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TABULATION OF THE
TOTAL NEUTRON CROSS SECTION OF ^{232}U

O. D. Simpson, M. S. Moore and J. R. Berreth

RELEASED FOR ANNOUNCEMENT
IN NUCLEAR SCIENCE ABSTRACTS

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IDAHO NUCLEAR CORPORATION

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Tabulation of the Total Neutron Cross Section of ^{232}U

O. D. Simpson, M. S. Moore[‡] and J. R. Berreth

Abstract

The total neutron cross section of ^{232}U has been measured from 0.01 to 10,000 eV using the Materials Testing Reactor (MTR) fast chopper. A 2200 meter/sec total neutron cross section of 165 ± 10 barns was determined. Multilevel parameters are listed for resonances below 30 eV. Results of the analysis indicate that two fission channels are needed to describe the experimental data. A tabulation of the data is given in the attached appendix.

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Tabulation of the Total Neutron Cross Section of ^{232}U

O. D. Simpson, M. S. Moore and J. R. Berreth

I. Introduction

The low-energy neutron cross sections of ^{232}U are of interest for several reasons. In the ^{232}Th - ^{233}U breeding cycle, ^{232}U is formed in relatively low concentrations (approximately 50-100 ppm of the uranium produced), primarily as a result of the reaction $^{232}\text{Th} (n, 2n) ^{231}\text{Th}$ followed by beta decay to ^{231}Pa and then by slow neutron capture. The presence of ^{232}U in reactor-produced ^{233}U may cause a serious fabrication and handling hazard for ^{233}U -fueled reactors. This is because ^{232}U decays with a 72 year half-life to 1.9 year ^{228}Th , the parent of a short-lived decay chain ending in ^{208}Pb with the emission of a highly penetrating 2.62 MeV gamma ray. The existence of small quantities of ^{232}U in ^{233}U fuel requires that remote facilities be used when fabricating and handling such fuel. The cross sections of ^{232}U are of interest in predicting ^{232}U burn-out relative to that of ^{233}U and the radiation hazards which may be involved in handling recycled ^{233}U reactor fuel. The fact that there are no reactors in existence at present which use ^{233}U as fuel is probably due in part to the presence of ^{232}U in such fuel.

The cross sections of ^{232}U are also of physical interest. The most common fissile nuclides, ^{233}U , ^{235}U , ^{239}Pu and ^{241}Pu are even-odd isotopes, and the low-energy neutron resonance structure is very difficult to analyze because it is so complex. The compound nucleus formed by adding a slow neutron to one of these common fissile nuclides is even-even, and there are two possible spin states. The resonances are closely

spaced, and strong interference is observed in the fission component. It is almost impossible to obtain a meaningful analysis of such data without some a priori information about the resonance spins. In order to further the understanding of the fission process, one should also investigate the resonance behavior of an even-even fissile target nuclide such as ^{232}U . Here, since the initial target spin is 0^+ , only one compound nucleus spin state is formed, $1/2^+$. The resonances are widely spaced, and it is of interest to know what kind of interference effects, if any, can be observed in the fission of such an even-odd compound nucleus.

II. Experimental Procedure

The ^{232}U used in these measurements consisted of approximately 1 g of material obtained from Oak Ridge National Laboratory (ORNL) in the form of uranium oxide, U_3O_8 . It had been prepared by reactor irradiation of ^{231}Pa and subsequent separation of the ^{232}U produced. The isotopic composition of the material was as follows: 99.24% ^{232}U , 0.72% ^{233}U , with traces of ^{235}U and ^{238}U .

From this material, samples were prepared for transmission measurements, which were made with the Materials Testing Reactor (MTR) fast chopper and associated radioactive-sample changer⁽¹⁾. The procedure used in preparing uniform samples, by mixing weighed quantities of sample material with aluminum powder and pressing the mixture into a solid compact, has been described in detail⁽²⁾. Three samples of $^{232}\text{U}_3\text{O}_8$ in Al were prepared in this way, having inverse thicknesses of 2205, 576.9 and 556.6 barns/atom of ^{232}U at the time of preparation. During one phase of the experiment, the two thicker samples were combined to

form a sample having an inverse thickness of 283.2 barns/atom. The thinnest sample was prepared from the U_3O_8 as it was received from ORNL; however, the two thicker samples were reprocessed before packaging to remove the ^{228}Th and other daughter products. This was carried out as follows: The U_3O_8 was dissolved in 8N HCl with a trace of HNO_3 . This uranium solution was then loaded onto a Dowex 1-X8 column. The ^{228}Th was washed through the column with succeeding washes of 8N HCl. The uranium was then eluted with a water wash, precipitated, filtered, dried and ignited to the oxide at 800°C .

Details of the experimental procedure have been discussed elsewhere⁽³⁾, and will only be summarized here as follows: The ^{232}U sample was placed in the shielded sample changer at the point where the neutron beam enters the chopper rotor. The sample and open blank were cycled alternately into the beam at 10-minute intervals, as were ^{10}B filters and beam-blocking devices to measure backgrounds⁽⁴⁾. The times of flight of the neutrons over a 20 meter flight path were measured with a 4096-channel analyzer.

Data were collected at intervals of a few weeks to a few months, over a period of two years, in order to observe the effects of radioactive decay of ^{232}U and buildup of daughter products. The total neutron cross section of ^{232}U , as determined from the transmission data, is shown in Figs. 1 and 2. A tabulation of the data are given in Appendices A and B.

In all the measurements taken on the ^{232}U samples, there was observed an anomalous cross-section contribution, which raised the off-resonance cross section from the expected 10-15 barns to between 30 and 54 barns, depending on the sample. Effects of this nature have been

noted previously when making transmission measurements on highly radioactive samples; in particular, very much the same effect was observed for ^{238}Pu and ^{182}Ta samples^(5,6).

A correction for this anomalous cross section was carried out, under the assumption that it was due to a contaminant. One sample had a valley cross section of 54 barns and another, a valley cross section of 36 barns. It was assumed that the difference in these two cross sections gives the energy dependence of this contaminant. The energy dependence of this cross section is shown in Fig. 3. The results indicate that the anomalous cross section is due primarily to a hydrogenous substance. (It can only be conjectured what the source of this contaminant might be: perhaps water or a hydrocarbon depositing on the sample from radiation destruction of the neoprene O-ring gasket.) The shape of the contaminant curve was assumed to be given by this difference, and to be the same for all samples. Before the correction could be made, however, it was necessary to know how much of the contaminant was present in each of the samples.

We chose to make the correction by normalizing the contaminant cross section as shown in Fig. 3 for each of the different samples to give total cross-section values for ^{232}U which were self-consistent over the region of energies covered. Three representative energy regions were considered: thermal (near 0.025 eV), the resolved resonance region (a few eV), and the unresolved resonance region (above 1 keV).

(1) In the thermal energy region, Halperin et al⁽⁷⁾ found the radiative capture cross section of ^{232}U to be 78 ± 4 barns. Elson et al⁽⁸⁾ measured the fission cross section to be 81 ± 15 barns. The present data can be used as evidence that the correction for a non $1/v$ behavior

of the absorption cross section in the region near 0.025 eV does not change these numbers significantly. It was assumed that the absorption cross section of ^{232}U at 0.0253 eV is given by 159 ± 16 barns, the sum of these two components. A scattering cross section at 0.0253 eV of 14 ± 5 barns was estimated by using the two channel multilevel parameters (to be described in Section III below) and by assuming a potential scattering cross section of 15 ± 5 barns. The expected scattering cross section is lower than the potential scattering cross section because of the destructive interference of potential scattering with resonance scattering of the 5.9 eV resonance.

(2) In the region of 1-3 eV, there is a valley in the cross section of ^{232}U . An analysis of the observed resonance structure of ^{232}U (Section III) gave a value of 4 ± 2 barns for the absorption cross section in this valley, and a value of 12.5 ± 5.0 barns for the scattering cross section.

(3) At neutron energies above 1 keV the resonances can no longer be observed as such, because of resolution broadening. From nuclear systematics, a value of $1.0 \pm 0.2 \times 10^{-4}$ can be expected for the neutron strength function $\langle \Gamma_n^0/D \rangle^{(9)}$. If one assumes a level spacing at 1 keV to be the same as at lower energies, one can calculate an average resonance cross section of 13 ± 3 barns.

A linearized least-squares program⁽¹⁰⁾ was used to estimate how much hydrogenous contaminant was present in each of the samples. It was assumed that the measured total cross section $(\sigma_{nT})_{ij}$ for the i th sample and for the j th neutron energy region could be written as

$$(\sigma_{nT})_{ij} = (\sigma_{nX})_j + (\sigma_{nn})_j + k_i(\sigma_{nc})_j, \quad (1)$$

where $(\sigma_{nX})_j$ is the absorption cross section of ^{232}U in the energy region of interest, $(\sigma_{nn})_j$ is the scattering cross section, $(\sigma_{nc})_j$ is the hydrogenous contaminant cross section, and k_i is the amount of contaminant relative to ^{232}U for the i th sample. In order to reduce the number of variables, it was assumed that the energy variation of $(\sigma_{nc})_j$ was that given by the derived contaminant cross section shown in Fig. 3. Equation 1 was linearized and used, with auxiliary equations based on the values consistent with (1) integral measurements at thermal energies, (2) multilevel results in the low resonance region, and (3) strength function systematics at 1 keV, to determine the best contaminant correction (that which gives the least square error) for each run. The measured cross section values for the three regions discussed above are listed in Table I. The input parameters and results of the final iteration of the least-squares determination are given in Table II.

Some discussion may be required to justify the assumption that the off-resonance cross section is due to a contaminant. The possibility exists, of course, that the off-resonance cross section of ^{232}U actually amounts to perhaps 50 barns, instead of the 10-15 barns common to other heavy nuclides⁽¹¹⁾. James⁽¹²⁾ has reported the off-resonance fission cross section of ^{232}U as 25-30 barns in the low eV region. One can interpret this as evidence that the anomalous off-resonance cross section belongs to ^{232}U , and not to an unknown contaminant. The present data do not support such an interpretation, however, for two reasons:

(1) The off-resonance cross section is constant rather than showing the $1/v$ neutron energy dependence which is required if it is due to fission.

(2) The magnitude of the off-resonance component is not stoichiometrically related to the amount of ^{232}U in the samples for the various runs.

III. Analysis

In the initial reporting of these measurements⁽¹³⁾, in June of 1963, it was concluded from very preliminary data that ^{232}U resonances do show a substantial fission component, since the resonances are much wider than any observed heavy-element capture resonances. Later, direct measurements of the fission cross section by G. D. James⁽¹²⁾ at Harwell confirmed these results. The resonances in ^{232}U are observed to be relatively widely-spaced, so that interference effects in fission would not be expected to be very pronounced. In the earliest measurements⁽¹³⁾, taken with the thinnest sample, it was found that the data were consistent with a Breit-Wigner single-level description. Only in the thicker sample transmission data are the effects large enough to demonstrate the existence of interference. The transmission data were analyzed by a multilevel formula which treats interference among fission resonances using one or two fission channels. The solid curve in Fig. 2 shows the results of the multilevel two-channel analysis, the parameters of which are listed in Table III. In analyzing the data, it was found that at least two fission channels are required for the five resonances considered. A single-fission-channel description was found to be inadequate, particularly in the region of 18 to 23 eV. All possible combinations

of signs on the interference terms were used in attempting to fit the data with one fission channel; the dashed line below 31 eV shows the best of the single-channel descriptions, and the resonance parameters for which are given in Table IV. Shown also are the resonance parameters reported by James⁽¹²⁾, from the fission cross-section measurements. This one-channel fit to the data was obtained by allowing the resonances to interfere in the manner recommended by James in his analysis of the fission cross section of ^{232}U . However, James' data are necessarily thin sample data, which do not have the sensitivity (because of counting statistics) in discerning small changes in the magnitude of the cross section between resonances. Hence from the fission data alone one could probably not tell that a single-fission-channel description is inadequate. James' parameters are not in agreement with the present analysis, primarily because of the values of Γ_n^0 . The cross section calculated from James' parameters agree better with the present data if the values of Γ_n^0 are increased by approximately 50%. This is equivalent to attributing the discrepancy to an error in determining the amount of fissile material used in the Harwell measurements. It is difficult to see how possible errors in the present experiment can account for such a discrepancy.

A previous section of this paper described the experimental measurement, in which there was a large correction required to force self-consistency in the off-resonance cross section. But in the analysis, it is just the off-resonance cross section which is most sensitive to multilevel interference effects. It is thus natural to question the validity of an analysis which appears to depend completely on a correction which was in turn forced to agree with the analysis.

In actuality, the magnitude of the correction has virtually no effect on the results of the analysis above 1 eV. The interference in fission between two resonances does not depend on the magnitude of the off-resonance cross section. For example, in Fig. 2, it is apparent that the 12.7 and 21.1 eV resonances interfere constructively, and shifting the baseline by a constant will not change the interference appreciably. Shifting the baseline is equivalent to making a constant correction, and the correction for a hydrogenous contaminant is constant from 1 to 30 eV.

IV. Discussion

The conclusion reached in the analysis, that a single-fission channel is not adequate to describe the data, is somewhat surprising. Only one channel is expected for s-wave neutron induced fission of ^{232}U , and this is presumably the same channel observed by Lamphere^(14,15) in recent studies of the fast neutron fission of ^{234}U and other even-even targets. One expects the fission channel sequence for $(^{232}\text{U} + n)$ to be the same as for other even-even target nuclides $(^{230}\text{Th} + n)$, $(^{232}\text{Th} + n)$ and $(^{234}\text{U} + n)$. The channel sequence postulated for fast neutron fission is $1/2^+$, $3/2^-$, $1/2^-$. These channels are found to dominate the fast neutron-induced fission cross section for several hundred keV above the threshold, and there is no need to assume the existence of a second $1/2^+$ channel. On the basis of systematics of neutron-induced fission thresholds of the even-even isotopes of uranium, one cannot really predict with any certainty whether ^{232}U ought to be a fissile nuclide. Direct measurements of the low-energy neutron fission cross sections^(8,12) show that it is. But certainly the threshold for the $1/2^+$ fission channel.

does not lie very far below the neutron binding energy. One can make estimates about the possible existence of a second $1/2^+$ channel lying within a few hundred keV of the lowest threshold, such as that in the work of Lamphere⁽¹⁴⁾ and others, the two channels might appear as one. Following Nilsson⁽¹⁶⁾, Vandenbosch⁽¹⁷⁾ has made calculations of expected single particle neutron levels which could correspond to the observed channel structure. A second low-lying $1/2^+$ channel is not expected for any reasonable deformation at the saddle point.

Nevertheless, the present data are not consistent with a single fission channel for the observed levels, and these levels are far too strong to be anything but s-wave resonances. It is of interest to note that the wide resonances do show the expected interference; only the two narrowest levels are not consistent with the single-fission-channel interpretation. This may indicate an effect recently suggested by Lynn⁽¹⁸⁾. Noting that there appears to be a lack of very small fission widths in all fissile nuclide resonances, Lynn suggested that a direct-fission process ($n,\gamma f$) may be responsible. This process is analogous to the direct capture of slow neutrons, discussed by Lane and Lynn^(19,20), where the final state, assumed to lie above its fission threshold, could then undergo fission. The probability of such a process has been estimated by Lynn for the common fissile nuclides⁽¹⁸⁾. An upper limit for the fission width is a few (4 or 5) mV. Such a process might be invoked to account for the lack of interference in the narrowest ^{232}U resonances. In order for the ($n,\gamma f$) reaction to be of importance in ^{232}U resonances, the channel sequence must be different from $1/2^+$, $3/2^-$, $1/2^-$. The $1/2^+$ channel must lie high enough above the $3/2^-$ or $1/2^-$ channel, or both, to permit fission to occur with a reasonable probability.

after energy loss by gamma emission. The fast neutron angular distribution data⁽¹⁴⁾, not being sensitive to parity, would be equally consistent with a channel sequence of $1/2^-$, $3/2^-$, $1/2^+$. A channel sequence with a negative parity band lying below a $1/2^+$ band has been suggested by Rae⁽²¹⁾ as being more nearly consistent with the anomalously small resonance fission component of ^{238}Pu ⁽²²⁾. Vorotnikov et al⁽²³⁾ suggest the same kind of channel sequence as a result of studies of the fission threshold of ^{238}Pu . Since ^{232}U should show the same fission channel sequence as all other even-even nuclides, the $(n,\gamma f)$ reaction appears to be a likely reaction in ^{232}U .

It has always been assumed in the multilevel analyses which have been carried out on the common fissile nuclides that the lack of knowledge of the resonance spin prevented one from determining the width parameters uniquely. It was expected that the present analysis, in which all resonances are characteristic of spin $1/2^+$, would be an especially simple case. This has not proved to be so; the simplicity has pointed instead to another anomaly, the necessity of using more than one fission channel in the description of the resonances. The mechanism of this anomaly remains to be established. The present analysis concerns only five resonances. One expects that future investigations, involving hundreds of resonances and complete experiments in which both fission and capture are determined independently, will provide more definitive answers to the problems in low-energy neutron fission of ^{232}U .

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TABLE I

Measured Total Neutron Cross Section of ^{232}U

Sample Original "1/n"	Total Cross Sections		
	<u>Thermal</u>	<u>1-3 eV</u>	<u>~1 keV</u>
556.6	199	36	43
576.9	233	54	63
283.2	187	31	38
556.6*	179	30	39

* At one time a brownish-colored material was removed from the surface of the 556.6 barns/atom sample and the thermal cross section was re-measured and found to be 179 barns. The origin of this contaminant is not fully understood but may be due to deterioration of a neoprene O-ring gasket.

TABLE II

Calculated Neutron Cross Sections for ^{232}U

	<u>Thermal</u>		<u>1-3 eV</u>		<u>~1 keV</u>	
	<u>Input Parameters</u>	<u>Output Data</u>	<u>Input Parameters</u>	<u>Output Data</u>	<u>Input Parameters</u>	<u>Output Data</u>
σ_{nX}	$159 \pm 16^{(a)}$	150.0 ± 3.9	$4 \pm 2^{(b)}$	4.3 ± 0.9	$13 \pm 3^{(c)}$	12.9 ± 1.3
σ_{nn}	$14 \pm 5^{(b)}$	13.1 ± 2.2	$12.5 \pm 5^{(b)}$	14.6 ± 1.7	$15 \pm 5^{(d)}$	14.7 ± 1.8
σ_{nT}	173 ± 17	$163 \pm 10^{(e)}$	16.5 ± 6	18.9 ± 1.9	28 ± 6	27.6 ± 2.2

The input parameter data of this table were combined with the measured cross sections of Table I using a least-square routine to produce the output data listed above.

(a) Obtained from capture and fission data references 7 and 8.

(b) Estimated from multilevel parameters Table III and assuming a potential scattering cross section of 15 ± 5 barns.

(c) Estimated from the neutron strength function $\Gamma_n^0/D = (1.0 \pm 0.2) \times 10^{-4}$

(d) Assumed value for the potential scattering cross section.

(e) The error was increased because of sample uniformity and thickness uncertainties.

TABLE III

^{232}U Neutron Resonance Parameters for a Multilevel Two-Channel Fit

E_0 (eV)	Γ_n^0 (mV)	Γ_{f1} (mV) ^(a)	Γ_{f2} (mV) ^(a)	Γ_γ (mV) ^(b)
-0.600	0.108	-47		47
5.985	0.60	24		47
12.73	1.81		263	47
21.10	0.39		-500	47
23.87	1.00	80		47
27.75	0.45		-150	47

Since the resonance parameters obtained from a multilevel analysis are not unique, it is impossible to assign errors to the resonance parameters. The quantity Γ_{f1} and Γ_{f2} are the fission widths associated with the two fission channels.

(a) Fission widths are always positive; the sign is used to define the type of interference. Resonances having fission widths of the same sign interfere destructively between resonances while resonances with opposite signs interfere constructively.

(b) Assumed value.

TABLE IV

^{232}U Neutron Resonance Parameter for a Multilevel One-Channel Fit

E_o (eV)		Γ_n^o (mV)		Γ_f (mV) ^(a)		Γ_γ (mV) ^(b)	
<u>MTR</u>	<u>Harwell^(c)</u>	<u>MTR</u>	<u>Harwell</u>	<u>MTR</u>	<u>Harwell</u>	<u>MTR</u>	<u>Harwell</u>
-0.600		0.108		- 47		47	
5.985	5.99	0.60	.32	24	31 ± 24	47	50
12.73	12.75	1.81	1.23	263	261 ± 25	47	50
21.10	21.04	0.39	.35	-500	-913 ± 150	47	50
23.87	23.86	1.00	.68	80	80 ± 40	47	50
27.75	27.7	0.45	.42	-150	-540 ± 40	47	50

(a) Fission widths are always positive; the sign is used to define the type of interference. Resonances having fission widths of the same sign interfere destructively between resonances while resonances with opposite signs interfere constructively.

(b) Assumed values.

(c) Reference 12 this report.

Fig. 1. The total neutron cross section of ^{232}U from 0.01 to 1.0 eV. The solid line represents a multilevel two-channel fit to the data.

Fig. 2. The total neutron cross section of ^{232}U from 1 to 10,000 eV. The solid line below 30 eV is a two-channel multilevel fit to the data; the dashed line below 30 eV is a one-channel multilevel fit. The dashed line above 30 eV is an "eyeball" fit to the data. The data in the regions of 2 and 7.5 eV were omitted because of a ^{228}Th contaminant.

