422	0,2964	169 166	3
342,450	0,9772	17,82782	6,23	26,30	11262 10695	0,2969	181 178	3
342,950	0,9300	17,77587	19,59	82,57	11478 10373	0,2973	151 148	3
343,450	0,9264	17,72415	20,64	86,90	11380 10243	0,2977	174 170	3
343,950	0,9469	17,67266	14,73	61,92	11196 10301	0,2982	191 187	3
344,450	0,9381	17,62139	17,25	72,43	11315 10313	0,2986	215 211	3
344,950	0,9612	17,57034	10,70	44,03	11242 10499	0,2990	173 169	3
345,450	0,9397	17,51952	16,78	70,24	11302 10320	0,2995	166 162	3
345,950	0,9518	17,46891	13,33	55,72	11236 10392	0,2999	174 171	3
346,450	0,9277	17,41853	20,27	84,61	11402 10278	0,3003	175 172	3
346,950	0,9691	17,36836	8,46	35,27	11163 10514	0,3008	147 144	3
347,450	0,9539	17,31841	12,74	53,01	11314 10489	0,3012	163 160	3
347,950	0,9428	17,26867	15,92	66,14	11160 10224	0,3016	182 178	3
348,450	0,9549	17,21915	12,46	51,70	11297 10484	0,3021	189 185	3
348,950	0,9434	17,16984	15,74	65,21	11260 10324	0,3025	182 178	3
349,450	0,9562	17,12074	12,08	49,99	10976 10200	0,3029	182 178	3
349,950	0,9359	17,07185	17,88	73,90	11284 10264	0,3034	162 159	3
350,450	0,9818	17,02317	4,97	20,52	11054 10548	0,3038	155 152	3
350,950	0,9550	16,97470	12,43	51,20	11168 10366	0,3043	174 171	3
351,450	0,9568	16,92643	11,92	49,06	11030 10257	0,3047	178 174	3
351,950	0,9557	16,87837	12,22	50,21	11167 10373	0,3051	164 160	3
352,450	0,9468	16,83052	9,10	37,35	10997 10334	0,3056	155 152	3
352,950	0,9643	16,78287	9,82	40,25	11055 10361	0,3060	106 104	3
353,450	0,9541	16,73542	12,68	51,86	11009 10209	0,3064	184 180	3
353,950	0,9611	16,68817	10,72	43,79	10976 10253	0,3069	147 144	3
354,450	0,9636	16,64112	10,01	40,82	10846 10158	0,3073	185 182	3
354,950	0,9767	16,59427	6,38	25,97	10962 10405	0,3077	167 164	3
355,450	0,9640	16,54762	9,91	40,30	10879 10192	0,3082	164 160	3
355,950	0,9357	16,50116	17,94	72,89	11025 10076	0,3086	154 151	3
356,450	0,9527	16,45490	13,08	53,07	10844 10041	0,3090	155 152	3
356,950	0,9582	16,40884	11,52	46,66	10958 10205	0,3095	166 163	3
357,450	0,9461	16,36296	14,95	60,47	10944 10085	0,3099	159 156	3
357,950	0,9498	16,31728	13,89	56,13	10880 10044	0,3103	160 157	3
358,450	0,9378	16,27179	17,33	69,90	10988 10016	0,3108	163 159	3
358,950	0,9629	16,22649	10,20	41,11	10978 10274	0,3112	130 127	3
359,450	0,9402	16,18138	16,64	66,93	11073 10118	0,3116	129 126	3
359,950	0,9489	16,13646	14,16	56,86	11006 10150	0,3121	144 141	3
360,450	0,9463	16,09172	14,89	59,73	10917 10041	0,3125	144 142	3
360,950	0,9321	16,04717	18,97	76,01	11032 9994	0,3129	153 150	3
361,450	0,9204	16,00200	22,40	89,61	11010 9849	0,3134	176 172	3
361,950	0,9276	15,95862	20,30	81,09	10983 9901	0,3138	128 125	3
362,450	0,9391	15,91462	16,96	67,65	10901 9949	0,3142	170 166	3
362,950	0,9619	15,87081	10,49	41,80	10647 9953	0,3147	168 164	3
363,450	0,9389	15,82717	17,02	67,71	10990 10028	0,3151	141 138	3
363,950	0,9527	15,78371	13,07	51,92	10878 10072	0,3155	152 149	3
364,450	0,9339	15,74043	12,73	50,51	10814 10026	0,3160	157 154	3
364,950	0,9382	15,69733	17,23	68,25	10982 10013	0,3164	138 136	3
365,450	0,9438	15,65441	15,63	61,83	10853 9954	0,3168	136 133	3
365,950	0,9711	15,61166	7,91	31,25	10603 10007	0,3173	169 165	3
366,450	0,9191	15,56909	22,79	89,92	10957 9787	0,3177	135 132	3
366,950	0,9652	15,52669	9,57	37,72	10706 10042	0,3181	119 119	3
367,450	0,9354	15,48446	18,03	70,95	10810 9827	0,3186	158 155	3
367,950	0,9500	15,44241	13,85	54,41	10628 9812	0,3190	160 157	3
368,450	0,9343	15,40052	18,34	71,98	10780 9788	0,3194	142 139	3
368,950	0,9629	15,35881	10,22	40,06	10665 9979	0,3199	143 140	3
369,450	0,9518	15,31726	13,35	52,24	10748 9941	0,3203	153 150	3
369,950	0,9419	15,27589	16,15	63,11	10740 9831	0,3207	127 124	3
370,450	0,9571	15,23468	11,83	46,17	10623 9881	0,3212	136 133	3
370,950	0,9485	15,19364	14,26	55,60	10621 9790	0,3216	155 152	3

DELAY	TRANS.	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN SAMPLE	FRAC, OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE,
371,450	0,9657	15,15276	9,42	36,68	10514 9867	0,3220	139 136	3
371,950	0,9577	15,11205	11,67	45,36	10632 9895	0,3225	140 137	3
372,450	0,9466	15,07150	14,81	57,50	10599 9750	0,3229	164 161	3
372,950	0,9690	15,03112	8,49	32,91	10603 9984	0,3233	136 133	3
373,450	0,9736	14,99090	7,21	27,92	10454 9891	0,3238	134 131	3
373,950	0,9455	14,95084	15,14	58,55	10642 9778	0,3242	112 110	3
374,450	0,9412	14,91094	16,36	63,19	10695 9783	0,3246	153 150	3
374,950	0,9313	14,87119	19,22	74,10	10855 9824	0,3251	125 123	3
375,450	0,9785	14,83161	5,86	22,55	10353 9846	0,3255	123 120	3
375,950	0,9436	14,79219	15,67	60,27	10688 9801	0,3259	144 141	3
376,450	0,9528	14,75292	13,07	50,19	10473 9697	0,3264	137 135	3
376,950	0,9658	14,71381	9,39	36,02	10526 9880	0,3268	145 142	3
377,450	0,9222	14,67485	21,86	83,75	10621 9519	0,3272	143 141	3
377,950	0,9605	14,63605	10,88	41,62	10527 9827	0,3277	123 120	3
378,450	0,9567	14,59740	11,95	45,65	10393 9663	0,3281	111 109	3
378,950	0,9546	14,55891	12,55	47,90	10478 9720	0,3285	121 118	3
379,450	0,9181	14,52056	23,08	87,95	10595 9453	0,3290	118 116	3
379,950	0,9206	14,48237	22,33	84,97	10615 9497	0,3294	153 150	3
380,450	0,9345	14,44433	18,28	69,46	10556 9587	0,3298	130 128	3
380,950	0,9403	14,40644	16,63	63,13	10540 9631	0,3303	123 121	3
381,450	0,9459	14,36869	15,02	56,92	10462 9617	0,3307	125 123	3
381,950	0,9580	14,33110	11,59	43,86	10408 9689	0,3311	139 136	3
382,450	0,9543	14,29365	12,63	47,75	10416 9659	0,3316	123 121	3
382,950	0,9603	14,25635	10,93	41,27	10297 9609	0,3320	141 138	3
383,450	0,9403	14,21920	16,62	62,68	10540 9631	0,3324	125 123	3
383,950	0,9334	14,18219	18,61	70,09	10542 9563	0,3329	141 138	3
384,450	0,9589	14,14532	11,33	42,61	10382 9675	0,3333	90 89	3
384,950	0,9351	14,10860	18,13	68,10	10396 9447	0,3337	119 117	3
385,450	0,9363	14,07202	17,76	66,63	10394 9458	0,3342	139 136	3
385,950	0,9480	14,03558	14,43	54,05	10267 9459	0,3346	138 135	3
386,450	0,9636	13,99929	10,02	37,48	10311 9656	0,3350	125 123	3
386,950	0,9599	13,96313	11,05	41,27	10314 9622	0,3355	128 126	3
387,450	0,9654	13,92712	9,52	35,51	10260 9626	0,3359	117 115	3
387,950	0,9643	13,89124	9,81	36,56	10267 9623	0,3363	113 111	3
388,450	0,9390	13,85550	17,00	63,28	10338 9434	0,3368	120 117	3
388,950	0,9744	13,81990	7,01	26,04	10147 9609	0,3372	129 126	3
389,450	0,9526	13,78444	13,12	48,70	10316 9590	0,3376	124 122	3
389,950	0,9428	13,74911	15,91	59,01	10132 9283	0,3381	119 117	3
390,450	0,9534	13,71392	12,88	47,68	10243 9491	0,3385	88 86	3
390,950	0,9421	13,67887	16,10	59,56	10257 9391	0,3389	135 132	3
391,450	0,9667	13,64395	9,14	33,75	10034 9428	0,3394	113 111	3
391,950	0,9435	13,60916	15,71	57,97	10249 9398	0,3398	104 102	3
392,450	0,9612	13,57450	10,69	39,40	10069 9406	0,3402	122 119	3
392,950	0,9578	13,53998	11,65	42,86	10136 9435	0,3407	113 111	3
393,450	0,9629	13,50559	10,21	37,52	10040 9396	0,3411	151 148	3
393,950	0,9670	13,47133	9,06	33,24	10043 9439	0,3415	110 108	3
394,450	0,9386	13,43720	17,10	62,67	10146 9256	0,3420	125 123	3
394,950	0,9488	13,40319	14,19	51,97	10221 9425	0,3424	130 128	3
395,450	0,9513	13,36932	13,48	49,29	10037 9280	0,3428	105 103	3
395,950	0,9209	13,33558	22,26	81,27	10239 9164	0,3433	119 117	3
396,450	0,9701	13,30196	8,20	29,93	10141 9561	0,3437	129 127	3
396,950	0,9495	13,26847	13,99	50,98	10058 9281	0,3441	128 125	3
397,450	0,9504	13,23511	13,73	49,96	10095 9325	0,3446	145 142	3
397,950	0,9426	13,20187	15,96	57,99	10033 9191	0,3450	127 124	3
398,450	0,9179	13,16876	23,13	83,92	10175 9077	0,3454	141 138	3
398,950	0,9617	13,13577	10,55	38,24	9971 9319	0,3459	115 112	3
399,450	0,9665	13,10291	9,20	33,30	9920 9318	0,3463	122 119	3
399,950	0,9694	13,07017	8,39	30,35	9893 9321	0,3467	117 115	3
400,450	0,9667	13,03755	9,15	33,03	9877 9280	0,3472	111 109	3
400,950	0,9382	13,00505	17,21	62,07	10107 9216	0,3476	118 116	3
401,450	0,9329	12,97268	18,77	67,59	9964 9034	0,3480	132 129	3
401,950	0,9236	12,94042	21,47	77,23	10134 9096	0,3485	106 104	3
402,450	0,9523	12,90829	13,18	47,36	9877 9142	0,3489	123 121	3
402,950	0,9763	12,87627	6,47	23,21	9867 9362	0,3493	105 103	3
403,450	0,9577	12,84438	11,67	41,81	9911 9225	0,3498	121 118	3
403,950	0,9663	12,81260	9,25	33,11	9988 9380	0,3502	108 105	3
404,450	0,9261	12,78094	20,74	74,13	10079 9072	0,3506	130 128	3
404,950	0,9568	12,74940	11,93	42,61	9910 9215	0,3511	126 123	3
405,450	0,9560	12,71797	12,16	43,35	10088 9373	0,3515	129 127	3
405,950	0,9520	12,68666	13,28	47,30	9992 9245	0,3519	120 117	3
406,450	0,9526	12,65547	13,10	46,62	10012 9270	0,3524	125 123	3
406,950	0,9504	12,62439	13,75	48,85	10008 9244	0,3528	131 128	3
407,450	0,9705	12,59343	8,09	28,72	9760 9206	0,3532	146 143	3
407,950	0,9361	12,56258	17,84	63,24	9884 8992	0,3537	127 124	3
408,450	0,9125	12,53184	24,74	87,57	10065 8926	0,3541	101 99	3
408,950	0,9578	12,50121	11,64	41,16	9762 9087	0,3545	88 86	3
409,450	0,9626	12,47070	10,30	36,37	9692 9087	0,3550	127 124	3
409,950	0,9585	12,44030	11,43	40,32	9826 9154	0,3554	111 109	3
410,450	0,9461	12,41001	14,95	52,67	9904 9107	0,3558	146 143	3
410,950	0,9553	12,37983	12,34	43,43	9819 9116	0,3563	92 90	3

DELAY	TRANS.	ENERGY	X*SEC	X*SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,
411,450	0,9560	12,34976	12,14	42,66	9631 8949	0,3567	100	98	3
411,950	0,9912	12,31980	2,38	8,34	9510 9161	0,3571	132	129	3
412,450	0,9700	12,28995	8,23	28,87	9599 9049	0,3576	121	118	3
412,950	0,9349	12,26020	18,17	63,64	9814 8917	0,3580	142	140	3
413,450	0,9223	12,23057	21,85	76,42	9919 8891	0,3584	120	117	3
413,950	0,9480	12,20104	14,43	50,41	9698 8935	0,3589	114	111	3
414,450	0,9278	12,17162	20,25	70,64	9896 8923	0,3593	115	112	3
414,950	0,9636	12,14230	10,02	34,92	9683 9067	0,3597	118	116	3
415,450	0,9379	12,11309	17,32	60,27	9381 8550	0,3602	379	372	3
415,950	0,9541	12,08399	12,67	44,05	9120 8456	0,3606	531	520	3
416,450	0,9477	12,05499	14,50	50,36	9473 8724	0,3610	372	364	3
416,950	0,9620	12,02609	10,46	36,27	9653 9022	0,3615	117	115	3
417,450	0,9443	11,99730	15,46	53,55	9638 8842	0,3619	97	95	3
417,950	0,9151	11,96862	23,96	82,89	9837 8744	0,3623	117	115	3
418,450	0,9414	11,94003	16,31	56,37	9724 8891	0,3628	111	109	3
418,950	0,9530	11,91155	13,00	44,88	9579 8867	0,3632	116	114	3
419,450	0,9563	11,88317	12,06	41,57	9588 8906	0,3636	109	107	3
419,950	0,9467	11,85489	14,78	50,88	9671 8893	0,3641	106	104	3
420,450	0,9763	11,82671	6,47	22,27	9406 8920	0,3645	106	104	3
420,950	0,9388	11,79863	17,06	58,59	9760 8901	0,3649	108	105	3
421,450	0,9365	11,77065	17,70	60,74	9703 8829	0,3654	106	104	3
421,950	0,9421	11,74277	16,09	55,15	9735 8912	0,3658	100	98	3
422,450	0,9737	11,71499	7,18	24,58	9421 8915	0,3662	109	107	3
422,950	0,9489	11,68731	14,17	48,45	9515 8774	0,3667	115	112	3
423,450	0,9459	11,65972	15,03	51,33	9522 8753	0,3671	140	137	3
423,950	0,9558	11,63224	12,22	41,67	9437 8765	0,3675	114	111	3
424,450	0,9150	11,60485	24,00	81,74	9604 8540	0,3680	123	121	3
424,950	0,9961	11,57756	1,06	3,60	9344 9094	0,3684	400	40	0
425,450	0,9443	11,55036	15,48	52,60	9507 8724	0,3688	111	109	3
425,950	0,9404	11,52326	16,59	56,32	9520 8701	0,3693	115	112	3
426,450	0,9698	11,49425	8,27	28,03	9398 8858	0,3697	110	108	3
426,950	0,9480	11,46934	14,42	48,85	9556 8804	0,3701	128	126	3
427,450	0,9359	11,44253	17,88	60,47	9546 8803	0,3706	97	95	3
427,950	0,9354	11,41580	18,04	60,95	9524 8658	0,3710	135	133	3
428,450	0,9395	11,38917	16,84	56,82	9438 8618	0,3714	124	122	3
428,950	0,9449	11,36264	15,30	51,56	9465 8692	0,3719	116	114	3
429,450	0,9745	11,33620	6,98	23,50	9232 8743	0,3723	120	117	3
429,950	0,9401	11,30984	16,67	56,08	9279 8477	0,3727	123	121	3
430,450	0,9537	11,28359	12,81	43,02	9293 8613	0,3732	127	124	3
430,950	0,9510	11,25742	13,55	45,48	9254 8553	0,3736	106	104	3
431,450	0,9980	11,23134	0,55	1,84	9134 8858	0,3740	112	110	3
431,950	0,9759	11,20535	6,57	22,00	9194 8719	0,3745	96	94	3
432,450	0,9628	11,17946	10,24	34,25	9178 8587	0,3749	117	115	3
432,950	0,9481	11,15365	14,39	48,07	9268 8538	0,3753	99	97	3
433,450	0,9564	11,12793	12,02	40,11	9242 8589	0,3758	133	130	3
433,950	0,9851	11,10231	4,07	13,55	9169 8776	0,3762	105	103	3
434,450	0,9674	11,07677	8,94	29,74	9288 8730	0,3766	117	115	3
434,950	0,9471	11,05131	14,66	40,75	9392 8642	0,3771	100	98	3
435,450	0,9399	11,02595	16,73	55,56	9241 8437	0,3775	127	124	3
435,950	0,9100	11,00067	23,11	76,43	9438 8415	0,3779	122	120	3
436,450	0,9767	10,97548	6,36	21,06	9132 8662	0,3784	125	122	3
436,950	0,9417	10,95038	16,22	53,69	9246 8456	0,3788	127	125	3
437,450	0,9382	10,92536	17,21	56,95	9383 8455	0,3792	97	95	3
437,950	0,9517	10,90043	13,38	44,18	9142 8450	0,3797	110	108	3
438,450	0,9603	10,87558	10,95	36,11	9153 8536	0,3801	106	104	3
438,950	0,9562	10,85082	12,10	39,85	8978 8338	0,3805	110	108	3
439,450	0,9518	10,82614	13,35	43,91	9192 8498	0,3810	110	108	3
439,950	0,9438	10,80155	15,62	51,32	9224 8457	0,3814	115	113	3
440,450	0,9625	10,77704	10,31	33,86	9267 8665	0,3818	97	95	3
440,950	0,9407	10,75261	16,50	54,10	9129 8344	0,3823	117	115	3
441,450	0,9824	10,72827	4,78	15,66	9074 8662	0,3827	121	119	3
441,950	0,9510	10,70400	13,57	44,38	9055 8367	0,3831	103	101	3
442,450	0,9496	10,67983	13,97	45,66	9038 8339	0,3836	126	123	3
442,950	0,9699	10,65573	8,25	26,93	9033 8514	0,3840	131	128	3
443,450	0,9364	10,63171	17,73	57,83	9076 8259	0,3844	109	107	3
443,950	0,9397	10,60778	16,78	54,66	9066 8279	0,3849	128	126	3
444,450	0,9246	10,58392	21,15	68,82	9194 8261	0,3853	122	120	3
444,950	0,9642	10,56015	9,83	31,94	9091 8519	0,3857	127	124	3
445,450	0,9454	10,53646	15,17	49,23	8986 8255	0,3862	122	120	3
445,950	0,9585	10,51284	11,44	37,10	9100 8476	0,3866	112	110	3
446,450	0,9189	10,48931	22,84	73,96	9206 8221	0,3870	115	113	3
446,950	0,9571	10,46585	11,85	38,33	8931 8307	0,3875	87	85	3
447,450	0,9458	10,44248	15,06	48,66	8942 8219	0,3879	105	103	3
447,950	0,9246	10,41918	21,16	68,31	9180 8249	0,3883	91	89	3
448,450	0,9524	10,39596	13,18	42,48	8953 8287	0,3888	116	114	3
448,950	0,9354	10,37281	18,04	58,10	8976 8159	0,3892	108	106	3
449,450	0,9726	10,34975	7,51	24,15	8808 8325	0,3896	139	136	3
449,950	0,9565	10,32676	11,99	38,55	8919 8292	0,3901	68	66	3
450,450	0,9383	10,30385	17,19	55,17	8878 8096	0,3905	152	149	3
450,950	0,9350	10,28101	18,15	58,19	9084 8254	0,3909	110	108	3

DELAY	TRANS.	ENERGY	X=SEC	X=SEC ROOT E	COUNTS		FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
					OPEN	SAMPLE				
451,450	0,9574	10,25825	11,76	37,67	8824	8210	0,3914	106	104	3
451,950	0,9303	10,23556	19,50	62,39	8990	8129	0,3918	122	120	3
452,450	0,9456	10,21295	15,10	48,26	8874	8155	0,3922	99	97	3
452,950	0,9529	10,19042	13,03	41,59	8854	8200	0,3927	149	146	3
453,450	0,9517	10,16796	13,35	42,58	8981	8307	0,3931	98	96	3
453,950	0,9722	10,14557	7,60	24,21	8754	8271	0,3935	109	107	3
454,450	0,9351	10,12326	18,11	57,62	8854	8047	0,3940	103	101	3
454,950	0,9603	10,10102	10,94	34,77	8818	8229	0,3944	92	90	3
455,450	0,9291	10,07885	19,85	63,02	8954	8085	0,3948	79	77	3
455,950	0,9361	10,05676	17,84	56,57	8898	8095	0,3953	75	73	3
456,450	0,9537	10,03474	12,79	40,52	8795	8152	0,3957	111	109	3
456,950	0,9648	10,01279	9,68	30,64	8719	8175	0,3961	118	116	3
457,450	0,9574	9,99092	11,75	37,14	8936	8315	0,3966	87	85	3
457,950	0,9333	9,96911	18,63	58,81	8810	7992	0,3970	96	94	3
458,450	0,9532	9,94738	12,95	40,85	8698	8057	0,3974	114	111	3
458,950	0,9316	9,92572	19,14	60,31	8826	7990	0,3979	110	108	3
459,450	0,9299	9,90412	19,64	61,80	8880	8025	0,3983	109	107	3
459,950	0,9573	9,88260	11,79	37,05	8739	8131	0,3987	117	115	3
460,450	0,9592	9,86115	11,25	35,33	8639	8053	0,3992	127	124	3
460,950	0,9639	9,83977	9,92	31,13	8563	8022	0,3996	129	127	3
461,450	0,9335	9,81846	18,59	58,25	8723	7913	0,4000	126	123	3
461,950	0,9759	9,79721	6,59	20,64	8548	8107	0,4005	119	116	3
462,450	0,9805	9,77604	5,32	16,64	8445	8047	0,4009	142	139	3
462,950	0,9392	9,75493	16,93	52,88	8837	8066	0,4013	80	78	3
463,450	0,9379	9,73390	17,31	54,02	8762	7986	0,4018	133	130	3
463,950	0,9483	9,71293	14,34	44,70	8626	7949	0,4022	110	108	3
464,450	0,9604	9,69203	10,92	33,99	8667	8089	0,4026	99	97	3
464,950	0,9531	9,67119	12,96	40,30	8549	7919	0,4031	93	91	3
465,450	0,9543	9,65043	12,63	39,24	8536	7917	0,4035	135	133	3
465,950	0,9613	9,62973	10,65	33,03	8525	7965	0,4039	117	115	3
466,450	0,9384	9,60909	17,17	53,22	8688	7923	0,4044	104	102	3
466,950	0,9712	9,58852	7,89	24,42	8534	8056	0,4048	98	96	3
467,450	0,9698	9,56802	8,27	25,58	8370	7889	0,4052	120	117	3
467,950	0,9464	9,54759	14,87	45,93	8611	7921	0,4057	100	98	3
468,450	0,9497	9,52722	13,94	43,03	8522	7865	0,4061	106	104	3
468,950	0,9329	9,50691	18,75	57,80	8543	7746	0,4065	137	134	3
469,450	0,9482	9,48667	14,36	44,23	8546	7875	0,4070	121	119	3
469,950	0,9383	9,46650	17,19	52,90	8622	7862	0,4074	104	102	3
470,450	0,9457	9,44638	15,08	46,35	8497	7809	0,4078	121	118	3
470,950	0,9361	9,42634	17,82	54,72	8561	7789	0,4083	114	111	3
471,450	0,9604	9,40635	10,92	33,49	8369	7812	0,4087	137	134	3
471,950	0,9575	9,38643	11,72	35,89	8423	7838	0,4091	105	103	3
472,450	0,9566	9,36658	11,98	36,68	8421	7829	0,4096	114	111	3
472,950	0,9670	9,34678	9,07	27,71	8463	7954	0,4100	92	90	3
473,450	0,9600	9,32705	11,02	33,65	8255	7702	0,4104	109	107	3
473,950	0,9891	9,30738	2,95	9,00	8321	7999	0,4109	94	92	3
474,450	0,9564	9,28777	12,02	36,64	8247	7666	0,4113	106	104	3
474,950	0,9642	9,26823	9,84	29,94	8371	7844	0,4117	127	125	3
475,450	0,9572	9,24875	11,80	35,88	8286	7708	0,4122	91	89	3
475,950	0,9536	9,22932	12,84	39,00	8401	7786	0,4126	97	95	3
476,450	0,9363	9,20996	17,76	53,89	8419	7662	0,4131	126	123	3
476,950	0,9449	9,19066	15,30	46,38	8452	7762	0,4135	105	103	3
477,450	0,9581	9,17142	11,57	35,04	8210	7644	0,4139	110	108	3
477,950	0,9467	9,15224	14,78	44,71	8386	7716	0,4144	129	127	3
478,450	0,9546	9,13313	12,53	37,87	8178	7588	0,4148	103	101	3
478,950	0,9652	9,11407	9,55	28,85	8212	7703	0,4152	102	100	3
479,450	0,9510	9,09507	13,50	40,95	8451	7810	0,4157	93	91	3
479,950	0,9356	9,07613	17,96	54,11	8394	7633	0,4161	102	100	3
480,450	0,9501	9,05725	13,81	41,56	8199	7571	0,4165	113	110	3
480,950	0,9285	9,03842	20,03	60,21	8250	7445	0,4170	98	96	3
481,450	0,9492	9,01966	14,06	42,24	8246	7607	0,4174	88	87	3
481,950	0,9662	9,00095	9,30	27,89	8058	7566	0,4178	114	111	3
482,450	0,9458	8,98231	15,05	45,10	8309	7638	0,4183	96	94	3
482,950	0,9359	8,96372	17,88	53,52	8271	7524	0,4187	98	96	3
483,450	0,9320	8,94519	19,00	56,84	8261	7483	0,4191	105	103	3
483,950	0,9603	8,92671	10,93	32,66	8082	7543	0,4196	108	106	3
484,450	0,9407	8,90830	16,50	49,25	8194	7492	0,4200	114	111	3
484,950	0,9290	8,88994	19,89	59,31	8347	7536	0,4204	113	110	3
485,450	0,9553	8,87163	12,36	36,81	8096	7516	0,4209	121	119	3
485,950	0,9472	8,85339	14,64	43,57	8117	7472	0,4213	104	102	3
486,450	0,9274	8,83520	20,36	60,53	8250	7435	0,4217	126	123	3
486,950	0,9603	8,81706	10,93	32,46	8163	7619	0,4222	127	125	3
487,450	0,9420	8,79898	16,12	47,83	8010	7334	0,4226	117	115	3
487,950	0,9241	8,78096	21,32	63,19	8128	7300	0,4230	123	121	3
488,450	0,9505	8,76299	13,69	40,54	8011	7401	0,4235	99	97	3
488,950	0,9416	8,74508	16,26	48,09	8108	7419	0,4239	99	97	3
489,450	0,9525	8,72722	13,15	38,86	8112	7509	0,4243	126	123	3
489,950	0,9307	8,70942	19,38	57,21	8052	7283	0,4248	96	94	3
490,450	0,9326	8,69167	18,85	55,57	8136	7374	0,4252	117	115	3
490,950	0,9612	8,67397	10,69	31,48	8017	7490	0,4256	115	113	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E.	COUNTS OPEN	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.	
491.450	0.9531	8.65633	12.98	38.18	8010	7420	0.4261	104	102	3
491.950	0.9237	8.63874	21.44	63.03	8268	7422	0.4265	109	107	3
492.450	0.9725	8.62121	7.53	22.12	7824	7395	0.4269	113	110	3
492.950	0.9517	8.60373	13.37	39.21	7991	7391	0.4274	127	124	3
493.450	0.9452	8.58630	15.23	44.62	7917	7272	0.4278	111	109	3
493.950	0.9654	8.56893	9.52	27.87	8012	7517	0.4282	91	89	3
494.450	0.8945	8.55161	30.11	88.06	8076	7020	0.4287	101	99	3
494.950	0.9308	8.53434	19.38	56.60	8042	7275	0.4291	106	104	3
495.450	0.9555	8.51712	12.30	35.90	7963	7394	0.4295	87	85	3
495.950	0.9397	8.49996	16.78	48.93	8047	7386	0.4300	100	98	3
496.450	0.9503	8.48284	13.77	40.11	7860	7259	0.4304	110	108	3
496.950	0.9558	8.46578	12.20	35.48	7917	7355	0.4308	109	107	3
497.450	0.9384	8.44877	17.16	49.87	7887	7193	0.4313	121	118	3
497.950	0.9620	8.43182	10.46	30.37	7781	7275	0.4317	91	89	3
498.450	0.9281	8.41491	20.16	58.48	7969	7188	0.4321	91	89	3
498.950	0.9350	8.39805	18.15	52.60	7901	7179	0.4326	103	101	3
499.450	0.9509	8.38124	13.60	39.37	7883	7285	0.4330	99	97	3
499.950	0.9175	8.36449	23.24	67.21	8024	7155	0.4334	109	107	3
500.450	0.9729	8.34778	7.43	21.46	7680	7261	0.4339	104	102	3
500.950	0.9594	8.33113	11.20	32.32	7835	7305	0.4343	112	110	3
501.450	0.9141	8.31452	24.25	69.92	8061	7161	0.4347	103	101	3
501.950	0.9475	8.29797	14.57	41.96	7742	7129	0.4352	119	116	3
502.450	0.9469	8.28146	14.73	42.39	7795	7173	0.4356	96	94	3
502.950	0.9340	8.26500	18.43	52.99	7953	7219	0.4360	105	103	3
503.450	0.9504	8.24859	13.74	39.46	7830	7232	0.4365	145	142	3
503.950	0.9406	8.23223	16.53	47.44	7817	7145	0.4369	120	117	3
504.450	0.8819	8.21592	33.94	97.28	7867	6742	0.4373	126	123	3
504.950	0.9499	8.19966	13.87	30.70	7777	7180	0.4378	103	101	3
505.450	0.9255	8.18344	20.91	59.81	7857	7067	0.4382	108	106	3
505.950	0.9434	8.16728	15.74	44.98	7764	7118	0.4386	98	96	3
506.450	0.9672	8.15116	9.00	25.69	7654	7194	0.4391	103	101	3
506.950	0.9295	8.13509	19.75	56.34	7709	6963	0.4395	104	102	3
507.450	0.9425	8.11907	15.98	45.55	7718	7069	0.4399	104	102	3
507.950	0.9343	8.10309	18.34	52.22	7914	7186	0.4404	107	104	3
508.450	0.9275	8.08716	20.31	57.77	7737	6973	0.4408	113	110	3