Fig. 3. The difference in cross section between two ²³²U samples having inverse thicknesses of 576.9 and 556.6 barns/atom. The data points have been normalized to the water cross section which is shown by the solid line.

Appendix A

Tabulation of the ^{232}U Data

Operating Condition Using a Flight Path of 20 Meters

<u>IBM Run Number</u>	<u>Rotor Speed (rpm)</u>	<u>Channel Width (μsec)</u>	<u>Resolution[*] ($\mu\text{sec}/\text{meter}$)</u>	<u>Sample Thickness (Barns/atom)</u>
1897	3000	2	0.18	287.2
1954	300	16	2.0	287.2
1958	3000	2	0.18	581.3
1959	3000	2	0.18	560.6
1960	6000	1	0.10	287.2
1961	6000	1	0.10	581.3
1962	6000	1	0.10	560.5
1963	6000	1	0.10	2217

*The following assumptions were made: Triangular neutron burst width with full-width at half-maximum of 1.6 μsec at 6000 rpm, rectangular effective counter thickness of 4.8 cm and a Maxwellian distribution of 0.5 μsec full-width at half-maximum for the counter jitter. Effect of detector thickness for measurements above 1 eV was computed at 5 eV.

RUN 1897

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE,
U- 232 000 1897 ODS 02/08/65		22.000	0.9113	4319,63635	26.69	754.29	23153 19497	0.0094	4795 4700	1
U- 232 000 1897 ODS 02/08/65		24.000	0.9190	3629,69443	24.26	461.68	21718 18443	0.0103	4497 4407	1
U- 232 000 1897 ODS 02/08/65		26.000	0.9392	3092,75739	18.01	001.43	20182 17515	0.0112	4222 4138	1
U- 232 000 1897 ODS 02/08/65		28.000	0.9133	2666,71426	26.04	344.52	19928 16818	0.0120	3260 3195	1
U- 232 000 1897 ODS 02/08/65		30.000	0.9054	2323,00443	28.55	375.84	20104 16818	0.0129	2903 2845	1
U- 232 000 1897 ODS 02/08/65		32.000	0.9244	2041,70313	22.57	019.62	21133 18050	0.0137	2342 2295	1
U- 232 000 1897 ODS 02/08/65		34.000	0.9127	1808,56746	26.23	115.54	21836 18414	0.0146	2061 2019	1
U- 232 000 1897 ODS 02/08/65		36.000	0.9059	1613,19753	28.39	140.15	21280 17810	0.0155	2161 2118	1
U- 232 000 1897 ODS 02/08/65		38.000	0.9027	1447,85594	29.40	118.55	21036 17543	0.0163	1864 1826	1
U- 232 000 1897 ODS 02/08/65		40.000	0.9067	1306,68999	28.12	016.52	20347 17044	0.0172	1808 1772	1
U- 232 000 1897 ODS 02/08/65		42.000	0.9167	1185,20634	24.98	859.82	19758 16733	0.0180	1464 1435	1
U- 232 000 1897 ODS 02/08/65		44.000	0.9101	1079,50909	27.04	888.67	19433 16338	0.0189	1734 1699	1
U- 232 000 1897 ODS 02/08/65		46.000	0.9122	988,04536	26.40	829.95	20410 17198	0.0198	1180 1156	1
U- 232 000 1897 ODS 02/08/65		48.000	0.9218	907,42361	23.39	704.47	20083 17101	0.0206	1185 1162	1
U- 232 000 1897 ODS 02/08/65		50.000	0.9198	836,28159	24.02	694.55	20339 17280	0.0215	859 842	1
U- 232 000 1897 ODS 02/08/65		52.000	0.9055	773,18935	28.50	792.57	20173 16873	0.0223	870 852	1
U- 232 000 1897 ODS 02/08/65		54.000	0.9148	716,97668	25.58	684.91	19666 16616	0.0232	1197 1173	1
U- 232 000 1897 ODS 02/08/65		56.000	0.8868	666,67857	34.51	891.02	19970 16356	0.0241	864 847	1
U- 232 000 1897 ODS 02/08/65		58.000	0.9063	621,49345	28.25	704.36	19552 16366	0.0249	921 903	1
U- 232 000 1897 ODS 02/08/65		60.000	0.8942	580,75111	32.13	774.29	19941 16467	0.0258	616 603	1
U- 232 000 1897 ODS 02/08/65		62.000	0.9128	543,88761	26.22	611.46	19628 16546	0.0266	748 733	1
U- 232 000 1897 ODS 02/08/65		64.000	0.8949	510,42578	31.89	720.46	19269 15925	0.0275	892 874	1
U- 232 000 1897 ODS 02/08/65		66.000	0.8882	479,95959	34.04	745.76	19366 15886	0.0283	738 723	1
U- 232 000 1897 ODS 02/08/65		68.000	0.8673	452,14186	40.89	869.37	18545 14853	0.0292	885 867	1
U- 232 000 1897 ODS 02/08/65		70.000	0.8809	426,67428	36.42	752.24	17831 14505	0.0301	732 718	1
U- 232 000 1897 ODS 02/08/65		72.000	0.9104	403,29938	26.97	541.71	16194 13613	0.0309	750 735	1
U- 232 000 1897 ODS 02/08/65		74.000	0.9181	381,79401	24.55	479.60	15098 12799	0.0318	996 976	1
U- 232 000 1897 ODS 02/08/65		76.000	0.8977	361,96399	31.00	589.78	11779 9764	0.0326	921 902	1
U- 232 000 1897 ODS 02/08/65		78.000	0.8690	343,63971	38.31	747.44	9942 7977	0.0335	937 918	1
U- 232 000 1897 ODS 02/08/65		80.000	0.8751	326,67250	38.31	692.49	12797 10340	0.0344	1144 1121	1
U- 232 000 1897 ODS 02/08/65		82.000	0.8981	310,93159	30.87	544.25	15950 13226	0.0352	1268 1243	1
U- 232 000 1897 ODS 02/08/65		84.000	0.9122	296,30159	26.41	454.57	17136 14431	0.0361	1318 1291	1
U- 232 000 1897 ODS 02/08/65		86.000	0.9040	282,68037	29.00	487.61	18296 15269	0.0369	1226 1202	1
U- 232 000 1897 ODS 02/08/65		88.000	0.8499	269,97727	46.72	767.70	18454 14479	0.0378	1341 1314	1
U- 232 000 1897 ODS 02/08/65		90.000	0.8156	258,11160	58.55	940.58	18615 14016	0.0387	1356 1328	1
U- 232 000 1897 ODS 02/08/65		92.000	0.8797	247,01134	36.81	578.58	19256 15638	0.0395	1244 1219	1
U- 232 000 1897 ODS 02/08/65		94.000	0.9142	236,61204	25.75	396.11	18678 15764	0.0404	1223 1199	1
U- 232 000 1897 ODS 02/08/65		96.000	0.9204	226,85990	23.82	358.71	18799 15973	0.0412	1220 1196	1
U- 232 000 1897 ODS 02/08/65		98.000	0.8876	217,69096	34.25	505.34	18761 15371	0.0421	1453 1424	1
U- 232 000 1897 ODS 02/08/65		100.000	0.9206	209,07040	23.77	343.67	18754 15936	0.0429	1245 1220	1
U- 232 000 1897 ODS 02/08/65		102.000	0.8585	200,95194	43.83	621.31	19362 15343	0.0438	1110 1088	1
U- 232 000 1897 ODS 02/08/65		104.000	0.8863	193,29734	69.03	959.30	18633 13524	0.0447	1272 1246	1
U- 232 000 1897 ODS 02/08/65		106.000	0.8511	186,07191	46.31	631.73	18848 14806	0.0455	1108 1086	1
U- 232 000 1897 ODS 02/08/65		108.000	0.8933	179,24417	32.00	433.76	19148 15788	0.0464	984 964	1
U- 232 000 1897 ODS 02/08/65		110.000	0.8995	172,78545	30.43	399.96	18909 15698	0.0472	931 912	1
U- 232 000 1897 ODS 02/08/65		112.000	0.8837	166,66964	35.50	458.31	18458 15555	0.0481	894 876	1
U- 232 000 1897 ODS 02/08/65		114.000	0.8168	160,87288	58.13	737.25	18673 14076	0.0490	840 823	1
U- 232 000 1897 ODS 02/08/65		116.000	0.8250	155,37336	55.24	688.58	18814 14325	0.0498	604 592	1
U- 232 000 1897 ODS 02/08/65		118.000	0.8290	150,15111	53.87	660.10	18663 14277	0.0507	600 587	1
U- 232 000 1897 ODS 02/08/65		120.000	0.7674	145,18778	76.02	916.02	18011 12756	0.0515	602 590	1
U- 232 000 1897 ODS 02/08/65		122.000	0.8595	140,46654	43.47	515.24	17622 13977	0.0524	514 504	1
U- 232 000 1897 ODS 02/08/65		124.000	0.8688	135,97190	40.39	471.00	17411 13958	0.0533	519 509	1
U- 232 000 1897 ODS 02/08/65		126.000	0.7388	131,68959	86.94	997.70	17579 11984	0.0541	513 503	1
U- 232 000 1897 ODS 02/08/65		128.000	0.7890	127,60645	68.06	768.86	17793 12954	0.0550	437 429	1
U- 232 000 1897 ODS 02/08/65		130.000	0.8797	123,71030	36.80	409.26	17251 14003	0.0558	337 330	1
U- 232 000 1897 ODS 02/08/65		132.000	0.9113	119,98809	26.66	292.05	17730 14009	0.0567	338 332	1
U- 232 000 1897 ODS 02/08/65		134.000	0.8791	116,43484	37.00	399.28	18647 15125	0.0575	354 347	1
U- 232 000 1897 ODS 02/08/65		136.000	0.7943	113,03547	66.14	703.23	18922 13867	0.0584	411 403	1
U- 232 000 1897 ODS 02/08/65		138.000	0.6914	109,78282	105.98	110.48	18757 11965	0.0593	413 405	1
U- 232 000 1897 ODS 02/08/65		140.000	0.7389	106,66857	86.89	897.41	18786 12807	0.0601	409 401	1
U- 232 000 1897 ODS 02/08/65		142.000	0.8675	103,68498	40.83	415.72	18880 15110	0.0610	364 357	1
U- 232 000 1897 ODS 02/08/65		144.000	0.9355	100,82485	19.14	192.19	18584 16039	0.0618	375 368	1
U- 232 000 1897 ODS 02/08/65		146.000	0.9526	98,08144	13.94	138.10	18621 16364	0.0627	421 413	1
U- 232 000 1897 ODS 02/08/65		148.000	0.9428	95,44850	16.92	165.29	18644 16215	0.0636	401 393	1
U- 232 000 1897 ODS 02/08/65		150.000	0.9528	92,92018	13.89	133.91	16799 14766	0.0644	372 365	1
U- 232 000 1897 ODS 02/08/65		152.000	0.9454	90,49100	16.13	153.43	14901 12995	0.0653	370 362	1
U- 232 000 1897 ODS 02/08/65		154.000	0.9486	88,15584	15.15	142.24	17074 14941	0.0661	387 380	1
U- 232 000 1897 ODS 02/08/65		156.000	0.9448	85,90993	16.31	151.16	17570 15312	0.0670	360 353	1
U- 232 000 1897 ODS 02/08/65		158.000	0.9296	83,74876	20.97	191.90	18739 16068	0.0679	350 343	1
U- 232 000 1897 ODS 02/08/65		160.000	0.9228	81,66812	23.08	208.61	18893 16081	0.0687	353 356	1
U- 232 000 1897 ODS 02/08/65		162.000	0.8909	79,66407	33.16	295.99	19214 15790	0.0696	337 330	1
U- 232 000 1897 ODS 02/08/65		164.000	0.7544	77,73290	80.95	713.67	19219 13372	0.0704	349 342	1
U- 232 000 1897 ODS 02/08/65		166.000	0.4909	75,87510	204.33	779.79	18880 8548	0.0713	402 394	1
U- 232 000 1897 ODS 02/08/65		168.000	0.5838	74,07580	154.55	330.21	19151 10312	0.0722	373 365	1
U- 232 000 1897 ODS 02/08/65		170.000	0.8549	72,34270	45.03	383.03	19063 15030	0.0730	346 339	1
U- 232 000 1897 ODS 02/08/65		172.000	0.9208	70,67009	23.70	199.22	18947 16090	0.0739	429 421	1
U- 232 000 1897 ODS 02/08/65		174.000	0.9285	69,05483	21.30	177.00	18559 15893	0.0747	399 391	1
U- 232 000 1897 ODS 02/08/65		176.000	0.9489	67,49432	15.05	123.66	17404 15230	0.0756	459 450	1
U- 232 000 1897 ODS 02/08/65		178.000	0.9413	65,98611	17.37	141.13	18316 15899	0.0764	401 393	1
U- 232 000 1897 ODS 02/08/65		180.000	0.9218	64,52790	23.38	187.77	18899 16066	0.0773	442 433	1
U- 232 000 1897 ODS 02/08/65		182.000	0.9434	63,11750	16.75	133.04	18881 16425	0.0782	416 408	1
U- 232 000 1897 ODS 02/08/65		184.000	0.9199	61,75284	23.97	188.38	19132 16229	0.0790	400 392	1
U- 232 000 1897 ODS 02/08/65		186.000	0.8843	60,43196	35.33	274.64	19207 15661	0.0799	346 339	1
U- 232 000 1897 ODS 02/08/65		188.000	0.9114	59,15301	26.63	204.81	18877 15865	0.0807	421 412	1
U- 232 000 1897 ODS 02/08/65		190.000	0.9468	57,91424	15.70	119.50	18823 16433	0.0816	334 327	1
U- 232 000 1897 ODS 02/08/65		1								

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.	
U- 232 000 1897 ODS 02/08/65	202.000	0.9375	51,23772	18.53	132.65	18916	16350	0.0868	328	322	1
U- 232 000 1897 ODS 02/08/65	204.000	0.9423	50,23799	17.06	120.93	18760	16298	0.0876	335	328	1
U- 232 000 1897 ODS 02/08/65	206.000	0.9033	49,26723	29.20	204.92	19216	16003	0.0885	292	286	1
U- 232 000 1897 ODS 02/08/65	208.000	0.8357	48,32433	51.56	358.44	19221	14807	0.0893	304	298	1
U- 232 000 1897 ODS 02/08/65	210.000	0.8649	47,40825	41.70	287.12	18733	14935	0.0902	299	293	1
U- 232 000 1897 ODS 02/08/65	212.000	0.9231	46,51798	22.99	156.79	18732	15940	0.0910	253	248	1
U- 232 000 1897 ODS 02/08/65	214.000	0.9195	45,65255	24.11	162.93	19052	16149	0.0919	250	245	1
U- 232 000 1897 ODS 02/08/65	216.000	0.8441	44,81104	48.69	325.91	18894	14701	0.0928	248	243	1
U- 232 000 1897 ODS 02/08/65	218.000	0.6121	43,99259	140.99	935.13	18988	10713	0.0936	288	282	1
U- 232 000 1897 ODS 02/08/65	220.000	0.5662	43,19636	163.38	073.80	19140	9989	0.0945	273	268	1
U- 232 000 1897 ODS 02/08/65	222.000	0.8336	42,42156	52.27	340.46	19006	14604	0.0953	230	225	1
U- 232 000 1897 ODS 02/08/65	224.000	0.9288	41,66741	21.22	137.01	19216	16450	0.0962	262	257	1
U- 232 000 1897 ODS 02/08/65	226.000	0.9507	40,93320	14.51	92.83	19095	16732	0.0971	237	233	1
U- 232 000 1897 ODS 02/08/65	228.000	0.9550	40,21822	13.21	85.78	19061	16778	0.0979	195	191	1
U- 232 000 1897 ODS 02/08/65	230.000	0.9554	39,52184	13.12	82.46	19119	16834	0.0988	213	209	1
U- 232 000 1897 ODS 02/08/65	232.000	0.9464	38,84334	15.72	98.60	19087	16648	0.0996	228	224	1
U- 232 000 1897 ODS 02/08/65	234.000	0.9392	38,18219	18.02	111.35	19244	16657	0.1005	226	222	1
U- 232 000 1897 ODS 02/08/65	236.000	0.9504	37,53778	14.63	89.61	18900	16553	0.1014	182	179	1
U- 232 000 1897 ODS 02/08/65	238.000	0.9393	36,90954	17.99	109.32	19093	16527	0.1022	196	192	1
U- 232 000 1897 ODS 02/08/65	240.000	0.9331	36,29694	19.90	119.87	19171	16484	0.1031	172	168	1
U- 232 000 1897 ODS 02/08/65	242.000	0.9340	35,69947	19.61	117.18	18959	16318	0.1039	189	185	1
U- 232 000 1897 ODS 02/08/65	244.000	0.8522	35,11663	45.95	272.27	19030	14943	0.1048	204	200	1
U- 232 000 1897 ODS 02/08/65	246.000	0.7303	34,54795	90.28	530.65	18884	12708	0.1056	194	190	1
U- 232 000 1897 ODS 02/08/65	248.000	0.8429	33,99298	49.07	286.09	18883	14668	0.1065	178	175	1
U- 232 000 1897 ODS 02/08/65	250.000	0.9346	33,45126	19.44	112.41	18822	16209	0.1074	186	182	1
U- 232 000 1897 ODS 02/08/65	252.000	0.9530	32,92240	13.83	79.36	18534	16275	0.1082	204	200	1
U- 232 000 1897 ODS 02/08/65	254.000	0.9261	32,40598	22.05	125.51	18935	16158	0.1091	217	213	1
U- 232 000 1897 ODS 02/08/65	256.000	0.9230	31,90161	23.00	129.92	19048	16200	0.1099	183	179	1
U- 232 000 1897 ODS 02/08/65	258.000	0.9301	31,40893	20.81	116.65	18990	16274	0.1108	175	172	1
U- 232 000 1897 ODS 02/08/65	260.000	0.9363	30,92757	18.90	105.11	19040	16425	0.1117	189	185	1
U- 232 000 1897 ODS 02/08/65	262.000	0.9316	30,45720	20.36	112.38	18793	16129	0.1125	209	205	1
U- 232 000 1897 ODS 02/08/65	264.000	0.9301	29,99747	20.82	114.05	18807	16115	0.1134	221	216	1
U- 232 000 1897 ODS 02/08/65	266.000	0.9153	29,54808	25.43	138.25	18912	15947	0.1142	210	206	1
U- 232 000 1897 ODS 02/08/65	268.000	0.8997	29,10871	30.37	163.83	18973	15726	0.1151	195	191	1
U- 232 000 1897 ODS 02/08/65	270.000	0.8459	28,67907	48.06	257.38	18620	14511	0.1160	231	226	1
U- 232 000 1897 ODS 02/08/65	272.000	0.6489	28,25887	124.20	660.26	17745	10608	0.1168	175	171	1
U- 232 000 1897 ODS 02/08/65	274.000	0.4243	27,84783	246.24	299.46	16188	6327	0.1177	220	216	1
U- 232 000 1897 ODS 02/08/65	276.000	0.6443	27,44570	126.24	661.34	17147	10177	0.1185	221	217	1
U- 232 000 1897 ODS 02/08/65	278.000	0.8513	27,05222	46.24	240.50	18306	14355	0.1194	208	203	1
U- 232 000 1897 ODS 02/08/65	280.000	0.9023	26,66714	29.52	152.46	18673	15521	0.1203	235	231	1
U- 232 000 1897 ODS 02/08/65	282.000	0.8924	26,29023	32.70	167.64	19070	15676	0.1211	238	234	1
U- 232 000 1897 ODS 02/08/65	284.000	0.9169	25,92125	24.91	126.85	18842	15913	0.1220	208	204	1
U- 232 000 1897 ODS 02/08/65	286.000	0.8872	25,55998	34.37	173.76	18952	15406	0.1228	246	241	1
U- 232 000 1897 ODS 02/08/65	288.000	0.8733	25,20621	38.91	195.34	18911	15211	0.1237	210	206	1
U- 232 000 1897 ODS 02/08/65	290.000	0.8240	24,85974	55.58	277.14	18736	14220	0.1245	261	257	1
U- 232 000 1897 ODS 02/08/65	292.000	0.6461	24,52034	15.72	98.60	18834	11555	0.1254	250	245	1
U- 232 000 1897 ODS 02/08/65	294.000	0.4536	24,18788	298.60	468.57	18880	6148	0.1263	244	239	1
U- 232 000 1897 ODS 02/08/65	296.000	0.2123	23,86213	445.04	173.99	18891	3694	0.1271	244	239	1
U- 232 000 1897 ODS 02/08/65	298.000	0.4890	23,54290	205.44	996.83	19009	8561	0.1280	238	233	1
U- 232 000 1897 ODS 02/08/65	300.000	0.7726	23,23004	74.10	357.13	18863	13422	0.1288	272	267	1
U- 232 000 1897 ODS 02/08/65	302.000	0.8640	22,92338	41.97	200.97	19012	15128	0.1297	293	287	1
U- 232 000 1897 ODS 02/08/65	304.000	0.8987	22,62275	30.67	145.88	18762	15528	0.1306	312	306	1
U- 232 000 1897 ODS 02/08/65	306.000	0.9041	22,32799	28.97	136.88	18757	15616	0.1314	283	278	1
U- 232 000 1897 ODS 02/08/65	308.000	0.7878	21,89654	68.51	320.57	37319	27073	0.1327	649	636	2
U- 232 000 1897 ODS 02/08/65	312.000	0.5375	21,47748	178.31	826.36	18744	9277	0.1340	305	299	1
U- 232 000 1897 ODS 02/08/65	314.000	0.3669	21,20475	287.97	326.08	18591	6281	0.1349	342	335	1
U- 232 000 1897 ODS 02/08/65	316.000	0.3962	20,93719	265.90	210.47	18533	6761	0.1357	315	308	1
U- 232 000 1897 ODS 02/08/65	318.000	0.5614	20,67466	165.80	753.88	18624	9627	0.1366	341	334	1
U- 232 000 1897 ODS 02/08/65	320.000	0.6896	20,41703	106.72	482.24	18752	11907	0.1374	368	360	1
U- 232 000 1897 ODS 02/08/65	322.000	0.7711	20,16419	74.66	335.24	18690	13270	0.1383	338	331	1
U- 232 000 1897 ODS 02/08/65	324.000	0.8165	19,91602	58.21	259.76	18826	14154	0.1391	299	293	1
U- 232 000 1897 ODS 02/08/65	326.000	0.8546	19,67240	45.14	200.20	18329	14422	0.1400	357	350	1
U- 232 000 1897 ODS 02/08/65	328.000	0.8451	19,43322	48.34	213.11	18544	14428	0.1409	382	375	1
U- 232 000 1897 ODS 02/08/65	331.000	0.8660	19,08256	41.31	180.46	37066	29553	0.1422	679	665	2
U- 232 000 1897 ODS 02/08/65	334.000	0.8838	18,74130	35.49	153.62	18419	14986	0.1434	286	281	1
U- 232 000 1897 ODS 02/08/65	336.000	0.8864	18,51885	34.64	149.08	18347	14971	0.1443	294	288	1
U- 232 000 1897 ODS 02/08/65	339.000	0.8947	18,19253	31.97	136.35	36963	30444	0.1456	554	543	2
U- 232 000 1897 ODS 02/08/65	342.000	0.9149	17,87476	25.56	108.36	18350	15454	0.1469	242	237	1
U- 232 000 1897 ODS 02/08/65	345.000	0.9000	17,56525	30.26	126.82	37227	30842	0.1482	515	505	2
U- 232 000 1897 ODS 02/08/65	348.000	0.9056	17,26571	28.47	118.29	18496	15419	0.1495	287	281	1
U- 232 000 1897 ODS 02/08/65	351.000	0.8792	16,96986	36.98	152.34	37182	30090	0.1507	565	554	2
U- 232 000 1897 ODS 02/08/65	354.000	0.8982	16,68346	30.85	125.99	18462	15263	0.1520	255	250	1
U- 232 000 1897 ODS 02/08/65	357.000	0.8788	16,40424	37.10	150.27	37209	30170	0.1533	505	495	2
U- 232 000 1897 ODS 02/08/65	360.000	0.8686	16,13198	40.45	162.45	18693	14945	0.1546	262	257	1
U- 232 000 1897 ODS 02/08/65	363.000	0.8780	15,86643	37.36	148.83	37136	30009	0.1559	457	448	2
U- 232 000 1897 ODS 02/08/65	367.000	0.8574	15,52244	44.18	174.07	36685	28948	0.1576	500	490	2
U- 232 000 1897 ODS 02/08/65	371.000	0.8387	15,18954	50.51	194.86	37019	28573	0.1593	449	440	2
U- 232 000 1897 ODS 02/08/65	375.000	0.8139	14,86723	59.14	228.03	37088	27779	0.1610	504	494	2
U- 232 000 1897 ODS 02/08/65	379.000	0.7797	14,55506	71.47	272.65	37109	26625	0.1628	469	460	2
U- 232 000 1897 ODS 02/08/65	383.000	0.7318	14,25263	89.68	338.55	37042	24943	0.1645	438	429	2
U- 232 000 1897 ODS 02/08/65	386.000	0.6754	14,03195	112.70	422.18	18414	11444	0.1658	208	204	1
U- 232 000 1897 ODS 02/08/65	388.000	0.6486	13,88766	124.36	463.43	18453	11012	0.1666	212	208	1
U- 232 000 1897 ODS 02/08/65	390.000	0.5778	13,74559	157.55	584.12	18465	9816	0.1675	204	200	1
U- 232 000 1897 ODS 02/08/65	392.000	0.4953	13,60569	201.77	744.25	18391	8361	0.1684	203	199</	

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKG OPEN SAMPLE	NO. PTS AVE.	
U- 232 000 1897 ODS 02/08/65		426.000	0.8207	11.52055	56.75	192.63	18069	0.1830	151	148	1
U- 232 000 1897 ODS 02/08/65		428.000	0.8430	11.41314	49.04	165.68	18109	0.1838	122	120	1
U- 232 000 1897 ODS 02/08/65		430.000	0.8583	11.30721	43.89	147.59	18147	0.1847	173	170	1
U- 232 000 1897 ODS 02/08/65		432.000	0.8768	11.20276	37.77	126.40	18124	0.1855	167	164	1
U- 232 000 1897 ODS 02/08/65		435.000	0.8956	11.04877	31.68	105.29	18241	0.1868	295	289	2
U- 232 000 1897 ODS 02/08/65		439.000	0.9050	10.84835	28.67	94.44	18220	0.1885	290	284	2
U- 232 000 1897 ODS 02/08/65		443.000	0.9145	10.65332	25.68	83.83	18302	0.1903	297	292	2
U- 232 000 1897 ODS 02/08/65		447.000	0.9231	10.46351	22.99	74.35	18365	0.1920	246	241	2
U- 232 000 1897 ODS 02/08/65		451.000	0.9342	10.27873	19.56	62.71	18029	0.1937	220	216	2
U- 232 000 1897 ODS 02/08/65		456.000	0.9445	10.05456	16.39	51.97	18395	0.1958	359	352	3
U- 232 000 1897 ODS 02/08/65		461.000	0.9444	9.83763	16.42	51.51	18391	0.1980	291	285	2
U- 232 000 1897 ODS 02/08/65		465.000	0.9345	9.66911	19.46	60.51	18022	0.1997	214	210	2
U- 232 000 1897 ODS 02/08/65		470.000	0.9377	9.46448	18.47	56.81	18124	0.2018	344	337	3
U- 232 000 1897 ODS 02/08/65		475.000	0.9512	9.26628	14.36	43.71	18385	0.2040	236	232	2
U- 232 000 1897 ODS 02/08/65		480.000	0.9468	9.07424	15.69	47.27	18362	0.2061	359	352	3
U- 232 000 1897 ODS 02/08/65		486.000	0.9410	8.85156	17.47	51.97	18367	0.2087	366	359	3
U- 232 000 1897 ODS 02/08/65		492.000	0.9389	8.63699	18.11	53.23	18368	0.2113	365	358	3
U- 232 000 1897 ODS 02/08/65		498.000	0.9343	8.43012	19.52	56.67	18311	0.2139	343	336	3
U- 232 000 1897 ODS 02/08/65		502.000	0.9275	8.29631	21.61	62.26	18112	0.2156	108	108	1
U- 232 000 1897 ODS 02/08/65		504.000	0.9524	8.23060	14.00	40.16	17690	0.2165	106	104	1
U- 232 000 1897 ODS 02/08/65		506.000	0.9418	8.16566	17.22	49.21	17851	0.2173	105	103	1
U- 232 000 1897 ODS 02/08/65		508.000	0.9370	8.10149	18.70	53.22	17858	0.2182	106	104	1
U- 232 000 1897 ODS 02/08/65		510.000	0.9411	8.03888	17.42	49.39	17811	0.2190	107	105	1
U- 232 000 1897 ODS 02/08/65		512.000	0.9403	7.97540	17.68	49.93	17758	0.2199	109	106	1
U- 232 000 1897 ODS 02/08/65		514.000	0.9421	7.91344	17.13	48.18	17753	0.2207	110	108	1
U- 232 000 1897 ODS 02/08/65		516.000	0.9399	7.85223	17.79	49.05	17517	0.2216	112	109	1
U- 232 000 1897 ODS 02/08/65		518.000	0.9470	7.79171	15.65	43.67	17413	0.2225	112	110	1
U- 232 000 1897 ODS 02/08/65		520.000	0.9322	7.73189	20.16	56.07	17667	0.2233	112	110	1
U- 232 000 1897 ODS 02/08/65		522.000	0.9059	7.67276	28.38	78.61	17591	0.2242	111	109	1
U- 232 000 1897 ODS 02/08/65		524.000	0.8648	7.61430	41.72	115.14	17462	0.2250	109	107	1
U- 232 000 1897 ODS 02/08/65		526.000	0.8502	7.55651	46.60	128.09	17616	0.2259	108	106	1
U- 232 000 1897 ODS 02/08/65		528.000	0.8729	7.49937	39.03	106.89	17695	0.2268	107	105	1
U- 232 000 1897 ODS 02/08/65		530.000	0.8998	7.44288	30.31	82.88	17587	0.2276	106	104	1
U- 232 000 1897 ODS 02/08/65		532.000	0.9281	7.38702	21.44	58.26	17481	0.2285	107	104	1
U- 232 000 1897 ODS 02/08/65		534.000	0.9073	7.33178	27.95	75.63	17734	0.2293	107	105	1
U- 232 000 1897 ODS 02/08/65		536.000	0.9206	7.27718	23.77	64.13	17576	0.2302	108	106	1
U- 232 000 1897 ODS 02/08/65		538.000	0.9185	7.22317	24.43	65.66	17515	0.2311	108	106	1
U- 232 000 1897 ODS 02/08/65		540.000	0.9373	7.16977	18.60	49.81	17279	0.2319	108	106	1
U- 232 000 1897 ODS 02/08/65		542.000	0.9274	7.11695	21.66	57.78	17294	0.2328	108	105	1
U- 232 000 1897 ODS 02/08/65		544.000	0.9095	7.06472	27.26	72.44	17452	0.2336	106	104	1
U- 232 000 1897 ODS 02/08/65		547.000	0.8995	6.98744	30.43	80.44	17588	0.2349	206	201	2
U- 232 000 1897 ODS 02/08/65		551.000	0.9024	6.88635	29.51	77.43	17485	0.2366	195	191	2
U- 232 000 1897 ODS 02/08/65		555.000	0.8904	6.78745	33.33	86.83	17431	0.2384	188	184	2
U- 232 000 1897 ODS 02/08/65		559.000	0.8671	6.69066	40.95	105.92	17495	0.2401	184	180	2
U- 232 000 1897 ODS 02/08/65		563.000	0.8598	6.59593	43.39	111.44	17464	0.2418	182	179	2
U- 232 000 1897 ODS 02/08/65		567.000	0.8119	6.50319	59.86	152.65	17460	0.2435	180	176	2
U- 232 000 1897 ODS 02/08/65		571.000	0.7464	6.41240	84.00	212.70	17492	0.2452	178	174	2
U- 232 000 1897 ODS 02/08/65		574.000	0.6793	6.34554	111.07	279.79	17115	0.2465	88	86	1
U- 232 000 1897 ODS 02/08/65		576.000	0.6183	6.30155	138.08	346.63	17270	0.2474	88	86	1
U- 232 000 1897 ODS 02/08/65		578.000	0.5456	6.25802	174.01	435.32	16894	0.2482	87	86	1
U- 232 000 1897 ODS 02/08/65		580.000	0.4154	6.21493	252.29	628.95	17305	0.2491	87	85	1
U- 232 000 1897 ODS 02/08/65		582.000	0.2669	6.17229	379.39	942.56	17141	0.2499	86	84	1
U- 232 000 1897 ODS 02/08/65		584.000	0.1273	6.13009	592.02	1465.77	17270	0.2508	85	84	1
U- 232 000 1897 ODS 02/08/65		586.000	0.0445	6.08832	894.02	205.96	17117	0.2517	84	83	1
U- 232 000 1897 ODS 02/08/65		588.000	0.0200	6.04697	1124.19	764.45	17199	0.2525	83	82	1
U- 232 000 1897 ODS 02/08/65		590.000	0.0117	6.00604	1277.63	131.11	17294	0.2534	82	80	1
U- 232 000 1897 ODS 02/08/65		592.000	0.0084	5.96553	1372.55	352.39	17140	0.2542	81	79	1
U- 232 000 1897 ODS 02/08/65		594.000	0.0111	5.92543	1293.74	149.25	17303	0.2551	79	77	1
U- 232 000 1897 ODS 02/08/65		596.000	0.0331	5.88573	978.63	374.20	17255	0.2560	78	76	1
U- 232 000 1897 ODS 02/08/65		598.000	0.1239	5.84642	599.66	449.93	17082	0.2568	77	75	1
U- 232 000 1897 ODS 02/08/65		600.000	0.2549	5.80751	392.52	945.93	17000	0.2577	76	75	1
U- 232 000 1897 ODS 02/08/65		602.000	0.3927	5.76899	268.43	644.73	17238	0.2585	75	74	1
U- 232 000 1897 ODS 02/08/65		604.000	0.4912	5.73085	204.18	488.80	17237	0.2594	74	73	1
U- 232 000 1897 ODS 02/08/65		606.000	0.6018	5.69308	145.85	348.00	16971	0.2603	73	72	1
U- 232 000 1897 ODS 02/08/65		608.000	0.6588	5.65569	119.85	285.02	17036	0.2611	73	71	1
U- 232 000 1897 ODS 02/08/65		610.000	0.7143	5.61866	96.62	229.03	17014	0.2620	72	70	1
U- 232 000 1897 ODS 02/08/65		612.000	0.7653	5.58200	76.82	181.51	16799	0.2628	71	70	1
U- 232 000 1897 ODS 02/08/65		615.000	0.7961	5.52767	65.51	154.01	16936	0.2641	141	138	2
U- 232 000 1897 ODS 02/08/65		620.000	0.8503	5.43888	46.57	108.61	16901	0.2663	207	203	3
U- 232 000 1897 ODS 02/08/65		626.000	0.8727	5.33512	39.12	90.36	16926	0.2688	203	199	3
U- 232 000 1897 ODS 02/08/65		632.000	0.8901	5.23430	33.45	76.53	16010	0.2714	199	195	3
U- 232 000 1897 ODS 02/08/65		638.000	0.9026	5.13631	29.42	66.67	16092	0.2740	196	192	3
U- 232 000 1897 ODS 02/08/65		648.000	0.9124	4.97900	26.33	58.75	16038	0.2783	448	439	7
U- 232 000 1897 ODS 02/08/65		662.000	0.9307	4.77064	20.62	45.03	16448	0.2843	434	425	7
U- 232 000 1897 ODS 02/08/65		676.000	0.9334	4.57508	19.79	42.13	16177	0.2903	420	411	7
U- 232 000 1897 ODS 02/08/65		691.000	0.9399	4.37861	17.79	37.23	16056	0.2968	463	454	8
U- 232 000 1897 ODS 02/08/65		707.000	0.9384	4.18267	18.27	37.37	162715	0.3036	447	438	8
U- 232 000 1897 ODS 02/08/65		724.000	0.9345	3.98855	19.47	38.88	164136	0.3109	484	474	9
U- 232 000 1897 ODS 02/08/65		743.000	0.9432	3.78717	16.79	32.67	158570	0.3191	516	506	10
U- 232 000 1897 ODS 02/08/65		764.000	0.9472	3.58184	15.59	29.50	172201	0.3281	543	532	11
U- 232 000 1897 ODS 02/08/65		787.000	0.9460	3.37554	15.95	29.31	184750	0.3380	566	555	12
U- 232 000 1897 ODS 02/08/65		811.000	0.9492	3.17871	14.97	26.69	181214	0.3483	541	530	12
U- 232 000 1897 ODS 02/08/65		837.000	0.9410	2.98429	17.46	30.16	209072	0.3595	604	592	14
U- 232 000 1897 ODS 02/08/65		867.000	0.9395	2.78134	17.93	29.91	233824	0.3723	600	646	16
U- 232 000 1897 ODS 02/08/65		900.000	0.9405	2.58112	17.61	28.29	242836	0.3865	673	659	17
U- 232 000 1897 ODS 02/08/65		937.000	0.9361	2.38130	18.97	29.27	277180	0.4024	765	750	20
U- 232 000 1897 ODS 02/08/65		980.000	0.9362	2.17691	18.95	27.96	306838	0.4209	862	845	23
U- 232 000 1897 ODS 02/08/65		1029.000	0.7729	1.97452	73.97	103.94	331652	0.4419	977	957	26
U- 232 000 1897 ODS 02/08/65		1085.000	0.863								