A-6. 18.1-190 eV, 1/n = 540 barns/atom

DELAY	TRANS.	ENERGY	X-SEC	X-SEC	COUNTS	FRAC.	FAST	BKGS	NO.	PTS
				ROOT E	OPEN	SAMPLE	OF OCT	OPEN	SAMPLE	AVE,
105,000	1.0000	189,63301	0.01	0.09	18252	18011	0.0897	643	637	3
105,500	0.9859	187,83981	7.68	105.24	17956	17468	0.0902	720	713	3
106,000	0.9523	186,07191	26.37	359.74	18239	17140	0.0906	689	682	3
106,500	0.9660	184,32886	18.66	253.30	18285	17430	0.0910	687	680	3
107,000	0.9655	182,61018	18.97	256.33	18190	17330	0.0914	622	616	3
107,500	0.9666	180,91543	18.32	246.42	18385	17537	0.0919	637	631	3
108,000	0.9679	179,24417	17.61	235.74	18223	17405	0.0923	661	654	3
108,500	0.9776	177,59595	12.22	162.89	18210	17567	0.0927	585	579	3
109,000	0.9763	175,97037	12.93	171.46	17971	17314	0.0932	639	633	3
109,500	0.9743	174,36701	14.06	185.66	18008	17313	0.0936	647	640	3
110,000	0.9889	172,78545	6.02	79.16	17743	17314	0.0940	655	648	3
110,500	0.9771	171,22532	12.50	163.62	18038	17392	0.0944	654	647	3
111,000	0.9481	169,68623	28.79	375.07	18214	17040	0.0949	627	621	3
111,500	0.9645	168,16779	19.54	253.40	18301	17417	0.0953	525	519	3
112,000	0.9743	166,66964	14.06	181.53	18238	17534	0.0957	527	522	3
112,500	0.9774	165,19143	12.36	158.90	17933	17295	0.0961	512	507	3
113,000	0.9648	163,73279	19.35	247.58	17874	17016	0.0966	622	615	3
113,500	0.9479	162,29339	28.92	368.45	18234	17055	0.0970	562	557	3
114,000	0.9497	160,87288	27.85	353.26	18093	16956	0.0974	491	486	3
114,500	0.9586	159,47095	22.83	288.36	18034	17059	0.0979	539	533	3
115,000	0.9802	158,08726	10.78	135.60	17754	17172	0.0983	525	520	3
115,500	0.9770	156,72150	12.58	157.54	17719	17082	0.0987	520	514	3
116,000	0.9705	155,37336	16.18	201.73	17807	17053	0.0991	550	544	3
116,500	0.9562	154,04255	24.19	300.22	17740	16738	0.0996	560	555	3
117,000	0.9618	152,72876	21.05	260.10	17473	16582	0.1000	544	538	3
117,500	0.8995	151,43171	57.19	703.77	17568	15594	0.1004	577	571	3
118,000	0.8770	150,15111	70.86	868.23	17825	15426	0.1009	553	548	3
118,500	0.8982	148,88668	57.99	707.54	17481	15493	0.1013	541	536	3
119,000	0.9515	147,63816	26.86	326.37	17269	16214	0.1017	596	590	3
119,500	0.9713	146,40528	15.75	190.54	17192	16477	0.1021	619	613	3
120,000	0.9620	145,18778	20.92	252.09	17466	16580	0.1026	518	512	3
120,500	0.9615	143,98540	21.22	254.66	17455	16561	0.1030	510	505	3
121,000	0.9618	142,79790	21.02	251.14	17382	16497	0.1034	489	484	3
121,500	0.9660	141,62502	18.67	222.22	17187	16383	0.1038	503	498	3
122,000	0.9682	140,46654	17.43	206.60	16721	15976	0.1043	551	546	3
122,500	0.9718	139,32221	15.43	182.14	16674	15990	0.1047	603	597	3
123,000	0.9681	138,19182	17.51	205.84	16544	15805	0.1051	461	456	3
123,500	0.9740	137,07512	14.23	166.66	16335	15700	0.1056	540	535	3
124,000	0.9498	135,97190	27.81	324.27	16368	15341	0.1060	456	451	3
124,500	0.9959	134,88195	2.22	25.73	15777	15504	0.1064	521	515	3
125,000	0.9506	133,80506	27.34	316.27	15921	14935	0.1068	439	434	3
125,500	0.9005	132,74100	56.60	652.13	16116	14320	0.1073	429	425	3
126,000	0.9011	131,68959	56.24	645.40	15642	13909	0.1077	499	494	3
126,500	0.9154	130,65063	47.72	545.47	15814	14285	0.1081	452	447	3
127,000	0.9488	129,62391	28.41	323.44	15755	14750	0.1085	544	538	3
127,500	0.9775	128,60924	12.28	139.24	16074	15505	0.1090	512	507	3
128,000	0.9798	127,60645	11.03	124.61	16188	15651	0.1094	493	488	3
128,500	0.9761	126,61533	13.04	146.73	16336	15735	0.1098	520	515	3
129,000	0.9750	125,63572	13.67	153.19	16757	16122	0.1103	546	540	3
129,500	0.9671	124,66743	18.05	201.54	16831	16062	0.1107	538	532	3
130,000	0.9767	123,71030	12.75	141.76	17118	16497	0.1111	392	388	3
130,500	0.9733	122,76414	14.61	161.85	17043	16369	0.1115	504	499	3
131,000	0.9650	121,82880	19.21	212.06	17179	16359	0.1120	593	587	3
131,500	0.9797	120,90410	11.07	121.76	17196	16624	0.1124	512	507	3
132,000	0.9587	119,98990	22.75	249.24	17445	16504	0.1128	590	584	3
132,500	0.9823	119,08602	9.62	104.95	17325	16794	0.1132	559	554	3
133,000	0.9675	118,19232	17.86	194.15	17385	16596	0.1137	625	619	3
133,500	0.9690	117,30864	16.98	183.91	17410	16647	0.1141	538	532	3
134,000	0.9826	116,43484	9.48	102.31	17490	16958	0.1145	584	578	3
134,500	0.9816	115,57076	10.00	107.54	17380	16835	0.1150	610	604	3
135,000	0.9607	114,71627	21.66	231.96	17504	16593	0.1154	591	585	3
135,500	0.9680	113,87122	17.54	187.16	17470	16688	0.1158	596	590	3
136,000	0.9493	113,03547	28.10	298.00	17878	16746	0.1162	509	503	3
136,500	0.9613	112,20888	21.31	225.69	17299	16410	0.1167	591	585	3
137,000	0.9776	111,39134	12.22	128.98	17111	16507	0.1171	630	623	3
137,500	0.9459	110,58269	30.06	316.06	17477	16312	0.1175	592	586	3
138,000	0.9487	109,78282	28.45	298.09	17069	15978	0.1179	691	684	3
138,500	0.8875	108,99159	64.46	672.91	17385	15225	0.1184	579	573	3
139,000	0.7928	108,20889	125.36	1304.01	17288	13525	0.1188	611	605	3
139,500	0.7617	107,43459	147.01	1523.81	17442	13109	0.1192	574	568	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC, OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,
140,000	0.8357	106,66857	96,95	1001,31	17318 14281	0.1197	648	642	3
140,500	0.8811	105,91072	68,36	703,52	17412 15139	0.1201	650	644	3
141,000	0.9488	105,16091	28,39	291,17	17182 16086	0.1205	608	602	3
141,500	0.9515	104,41903	26,86	274,43	17474 16406	0.1209	560	554	3
142,000	0.9648	103,68498	19,33	196,80	17182 16358	0.1214	697	690	3
142,500	0.9961	102,95864	2,10	21,33	17167 16873	0.1216	593	587	3
143,000	0.9732	102,23991	14,64	148,06	17139 16460	0.1222	690	683	3
143,500	0.9776	101,52868	12,23	123,22	17072 16469	0.1226	610	604	3
144,000	0.9957	100,82485	2,35	23,59	16974 16677	0.1231	676	669	3
144,500	0.9742	100,12830	14,14	141,45	17286 16616	0.1235	634	627	3
145,000	0.9709	99,43895	15,92	158,77	17232 16510	0.1239	674	667	3
145,500	0.9716	98,75670	15,54	154,46	17335 16620	0.1244	677	670	3
146,000	0.9831	98,08144	9,18	90,95	17043 16534	0.1248	636	630	3
146,500	0.9859	97,41308	7,67	75,71	17060 16597	0.1252	716	708	3
147,000	0.9735	96,75154	14,49	142,57	17356 16673	0.1256	649	642	3
147,500	0.9864	96,09671	7,42	72,71	17032 16577	0.1261	696	689	3
148,000	0.9710	95,44850	15,87	155,09	17046 16333	0.1265	665	658	3
148,500	0.9565	94,80683	24,01	233,80	17149 16186	0.1269	820	811	3
149,000	0.9632	94,17161	20,23	196,30	17181 16330	0.1273	752	744	3
149,500	0.9670	93,54276	18,12	175,24	17196 16408	0.1278	723	716	3
150,000	0.9832	92,92018	9,15	88,21	17016 16509	0.1282	729	722	3
150,500	0.9562	92,30379	24,18	232,30	17007 16047	0.1286	803	795	3
151,000	0.9868	91,69352	7,18	68,72	16894 16450	0.1291	799	791	3
151,500	0.9687	91,08928	17,20	164,13	17066 16343	0.1295	795	787	3
152,000	0.9556	90,49100	24,50	233,05	17209 16227	0.1299	766	758	3
152,500	0.9737	89,89859	14,40	136,54	17082 16412	0.1303	760	752	3
153,000	0.9645	89,31197	19,51	184,36	17350 16513	0.1308	777	770	3
153,500	0.9471	88,73108	29,37	270,70	17270 16139	0.1312	869	860	3
154,000	0.9634	88,15584	20,12	188,91	17583 16716	0.1316	839	831	3
154,500	0.9520	87,58618	26,54	248,34	17499 16439	0.1320	902	893	3
155,000	0.9741	87,02202	14,15	131,96	17482 16805	0.1325	904	895	3
155,500	0.9500	86,46329	27,69	257,45	17573 16474	0.1329	909	900	3
156,000	0.9710	85,90993	15,88	147,23	17250 16528	0.1333	958	948	3
156,500	0.9708	85,36186	16,02	147,99	16979 16264	0.1338	963	954	3
157,000	0.9869	84,81902	7,14	65,72	16770 16331	0.1342	943	933	3
157,500	0.9627	84,28134	20,55	188,65	17303 16436	0.1346	892	883	3
158,000	0.9784	83,74876	11,81	108,11	16831 16249	0.1350	945	935	3
158,500	0.9649	83,22121	19,30	176,03	17266 16439	0.1355	924	914	3
159,000	0.9854	82,69863	7,96	72,39	16775 16311	0.1359	933	924	3
159,500	0.9679	82,18095	17,63	159,82	16837 16080	0.1363	978	969	3
160,000	0.9752	81,66812	13,58	122,72	16956 16316	0.1367	933	924	3
160,500	0.9423	81,16008	32,10	289,17	17368 16149	0.1372	847	838	3
161,000	0.9836	80,65676	8,93	80,23	16624 16134	0.1376	943	934	3
161,500	0.9826	80,15811	9,49	84,93	16687 16180	0.1380	997	987	3
162,000	0.9694	79,66407	16,78	149,80	16852 16120	0.1385	925	916	3
162,500	0.9958	79,17459	2,27	20,23	16525 16238	0.1389	974	964	3
163,000	0.9685	78,68960	17,28	153,25	16854 16107	0.1393	949	939	3
163,500	0.9670	78,20905	18,13	160,36	16667 15903	0.1397	902	893	3
164,000	0.9751	77,73290	13,59	119,85	16638 16010	0.1402	994	984	3
164,500	0.9709	77,26107	15,93	140,06	16752 16049	0.1406	946	937	3
165,000	0.9862	76,79354	7,49	65,63	16494 16052	0.1410	993	983	3
165,500	0.9809	76,33023	10,43	91,10	16442 15914	0.1414	968	959	3
166,000	0.9687	75,87110	17,20	170,00	16099 15961	0.1419	919	910	3
166,500	0.9705	75,41610	16,17	140,42	16725 16017	0.1423	937	927	3
167,000	0.9619	74,96518	20,98	181,64	16745 15894	0.1427	880	872	3
167,500	0.9757	74,51830	13,27	114,55	16468 15855	0.1432	921	912	3
168,000	0.9794	74,07540	11,24	96,73	16409 15936	0.1436	855	847	3
168,500	0.9478	73,63643	28,94	248,33	16949 15852	0.1440	866	858	3
169,000	0.9700	73,20136	16,45	140,74	16636 15923	0.1444	858	849	3
169,500	0.9789	72,77013	11,50	98,10	16394 15836	0.1449	821	813	3
170,000	0.9735	72,34270	14,49	123,27	16372 15728	0.1453	904	895	3
170,500	0.9454	71,91902	30,29	256,91	16569 15458	0.1457	919	910	3
171,000	0.9654	71,49906	19,01	160,71	16540 15756	0.1461	858	849	3
171,500	0.9648	71,08276	19,35	163,12	16495 15703	0.1466	813	805	3
172,000	0.9676	70,67009	17,78	149,50	16203 15471	0.1470	884	875	3
172,500	0.9741	70,26108	14,17	118,74	16492 15853	0.1474	825	816	3
173,000	0.9489	69,85546	28,30	236,50	16745 15680	0.1479	823	815	3
173,500	0.9655	69,45341	18,94	157,88	16444 15667	0.1483	822	813	3
174,000	0.9507	69,05483	27,29	226,82	16481 15461	0.1487	803	795	3
174,500	0.9065	68,65967	53,00	439,20	16494 14753	0.1491	759	751	3
175,000	0.8240	68,26789	104,51	863,54	16568 13471	0.1496	744	737	3
175,500	0.7752	67,87945	137,53	1133,12	16271 12445	0.1500	861	853	3
176,000	0.7754	67,49432	137,37	1128,60	16633 12726	0.1504	817	809	3
176,500	0.8452	67,11246	90,79	743,80	16828 14035	0.1508	744	737	3
177,000	0.8991	66,73382	57,43	469,13	16501 14640	0.1513	844	835	3
177,500	0.9490	66,35839	28,29	230,47	16446 15400	0.1517	742	735	3
178,000	0.9661	65,98611	18,61	151,15	16492 15723	0.1521	738	730	3
178,500	0.9487	65,61696	28,44	230,37	16584 15525	0.1526	742	735	3
179,000	0.9694	65,25090	16,77	135,49	16331 15622	0.1530	793	785	3
179,500	0.9844	64,88789	8,51	68,59	16239 15773	0.1534	748	741	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE,
180,000	0.9294	64,52790	39.53	317.55	16620 15242	0.1538	773 765	3
180,500	0.9643	64,17090	19.62	157.17	16424 15628	0.1543	811 802	3
181,000	0.9573	63,81685	23.58	188.38	16277 15376	0.1547	767 759	3
181,500	0.9694	63,46573	16.76	133.51	16365 15654	0.1551	696 689	3
182,000	0.9452	63,11750	30.44	241.82	16526 15413	0.1555	788 780	3
182,500	0.9603	62,77212	21.89	173.43	16330 15473	0.1560	788 781	3
183,000	0.9622	62,42957	20.83	164.59	16214 15394	0.1564	773 765	3
183,500	0.9734	62,08982	14.56	114.74	16293 15649	0.1568	751 743	3
184,000	0.9545	61,75284	25.16	197.69	16155 15216	0.1573	825 817	3
184,500	0.9394	61,41859	33.73	264.37	16433 15233	0.1577	744 737	3
185,000	0.9699	61,08704	16.52	129.13	16090 15399	0.1581	722 715	3
185,500	0.9609	60,75817	21.56	168.08	16114 15278	0.1585	787 779	3
186,000	0.9722	60,43196	15.20	118.15	15939 15291	0.1590	784 776	3
186,500	0.9679	60,10836	17.62	136.62	16338 15604	0.1594	706 699	3
187,000	0.9585	59,78735	22.88	176.92	16053 15183	0.1598	762 755	3
187,500	0.9578	59,46891	23.26	179.39	16329 15434	0.1602	701 694	3
188,000	0.9727	59,15301	14.97	115.16	16065 15419	0.1607	692 685	3
188,500	0.9510	58,83962	27.14	208.19	16195 15197	0.1611	664 657	3
189,000	0.9699	58,52871	16.50	126.25	16132 15439	0.1615	692 685	3
189,500	0.9517	58,22026	26.72	203.84	16104 15123	0.1620	743 736	3
190,000	0.9684	57,91424	17.37	132.15	15871 15165	0.1624	729 722	3
190,500	0.9585	57,61063	22.86	173.53	16083 15212	0.1628	735 728	3
191,000	0.9514	57,30939	26.89	203.54	16024 15044	0.1632	725 718	3
191,500	0.9448	57,01052	30.68	231.64	16235 15135	0.1637	657 651	3
192,000	0.9680	56,71398	17.55	132.19	15878 15166	0.1641	724 717	3
192,500	0.9253	56,41974	41.92	314.91	16088 14689	0.1645	638 632	3
193,000	0.9156	56,12779	47.63	356.81	15983 14439	0.1650	693 686	3
193,500	0.9124	55,83810	49.48	369.72	16145 14536	0.1654	713 706	3
194,000	0.9192	55,55064	45.47	338.92	15919 14439	0.1658	681 675	3
194,500	0.8805	55,26540	68.70	510.75	16243 14113	0.1662	708 701	3
195,000	0.8521	54,98235	86.40	640.65	16076 13518	0.1667	626 620	3
195,500	0.8062	54,70147	116.34	860.46	16073 12786	0.1671	602 596	3
196,000	0.7240	54,42274	174.41	1286.69	15870 11337	0.1675	615 609	3
196,500	0.5673	54,14613	306.11	2252.49	15965 8936	0.1679	651 645	3
197,000	0.3938	53,87163	503.29	3694.00	15980 6209	0.1684	679 672	3
197,500	0.3048	53,59921	641.59	4697.17	16138 4853	0.1688	678 671	3
198,000	0.3739	53,32884	531.24	3879.49	15542 5734	0.1692	681 675	3
198,500	0.5495	53,06052	323.35	2355.34	15874 8607	0.1697	643 637	3
199,000	0.7101	52,79422	184.83	1342.99	15917 11154	0.1701	642 636	3
199,500	0.8510	52,52992	87.12	631.42	15901 13353	0.1705	642 636	3
200,000	0.9134	52,26760	48.92	353.67	15865 14299	0.1709	613 607	3
200,500	0.9430	52,00724	31.71	228.65	15809 14710	0.1714	581 575	3
201,000	0.9643	51,74882	19.63	141.21	15744 14981	0.1718	603 597	3
201,500	0.9675	51,49232	17.83	127.92	15842 15124	0.1722	568 562	3
202,000	0.9882	51,23772	6.39	45.74	15746 15354	0.1726	572 566	3
202,500	0.9874	50,98501	6.82	48.73	15810 15405	0.1731	573 567	3
203,000	0.9948	50,73416	2.81	20.03	15634 15346	0.1735	562 556	3
203,500	1.0128	50,48516	6.87	48.82	15439 15429	0.1739	580 574	3
204,000	0.9753	50,23799	13.51	95.77	15775 15182	0.1744	563 558	3
204,500	0.9694	49,99262	16.79	118.74	16123 15422	0.1748	503 498	3
205,000	0.9733	49,74905	14.59	102.93	15797 15172	0.1752	565 559	3
205,500	0.9733	49,50726	14.63	102.95	15944 15312	0.1756	595 589	3
206,000	0.9806	49,26723	10.58	74.28	15825 15312	0.1761	524 519	3
206,500	0.9995	49,02893	0.27	1.92	15531 15318	0.1765	591 585	3
207,000	0.9779	48,79236	12.08	84.41	15819 15264	0.1769	580 575	3
207,500	0.9870	48,55790	7.07	49.23	15623 15216	0.1773	569 563	3
208,000	0.9911	48,32433	4.83	33.56	15427 15087	0.1778	610 604	3
208,500	0.9936	48,09284	3.48	24.17	15480 15177	0.1782	530 524	3
209,000	1.0026	47,86301	-1.43	9.88	15397 15233	0.1786	528 522	3
209,500	0.9754	47,63482	13.43	92.72	15603 15018	0.1791	512 507	3
210,000	0.9770	47,40825	12.54	86.35	15517 14960	0.1795	519 513	3
210,500	0.9776	47,18330	12.25	84.17	15650 15096	0.1799	519 514	3
211,000	0.9953	46,95995	2.54	17.42	15359 15084	0.1803	532 526	3
211,500	0.9789	46,73818	11.51	78.71	15660 15127	0.1808	503 498	3
212,000	0.9904	46,51798	5.23	35.70	15394 15044	0.1812	515 510	3
212,500	0.9684	46,29933	17.35	118.03	15644 14949	0.1816	514 509	3
213,000	0.9778	46,08221	12.15	82.46	15518 14972	0.1820	498 493	3
213,500	0.9918	45,86663	4.44	30.04	15522 15191	0.1825	539 534	3
214,000	0.9790	45,65255	11.44	77.31	15393 14871	0.1829	469 464	3
214,500	0.9780	45,43996	11.99	80.84	15557 15013	0.1833	492 487	3
215,000	0.9875	45,22886	6.80	45.72	15566 15167	0.1838	515 510	3
215,500	0.9848	45,01922	8.29	55.59	15398 14962	0.1842	532 526	3
216,000	0.9875	44,81104	6.79	45.48	15343 14951	0.1846	459 455	3
216,500	0.9683	44,60430	17.41	116.27	15583 14870	0.1850	458 453	3
217,000	0.9747	44,39899	13.82	92.10	15324 14738	0.1855	551 545	3
217,500	0.9651	44,19509	19.21	127.69	15391 14656	0.1859	519 513	3
218,000	0.9848	43,99259	8.26	54.80	15461 15024	0.1863	496 491	3
218,500	0.9711	43,79148	15.84	104.79	14871 14871	0.1867	456 451	3
219,000	0.9803	43,59175	10.76	71.03	15191 14694	0.1872	499 494	3
219,500	0.9745	43,39338	13.97	92.00	15445 14851	0.1876	447 442	3