RUN 1954

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC	COUNTS	FRAC.	FAST	BKGS	NO.	PTS
						ROOT E	OPEN	OF OCT	OPEN	SAMPLE	AVE.	
U 232 000 1954 ODS 02/03/65		332.000	0.8264	18,92986	54.75	238.19	19079	14517	0.0164	257	257	2
U 232 000 1954 ODS 02/03/65		348.000	0.8649	17,22920	41.67	172.96	19159	15254	0.0172	260	260	2
U 232 000 1954 ODS 02/03/65		364.000	0.8074	15,74783	61.45	243.84	19591	14558	0.0180	221	221	2
U 232 000 1954 ODS 02/03/65		380.000	0.6603	14,44962	119.19	453.06	19252	11698	0.0188	209	209	2
U 232 000 1954 ODS 02/03/65		396.000	0.3754	13,30556	281.40	026.45	19500	6734	0.0196	180	180	2
U 232 000 1954 ODS 02/03/65		412.000	0.4534	12,29219	227.14	796.57	19013	7930	0.0204	171	171	2
U 232 000 1954 ODS 02/03/65		428.000	0.7345	11,39032	88.61	299.07	19430	13126	0.0212	157	157	2
U 232 000 1954 ODS 02/03/65		444.000	0.8824	10,58419	35.94	116.92	19317	15675	0.0220	148	148	2
U 232 000 1954 ODS 02/03/65		460.000	0.9278	9,86070	21.53	67.61	19199	16425	0.0228	141	141	2
U 232 000 1954 ODS 02/03/65		476.000	0.9435	9,20894	16.70	50.68	19247	16750	0.0235	138	138	2
U 232 000 1954 ODS 02/03/65		492.000	0.9467	8,61972	15.73	46.17	19191	16769	0.0243	118	118	2
U 232 000 1954 ODS 02/03/65		508.000	0.9464	8,08530	15.83	45.02	19051	16646	0.0251	118	118	2
U 232 000 1954 ODS 02/03/65		524.000	0.9055	7,99908	28.52	78.61	19168	16015	0.0259	107	107	2
U 232 000 1954 ODS 02/03/65		540.000	0.8972	7,15543	31.17	83.37	19347	15986	0.0267	115	115	2
U 232 000 1954 ODS 02/03/65		556.000	0.8166	6,74954	58.20	151.20	19288	14298	0.0275	108	108	2
U 232 000 1954 ODS 02/03/65		572.000	0.5727	6,37722	160.11	404.32	19061	10032	0.0283	94	94	2
U 232 000 1954 ODS 02/03/65		588.000	0.3226	6,03488	324.88	798.11	19254	5721	0.0291	88	88	2
U 232 000 1954 ODS 02/03/65		604.000	0.5257	5,71939	184.70	441.71	19366	9382	0.0299	88	88	2
U 232 000 1954 ODS 02/03/65		620.000	0.7791	5,42800	71.67	166.98	19041	13682	0.0307	111	111	2
U 232 000 1954 ODS 02/03/65		636.000	0.8861	5,15833	34.72	78.85	19089	15592	0.0315	114	114	2
U 232 000 1954 ODS 02/03/65		652.000	0.9117	4,90827	26.54	58.79	19211	16139	0.0323	129	129	2
U 232 000 1954 ODS 02/03/65		668.000	0.9207	4,67596	23.73	51.30	19155	16246	0.0330	129	129	2
U 232 000 1954 ODS 02/03/65		684.000	0.9342	4,45976	19.56	41.31	18876	16252	0.0338	144	144	2
U 232 000 1954 ODS 02/03/65		700.000	0.9259	4,25821	22.10	45.61	18619	15898	0.0346	131	131	2
U 232 000 1954 ODS 02/03/65		716.000	0.9366	4,07003	20.66	41.68	18851	16183	0.0354	113	113	2
U 232 000 1954 ODS 02/03/65		732.000	0.9564	3,89405	12.81	25.27	18801	16583	0.0362	123	123	2
U 232 000 1954 ODS 02/03/65		748.000	0.9356	3,72924	19.11	36.91	18930	16290	0.0370	139	139	2
U 232 000 1954 ODS 02/03/65		772.000	0.9349	3,50097	19.35	36.20	37913	32581	0.0382	308	308	4
U 232 000 1954 ODS 02/03/65		796.000	0.9534	3,29304	13.69	24.85	18744	16464	0.0394	157	157	2
U 232 000 1954 ODS 02/03/65		812.000	0.9427	3,16455	16.96	30.17	18756	16304	0.0402	161	161	2
U 232 000 1954 ODS 02/03/65		828.000	0.9375	3,04343	18.53	32.33	19000	16429	0.0410	141	141	2
U 232 000 1954 ODS 02/03/65		852.000	0.9456	2,87438	16.07	27.24	37355	32584	0.0421	282	282	4
U 232 000 1954 ODS 02/03/65		876.000	0.9420	2,71904	17.17	28.31	18764	16304	0.0433	122	122	2
U 232 000 1954 ODS 02/03/65		892.000	0.9509	2,62237	14.46	23.42	19594	16308	0.0441	113	113	2
U 232 000 1954 ODS 02/03/65		916.000	0.9543	2,48675	13.44	21.19	37349	32825	0.0453	259	259	4
U 232 000 1954 ODS 02/03/65		940.000	0.9324	2,36139	20.09	30.88	18606	15859	0.0465	126	126	2
U 232 000 1954 ODS 02/03/65		964.000	0.9544	2,24527	13.39	20.07	36885	31883	0.0477	202	202	4
U 232 000 1954 ODS 02/03/65		988.000	0.9221	2,13752	23.28	34.03	18536	15660	0.0489	90	90	2
U 232 000 1954 ODS 02/03/65		1012.000	0.8932	2,03734	32.44	46.31	36934	30198	0.0501	149	149	4
U 232 000 1954 ODS 02/03/65		1036.000	0.7284	1,94403	91.01	126.90	18213	12697	0.0512	92	92	2
U 232 000 1954 ODS 02/03/65		1060.000	0.7356	1,85700	88.20	120.19	36867	24573	0.0524	146	146	4
U 232 000 1954 ODS 02/03/65		1084.000	0.8935	1,77568	32.34	43.09	18326	14733	0.0536	69	69	2
U 232 000 1954 ODS 02/03/65		1108.000	0.9315	1,69959	20.37	26.56	36550	30844	0.0548	126	126	4
U 232 000 1954 ODS 02/03/65		1140.000	0.9335	1,60551	19.77	25.06	36673	31206	0.0564	132	132	4
U 232 000 1954 ODS 02/03/65		1172.000	0.9271	1,51904	21.74	26.79	36597	31015	0.0580	133	133	4
U 232 000 1954 ODS 02/03/65		1196.000	0.9425	1,45868	17.02	20.56	18108	15621	0.0592	44	44	2
U 232 000 1954 ODS 02/03/65		1220.000	0.9376	1,40186	18.51	21.91	36479	31342	0.0603	115	115	4
U 232 000 1954 ODS 02/03/65		1252.000	0.9317	1,33111	20.33	23.46	36421	31129	0.0619	106	106	4
U 232 000 1954 ODS 02/03/65		1284.000	0.9286	1,26559	21.26	23.92	36503	31120	0.0635	104	104	4
U 232 000 1954 ODS 02/03/65		1316.000	0.9336	1,20479	19.74	21.66	36126	30975	0.0651	98	98	4
U 232 000 1954 ODS 02/03/65		1348.000	0.9476	1,14827	15.46	16.57	35865	31221	0.0667	94	94	4
U 232 000 1954 ODS 02/03/65		1380.000	0.9320	1,09563	20.23	21.18	36252	31046	0.0683	104	104	4
U 232 000 1954 ODS 02/03/65		1420.000	0.9231	1,03478	22.99	23.39	35851	45685	0.0702	161	161	6
U 232 000 1954 ODS 02/03/65		1460.000	0.9319	0,97885	20.26	20.05	35948	30792	0.0722	102	102	4
U 232 000 1954 ODS 02/03/65		1492.000	0.9281	0,93732	21.42	20.73	35951	30671	0.0738	133	133	4
U 232 000 1954 ODS 02/03/65		1524.000	0.9278	0,89837	21.52	20.40	35522	30294	0.0754	122	122	4
U 232 000 1954 ODS 02/03/65		1564.000	0.9220	0,85300	23.31	21.53	53732	45539	0.0774	142	142	6
U 232 000 1954 ODS 02/03/65		1604.000	0.9211	0,81099	23.60	21.25	35670	30199	0.0793	108	108	4
U 232 000 1954 ODS 02/03/65		1644.000	0.9264	0,77200	21.96	19.29	53175	45271	0.0813	170	170	6
U 232 000 1954 ODS 02/03/65		1684.000	0.9296	0,73577	20.98	17.99	35367	30209	0.0833	104	104	4
U 232 000 1954 ODS 02/03/65		1724.000	0.9119	0,70202	26.48	22.18	53070	44462	0.0853	146	146	6
U 232 000 1954 ODS 02/03/65		1772.000	0.9134	0,66450	26.01	21.20	52902	44383	0.0877	138	138	6
U 232 000 1954 ODS 02/03/65		1812.000	0.9182	0,63549	24.51	19.54	35134	29624	0.0896	98	98	4
U 232 000 1954 ODS 02/03/65		1852.000	0.9159	0,60833	25.24	19.69	52642	44265	0.0916	135	135	6
U 232 000 1954 ODS 02/03/65		1900.000	0.9078	0,57798	27.78	21.12	52611	43836	0.0940	115	115	6
U 232 000 1954 ODS 02/03/65		1948.000	0.9153	0,54985	25.41	18.84	52587	44164	0.0964	133	133	6
U 232 000 1954 ODS 02/03/65		2006.000	0.9163	0,52372	25.10	18.17	52939	43736	0.0987	106	106	6
U 232 000 1954 ODS 02/03/65		2044.000	0.9034	0,49942	29.16	20.61	52980	43887	0.1011	120	120	6
U 232 000 1954 ODS 02/03/65		2092.000	0.9116	0,47676	26.58	18.35	52883	44188	0.1035	124	124	6
U 232 000 1954 ODS 02/03/65		2148.000	0.9028	0,45223	29.35	19.74	70406	58241	0.1063	149	149	8
U 232 000 1954 ODS 02/03/65		2204.000	0.9099	0,42954	27.11	17.77	52572	43813	0.1090	102	102	6
U 232 000 1954 ODS 02/03/65		2252.000	0.8928	0,41142	32.56	20.88	53101	43408	0.1114	93	93	6
U 232 000 1954 ODS 02/03/65		2308.000	0.8990	0,39170	30.58	19.14	70434	57955	0.1142	131	131	8
U 232 000 1954 ODS 02/03/65		2372.000	0.8855	0,37085	34.91	21.26	70646	57235	0.1173	155	155	8
U 232 000 1954 ODS 02/03/65		2428.000	0.8920	0,35394	32.81	19.52	53270	43459	0.1201	100	100	6
U 232 000 1954 ODS 02/03/65		2484.000	0.8914	0,33816	33.01	19.19	71233	58054	0.1229	153	153	8
U 232 000 1954 ODS 02/03/65		2548.000	0.8801	0,32138	36.69	20.80	72065	57961	0.1260	169	169	8
U 232 000 1954 ODS 02/03/65		2612.000	0.8687	0,30583	40.41	22.35	73786	58558	0.1292	196	196	8
U 232 000 1954 ODS 02/03/65		2676.000	0.8788	0,29137	37.10	20.03	79036	60217	0.1324	180	180	8
U 232 000 1954 ODS 02/03/65		2740.000	0.8687	0,27792	40.43	21.31	77168	61190	0.1355	191	191	8

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.
U 232 000 1954 ODS 02/03/65	2804.000	0.8622	0.26538	42.59	21.94	80514	63340	0.1387	190	190
U 232 000 1954 ODS 02/03/65	2876.000	0.8591	0.25226	43.63	21.91	106622	83540	0.1423	211	211
U 232 000 1954 ODS 02/03/65	2948.000	0.8589	0.24009	43.69	21.41	90595	70936	0.1458	202	202
U 232 000 1954 ODS 02/03/65	3100.000	0.8525	0.21712	45.85	21.36	135429	105155	0.1533	212	212
U 232 000 1954 ODS 02/03/65	3180.000	0.8424	0.20633	49.27	22.38	151737	116369	0.1573	222	222
U 232 000 1954 ODS 02/03/65	3260.000	0.8442	0.19633	48.65	21.55	168099	129141	0.1613	211	211
U 232 000 1954 ODS 02/03/65	3340.000	0.8343	0.18704	52.01	22.50	186853	141818	0.1652	174	174
U 232 000 1954 ODS 02/03/65	3420.000	0.8300	0.17839	53.51	22.60	209509	158123	0.1692	186	186
U 232 000 1954 ODS 02/03/65	3500.000	0.8223	0.17033	56.18	23.19	234379	175203	0.1731	177	177
U 232 000 1954 ODS 02/03/65	3588.000	0.8177	0.16208	57.81	23.27	316928	235499	0.1775	185	185
U 232 000 1954 ODS 02/03/65	3676.000	0.8154	0.15441	58.62	23.03	293843	217647	0.1818	161	161
U 232 000 1954 ODS 02/03/65	3764.000	0.8120	0.14727	59.80	22.95	387553	285755	0.1862	218	218
U 232 000 1954 ODS 02/03/65	3860.000	0.8091	0.14004	60.82	22.76	425714	312610	0.1909	204	204
U 232 000 1954 ODS 02/03/65	3956.000	0.8002	0.13332	64.03	23.38	469158	340495	0.1957	171	171
U 232 000 1954 ODS 02/03/65	4052.000	0.7929	0.12708	66.64	23.76	509870	366480	0.2004	164	164
U 232 000 1954 ODS 02/03/65	4148.000	0.7881	0.12127	68.40	23.82	546151	389944	0.2052	178	178
U 232 000 1954 ODS 02/03/65	4252.000	0.7860	0.11541	69.88	23.74	680380	483006	0.2103	208	208
U 232 000 1954 ODS 02/03/65	4356.000	0.7787	0.10996	71.82	23.82	616717	434604	0.2155	172	172
U 232 000 1954 ODS 02/03/65	4460.000	0.7764	0.10489	72.66	23.54	752772	528584	0.2206	203	203
U 232 000 1954 ODS 02/03/65	4572.000	0.7660	0.09982	76.55	24.19	789500	546604	0.2262	201	201
U 232 000 1954 ODS 02/03/65	4684.000	0.7658	0.09510	76.62	23.63	815193	563851	0.2317	190	190
U 232 000 1954 ODS 02/03/65	4804.000	0.7580	0.09041	79.59	23.93	964899	660031	0.2376	216	216
U 232 000 1954 ODS 02/03/65	4924.000	0.7554	0.08606	80.56	23.63	858393	584751	0.2436	195	195
U 232 000 1954 ODS 02/03/65	5044.000	0.7464	0.08201	84.02	24.06	1000662	673001	0.2495	206	206
U 232 000 1954 ODS 02/03/65	5172.000	0.7393	0.07800	86.73	24.22	1001241	666457	0.2558	185	185
U 232 000 1954 ODS 02/03/65	5300.000	0.7326	0.07428	89.36	24.36	996876	656666	0.2622	183	183
U 232 000 1954 ODS 02/03/65	5428.000	0.7277	0.07082	91.29	24.29	990768	647855	0.2685	178	178
U 232 000 1954 ODS 02/03/65	5564.000	0.7213	0.06740	93.83	24.36	1093156	707804	0.2752	212	212
U 232 000 1954 ODS 02/03/65	5700.000	0.7146	0.06422	96.50	24.45	955820	612543	0.2820	190	190
U 232 000 1954 ODS 02/03/65	5836.000	0.7071	0.06126	99.54	24.64	1053983	667680	0.2887	179	179
U 232 000 1954 ODS 02/03/65	5980.000	0.7000	0.05835	102.43	24.74	1004711	629445	0.2958	209	209
U 232 000 1954 ODS 02/03/65	6132.000	0.6933	0.05549	105.20	24.78	1063479	659163	0.3033	217	217
U 232 000 1954 ODS 02/03/65	6284.000	0.6830	0.05284	109.48	25.17	917742	559811	0.3108	189	189
U 232 000 1954 ODS 02/03/65	6436.000	0.6769	0.05037	112.09	25.16	959102	579441	0.3184	231	231
U 232 000 1954 ODS 02/03/65	6596.000	0.6694	0.04796	115.29	25.25	895515	534043	0.3263	216	216
U 232 000 1954 ODS 02/03/65	6764.000	0.6592	0.04561	119.70	25.56	906739	531748	0.3346	221	221
U 232 000 1954 ODS 02/03/65	6932.000	0.6538	0.04342	122.04	25.43	795814	462254	0.3429	219	219
U 232 000 1954 ODS 02/03/65	7100.000	0.6468	0.04139	125.12	25.46	818032	469427	0.3512	212	212
U 232 000 1954 ODS 02/03/65	7276.000	0.6399	0.03941	128.20	25.45	743793	421669	0.3599	210	210
U 232 000 1954 ODS 02/03/65	7452.000	0.6328	0.03757	131.44	25.48	681187	381290	0.3686	245	245
U 232 000 1954 ODS 02/03/65	7636.000	0.6236	0.03578	135.64	25.66	664775	366156	0.3777	254	254
U 232 000 1954 ODS 02/03/65	7828.000	0.6162	0.03405	139.04	25.66	627794	341186	0.3872	222	222
U 232 000 1954 ODS 02/03/65	8020.000	0.6119	0.03244	141.07	25.41	572029	308221	0.3967	253	253
U 232 000 1954 ODS 02/03/65	8220.000	0.5996	0.03088	146.89	25.81	550309	290108	0.4066	242	242
U 232 000 1954 ODS 02/03/65	8428.000	0.5952	0.02937	148.99	25.54	510660	266730	0.4169	273	273
U 232 000 1954 ODS 02/03/65	8636.000	0.5822	0.02798	155.37	25.99	446078	227370	0.4272	233	233
U 232 000 1954 ODS 02/03/65	8844.000	0.5772	0.02668	157.85	25.78	381442	192319	0.4375	264	264
U 232 000 1954 ODS 02/03/65	9060.000	0.5647	0.02542	164.11	26.17	356263	175335	0.4482	259	259
U 232 000 1954 ODS 02/03/65	9284.000	0.5584	0.02421	167.32	26.03	334582	162457	0.4592	263	263
U 232 000 1954 ODS 02/03/65	9516.000	0.5504	0.02303	171.51	26.03	317707	151666	0.4707	285	285
U 232 000 1954 ODS 02/03/65	9756.000	0.5488	0.02192	172.32	25.51	267264	126912	0.4826	285	285
U 232 000 1954 ODS 02/03/65	9996.000	0.5433	0.02088	175.24	25.32	221773	103983	0.4945	308	308
U 232 000 1954 ODS 02/03/65	10236.000	0.5201	0.01991	187.77	26.50	191962	85927	0.5063	293	293
U 232 000 1954 ODS 02/03/65	10484.000	0.5172	0.01898	189.33	26.09	181238	80399	0.5186	268	268
U 232 000 1954 ODS 02/03/65	10748.000	0.5099	0.01806	193.46	26.00	160428	69875	0.5317	300	300
U 232 000 1954 ODS 02/03/65	11020.000	0.5045	0.01718	196.52	25.76	136373	58524	0.5451	339	339
U 232 000 1954 ODS 02/03/65	11292.000	0.5060	0.01638	195.63	25.03	112751	48337	0.5586	341	341
U 232 000 1954 ODS 02/03/65	11564.000	0.4929	0.01560	203.19	25.38	93909	39049	0.5720	307	307
U 232 000 1954 ODS 02/03/65	11844.000	0.4901	0.01487	204.79	24.98	88201	36306	0.5859	322	322
U 232 000 1954 ODS 02/03/65	12140.000	0.4784	0.01416	211.75	25.19	79792	31891	0.6005	370	370
U 232 000 1954 ODS 02/03/65	12444.000	0.4712	0.01347	216.12	25.09	72165	28245	0.6156	340	340
U 232 000 1954 ODS 02/03/65	12748.000	0.4606	0.01284	222.64	25.23	59934	22801	0.6306	350	350
U 232 000 1954 ODS 02/03/65	13060.000	0.4538	0.01223	226.92	25.10	50015	18633	0.6460	399	399
U 232 000 1954 ODS 02/03/65	13388.000	0.4337	0.01164	239.94	25.89	39133	13843	0.6623	434	434
U 232 000 1954 ODS 02/03/65	13724.000	0.4374	0.01108	237.51	25.00	26747	9478	0.6789	432	432
U 232 000 1954 ODS 02/03/65	14060.000	0.4381	0.01055	237.06	24.35	17310	6101	0.6955	440	440
U 232 000 1954 ODS 02/03/65	14404.000	0.3961	0.01006	265.97	26.67	11717	3935	0.7125	475	475

RUN 1958

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,
U- 232 000 1958 ODS 02/08/65		26,000	0,9587	3092,75739	24,54	1364,75	72474 64435	0,0098	21948	21729	2
U- 232 000 1958 ODS 02/08/65		28,000	0,9442	2666,71426	33,36	1722,62	68155 59682	0,0105	19475	19280	2
U- 232 000 1958 ODS 02/08/65		30,000	0,9559	2323,00443	26,22	1263,80	68196 60453	0,0113	16346	16182	2
U- 232 000 1958 ODS 02/08/65		32,000	0,9457	2041,70313	32,43	1465,40	72375 63475	0,0120	12994	12864	2
U- 232 000 1958 ODS 02/08/65		34,000	0,9539	1808,56746	24,10	1024,86	73878 65727	0,0128	12263	12140	2
U- 232 000 1958 ODS 02/08/65		36,000	0,9539	1613,19753	27,44	1102,07	74050 65501	0,0135	10977	10867	2
U- 232 000 1958 ODS 02/08/65		38,000	0,9474	1447,85594	31,43	1195,95	73987 64997	0,0143	9461	9366	2
U- 232 000 1958 ODS 02/08/65		40,000	0,9550	1306,68999	26,79	968,44	72082 63829	0,0150	8362	8278	2
U- 232 000 1958 ODS 02/08/65		42,000	0,9509	1185,20634	29,25	1006,84	70169 61872	0,0158	7788	7710	2
U- 232 000 1958 ODS 02/08/65		44,000	0,9523	1079,90909	28,40	933,26	69886 61711	0,0165	6685	6618	2
U- 232 000 1958 ODS 02/08/65		46,000	0,9498	988,04536	29,94	941,13	71559 63020	0,0173	5721	5664	2
U- 232 000 1958 ODS 02/08/65		48,000	0,9614	907,42361	22,91	690,13	70382 62736	0,0180	5603	5547	2
U- 232 000 1958 ODS 02/08/65		50,000	0,9646	836,28159	20,97	606,54	70115 62705	0,0188	5737	5680	2
U- 232 000 1958 ODS 02/08/65		52,000	0,9618	773,18935	22,61	628,80	69329 61827	0,0195	5079	5028	2
U- 232 000 1958 ODS 02/08/65		54,000	0,9417	716,97668	34,89	934,27	69916 61046	0,0203	4820	4772	2
U- 232 000 1958 ODS 02/08/65		56,000	0,9359	666,67857	38,49	993,90	70537 61207	0,0210	3993	3954	2
U- 232 000 1958 ODS 02/08/65		58,000	0,9408	621,49345	35,48	884,63	70282 61301	0,0218	4200	4158	2
U- 232 000 1958 ODS 02/08/65		60,000	0,9453	580,75111	32,69	787,75	69827 61197	0,0225	3779	3741	2
U- 232 000 1958 ODS 02/08/65		62,000	0,9530	543,88761	27,99	652,73	68246 60296	0,0233	3956	3917	2
U- 232 000 1958 ODS 02/08/65		64,000	0,9338	510,42578	39,81	899,44	67943 58819	0,0240	3843	3804	2
U- 232 000 1958 ODS 02/08/65		66,000	0,9530	479,95959	28,01	613,69	66962 59156	0,0248	3381	3347	2
U- 232 000 1958 ODS 02/08/65		68,000	0,9310	452,14186	41,55	883,90	65782 56775	0,0255	3329	3296	2
U- 232 000 1958 ODS 02/08/65		70,000	0,9400	426,67428	35,98	743,11	62829 54748	0,0263	2940	2910	2
U- 232 000 1958 ODS 02/08/65		72,000	0,9465	403,29938	31,94	641,49	56866 49897	0,0270	3063	3032	2
U- 232 000 1958 ODS 02/08/65		74,000	0,9581	381,79401	24,88	486,06	53242 47287	0,0278	2814	2786	2
U- 232 000 1958 ODS 02/08/65		76,000	0,9487	361,96399	30,60	582,18	43483 38241	0,0286	2580	2554	2
U- 232 000 1958 ODS 02/08/65		78,000	0,9449	343,63971	32,97	611,10	34829 30506	0,0293	2504	2479	2
U- 232 000 1958 ODS 02/08/65		80,000	0,9374	326,67250	37,56	678,83	43070 37425	0,0301	2456	2431	2
U- 232 000 1958 ODS 02/08/65		82,000	0,9335	310,93159	40,00	705,32	54997 47589	0,0308	2780	2752	2
U- 232 000 1958 ODS 02/08/65		84,000	0,9460	296,30159	32,29	555,91	60096 52694	0,0316	3030	2999	2
U- 232 000 1958 ODS 02/08/65		86,000	0,9609	282,68037	23,21	390,31	62997 56106	0,0323	3084	3053	2
U- 232 000 1958 ODS 02/08/65		88,000	0,9262	269,97727	44,56	732,10	64932 59744	0,0331	3593	3557	2
U- 232 000 1958 ODS 02/08/65		90,000	0,8968	258,11160	63,32	1017,28	67218 59873	0,0338	3698	3661	2
U- 232 000 1958 ODS 02/08/65		92,000	0,9244	247,01134	45,68	717,87	66537 57011	0,0346	4007	3967	2
U- 232 000 1958 ODS 02/08/65		94,000	0,9533	236,61204	27,80	427,59	64949 57387	0,0353	4331	4288	2
U- 232 000 1958 ODS 02/08/65		96,000	0,9544	226,85590	27,13	408,52	64664 57643	0,0361	4454	4409	2
U- 232 000 1958 ODS 02/08/65		98,000	0,9382	217,60996	37,08	547,08	66693 57093	0,0368	4315	4272	2
U- 232 000 1958 ODS 02/08/65		100,000	0,9392	209,07040	36,46	527,20	66593 57967	0,0376	4682	4793	2
U- 232 000 1958 ODS 02/08/65		102,000	0,9283	200,95194	43,26	613,23	66597 57296	0,0383	4495	4450	2
U- 232 000 1958 ODS 02/08/65		104,000	0,8935	193,29734	65,48	910,38	65741 54437	0,0391	4564	4518	2
U- 232 000 1958 ODS 02/08/65		106,000	0,8846	186,07191	71,27	972,22	67664 55473	0,0398	4304	4261	2
U- 232 000 1958 ODS 02/08/65		108,000	0,9360	179,24417	38,47	515,08	67329 58402	0,0406	4537	4491	2
U- 232 000 1958 ODS 02/08/65		110,000	0,9526	172,78545	28,23	371,13	66252 58488	0,0413	4221	4178	2
U- 232 000 1958 ODS 02/08/65		112,000	0,9448	166,66964	33,01	426,12	65044 56951	0,0421	4337	4293	2
U- 232 000 1958 ODS 02/08/65		114,000	0,9048	160,87288	58,16	737,64	66464 55730	0,0428	3997	3957	2
U- 232 000 1958 ODS 02/08/65		116,000	0,8916	155,37336	66,70	831,42	66167 54670	0,0436	4057	4017	2
U- 232 000 1958 ODS 02/08/65		118,000	0,9000	150,15111	61,23	750,28	65498 54628	0,0443	3953	3913	2
U- 232 000 1958 ODS 02/08/65		120,000	0,8519	145,18778	93,14	1122,32	63960 50495	0,0451	3646	3610	2
U- 232 000 1958 ODS 02/08/65		122,000	0,9054	140,46654	57,80	685,03	62770 52661	0,0458	3557	3521	2
U- 232 000 1958 ODS 02/08/65		124,000	0,9184	135,97190	49,47	576,90	62915 53544	0,0466	3393	3359	2
U- 232 000 1958 ODS 02/08/65		126,000	0,8427	131,68959	99,50	1141,81	62153 48533	0,0473	3163	3131	2
U- 232 000 1958 ODS 02/08/65		128,000	0,8674	127,60645	82,72	934,47	62006 49835	0,0481	2801	2773	2
U- 232 000 1958 ODS 02/08/65		130,000	0,9243	123,71030	45,73	508,65	59872 51281	0,0488	2677	2650	2
U- 232 000 1958 ODS 02/08/65		132,000	0,9576	119,98990	25,19	275,90	59832 53090	0,0496	2379	2355	2
U- 232 000 1958 ODS 02/08/65		134,000	0,9131	116,43484	52,83	570,11	65017 55010	0,0503	2242	2220	2
U- 232 000 1958 ODS 02/08/65		136,000	0,8794	113,03547	74,74	794,60	65834 53641	0,0511	2030	2010	2
U- 232 000 1958 ODS 02/08/65		138,000	0,7939	109,78282	134,18	1405,92	66277 48752	0,0518	1989	1969	2
U- 232 000 1958 ODS 02/08/65		140,000	0,8118	106,66857	121,23	1252,04	66725 50187	0,0526	1677	1660	2
U- 232 000 1958 ODS 02/08/65		142,000	0,9004	103,68498	60,96	620,69	66406 55403	0,0533	1801	1783	2
U- 232 000 1958 ODS 02/08/65		144,000	0,9595	100,82485	24,03	241,27	64661 57485	0,0541	1622	1606	2
U- 232 000 1958 ODS 02/08/65		146,000	0,9751	98,08144	14,66	145,21	66050 59672	0,0548	1499	1484	2
U- 232 000 1958 ODS 02/08/65		148,000	0,9662	95,44850	19,99	195,28	65842 58941	0,0556	1459	1445	2
U- 232 000 1958 ODS 02/08/65		150,000	0,9805	92,92018	11,47	110,55	60656 55100	0,0563	1440	1425	2
U- 232 000 1958 ODS 02/08/65		152,000	0,9791	90,49100	12,26	116,60	53362 48408	0,0571	1397	1383	2
U- 232 000 1958 ODS 02/08/65		154,000	0,9753	88,15584	14,55	136,58	59528 53788	0,0579	1329	1316	2
U- 232 000 1958 ODS 02/08/65		156,000	0,9630	85,90993	21,90	202,96	62054 55365	0,0586	1289	1277	2
U- 232 000 1958 ODS 02/08/65		158,000	0,9747	83,74876	14,88	136,18	64271 58039	0,0594	1183	1171	2
U- 232 000 1958 ODS 02/08/65		160,000	0,9597	81,66812	23,89	215,92	66513 59138	0,0601	1195	1183	2
U- 232 000 1958 ODS 02/08/65		162,000	0,9350	79,66407	39,06	348,63	67508 58477	0,0609	1189	1177	2
U- 232 000 1958 ODS 02/08/65		164,000	0,8635	77,73290	85,30	752,05	67016 53611	0,0616	1119	1108	2
U- 232 000 1958 ODS 02/08/65		166,000	0,6724	75,87110	230,76	2009,99	66889 41663	0,0624	1158	1147	2
U- 232 000 1958 ODS 02/08/65		168,000	0,6864	74,07540	218,74	1882,60	67161 42706	0,0631	1056	1045	2
U- 232 000 1958 ODS 02/08/65		170,000	0,8819	72,34270	73,04	621,24	67625 55249	0,0639	1135	1124	2
U- 232 000 1958 ODS 02/08/65		172,000	0,9521	70,67009	28,50	239,61	66749 58875	0,0646	1190	1178	2
U- 232 000 1958 ODS 02/08/65		174,000	0,9606	69,05483	23,35	194,04	65274 58085	0,0654	1120	1109	2
U- 232 000 1958 ODS 02/08/65		176,000	0,9747	67,49432	14,90	122,37	61658 55671	0,0661	1202	1190	2
U- 232 000 1958 ODS 02/08/65		178,000	0,9760	65,98611	14,11	114,62	64325 58157	0,0669	1152	1141	2
U- 232 000 1958 ODS 02/08/65		180,000	0,9700	64,52790	17,71	142,26	65664 59001	0,0676	1184	1172	2
U- 232 000 1958 ODS 02/08/65		182,000	0,9754	63,11750	14,47	114,99	66266 59873	0,0684	1127	1115	2
U- 232 000 1958 ODS 02/08/65		184,000	0,9682	61,75284	18,76	147,40	66680 59804	0,0691	1203	1191	2

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
U- 232 000 1958 ODS 02/08/65		186,000	0,9512	60,43196	29,10	226,22	67893 59817	0,0699	1234	1221	2
U- 232 000 1958 ODS 02/08/65		188,000	0,9502	59,15301	29,67	228,17	67832 59705	0,0706	1326	1313	2
U- 232 000 1958 ODS 02/08/65		190,000	0,9597	57,91424	23,94	182,19	67040 59591	0,0714	1293	1280	2
U- 232 000 1958 ODS 02/08/65		192,000	0,9634	56,71398	21,65	163,02	66386 59242	0,0721	1313	1300	2
U- 232 000 1958 ODS 02/08/65		194,000	0,9684	55,55064	18,65	139,01	66966 60067	0,0729	1418	1404	2
U- 232 000 1958 ODS 02/08/65		196,000	0,9462	54,42274	32,12	236,94	66418 58211	0,0736	1402	1388	2
U- 232 000 1958 ODS 02/08/65		198,000	0,8891	53,32884	68,32	498,93	67240 55373	0,0744	1364	1350	2
U- 232 000 1958 ODS 02/08/65		200,000	0,8903	52,26760	67,55	488,34	66904 55169	0,0751	1376	1363	2
U- 232 000 1958 ODS 02/08/65		202,000	0,9507	51,23772	29,37	210,24	67381 59333	0,0759	1302	1289	2
U- 232 000 1958 ODS 02/08/65		204,000	0,9649	50,23799	20,76	147,18	66975 59854	0,0766	1339	1326	2
U- 232 000 1958 ODS 02/08/65		206,000	0,9584	49,26723	24,67	173,19	66476 59009	0,0774	1344	1331	2
U- 232 000 1958 ODS 02/08/65		208,000	0,9162	48,32433	50,88	353,68	66269 56232	0,0781	1334	1320	2
U- 232 000 1958 ODS 02/08/65		210,000	0,9314	47,40825	41,30	284,40	66492 57357	0,0789	1285	1272	2
U- 232 000 1958 ODS 02/08/65		212,000	0,9547	46,51798	26,94	183,75	67904 58714	0,0796	1266	1254	2
U- 232 000 1958 ODS 02/08/65		214,000	0,9244	45,65255	32,18	217,46	66801 58934	0,0804	1260	1247	2
U- 232 000 1958 ODS 02/08/65		216,000	0,9115	44,81104	53,87	360,61	66241 55917	0,0811	1285	1272	2
U- 232 000 1958 ODS 02/08/65		218,000	0,7471	43,99259	169,46	1123,99	67838 46938	0,0819	1195	1183	2
U- 232 000 1958 ODS 02/08/65		220,000	0,6707	43,19636	232,16	1525,83	66842 41520	0,0826	1095	1084	2
U- 232 000 1958 ODS 02/08/65		222,000	0,8498	42,42156	94,62	616,28	67021 52743	0,0834	1045	1034	2
U- 232 000 1958 ODS 02/08/65		224,000	0,9381	41,66741	37,13	239,67	66756 57995	0,0841	1151	1139	2
U- 232 000 1958 ODS 02/08/65		226,000	0,9727	40,93320	16,09	102,95	66954 60310	0,0849	1136	1125	2
U- 232 000 1958 ODS 02/08/65		228,000	0,9798	40,21822	11,89	75,38	66164 60031	0,0857	1075	1064	2
U- 232 000 1958 ODS 02/08/65		230,000	0,9726	39,52181	16,12	101,35	66606 59993	0,0864	1007	997	2
U- 232 000 1958 ODS 02/08/65		232,000	0,9861	38,84334	8,11	50,55	66376 60615	0,0872	975	965	2
U- 232 000 1958 ODS 02/08/65		234,000	0,9819	38,18219	10,63	65,71	67287 61179	0,0879	999	989	2
U- 232 000 1958 ODS 02/08/65		236,000	0,9651	37,53778	20,65	126,54	67448 60277	0,0887	1016	1006	2
U- 232 000 1958 ODS 02/08/65		238,000	0,9650	36,90954	20,70	125,75	66654 59562	0,0894	951	941	2
U- 232 000 1958 ODS 02/08/65		240,000	0,9671	36,29694	19,44	117,14	66231 59312	0,0902	979	969	2
U- 232 000 1958 ODS 02/08/65		242,000	0,9684	35,69947	18,65	111,44	66781 59885	0,0909	950	940	2
U- 232 000 1958 ODS 02/08/65		244,000	0,9230	35,11663	46,60	276,17	66818 57104	0,0917	895	886	2
U- 232 000 1958 ODS 02/08/65		246,000	0,8475	34,54795	96,20	565,44	66800 55420	0,0924	779	771	2
U- 232 000 1958 ODS 02/08/65		248,000	0,8908	33,99298	67,24	392,04	66967 55234	0,0932	871	863	2
U- 232 000 1958 ODS 02/08/65		250,000	0,9556	33,45126	26,39	152,62	66924 59217	0,0939	848	840	2
U- 232 000 1958 ODS 02/08/65		252,000	0,9651	32,92240	20,66	118,56	67564 60374	0,0947	766	758	2
U- 232 000 1958 ODS 02/08/65		254,000	0,9614	32,40598	22,90	130,34	66862 59517	0,0954	771	763	2
U- 232 000 1958 ODS 02/08/65		256,000	0,9647	31,90161	20,88	117,92	65795 58770	0,0962	693	686	2
U- 232 000 1958 ODS 02/08/65		258,000	0,9669	31,16686	19,58	109,30	133237 119277	0,0973	1441	1427	4
U- 232 000 1958 ODS 02/08/65		262,000	0,9598	30,45720	23,83	131,53	66870 59425	0,0984	669	662	2
U- 232 000 1958 ODS 02/08/65		264,000	0,9599	29,99747	23,79	130,29	65890 58559	0,0992	629	623	2
U- 232 000 1958 ODS 02/08/65		266,000	0,9654	29,54808	20,47	111,26	66261 59225	0,0999	637	630	2
U- 232 000 1958 ODS 02/08/65		268,000	0,9495	29,10871	30,09	162,36	66218 58214	0,1007	617	611	2
U- 232 000 1958 ODS 02/08/65		270,000	0,9082	28,67907	55,95	299,61	65905 55418	0,1014	629	623	2
U- 232 000 1958 ODS 02/08/65		272,000	0,7974	28,25887	131,60	699,57	62681 46274	0,1022	574	569	2
U- 232 000 1958 ODS 02/08/65		274,000	0,6252	27,84783	272,99	1440,60	57936 33536	0,1029	615	605	2
U- 232 000 1958 ODS 02/08/65		276,000	0,7244	27,45770	187,41	727,40	59390 39830	0,1037	573	567	2
U- 232 000 1958 ODS 02/08/65		278,000	0,8860	27,05222	70,34	365,88	63994 52492	0,1044	625	618	2
U- 232 000 1958 ODS 02/08/65		280,000	0,9317	26,66714	41,15	212,50	65875 56817	0,1052	598	592	2
U- 232 000 1958 ODS 02/08/65		282,000	0,9596	26,29023	23,98	122,98	66610 59172	0,1059	598	592	2
U- 232 000 1958 ODS 02/08/65		284,000	0,9499	25,92125	29,86	152,04	66979 58901	0,1067	503	498	2
U- 232 000 1958 ODS 02/08/65		286,000	0,9445	25,55998	33,17	167,71	66606 58240	0,1074	543	537	2
U- 232 000 1958 ODS 02/08/65		288,000	0,9297	25,20621	42,36	212,65	66277 57043	0,1082	555	550	2
U- 232 000 1958 ODS 02/08/65		290,000	0,9013	24,85974	60,38	301,05	66647 55610	0,1089	588	582	2
U- 232 000 1958 ODS 02/08/65		292,000	0,8119	24,52036	121,14	599,84	66330 49852	0,1097	571	566	2
U- 232 000 1958 ODS 02/08/65		294,000	0,5496	24,18788	347,96	1711,31	66277 33719	0,1104	583	578	2
U- 232 000 1958 ODS 02/08/65		296,000	0,3461	23,86213	616,83	3013,16	66272 21230	0,1112	562	556	2
U- 232 000 1958 ODS 02/08/65		298,000	0,5608	23,54290	336,18	1631,20	66635 34593	0,1119	584	578	2
U- 232 000 1958 ODS 02/08/65		300,000	0,6201	23,23004	115,31	555,77	66547 50517	0,1127	635	629	2
U- 232 000 1958 ODS 02/08/65		302,000	0,9134	22,92338	52,64	252,03	66617 56326	0,1135	584	578	2
U- 232 000 1958 ODS 02/08/65		304,000	0,9395	22,62275	36,25	172,41	66003 57402	0,1142	621	615	2
U- 232 000 1958 ODS 02/08/65		307,000	0,9358	22,18277	38,54	181,53	132370 114666	0,1153	1256	1244	4
U- 232 000 1958 ODS 02/08/65		310,000	0,8704	21,75550	80,70	376,41	65656 52095	0,1165	661	654	2
U- 232 000 1958 ODS 02/08/65		312,000	0,7510	21,47748	166,46	771,44	65344 45422	0,1172	668	661	2
U- 232 000 1958 ODS 02/08/65		314,000	0,6280	21,20475	270,47	1245,46	65316 37964	0,1180	657	651	2
U- 232 000 1958 ODS 02/08/65		316,000	0,6187	20,93719	279,08	1276,98	65974 37782	0,1187	666	660	2
U- 232 000 1958 ODS 02/08/65		318,000	0,7125	20,67466	197,04	895,94	66568 43900	0,1195	646	640	2
U- 232 000 1958 ODS 02/08/65		320,000	0,8162	20,41703	118,07	533,49	65146 49214	0,1202	639	632	2
U- 232 000 1958 ODS 02/08/65		322,000	0,8729	20,16419	79,01	354,81	66115 53416	0,1210	625	618	2
U- 232 000 1958 ODS 02/08/65		324,000	0,9000	19,91602	61,25	273,33	65531 54587	0,1217	668	661	2
U- 232 000 1958 ODS 02/08/65		326,000	0,9187	19,67240	49,29	218,61	65462 55662	0,1225	673	666	2
U- 232 000 1958 ODS 02/08/65		328,000	0,9313	19,43322	41,37	182,38	65019 56043	0,1232	725	718	2
U- 232 000 1958 ODS 02/08/65		331,000	0,9283	19,08256	43,25	188,95	130382 112017	0,1243	1506	1491	4
U- 232 000 1958 ODS 02/08/65		334,000	0,9430	18,74130	34,10	147,61	65033 56759	0,1255	772	764	2
U- 232 000 1958 ODS 02/08/65		336,000	0,9438	18,51885	33,62	144,67	64314 56177	0,1262	855	847	2
U- 232 000 1958 ODS 02/08/65		339,000	0,9448	18,19253	32,98	140,67	130563 114168	0,1274	1752	1735	4
U- 232 000 1958 ODS 02/08/65		342,000	0,9445	17,87476	33,21	140,40	65385 57151	0,1285	867	859	2
U- 232 000 1958 ODS 02/08/65		345,000	0,9444	17,56525	33,26	139,39	132197 115538	0,1296	1938	1919	4
U- 232 000 1958 ODS 02/08/65		348,000	0,9358	17,26371	38,58	160,29	66591 57668	0,1307	1032	1022	2
U- 232 000 1958 ODS 02/08/65		351,000	0,9439	16,96986	33,55	138,23	131488 114856	0,1319	2054	2034	4
U- 232 000 1958 ODS 02/08/65		354,000	0,9446	16,68346	33,15	135,39	65854 57564	0,1330	1023	1012	2
U- 232 000 1958 ODS 02/08/65		357,000	0,9363	16,40424	38,25	154,94	131154 113638	0,1341	2159	2128	4
U- 232 000 1958 ODS 02/08/65		361,000	0,9338	16,04273	39,83	159,53	131316 113468	0,1356	2350	2327	4
U- 232 000 1958 ODS 02/08/65		364,000	0,9281	15,77937	43,40	172,40	65771 56483	0,1367	1209	1197	2
U- 232 000 1958 ODS 02/08/65		367,000	0,9131	15,52246	52,86	208,27	131174 110830	0,1379	2215	2193	4
U- 232 000 1958											