DELAY	TRANS.	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN SAMPLE	FRAC, OF OCT	FAST OPEN	BKGS SAMPLE	NO., PTS AVE,
220,000	0,9701	43,19636	16,40	107,79	15339 14683	0,1880	470	465	3
220,500	0,9685	43,00068	17,28	113,30	15165 14493	0,1885	535	529	3
221,000	0,9590	42,80633	22,60	147,84	15534 14700	0,1889	480	475	3
221,500	0,9668	42,61329	18,25	119,14	15376 14668	0,1893	455	451	3
222,000	0,9776	42,42156	12,23	79,62	15089 14556	0,1897	468	463	3
222,500	1,0159	42,23111	-8,53	-55,40	15170 15207	0,1902	465	461	3
223,000	0,9851	42,04195	8,12	52,64	15225 14799	0,1906	445	441	3
223,500	0,9662	41,85405	18,55	120,02	15253 14543	0,1910	450	445	3
224,000	0,9488	41,66741	28,37	183,16	15397 14415	0,1914	481	476	3
224,500	0,9435	41,48202	31,43	202,43	15430 14364	0,1919	412	408	3
225,000	0,4481	41,29786	433,44	2785,41	15363 6793	0,1923	452	447	3
225,500	0,8806	41,11492	68,65	440,20	15244 13246	0,1927	450	446	3
226,000	0,8892	40,93320	63,41	405,72	15106 13254	0,1932	474	469	3
226,500	0,9084	40,75268	51,86	331,08	15076 13513	0,1936	429	424	3
227,000	0,9266	40,57335	41,17	262,21	15362 14045	0,1940	455	451	3
227,500	0,9552	40,39520	24,73	157,17	15230 14355	0,1944	429	425	3
228,000	0,9663	40,21822	18,53	117,51	15114 14411	0,1949	464	459	3
228,500	0,9751	40,04240	13,61	86,10	15124 14552	0,1953	410	406	3
229,000	0,9636	39,86774	20,02	126,42	15284 14532	0,1957	380	376	3
229,500	0,9604	39,69421	21,84	137,61	15237 14439	0,1961	458	453	3
230,000	1,0011	39,52181	-0,61	-3,86	14964 14783	0,1966	387	383	3
230,500	0,9837	39,35054	8,85	55,54	15183 14738	0,1970	461	457	3
231,000	0,9847	39,18048	1,01	11,32	15018 14784	0,1974	433	429	3
231,500	0,9668	39,01131	18,23	113,85	14926 14239	0,1979	431	427	3
232,000	0,9634	38,84334	20,16	125,65	15234 14481	0,1983	428	424	3
232,500	0,9749	38,67645	13,72	85,33	15005 14434	0,1987	418	414	3
233,000	0,9773	38,51064	12,40	76,96	15053 14518	0,1991	420	415	3
233,500	0,9740	38,34589	14,24	88,16	14998 14414	0,1996	417	413	3
234,000	0,9723	38,18219	15,16	93,66	14916 14311	0,2000	420	415	3
234,500	0,9908	38,01954	4,99	30,77	14846 14514	0,2004	432	428	3
235,000	0,9720	37,85793	15,34	94,40	14884 14275	0,2008	437	433	3
235,500	0,9780	37,69734	12,03	73,85	14975 14451	0,2013	384	380	3
236,000	0,9602	37,53778	28,04	134,10	15134 14339	0,2017	381	377	3
236,500	0,9633	37,37922	20,18	123,38	15033 14290	0,2021	388	385	3
237,000	0,9822	37,22167	9,69	59,13	14742 14287	0,2026	411	407	3
237,500	0,9738	37,06511	14,32	87,19	14831 14252	0,2030	391	387	3
238,000	0,9840	36,90954	8,72	53,00	14842 14411	0,2034	396	392	3
238,500	1,0192	36,75495	-10,25	-62,15	14585 14667	0,2038	414	409	3
239,000	0,9775	36,60132	12,29	74,34	14892 14364	0,2043	405	401	3
239,500	0,9937	36,44866	3,40	20,53	14913 14622	0,2047	362	358	3
240,000	0,9676	36,29694	17,81	107,28	14915 14240	0,2051	382	378	3
240,500	0,9762	36,14618	12,98	78,04	14814 14270	0,2055	438	433	3
241,000	0,9645	35,99635	19,54	117,24	14998 14273	0,2060	373	369	3
241,500	0,9580	35,84745	23,15	138,63	14970 14151	0,2064	388	384	3
242,000	0,9680	35,69947	17,54	104,81	14819 14155	0,2068	401	397	3
242,500	0,9624	35,55241	20,71	123,50	14749 14086	0,2073	432	427	3
243,000	0,9823	35,40626	9,66	57,46	14647 14197	0,2077	377	374	3
243,500	0,9689	35,26100	17,05	101,25	14749 14101	0,2081	396	392	3
244,000	0,9695	35,11663	16,72	99,07	14727 14089	0,2085	420	416	3
244,500	0,9741	34,97316	14,17	83,82	14717 14146	0,2090	402	398	3
245,000	0,9680	34,83055	17,59	103,80	14813 14148	0,2094	394	390	3
245,500	0,9686	34,68882	17,23	101,46	14849 14192	0,2098	363	359	3
246,000	0,9711	34,54795	16,82	94,81	14773 14130	0,2102	397	393	3
246,500	0,9567	34,40794	23,88	140,07	15003 14164	0,2107	381	378	3
247,000	0,9949	34,26878	2,74	16,06	14634 14366	0,2111	355	351	3
247,500	0,9857	34,13046	7,76	45,34	14682 14280	0,2115	382	379	3
248,000	0,9680	33,99298	17,55	102,32	14690 14032	0,2120	390	386	3
248,500	0,9849	33,85632	8,22	47,82	14580 14169	0,2124	384	380	3
249,000	0,9640	33,72049	19,81	115,03	14770 14049	0,2128	344	341	3
249,500	0,9773	33,58547	12,41	71,93	14535 14016	0,2132	354	350	3
250,000	0,9789	33,45126	11,54	66,73	14621 14122	0,2137	348	344	3
250,500	0,9752	33,31786	13,56	78,24	14582 14032	0,2141	398	394	3
251,000	0,9451	33,18525	30,47	175,51	14621 13636	0,2145	384	380	3
251,500	0,9837	33,05343	8,87	50,97	14462 14038	0,2149	386	383	3
252,000	0,9901	32,92240	5,37	30,79	14346 14015	0,2154	455	451	3
252,500	0,9915	32,79214	4,63	26,53	14498 14184	0,2158	355	352	3
253,000	0,9757	32,66266	13,29	75,94	14443 13905	0,2162	403	398	3
253,500	0,9959	32,53394	2,20	12,53	14450 14200	0,2167	344	341	3
254,000	0,9729	32,40598	14,83	84,44	14499 13919	0,2171	379	375	3
254,500	0,9699	32,27877	16,53	93,91	14567 13941	0,2175	355	351	3
255,000	0,9670	32,15231	18,14	102,84	14664 13992	0,2179	355	351	3
255,500	0,9662	32,02659	18,57	105,07	14789 14100	0,2184	380	376	3
256,000	0,9900	31,90161	5,45	30,76	14413 14079	0,2188	349	345	3
256,500	0,9623	31,77736	20,74	116,91	14354 13630	0,2192	342	339	3
257,000	0,9481	31,65383	28,78	161,90	14501 13566	0,2196	355	351	3
257,500	0,9546	31,53102	25,10	140,93	14687 13834	0,2201	345	342	3
258,000	0,9697	31,40893	16,62	93,12	14321 13703	0,2205	347	343	3
258,500	0,9848	31,28754	8,25	46,13	14394 13988	0,2209	295	292	3
259,000	0,9602	31,16686	21,94	122,47	14402 13645	0,2214	373	369	3
259,500	0,9658	31,04687	18,77	104,57	14495 13814	0,2218	392	388	3

DELAY	TRANS,	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC, OF OCT	FAST BKGS OPEN SAMPLE	NO, PYS AVE,
260,000	0,9796	30,92757	11,11	61,81	14360	13881	0,2222	372 368 3
260,500	0,9823	30,80896	9,66	53,64	14314	13873	0,2226	342 339 3
261,000	0,9632	30,69104	20,23	112,09	14242	13536	0,2231	328 324 3
261,500	0,9711	30,57378	15,85	87,62	14323	13724	0,2235	321 318 3
262,000	0,9883	30,45720	6,35	35,06	14202	13850	0,2239	358 354 3
262,500	0,9770	30,34128	12,58	69,30	14178	13668	0,2243	362 358 3
263,000	1,0007	30,22603	10,40	42,18	14047	13871	0,2248	374 370 3
263,500	0,9763	30,11143	12,94	71,03	14379	13853	0,2252	344 340 3
264,000	0,9901	29,99747	5,38	29,48	14222	13894	0,2256	374 371 3
264,500	0,9658	29,88417	18,77	102,63	14260	13590	0,2261	351 347 3
265,000	0,9875	29,77151	6,79	37,03	14163	13800	0,2265	366 362 3
265,500	0,9665	29,65948	18,37	100,06	14276	13616	0,2269	323 320 3
266,000	0,9802	29,54808	10,82	58,81	14308	13838	0,2273	330 326 3
266,500	0,9699	29,43731	16,52	89,64	14212	13601	0,2278	393 389 3
267,000	0,9756	29,32716	13,36	72,38	14130	13602	0,2282	343 339 3
267,500	0,9839	29,21763	8,76	47,37	14001	13593	0,2286	373 369 3
268,000	0,9802	29,10871	10,78	58,14	14134	13671	0,2291	318 315 3
268,500	0,9808	29,00040	10,44	56,25	14098	13645	0,2295	343 340 3
269,000	0,9957	28,89269	2,31	12,40	13929	13686	0,2299	337 334 3
269,500	0,9606	28,78558	21,72	116,56	14217	13475	0,2303	363 360 3
270,000	0,9756	28,67907	13,31	71,30	13922	13402	0,2308	372 368 3
270,500	0,9701	28,57314	16,38	87,54	14209	13601	0,2312	361 357 3
271,000	0,9994	28,46780	0,32	1,73	13883	13691	0,2316	330 326 3
271,500	0,9650	28,36305	19,25	102,50	14089	13415	0,2320	321 318 3
272,000	0,9616	28,25887	21,14	112,39	14093	13372	0,2325	309 306 3
272,500	0,9789	28,15526	11,53	61,20	14044	13565	0,2329	317 314 3
273,000	0,9928	28,05222	3,89	20,59	13880	13597	0,2333	341 338 3
273,500	0,9808	27,94975	10,46	55,28	13946	13497	0,2338	351 347 3
274,000	0,9808	27,84783	10,48	55,31	14033	13581	0,2342	337 334 3
274,500	0,9725	27,74648	15,04	79,25	13828	13270	0,2346	322 319 3
275,000	0,9822	27,64567	9,71	51,06	13776	13351	0,2350	316 312 3
275,500	0,9818	27,54542	9,89	51,91	13770	13340	0,2355	354 350 3
276,000	0,9916	27,44570	4,57	23,92	13741	13445	0,2359	336 332 3
276,500	0,9810	27,34653	10,38	54,26	13638	13201	0,2363	336 332 3
277,000	0,9699	27,24790	16,53	86,27	13922	13323	0,2367	285 282 3
277,500	0,9767	27,14980	12,72	66,28	13952	13446	0,2372	310 307 3
278,000	0,9602	27,05222	21,93	114,08	13971	13237	0,2376	275 272 3
278,500	0,9763	26,95517	12,98	67,37	13707	13204	0,2380	309 306 3
279,000	0,9720	26,85865	15,31	79,36	13858	13291	0,2385	286 283 3
279,500	0,9772	26,76264	12,48	64,55	13783	13289	0,2389	333 330 3
280,000	0,9585	26,66714	22,89	118,19	13949	13192	0,2393	325 321 3
280,500	0,9560	26,57216	24,29	125,23	14034	13239	0,2397	333 329 3
281,000	0,9547	26,47768	25,04	128,86	13929	13122	0,2402	305 302 3
281,500	0,9747	26,38370	13,86	71,17	13750	13223	0,2406	310 307 3
282,000	0,9770	26,29023	12,55	64,36	13850	13352	0,2410	304 301 3
282,500	0,9890	26,19725	5,99	30,67	13702	13371	0,2414	338 335 3
283,000	0,9706	26,10476	16,13	82,41	13826	13241	0,2419	278 275 3
283,500	1,0018	26,01276	10,95	44,86	13602	13445	0,2423	313 310 3
284,000	0,9771	25,92125	12,51	63,67	13616	13128	0,2427	326 323 3
284,500	0,9709	25,83021	15,94	81,00	13789	13210	0,2432	319 316 3
285,000	0,9598	25,73966	22,17	112,49	13770	13041	0,2436	326 322 3
285,500	0,9710	25,64958	15,89	80,48	13719	13145	0,2440	265 262 3
286,000	0,9650	25,55998	19,26	97,36	13814	13153	0,2444	298 295 3
286,500	0,9812	25,47084	10,25	51,75	13670	13235	0,2449	339 336 3
287,000	0,9730	25,38217	14,79	74,50	13852	13299	0,2453	276 273 3
287,500	0,9794	25,29396	11,24	56,54	13638	13180	0,2457	293 290 3
288,000	0,9528	25,20621	26,09	131,00	14009	13171	0,2461	315 312 3
288,500	0,9855	25,11892	7,89	39,54	13608	13233	0,2466	280 277 3
289,000	0,9755	25,03208	13,41	67,11	13645	13133	0,2470	320 316 3
289,500	0,9756	24,94568	13,32	66,51	13711	13200	0,2474	282 279 3
290,000	0,9857	24,85974	7,77	38,73	13554	13183	0,2479	283 280 3
290,500	0,9888	24,77424	6,07	30,23	13559	13229	0,2483	293 290 3
291,000	0,9796	24,68917	11,12	55,25	13549	13097	0,2487	283 280 3
291,500	1,0003	24,60455	10,15	40,75	13291	13118	0,2491	310 307 3
292,000	0,9760	24,52036	13,11	64,90	13599	13097	0,2496	278 275 3
292,500	0,9456	24,43660	30,21	149,35	13745	12825	0,2500	276 274 3
293,000	0,9804	24,35327	10,69	52,73	13450	13011	0,2504	247 244 3
293,500	0,9596	24,27037	22,29	109,83	13509	12790	0,2508	278 275 3
294,000	0,9802	24,18788	10,82	53,23	13518	13074	0,2513	261 258 3
294,500	0,9932	24,10582	3,66	17,96	13090	12829	0,2517	250 247 3
295,000	0,9614	24,02418	21,25	104,17	13410	12722	0,2521	285 282 3
295,500	0,9610	23,94295	21,50	105,22	13419	12724	0,2526	337 333 3
296,000	0,9740	23,86213	14,22	69,46	13430	12907	0,2530	280 278 3
296,500	0,9760	23,78171	13,12	63,99	13542	13041	0,2534	257 255 3
297,000	0,9795	23,70171	11,19	54,48	13296	12851	0,2538	262 259 3
297,500	0,9745	23,62211	13,97	67,88	13540	13019	0,2543	268 265 3
298,000	0,9716	23,54290	15,53	75,36	13383	12831	0,2547	294 291 3
298,500	0,9957	23,46410	2,33	11,27	13202	12971	0,2551	289 286 3
299,000	0,9712	23,38569	15,79	76,34	13575	13008	0,2555	254 251 3
299,500	0,9825	23,30767	9,55	46,10	13399	12990	0,2560	259 256 3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT.E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
300,000	0.9820	23,23004	9.83	47.40	13375 12959	0.2564	221	219	3
300,500	0.9728	23,15280	14.87	71.57	13312 12778	0.2568	284	281	3
301,000	0.9776	23,07595	12.22	58.72	13229 12761	0.2573	272	269	3
301,500	0.9870	22,99947	7.05	33.81	13138 12795	0.2577	286	283	3
302,000	0.9566	22,92338	23.94	114.62	13328 12581	0.2581	289	286	3
302,500	0.9355	22,84766	36.02	172.16	13148 12136	0.2585	276	273	3
303,000	0.8791	22,77232	69.58	332.06	13362 11591	0.2590	288	285	3
303,500	0.8139	22,69735	111.17	529.64	13154 10564	0.2594	269	266	3
304,000	0.7754	22,62275	137.33	653.20	13198 10098	0.2598	217	215	3
304,500	0.7958	22,54852	123.33	585.64	13181 10350	0.2602	235	233	3
305,000	0.8511	22,47465	87.08	412.82	12978 10899	0.2607	271	269	3
305,500	0.8829	22,40114	67.25	318.28	13352 11632	0.2611	241	239	3
306,000	0.9289	22,32799	39.85	188.32	13260 12153	0.2615	278	275	3
306,500	0.9563	22,25520	24.14	113.88	13180 12436	0.2620	255	252	3
307,000	0.9676	22,18277	17.79	83.80	12989 12401	0.2624	284	281	3
307,500	0.9753	22,11069	13.50	63.47	13053 12561	0.2628	249	247	3
308,000	0.9500	22,03896	27.72	130.14	13400 12560	0.2632	257	255	3
308,500	0.9525	21,96758	26.26	123.07	13167 12375	0.2637	227	225	3
309,000	0.9733	21,89654	14.60	68.31	13363 12834	0.2641	249	246	3
309,500	0.9703	21,82585	16.26	75.94	13033 12478	0.2645	273	270	3
310,000	0.9881	21,75550	6.47	30.19	13030 12704	0.2649	225	222	3
310,500	0.9887	21,68549	6.11	28.46	12925 12610	0.2654	230	227	3
311,000	0.9574	21,61582	23.49	107.21	13309 12573	0.2658	230	227	3
311,500	0.9699	21,54649	16.48	76.51	13120 12557	0.2662	221	219	3
312,000	0.9712	21,47748	15.77	73.10	13036 12492	0.2667	271	268	3
312,500	0.9828	21,40881	9.37	43.37	12979 12586	0.2671	208	206	3
313,000	0.9555	21,34046	24.59	113.61	12854 12118	0.2675	234	231	3
313,500	0.9588	21,27245	22.72	104.78	12852 12157	0.2679	228	226	3
314,000	0.9782	21,20475	11.93	54.93	12852 12405	0.2684	179	177	3
314,500	0.9713	21,13738	15.70	72.18	12672 12146	0.2688	264	261	3
315,000	0.9817	21,07033	9.99	45.86	12761 12361	0.2692	206	204	3
315,500	0.9825	21,00360	9.55	43.75	12652 12265	0.2696	230	228	3
316,000	0.9521	20,93719	26.52	121.35	13102 12308	0.2701	230	228	3
316,500	0.9763	20,87109	12.93	59.05	12723 12257	0.2705	196	194	3
317,000	0.9664	20,80530	18.45	84.16	12712 12122	0.2709	257	254	3
317,500	0.9708	20,73983	16.01	72.93	12864 12323	0.2714	249	247	3
318,000	0.9554	20,67466	24.66	112.12	13135 12383	0.2718	210	207	3
318,500	0.9735	20,60980	14.53	65.96	12770 12266	0.2722	210	208	3
319,000	0.9791	20,54524	11.40	51.69	12816 12381	0.2726	260	258	3
319,500	0.9728	20,48098	14.89	67.37	12707 12197	0.2731	233	230	3
320,000	0.9748	20,41703	13.77	62.21	12772 12285	0.2735	230	228	3
320,500	0.9676	20,35338	17.81	80.36	12856 12274	0.2739	230	228	3
321,000	0.9640	20,29002	19.80	89.19	12781 12157	0.2743	205	203	3
321,500	0.9847	20,22696	8.30	37.35	12750 12389	0.2748	179	177	3
322,000	0.9727	20,16419	14.94	67.07	12721 12209	0.2752	232	229	3
322,500	0.9827	20,10171	9.42	42.25	12655 12271	0.2756	206	204	3
323,000	0.9998	20,03953	0.10	0.44	12460 12292	0.2761	222	219	3
323,500	0.9533	19,97763	25.85	115.53	12987 12216	0.2765	241	239	3
324,000	0.9899	19,91602	5.46	24.35	12679 12385	0.2769	205	203	3
324,500	0.9632	19,85469	20.26	90.26	12828 12192	0.2773	225	222	3
325,000	0.9641	19,79365	19.74	87.83	12771 12149	0.2778	198	196	3
325,500	0.9810	19,73288	10.38	46.09	12495 12094	0.2782	196	194	3
326,000	0.9675	19,67248	19.06	79.22	12739 12161	0.2786	201	199	3
326,500	0.9817	19,61219	9.96	44.11	12438 12049	0.2790	200	198	3
327,000	0.9821	19,55226	9.76	43.14	12454 12069	0.2795	209	207	3
327,500	0.9937	19,49261	3.42	15.10	12307 12066	0.2799	252	249	3
328,000	0.9559	19,43322	24.37	107.43	12646 11927	0.2803	208	206	3
328,500	0.9798	19,37411	11.03	48.53	12621 12202	0.2808	188	186	3
329,000	0.9653	19,31527	19.06	83.76	12504 11910	0.2812	199	197	3
329,500	0.9750	19,25669	13.68	60.02	12472 11998	0.2816	191	189	3
330,000	0.9769	19,19838	12.61	55.26	12438 11990	0.2820	195	193	3
330,500	0.9839	19,14034	8.74	38.24	12266 11908	0.2825	187	185	3
331,000	0.9730	19,08256	14.76	64.46	12476 11979	0.2829	199	197	3
331,500	0.9830	19,02504	9.27	40.42	12322 11952	0.2833	228	226	3
332,000	0.9516	18,96777	26.80	116.71	12374 11619	0.2837	247	245	3
332,500	0.9616	18,91077	21.16	92.01	12305 11675	0.2842	231	229	3
333,000	0.9581	18,85403	23.12	100.38	12446 11766	0.2846	189	187	3
333,500	0.9681	18,79753	17.49	75.85	12354 11801	0.2850	225	223	3
334,000	0.9336	18,74130	37.10	160.62	12628 11633	0.2855	189	187	3
334,500	0.9795	18,68531	11.17	48.27	12307 11895	0.2859	175	173	3
335,000	0.9580	18,62957	23.19	100.07	12428 11747	0.2863	181	180	3
335,500	0.9848	18,57409	8.29	35.74	12125 11782	0.2867	161	160	3
336,000	0.9745	18,51885	13.94	60.00	12324 11850	0.2872	192	190	3
336,500	0.9586	18,46386	22.83	98.11	12413 11741	0.2876	182	180	3
337,000	0.9667	18,40911	18.32	78.59	12362 11791	0.2880	176	174	3
337,500	0.9658	18,35460	18.76	80.39	12305 11727	0.2884	188	186	3
338,000	0.9358	18,30034	35.86	153.39	12528 11567	0.2889	169	168	3
338,500	0.9770	18,24632	12.54	53.59	12439 11992	0.2893	195	193	3
339,000	0.9733	18,19253	14.64	62.45	12338 11849	0.2897	198	196	3
339,500	0.9688	18,13899	17.13	72.98	12229 11690	0.2902	188	186	3