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKG OPEN SAMPLE	NO. PTS AVE.
U- 232 000 1958 ODS 02/08/65		412,000	0,3896	12,31681	548,01	1923,25	65182	0,1548	688	828
U- 232 000 1958 ODS 02/08/65		414,000	0,5477	12,19809	349,93	1222,16	65093	0,1555	837	828
U- 232 000 1958 ODS 02/08/65		416,000	0,6694	12,08108	233,29	810,87	64473	0,1563	825	816
U- 232 000 1958 ODS 02/08/65		418,000	0,7518	11,96575	165,81	573,56	65372	0,1570	779	771
U- 232 000 1958 ODS 02/08/65		420,000	0,8137	11,85206	119,82	412,51	64658	0,1578	784	776
U- 232 000 1958 ODS 02/08/65		422,000	0,8520	11,73999	93,11	319,03	64548	0,1585	740	732
U- 232 000 1958 ODS 02/08/65		425,000	0,8900	11,57483	67,73	230,45	129735	0,1597	1538	1522
U- 232 000 1958 ODS 02/08/65		428,000	0,9225	11,41314	46,88	158,38	64702	0,1608	795	787
U- 232 000 1958 ODS 02/08/65		431,000	0,9356	11,25481	38,73	129,92	128211	0,1619	1540	1525
U- 232 000 1958 ODS 02/08/65		435,000	0,9418	11,04877	34,86	115,88	129468	0,1634	1424	1409
U- 232 000 1958 ODS 02/08/65		439,000	0,9499	10,84835	29,90	98,47	128664	0,1649	1408	1394
U- 232 000 1958 ODS 02/08/65		443,000	0,9486	10,65332	30,67	100,11	130508	0,1664	1432	1418
U- 232 000 1958 ODS 02/08/65		448,000	0,9569	10,41685	25,60	82,63	191946	0,1683	2023	2003
U- 232 000 1958 ODS 02/08/65		453,000	0,9683	10,18817	18,74	59,83	128205	0,1702	1255	1243
U- 232 000 1958 ODS 02/08/65		457,000	0,9686	10,01060	18,55	58,71	128463	0,1717	1171	1142
U- 232 000 1958 ODS 02/08/65		462,000	0,9692	9,79509	18,20	56,96	191986	0,1736	1658	1641
U- 232 000 1958 ODS 02/08/65		467,000	0,9725	9,58647	16,21	50,17	127681	0,1754	1191	1179
U- 232 000 1958 ODS 02/08/65		471,000	0,9791	9,42434	12,29	37,73	126936	0,1769	1112	1101
U- 232 000 1958 ODS 02/08/65		476,000	0,9668	9,22739	19,61	59,57	193159	0,1788	1673	1657
U- 232 000 1958 ODS 02/08/65		482,000	0,9756	8,99909	14,33	43,00	190394	0,1811	1487	1472
U- 232 000 1958 ODS 02/08/65		487,000	0,9703	8,81525	17,55	52,09	127401	0,1829	1011	1001
U- 232 000 1958 ODS 02/08/65		492,000	0,9721	8,63699	16,45	48,35	190984	0,1848	1423	1409
U- 232 000 1958 ODS 02/08/65		498,000	0,9718	8,43012	16,61	48,22	189947	0,1871	1382	1369
U- 232 000 1958 ODS 02/08/65		502,000	0,9652	8,29631	20,58	59,29	63564	0,1886	415	411
U- 232 000 1958 ODS 02/08/65		504,000	0,9745	8,23060	15,00	43,04	63473	0,1893	453	449
U- 232 000 1958 ODS 02/08/65		506,000	0,9707	8,16566	17,28	49,39	63723	0,1901	467	462
U- 232 000 1958 ODS 02/08/65		508,000	0,9666	8,10149	19,77	56,27	65023	0,1908	393	389
U- 232 000 1958 ODS 02/08/65		510,000	0,9758	8,03808	14,24	40,37	63570	0,1916	357	353
U- 232 000 1958 ODS 02/08/65		512,000	0,9644	7,97540	21,04	59,43	62650	0,1923	395	391
U- 232 000 1958 ODS 02/08/65		514,000	0,9618	7,91346	22,61	63,61	62926	0,1931	401	397
U- 232 000 1958 ODS 02/08/65		516,000	0,9645	7,85223	21,01	58,88	62430	0,1938	429	425
U- 232 000 1958 ODS 02/08/65		518,000	0,9714	7,79171	16,90	47,17	62517	0,1946	434	430
U- 232 000 1958 ODS 02/08/65		520,000	0,9608	7,73189	23,22	64,56	62593	0,1953	416	412
U- 232 000 1958 ODS 02/08/65		522,000	0,9532	7,67276	27,84	77,12	62649	0,1961	390	386
U- 232 000 1958 ODS 02/08/65		524,000	0,9494	7,61430	30,21	83,36	62760	0,1968	430	425
U- 232 000 1958 ODS 02/08/65		526,000	0,9457	7,55651	32,44	89,18	62883	0,1976	361	358
U- 232 000 1958 ODS 02/08/65		528,000	0,9472	7,49937	31,53	86,34	62350	0,1984	375	372
U- 232 000 1958 ODS 02/08/65		530,000	0,9562	7,44288	26,04	71,03	62886	0,1991	381	377
U- 232 000 1958 ODS 02/08/65		532,000	0,9521	7,38702	28,52	77,51	63056	0,1999	439	434
U- 232 000 1958 ODS 02/08/65		534,000	0,9537	7,33179	27,58	74,68	62703	0,2006	465	460
U- 232 000 1958 ODS 02/08/65		536,000	0,9663	7,27718	19,93	53,76	62565	0,2014	443	438
U- 232 000 1958 ODS 02/08/65		538,000	0,9665	7,22317	19,79	53,19	63251	0,2021	346	343
U- 232 000 1958 ODS 02/08/65		540,000	0,9624	7,16977	22,29	59,69	62906	0,2029	390	386
U- 232 000 1958 ODS 02/08/65		542,000	0,9439	7,11695	33,59	89,61	63116	0,2036	397	393
U- 232 000 1958 ODS 02/08/65		545,000	0,9567	7,03881	25,74	68,30	124618	0,2047	745	738
U- 232 000 1958 ODS 02/08/65		549,000	0,9500	6,93662	29,81	78,53	124630	0,2062	775	768
U- 232 000 1958 ODS 02/08/65		553,000	0,9483	6,83663	30,88	80,75	124803	0,2077	824	816
U- 232 000 1958 ODS 02/08/65		557,000	0,9359	6,73879	38,50	99,95	124857	0,2092	738	731
U- 232 000 1958 ODS 02/08/65		561,000	0,9299	6,64304	42,23	108,83	124290	0,2107	745	738
U- 232 000 1958 ODS 02/08/65		565,000	0,9178	6,54931	49,87	127,64	123772	0,2123	749	742
U- 232 000 1958 ODS 02/08/65		569,000	0,8891	6,45755	68,34	173,66	124718	0,2138	722	715
U- 232 000 1958 ODS 02/08/65		572,000	0,8620	6,38999	86,31	218,17	62687	0,2149	374	370
U- 232 000 1958 ODS 02/08/65		574,000	0,8287	6,34554	109,23	275,16	61933	0,2156	361	357
U- 232 000 1958 ODS 02/08/65		576,000	0,8015	6,30155	128,65	322,94	61260	0,2164	380	377
U- 232 000 1958 ODS 02/08/65		578,000	0,7395	6,25802	175,42	438,82	61235	0,2171	394	390
U- 232 000 1958 ODS 02/08/65		580,000	0,6474	6,21493	252,72	630,02	61482	0,2179	389	385
U- 232 000 1958 ODS 02/08/65		582,000	0,5032	6,17229	399,16	991,69	61715	0,2186	361	357
U- 232 000 1958 ODS 02/08/65		584,000	0,3240	6,13009	655,08	1621,90	61527	0,2194	339	336
U- 232 000 1958 ODS 02/08/65		586,000	0,1503	6,08632	1101,82	2718,69	62226	0,2201	349	345
U- 232 000 1958 ODS 02/08/65		588,000	0,0588	6,04697	1647,32	4050,86	61942	0,2209	347	344
U- 232 000 1958 ODS 02/08/65		590,000	0,0278	6,00604	2082,50	5103,64	61184	0,2216	357	354
U- 232 000 1958 ODS 02/08/65		592,000	0,0191	5,96553	2300,40	5618,59	60864	0,2224	328	325
U- 232 000 1958 ODS 02/08/65		594,000	0,0297	5,92543	2043,82	4975,10	61554	0,2231	354	351
U- 232 000 1958 ODS 02/08/65		596,000	0,1038	5,88573	1316,55	3194,02	61143	0,2239	329	326
U- 232 000 1958 ODS 02/08/65		598,000	0,2657	5,84642	770,42	1862,83	61068	0,2246	295	292
U- 232 000 1958 ODS 02/08/65		600,000	0,4466	5,80751	468,56	1129,17	61237	0,2254	294	291
U- 232 000 1958 ODS 02/08/65		602,000	0,5925	5,76899	304,22	730,70	61764	0,2262	341	337
U- 232 000 1958 ODS 02/08/65		604,000	0,6801	5,73085	224,07	536,40	62025	0,2269	340	337
U- 232 000 1958 ODS 02/08/65		606,000	0,7551	5,69308	163,26	389,54	61375	0,2277	342	339
U- 232 000 1958 ODS 02/08/65		608,000	0,8169	5,65569	117,57	279,61	60739	0,2284	322	318
U- 232 000 1958 ODS 02/08/65		610,000	0,8401	5,61866	101,29	240,10	61286	0,2292	302	299
U- 232 000 1958 ODS 02/08/65		613,000	0,8713	5,56380	80,11	188,97	121743	0,2303	682	675
U- 232 000 1958 ODS 02/08/65		618,000	0,9103	5,47414	54,63	127,82	183126	0,2322	826	818
U- 232 000 1958 ODS 02/08/65		624,000	0,9292	5,36937	42,71	98,96	182054	0,2344	1069	1059
U- 232 000 1958 ODS 02/08/65		630,000	0,9406	5,26758	35,62	81,75	182003	0,2367	918	909
U- 232 000 1958 ODS 02/08/65		636,000	0,9496	5,16866	30,08	68,39	182443	0,2389	868	860
U- 232 000 1958 ODS 02/08/65		646,000	0,9578	5,00988	25,05	56,07	420998	0,2427	2041	2021
U- 232 000 1958 ODS 02/08/65		660,000	0,9646	4,79960	20,95	45,90	419544	0,2479	1965	1946
U- 232 000 1958 ODS 02/08/65		674,000	0,9658	4,60228	20,24	43,41	417288	0,2532	1928	1908
U- 232 000 1958 ODS 02/08/65		689,000	0,9673	4,40407	19,34	40,58	474127	0,2588	2016	1996
U- 232 000 1958 ODS 02/08/65		705,000	0,9700	4,20644	17,73	36,37	464885	0,2648	1906	1887
U- 232 000 1958 ODS 02/08/65		722,000	0,9695	4,01068	18,00	36,04	523576	0,2712	1973	1953
U- 232 000 1958 ODS 02/08/65		741,000	0,9729	3,80764	15,99	31,20	579683	0,2784	1905	1886
U- 232 000 1958 ODS 02/08/65		761,000	0,9708	3,61013	17,23	32,74	575640	0,2859	1841	1823
U- 232 000 1958 ODS 02/08/65		783,000	0,9687	3,41012	18,49	34,14	683832	0,2941	2113	2091
U- 232 000 1958 ODS 02/08/65		807,000	0,9713	3,21030	16,95	30,36	676081	0,3032	1813	1795
U- 232 000 1958 ODS 02/08/65		833,000	0,9691	3,01302	18,25	31,68	778510	0,3129	2120	2099
U- 232 000 1958 ODS 02/08/65		863,000	0,9733	2,81071	15,72	26,34	872376	0,3242	2096	2075
U- 232 000 1958 ODS 02/08/65		896,000	0,9672	2,60421	19,38	31,27	911622	0,3366	2429	2405
U- 232 000 1958 ODS 02/08/65		932,000	0,9696	2,40691	17,96	27,86	994413	0,3501	2494	2469
U- 232 000 1958 ODS 02/08/65		973,000	0,9685	2,20834	18,62	27,68	1121084	0,3655	2962	2933
U- 232 000 1958 ODS 02/08/65		1								

RUN 1959

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE,
U- 232 000 1959 ODS 02/08/65		39,000	0,9566	1374,55884	24,87	922,22	76232 69485	0,0159	8705 8618	2
U- 232 000 1959 ODS 02/08/65		41,000	0,9580	1243,72635	24,05	848,25	74313 76834	0,0167	7628 7551	2
U- 232 000 1959 ODS 02/08/65		43,000	0,9509	1130,72147	28,21	948,47	69245 62740	0,0176	8449 8365	2
U- 232 000 1959 ODS 02/08/65		45,000	0,9550	1032,44641	25,82	829,53	71413 64980	0,0184	7040 6969	2
U- 232 000 1959 ODS 02/08/65		47,000	0,9588	946,44817	23,60	726,19	73103 66779	0,0192	6587 6521	2
U- 232 000 1959 ODS 02/08/65		49,000	0,9730	870,76385	15,36	453,33	72453 67165	0,0200	6162 6100	2
U- 232 000 1959 ODS 02/08/65		51,000	0,9597	803,80776	23,06	653,85	73162 66896	0,0208	5602 5546	2
U- 232 000 1959 ODS 02/08/65		53,000	0,9485	744,28764	29,66	809,27	73203 66149	0,0216	4933 4884	2
U- 232 000 1959 ODS 02/08/65		55,000	0,9528	691,14182	27,13	713,28	72369 65691	0,0225	4859 4811	2
U- 232 000 1959 ODS 02/08/65		57,000	0,9400	643,49153	34,70	880,18	73701 66002	0,0233	4459 4414	2
U- 232 000 1959 ODS 02/08/65		59,000	0,9446	600,60442	31,98	783,67	72962 65657	0,0241	4646 4599	2
U- 232 000 1959 ODS 02/08/65		61,000	0,9528	561,66616	27,08	641,94	72645 65944	0,0249	4204 4162	2
U- 232 000 1959 ODS 02/08/65		63,000	0,9520	526,75838	27,58	633,04	72081 65373	0,0257	3502 3526	2
U- 232 000 1959 ODS 02/08/65		65,000	0,9437	494,89518	32,48	722,51	70108 63479	0,0265	3647 3610	2
U- 232 000 1959 ODS 02/08/65		67,000	0,9458	465,73936	31,25	674,51	69377 62508	0,0274	3548 3513	2
U- 232 000 1959 ODS 02/08/65		69,000	0,9254	439,13127	43,49	911,38	67773 59743	0,0282	3352 3318	2
U- 232 000 1959 ODS 02/08/65		71,000	0,9377	414,73993	36,06	734,44	62670 55981	0,0290	3145 3114	2
U- 232 000 1959 ODS 02/08/65		73,000	0,9442	392,32576	32,17	637,15	56285 50628	0,0298	3039 3008	2
U- 232 000 1959 ODS 02/08/65		75,000	0,9514	371,68071	27,91	538,12	48265 43744	0,0306	3323 3290	2
U- 232 000 1959 ODS 02/08/65		77,000	0,9358	352,62337	37,20	698,49	30941 27581	0,0314	3769 3731	2
U- 232 000 1959 ODS 02/08/65		79,000	0,9233	334,99503	44,76	819,24	28307 24895	0,0323	3592 3556	2
U- 232 000 1959 ODS 02/08/65		81,000	0,9404	318,65630	34,48	615,43	43314 38798	0,0331	4161 4120	2
U- 232 000 1959 ODS 02/08/65		83,000	0,9436	303,48439	32,55	567,10	57457 51643	0,0339	4321 4278	2
U- 232 000 1959 ODS 02/08/65		85,000	0,9461	289,37079	31,04	528,09	63696 57404	0,0347	4601 4615	2
U- 232 000 1959 ODS 02/08/65		87,000	0,9360	276,21931	37,09	616,49	67052 59779	0,0355	5302 5249	2
U- 232 000 1959 ODS 02/08/65		89,000	0,9114	263,54445	51,98	844,57	68318 59311	0,0363	5488 5434	2
U- 232 000 1959 ODS 02/08/65		91,000	0,8980	252,46999	60,34	958,74	71110 60820	0,0372	5648 5592	2
U- 232 000 1959 ODS 02/08/65		93,000	0,9387	241,72783	35,44	551,03	68986 62496	0,0380	5804 5746	2
U- 232 000 1959 ODS 02/08/65		95,000	0,9643	231,65695	20,41	310,60	68411 62830	0,0388	5743 5685	2
U- 232 000 1959 ODS 02/08/65		97,000	0,9540	222,20257	26,41	393,65	68716 62438	0,0396	5674 5617	2
U- 232 000 1959 ODS 02/08/65		99,000	0,9278	213,31537	42,00	613,42	70482 62285	0,0404	6000 5940	2
U- 232 000 1959 ODS 02/08/65		101,000	0,9234	204,55089	44,67	639,56	71178 62599	0,0412	5930 5871	2
U- 232 000 1959 ODS 02/08/65		103,000	0,9166	197,06890	48,83	685,54	69782 60917	0,0421	5920 5861	2
U- 232 000 1959 ODS 02/08/65		105,000	0,8658	189,63301	80,75	1112,05	70528 58160	0,0429	5487 5432	2
U- 232 000 1959 ODS 02/08/65		107,000	0,9060	182,61018	55,34	747,88	71679 61849	0,0437	5487 5432	2
U- 232 000 1959 ODS 02/08/65		109,000	0,9381	175,97037	35,82	475,11	71530 63908	0,0445	5380 5326	2
U- 232 000 1959 ODS 02/08/65		111,000	0,9418	169,68623	33,60	437,64	69900 62699	0,0453	5324 5271	2
U- 232 000 1959 ODS 02/08/65		113,000	0,9302	163,73279	40,58	519,23	68922 61055	0,0461	4719 4672	2
U- 232 000 1959 ODS 02/08/65		115,000	0,8792	158,08726	72,17	907,40	70259 58829	0,0470	4643 4646	2
U- 232 000 1959 ODS 02/08/65		117,000	0,9037	152,72876	56,79	701,79	69599 59896	0,0478	4102 4061	2
U- 232 000 1959 ODS 02/08/65		119,000	0,8850	147,63816	68,50	832,26	67974 57288	0,0486	3984 3944	2
U- 232 000 1959 ODS 02/08/65		121,000	0,8507	142,79790	90,64	1083,18	65922 53406	0,0494	3631 3594	2
U- 232 000 1959 ODS 02/08/65		123,000	0,9249	138,19182	43,74	514,23	63069 55552	0,0502	3367 3333	2
U- 232 000 1959 ODS 02/08/65		125,000	0,9003	133,80506	58,85	680,73	59720 51203	0,0510	3028 2998	2
U- 232 000 1959 ODS 02/08/65		127,000	0,8165	129,62391	113,64	1293,83	60985 47119	0,0519	2620 2594	2
U- 232 000 1959 ODS 02/08/65		129,000	0,8812	125,63572	70,88	794,44	62739 52649	0,0527	2257 2234	2
U- 232 000 1959 ODS 02/08/65		131,000	0,9508	121,82880	28,26	311,92	61473 55660	0,0535	2357 2333	2
U- 232 000 1959 ODS 02/08/65		133,000	0,9452	118,19232	31,58	343,35	65756 59186	0,0543	2050 2030	2
U- 232 000 1959 ODS 02/08/65		135,000	0,8981	114,71627	60,24	645,25	69987 59853	0,0551	1881 1863	2
U- 232 000 1959 ODS 02/08/65		137,000	0,8451	111,39134	94,34	995,66	70100 56412	0,0560	1876 1857	2
U- 232 000 1959 ODS 02/08/65		139,000	0,7752	108,20889	142,77	1485,17	70028 51689	0,0568	1801 1783	2
U- 232 000 1959 ODS 02/08/65		141,000	0,8451	105,16091	94,34	967,48	71122 57232	0,0576	1559 1543	2
U- 232 000 1959 ODS 02/08/65		143,000	0,9204	102,23991	46,53	470,45	70311 61617	0,0584	1536 1521	2
U- 232 000 1959 ODS 02/08/65		145,000	0,9625	99,43895	21,43	213,74	68563 62835	0,0592	1651 1634	2
U- 232 000 1959 ODS 02/08/65		147,000	0,9772	96,75154	12,95	127,36	70287 65396	0,0600	1469 1454	2
U- 232 000 1959 ODS 02/08/65		149,000	0,9792	94,17161	11,76	114,11	68675 64032	0,0609	1412 1398	2
U- 232 000 1959 ODS 02/08/65		151,000	0,9799	91,69352	11,37	108,87	59809 55803	0,0617	1492 1477	2
U- 232 000 1959 ODS 02/08/65		153,000	0,9744	89,31197	14,56	137,58	57569 53408	0,0625	1405 1391	2
U- 232 000 1959 ODS 02/08/65		155,000	0,9785	87,02202	12,20	113,80	65082 60631	0,0633	1402 1388	2
U- 232 000 1959 ODS 02/08/65		157,000	0,9695	84,81902	17,35	159,83	66942 61793	0,0641	1359 1326	2
U- 232 000 1959 ODS 02/08/65		159,000	0,9558	82,69863	25,32	230,22	70797 64429	0,0649	1311 1298	2
U- 232 000 1959 ODS 02/08/65		161,000	0,9581	80,65676	24,01	215,59	70719 64508	0,0658	1324 1311	2
U- 232 000 1959 ODS 02/08/65		163,000	0,9362	78,68960	36,94	327,67	71183 63450	0,0666	1410 1395	2
U- 232 000 1959 ODS 02/08/65		165,000	0,7933	76,79354	129,80	1137,44	70966 53600	0,0674	1476 1461	2
U- 232 000 1959 ODS 02/08/65		167,000	0,6085	74,96518	278,53	2411,55	71508 41423	0,0682	1393 1340	2
U- 232 000 1959 ODS 02/08/65		169,000	0,7610	73,20136	153,10	1309,90	71015 51451	0,0690	1415 1401	2
U- 232 000 1959 ODS 02/08/65		171,000	0,9300	71,49906	40,66	343,77	71607 63403	0,0698	1440 1426	2
U- 232 000 1959 ODS 02/08/65		173,000	0,9571	69,85546	24,60	205,60	71065 64750	0,0707	1550 1535	2
U- 232 000 1959 ODS 02/08/65		175,000	0,9673	68,26789	18,61	153,79	67647 62297	0,0715	1576 1561	2
U- 232 000 1959 ODS 02/08/65		177,000	0,9558	66,73382	25,34	206,98	66191 60229	0,0723	1626 1610	2
U- 232 000 1959 ODS 02/08/65		179,000	0,9701	65,25090	16,99	137,24	70149 64707	0,0731	1681 1664	2
U- 232 000 1959 ODS 02/08/65		181,000	0,9798	63,81685	11,44	91,35	70043 65333	0,0739	1543 1527	2
U- 232 000 1959 ODS 02/08/65		183,000	0,9729	62,42957	15,37	121,48	70799 65575	0,0747	1577 1561	2
U- 232 000 1959 ODS 02/08/65		185,000	0,9570	61,08704	24,66	192,72	71455 65094	0,0756	1589 1573	2
U- 232 000 1959 ODS 02/08/65		187,000	0,9431	59,78735	32,82	253,80	72406 65006	0,0764	1674 1657	2
U- 232 000 1959 ODS 02/08/65		189,000	0,9678	58,52871	18,34	740,33	72056 66304	0,0772	1677 1660	2
U- 232 000 1959 ODS 02/08/65		191,000	0,9634	57,30939	20,90	158,20	71502 65574	0,0780	1599 1583	2
U- 232 000 1959 ODS 02/08/65		193,000	0,9657	56,12779	19,56	146,53	70732 65021	0,0788	1652 1636	2
U- 232 000 1959 ODS 02/08/65		195,000	0,9567	54,58235	24,81	183,96	71672 65271	0,0796	1531 1515	2
U- 232 000 1959 ODS 02/08/65		197,000	0,9155	53,87163	49,50	363,33	71495 62303	0,0805	1538 1523	2
U- 232 000 1959 ODS 02/08/65		199,000	0,8689	52,79422	78,80	572,58	71344 59005	0,0813	1498 1443	2
U- 232 000 1959 ODS 02/08/65		201,000	0,9216	51,74882	45,75	329,10	71171 62436	0,0821	1445 1431	2
U- 232 000 1959 ODS 02/08/65		203,000	0,9666	50,73416	19,04	135,64	71573 65851	0,0829	1459 1444	2
U- 232 000 1959 ODS 02/08/65		205,000	0,9687	49,74905	17,85	125,92	71465 65891	0,0837	1346 1332	2
U- 232 000 1959 ODS 02/08/65		207,000	0,9465	48,7923						