A-7. 17.6-171 eV, I/n = 3800 barns/atom

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FAC, OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,
110.417	1.0079	171.48388	-29.74	-389.48	14816 14922	0.0889	605	602	3
110.917	1.0027	169.94130	-10.19	-132.82	14869 14899	0.0893	640	636	3
111.417	0.9879	166.41945	46.27	600.52	15148 14955	0.0897	568	565	3
111.917	1.0141	166.91794	-53.25	-687.93	14853 15052	0.0901	564	561	3
112.417	1.0052	165.43643	-19.66	-252.87	14808 14734	0.0905	589	586	3
112.917	1.0104	163.97455	-39.21	-502.12	14857 14981	0.0909	530	527	3
113.417	0.9955	162.53197	17.26	219.99	14804 14727	0.0913	525	522	3
113.917	0.9977	161.10834	8.58	108.85	14818 14775	0.0917	550	547	3
114.417	1.0047	159.70333	-17.66	-225.20	14773 14832	0.0921	577	575	3
114.917	0.9757	158.31662	93.41	1175.32	15088 14712	0.0925	526	523	3
115.417	0.9880	156.94790	53.52	670.44	14939 14720	0.0929	514	511	3
115.917	0.9799	155.59684	77.02	960.78	14977 14667	0.0933	501	498	3
116.417	1.0063	154.26316	-24.64	-298.62	14836 14920	0.0937	463	461	3
116.917	1.0115	152.94656	-43.46	-537.49	14750 14910	0.0941	492	490	3
117.417	0.9771	151.64673	88.10	1084.96	14786 14437	0.0945	551	548	3
117.917	0.9686	150.36341	121.29	1467.23	14670 14199	0.0949	499	496	3
118.417	0.9784	149.09631	82.87	1011.91	14635 14310	0.0953	461	458	3
118.917	0.9964	147.84516	6.03	75.33	14577 14545	0.0957	462	459	3
119.417	0.9768	146.60969	89.05	1078.21	14880 14526	0.0961	462	459	3
119.917	0.9809	145.38964	73.34	884.31	14556 14288	0.0965	473	471	3
120.417	0.9940	144.18476	23.05	276.82	14463 14368	0.0969	487	484	3
120.917	0.9893	142.99479	40.94	489.57	14604 14497	0.0973	423	421	3
121.417	0.9878	141.81950	46.76	558.80	14400 14215	0.0977	398	396	3
121.917	0.9966	140.65863	12.98	155.95	14182 14124	0.0981	452	449	3
122.417	0.9944	139.51196	21.45	255.39	14061 13973	0.0985	430	427	3
122.917	1.0138	138.37926	-51.97	-611.39	13883 13802	0.0989	490	488	3
123.417	0.9822	137.26030	68.13	798.23	13804 13608	0.0993	444	442	3
123.917	1.0059	136.15485	-22.25	-259.67	13243 13312	0.0997	514	512	3
124.417	1.0061	135.06270	-23.02	-267.53	13253 13325	0.1001	429	426	3
124.917	0.9765	133.98364	90.19	1045.99	13392 13069	0.1005	409	407	3
125.417	1.0079	132.91746	-29.97	-349.54	13135 13230	0.1009	430	428	3
125.917	0.9906	131.86396	35.77	410.72	13166 13034	0.1013	435	433	3
126.417	0.9801	130.82293	76.31	872.76	13106 12837	0.1017	538	536	3
126.917	0.9829	129.79419	65.52	746.50	13385 13147	0.1021	439	437	3
127.417	1.0042	128.77752	-15.86	-180.03	13241 13288	0.1025	449	447	3
127.917	0.9843	127.77276	60.09	679.26	13708 13484	0.1029	459	457	3
128.417	1.0040	126.77971	-15.01	-168.96	13720 13760	0.1033	392	390	3
128.917	1.0112	125.79820	-42.45	-478.12	13427 14074	0.1038	363	362	3
129.417	0.9904	124.82804	36.73	410.34	14209 14063	0.1042	356	354	3
129.917	1.0113	123.86905	-42.66	-474.80	13953 14101	0.1046	457	454	3
130.417	0.9815	122.92108	70.89	785.92	14326 14052	0.1050	440	438	3
130.917	0.9793	121.98395	79.63	879.44	14135 13833	0.1054	457	455	3
131.417	1.0062	121.05749	-30.93	-340.32	13956 14061	0.1058	371	369	3
131.917	0.9878	120.14155	46.53	510.02	14032 13852	0.1062	305	303	3
132.417	1.0118	119.23596	-44.52	-488.14	14002 14157	0.1066	446	443	3
132.917	0.9836	118.34057	62.94	684.66	14208 14347	0.1070	406	404	3
133.417	1.0045	117.45524	-16.89	-183.03	14269 14624	0.1074	386	384	3
133.917	1.0011	116.57980	-4.35	-47.01	14573 14579	0.1078	376	374	3
134.417	0.9896	115.71411	39.68	426.87	14806 14642	0.1082	357	355	3
134.917	1.0122	114.85803	-45.91	-492.08	14662 14830	0.1086	417	415	3
135.417	0.9982	114.01141	6.80	72.59	14752 14715	0.1090	397	395	3
135.917	0.9902	113.17412	37.32	397.03	14691 14538	0.1094	439	436	3
136.417	1.0004	112.34602	-1.45	-15.42	14773 14769	0.1098	404	402	3
136.917	0.9985	111.52697	5.62	59.31	14486 14455	0.1102	376	374	3
137.417	0.9916	110.71085	32.14	338.21	14622 14489	0.1106	441	439	3
137.917	0.9715	109.91553	109.78	1150.93	14786 14355	0.1110	413	411	3
138.417	0.9605	109.12287	153.30	1601.36	14851 14254	0.1114	366	364	3
138.917	0.9743	108.33876	99.03	1030.80	14805 14220	0.1118	444	442	3
139.417	0.9473	107.56306	205.72	2135.56	14735 13949	0.1122	383	381	3
139.917	0.9343	106.79567	258.37	2670.02	14623 13653	0.1126	425	423	3
140.417	0.9647	106.03646	136.50	1405.59	14850 14317	0.1130	357	355	3
140.917	0.9663	105.28532	130.38	1337.86	14714 14288	0.1134	432	430	3
141.417	0.9933	104.54213	25.47	280.44	14489 14383	0.1138	484	481	3
141.917	0.9905	103.80679	36.43	371.17	14647 14498	0.1142	410	408	3
142.417	0.9886	103.07917	43.45	441.14	14822 14446	0.1146	465	463	3
142.917	0.9759	102.35918	92.55	936.36	14864 14302	0.1150	418	416	3
143.417	0.9904	101.64670	36.78	370.84	14853 14700	0.1154	413	411	3
143.917	1.0004	100.94164	-1.46	-14.63	14554 14550	0.1158	437	435	3
144.417	0.9982	100.24389	6.78	67.92	14281 14246	0.1162	472	469	3
144.917	0.9908	99.55335	34.96	348.84	14558 14415	0.1166	435	433	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC HOUR	COUNTS OPEN	COUNTS SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
143.417	1.0078	98,86992	-29.39	-292.21	14237	14338	0.1170	472	469	3
143.917	0.9892	98,19350	41.27	408.94	14635	14467	0.1174	421	419	3
146.417	0.9941	97,52400	22.30	220.22	14401	14307	0.1178	462	460	3
146.917	1.0061	96,86133	-23.09	-227.26	14368	14446	0.1182	492	489	3
147.417	0.9843	96,20538	60.04	588.90	14405	14170	0.1186	523	520	3
147.917	0.9998	95,55608	0.70	6.89	14381	14369	0.1190	485	483	3
148.417	0.9997	94,91333	1.06	10.29	14479	14465	0.1194	485	483	3
148.917	0.9895	94,27704	40.24	390.74	14593	14430	0.1198	482	479	3
149.417	1.0119	93,64713	-45.14	-436.79	14308	14469	0.1203	478	475	3
149.917	1.0001	93,02351	-0.29	-2.80	14408	14399	0.1207	493	491	3
150.417	0.9976	92,40610	9.06	87.14	14439	14394	0.1211	466	464	3
150.917	0.9871	91,79481	49.18	471.17	14493	14297	0.1215	439	437	3
151.417	0.9959	91,18958	15.80	150.84	13956	13888	0.1219	456	454	3
151.917	0.9944	90,59030	21.26	202.33	13761	13675	0.1223	533	531	3
152.417	0.9782	89,99692	83.82	792.14	13675	13367	0.1227	509	506	3
152.917	1.0095	89,40934	-35.85	-339.01	13599	13718	0.1231	485	483	3
153.417	0.9783	88,82751	83.56	787.55	14060	13744	0.1235	531	529	3
153.917	0.9820	88,25133	69.15	649.62	14240	14248	0.1239	507	505	3
154.417	0.9954	87,68074	17.34	162.38	14838	14760	0.1243	531	528	3
154.917	1.0043	87,11567	-16.32	-152.29	14512	14562	0.1247	557	555	3
155.417	0.9979	86,55604	8.18	76.09	14486	14446	0.1251	514	511	3
155.917	0.9891	86,00179	41.81	387.75	14616	14446	0.1255	649	546	3
156.417	1.0000	85,45204	-11.08	-109.19	14223	14258	0.1259	561	559	3
156.917	1.0046	84,90913	-17.39	-160.23	14350	14406	0.1263	566	563	3
157.417	0.9968	84,37060	12.09	111.06	14302	14206	0.1267	537	534	3
157.917	0.9959	83,83717	15.69	143.70	14407	14338	0.1271	577	574	3
158.417	1.0108	83,30879	-40.76	-373.99	14421	14567	0.1275	569	566	3
158.917	1.0077	82,78538	-29.08	-264.55	14352	14459	0.1279	588	565	3
159.417	1.0099	82,26689	-37.45	-339.63	14365	14518	0.1283	633	629	3
159.917	0.9915	81,75326	32.47	293.58	14514	14380	0.1287	589	586	3
160.417	0.9923	81,24443	-29.23	-263.50	14528	14407	0.1291	588	585	3
160.917	1.0047	80,74033	-17.65	-158.63	14597	14655	0.1295	569	566	3
161.417	0.9915	80,24090	32.63	292.08	14472	14330	0.1299	691	688	3
161.917	1.0022	79,74610	-8.17	-72.97	14408	14429	0.1303	635	631	3
162.417	0.9942	79,25586	22.23	197.91	14535	14440	0.1307	642	638	3
162.917	1.0125	78,77012	-47.16	-448.55	14330	14499	0.1311	687	684	3
163.417	1.0035	78,28884	-13.32	-117.84	14437	14478	0.1315	634	631	3
163.917	0.9884	77,81195	44.22	390.05	14526	14348	0.1319	616	613	3
164.417	0.9921	77,33941	30.33	286.72	14578	14452	0.1323	682	678	3
164.917	0.9866	76,87116	51.11	446.12	14538	14334	0.1327	728	724	3
165.417	0.9760	76,40715	92.23	806.16	14532	14174	0.1331	668	664	3
165.917	1.0004	75,94733	-15.73	-137.11	14311	14300	0.1335	740	736	3
166.417	1.0010	75,49165	-3.95	-34.30	14529	14535	0.1339	686	682	3
166.917	0.9905	75,04006	36.44	315.69	14395	14248	0.1343	761	757	3
167.417	1.0149	74,59250	-56.16	-498.05	14242	14444	0.1347	707	703	3
167.917	0.9962	74,14894	14.58	125.51	14459	14394	0.1351	751	747	3
168.417	1.0032	73,70932	-12.02	-103.19	14309	14405	0.1355	760	756	3
168.917	0.9846	73,27360	59.14	506.23	14515	14281	0.1359	722	718	3
169.417	1.0007	72,84174	-2.60	-22.23	14242	14242	0.1363	692	689	3
169.917	1.0060	72,41368	-22.84	-194.38	14309	14382	0.1367	805	801	3
170.417	1.0006	71,98938	-2.29	-19.45	14443	14442	0.1372	748	744	3
170.917	0.9690	71,56880	119.73	1012.92	14216	14056	0.1376	748	744	3
171.417	0.9885	71,15180	44.14	412.06	14047	14172	0.1380	766	762	3
171.917	0.9882	70,73862	45.09	379.24	14294	14110	0.1384	836	832	3
172.417	0.9891	70,32894	41.64	369.24	14351	14185	0.1388	775	771	3
172.917	1.0069	69,92280	-25.99	-217.30	14193	14281	0.1392	777	773	3
173.417	0.9897	69,52018	39.47	329.13	14304	14147	0.1396	782	779	3
173.917	0.9895	69,12102	40.04	332.93	14434	14273	0.1400	770	766	3
174.417	0.9767	68,72529	89.46	741.60	14305	14158	0.1404	768	764	3
174.917	0.9486	68,33295	200.48	1657.22	14206	13751	0.1408	784	780	3
175.417	0.9523	67,94396	185.87	1532.13	14132	13448	0.1412	806	802	3
175.917	0.9542	67,55828	178.12	1464.00	14189	13530	0.1416	837	833	3
176.417	0.9719	67,17587	108.36	888.13	13790	13393	0.1420	765	761	3
176.917	0.9623	66,79671	146.08	1193.92	14123	13581	0.1424	720	716	3
177.417	0.9729	66,42074	104.59	852.40	14057	13666	0.1428	783	779	3
177.917	0.9683	66,04794	122.28	993.75	14449	13982	0.1432	762	758	3
178.417	1.0104	65,67827	-39.31	-318.57	14134	14272	0.1436	804	800	3
178.917	0.9966	65,31170	13.03	107.32	14207	14149	0.1440	758	755	3
179.417	1.0034	64,94818	-12.83	-103.38	14172	14230	0.1444	696	692	3
179.917	0.9892	64,58769	41.12	390.44	14460	14295	0.1448	638	635	3
180.417	0.9898	64,23020	38.88	311.61	13989	13837	0.1452	740	737	3
180.917	1.0254	63,87566	-95.24	-761.16	13895	14238	0.1456	707	704	3
181.417	0.9900	63,52405	38.33	305.50	14239	14087	0.1460	719	716	3
181.917	0.9801	63,17934	76.29	606.41	14325	14030	0.1464	728	725	3
182.417	0.9900	62,82949	38.33	303.80	14317	14164	0.1468	710	706	3
182.917	0.9795	62,48647	78.78	622.76	14265	13963	0.1472	754	750	3
183.417	0.9982	62,14625	6.79	53.50	13974	13940	0.1476	743	740	3
183.917	0.9806	61,80881	74.36	584.64	14340	14053	0.1480	687	684	3
184.417	0.9908	61,47411	4.75	37.27	14227	14200	0.1484	633	630	3
184.917	1.0076	61,14211	-28.88	-225.84	14180	14279	0.1488	661	658	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC HOUR E	COUNTS OPEN SAMPLE	FRAC, OF UCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE		
185.417	0.9978	60,81280	8.52	66.45	14220	14179	0.1492	662	659	3
185.917	0.9892	60,48615	41.07	319.45	14348	14184	0.1496	612	609	3
186.417	1.0123	60,16211	-46.27	-358.92	14237	14401	0.1500	627	624	3
186.917	0.9840	59,84068	61.26	473.87	14271	14033	0.1504	636	632	3
187.417	0.9943	59,52181	21.66	167.07	14300	14209	0.1508	697	694	3
187.917	0.9757	59,20549	93.49	719.35	14184	13830	0.1512	665	662	3
188.417	0.9938	58,89168	23.60	181.11	14229	14131	0.1516	639	636	3
188.917	0.9978	58,58036	8.45	64.71	14166	14125	0.1520	606	603	3
189.417	1.0169	58,27150	-63.57	-485.24	14065	14293	0.1524	656	652	3
189.917	0.9919	57,96507	30.88	235.09	14219	14095	0.1528	657	653	3
190.417	0.9953	57,66106	18.04	136.95	14100	14024	0.1532	615	612	3
190.917	0.9971	57,35944	10.91	82.66	14021	13972	0.1536	693	690	3
191.417	1.0102	57,06017	-38.47	-290.60	14044	14177	0.1541	571	569	3
191.917	0.9866	56,76324	51.42	387.44	14226	14025	0.1545	662	659	3
192.417	1.0114	56,46862	-43.05	-323.53	14064	14214	0.1549	578	575	3
192.917	0.9861	56,17629	53.15	396.37	14166	13959	0.1553	624	621	3
193.417	0.9965	55,88622	13.32	99.59	13912	13854	0.1557	646	643	3
193.917	0.9760	55,59840	92.40	686.97	14188	13838	0.1561	646	642	3
194.417	0.9877	55,31279	47.09	350.20	14106	13923	0.1565	648	644	3
194.917	0.9991	55,02938	3.31	24.53	13879	13858	0.1569	634	631	3
195.417	0.9539	54,74814	179.36	1327.16	14208	13601	0.1573	592	589	3
195.917	0.9151	54,46905	337.24	2488.96	14124	12916	0.1577	564	561	3
196.417	0.8669	54,19209	542.97	3997.10	13910	12049	0.1581	643	639	3
196.917	0.7278	53,91723	1207.50	8866.45	14088	10246	0.1585	611	608	3
197.417	0.6227	53,64447	1799.80	13182.14	14274	8883	0.1589	595	592	3
197.917	0.6370	53,37376	1713.78	12220.42	14288	9095	0.1593	555	552	3
198.417	0.7439	53,10510	1124.40	6193.87	13944	10365	0.1597	575	572	3
198.917	0.8572	52,83847	585.44	4255.60	14036	12023	0.1601	571	568	3
199.417	0.9163	52,57383	332.36	2409.87	13972	12793	0.1605	632	629	3
199.917	0.9517	52,31118	188.26	1361.61	13977	13293	0.1609	607	604	3
200.417	0.9727	52,05050	105.20	758.97	14144	13748	0.1613	577	573	3
200.917	1.0005	51,79175	-1.92	-13.81	13914	13912	0.1617	595	592	3
201.417	1.0081	51,53494	-30.76	-220.98	13947	14051	0.1621	591	588	3
201.917	0.9864	51,28002	52.22	373.93	14154	13952	0.1625	549	546	3
202.417	1.0119	51,02700	-45.03	-321.64	13894	14050	0.1629	599	596	3
202.917	1.0060	50,77584	-22.77	-162.27	13930	14004	0.1633	593	590	3
203.417	0.9917	50,52653	31.74	225.60	13987	13861	0.1637	583	580	3
203.917	0.9928	50,27906	27.36	194.14	14183	14072	0.1641	520	518	3
204.417	0.9845	50,03339	59.29	419.39	14000	13774	0.1645	568	565	3
204.917	1.0053	49,78953	-19.90	-140.41	13920	13983	0.1649	583	580	3
205.417	0.9979	49,54744	7.97	56.10	13917	13878	0.1653	583	580	3
205.917	0.9868	49,30711	50.61	355.35	13945	13752	0.1657	548	545	3
206.417	1.0017	49,06853	-6.35	-44.45	14069	14083	0.1661	559	556	3
206.917	1.0180	48,83167	-67.68	-472.92	13863	14103	0.1665	505	502	3
207.417	1.0043	48,59653	-16.29	-113.59	13827	13877	0.1669	584	581	3
207.917	1.0037	48,36308	-13.94	-96.95	13730	13771	0.1673	556	553	3
208.417	0.9851	48,13131	57.20	396.82	14156	13935	0.1677	504	502	3
208.917	1.0093	47,90120	-34.99	-242.18	13859	13978	0.1681	506	504	3
209.417	1.0010	47,67273	-5.98	-41.26	13840	13852	0.1685	575	572	3
209.917	1.0084	47,44590	-31.65	-210.03	13731	13836	0.1689	560	558	3
210.417	0.9972	47,22068	10.52	72.30	13985	13936	0.1693	472	469	3
210.917	0.9999	46,99707	0.34	2.33	13923	13912	0.1697	557	554	3
211.417	1.0092	46,77503	-34.83	-238.20	13810	13927	0.1701	503	500	3
211.917	1.0069	46,55457	-26.11	-176.17	13904	13990	0.1705	477	475	3
212.417	0.9982	46,33566	7.03	47.82	13762	13727	0.1710	513	511	3
212.917	1.0134	46,11829	-50.71	-344.34	13604	13830	0.1714	548	545	3
213.417	0.9998	45,90245	0.92	6.25	13741	13728	0.1718	461	458	3
213.917	1.0022	45,68812	-8.47	-57.25	13881	13903	0.1722	490	487	3
214.417	1.0064	45,47529	-24.06	-163.24	13935	14014	0.1726	471	469	3
214.917	0.9912	45,26394	33.56	225.79	13837	13706	0.1730	539	536	3
215.417	0.9988	45,05406	4.63	31.10	13769	13742	0.1734	462	460	3
215.917	1.0004	44,84564	-1.50	-10.05	13942	13938	0.1738	476	474	3
216.417	0.9981	44,63866	7.19	46.06	14013	13977	0.1742	487	484	3
216.917	1.0099	44,43311	-37.60	-250.63	13880	13706	0.1746	523	521	3
217.417	1.0161	44,22898	-60.74	-400.92	13597	13807	0.1750	448	446	3
217.917	1.0156	44,02625	-58.74	-389.74	13804	14010	0.1754	432	430	3
218.417	0.9953	43,82491	17.99	119.09	13734	13600	0.1758	458	456	3
218.917	1.0129	43,62495	-48.55	-320.70	13760	13928	0.1762	455	453	3
219.417	0.9839	43,42635	61.77	407.07	13926	13693	0.1766	456	454	3
219.917	1.0066	43,22911	-25.03	-164.59	13676	13757	0.1770	456	454	3
220.417	1.0044	43,03321	-16.61	-106.94	13771	13822	0.1774	487	485	3
220.917	1.0014	42,83863	-5.47	-35.80	13714	13724	0.1778	484	481	3
221.417	0.9999	42,64537	0.56	5.65	13653	13642	0.1782	463	460	3
221.917	1.0023	42,45342	-8.67	-56.51	13777	13799	0.1786	429	427	3
222.417	1.0100	42,26276	-37.89	-240.32	13688	14018	0.1790	424	422	3
222.917	0.9950	42,07339	18.92	122.71	13652	13575	0.1794	463	460	3
223.417	0.9866	41,88528	51.43	332.87	13888	13692	0.1798	416	414	3
223.917	0.9931	41,69843	26.16	166.93	13717	13614	0.1802	468	466	3
224.417	0.9928	41,51283	27.47	176.96	13798	13690	0.1806	364	362	3
224.917	0.9990	41,32846	3.89	25.01	13592	13569	0.1810	420	418	3

DELAY	TRANS.	ENERGY	X-SEC	X-SEC	COUNTS	FRAC.	FAST	BKGS	NO. PTS
				ROOT E	OPEN	SAMPLE	OF UCT	OPEN	SAMPLE
									AVE
225.417	0.9899	41.14533	38.74	240.52	13725	13605	0.1814	430	428
225.917	0.9968	40.96340	12.05	77.09	13607	13614	0.1816	449	447
226.417	0.9966	40.78268	12.78	61.59	13513	13459	0.1822	453	451
226.917	0.9928	40.60315	27.43	174.78	13714	13606	0.1826	417	414
227.417	0.9881	40.42481	45.63	290.09	13653	13481	0.1830	417	415
227.917	0.9799	40.24764	77.00	486.48	13741	13456	0.1834	418	415
228.417	1.0017	40.07163	-6.49	-41.08	13636	13650	0.1836	458	456
228.917	0.9994	39.89677	2.15	13.57	13903	13945	0.1842	356	355
229.417	0.9863	39.72305	52.57	331.35	13705	13507	0.1846	428	425
229.917	1.0034	39.55047	-13.04	-81.98	13736	13575	0.1850	443	440
230.417	1.0071	39.37901	-26.91	-168.86	13704	13792	0.1854	406	404
230.917	0.9931	39.20866	26.18	163.90	13515	13413	0.1858	412	410
231.417	1.0003	39.03941	-1.14	-7.10	13792	13785	0.1862	399	397
231.917	1.0039	38.87126	-14.86	-92.65	13566	13610	0.1866	405	403
232.417	0.9881	38.70419	49.17	307.90	13827	13640	0.1870	386	384
232.917	0.9852	38.53820	56.79	352.54	13501	13350	0.1875	352	350
233.417	1.0149	38.37327	-56.26	-348.51	13467	13658	0.1879	423	421
233.917	0.9731	38.20940	103.47	639.61	13688	13311	0.1883	399	397
234.417	1.0029	38.04658	-10.89	-67.17	13746	13575	0.1887	405	403
234.917	0.9875	37.88479	47.92	294.94	13651	13471	0.1891	448	445
235.417	0.9904	37.72404	36.60	224.80	13598	13459	0.1895	394	392
235.917	1.0179	37.56430	-67.47	-413.53	13234	13462	0.1899	475	473
236.417	1.0120	37.40558	-45.42	-277.79	13372	13523	0.1903	352	350
236.917	0.9912	37.24786	33.50	207.46	13430	13303	0.1907	398	396
237.417	0.9945	37.09114	21.15	126.79	13414	13330	0.1911	418	416
237.917	0.9969	36.93540	11.79	71.68	13633	13582	0.1915	391	389
238.417	1.0056	36.78064	-21.07	-127.80	13502	13568	0.1919	359	357
238.917	1.0007	36.62686	-2.77	-16.74	14442	13443	0.1923	364	362
239.417	1.0062	36.47403	-23.66	-142.90	13458	13533	0.1927	394	392
239.917	1.0039	36.32216	-14.66	-88.34	13467	13510	0.1931	360	358
240.417	0.9878	36.17124	46.55	279.98	13560	13386	0.1935	392	390
240.917	0.9769	36.02126	88.64	532.01	13551	13229	0.1939	404	402
241.417	1.0040	35.87220	-15.19	-90.90	13501	13545	0.1943	416	414
241.917	0.9802	35.72407	75.87	453.45	13693	13413	0.1947	384	382
242.417	0.9937	35.57686	24.19	144.26	13512	13417	0.1951	353	351
242.917	0.9959	35.43055	15.73	91.65	13665	13599	0.1955	432	430
243.417	0.9797	35.28515	77.95	463.02	13647	13301	0.1959	365	363
243.917	1.0018	35.14063	-6.77	-40.15	13462	13476	0.1963	373	371
244.417	0.9911	34.99701	33.79	199.88	13426	13300	0.1967	376	374
244.917	0.9922	34.85426	29.71	175.43	13448	13334	0.1971	412	410
245.417	0.9804	34.71238	75.17	442.89	13662	13385	0.1975	374	372
245.917	0.9812	34.57137	72.16	424.31	13620	13354	0.1979	371	369
246.417	0.9956	34.43122	16.65	97.67	13514	13445	0.1983	334	332
246.917	1.0038	34.29191	-14.59	-85.41	13362	13404	0.1987	374	372
247.417	1.0101	34.15346	-38.31	-220.91	13390	13517	0.1991	374	372
247.917	0.9965	34.01583	13.16	76.75	13430	13374	0.1995	347	346
248.417	0.9928	33.87904	27.59	160.61	13471	13365	0.1999	349	347
248.917	0.9915	33.74307	32.42	188.33	13485	13361	0.2003	341	339
249.417	0.9829	33.60792	65.46	379.49	13645	13403	0.2007	354	352
249.917	0.9869	33.47358	50.21	290.48	13575	13387	0.2011	343	342
250.417	0.9856	33.34004	55.27	317.15	13582	13377	0.2015	332	330
250.917	0.9862	33.20730	52.67	304.50	13517	13322	0.2019	323	322
251.417	1.0043	33.07535	-16.17	-92.99	13376	13424	0.2023	352	350
251.917	1.0090	32.94418	-34.04	-159.36	13346	13457	0.2027	324	323
252.417	1.0061	32.81380	-23.26	-135.26	13373	13446	0.2031	309	307
252.917	0.9822	32.68418	68.37	390.89	13495	13245	0.2035	276	275
253.417	0.9844	32.55534	59.69	340.59	13535	13315	0.2039	339	337
253.917	1.0017	32.42725	-6.47	-36.83	13589	13402	0.2044	271	269
254.417	0.9876	32.29992	47.59	270.45	13414	13240	0.2048	356	355
254.917	0.9708	32.17334	46.79	265.38	13290	13118	0.2052	311	309
255.417	0.9962	32.04749	14.32	81.05	13462	13402	0.2056	317	315
255.917	0.9943	31.92239	21.54	121.68	13371	13286	0.2060	316	315
256.417	1.0009	31.79802	-3.37	-19.03	13324	13326	0.2064	330	328
256.917	0.9972	31.67437	10.68	60.08	13359	13313	0.2068	327	326
257.417	0.9954	31.55144	17.41	97.81	13372	13301	0.2072	304	303
257.917	1.0003	31.42923	-0.97	-2.43	13302	13296	0.2076	304	302
258.417	0.9966	31.30773	12.80	71.62	13355	13301	0.2080	316	314
258.917	1.0037	31.18692	-14.13	-78.92	13118	13158	0.2084	307	305
259.417	0.9939	31.06682	23.19	129.25	13325	13245	0.2088	325	323
259.917	0.9804	30.94741	75.38	419.36	13542	13267	0.2092	307	306
260.417	0.9994	30.82869	2.11	11.70	13333	13316	0.2096	308	307
260.917	0.9844	30.71064	59.92	332.05	13369	13151	0.2100	331	329
261.417	0.9923	30.59328	29.33	162.20	13406	13294	0.2104	364	362
261.917	0.9974	30.47658	9.96	50.01	13164	13120	0.2108	303	301
262.417	1.0021	30.36056	-8.06	-44.39	13257	13276	0.2112	320	318
262.917	1.0141	30.24519	-53.18	-292.49	13172	13349	0.2116	321	320
263.417	1.0064	30.13048	-24.21	-136.91	13273	13348	0.2120	328	327
263.917	1.0034	30.01642	-12.89	-70.63	13146	13182	0.2124	357	355
264.417	1.0061	29.90301	-30.58	-167.23	13157	13254	0.2128	331	330
264.917	0.9862	29.79024	44.91	249.14	13202	13038	0.2132	321	319

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.
265.417	1.0040	29.67811	-15.05	-82.01	13091	13134	U.2130	313
265.917	0.9917	29.56660	31.71	172.41	13373	13253	U.2140	307
266.417	1.0051	29.45573	-19.50	-105.81	13200	13319	U.2144	326
266.917	0.9937	29.34548	24.13	130.72	13242	13149	U.2148	305
267.417	1.0136	29.23584	-51.34	-277.60	13033	13201	U.2152	303
267.917	1.0006	29.12682	-2.11	-11.37	13145	13143	U.2156	329
268.417	0.9955	29.01841	17.13	92.30	13155	13087	U.2160	303
268.917	1.0053	28.91060	-19.93	-107.17	13152	13212	U.2164	307
269.417	1.0016	28.80339	-5.98	-32.07	13124	13136	U.2168	316
269.917	1.0140	28.69678	+52.84	+265.07	13136	13311	U.2172	308
270.417	0.9911	28.59076	34.02	181.89	13099	12974	U.2176	366
270.917	1.0065	28.48532	+24.59	+131.23	13046	13123	U.2180	313
271.417	1.0045	28.38047	-17.02	-90.69	13042	13091	U.2184	292
271.917	1.0018	28.27619	-6.92	-36.82	13135	13130	U.2188	304
272.417	1.0366	28.17249	-136.63	-725.20	12686	13348	U.2192	254
272.917	0.9785	28.06936	82.71	438.22	12996	12707	U.2196	313
273.417	1.0006	27.96679	-2.23	-11.77	12872	12871	U.2200	319
273.917	1.0087	27.86478	+33.01	+174.23	12722	12824	U.2204	309
274.417	0.9908	27.76333	35.02	164.54	12595	12471	U.2209	326
274.917	0.9792	27.66244	79.71	419.22	12572	12303	U.2213	303
275.417	0.9985	27.56209	5.63	29.58	12503	12476	U.2217	312
275.917	0.9861	27.46229	53.37	279.68	12522	12339	U.2221	312
276.417	1.0233	27.36302	+67.67	+458.62	12608	12694	U.2225	277
276.917	1.0024	27.26430	-8.98	-40.89	12939	12901	U.2229	290
277.417	0.9969	27.16611	11.69	60.94	12855	12806	U.2233	308
277.917	1.0074	27.06845	-28.12	-140.32	12794	12881	U.2237	284
278.417	0.9879	26.97131	46.26	240.33	12611	12647	U.2241	298
278.917	1.0123	26.87470	+46.43	+240.71	12944	13094	U.2245	285
279.417	0.9976	26.77860	9.10	47.08	12926	12916	U.2249	286
279.917	1.0157	26.68302	+59.15	+305.52	12849	13042	U.2253	312
280.417	0.9896	26.58795	39.61	204.23	13120	12975	U.2257	265
280.917	0.9830	26.49339	65.27	335.95	12990	12760	U.2261	312
281.417	0.9903	26.39933	36.91	169.66	13153	13017	U.2265	291
281.917	1.0125	26.30577	-47.21	-242.12	12901	13114	U.2269	266
282.417	0.9952	26.21271	18.33	93.83	12954	12882	U.2273	312
282.917	1.0039	26.12014	+14.91	+76.20	13037	13079	U.2277	297
283.417	0.9969	26.02806	11.79	60.17	12942	12893	U.2281	315
283.917	0.9952	25.93647	18.44	93.89	12998	12926	U.2285	308
284.417	1.0171	25.84535	+64.27	+326.72	12984	13196	U.2289	281
284.917	0.9933	25.75472	25.60	129.92	12864	12788	U.2293	267
285.417	0.9957	25.66456	16.49	85.56	13108	13042	U.2297	259
285.917	0.9965	25.57488	13.50	66.28	13002	12947	U.2301	266
286.417	1.0001	25.48567	-0.21	-1.08	12848	12840	U.2305	317
286.917	0.9653	25.39692	134.36	677.11	13199	12731	U.2309	269
287.417	1.0002	25.30863	-0.85	-4.29	12782	12775	U.2313	303
287.917	0.9733	25.22031	102.86	516.59	13053	12696	U.2317	281
288.417	0.9952	25.13344	18.22	91.35	12958	12887	U.2321	282
288.917	0.9982	25.04652	6.69	33.50	12870	12838	U.2325	267
289.417	0.9800	24.96005	78.94	384.40	13022	12752	U.2329	256
289.917	0.9936	24.87403	24.44	121.87	12916	12825	U.2333	275
290.417	1.0037	24.78846	+14.05	+69.96	12761	12800	U.2337	278
290.917	0.9711	24.70332	111.57	554.52	12986	12602	U.2341	266
291.417	1.0042	24.61862	-15.81	-76.44	12903	12948	U.2345	284
291.917	0.9858	24.53436	54.21	268.51	12834	12643	U.2349	266
292.417	1.0100	24.45053	-37.86	-187.21	12859	12979	U.2353	284
292.917	0.9600	24.36713	76.74	376.79	12838	12573	U.2357	261
293.417	0.9962	24.28416	14.41	71.00	12994	12936	U.2361	276
293.917	0.9990	24.20160	3.93	19.36	12947	12925	U.2365	288
294.417	1.0062	24.11547	+23.39	+114.86	12848	12919	U.2369	272
294.917	1.0151	24.03776	-56.98	-279.34	12683	12866	U.2373	271
295.417	1.0052	23.95646	-19.84	-97.11	12734	12792	U.2378	253
295.917	0.9964	23.87557	13.73	67.07	12714	12660	U.2382	274
296.417	1.0067	23.79509	-25.50	-124.38	12652	12758	U.2386	237
296.917	1.0012	23.71502	-4.69	-22.83	12788	12795	U.2390	273
297.417	1.0157	23.63535	-59.03	-286.99	12808	13001	U.2394	270
297.917	1.0000	23.55608	-2.96	-11.37	12947	12998	U.2398	274
298.417	0.9756	23.47721	94.04	455.64	12936	12611	U.2402	275
298.917	1.0042	23.39873	+15.82	+76.52	12637	12681	U.2406	278
299.417	1.0133	23.32065	-50.84	-241.67	12702	12802	U.2410	268
299.917	1.0216	23.24296	+81.32	+322.03	12514	12578	U.2414	277
300.417	0.9738	23.16565	101.06	486.48	12987	12638	U.2418	236
300.917	1.0092	23.08873	+34.87	+167.55	12620	12728	U.2422	244
301.417	0.9796	23.01219	78.51	376.63	12813	12542	U.2426	281
301.917	0.9814	22.93604	71.47	342.29	12777	12530	U.2430	280
302.417	0.9757	22.86026	93.33	446.24	12764	12446	U.2434	264
302.917	0.9822	22.78485	68.31	326.06	12811	12574	U.2438	248
303.417	0.9762	22.70982	91.47	435.89	12694	12384	U.2442	264
303.917	0.9726	22.63516	105.49	501.87	12682	12326	U.2446	248
304.417	0.9657	22.56086	132.65	630.05	12670	12227	U.2450	259
304.917	0.9701	22.48693	115.49	547.64	12751	12361	U.2454	227

DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FAC, OF OCT	FAST OPEN	BKGS SAMPLE	NO, PTS AVE,	
305.417	0.9917	22.41337	31.58	149.51	12722	12608	0.2458	235	234	3
305.917	0.9617	22.34016	148.49	701.82	12808	12308	0.2462	228	227	3
306.417	0.9847	22.26731	58.46	272.87	12761	12577	0.2466	235	234	3
306.917	0.9764	22.19482	90.63	426.96	12712	12462	0.2470	264	263	3
307.417	0.9934	22.12268	25.21	118.59	12702	12609	0.2474	235	234	3
307.917	1.0025	22.05089	-9.60	-49.10	12590	12613	0.2478	251	250	3
308.417	0.9894	21.97945	40.68	191.71	12700	12596	0.2482	240	239	3
308.917	0.9885	21.90836	43.93	202.04	12631	12477	0.2486	262	261	3
309.417	0.9896	21.83761	39.64	185.22	12549	12410	0.2490	267	265	3
309.917	0.9763	21.76721	91.01	424.60	12715	12406	0.2494	276	274	3
310.417	0.9924	21.69714	29.11	135.61	12581	12477	0.2498	269	268	3
310.917	1.0065	21.62741	-24.51	-115.97	12403	12475	0.2502	268	267	3
311.417	0.9900	21.55802	38.20	177.34	12623	12488	0.2506	239	238	3
311.917	0.9863	21.48896	52.27	242.29	12601	12421	0.2510	254	252	3
312.417	0.9958	21.42023	15.88	73.51	12587	12526	0.2514	242	241	3
312.917	0.9806	21.35183	74.40	343.80	12631	12377	0.2518	250	249	3
313.417	0.9728	21.28376	104.79	485.43	12601	12250	0.2522	256	255	3
313.917	0.9952	21.21601	18.45	84.97	12531	12462	0.2526	266	265	3
314.417	1.0212	21.14859	-79.75	-366.76	12227	12478	0.2530	233	232	3
314.917	0.9728	21.08149	104.74	486.90	12586	12041	0.2534	197	196	3
315.417	0.9862	21.01470	52.79	241.98	12499	12318	0.2538	229	228	3
315.917	0.9889	20.94874	47.53	194.80	12449	12089	0.2542	264	263	3
316.417	0.9905	20.88208	36.15	165.21	12422	12296	0.2547	216	214	3
316.917	1.0063	20.81625	-23.81	-108.62	12221	12591	0.2551	240	239	3
317.417	0.9895	20.75072	40.21	183.15	12558	12418	0.2555	238	237	3
317.917	0.9994	20.68550	2.31	10.50	12475	12459	0.2559	205	204	3
318.417	1.0103	20.62058	-38.96	-170.93	12460	12580	0.2563	238	237	3
318.917	0.9894	20.55498	40.46	184.16	12650	12300	0.2567	239	237	3
319.417	1.0140	20.49167	-52.96	-239.73	12442	12608	0.2571	223	222	3
319.917	1.0073	20.42767	-27.75	-125.44	12421	12504	0.2575	224	223	3
320.417	1.0148	20.36397	-56.01	-272.74	12401	12577	0.2579	245	244	3
320.917	0.9956	20.30056	16.67	75.09	12504	12441	0.2583	194	193	3
321.417	1.0105	20.23745	-51.07	-229.73	12314	12472	0.2587	222	221	3
321.917	0.9927	20.17463	27.81	124.93	12573	12473	0.2591	200	199	3
322.417	1.0017	20.11211	-6.27	-28.13	12575	12507	0.2595	198	197	3
322.917	0.9843	20.04987	60.23	269.68	12447	12233	0.2599	229	228	3
323.417	1.0161	19.98793	-60.75	-271.58	12374	12565	0.2603	206	205	3
323.917	0.9734	19.92627	102.29	496.61	12643	12299	0.2607	230	229	3
324.417	0.9750	19.86489	96.22	428.86	12548	12226	0.2611	209	208	3
324.917	0.9943	19.80380	21.68	96.47	12489	12210	0.2615	257	256	3
325.417	1.0092	19.74299	-34.94	-155.27	12315	12420	0.2619	229	228	3
325.917	1.0172	19.68246	-64.76	-267.32	12101	12362	0.2623	217	216	3
326.417	1.0087	19.62221	-33.01	-146.24	12340	12439	0.2627	231	229	3
326.917	1.0010	19.56223	-3.72	-16.45	12249	12252	0.2631	203	202	3
327.417	1.0183	19.50253	-68.95	-304.48	12210	12425	0.2635	228	227	3
327.917	0.9870	19.44310	49.58	210.61	12264	12097	0.2639	214	213	3
328.417	0.9989	19.38395	4.21	18.55	12290	12276	0.2643	193	192	3
328.917	0.9905	19.32506	36.36	159.92	12302	12176	0.2647	212	211	3
329.417	1.0115	19.26644	-43.43	-190.61	12073	12203	0.2651	218	216	3
329.917	1.0122	19.20808	-46.10	-202.04	12244	12395	0.2655	244	243	3
330.417	1.0062	19.14999	-31.04	-135.83	12277	12369	0.2659	191	190	3
330.917	1.0078	19.09217	-29.43	-128.61	12187	12273	0.2663	212	211	3
331.417	1.0010	19.03460	-3.91	-17.04	12240	12245	0.2667	207	206	3
331.917	0.9774	18.97730	86.68	377.62	12335	12048	0.2671	220	219	3
332.417	0.9994	18.92025	2.26	9.90	12210	12194	0.2675	231	230	3
332.917	0.9983	18.86347	6.53	28.37	12041	12012	0.2679	201	200	3
333.417	0.9897	18.80693	39.48	171.20	12213	12078	0.2683	188	187	3
333.917	0.9834	18.75065	63.73	275.98	12175	11964	0.2687	217	216	3
334.417	1.0255	18.69462	-95.60	-413.35	11931	12227	0.2691	186	186	3
334.917	1.0058	18.63885	-22.01	-95.03	12001	12063	0.2695	209	208	3
335.417	0.9991	18.58332	3.51	15.15	12100	12140	0.2699	182	182	3
335.917	0.9681	18.52804	123.31	536.77	12384	11980	0.2703	209	208	3
336.417	0.9761	18.47301	92.00	395.42	12262	11961	0.2707	201	200	3
336.917	1.0367	18.41822	-137.03	-588.07	12033	12466	0.2712	179	179	3
337.417	0.9885	18.36367	43.97	188.44	12220	12101	0.2716	202	201	3
337.917	0.9843	18.30937	59.97	256.80	12166	11987	0.2720	179	178	3
338.417	1.0241	18.25530	-90.52	-386.77	12118	12402	0.2724	182	181	3
338.917	0.9920	18.20148	30.42	129.76	12228	12122	0.2728	183	182	3
339.417	0.9987	18.14789	4.85	20.64	12267	12243	0.2732	198	197	3
339.917	0.9924	18.09454	28.89	122.88	12223	12321	0.2736	178	177	3
340.417	0.9966	18.04143	12.75	54.16	12171	12122	0.2740	189	188	3
340.917	1.0269	17.98855	-100.70	-427.08	12013	12327	0.2744	197	196	3
341.417	0.9911	17.93590	34.05	144.19	12306	12247	0.2748	181	180	3
341.917	1.0176	17.88348	-66.13	-279.65	12033	12235	0.2752	199	198	3
342.417	0.9937	17.83129	24.05	101.56	12273	12187	0.2756	199	198	3
342.917	0.9931	17.77933	26.35	111.10	12239	12146	0.2760	188	187	3
343.417	0.9925	17.72759	28.43	119.68	12274	12174	0.2764	194	193	3
343.917	0.9890	17.67609	42.17	177.31	12213	12070	0.2768	200	199	3
344.417	0.9961	17.62480	14.89	62.51	12191	12135	0.2772	144	144	3
344.917	0.9946	17.57374	20.64	80.53	12059	11985	0.2776	205	204	3

A-8. Composite Data, 0.008-8000 eV

(Used for Figures 1 & 2)

IDENTIFICATION	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN	SAMPLE COUNTS	NO. PTS AVE.
PU 242 239 2118	16,450	0,9371	7726,10767	17,53	1541,05	17262	15727	3
PU 242 239 2118	16,950	0,9383	7277,01312	17,18	1465,96	18089	16502	3
PU 242 239 2118	17,450	0,9289	6865,96680	19,92	1650,70	18208	16443	3
PU 242 239 2118	17,950	0,9299	6488,78900	19,63	1581,05	17788	16081	3
PU 242 239 2118	18,450	0,9305	6141,85864	19,45	1524,59	16891	15280	3
PU 242 239 2118	18,950	0,9398	5622,02588	16,75	1278,27	17671	16146	3
PU 242 239 2118	19,450	0,9378	5526,54041	17,34	1289,30	17774	16204	3
PU 242 239 2118	19,950	0,9259	5252,99219	20,78	1506,03	19839	17858	3
PU 242 239 2118	20,450	0,9312	4999,26239	19,25	1361,13	20680	18721	3
PU 242 239 2118	20,950	0,9233	4763,48175	21,54	1486,54	20413	18323	3
PU 242 239 2118	21,450	0,9235	4543,99628	21,46	1448,03	20032	17985	3
PU 242 239 2118	21,950	0,9189	4339,33826	22,83	1503,63	20266	18104	3
PU 242 239 2118	22,450	0,9315	4146,20166	19,17	1234,61	19444	17607	3
PU 242 239 2118	22,950	0,9118	3969,42117	24,94	1571,06	19813	17562	3
PU 242 239 2118	23,450	0,9177	3601,95404	23,20	1430,63	19249	17172	3
PU 242 239 2118	23,950	0,9131	3644,86563	24,55	1481,93	20091	17834	3
PU 242 239 2118	24,450	0,9338	3497,31561	18,48	1093,11	21206	19251	3
PU 242 239 2118	24,950	0,9149	3358,54721	24,01	1391,67	20276	18034	3
PU 242 239 2118	25,450	0,9248	3227,87704	21,10	1198,72	20674	18587	3
PU 242 239 2118	25,950	0,9336	3104,68704	18,55	1033,33	20614	18710	3
PU 242 239 2118	26,450	0,9483	2988,41705	14,33	783,21	19942	18385	3
PU 242 239 2118	26,950	0,9439	2878,55823	15,60	836,74	19662	18042	3
PU 242 239 2118	27,450	0,9209	2774,64777	22,25	1172,25	19925	17838	3
PU 242 239 2118	27,950	0,9357	2670,26389	17,95	928,56	19786	17998	3
PU 242 239 2118	28,450	0,9175	2583,02145	23,24	1181,36	18066	16114	3
PU 242 239 2118	28,950	0,9305	2494,56842	19,46	971,95	17553	15877	3
PU 242 239 2118	29,450	0,9145	2410,58228	24,12	1184,18	17182	15276	3
PU 242 239 2118	29,950	0,9275	2330,76721	20,33	981,36	17088	15407	3
PU 242 239 2118	30,450	0,9264	2254,85159	20,63	979,76	17495	15756	3
PU 242 239 2118	30,950	0,9322	2182,58542	18,97	886,27	17859	16183	3
PU 242 239 2118	31,450	0,9069	2113,73849	26,37	1212,43	18926	16687	3
PU 242 239 2118	31,950	0,9155	2048,09845	23,83	1078,63	19240	17123	3
PU 242 239 2118	32,450	0,9167	1985,46919	23,49	1046,72	19971	17796	3
PU 242 239 2118	32,950	0,9160	1925,66934	23,68	1039,10	20021	17829	3
PU 242 239 2118	33,450	0,9380	1868,53102	17,28	746,75	20320	18529	3
PU 242 239 2118	33,950	0,9435	1813,89857	15,71	669,05	20734	19017	3
PU 242 239 2118	34,450	0,9371	1761,62759	17,55	736,73	20461	18639	3
PU 242 239 2118	34,950	0,9264	1711,58392	20,65	854,17	20459	18425	3
PU 242 239 2118	35,450	0,9374	1663,64276	17,45	711,84	20557	18733	3
PU 242 239 2118	35,950	0,9394	1617,68800	16,87	676,46	19737	18024	3
PU 242 239 2118	36,450	0,9444	1573,61139	15,45	612,69	20501	18821	3
PU 242 239 2118	36,950	0,9354	1531,31195	18,03	705,69	20115	18291	3
PU 242 239 2118	37,450	0,9173	1490,69540	23,29	899,34	21109	18825	3
PU 242 239 2118	37,950	0,9336	1451,67365	18,56	707,02	20287	18412	3
PU 242 239 2118	38,450	0,9133	1414,16429	24,49	921,09	20333	18052	3
PU 242 239 2118	38,950	0,9015	1378,09015	28,00	1039,33	20765	18197	3
PU 242 239 2118	39,450	0,9138	1343,37895	24,33	891,85	20072	17830	3
PU 242 239 2118	39,950	0,9167	1309,96288	23,49	850,24	19922	17752	3
PU 242 239 2118	40,450	0,9177	1277,77827	23,18	828,46	19570	17460	3
PU 242 239 2118	40,950	0,9417	1246,76540	16,21	572,21	19751	18082	3
PU 242 239 2118	41,450	0,9213	1216,86804	22,13	771,83	19951	17868	3
PU 242 239 2118	41,950	0,8964	1188,03333	29,52	1017,53	19566	17050	3
PU 242 239 2118	42,450	0,9334	1160,21150	18,62	634,13	18208	16520	3
PU 242 239 2118	42,950	0,9103	1133,35568	25,39	854,72	17720	15680	3
PU 242 239 2118	43,450	0,9272	1107,42163	20,39	678,70	17401	15685	3
PU 242 239 2118	43,950	0,9244	1082,36765	21,21	697,91	17716	15920	3
PU 242 239 2118	44,450	0,9265	1058,15437	20,61	670,40	17430	15699	3
PU 242 239 2118	44,950	0,9159	1034,74460	23,72	762,94	18674	16626	3
PU 242 239 2118	45,450	0,9256	1012,10318	20,88	664,41	18502	16647	3
PU 242 239 2118	45,950	0,9205	990,19683	22,38	704,09	19027	17025	3
PU 242 239 2118	46,450	0,9448	968,99409	15,34	477,51	18689	17164	3
PU 242 239 2118	46,950	0,9163	948,46513	23,59	726,42	19354	17240	3
PU 242 239 2118	47,450	0,9251	928,58173	21,01	640,12	18736	16849	3
PU 242 239 2118	47,950	0,9254	909,31706	20,93	631,15	19308	17369	3
PU 242 239 2118	48,450	0,9062	890,64574	26,58	793,23	19329	17028	3
PU 242 239 2118	48,950	0,9312	872,54367	19,24	568,41	18771	16992	3
PU 242 239 2118	49,450	0,8949	854,98790	29,98	876,67	19071	16590	3
PU 242 239 2118	49,950	0,8896	837,95670	31,59	914,46	19172	16579	3
PU 242 239 2118	50,450	0,8959	821,42936	29,67	850,41	18910	16469	3
PU 242 239 2118	50,950	0,8822	805,38621	33,83	960,08	18863	16177	3

IDENTIFICATION	DELAY	TRANS.	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN SAMPLE	NO. PTS AVE,
PU 242 239 2118	51.450	0.8637	789,80850	39.57	1112.09	19116 16051	3
PU 242 239 2118	51.950	0.8800	774,67841	34.51	960.47	19066 16310	3
PU 242 239 2118	52.450	0.8817	759,97897	33.99	937.02	18884 16185	3
PU 242 239 2118	52.950	0.8958	745,69397	29.71	811.36	18799 16370	3
PU 242 239 2118	53.450	0.8859	731,80798	32.71	884.94	18891 16268	3
PU 242 239 2118	53.950	0.8934	718,30627	30.42	815.31	18662 16208	3
PU 242 239 2118	54.450	0.9048	705,17482	27.00	716.95	18569 16333	3
PU 242 239 2118	54.950	0.9282	692,40017	20.13	529.65	18446 16643	3
PU 242 239 2118	55.450	0.9353	679,96954	18.06	470.99	18343 16677	3
PU 242 239 2118	55.950	0.9377	667,87068	17.36	448.59	18502 16866	3
PU 242 239 2118	56.450	0.9493	656,09189	14.06	360.10	18584 17149	3
PU 242 239 2118	56.950	0.9388	644,62197	17.06	433.22	18646 17015	3
PU 242 239 2118	57.450	0.9390	633,45023	16.99	427.56	18504 16890	3
PU 242 239 2118	57.950	0.9318	622,56641	19.08	476.08	18166 16454	3
PU 242 239 2118	58.450	0.9112	611,96069	25.11	621.28	18252 16167	3
PU 242 239 2118	58.950	0.9022	601,62370	27.78	681.29	18244 16000	3
PU 242 239 2118	59.450	0.9065	591,54643	26.50	644.42	18238 16072	3
PU 242 239 2118	59.950	0.9018	581,72025	27.92	673.32	17996 15775	3
PU 242 239 2118	60.450	0.9105	572,13689	25.32	605.75	18063 15986	3
PU 242 239 2118	60.950	0.9079	562,78840	26.09	618.96	17993 15879	3
PU 242 239 2118	61.450	0.9017	553,66718	27.94	657.40	17970 15751	3
PU 242 239 2118	61.950	0.9066	544,76503	26.48	610.04	17972 15630	3
PU 242 239 2118	62.450	0.8734	536,07761	36.54	845.92	17821 15131	3
PU 242 239 2118	62.950	0.8845	527,59551	33.14	761.12	18170 15623	3
PU 242 239 2118	63.450	0.9117	514,31313	24.96	568.91	17507 15515	3
PU 242 239 2118	63.950	0.9020	511,22427	27.83	629.33	17793 15601	3
PU 242 239 2118	64.450	0.8886	503,32294	31.89	715.35	17699 15288	3
PU 242 239 2118	64.950	0.9001	495,60337	28.41	632.57	17840 15609	3
PU 242 239 2118	65.450	0.9260	488,06005	20.76	458.57	17543 15791	3
PU 242 239 2118	65.950	0.9388	480,68765	17.05	373.75	17598 16060	3
PU 242 239 2118	66.450	0.9410	473,48104	16.43	357.43	17848 16325	3
PU 242 239 2118	66.950	0.9272	466,43530	20.41	440.76	17682 15936	3
PU 242 239 2118	67.450	0.9464	459,54565	14.89	319.14	17357 15967	3
PU 242 239 2118	67.950	0.9533	452,80753	12.91	274.75	17711 16412	3
PU 242 239 2118	68.450	0.9605	446,21654	10.87	229.67	17410 16256	3
PU 242 239 2118	68.950	0.9461	439,76841	14.96	313.65	17285 15897	3
PU 242 239 2118	69.450	0.9479	433,45904	14.44	300.56	17059 15719	3
PU 242 239 2118	69.950	0.9328	427,28449	18.77	388.05	17228 15622	3
PU 242 239 2118	70.450	0.9384	421,24094	17.17	352.41	16849 15369	3
PU 242 239 2118	70.950	0.9410	415,32471	16.43	334.86	16906 15518	3
PU 242 239 2118	71.450	0.9289	409,53224	19.93	403.27	16976 15328	3
PU 242 239 2118	71.950	0.9216	403,86012	22.05	443.15	16619 14888	3
PU 242 239 2118	72.450	0.9321	398,30502	18.98	378.80	16655 15091	3
PU 242 239 2118	72.950	0.9143	392,86376	24.20	479.56	16289 14477	3
PU 242 239 2118	73.450	0.9134	387,53325	24.46	481.43	16148 14338	3
PU 242 239 2118	73.950	0.8828	382,31048	33.66	658.09	15776 13538	3
PU 242 239 2118	74.450	0.9017	377,19260	27.94	542.58	15267 13382	3
PU 242 239 2118	74.950	0.9225	372,17679	21.77	420.05	14723 13203	3
PU 242 239 2118	75.450	0.9224	367,26038	21.80	417.85	13624 12215	3
PU 242 239 2118	75.950	0.9338	362,44074	18.49	352.02	13058 11853	3
PU 242 239 2118	76.450	0.9341	357,71535	18.40	348.04	11775 10692	3
PU 242 239 2118	76.950	0.9322	353,08178	18.95	355.99	10466 9484	3
PU 242 239 2118	77.450	0.9216	348,53767	22.05	411.56	8938 8007	3
PU 242 239 2118	77.950	0.9296	344,08071	19.71	365.60	7635 6899	3
PU 242 239 2118	78.450	0.9090	339,70870	25.76	474.79	6605 5836	3
PU 242 239 2118	78.950	0.8950	335,41949	29.96	548.68	6160 5359	3
PU 242 239 2118	79.450	0.8337	331,21101	49.11	893.79	6930 5515	3
PU 242 239 2118	79.950	0.8219	327,08123	52.96	957.84	8180 6603	3
PU 242 239 2118	80.450	0.7843	323,02822	65.58	1178.74	9670 7373	3
PU 242 239 2118	80.950	0.7875	319,05008	64.48	1191.81	11256 8617	3
PU 242 239 2118	81.450	0.8573	315,14497	41.57	738.03	12495 10379	3
PU 242 239 2118	81.950	0.8875	311,31113	32.23	568.74	13498 11644	3
PU 242 239 2118	82.450	0.9225	307,54682	21.77	381.74	13752 12332	3
PU 242 239 2118	82.950	0.9027	303,85038	27.63	481.71	14433 12664	3
PU 242 239 2118	83.450	0.8916	300,22018	30.99	536.94	15118 13102	3
PU 242 239 2118	83.950	0.8990	296,65465	28.74	495.06	15654 13680	3
PU 242 239 2118	84.450	0.9256	293,15227	20.88	357.52	15713 14137	3
PU 242 239 2118	84.950	0.9701	289,71154	8.21	139.70	15473 14590	3
PU 242 239 2118	85.450	0.9500	286,33104	13.85	234.30	15918 14699	3
PU 242 239 2118	85.950	0.9672	283,00936	9.00	151.40	15949 14995	3
PU 242 239 2118	86.450	0.9440	279,74515	15.55	260.11	16237 14900	3
PU 242 239 2118	86.950	0.9133	276,53709	24.50	407.35	16395 14554	3
PU 242 239 2118	87.450	0.9267	273,38390	20.55	339.74	16350 14728	3
PU 242 239 2118	87.950	0.9180	270,28433	23.09	379.57	16623 14834	3
PU 242 239 2118	88.450	0.9247	267,23718	21.12	345.31	16604 14925	3
PU 242 239 2118	88.950	0.9533	264,24127	12.91	209.83	16631 15412	3
PU 242 239 2118	89.450	0.9403	261,29546	16.63	268.88	16966 15506	3
PU 242 239 2118	89.950	0.9263	258,39864	20.67	332.21	17138 15431	3
PU 242 239 2118	90.450	0.9350	255,54972	18.13	289.90	16831 15298	3
PU 242 239 2118	90.950	0.9467	252,74767	14.79	235.13	16714 15380	3