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.
U- 232 000 1959 ODS 02/08/65		219,000	0,6649	43,59175	228,83	1510,81	71503 45246	0,0894	1175 1163	2
U- 232 000 1959 ODS 02/08/65		221,000	0,7183	42,80633	185,46	1213,43	71464 48858	0,0903	1139 1128	2
U- 232 000 1959 ODS 02/08/65		223,000	0,9090	42,04195	53,47	346,70	71345 61725	0,0911	1093 1082	2
U- 232 000 1959 ODS 02/08/65		225,000	0,9636	41,29786	20,76	133,42	70750 64887	0,0919	993 983	2
U- 232 000 1959 ODS 02/08/65		227,000	0,9641	40,57335	20,48	130,47	71546 65649	0,0927	1060 1050	2
U- 232 000 1959 ODS 02/08/65		229,000	0,9691	39,86774	17,60	111,11	70224 64768	0,0935	970 961	2
U- 232 000 1959 ODS 02/08/65		231,000	0,9668	39,18038	18,90	118,33	70104 64505	0,0943	911 902	2
U- 232 000 1959 ODS 02/08/65		233,000	0,9700	38,51064	17,08	105,98	70648 65218	0,0952	867 858	2
U- 232 000 1959 ODS 02/08/65		235,000	0,9786	37,85793	12,14	74,67	71570 66653	0,0960	939 930	2
U- 232 000 1959 ODS 02/08/65		237,000	0,9721	37,22167	15,87	96,80	71425 66076	0,0968	924 915	2
U- 232 000 1959 ODS 02/08/65		239,000	0,9671	36,60132	18,75	113,41	71008 65353	0,0976	830 822	2
U- 232 000 1959 ODS 02/08/65		241,000	0,9723	35,99635	15,77	94,62	69684 64475	0,0984	743 736	2
U- 232 000 1959 ODS 02/08/65		243,000	0,9583	35,40626	23,89	142,12	70451 64247	0,0992	896 847	2
U- 232 000 1959 ODS 02/08/65		245,000	0,8922	34,83055	63,95	377,41	70799 60111	0,1001	809 801	2
U- 232 000 1959 ODS 02/08/65		247,000	0,8410	34,26878	97,10	568,43	71238 57010	0,1009	738 730	2
U- 232 000 1959 ODS 02/08/65		249,000	0,9236	33,72049	44,53	258,60	71243 62618	0,1017	761 754	2
U- 232 000 1959 ODS 02/08/65		251,000	0,9571	33,18525	24,61	141,76	72093 65657	0,1025	740 733	2
U- 232 000 1959 ODS 02/08/65		253,000	0,9557	32,66266	25,42	145,26	73132 66506	0,1033	754 746	2
U- 232 000 1959 ODS 02/08/65		255,000	0,9742	32,15231	14,67	83,19	70746 65581	0,1041	745 738	2
U- 232 000 1959 ODS 02/08/65		258,000	0,9683	31,40893	18,06	101,20	140107 129095	0,1054	1386 1372	4
U- 232 000 1959 ODS 02/08/65		261,000	0,9608	30,69104	22,41	124,14	70697 64635	0,1066	719 712	2
U- 232 000 1959 ODS 02/08/65		263,000	0,9593	30,22603	23,29	128,04	70700 64536	0,1074	723 716	2
U- 232 000 1959 ODS 02/08/65		265,000	0,9655	29,77151	19,68	107,38	70745 64993	0,1082	702 695	2
U- 232 000 1959 ODS 02/08/65		267,000	0,9542	29,32716	26,29	142,36	70735 64222	0,1090	722 715	2
U- 232 000 1959 ODS 02/08/65		269,000	0,9450	28,89269	31,71	170,42	70409 63310	0,1099	800 792	2
U- 232 000 1959 ODS 02/08/65		271,000	0,8885	28,46780	66,26	353,54	69193 58497	0,1107	721 714	2
U- 232 000 1959 ODS 02/08/65		273,000	0,7049	28,05222	196,01	1038,18	64230 43081	0,1115	746 739	2
U- 232 000 1959 ODS 02/08/65		275,000	0,6047	27,64567	282,01	1482,78	60912 35045	0,1123	765 758	2
U- 232 000 1959 ODS 02/08/65		277,000	0,7838	27,24790	136,58	712,95	66333 49466	0,1131	769 762	2
U- 232 000 1959 ODS 02/08/65		279,000	0,9103	26,85865	52,66	272,89	69056 59813	0,1139	778 770	2
U- 232 000 1959 ODS 02/08/65		281,000	0,9491	26,47768	29,26	150,55	70152 63352	0,1148	792 784	2
U- 232 000 1959 ODS 02/08/65		283,000	0,9522	26,10476	27,43	140,17	71525 64801	0,1156	809 801	2
U- 232 000 1959 ODS 02/08/65		285,000	0,9614	25,73966	22,07	111,95	71020 64962	0,1164	788 780	2
U- 232 000 1959 ODS 02/08/65		287,000	0,9508	25,38217	28,30	142,57	70621 63882	0,1172	759 751	2
U- 232 000 1959 ODS 02/08/65		289,000	0,9189	25,03208	47,39	237,11	70617 61739	0,1180	862 854	2
U- 232 000 1959 ODS 02/08/65		291,000	0,8715	24,68917	77,11	383,12	70996 58865	0,1188	800 792	2
U- 232 000 1959 ODS 02/08/65		293,000	0,7301	24,35327	176,33	870,16	69480 48263	0,1197	787 779	2
U- 232 000 1959 ODS 02/08/65		295,000	0,4111	24,02418	498,32	2442,46	70429 27546	0,1205	853 844	2
U- 232 000 1959 ODS 02/08/65		297,000	0,3769	23,70171	546,96	2662,86	70312 25214	0,1213	869 861	2
U- 232 000 1959 ODS 02/08/65		299,000	0,6821	23,38569	214,44	1036,99	70885 46001	0,1221	845 836	2
U- 232 000 1959 ODS 02/08/65		301,000	0,8800	23,07595	71,66	344,22	70004 58607	0,1229	819 811	2
U- 232 000 1959 ODS 02/08/65		303,000	0,9296	22,77232	40,93	195,32	70710 62532	0,1237	811 803	2
U- 232 000 1959 ODS 02/08/65		305,000	0,9453	22,47465	31,55	149,55	69821 62787	0,1246	840 830	2
U- 232 000 1959 ODS 02/08/65		308,000	0,9224	22,03896	45,26	212,46	141021 123749	0,1258	1877 1856	4
U- 232 000 1959 ODS 02/08/65		311,000	0,8227	21,61582	109,42	508,71	69637 54499	0,1270	1062 1051	2
U- 232 000 1959 ODS 02/08/65		313,000	0,6745	21,34046	220,71	1019,61	69485 44587	0,1278	1018 1007	2
U- 232 000 1959 ODS 02/08/65		315,000	0,5741	21,07033	311,09	1427,96	70454 38478	0,1286	1056 1045	2
U- 232 000 1959 ODS 02/08/65		317,000	0,6353	20,80530	254,35	1160,16	70715 42733	0,1295	1211 1199	2
U- 232 000 1959 ODS 02/08/65		319,000	0,7657	20,54524	149,65	678,31	70005 50990	0,1303	1150 1138	2
U- 232 000 1959 ODS 02/08/65		321,000	0,8407	20,29002	97,30	438,30	68887 55086	0,1311	1216 1204	2
U- 232 000 1959 ODS 02/08/65		323,000	0,8902	20,03953	65,20	291,88	69496 58848	0,1319	1213 1201	2
U- 232 000 1959 ODS 02/08/65		325,000	0,9075	19,79365	54,42	242,12	69634 60109	0,1327	1269 1257	2
U- 232 000 1959 ODS 02/08/65		327,000	0,9175	19,55226	48,28	213,50	69137 60336	0,1335	1204 1192	2
U- 232 000 1959 ODS 02/08/65		329,000	0,9240	19,31527	44,29	194,66	68806 60476	0,1344	1202 1190	2
U- 232 000 1959 ODS 02/08/65		331,000	0,9272	19,08256	42,36	185,04	68374 60304	0,1352	1354 1340	2
U- 232 000 1959 ODS 02/08/65		334,000	0,9407	18,74130	34,25	148,29	135515 121257	0,1364	2720 2693	4
U- 232 000 1959 ODS 02/08/65		337,000	0,9409	18,40911	34,18	146,65	67809 60682	0,1376	1321 1308	2
U- 232 000 1959 ODS 02/08/65		340,000	0,9401	18,08567	34,62	147,22	139258 124522	0,1389	2812 2784	4
U- 232 000 1959 ODS 02/08/65		343,000	0,9425	17,77069	33,20	139,95	70192 62923	0,1401	1374 1360	2
U- 232 000 1959 ODS 02/08/65		346,000	0,9458	17,46386	31,22	130,45	140032 125972	0,1413	2728 2701	4
U- 232 000 1959 ODS 02/08/65		349,000	0,9502	17,16492	28,66	118,76	69638 62931	0,1425	1295 1283	2
U- 232 000 1959 ODS 02/08/65		352,000	0,9397	16,87358	34,86	143,21	139263 124464	0,1438	2440 2416	4
U- 232 000 1959 ODS 02/08/65		355,000	0,9366	16,58960	36,70	149,49	70088 62434	0,1450	1226 1214	2
U- 232 000 1959 ODS 02/08/65		358,000	0,9299	16,31272	40,76	164,64	139889 123711	0,1462	2417 2393	4
U- 232 000 1959 ODS 02/08/65		362,000	0,9353	15,95421	37,49	149,76	139488 124075	0,1478	2200 2178	4
U- 232 000 1959 ODS 02/08/65		365,000	0,9247	15,69303	43,92	173,97	69890 61458	0,1491	1059 1048	2
U- 232 000 1959 ODS 02/08/65		368,000	0,9192	15,43821	47,26	185,69	138511 121075	0,1503	2154 2133	4
U- 232 000 1959 ODS 02/08/65		372,000	0,9143	15,10799	50,23	195,23	139317 121134	0,1519	2076 2055	4
U- 232 000 1959 ODS 02/08/65		376,000	0,8943	14,78825	62,64	240,88	138975 118188	0,1536	2029 2009	4
U- 232 000 1959 ODS 02/08/65		380,000	0,8809	14,47856	71,09	270,48	140825 117968	0,1552	1989 1969	4
U- 232 000 1959 ODS 02/08/65		383,000	0,8553	14,25263	87,64	330,85	69231 56306	0,1564	1024 1014	2
U- 232 000 1959 ODS 02/08/65		385,000	0,8384	14,10494	98,83	371,19	68219 54385	0,1572	955 945	2
U- 232 000 1959 ODS 02/08/65		387,000	0,8011	13,95952	124,31	464,46	69911 53257	0,1581	951 941	2
U- 232 000 1959 ODS 02/08/65		389,000	0,7812	13,81635	138,43	514,53	68839 51136	0,1589	897 888	2
U- 232 000 1959 ODS 02/08/65		391,000	0,7384	13,67537	170,04	628,83	69013 48454	0,1597	860 851	2
U- 232 000 1959 ODS 02/08/65		393,000	0,6712	13,53653	223,94	822,44	68553 43750	0,1605	958 948	2
U- 232 000 1959 ODS 02/08/65		395,000	0,5891	13,39980	296,64	1085,89	69010 38656	0,1613	891 882	2
U- 232 000 1959 ODS 02/08/65		397,000	0,4558	13,26513	440,45	1604,17	69210 29996	0,1621	923 914	2
U- 232 000 1959 ODS 02/08/65		399,000	0,3023	13,13248	670,76	2430,74	68926 19809	0,1630	900 891	2
U- 232 000 1959 ODS 02/08/65		401,000	0,1475	13,00181	1073,00	3869,03	68208 9565	0,1638	943 933	2
U- 232 000 1959 ODS 02/08/65		403,000	0,0575	12,87308	1600,64	5742,93	69020 3776	0,1646	842 834	2
U- 232 000 1959 ODS 02/08/65		405,000	0,0249	12,74625	2069,40	7388,15	68724 1629	0,1654	882 873	2
U- 232 000 1959 ODS 02/08/65		407,000	0,0354	12,62129	1872,73	6653,16	68438 2304	0,1662	781 773	2
U- 232 000 1959 ODS 02/08/65		409,000	0,1081	12,49816	1247,30	4409,54	68584 7047	0,1670	803 795	2
U- 232 000 1959 ODS 02/08/65		411,000	0,2623	12,37682	750,17	2639,14	69965 17450	0,1679	812 804	2
U- 232 000 1959 ODS 02/08/65		413,000								

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
U- 232 000 1959 ODS 02/08/65		465,000	0,9676	9,66911	18,45	57,38	202661 186694	0,1899	1637	1621	6
U- 232 000 1959 ODS 02/08/65		470,000	0,9765	9,46448	13,32	40,98	134784 125295	0,1919	1015	1005	4
U- 232 000 1959 ODS 02/08/65		475,000	0,9730	9,26628	15,32	46,64	203061 188098	0,1940	1594	1538	6
U- 232 000 1959 ODS 02/08/65		481,000	0,9702	9,03654	16,95	50,96	202904 187484	0,1964	1435	1420	6
U- 232 000 1959 ODS 02/08/65		486,000	0,9781	8,85156	12,44	37,02	134252 125056	0,1985	986	976	4
U- 232 000 1959 ODS 02/08/65		491,000	0,9701	8,67221	17,03	50,15	202540 187125	0,2005	1457	1442	6
U- 232 000 1959 ODS 02/08/65		497,000	0,9800	8,46408	11,32	32,92	200234 186903	0,2030	1331	1317	6
U- 232 000 1959 ODS 02/08/65		501,000	0,9747	8,32946	14,34	41,39	66693 61921	0,2046	455	451	2
U- 232 000 1959 ODS 02/08/65		503,000	0,9700	8,26336	17,08	49,09	67008 61911	0,2054	452	448	2
U- 232 000 1959 ODS 02/08/65		505,000	0,9744	8,19804	14,53	41,60	67240 62409	0,2062	450	446	2
U- 232 000 1959 ODS 02/08/65		507,000	0,9731	8,13348	15,28	43,57	67673 62729	0,2071	436	432	2
U- 232 000 1959 ODS 02/08/65		509,000	0,9659	8,06969	19,44	55,21	68667 63179	0,2079	450	446	2
U- 232 000 1959 ODS 02/08/65		511,000	0,9707	8,00665	16,65	47,11	66590 61571	0,2087	433	448	2
U- 232 000 1959 ODS 02/08/65		513,000	0,9717	7,94434	16,10	45,37	65579 60694	0,2095	400	396	2
U- 232 000 1959 ODS 02/08/65		515,000	0,9572	7,88276	24,51	68,83	66863 60959	0,2103	425	420	2
U- 232 000 1959 ODS 02/08/65		517,000	0,9624	7,82189	21,47	60,04	66382 60848	0,2111	445	441	2
U- 232 000 1959 ODS 02/08/65		519,000	0,9678	7,76172	18,33	51,08	66581 61370	0,2120	453	448	2
U- 232 000 1959 ODS 02/08/65		521,000	0,9691	7,70224	17,58	48,80	65826 60753	0,2128	411	407	2
U- 232 000 1959 ODS 02/08/65		523,000	0,9504	7,64345	28,51	78,82	66276 59985	0,2136	461	456	2
U- 232 000 1959 ODS 02/08/65		525,000	0,9495	7,58532	29,08	80,08	65902 59583	0,2144	392	389	2
U- 232 000 1959 ODS 02/08/65		527,000	0,9413	7,52786	33,89	93,00	66194 59332	0,2152	434	429	2
U- 232 000 1959 ODS 02/08/65		529,000	0,9531	7,47104	73,56	65734 59657	0,2160	491	486	2	
U- 232 000 1959 ODS 02/08/65		531,000	0,9604	7,41487	22,68	61,75	66235 60568	0,2169	461	457	2
U- 232 000 1959 ODS 02/08/65		533,000	0,9534	7,35933	26,78	72,65	66338 60221	0,2177	447	443	2
U- 232 000 1959 ODS 02/08/65		535,000	0,9567	7,30441	24,84	67,14	66341 60433	0,2185	354	351	2
U- 232 000 1959 ODS 02/08/65		537,000	0,9645	7,25010	20,27	54,58	65750 60371	0,2193	459	454	2
U- 232 000 1959 ODS 02/08/65		539,000	0,9657	7,19640	19,57	52,51	66653 61256	0,2201	462	457	2
U- 232 000 1959 ODS 02/08/65		541,000	0,9502	7,14329	28,61	76,48	66990 60554	0,2209	415	411	2
U- 232 000 1959 ODS 02/08/65		544,000	0,9588	7,06472	23,58	62,67	132262 120524	0,2222	810	802	4
U- 232 000 1959 ODS 02/08/65		547,000	0,9537	6,98744	26,55	70,18	66092 59831	0,2234	476	472	2
U- 232 000 1959 ODS 02/08/65		550,000	0,9454	6,91142	31,50	82,82	131830 118058	0,2246	833	825	4
U- 232 000 1959 ODS 02/08/65		555,000	0,9404	6,78745	34,44	89,72	197802 175644	0,2267	1229	1216	6
U- 232 000 1959 ODS 02/08/65		560,000	0,9310	6,66679	40,09	103,52	130822 115256	0,2287	818	810	4
U- 232 000 1959 ODS 02/08/65		564,000	0,9160	6,57256	49,18	126,09	130823 113608	0,2303	836	827	4
U- 232 000 1959 ODS 02/08/65		568,000	0,8897	6,48031	65,92	166,80	130337 110081	0,2320	791	783	4
U- 232 000 1959 ODS 02/08/65		571,000	0,8690	6,41240	78,69	199,26	66127 54597	0,2332	335	331	2
U- 232 000 1959 ODS 02/08/65		573,000	0,8434	6,36771	95,47	240,90	66622 53406	0,2340	378	375	2
U- 232 000 1959 ODS 02/08/65		575,000	0,7983	6,32349	126,30	317,61	65615 49802	0,2348	366	363	2
U- 232 000 1959 ODS 02/08/65		577,000	0,7555	6,27973	157,17	393,87	64832 46586	0,2356	358	355	2
U- 232 000 1959 ODS 02/08/65		579,000	0,6873	6,23642	210,21	524,97	65365 42741	0,2365	418	414	2
U- 232 000 1959 ODS 02/08/65		581,000	0,5809	6,19356	304,54	757,91	64507 35654	0,2373	369	365	2
U- 232 000 1959 ODS 02/08/65		583,000	0,4253	6,15114	479,25	1188,61	64910 26269	0,2381	381	377	2
U- 232 000 1959 ODS 02/08/65		585,000	0,2400	6,10915	800,11	1977,61	64665 14764	0,2389	396	392	2
U- 232 000 1959 ODS 02/08/65		587,000	0,0985	6,06759	1299,30	3200,51	65721 6159	0,2397	369	366	2
U- 232 000 1959 ODS 02/08/65		589,000	0,0381	6,02646	1832,21	4497,87	65587 2375	0,2405	387	383	2
U- 232 000 1959 ODS 02/08/65		591,000	0,0197	5,98574	2202,45	5388,45	64390 1204	0,2414	350	346	2
U- 232 000 1959 ODS 02/08/65		593,000	0,0192	5,94543	2215,60	5402,35	64676 1182	0,2422	341	337	2
U- 232 000 1959 ODS 02/08/65		595,000	0,0520	5,90553	1657,50	4027,94	64846 3207	0,2430	361	357	2
U- 232 000 1959 ODS 02/08/65		597,000	0,1629	5,86602	1017,12	2463,45	64681 10026	0,2438	382	378	2
U- 232 000 1959 ODS 02/08/65		599,000	0,3359	5,82692	611,53	1476,18	64464 20603	0,2446	387	383	2
U- 232 000 1959 ODS 02/08/65		601,000	0,5030	5,78820	385,21	926,76	64513 30878	0,2454	318	315	2
U- 232 000 1959 ODS 02/08/65		603,000	0,6309	5,74987	258,19	619,12	65200 39146	0,2463	365	361	2
U- 232 000 1959 ODS 02/08/65		605,000	0,7155	5,71192	187,67	448,52	64486 43912	0,2471	369	365	2
U- 232 000 1959 ODS 02/08/65		607,000	0,7728	5,67434	144,47	344,15	64756 47632	0,2479	346	342	2
U- 232 000 1959 ODS 02/08/65		609,000	0,8173	5,63713	113,13	268,61	63872 49687	0,2487	302	299	2
U- 232 000 1959 ODS 02/08/65		612,000	0,8666	5,58200	80,26	189,62	127865 105488	0,2499	725	718	4
U- 232 000 1959 ODS 02/08/65		617,000	0,9028	5,49189	57,34	134,37	192976 165867	0,2520	987	977	6
U- 232 000 1959 ODS 02/08/65		623,000	0,9226	5,38662	45,15	104,78	191461 168164	0,2544	904	895	6
U- 232 000 1959 ODS 02/08/65		629,000	0,9451	5,28435	31,63	72,71	189323 170324	0,2569	922	913	6
U- 232 000 1959 ODS 02/08/65		635,000	0,9455	5,18496	31,44	71,58	192220 179976	0,2593	900	891	6
U- 232 000 1959 ODS 02/08/65		641,000	0,9544	5,08834	26,15	58,99	188128 170885	0,2618	853	844	6
U- 232 000 1959 ODS 02/08/65		651,000	0,9613	4,93322	22,14	49,18	440289 402751	0,2659	1964	1944	14
U- 232 000 1959 ODS 02/08/65		665,000	0,9655	4,72769	19,71	42,85	438149 402482	0,2716	1812	1794	14
U- 232 000 1959 ODS 02/08/65		680,000	0,9680	4,52142	18,23	38,77	495096 456063	0,2777	1724	1707	16
U- 232 000 1959 ODS 02/08/65		696,000	0,9686	4,31593	17,88	37,14	449953 414868	0,2842	1887	1868	16
U- 232 000 1959 ODS 02/08/65		712,000	0,9679	4,12413	18,28	37,11	473606 436468	0,2908	1615	1599	16
U- 232 000 1959 ODS 02/08/65		729,000	0,9720	3,93403	15,91	31,56	544766 504129	0,2977	1696	1679	18
U- 232 000 1959 ODS 02/08/65		749,000	0,9730	3,72674	15,32	29,58	660770 611213	0,3059	2049	2028	22
U- 232 000 1959 ODS 02/08/65		770,000	0,9732	3,52623	15,20	28,55	595429 550706	0,3145	1685	1668	20
U- 232 000 1959 ODS 02/08/65		792,000	0,9722	3,33305	15,79	28,82	704268 651358	0,3235	2063	2042	24
U- 232 000 1959 ODS 02/08/65		817,000	0,9728	3,13219	15,45	27,34	751762 696206	0,3337	2076	2055	26
U- 232 000 1959 ODS 02/08/65		845,000	0,9703	2,92805	16,89	28,89	891066 786278	0,3451	2236	2213	30
U- 232 000 1959 ODS 02/08/65		876,000	0,9704	2,72448	16,82	27,76	890592 822903	0,3578	2492	2467	32
U- 232 000 1959 ODS 02/08/65		910,000	0,9714	2,52470	16,24	25,80	978495 904624	0,3716	2785	2757	36
U- 232 000 1959 ODS 02/08/65		948,000	0,9686	2,32635	17,89	27,29	1054514 965744	0,3872	2958	2928	40
U- 232 000 1959 ODS 02/08/65		992,000	0,9669	2,12456	18,88	27,53	1222069 1120213	0,4051	3529	3494	48
U- 232 000 1959 ODS 02/08/65		1043,000	0,8915	1,92187	64,41	89,30	1315475 1109153	0,4260	4067	4026	54
U- 232 000 1959 ODS 02/08/65		1102,000	0,9614	1,72159	22,08	28,97	1478300 1339913	0,4501	4519	4474	64
U- 232 000 1959 ODS 02/08/65		1172,000	0,9664	1,52208	19,15	23,63	1639612 1501518	0,4766	5281	5228	76
U- 232 000 1959 ODS 02/08/65		1257,000	0,9661	1,32319	19,32	22,23	1852850 1699476	0,5134	6901	6832	94
U- 232 000 1959 ODS 02/08/65		1365,000	0,9648	1,12209	20,09	21,28	2104400 1928878	0,5575	9262	9170	122
U- 232 000 1959 ODS 02/08/65		1507,000	0,9646	0,92059	20,19	19,37	2263890 2074964	0,6155	13738	13600	162
U- 232 000 1959 ODS 02/08/65		1706,000	0,9595	0,71835	23,20	19,66	1810800 1650259	0,6967	26609	26343	236
U- 232 000 1959 ODS 02/08/65		1931,000	0,961								