IDENTIFICATION	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN	SAMPLE	NO. PTS.	AVE.
PU 242 239 2118	91.450	0.9376	249.99144	17.41	275.28	16849	15355	3	
PU 242 239 2118	91.950	0.9507	247.28006	13.64	214.43	16848	15570	3	
PU 242 239 2118	92.450	0.9639	244.61255	9.92	155.10	16600	15554	3	
PU 242 239 2118	92.950	0.9635	241.98797	10.04	156.25	16489	15442	3	
PU 242 239 2118	93.450	0.9344	239.40541	18.31	283.25	16962	15407	3	
PU 242 239 2118	93.950	0.9197	236.86397	22.60	347.76	17010	15207	3	
PU 242 239 2118	94.450	0.9152	234.36278	23.93	366.36	16923	15055	3	
PU 242 239 2118	94.950	0.9155	231.90100	23.83	362.85	16801	15022	3	
PU 242 239 2118	95.450	0.9233	229.47781	21.55	326.44	16805	15042	3	
PU 242 239 2118	95.950	0.9362	227.09240	17.80	266.21	16850	15334	3	
PU 242 239 2118	96.450	0.9280	224.74400	20.17	302.31	16812	15166	3	
PU 242 239 2118	96.950	0.9226	222.43183	21.76	324.50	16690	14967	3	
PU 242 239 2118	97.450	0.9266	220.15516	20.57	305.19	16604	14955	3	
PU 242 239 2118	97.950	0.9220	217.91327	21.92	323.58	16538	14822	3	
PU 242 239 2118	98.450	0.8958	215.70545	29.70	436.24	17019	14819	3	
PU 242 239 2118	98.950	0.9239	213.53102	21.38	312.42	16425	14750	3	
PU 242 239 2118	99.450	0.8978	211.38929	29.10	423.08	16698	14572	3	
PU 242 239 2118	99.950	0.8976	209.27963	29.17	422.04	16572	14459	3	
PU 242 239 2118	100.450	0.8318	207.20140	49.74	715.94	16596	13418	3	
PU 242 239 2118	100.950	0.8275	205.15396	51.11	732.09	16855	13558	3	
PU 242 239 2118	101.450	0.8475	203.13673	44.69	636.92	16796	13836	3	
PU 242 239 2118	101.950	0.8922	201.14910	30.79	436.63	16609	14404	3	
PU 242 239 2118	102.450	0.9444	199.19051	15.46	218.17	16417	15070	3	
PU 242 239 2118	102.950	0.9503	197.26038	13.75	193.13	16719	15444	3	
PU 242 239 2118	103.450	0.9340	195.35817	18.44	257.72	16813	15264	3	
PU 242 239 2118	103.950	0.9332	193.48334	18.68	259.79	16815	15252	3	
PU 242 239 2118	104.450	0.9593	191.63537	11.21	155.24	16480	15367	3	
PU 242 239 2118	104.950	0.9490	189.81375	14.14	194.84	16452	15176	3	
PU 242 239 2118	105.450	0.9641	188.01798	9.88	135.47	16512	15474	3	
PU 242 239 2118	105.950	0.9234	186.24758	21.52	293.75	16890	15159	3	
PU 242 239 2118	106.450	0.9440	184.50206	15.55	211.23	16890	15498	3	
PU 242 239 2118	106.950	0.9269	182.78097	20.48	276.92	16665	15015	3	
PU 242 239 2118	107.450	0.9427	181.08385	15.94	214.51	16813	15405	3	
PU 242 239 2118	107.950	0.9213	179.41026	22.13	296.36	16689	14946	3	
PU 242 239 2118	108.450	0.9739	177.75976	7.15	95.28	16303	15433	3	
PU 242 239 2118	108.950	0.9358	176.13193	17.91	237.74	16671	15164	3	
PU 242 239 2118	109.450	0.9525	174.52636	13.14	173.63	16337	15126	3	
PU 242 239 2118	109.950	0.9545	172.94264	12.57	165.30	16469	15280	3	
PU 242 239 2118	110.450	0.9509	171.38039	13.59	177.92	16419	15176	3	
PU 242 239 2118	110.950	0.9673	169.83920	8.97	116.91	16173	15207	3	
PU 242 239 2118	111.450	0.9708	168.31872	8.01	103.91	16006	15103	3	
PU 242 239 2118	111.950	0.9355	166.81856	18.00	232.48	16461	14968	3	
PU 242 239 2118	112.450	0.9291	165.33837	19.86	255.41	16657	15042	3	
PU 242 239 2118	112.950	0.9400	163.87779	16.71	213.96	16241	14839	3	
PU 242 239 2118	113.450	0.9331	162.43648	18.71	236.42	16401	14875	3	
PU 242 239 2118	113.950	0.9404	161.01410	16.60	210.63	16299	14898	3	
PU 242 239 2118	114.450	0.9513	159.61032	13.48	170.28	16340	15109	3	
PU 242 239 2118	114.950	0.9463	158.22482	14.69	187.31	16228	14927	3	
PU 242 239 2118	115.450	0.9430	156.85728	15.85	198.49	16358	14994	3	
PU 242 239 2118	115.950	0.9260	155.50740	20.75	258.79	16383	14746	3	
PU 242 239 2118	116.450	0.9279	154.17486	20.20	250.77	16226	14636	3	
PU 242 239 2118	116.950	0.8849	152.85938	33.02	408.27	16606	14283	3	
PU 242 239 2118	117.450	0.8705	151.56067	37.44	460.95	16050	13581	3	
PU 242 239 2118	117.950	0.8454	150.27844	45.35	555.92	16012	13158	3	
PU 242 239 2118	118.450	0.8315	149.01241	49.83	608.23	16280	13158	3	
PU 242 239 2118	118.950	0.8637	147.76231	39.56	480.87	16157	13564	3	
PU 242 239 2118	119.450	0.9243	146.52787	21.27	257.45	16021	14393	3	
PU 242 239 2118	119.950	0.9377	145.30685	17.38	209.45	15936	14525	3	
PU 242 239 2118	120.450	0.9642	144.10497	9.63	118.02	15648	14666	3	
PU 242 239 2118	120.950	0.9485	142.91599	14.28	170.65	15823	14588	3	
PU 242 239 2118	121.450	0.9495	141.74166	13.99	166.51	15472	14280	3	
PU 242 239 2118	121.950	0.9521	140.58175	13.26	157.25	15367	14221	3	
PU 242 239 2118	122.450	0.9500	139.43602	13.84	163.41	15418	14237	3	
PU 242 239 2118	122.950	0.9509	138.30424	13.58	159.70	15064	13925	3	
PU 242 239 2118	123.450	0.9557	137.18618	12.23	143.22	14927	13867	3	
PU 242 239 2118	123.950	0.9601	136.08163	11.04	128.34	14579	13605	3	
PU 242 239 2118	124.450	0.9252	134.99036	21.00	243.94	14604	13133	3	
PU 242 239 2118	124.950	0.9361	133.91217	17.82	206.25	14186	12908	3	
PU 242 239 2118	125.450	0.8886	132.84684	31.89	367.56	14439	12471	3	
PU 242 239 2118	125.950	0.8456	131.79417	45.27	519.76	14278	11736	3	
PU 242 239 2118	126.450	0.8534	130.75397	42.82	489.60	14351	11904	3	
PU 242 239 2118	126.950	0.8792	129.72604	34.76	395.89	14581	12461	3	
PU 242 239 2118	127.450	0.9033	128.71017	27.47	311.65	14884	13068	3	
PU 242 239 2118	127.950	0.9575	127.70620	11.72	132.44	14738	13717	3	
PU 242 239 2118	128.450	0.9350	126.71392	18.13	204.11	15284	13891	3	
PU 242 239 2118	128.950	0.9498	125.73317	13.90	155.87	15258	14087	3	
PU 242 239 2118	129.450	0.9364	124.76376	17.75	196.22	15443	14056	3	
PU 242 239 2118	129.950	0.9453	123.80551	15.18	166.89	15487	14230	3	
PU 242 239 2118	130.450	0.9530	122.85827	13.01	144.16	15492	14350	3	
PU 242 239 2118	130.950	0.9388	121.92185	17.05	186.27	15867	14479	3	

IDENTIFICATION	DELAY	TRANS.	ENERGY	X*SEC	X*SEC ROOT E	COUNTS		NO.	PTS AVE,
						OPEN	SAMPLE		
PU 242 239 2118	131,450	0,9553	120,99610	12,34	135,73	15764	14638	3	
PU 242 239 2118	131,950	0,9567	120,08086	11,96	131,09	15721	14619	3	
PU 242 239 2118	132,450	0,9471	119,17595	14,67	160,17	15797	14543	3	
PU 242 239 2118	132,950	0,9335	118,28124	18,58	202,06	15943	14466	3	
PU 242 239 2118	133,450	0,9190	117,39657	22,81	247,12	16234	14501	3	
PU 242 239 2118	133,950	0,9372	116,52178	17,51	189,05	16079	14647	3	
PU 242 239 2118	134,450	0,9551	115,65674	12,40	133,40	15780	14649	3	
PU 242 239 2118	134,950	0,9493	114,80129	14,04	150,40	16007	14770	3	
PU 242 239 2118	135,450	0,9321	113,95530	18,98	202,63	15932	14435	3	
PU 242 239 2118	135,950	0,9360	113,11863	17,85	189,88	15919	14483	3	
PU 242 239 2118	136,450	0,9269	112,29114	20,49	217,08	16008	14423	3	
PU 242 239 2118	136,950	0,9348	111,47269	18,20	192,15	15710	14275	3	
PU 242 239 2118	137,450	0,9337	110,66316	18,54	194,98	15722	14268	3	
PU 242 239 2118	137,950	0,8991	109,86242	28,73	301,11	15589	13623	3	
PU 242 239 2118	138,450	0,8492	109,07033	44,12	460,77	15873	13103	3	
PU 242 239 2118	138,950	0,7740	108,28678	69,17	719,76	15731	11835	3	
PU 242 239 2118	139,450	0,7468	107,51165	78,83	817,41	15613	11333	3	
PU 242 239 2118	139,950	0,7653	106,74481	72,21	746,09	15605	11609	3	
PU 242 239 2118	140,450	0,8515	105,98614	43,41	446,93	15499	12827	3	
PU 242 239 2118	140,950	0,8977	105,23553	29,14	298,88	15721	13718	3	
PU 242 239 2118	141,450	0,9237	104,49287	21,43	219,05	15776	14164	3	
PU 242 239 2118	141,950	0,9325	103,75804	18,88	192,07	15912	14423	3	
PU 242 239 2118	142,450	0,9477	103,03094	14,49	147,08	15639	14407	3	
PU 242 239 2118	142,950	0,9444	102,31145	15,44	156,19	15702	14414	3	
PU 242 239 2118	143,450	0,9583	101,59947	11,49	115,81	15651	14579	3	
PU 242 239 2118	143,950	0,9511	100,89490	13,53	135,88	15725	14538	3	
PU 242 239 2118	144,450	0,9578	100,19763	11,85	118,66	15710	14629	3	
PU 242 239 2118	144,950	0,9574	99,50757	11,76	117,34	15655	14568	3	
PU 242 239 2118	145,450	0,9667	98,82461	9,16	91,04	15510	14573	3	
PU 242 239 2118	145,950	0,9527	98,14866	13,08	129,58	15565	14414	3	
PU 242 239 2118	146,450	0,9507	97,47962	13,66	134,86	15702	14509	3	
PU 242 239 2118	146,950	0,9412	96,81739	16,35	160,91	15571	14246	3	
PU 242 239 2118	147,450	0,9403	96,16189	16,62	163,00	15528	14192	3	
PU 242 239 2118	147,950	0,9760	95,51303	6,56	64,14	15431	14638	3	
PU 242 239 2118	148,450	0,9563	94,87071	12,06	117,44	15347	14265	3	
PU 242 239 2118	148,950	0,9360	94,23485	17,87	173,43	15746	14325	3	
PU 242 239 2118	149,450	0,9327	93,60536	18,80	181,88	15718	14250	3	
PU 242 239 2118	149,950	0,9573	92,98216	11,78	113,56	15514	14436	3	
PU 242 239 2118	150,450	0,9520	92,36516	13,28	127,60	15480	14325	3	
PU 242 239 2118	150,950	0,9398	91,75428	16,76	160,54	15643	14290	3	
PU 242 239 2118	151,450	0,9540	91,14944	12,71	121,34	15579	14446	3	
PU 242 239 2118	151,950	0,9692	90,55056	8,46	80,48	15444	14454	3	
PU 242 239 2118	152,450	0,9331	89,95757	18,71	177,42	15889	14411	3	
PU 242 239 2118	152,950	0,9324	89,37038	18,89	178,58	15615	14152	3	
PU 242 239 2118	153,450	0,9104	88,78892	25,33	238,70	15786	13969	3	
PU 242 239 2118	153,950	0,9241	88,21312	21,32	200,23	15751	14147	3	
PU 242 239 2118	154,450	0,9290	87,64290	19,89	186,17	15807	14273	3	
PU 242 239 2118	154,950	0,9458	87,07819	15,05	140,41	15694	14428	3	
PU 242 239 2118	155,450	0,9354	86,51892	18,04	167,77	15887	14444	3	
PU 242 239 2118	155,950	0,9539	85,96503	12,73	118,03	15890	14734	3	
PU 242 239 2118	156,450	0,9442	85,41643	15,51	143,39	15598	14314	3	
PU 242 239 2118	156,950	0,9533	84,87307	12,91	118,94	15604	14458	3	
PU 242 239 2118	157,450	0,9520	84,33480	10,27	121,87	15635	14468	3	
PU 242 239 2118	157,950	0,9595	83,80179	11,17	102,25	15507	14462	3	
PU 242 239 2118	158,450	0,9442	83,27374	15,49	141,37	15574	14294	3	
PU 242 239 2118	158,950	0,9473	82,75066	14,62	132,98	15463	14238	3	
PU 242 239 2118	159,450	0,9511	82,23250	13,55	122,85	15320	14162	3	
PU 242 239 2118	159,950	0,9642	81,71919	9,85	89,06	15346	14381	3	
PU 242 239 2118	160,450	0,9704	81,21067	8,11	73,11	15170	14308	3	
PU 242 239 2118	160,950	0,9426	80,70689	15,97	143,44	15252	13973	3	
PU 242 239 2118	161,450	0,9436	80,20777	15,68	140,40	15304	14036	3	
PU 242 239 2118	161,950	0,9553	79,71327	12,34	110,15	15265	14175	3	
PU 242 239 2118	162,450	0,9287	79,22334	19,96	177,69	15324	13833	3	
PU 242 239 2118	162,950	0,9347	78,73790	18,22	161,69	15512	14093	3	
PU 242 239 2118	163,450	0,9418	78,25691	16,18	143,10	15167	13885	3	
PU 242 239 2118	163,950	0,9465	77,78032	14,85	130,94	15179	13964	3	
PU 242 239 2118	164,450	0,9430	77,30806	15,84	139,24	15156	13892	3	
PU 242 239 2118	164,950	0,9299	76,84010	19,63	172,05	15263	13795	3	
PU 242 239 2118	165,450	0,9174	76,37637	23,27	203,38	15584	13896	3	
PU 242 239 2118	165,950	0,9371	75,91683	17,54	152,79	15507	14125	3	
PU 242 239 2118	166,450	0,9286	75,46142	20,01	173,79	15360	13864	3	
PU 242 239 2118	166,950	0,9427	75,01009	15,92	137,89	15321	14039	3	
PU 242 239 2118	167,450	0,9520	74,56281	13,27	114,59	15070	13945	3	
PU 242 239 2118	167,950	0,9323	74,11951	18,94	163,03	15327	13888	3	
PU 242 239 2118	168,450	0,9242	73,68015	21,27	182,58	15374	13811	3	
PU 242 239 2118	168,950	0,9345	73,24469	18,29	156,54	15198	13805	3	
PU 242 239 2118	169,450	0,9526	72,81308	13,12	111,97	15078	13960	3	
PU 242 239 2118	169,950	0,9532	72,38527	12,93	110,05	15179	14064	3	
PU 242 239 2118	170,450	0,9344	71,96122	18,31	155,31	15157	13766	3	
PU 242 239 2118	170,950	0,9370	71,54089	17,57	148,65	15229	13869	3	

IDENTIFICATION	DELAY	TRANS.	ENERGY	X-SEC	X-SEC	COUNTS	NO. PTS
					ROOT E	OPEN SAMPLE AVE	
PU 242 239 2118	171,450	0,9432	71,12423	15,80	133,21	15029	13778
PU 242 239 2118	171,950	0,9501	70,71120	13,83	116,30	14924	13782
PU 242 239 2118	172,450	0,9409	70,30175	16,45	137,90	15108	13817
PU 242 239 2118	172,950	0,9380	69,89585	17,27	144,40	15024	13698
PU 242 239 2118	173,450	0,9353	69,49346	18,06	150,57	14806	13460
PU 242 239 2118	173,950	0,9031	69,09453	27,52	228,79	14983	13151
PU 242 239 2118	174,450	0,8562	68,69903	41,91	347,35	15094	12561
PU 242 239 2118	174,950	0,7972	68,30691	61,20	505,84	14849	11505
PU 242 239 2118	175,450	0,7097	67,91814	92,57	762,89	15155	10454
PU 242 239 2118	175,950	0,6880	67,53268	100,99	829,88	15062	10071
PU 242 239 2118	176,450	0,7361	67,15050	82,74	677,99	15177	10858
PU 242 239 2118	176,950	0,8264	66,77154	51,48	420,64	15181	12194
PU 242 239 2118	177,450	0,8888	66,39579	31,83	259,38	15229	13156
PU 242 239 2118	177,950	0,9331	66,02320	18,69	151,83	14829	13449
PU 242 239 2118	178,450	0,9334	65,65374	18,60	150,71	14961	13573
PU 242 239 2118	178,950	0,9418	65,28737	16,18	130,74	15003	13734
PU 242 239 2118	179,450	0,9321	64,92405	18,98	152,96	14989	13580
PU 242 239 2118	179,950	0,9398	64,56377	16,77	134,76	14899	13609
PU 242 239 2118	180,450	0,9530	64,20647	13,01	104,23	14716	13631
PU 242 239 2118	180,950	0,9090	63,85213	25,78	205,97	15114	13353
PU 242 239 2118	181,450	0,9402	63,50071	16,64	132,59	14831	13554
PU 242 239 2118	181,950	0,9279	63,15219	20,21	160,61	14872	13412
PU 242 239 2118	182,450	0,9260	62,80653	20,77	164,60	15018	13516
PU 242 239 2118	182,950	0,9267	62,46370	20,56	162,46	14924	13442
PU 242 239 2118	183,450	0,9402	62,12367	16,65	131,20	14696	13430
PU 242 239 2118	183,950	0,9439	61,78641	15,58	122,48	14674	13463
PU 242 239 2118	184,450	0,9267	61,45189	20,57	161,21	14773	13306
PU 242 239 2118	184,950	0,9187	61,12008	22,90	179,02	15194	13567
PU 242 239 2118	185,450	0,9414	60,79094	16,30	127,05	14804	13546
PU 242 239 2118	185,950	0,9306	60,46446	19,41	150,97	14810	13397
PU 242 239 2118	186,450	0,9256	60,14060	20,89	161,99	14808	13321
PU 242 239 2118	186,950	0,8954	59,81934	29,84	230,79	15188	13218
PU 242 239 2118	187,450	0,9252	59,50064	20,98	161,81	14780	13292
PU 242 239 2118	187,950	0,9376	59,18449	17,39	133,77	14537	13249
PU 242 239 2118	188,450	0,9042	58,87085	27,18	208,55	14868	13067
PU 242 239 2118	188,950	0,9075	58,55969	26,22	200,63	14847	13095
PU 242 239 2118	189,450	0,9293	58,25099	19,79	151,01	14565	13156
PU 242 239 2118	189,950	0,9149	57,94473	24,00	182,69	14585	12971
PU 242 239 2118	190,450	0,8901	57,64088	31,44	238,69	15069	13036
PU 242 239 2118	190,950	0,9007	57,33941	28,24	213,87	14797	12954
PU 242 239 2118	191,450	0,8893	57,04030	31,68	239,24	14817	12807
PU 242 239 2118	191,950	0,8942	56,74353	30,20	227,50	14730	12802
PU 242 239 2118	192,450	0,8756	56,44906	35,88	269,57	14710	12519
PU 242 239 2118	192,950	0,8851	56,15688	32,95	246,91	14547	12515
PU 242 239 2118	193,450	0,8525	55,86697	43,10	322,14	14774	12241
PU 242 239 2118	193,950	0,8440	55,57929	45,79	341,41	14520	11911
PU 242 239 2118	194,450	0,8272	55,29383	51,21	380,78	14426	11599
PU 242 237 2098	195,917	0,9151	54,46905	337,24	2488,96	14124	12916
PU 242 237 2098	196,417	0,8669	54,19209	542,97	3997,10	13910	12049
PU 242 237 2098	196,917	0,7278	53,91723	1207,50	8866,45	14088	10246
PU 242 237 2098	197,417	0,6227	53,64447	1799,80	13182,14	14274	8883
PU 242 237 2098	197,917	0,6370	53,37376	1713,78	12520,42	14288	9095
PU 242 237 2098	198,417	0,7439	53,10510	1124,40	8193,87	13944	10369
PU 242 237 2098	198,917	0,8572	52,83847	585,44	4255,60	14036	12023
PU 242 237 2098	199,417	0,9163	52,57383	332,36	2409,87	13972	12793
PU 242 239 2118	200,450	0,8942	52,03319	30,19	217,80	14602	12691
PU 242 239 2118	200,950	0,9495	51,77457	13,99	100,64	14347	13241
PU 242 239 2118	201,450	0,9444	51,51788	15,45	110,89	14331	13155
PU 242 239 2118	201,950	0,9535	51,26310	12,86	92,05	14575	13507
PU 242 239 2118	202,450	0,9483	51,01020	14,33	102,32	14503	13368
PU 242 239 2118	202,950	0,9753	50,75916	6,74	48,05	14434	13683
PU 242 239 2118	203,450	0,9590	50,50998	11,31	80,39	14628	13634
PU 242 239 2118	203,950	0,9467	50,26262	14,78	104,79	14674	13502
PU 242 239 2118	204,450	0,9585	50,01708	11,44	80,88	14598	13600
PU 242 239 2118	204,950	0,9643	49,77333	9,81	69,24	14490	13581
PU 242 239 2118	205,450	0,9735	49,53136	7,26	51,06	14506	13726
PU 242 239 2118	205,950	0,9553	49,29115	12,35	86,74	14470	13435
PU 242 239 2118	206,450	0,9800	49,05268	5,46	38,23	14242	13565
PU 242 239 2118	206,950	0,9527	48,81594	13,07	91,32	14305	13247
PU 242 239 2118	207,450	0,9738	48,58091	7,16	49,87	14330	13563
PU 242 239 2118	207,950	0,9821	48,34758	4,88	33,94	14051	13413
PU 242 239 2118	208,450	0,9835	48,00071	4,50	31,17	28337	27087
PU 242 239 2118	208,950	0,9702	47,65756	8,16	56,31	14140	13335
PU 242 239 2118	209,450	0,9473	47,43084	14,63	100,74	14395	13254
PU 242 239 2118	209,950	0,9764	47,20573	6,46	44,37	14179	13456
PU 242 239 2118	210,450	0,9757	46,98222	6,65	45,61	14223	13488
PU 242 239 2118	210,950	0,9508	46,76029	13,62	93,17	14273	13190

IDENTIFICATION	DELAY	TRANS.	ENERGY	X-SEC	X-SEC	COUNTS	NO. PTS
					ROOT E	OPEN SAMPLE	AVE.
PU 242 239 2118	211.950	0.9776	46.53993	6.12	41.74	14052	13352 3
PU 242 239 2118	212.450	0.9854	46.32112	3.97	27.00	14115	13519 3
PU 242 239 2118	212.950	0.9801	46.10386	5.44	36.90	14010	13346 3
PU 242 239 2118	213.450	0.9799	45.88812	5.49	37.19	14090	13420 3
PU 242 239 2118	213.950	0.9611	45.67389	10.72	72.42	14193	13258 3
PU 242 239 2118	214.450	0.9515	45.46115	13.42	90.48	14200	13132 3
PU 242 239 2118	214.950	0.9663	45.24990	9.26	62.28	14092	13239 3
PU 242 239 2118	215.450	0.9723	45.04012	7.57	50.83	14006	13236 3
PU 242 239 2118	215.950	0.9684	44.83180	8.68	58.10	14240	13403 3
PU 242 239 2118	216.450	0.9647	44.62491	9.70	64.78	14114	13234 3
PU 242 239 2118	216.950	0.9563	44.41946	12.07	80.41	14075	13083 3
PU 242 239 2118	217.450	0.9518	44.21542	13.34	88.68	14253	13186 3
PU 242 239 2118	217.950	0.9439	44.01278	15.59	103.44	14311	13129 3
PU 242 239 2118	218.450	0.9694	43.81153	8.40	55.59	14080	13266 3
PU 242 239 2118	218.950	0.9492	43.61166	14.08	92.98	14054	12966 3
PU 242 239 2118	219.450	0.9580	43.41316	11.57	76.26	14116	13145 3
PU 242 239 2118	219.950	0.9372	43.21601	17.52	115.18	14277	13005 3
PU 242 239 2118	220.450	0.9497	43.02019	13.92	91.32	13963	12890 3
PU 242 239 2118	220.950	0.9626	42.82571	10.29	67.37	14103	13195 3
PU 242 239 2118	221.450	0.9510	42.63254	13.57	88.59	14179	13106 3
PU 242 239 2118	221.950	0.9316	42.44067	19.14	124.69	14034	12707 3
PU 242 239 2118	222.450	0.9524	42.25010	13.17	85.60	14308	13244 3
PU 242 239 2118	222.950	0.9540	42.06081	12.72	82.48	14015	12809 3
PU 242 239 2118	223.450	0.9403	41.87278	16.63	107.61	13994	12789 3
PU 242 239 2118	223.950	0.9315	41.68602	19.16	123.70	13990	12666 3
PU 242 239 2118	224.450	0.9269	41.50050	20.49	131.99	13892	12515 3
PU 242 239 2118	224.950	0.8734	41.31622	36.55	234.91	13842	11751 3
PU 242 239 2118	225.450	0.8316	41.13316	49.80	319.42	13809	11161 3
PU 242 239 2118	225.950	0.8053	40.95132	58.14	372.04	13863	10864 3
PU 242 239 2118	226.450	0.8292	40.77068	50.56	322.85	14010	11292 3
PU 242 239 2118	226.950	0.8773	40.59123	35.34	225.18	13858	11817 3
PU 242 239 2118	227.450	0.9009	40.41296	28.16	179.04	14084	12333 3
PU 242 239 2118	227.950	0.9495	40.23587	13.99	88.74	13788	12724 3
PU 242 239 2118	228.450	0.9423	40.05993	16.06	101.62	14006	12827 3
PU 242 239 2118	228.950	0.9457	39.88515	15.06	95.12	13789	12675 3
PU 242 239 2118	229.450	0.9464	39.71151	14.88	93.75	13887	12774 3
PU 242 239 2118	229.950	0.9599	39.53900	11.05	69.51	13887	12956 3
PU 242 239 2118	230.450	0.9487	39.36762	14.22	89.24	13780	12707 3
PU 242 239 2118	230.950	0.9575	39.19734	11.74	73.49	13758	12804 3
PU 242 239 2118	231.450	0.9774	39.02817	6.16	38.51	13910	12930 3
PU 242 239 2118	231.950	0.9752	38.86009	6.78	42.26	13708	12993 3
PU 242 239 2118	232.450	0.9359	38.69309	17.88	111.23	13975	12713 3
PU 242 239 2118	232.950	0.9478	38.52717	14.47	89.84	13759	12675 3
PU 242 239 2118	233.450	0.9551	38.36231	12.40	76.83	13669	12689 3
PU 242 239 2118	233.950	0.9523	38.19851	13.19	81.54	13844	12814 3
PU 242 239 2118	234.450	0.9583	38.03576	11.49	70.86	13598	12666 3
PU 242 239 2118	234.950	0.9637	37.87404	9.98	61.39	13715	12847 3
PU 242 239 2118	235.450	0.9676	37.71335	8.89	54.59	13598	12789 3
PU 242 239 2118	235.950	0.9255	37.55369	20.90	128.07	13981	12576 3
PU 242 239 2118	236.450	0.9524	37.39503	13.16	80.48	13750	12728 3
PU 242 239 2118	236.950	0.9715	37.23738	7.81	47.63	13478	12726 3
PU 242 239 2118	237.450	0.9509	37.08072	13.58	82.70	13719	12680 3
PU 242 239 2118	237.950	0.9573	36.92505	11.78	71.50	13877	12600 3
PU 242 239 2118	238.450	0.9680	36.77036	8.77	53.20	13546	12745 3
PU 242 239 2118	238.950	0.9400	36.61664	16.70	101.04	13826	12632 3
PU 242 239 2118	239.450	0.9410	36.46388	16.43	99.23	13631	12466 3
PU 242 239 2118	239.950	0.9321	36.31207	18.97	114.34	13837	12536 3
PU 242 239 2118	240.450	0.9792	36.16121	5.68	34.14	13383	12737 3
PU 242 239 2118	240.950	0.9590	36.01129	11.30	67.82	13615	12690 3
PU 242 239 2118	241.450	0.9738	35.86230	7.16	42.86	13482	12761 3
PU 242 239 2118	241.950	0.9649	35.71423	9.65	57.68	13555	12712 3
PU 242 239 2118	242.450	0.9651	35.56708	9.59	57.21	13533	12694 3
PU 242 239 2118	242.950	0.9639	35.42083	9.92	59.05	13497	12645 3
PU 242 239 2118	243.450	0.9582	35.27549	11.52	68.44	13459	12535 3
PU 242 239 2118	243.950	0.9306	35.13103	19.41	115.03	13923	12594 3
PU 242 239 2118	244.450	0.9684	34.98746	0.66	51.23	13262	12483 3
PU 242 239 2118	244.950	0.9548	34.84478	12.49	73.72	13476	12506 3
PU 242 239 2118	245.450	0.9686	34.70296	8.61	50.74	13511	12720 3
PU 242 239 2118	245.950	0.9747	34.56200	6.91	40.63	13396	12691 3
PU 242 239 2118	246.450	0.9730	34.42191	7.40	43.44	13388	12660 3
PU 242 239 2118	246.950	0.9439	34.28266	15.58	91.20	13410	12303 3
PU 242 239 2118	247.450	0.9515	34.14425	13.42	78.42	13494	12480 3
PU 242 239 2118	247.950	0.9408	34.00669	16.47	96.06	13364	12220 3
PU 242 239 2118	248.450	0.9788	33.86995	5.79	33.72	13279	12632 3
PU 242 239 2118	248.950	0.9563	33.73404	12.06	70.03	13461	12512 3
PU 242 239 2118	249.450	0.9581	33.59894	11.55	66.93	13364	12446 3
PU 242 239 2118	249.950	0.9508	33.46465	13.63	78.87	13349	12335 3
PU 242 239 2118	250.450	0.9574	33.33116	11.77	67.94	13370	12441 3
PU 242 239 2118	250.950	0.9305	33.19848	19.44	111.98	13454	12168 3
PU 242 239 2118	251.450	0.9646	33.06658	9.74	56.02	13455	12614 3

IDENTIFICATION	DELAY	TRANS.	ENERGY	X=SEC	X=SEC ROOT E	COUNTS OPEN	NO. PTS SAMPLE AVE.
PU 242 239 2118	251,950	0,9348	32,93547	18,21	104,53	13443	12214 3
PU 242 239 2118	252,450	0,9557	32,80513	12,24	70,13	13277	12333 3
PU 242 239 2118	252,950	0,9682	32,67557	8,73	49,89	13044	12275 3
PU 242 239 2118	253,450	0,9354	32,54677	18,03	102,88	13423	12203 3
PU 242 239 2118	253,950	0,9803	32,41874	5,37	30,59	13113	12494 3
PU 242 239 2118	254,450	0,9629	32,29146	10,22	58,07	13303	12450 3
PU 242 239 2118	254,950	0,9414	32,16492	16,32	92,54	13373	12235 3
PU 242 239 2118	255,450	0,9524	32,03913	13,16	74,47	13326	12336 3
PU 242 239 2118	255,950	0,9441	31,91408	15,54	87,79	13366	12264 3
PU 242 239 2118	256,450	0,9490	31,78975	14,14	79,73	13332	12297 3
PU 242 239 2118	256,950	0,9625	31,66615	10,33	58,12	13155	12306 3
PU 242 239 2118	257,450	0,9556	31,54327	12,27	68,90	13256	12312 3
PU 242 239 2118	257,950	0,9411	31,42111	16,39	91,85	13406	12262 3
PU 242 239 2118	258,450	0,9493	31,29965	14,06	78,67	13199	12178 3
PU 242 239 2118	258,950	0,9513	31,17890	13,48	75,27	13466	12450 3
PU 242 239 2118	259,450	0,9519	31,05884	13,30	74,10	13191	12205 3
PU 242 239 2118	259,950	0,9552	30,93947	12,39	68,89	13045	12111 3
PU 242 239 2118	260,450	0,9768	30,82080	6,35	35,23	13154	12488 3
PU 242 239 2118	260,950	0,9399	30,70280	16,74	92,78	13360	12204 3
PU 242 239 2118	261,450	0,9426	30,58548	15,95	88,24	13113	12014 3
PU 242 239 2118	261,950	0,9547	30,46883	12,52	69,09	13282	12325 3
PU 242 239 2118	262,450	0,9436	30,35285	15,68	86,38	13109	12023 3
PU 242 239 2118	262,950	0,9390	30,23752	17,00	93,49	13294	12132 3
PU 242 239 2118	263,450	0,9539	30,12286	12,73	69,88	13091	12137 3
PU 242 239 2118	263,950	0,9541	30,00884	12,68	69,47	13226	12265 3
PU 242 239 2118	264,450	0,9205	29,89547	22,38	122,35	13396	11985 3
PU 242 239 2118	264,950	0,9481	29,78274	14,39	78,51	13070	12044 3
PU 242 239 2118	265,450	0,9642	29,67065	9,84	53,62	12956	12142 3
PU 242 239 2118	265,950	0,9523	29,55919	13,20	71,77	13092	12116 3
PU 242 239 2118	266,450	0,9481	29,44836	14,38	78,05	13004	11983 3
PU 242 239 2118	266,950	0,9509	29,33815	13,58	73,58	13040	12052 3
PU 242 239 2118	267,450	0,9517	29,22856	13,36	72,24	13175	12187 3
PU 242 239 2118	267,950	0,9478	29,11958	14,47	78,08	13030	12003 3
PU 242 239 2118	268,450	0,9338	29,01120	18,49	99,60	12863	11675 3
PU 242 239 2118	268,950	0,9337	28,90344	18,52	99,54	13162	11945 3
PU 242 239 2118	269,450	0,9699	28,79627	8,24	44,24	12845	12109 3
PU 242 239 2118	269,950	0,9553	28,68969	12,34	66,12	12784	11870 3
PU 242 239 2118	270,450	0,9582	28,58371	11,54	61,69	12938	12049 3
PU 242 239 2118	270,950	0,9559	28,47831	12,19	65,06	12734	11831 3
PU 242 239 2118	271,450	0,9524	28,37350	13,16	70,09	12896	11938 3
PU 242 239 2118	271,950	0,9417	28,26926	16,21	86,20	13127	12015 3
PU 242 239 2118	272,450	0,9552	28,16560	12,38	65,68	12860	11939 3
PU 242 239 2118	272,950	0,9845	28,06250	4,22	22,35	12598	12055 3
PU 242 239 2118	273,450	0,9609	27,95997	10,76	56,90	12659	11823 3
PU 242 239 2118	273,950	0,9392	27,85800	16,92	89,32	12945	11817 3
PU 242 239 2118	274,450	0,9661	27,75659	9,30	48,99	12621	11851 3
PU 242 239 2118	274,950	0,9387	27,65573	17,07	89,76	12886	11757 3
PU 242 239 2118	275,450	0,9280	27,55542	20,18	105,94	12900	11635 3
PU 242 239 2118	275,950	0,9528	27,45565	13,07	68,47	12731	11789 3
PU 242 239 2118	276,450	0,9562	27,35643	12,08	63,20	12717	11819 3
PU 242 239 2118	276,950	0,9510	27,25774	13,57	70,84	12558	11607 3
PU 242 239 2118	277,450	0,9243	27,15958	21,25	110,74	12788	11488 3
PU 242 239 2118	277,950	0,9535	27,06196	12,85	66,87	12565	11644 3
PU 242 239 2118	278,450	0,9649	26,96486	9,66	50,15	12537	11757 3
PU 242 239 2118	278,950	0,9529	26,86828	13,03	67,52	12628	11695 3
PU 242 239 2118	279,450	0,9594	26,77222	11,18	57,87	12789	11925 3
PU 242 239 2118	279,950	0,9404	26,67667	16,60	85,72	12710	11617 3
PU 242 239 2118	280,450	0,9517	26,58163	13,35	68,84	12693	11742 3
PU 242 239 2118	280,950	0,9462	26,48710	14,94	76,91	12772	11745 3
PU 242 239 2118	281,450	0,9503	26,39308	13,76	70,67	12686	11718 3
PU 242 239 2118	281,950	0,9411	26,29955	16,39	84,04	12893	11793 3
PU 242 239 2118	282,450	0,9603	26,20652	10,94	56,00	12535	11699 3
PU 242 239 2118	282,950	0,9524	26,11399	13,17	67,31	12816	11863 3
PU 242 239 2118	283,450	0,9351	26,02194	18,12	92,41	12884	11528 3
PU 242 239 2118	283,950	0,9558	25,93038	12,21	62,15	12547	11656 3
PU 242 239 2118	284,450	0,9576	25,83930	11,71	59,53	12595	11536 3
PU 242 239 2118	284,950	0,9410	25,74870	16,42	83,31	12654	11573 3
PU 242 239 2118	285,450	0,9524	25,65857	13,17	66,70	12502	11573 3
PU 242 239 2118	285,950	0,9587	25,56892	11,38	57,57	12457	11607 3
PU 242 239 2118	286,700	0,9610	25,43532	10,73	54,10	24855	23216 6
PU 242 239 2118	287,450	0,9437	25,30276	15,64	78,65	12557	11517 3
PU 242 239 2118	287,950	0,9502	25,21497	13,78	64,21	12567	11606 3
PU 242 239 2118	288,450	0,9336	25,12763	18,56	93,05	12671	11497 3
PU 242 239 2118	288,950	0,9553	25,04074	12,36	61,84	12524	11628 3
PU 242 239 2118	289,450	0,9519	24,95430	13,30	66,45	12692	11465 3
PU 242 239 2118	289,950	0,9459	24,86831	15,02	74,90	12479	11473 3
PU 242 239 2118	290,450	0,9619	24,78277	10,49	52,21	12556	11739 3
PU 242 239 2118	290,950	0,9336	24,69766	18,55	92,21	12543	11381 3
PU 242 239 2118	291,450	0,9544	24,61299	12,61	62,54	12531	11624 3
PU 242 239 2118	291,950	0,9401	24,52876	16,67	82,55	12554	11471 3

IDENTIFICATION	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN	COUNTS SAMPLE	NO. PTS AVE.
PU 242 239 2118	292,450	0,9418	24,44496	16,18	79,98	12525	11465	3
PU 242 239 2118	292,950	0,9501	24,36159	13,81	68,18	12506	11548	3
PU 242 239 2118	293,450	0,9487	24,27864	14,22	70,07	12539	11562	3
PU 242 239 2118	293,950	0,9180	24,19611	23,10	113,61	12468	11125	3
PU 242 239 2118	294,450	0,9574	24,11401	11,75	57,72	12390	11529	3
PU 242 239 2118	294,950	0,9551	24,03232	12,39	60,75	12516	11619	3
PU 242 239 2118	295,450	0,9631	23,95105	10,16	49,73	12179	11400	3
PU 242 239 2118	296,200	0,9585	23,82991	11,45	55,90	12451	12871	6
PU 242 239 2118	296,950	0,9581	23,70969	11,55	56,22	12241	11400	3
PU 242 239 2118	297,450	0,9651	23,63005	9,60	46,65	12193	11437	3
PU 242 239 2118	297,950	0,9394	23,55081	16,87	81,89	12423	11343	3
PU 242 239 2118	298,450	0,9403	23,47196	16,63	80,58	12224	11171	3
PU 242 239 2118	298,950	0,9605	23,39351	10,89	52,66	12173	11363	3
PU 242 239 2118	299,450	0,9536	23,31546	12,82	61,91	12076	11192	3
PU 242 239 2118	299,950	0,9306	23,23779	19,41	93,58	12171	11009	3
PU 242 239 2118	300,450	0,9529	23,16051	13,03	62,72	12305	11396	3
PU 242 239 2118	300,950	0,9494	23,08362	14,01	67,31	12176	11236	3
PU 242 239 2118	301,450	0,8822	23,00711	33,84	162,29	12454	10678	3
PU 242 239 2118	301,950	0,8981	22,93097	29,01	138,94	12477	10891	3
PU 242 239 2118	302,450	0,8560	22,85522	41,98	200,71	12271	10209	3
PU 242 239 2118	302,950	0,8145	22,77984	55,40	264,44	12231	9682	3
PU 242 239 2118	303,450	0,7098	22,70483	92,54	440,96	12199	8416	3
PU 242 239 2118	303,950	0,6428	22,63049	119,34	567,60	12110	7800	3
PU 242 239 2118	304,450	0,6289	22,55592	125,22	594,69	12167	7410	3
PU 242 239 2118	304,950	0,7030	22,48202	95,16	451,18	12012	8206	3
PU 242 239 2118	305,450	0,7831	22,40847	66,00	312,45	12261	9331	3
PU 242 239 2118	305,950	0,8455	22,33529	45,31	214,11	12165	9994	3
PU 242 239 2118	306,450	0,9081	22,26247	26,04	122,85	12200	10764	3
PU 242 239 2118	306,950	0,9090	22,19000	25,75	121,31	12061	10653	3
PU 242 239 2118	307,450	0,9486	22,11788	14,23	66,94	11925	10992	3
PU 242 239 2118	307,950	0,9310	22,04612	19,30	90,63	12196	11033	3
PU 242 239 2118	308,450	0,9639	21,97470	9,93	46,55	11892	11139	3
PU 242 239 2118	309,200	0,9656	21,86823	9,47	44,26	13882	22410	6
PU 242 239 2118	310,200	0,9522	21,72746	13,24	61,69	24114	22315	6
PU 242 239 2118	311,200	0,9521	21,58805	13,25	61,56	24018	22226	6
PU 242 239 2118	312,200	0,9488	21,44997	14,20	65,77	23867	22008	6
PU 242 239 2118	313,200	0,9440	21,31322	15,56	71,82	23606	21659	6
PU 242 239 2118	314,200	0,9527	21,17777	13,09	60,23	23544	21800	6
PU 242 239 2118	315,200	0,9414	21,04361	16,30	74,76	23322	21339	6
PU 242 239 2118	316,200	0,9524	20,91071	13,17	60,23	23532	21782	6
PU 242 239 2118	317,200	0,9486	20,77907	14,24	64,91	23715	21865	6
PU 242 239 2118	318,200	0,9307	20,64068	19,38	88,06	24162	21857	6
PU 242 239 2118	319,200	0,9525	20,51950	13,13	59,48	23578	21828	6
PU 242 239 2118	320,200	0,9513	20,39153	13,48	60,86	23650	21866	6
PU 242 239 2118	321,200	0,9504	20,26476	13,72	61,78	23537	21742	6
PU 242 239 2118	322,200	0,9565	20,13917	12,01	53,89	23440	21791	6
PU 242 239 2118	323,200	0,9356	20,01474	17,99	80,47	23618	21476	6
PU 242 239 2118	324,200	0,9348	19,89145	18,20	81,16	23562	21408	6
PU 242 239 2118	325,200	0,9322	19,76931	18,96	84,31	23498	21290	6
PU 242 239 2118	326,200	0,9461	19,64828	14,95	66,26	23200	21342	6
PU 242 239 2118	327,200	0,9481	19,52007	14,40	63,65	23190	21368	6
PU 242 239 2118	328,200	0,9488	19,40955	14,19	62,52	23089	21292	6
PU 242 239 2118	329,200	0,9423	19,29181	16,04	70,46	22939	21009	6
PU 242 239 2118	330,200	0,9508	19,17513	13,63	59,67	22895	21157	6
PU 242 239 2118	331,200	0,9482	19,05952	14,36	62,69	22765	20980	6
PU 242 239 2118	332,200	0,9621	18,94494	10,42	45,35	22654	21185	6
PU 242 239 2118	333,200	0,9194	18,83140	22,69	98,47	23016	20566	6
PU 242 239 2118	334,200	0,9379	18,71887	17,32	74,94	22746	20734	6
PU 242 239 2118	335,200	0,9496	18,60735	13,96	60,20	22657	20912	6
PU 242 239 2118	336,200	0,9571	18,49682	11,83	50,88	22707	21123	6
PU 242 239 2118	337,200	0,9410	18,38728	16,43	70,44	22935	20975	6
PU 242 239 2118	338,200	0,9470	18,27870	14,70	62,84	22766	20955	6
PU 242 239 2118	339,200	0,9544	18,17109	12,61	53,77	22658	21017	6
PU 242 239 2118	340,200	0,9376	18,06442	17,40	73,94	22937	20902	6
PU 242 239 2118	341,200	0,9585	17,95868	11,44	48,47	22625	21077	6
PU 242 239 2118	342,200	0,9550	17,85388	12,42	52,49	22753	21118	6
PU 242 239 2118	343,200	0,9282	17,74999	20,11	84,73	22858	20617	6
PU 242 239 2118	344,200	0,9425	17,64700	16,00	67,20	22912	20614	6
PU 242 239 2118	345,200	0,9504	17,54490	13,73	57,51	22544	20819	6
PU 242 239 2118	346,200	0,9397	17,44369	16,81	70,19	22639	20671	6
PU 242 239 2118	347,200	0,9615	17,34336	10,61	44,17	22478	21003	6
PU 242 239 2118	348,200	0,9489	17,24388	14,17	58,85	22457	20709	6
PU 242 239 2118	349,200	0,9497	17,14526	13,93	57,67	22236	20525	6
PU 242 239 2118	350,200	0,9586	17,04748	11,42	47,14	22339	20813	6
PU 242 239 2118	351,200	0,9559	16,95054	12,18	50,13	22199	20624	6
PU 242 239 2118	352,200	0,9613	16,85442	10,67	43,80	22164	20707	6
PU 242 239 2118	353,200	0,9592	16,75912	11,24	46,03	22065	20570	6
PU 242 239 2118	354,200	0,9623	16,66462	10,37	42,32	21823	20411	6
PU 242 239 2118	355,200	0,9703	16,57092	8,13	33,09	21841	20598	6
PU 242 239 2118	356,200	0,9441	16,47801	15,52	63,01	21870	20068	6

IDENTIFICATION	DELAY	TRANS.	ENERGY	X-SEC	X-SEC	COUNTS	NO. PTS
					ROOT E	OPEN SAMPLE AVE,	
PU 242 239 2118	357,200	0,9522	16,38588	13,23	53,54	21904	20271 6
PU 242 239 2118	358,200	0,9438	16,29451	15,61	63,03	21869	20060 6
PU 242 239 2118	359,200	0,9515	16,20391	13,42	54,01	22051	20392 6
PU 242 239 2118	360,200	0,9476	16,11407	14,52	58,29	21923	20192 6
PU 242 239 2118	361,200	0,9263	16,02496	20,68	82,79	22042	19843 6
PU 242 239 2118	362,200	0,9333	15,93660	18,63	74,37	21884	19851 6
PU 242 239 2118	363,200	0,9502	15,84896	13,79	54,89	21637	19982 6
PU 242 239 2118	364,200	0,9533	15,76205	12,90	51,22	21693	20098 6
PU 242 239 2118	365,200	0,9410	15,67585	16,43	65,05	21835	19968 6
PU 242 239 2118	366,200	0,9447	15,59035	15,37	60,68	21561	19795 6
PU 242 239 2118	367,200	0,9502	15,50555	13,79	54,30	21517	19870 6
PU 242 239 2118	368,200	0,9421	15,42144	16,10	63,22	21408	19601 6
PU 242 239 2118	369,200	0,9573	15,33802	11,79	46,16	21413	19921 6
PU 242 239 2118	370,200	0,9495	15,25526	13,99	54,65	21363	19713 6
PU 242 239 2118	371,200	0,9571	15,17318	11,85	46,14	21135	19657 6
PU 242 239 2118	372,200	0,9522	15,09176	13,23	51,40	21232	19645 6
PU 242 239 2118	373,200	0,9713	15,01099	7,85	30,43	21057	19875 6
PU 242 239 2118	374,200	0,9433	14,93087	15,75	60,88	21338	19561 6
PU 242 239 2118	375,200	0,9544	14,85138	12,61	48,60	21209	19671 6
PU 242 239 2118	376,200	0,9481	14,77253	14,38	55,26	21161	19499 6
PU 242 239 2118	377,200	0,9439	14,69431	15,58	59,73	21148	19400 6
PU 242 239 2118	378,200	0,9586	14,61671	11,41	43,62	20921	19490 6
PU 242 239 2118	379,200	0,9362	14,53972	17,79	67,85	21073	19173 6
PU 242 239 2118	380,200	0,9276	14,46333	20,30	77,20	21172	19085 6
PU 242 239 2118	381,200	0,9431	14,38755	15,83	60,03	21003	19248 6
PU 242 239 2118	382,200	0,9561	14,31236	12,11	45,80	20824	19348 6
PU 242 239 2118	383,200	0,9502	14,23776	13,80	52,05	20838	19241 6
PU 242 239 2118	384,200	0,9461	14,16374	14,97	56,35	20925	19238 6
PU 242 239 2118	385,200	0,9357	14,09029	17,95	67,36	20791	18906 6
PU 242 239 2118	386,200	0,9558	14,01742	12,21	45,71	20578	19115 6
PU 242 239 2118	387,200	0,9625	13,94511	10,28	38,39	20574	19249 6
PU 242 239 2118	388,200	0,9516	13,87335	13,39	49,89	20606	19057 6
PU 242 239 2118	389,200	0,9634	13,80215	10,07	37,41	20464	19160 6
PU 242 239 2118	390,200	0,9481	13,73150	14,38	53,29	20375	18775 6
PU 242 239 2118	391,200	0,9543	13,66139	12,64	46,70	20292	18820 6
PU 242 239 2118	392,200	0,9522	13,59181	13,21	48,72	20319	18804 6
PU 242 239 2118	393,200	0,9603	13,52277	10,93	40,19	20176	18831 6
PU 242 239 2118	394,200	0,9528	13,45424	13,07	47,93	20189	18695 6
PU 242 239 2118	395,200	0,9500	13,38624	13,84	50,64	20259	18705 6
PU 242 239 2118	396,200	0,9454	13,31875	15,17	55,37	20381	18726 6
PU 242 239 2118	397,200	0,9500	13,25178	13,86	50,47	20154	18607 6
PU 242 239 2118	398,200	0,9302	13,18530	19,54	70,97	20209	18269 6
PU 242 239 2118	399,200	0,9641	13,11933	9,88	35,77	19891	18638 6
PU 242 239 2118	400,200	0,9680	13,05384	8,77	31,69	19770	18601 6
PU 242 239 2118	401,200	0,9356	12,98885	17,98	64,81	20071	18250 6
PU 242 239 2118	402,700	0,9523	12,89227	13,20	47,38	39790	36827 12
PU 242 239 2118	404,700	0,9512	12,76516	13,50	48,23	40066	37041 12
PU 242 239 2118	406,700	0,9563	12,63992	12,07	42,91	39774	36966 12
PU 242 239 2118	408,700	0,9419	12,51651	16,15	57,14	39405	36074 12
PU 242 239 2118	410,700	0,9540	12,39490	12,72	44,79	39181	36327 12
PU 242 239 2118	412,700	0,9541	12,27506	12,68	44,42	38844	36020 12
PU 242 239 2118	414,700	0,9442	12,15695	15,49	54,00	38659	35476 12
PU 242 239 2118	416,700	0,9520	12,04053	13,27	46,04	37885	35046 12
PU 242 239 2118	418,700	0,9413	11,92578	16,34	56,44	38729	35410 12
PU 242 239 2118	420,700	0,9494	11,81266	14,03	48,21	38540	35545 12
PU 242 239 2118	422,700	0,9525	11,70114	13,13	44,91	38194	35354 12
PU 242 239 2118	424,700	0,9525	11,59119	13,13	44,69	37944	35125 12
PU 242 239 2118	426,700	0,9485	11,48279	14,29	48,41	38022	35048 12
PU 242 239 2118	428,700	0,9484	11,37590	14,30	48,24	37661	34712 12
PU 242 239 2118	430,700	0,9606	11,27049	10,87	36,48	36962	34503 12
PU 242 239 2118	432,700	0,9608	11,16654	10,80	36,10	36884	34434 12
PU 242 239 2118	434,700	0,9598	11,06403	11,08	36,85	37092	34585 12
PU 242 239 2118	436,700	0,9434	10,96292	15,73	52,09	37140	34029 12
PU 242 239 2118	438,700	0,9550	10,86319	12,44	41,01	36467	33824 12
PU 242 239 2118	440,700	0,9573	10,76481	11,78	38,64	36695	34129 12
PU 242 239 2118	442,700	0,9517	10,66777	13,36	43,65	36204	33480 12
PU 242 239 2118	444,700	0,9434	10,57203	16,72	51,11	36338	33315 12
PU 242 239 2118	446,700	0,9449	10,47757	15,30	49,51	36180	33225 12
PU 242 239 2118	448,700	0,9460	10,38438	14,99	48,32	35918	33022 12
PU 242 239 2118	450,700	0,9467	10,29242	14,78	47,41	35707	32854 12
PU 242 239 2118	452,700	0,9451	10,20168	15,24	48,69	35701	32791 12
PU 242 239 2118	454,700	0,9491	10,11213	14,12	44,89	35381	32634 12
PU 242 239 2118	456,700	0,9529	10,02376	13,01	41,24	35350	32739 12
PU 242 239 2118	458,700	0,9369	9,93654	17,60	55,46	35215	32065 12
PU 242 239 2118	460,700	0,9534	9,85045	12,88	40,44	34666	32121 12
PU 242 239 2118	462,700	0,9580	9,76548	11,58	36,19	34593	32208 12
PU 242 239 2118	464,700	0,9540	9,68160	12,71	39,58	34380	31877 12
PU 242 239 2118	466,700	0,9601	9,59880	11,01	34,10	34119	31835 12
PU 242 239 2118	468,700	0,9443	9,51706	15,47	47,73	34224	31409 12
PU 242 239 2118	470,700	0,9450	9,43635	15,27	46,91	34050	31273 12

IDENTIFICATION	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	NO. PTS AVE.
PU 242 239 2118	472,700	0,9603	9,35667	10,94	33,47	33564 31325	12
PU 242 239 2118	474,700	0,9668	9,27799	9,12	27,77	33226 31219	12
PU 242 239 2118	476,700	0,9482	9,20031	14,37	43,60	33484 30855	12
PU 242 239 2118	478,700	0,9543	9,12359	12,62	38,13	33228 30818	12
PU 242 239 2118	480,700	0,9408	9,04783	16,46	49,52	33091 30258	12
PU 242 239 2118	482,700	0,9448	8,97301	15,32	45,88	32901 30212	12
PU 242 239 2118	484,700	0,9462	8,89911	14,94	44,57	32720 30088	12
PU 242 239 2118	486,700	0,9442	8,82612	15,51	46,07	32541 29861	12
PU 242 239 2118	488,700	0,9421	8,75403	16,10	47,63	32361 29630	12
PU 242 239 2118	490,700	0,9443	8,68281	15,47	45,57	32217 29567	12
PU 242 239 2118	492,700	0,9479	8,61246	14,44	42,38	32002 29482	12
PU 242 239 2118	494,700	0,9364	8,54297	17,75	51,87	32095 29208	12
PU 242 239 2118	496,700	0,9460	8,47431	14,98	43,60	31752 29194	12
PU 242 239 2118	498,700	0,9439	8,40647	15,60	45,22	31536 28929	12
PU 242 239 2118	500,700	0,9405	8,33945	16,57	47,85	31601 28884	12
PU 242 239 2118	502,700	0,9446	8,27322	15,37	44,22	31320 28754	12
PU 242 239 2118	504,700	0,9244	8,20778	21,23	60,82	31320 28136	12
PU 242 239 2118	506,700	0,9456	8,14312	15,10	43,10	30847 28347	12
PU 242 239 2118	508,400	0,9309	8,08875	19,33	54,98	22421 20284	8
PU 242 232 2093	508,900	0,9524	8,07286	13,17	37,41	49577 45890	4
PU 242 232 2093	512,900	0,9410	7,94744	16,43	46,32	50092 45810	4
PU 242 232 2093	516,900	0,9386	7,82491	17,12	47,89	49935 45550	4
PU 242 232 2093	520,900	0,9465	7,70520	14,84	41,19	49827 45561	4
PU 242 232 2093	524,900	0,9386	7,58821	17,09	47,09	49636 45281	4
PU 242 232 2093	528,900	0,9386	7,47387	17,10	46,74	50083 45688	4
PU 242 232 2093	532,900	0,9351	7,36209	18,11	49,14	50119 45550	4
PU 242 232 2093	536,900	0,9371	7,25780	17,53	47,22	49839 45392	4
PU 242 232 2093	540,900	0,9349	7,14593	18,17	48,88	50170 45586	4
PU 242 232 2093	544,900	0,9338	7,04140	18,48	49,04	50163 45528	4
PU 242 232 2093	548,900	0,9405	6,93915	16,56	43,63	49822 45540	4
PU 242 232 2093	552,900	0,9518	6,83911	13,34	34,88	49566 45851	4
PU 242 232 2093	556,900	0,9342	6,74121	18,38	47,72	50087 45475	4
PU 242 232 2093	560,900	0,9353	6,64541	18,05	46,54	49914 45373	4
PU 242 232 2093	564,900	0,9373	6,55163	17,47	44,72	49530 45122	4
PU 242 232 2093	568,900	0,9479	6,45982	14,46	36,75	49383 45492	4
PU 242 232 2093	572,900	0,9513	6,36993	13,48	34,03	49370 45644	4
PU 242 232 2093	576,900	0,9418	6,28191	16,18	40,56	49428 45244	4
PU 242 232 2093	580,900	0,9353	6,19569	18,05	44,94	49586 45074	4
PU 242 232 2093	584,900	0,9426	6,11124	15,95	39,43	49673 45507	4
PU 242 232 2093	588,900	0,9403	6,02850	16,63	40,84	49342 45090	4
PU 242 232 2093	592,900	0,9340	5,94743	18,43	44,95	49612 45035	4
PU 242 232 2093	596,900	0,9433	5,86799	15,77	38,19	49259 45158	4
PU 242 232 2093	600,900	0,9459	5,79013	15,03	36,16	49083 45120	4
PU 242 232 2093	604,900	0,9370	5,71380	17,56	41,97	49122 44735	4
PU 242 232 2093	608,900	0,9327	5,63898	18,81	44,67	49138 44542	4
PU 242 232 2093	612,900	0,9277	5,56562	20,25	47,77	49670 44785	4
PU 242 232 2093	616,900	0,9339	5,49368	18,46	43,28	49273 44722	4
PU 242 232 2093	620,900	0,9366	5,42312	17,67	41,15	49034 44635	4
PU 242 232 2093	624,900	0,9405	5,35302	16,57	38,33	49067 44849	4
PU 242 232 2093	628,900	0,9302	5,28603	19,52	44,89	49204 44484	4
PU 242 232 2093	632,900	0,9419	5,21942	16,17	36,95	48693 44571	4
PU 242 232 2093	636,900	0,9310	5,15407	19,30	43,81	49080 44409	4
PU 242 232 2093	640,900	0,9346	5,08993	18,26	41,20	48913 44428	4
PU 242 232 2093	644,900	0,9221	5,02699	21,88	49,07	49124 44025	4
PU 242 232 2093	648,900	0,9377	4,96520	17,37	38,71	48813 44484	4
PU 242 232 2093	652,900	0,9373	4,90455	17,48	38,71	48572 44246	4
PU 242 232 2093	656,900	0,9161	4,84500	23,67	52,10	49369 43953	4
PU 242 232 2093	660,900	0,9280	4,78653	20,17	44,12	48925 44127	4
PU 242 232 2093	664,900	0,9328	4,72912	18,84	40,98	48603 44051	4
PU 242 232 2093	668,900	0,9246	4,67272	21,17	45,76	49093 44114	4
PU 242 232 2093	672,900	0,9211	4,61734	22,18	47,65	48867 43747	4
PU 242 232 2093	676,900	0,9269	4,56293	20,49	43,78	48608 43787	4
PU 242 232 2093	680,900	0,9152	4,50947	23,94	50,83	49119 43687	4
PU 242 232 2093	684,900	0,9226	4,45695	21,76	45,95	48768 43724	4
PU 242 232 2093	688,900	0,9195	4,40535	22,66	47,57	48754 43567	4
PU 242 232 2093	692,900	0,9074	4,35463	26,25	54,77	48928 43146	4
PU 242 232 2093	696,900	0,9158	4,30479	23,76	49,30	48548 43207	4
PU 242 232 2093	700,900	0,9114	4,25579	25,04	51,66	48165 42663	4
PU 242 232 2093	704,900	0,9191	4,20763	22,78	46,72	47769 42669	4
PU 242 232 2093	708,900	0,9130	4,16028	24,34	49,65	47597 42270	4
PU 242 232 2093	712,900	0,8997	4,11373	28,54	57,89	47873 41858	4
PU 242 232 2093	716,900	0,9059	4,06795	26,69	53,84	47833 42110	4
PU 242 232 2093	720,900	0,9196	4,02293	22,62	45,37	47619 42559	4

IDENTIFICATION	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	NO. PTS AVE.
PU 242 232 2093	724,900	0,9125	3,97866	24,71	49,29	47937 42512	4
PU 242 232 2093	728,900	0,9136	3,93511	24,40	48,40	47874 42507	4
PU 242 232 2093	732,900	0,9052	3,89227	26,91	53,08	48263 42456	4
PU 242 232 2093	736,900	0,9041	3,85013	27,23	53,43	48136 42293	4
PU 242 232 2093	740,900	0,9032	3,80867	27,48	53,62	47802 41961	4
PU 242 232 2093	744,900	0,8820	3,76788	33,90	65,81	48355 41448	4
PU 242 232 2093	748,900	0,8870	3,72773	32,37	62,49	48457 41772	4
PU 242 232 2093	752,900	0,9097	3,68823	25,56	49,08	47422 41924	4
PU 242 232 2093	756,900	0,8836	3,64935	33,41	63,82	47940 41168	4
PU 242 232 2093	760,900	0,8769	3,61108	35,46	67,38	47699 40651	4
PU 242 232 2093	764,900	0,8692	3,57341	37,84	71,52	48336 40833	4
PU 242 232 2093	768,900	0,8668	3,53633	38,60	72,59	47673 40158	4
PU 242 232 2093	772,900	0,8581	3,49982	41,31	77,29	47802 39865	4
PU 242 232 2093	776,900	0,8520	3,46388	43,26	80,51	48183 39893	4
PU 242 232 2093	780,900	0,8526	3,42848	43,07	79,75	47611 39448	4
PU 242 232 2093	784,900	0,8339	3,39363	49,04	90,33	47853 38782	4
PU 242 232 2093	788,900	0,8415	3,35930	46,61	85,42	47304 38683	4
PU 242 232 2093	792,900	0,8190	3,32549	53,90	96,30	47871 38103	4
PU 242 232 2093	796,900	0,8079	3,29219	57,60	104,92	47763 37500	4
PU 242 232 2093	800,900	0,7941	3,25939	62,23	112,35	47398 36581	4
PU 242 232 2093	804,900	0,7779	3,22707	67,82	121,84	47592 35977	4
PU 242 232 2093	808,900	0,7586	3,19524	74,60	133,34	47767 35215	4
PU 242 232 2093	812,900	0,7427	3,16387	80,33	142,89	47520 34296	4
PU 242 232 2093	816,900	0,7178	3,13296	89,52	156,46	47200 32925	4
PU 242 232 2093	820,900	0,6873	3,10250	101,25	178,35	47030 31412	4
PU 242 232 2093	824,900	0,6654	3,07249	110,00	192,81	46502 30070	4
PU 242 232 2093	828,900	0,6169	3,04290	130,41	227,48	47408 28423	4
PU 242 232 2093	832,900	0,5674	3,01375	153,00	269,61	47331 26099	4
PU 242 232 2093	836,900	0,5195	2,98501	176,80	309,46	47284 23874	4
PU 242 232 2093	840,900	0,4616	2,95668	208,74	358,94	46984 21075	4
PU 242 232 2093	844,900	0,4100	2,93569	240,73	412,46	23705 9445	2
PU 242 232 2093	848,900	0,3775	2,92183	263,06	449,65	23272 8536	2
PU 242 232 2093	847,900	0,3393	2,90806	291,83	497,66	23313 7687	2
PU 242 232 2093	849,900	0,2807	2,89439	343,05	583,62	23857 6507	2
PU 242 232 2093	851,900	0,2424	2,88081	382,63	649,43	23792 5604	2
PU 242 234 2095	853,400	0,8971	2,87070	450,68	763,59	41121 36865	2
PU 242 234 2095	855,400	0,8822	2,85729	520,36	879,60	41367 36468	2
PU 242 234 2095	857,400	0,8546	2,84397	652,23	1099,92	41549 35484	2
PU 242 234 2095	859,400	0,8315	2,83075	766,13	1289,01	41204 34236	2
PU 242 234 2095	861,400	0,7857	2,81762	1001,12	1680,46	41503 32587	2
PU 242 234 2095	863,400	0,7494	2,80458	1197,87	2006,06	41161 30823	2
PU 242 234 2095	865,400	0,6859	2,79164	1565,18	2619,13	41292 28304	2
PU 242 234 2095	867,400	0,5955	2,77878	2152,01	3587,32	41470 24679	2
PU 242 234 2095	869,400	0,4838	2,76601	3014,79	5013,99	41508 20067	2
PU 242 234 2095	871,400	0,3536	2,75332	4316,33	7162,15	41113 14527	2
PU 242 276 2253	873,000	0,9239	2,74324	7668,68	12701,44	10828 10004	1
PU 242 276 2253	875,000	0,9226	2,73072	7809,91	12905,78	10821 9983	1
PU 242 276 2253	877,000	0,8615	2,71827	14440,81	23808,84	10816 9319	1
PU 242 276 2253	879,000	0,8040	2,70592	21143,85	34780,95	10810 8691	1
PU 242 276 2253	881,000	0,7564	2,69365	27051,86	44398,42	10804 8172	1
PU 242 276 2253	883,000	0,7360	2,68146	29704,65	48641,85	10799 7948	1
PU 242 276 2253	885,000	0,7486	2,66935	28056,22	45838,69	10793 8080	1
PU 242 276 2253	887,000	0,7708	2,65733	29224,60	41119,41	10787 8315	1
PU 242 276 2253	889,000	0,8071	2,64539	20770,39	33782,29	10782 8702	1
PU 242 276 2253	891,000	0,8635	2,63352	14220,67	23077,49	10776 9305	1
PU 242 276 2253	893,000	0,9165	2,62174	8449,46	13681,19	10771 9872	1
PU 242 276 2253	895,000	0,9367	2,61004	6333,02	10231,37	10765 10004	1
PU 242 234 2095	895,400	0,3522	2,60770	4332,66	6996,54	40911 14399	2
PU 242 234 2095	897,400	0,4729	2,59609	3109,12	5009,54	40808 19285	2
PU 242 234 2095	899,400	0,5722	2,58456	2317,85	3726,31	40986 23436	2
PU 242 234 2095	901,400	0,6583	2,57310	1735,72	2784,24	40972 26954	2
PU 242 234 2095	903,400	0,7239	2,56172	1341,42	2147,00	41019 29673	2
PU 242 234 2095	905,400	0,7812	2,55042	1025,09	1637,08	40422 31556	2
PU 242 234 2095	907,400	0,8100	2,53919	875,15	1394,54	41212 33356	2
PU 242 234 2095	909,400	0,8381	2,52803	733,10	1165,61	40518 33935	2
PU 242 234 2095	911,400	0,8600	2,51695	626,03	993,19	40582 34877	2
PU 242 234 2095	913,400	0,8936	2,50594	467,10	739,43	40184 35883	2
PU 242 234 2095	915,400	0,9012	2,49500	432,09	682,51	40185 36188	2
PU 242 232 2093	915,900	0,2433	2,49228	381,59	602,42	22876 5409	2
PU 242 232 2093	917,900	0,2717	2,48143	351,84	554,24	23278 6146	2
PU 242 232 2093	919,900	0,3190	2,47065	308,49	484,89	22946 7113	2
PU 242 232 2093	922,900	0,3806	2,45461	260,83	408,65	46108 17053	4
PU 242 232 2093	926,900	0,4376	2,43347	223,12	348,05	46107 19609	4
PU 242 232 2093	930,900	0,4907	2,41261	192,22	298,56	45950 21912	4
PU 242 232 2093	934,900	0,5445	2,39201	164,13	253,85	46092 24389	4
PU 242 232 2093	938,900	0,5810	2,37167	146,63	225,81	46295 26137	4
PU 242 232 2093	942,900	0,6209	2,35159	128,66	197,30	46337 27961	4
PU 242 232 2093	946,900	0,6536	2,33176	114,81	175,31	46085 29273	4
PU 242 232 2093	950,900	0,6928	2,31219	99,11	150,70	45772 30814	4
PU 242 232 2093	954,900	0,7134	2,28328	91,18	137,78	42132 33874	8
PU 242 232 2093	964,900	0,7588	2,24558	74,53	111,69	90964 67074	8
PU 242 232 2093	972,900	0,7818	2,20880	66,48	98,80	90957 69099	8

IDENTIFICATION	DELAY	TRANS.	ENERGY	X-SEC	COUNTS			NO. PTS AVE,
					ROOT E	OPEN	SAMPLE	
PU 242 232 2093	980,900	0.8020	2,17292	59.57	87.82	91127	71021	8
PU 242 232 2093	988,900	0.8217	2,13790	53.03	77.54	90874	72561	8
PU 242 232 2093	1000,900	0.8401	2,08695	47.05	67.97	181187	147915	16
PU 242 232 2093	1016,900	0.8696	2,02179	37.72	53.64	179257	151478	16
PU 242 232 2093	1032,900	0.8772	1,95964	35.39	49.54	178558	152198	16
PU 242 232 2093	1048,900	0.8874	1,90031	32.26	44.47	178804	154180	16
PU 242 232 2093	1064,900	0.9000	1,84363	28.45	38.63	176684	154513	16
PU 242 232 2093	1080,900	0.9029	1,78946	27.58	36.89	176919	155217	16
PU 242 232 2093	1096,900	0.9113	1,73763	25.07	33.05	175529	155430	16
PU 242 232 2093	1112,900	0.9169	1,68803	23.43	30.43	173182	154286	16
PU 242 232 2093	1128,900	0.9158	1,64052	23.74	30.41	173910	154749	16
PU 242 232 2093	1144,900	0.9254	1,59499	20.94	26.45	172250	154861	16
PU 242 232 2093	1160,900	0.9177	1,55133	23.18	28.87	171340	152766	16
PU 242 232 2093	1192,900	0.9280	1,46921	20.18	24.46	507148	457144	48
PU 242 232 2093	1240,900	0.9291	1,35775	19.87	23.15	498491	449602	48
PU 242 232 2093	1288,900	0.9360	1,25850	17.86	20.03	486824	441515	48
PU 242 232 2093	1336,900	0.9368	1,16975	17.62	19.06	476102	429356	48
PU 242 232 2093	1384,900	0.9336	1,09007	18.56	19.37	464477	390727	48
PU 242 232 2093	1432,900	0.9381	1,01827	17.25	17.40	450801	386337	48
PU 242 232 2093	1480,900	0.9379	0,95333	17.31	16.90	437144	394815	48
PU 242 232 2093	1528,900	0.9386	0,89441	17.10	16.17	424706	386163	48
PU 242 232 2093	1576,900	0.9336	0,84078	18.54	17.00	410834	372065	48
PU 242 232 2093	1624,900	0.9374	0,79184	17.46	15.53	395354	359684	48
PU 242 232 2093	1672,900	0.9397	0,74706	16.80	14.52	378767	345529	48
PU 242 232 2093	1720,900	0.9382	0,70596	17.23	14.47	363304	330963	48
PU 242 232 2093	1768,900	0.9372	0,66817	17.51	14.31	346319	315179	48
PU 242 232 2093	1816,900	0.9367	0,63333	17.65	14.05	329241	299448	48
PU 242 232 2093	1864,900	0.9354	0,60145	18.12	14.00	310932	288174	48
PU 242 232 2093	1912,900	0.9330	0,57136	18.71	14.15	292594	264905	48
PU 242 232 2093	1960,900	0.9361	0,54373	17.82	13.14	273655	248685	48
PU 242 232 2093	2008,900	0.9426	0,51806	15.96	11.49	253640	232138	48
PU 242 230 2090	2073.000	0.9393	0.48603	16.92	11.79	75037	68436	9
PU 242 230 2090	2123.900	0.9346	0.46301	18.26	12.43	82275	74660	10
PU 242 230 2090	2179.455	0.9380	0.43971	17.27	11.45	93614	85250	11
PU 242 230 2090	2233.000	0.9288	0.41887	19.94	12.91	75607	68162	9
PU 242 230 2090	2286.545	0.9392	0.39948	16.93	10.70	94514	86138	11
PU 242 230 2090	2342.100	0.9375	0.38076	17.43	10.75	81623	74219	10
PU 242 230 2090	2401.000	0.9344	0.36230	18.31	11.02	101638	92053	12
PU 242 230 2090	2462.545	0.9361	0.34442	17.83	10.47	95571	86621	11
PU 242 230 2090	2523.667	0.9309	0.32794	19.34	11.08	103238	92926	12
PU 242 230 2090	2585.000	0.9326	0.31256	18.84	10.53	92300	83107	11
PU 242 230 2090	2649.000	0.9318	0.29764	19.08	10.41	119650	107513	13
PU 242 230 2090	2715.667	0.9330	0.28321	18.71	9.96	111020	99893	12
PU 242 230 2090	2782.154	0.9282	0.26983	20.10	10.44	122915	110048	13
PU 242 230 2090	2849.000	0.9374	0.25732	17.46	8.86	121486	109871	12
PU 242 230 2090	2918.500	0.9299	0.24521	19.61	9.71	154146	138365	14
PU 242 230 2090	2990.154	0.9279	0.23360	20.19	9.76	150081	134507	13
PU 242 230 2090	3065.000	0.9297	0.22233	19.69	9.29	192992	173401	15
PU 242 230 2090	3145.000	0.9238	0.21116	21.41	9.84	215152	192209	15
PU 242 230 2090	3222.500	0.9287	0.20113	19.97	8.96	227798	204691	14
PU 242 230 2090	3299.667	0.9284	0.19183	20.05	8.78	267927	240768	15
PU 242 230 2090	3382.188	0.9219	0.18258	21.95	9.38	317752	283634	16
PU 242 230 2090	3465.000	0.9278	0.17396	20.74	8.44	338017	302717	15
PU 242 230 2090	3547.813	0.9244	0.16593	21.22	8.64	400160	358338	16
PU 242 230 2090	3635.529	0.9236	0.15802	21.45	8.53	486695	435527	17
PU 242 230 2090	3729.000	0.9218	0.15020	21.97	8.52	569871	509051	18
PU 242 230 2090	3822.471	0.9204	0.14295	22.39	8.47	600895	535997	17
PU 242 230 2090	3915.667	0.9234	0.13622	21.51	7.94	688266	616001	18
PU 242 230 2090	4011.667	0.9206	0.12978	22.33	8.04	752710	671671	18
PU 242 230 2090	4110.211	0.9207	0.12363	22.32	7.85	847537	756351	19
PU 242 230 2090	4209.000	0.9201	0.11790	22.47	7.72	869763	775777	18
PU 242 230 2090	4313.000	0.9217	0.11228	22.03	7.38	1078868	963878	21
PU 242 230 2090	4422.450	0.9192	0.10679	22.75	7.43	1100123	980250	20
PU 242 230 2090	4531.667	0.9169	0.10170	23.43	7.47	1202513	1068782	21
PU 242 230 2090	4643.667	0.9153	0.09686	23.89	7.44	1249876	1108923	21
PU 242 230 2090	4758.227	0.9180	0.09225	23.11	7.02	1245053	1126706	22
PU 242 230 2090	4873.000	0.9160	0.08796	23.68	7.02	1328912	1179729	21
PU 242 230 2090	4993.000	0.9174	0.08378	23.27	6.74	1552992	1380552	24
PU 242 230 2090	5121.000	0.9122	0.07964	24.82	7.00	1574676	1391649	24
PU 242 230 2090	5249.000	0.9109	0.07581	25.20	6.94	1571561	1386749	24
PU 242 230 2090	5377.000	0.9133	0.07224	24.48	6.58	1581652	1399233	24
PU 242 230 2090	5505.000	0.9110	0.06892	25.17	6.61	1575636	1390129	24
PU 242 230 2090	5641.000	0.9077	0.06564	26.15	6.70	1742128	1531248	27
PU 242 230 2090	5785.000	0.9069	0.06241	26.40	6.59	1741994	1529485	27
PU 242 230 2090	5929.000	0.9070	0.05941	26.37	6.43	1682326	1477049	27
PU 242 230 2090	6073.000	0.9078	0.05663	26.12	6.22	1609891	1414505	27
PU 242 230 2090	6219.750	0.9024	0.05399	27.74	6.44	1617828	1412792	28
PU 242 230 2090	6371.586	0.9012	0.05145	28.09	6.37	1613600	1407029	29
PU 242 230 2090	6529.000	0.9004	0.04900	28.33	6.27	1584711	1380366	30
PU 242 230 2090	6691.742	0.8970	0.04664	29.35	6.34	1512702	1312436	31

IDENTIFICATION	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	NO. PTS AVE.
PU 242 230 2090	6859.594	0.8951	0.04439	29.92	6.30	1517809 1313853	32
PU 242 230 2090	7030.406	0.8894	0.04226	31.65	6.51	1472839 1266565	32
PU 242 230 2090	7203.667	0.8894	0.04025	31.64	6.35	1390513 1195611	33
PU 242 230 2090	7382.265	0.8910	0.03832	31.16	6.10	1319433 1136301	34
PU 242 230 2090	7561.000	0.8890	0.03653	31.76	6.07	1180802 1014467	33
PU 242 230 2090	7745.000	0.8864	0.03482	32.55	6.07	1200220 1027926	36
PU 242 230 2090	7937.000	0.8853	0.03315	32.88	5.99	1143720 978159	36
PU 242 230 2090	8134.395	0.8776	0.03157	35.26	6.26	1100552 932817	38
PU 242 230 2090	8337.000	0.8713	0.03005	37.19	6.45	1003100 843990	38
PU 242 230 2090	8542.333	0.8712	0.02862	37.23	6.30	951413 800220	39
PU 242 230 2090	8755.610	0.8745	0.02724	36.21	5.98	870722 734958	41
PU 242 230 2090	8971.725	0.8687	0.02595	38.00	6.12	731667 613383	40
PU 242 230 2090	9190.333	0.8611	0.02473	40.37	6.35	727922 604774	42
PU 242 230 2090	9419.614	0.8551	0.02354	42.28	6.49	709553 585233	44
PU 242 230 2090	9651.721	0.8571	0.02242	41.64	6.24	600799 496596	43
PU 242 230 2090	9889.000	0.8513	0.02136	43.47	6.35	565741 464353	46
PU 242 230 2090	10134.283	0.8447	0.02034	45.56	6.50	480473 391257	46
PU 242 230 2090	10385.000	0.8370	0.01937	48.05	6.69	464230 374442	48
PU 242 230 2090	10641.000	0.8380	0.01845	47.73	6.48	404492 326530	48
PU 242 230 2090	10902.380	0.8331	0.01757	49.29	6.53	369099 296130	50
PU 242 230 2090	11174.288	0.8385	0.01673	47.57	6.15	334307 269839	52
PU 242 230 2090	11449.000	0.8348	0.01593	48.75	6.15	276840 222398	51
PU 242 230 2090	11729.000	0.8309	0.01518	50.00	6.16	257827 206087	54
PU 242 230 2090	12019.709	0.8306	0.01446	50.10	6.02	243791 194719	55
PU 242 230 2090	12315.625	0.8236	0.01377	52.41	6.15	225740 178694	56
PU 242 230 2090	12619.707	0.8178	0.01311	54.30	6.22	212765 167174	58
PU 242 230 2090	12931.627	0.8110	0.01249	56.56	6.32	192225 149715	59
PU 242 230 2090	13249.000	0.8084	0.01190	57.44	6.27	162028 125738	60
PU 242 230 2090	13577.000	0.7997	0.01133	60.35	6.42	140839 108077	63
PU 242 230 2090	13913.000	0.8011	0.01079	59.89	6.22	113531 87234	63
PU 242 230 2090	14257.000	0.7912	0.01028	63.25	6.41	94074 71360	66
PU 242 230 2090	14609.000	0.7781	0.00979	67.76	6.70	94686 70594	66
PU 242 230 2090	14969.000	0.7796	0.00932	67.24	6.49	82564 61629	69
PU 242 230 2090	15339.700	0.7659	0.00888	72.01	6.78	67807 49690	70
PU 242 230 2090	15718.333	0.7651	0.00845	72.28	6.65	56158 41079	72
PU 242 230 2090	16075.629	0.7511	0.00808	77.27	6.95	39990 28696	62

APPENDIX B

CALCULATED NEUTRON CROSS SECTIONS

E_n (eV)	With -0.016 eV Resonance		Without -0.016 eV Resonance*	
	$\sigma_T(b)$	$\sigma_{abs}(b)$	$\sigma_T(b)$	$\sigma_{abs}(b)$
.008	76.0	64.4	50.6	39.0
.010	66.6	54.9	46.5	34.9
.012	59.8	48.1	43.5	31.9
.014	54.6	41.2	42.9	29.5
.018	47.3	35.6	37.8	26.1
.0220	42.4	30.7	35.3	23.7
.0253	39.6	28.0	33.9	22.2
.028	37.5	25.9	32.7	21.0
.036	33.4	21.7	30.3	18.6
.046	30.2	18.5	28.2	16.6
.058	27.7	16.1	26.5	14.9
.072	25.8	14.2	25.0	13.4
.092	24.2	12.6	23.7	12.1
.112	22.9	11.3	22.6	11.0
.140	21.7	10.2	21.5	10.0
.176	20.7	9.2	20.6	9.1
.220	19.8	8.4	19.8	8.4
.276	19.1	7.8	19.1	7.8
.346	18.5	7.3	18.5	7.3
.432	18.0	6.9	18.0	6.9
.540	17.6	6.7	17.6	6.7
.676	17.4	6.7	17.4	6.7
.844	17.4	7.0	17.4	7.0
1.00	17.6	7.5	17.6	7.5
1.25	18.5	9.1	18.5	9.1
1.50	20.5	12.0	20.5	12.0

* These values also correspond to a fit of the data after it has been corrected for small angle scattering.