RUN 1960

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
U- 232 000 1960 ODS 02/08/65		15,000	0.9260	9292,01770	22,09	129,44	15358 13144	0,0120	4308	4222	2
U- 232 000 1960 ODS 02/08/65		16,000	0.9241	8166,81250	22,67	048,32	13546 11570	0,0128	4401	4313	2
U- 232 000 1960 ODS 02/08/65		17,000	0.9336	7234,26984	19,73	677,76	14124 12187	0,0136	3075	3014	2
U- 232 000 1960 ODS 02/08/65		18,000	0.9256	6452,79010	22,19	782,86	13117 11221	0,0144	3084	3022	2
U- 232 000 1960 ODS 02/08/65		19,000	0.9431	5791,42377	16,81	279,82	14344 12503	0,0152	2477	2428	2
U- 232 000 1960 ODS 02/08/65		20,000	0.9491	5226,75999	15,02	085,68	14727 12916	0,0160	2346	2299	2
U- 232 000 1960 ODS 02/08/65		21,000	0.9283	4740,82538	21,36	470,49	15137 12986	0,0168	1745	1710	2
U- 232 000 1960 ODS 02/08/65		22,000	0.9308	4319,63635	20,60	354,02	14984 12888	0,0176	1437	1408	2
U- 232 000 1960 ODS 02/08/65		23,000	0.9315	3952,18146	20,37	280,31	15194 13080	0,0184	1063	1042	2
U- 232 000 1960 ODS 02/08/65		24,000	0.9179	3629,69448	24,62	483,14	15070 12782	0,0192	1501	1471	2
U- 232 000 1960 ODS 02/08/65		25,000	0.9433	3345,12637	16,77	970,20	14428 12576	0,0200	1687	1653	2
U- 232 000 1960 ODS 02/08/65		26,000	0.9210	3092,75739	23,62	313,57	15326 13043	0,0208	833	817	2
U- 232 000 1960 ODS 02/08/65		27,000	0.9316	2867,90671	20,35	089,65	13404 11539	0,0216	1469	1439	2
U- 232 000 1960 ODS 02/08/65		28,000	0.9406	2666,71426	17,57	907,57	12734 11068	0,0224	1384	1357	2
U- 232 000 1960 ODS 02/08/65		29,000	0.9095	2485,97382	27,23	357,61	13014 10937	0,0232	926	907	2
U- 232 000 1960 ODS 02/08/65		30,000	0.9240	2323,00443	22,71	094,35	12419 10603	0,0240	1279	1253	2
U- 232 000 1960 ODS 02/08/65		31,000	0.9104	2175,55045	26,95	257,15	14020 11793	0,0248	615	602	2
U- 232 000 1960 ODS 02/08/65		32,000	0.9195	2041,70313	24,11	089,45	14383 12219	0,0256	694	680	2
U- 232 000 1960 ODS 02/08/65		33,000	0.9225	1919,83838	23,18	015,47	14486 12347	0,0264	889	871	2
U- 232 000 1960 ODS 02/08/65		34,000	0.9274	1808,56746	21,65	920,52	14447 12379	0,0272	810	794	2
U- 232 000 1960 ODS 02/08/65		35,000	0.9328	1706,69713	19,97	825,08	14735 12499	0,0280	514	504	2
U- 232 000 1960 ODS 02/08/65		36,000	0.9129	1613,19753	26,18	051,49	14904 12570	0,0288	486	476	2
U- 232 000 1960 ODS 02/08/65		37,000	0.9020	1527,17604	29,64	158,12	14538 12115	0,0296	725	710	2
U- 232 000 1960 ODS 02/08/65		38,000	0.9218	1447,85594	23,39	889,88	14126 12030	0,0304	760	745	2
U- 232 000 1960 ODS 02/08/65		39,000	0.9186	1374,55884	24,40	904,47	14368 12193	0,0312	746	731	2
U- 232 000 1960 ODS 02/08/65		40,000	0.9184	1306,68999	24,45	883,88	13706 11629	0,0320	1124	1101	2
U- 232 000 1960 ODS 02/08/65		41,000	0.9119	1243,72635	26,50	934,51	13469 11346	0,0328	1025	1005	2
U- 232 000 1960 ODS 02/08/65		42,000	0.9229	1185,20634	23,05	793,71	12538 10689	0,0336	1327	1300	2
U- 232 000 1960 ODS 02/08/65		43,000	0.8908	1130,72147	33,19	116,21	12323 10141	0,0344	1319	1293	2
U- 232 000 1960 ODS 02/08/65		44,000	0.9084	1079,90909	27,59	906,76	13041 10943	0,0352	1166	1143	2
U- 232 000 1960 ODS 02/08/65		45,000	0.9126	1032,44641	26,27	844,10	13017 10973	0,0360	1515	1485	2
U- 232 000 1960 ODS 02/08/65		46,000	0.9080	988,04536	27,73	871,68	13360 11206	0,0368	1601	1569	2
U- 232 000 1960 ODS 02/08/65		47,000	0.9202	946,44817	23,89	734,97	13643 11597	0,0376	1472	1442	2
U- 232 000 1960 ODS 02/08/65		48,000	0.9305	907,42361	20,69	623,39	13474 11581	0,0384	1448	1419	2
U- 232 000 1960 ODS 02/08/65		49,000	0.9291	870,76385	21,11	622,96	13164 11298	0,0392	1729	1694	2
U- 232 000 1960 ODS 02/08/65		50,000	0.9145	836,28159	25,68	742,74	13333 11262	0,0400	1602	1570	2
U- 232 000 1960 ODS 02/08/65		51,000	0.9277	803,80776	21,56	611,21	13164 11280	0,0408	1493	1463	2
U- 232 000 1960 ODS 02/08/65		52,000	0.9053	773,18938	28,57	794,49	13265 11093	0,0416	1451	1422	2
U- 232 000 1960 ODS 02/08/65		53,000	0.8920	744,28764	32,83	895,55	13348 10997	0,0424	1452	1423	2
U- 232 000 1960 ODS 02/08/65		54,000	0.9099	716,97668	27,11	725,90	13210 11102	0,0432	1509	1479	2
U- 232 000 1960 ODS 02/08/65		55,000	0.9114	691,14182	26,64	700,28	13274 11174	0,0440	1308	1282	2
U- 232 000 1960 ODS 02/08/65		56,000	0.8816	666,67857	36,19	934,45	13497 10990	0,0448	1220	1195	2
U- 232 000 1960 ODS 02/08/65		57,000	0.8886	643,49153	33,91	860,31	12646 10379	0,0456	1542	1511	2
U- 232 000 1960 ODS 02/08/65		58,000	0.8907	621,49345	33,23	828,44	12981 10679	0,0464	1217	1192	2
U- 232 000 1960 ODS 02/08/65		59,000	0.8990	600,60442	30,57	749,14	12698 10543	0,0472	1157	1134	2
U- 232 000 1960 ODS 02/08/65		60,000	0.9037	580,75111	29,09	701,15	12376 10329	0,0480	1246	1221	2
U- 232 000 1960 ODS 02/08/65		61,000	0.9246	561,86616	22,52	533,83	12506 10679	0,0488	1087	1066	2
U- 232 000 1960 ODS 02/08/65		62,000	0.9121	543,88761	26,42	616,20	12563 10582	0,0496	1016	994	2
U- 232 000 1960 ODS 02/08/65		63,000	0.9277	526,75838	21,55	494,65	12540 10744	0,0504	810	794	2
U- 232 000 1960 ODS 02/08/65		64,000	0.8830	510,42578	35,73	807,25	12743 10391	0,0512	742	727	2
U- 232 000 1960 ODS 02/08/65		65,000	0.8964	494,86118	31,52	701,07	12455 10306	0,0520	713	699	2
U- 232 000 1960 ODS 02/08/65		66,000	0.9070	479,95959	29,05	614,44	12422 10404	0,0528	664	650	2
U- 232 000 1960 ODS 02/08/65		67,000	0.9027	465,73936	29,40	634,55	12489 10411	0,0536	471	462	2
U- 232 000 1960 ODS 02/08/65		68,000	0.8766	452,14186	37,81	804,01	12293 9952	0,0544	566	555	2
U- 232 000 1960 ODS 02/08/65		69,000	0.8665	439,13127	41,17	862,65	12134 9708	0,0552	545	534	2
U- 232 000 1960 ODS 02/08/65		70,000	0.8784	426,67428	37,24	769,14	12002 9735	0,0560	541	530	2
U- 232 000 1960 ODS 02/08/65		71,000	0.8931	414,73993	32,47	661,34	11841 9765	0,0568	466	456	2
U- 232 000 1960 ODS 02/08/65		72,000	0.9368	403,29938	18,75	376,63	11453 9908	0,0576	504	494	2
U- 232 000 1960 ODS 02/08/65		73,000	0.9106	392,32576	26,89	532,68	11433 9614	0,0584	418	409	2
U- 232 000 1960 ODS 02/08/65		74,000	0.9078	381,79401	27,79	542,96	10884 9124	0,0592	357	350	2
U- 232 000 1960 ODS 02/08/65		75,000	0.9489	371,68071	15,06	290,30	9393 8231	0,0600	474	465	2
U- 232 000 1960 ODS 02/08/65		76,000	0.9349	361,96399	19,33	367,79	7964 6875	0,0608	398	390	2
U- 232 000 1960 ODS 02/08/65		77,000	0.8607	352,62337	43,07	808,84	6030 4792	0,0616	450	441	2
U- 232 000 1960 ODS 02/08/65		78,000	0.8695	343,63971	40,17	744,59	4759 3821	0,0624	454	445	2
U- 232 000 1960 ODS 02/08/65		79,000	0.8698	334,99503	40,07	733,46	5709 4584	0,0632	417	408	2
U- 232 000 1960 ODS 02/08/65		80,000	0.8755	326,67250	38,20	690,44	7497 6060	0,0640	443	434	2
U- 232 000 1960 ODS 02/08/65		81,000	0.8504	318,65630	46,55	830,88	9110 7153	0,0648	443	434	2
U- 232 000 1960 ODS 02/08/65		82,000	0.8766	310,93159	37,82	666,84	10366 8390	0,0656	395	387	2
U- 232 000 1960 ODS 02/08/65		83,000	0.8840	303,48449	44,78	805,43	10643 8707	0,0664	475	466	2
U- 232 000 1960 ODS 02/08/65		84,000	0.9013	296,30159	29,84	513,57	10952 9114	0,0672	381	374	2
U- 232 000 1960 ODS 02/08/65		85,000	0.9225	289,37079	23,17	394,12	11158 9503	0,0680	348	341	2
U- 232 000 1960 ODS 02/08/65		86,000	0.9210	282,68037	23,65	397,58	11406 9698	0,0688	533	522	2
U- 232 000 1960 ODS 02/08/65		87,000	0.8993	276,21931	30,48	506,56	11535 9577	0,0696	378	370	2
U- 232 000 1960 ODS 02/08/65		88,000	0.8903	269,97727	33,38	548,47	11705 9620	0,0704	331	325	2
U- 232 000 1960 ODS 02/08/65		89,000	0.8262	263,94445	54,82	890,65	11777 8983	0,0712	427	418	2
U- 232 000 1960 ODS 02/08/65		90,000	0.7456	258,11160	84,32	354,67	11829 8142	0,0720	417	409	2
U- 232 000 1960 ODS 02/08/65		91,000	0.8276	252,46999	54,35	863,57	11579 8846	0,0728	454	445	2
U- 232 000 1960 ODS 02/08/65		92,000	0.9148	247,01134	25,58	402,03	11712 9891	0,0736	408	400	2
U- 232 000 1960 ODS 02/08/65		93,000	0.9228	241,72783	23,09	358,93	11781 10036	0,0744	498	488	2
U- 232 000 1960 ODS 02/08/65		94,000	0.9143	236,61204	25,75	396,03	11814 9971	0,0752	465	455	2
U- 232 000 1960 ODS 02/08/65		95,000	0.9573	231,65695	12,59	190,94	11647 10292	0,0760	516	506	2
U- 232 000 1960 ODS 02/08/65		96,000	0.8977	226,85590	31,01	467,02	11845 9815	0,0768	507	497	2
U- 232 000 1960 ODS 02/08/65		97,000	0.9052	222,20257	28,61	426,46	11889 9934	0,0776	372	364	2
U- 2											

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.
U- 232 000 1960 ODS 02/08/65		101.000	0.9094	204,95089	27.29	390.68	11628 9760	0.0808	447 438	2
U- 232 000 1960 ODS 02/08/65		102.000	0.8919	200,95194	32.86	465.89	11803 9717	0.0816	496 486	2
U- 232 000 1960 ODS 02/08/65		103.000	0.8769	197,06890	37.72	529.52	11480 9292	0.0824	482 473	2
U- 232 000 1960 ODS 02/08/65		104.000	0.7721	193,29734	74.27	632.65	11573 8248	0.0832	513 503	2
U- 232 000 1960 ODS 02/08/65		105.000	0.7802	189,63301	102.37	409.65	11588 7489	0.0840	477 467	2
U- 232 000 1960 ODS 02/08/65		106.000	0.7805	186,07191	71.18	470.92	11439 9240	0.0848	537 526	2
U- 232 000 1960 ODS 02/08/65		107.000	0.8858	182,61018	34.81	470.46	11895 9226	0.0856	396 388	2
U- 232 000 1960 ODS 02/08/65		108.000	0.9058	179,24417	28.41	380.40	11789 9856	0.0864	393 385	2
U- 232 000 1960 ODS 02/08/65		109.000	0.9065	175,97037	30.06	398.79	11385 9464	0.0872	432 423	2
U- 232 000 1960 ODS 02/08/65		110.000	0.9219	172,78548	23.37	307.18	11289 9605	0.0880	421 413	2
U- 232 000 1960 ODS 02/08/65		111.000	0.9110	169,68623	26.78	348.80	11652 9796	0.0888	337 330	2
U- 232 000 1960 ODS 02/08/65		112.000	0.9248	166,66964	22.47	290.03	11597 9898	0.0896	339 333	2
U- 232 000 1960 ODS 02/08/65		113.000	0.8831	163,73279	35.70	456.80	11608 9461	0.0904	356 348	2
U- 232 000 1960 ODS 02/08/65		114.000	0.8434	160,87288	48.92	620.50	11512 8960	0.0912	304 298	2
U- 232 000 1960 ODS 02/08/65		115.000	0.7655	158,08726	76.75	965.04	11186 7903	0.0920	377 370	2
U- 232 000 1960 ODS 02/08/65		116.000	0.8265	155,37336	54.74	682.27	11275 8600	0.0928	364 357	2
U- 232 000 1960 ODS 02/08/65		117.000	0.8311	152,72876	53.14	656.69	11418 8757	0.0936	331 324	2
U- 232 000 1960 ODS 02/08/65		118.000	0.8525	150,15111	45.84	561.65	11287 8880	0.0944	301 295	2
U- 232 000 1960 ODS 02/08/65		119.000	0.8261	147,63816	54.87	666.65	11449 8729	0.0952	298 292	2
U- 232 000 1960 ODS 02/08/65		120.000	0.7193	145,18778	94.63	140.24	10981 7289	0.0960	316 310	2
U- 232 000 1960 ODS 02/08/65		121.000	0.6945	142,79790	104.72	251.33	10951 7018	0.0968	308 302	2
U- 232 000 1960 ODS 02/08/65		122.000	0.8720	140,46654	39.34	466.21	10630 8554	0.0976	325 318	2
U- 232 000 1960 ODS 02/08/65		123.000	0.9524	138,91812	14.02	164.80	10246 9005	0.0984	350 343	2
U- 232 000 1960 ODS 02/08/65		124.000	0.9301	135,97190	20.81	242.66	10066 8640	0.0992	329 322	2
U- 232 000 1960 ODS 02/08/65		125.000	0.8411	133,80506	49.69	574.74	10064 7811	0.1000	252 247	2
U- 232 000 1960 ODS 02/08/65		126.000	0.7344	131,68959	88.67	017.50	10112 6852	0.1008	295 289	2
U- 232 000 1960 ODS 02/08/65		127.000	0.6219	129,62391	136.43	553.28	10283 5901	0.1016	286 280	2
U- 232 000 1960 ODS 02/08/65		128.000	0.7633	127,60645	77.59	876.45	10563 7439	0.1024	248 243	2
U- 232 000 1960 ODS 02/08/65		129.000	0.8334	125,63572	52.35	586.81	10804 8308	0.1032	276 270	2
U- 232 000 1960 ODS 02/08/65		130.000	0.9110	123,71030	26.78	297.89	10679 8977	0.1040	287 282	2
U- 232 000 1960 ODS 02/08/65		131.000	0.9365	121,82880	18.84	207.97	11200 9678	0.1048	225 220	2
U- 232 000 1960 ODS 02/08/65		132.000	0.9302	119,98990	20.79	227.70	11091 9520	0.1056	263 258	2
U- 232 000 1960 ODS 02/08/65		133.000	0.9366	118,19232	18.80	204.37	11023 9526	0.1064	282 276	2
U- 232 000 1960 ODS 02/08/65		134.000	0.8993	116,43484	30.48	328.85	10939 9077	0.1072	274 269	2
U- 232 000 1960 ODS 02/08/65		135.000	0.7982	114,71627	64.74	693.37	11100 8175	0.1080	266 260	2
U- 232 000 1960 ODS 02/08/65		136.000	0.8095	113,03547	60.71	645.41	11036 8242	0.1088	236 231	2
U- 232 000 1960 ODS 02/08/65		137.000	0.8405	111,39134	49.89	526.56	10759 8344	0.1096	296 290	2
U- 232 000 1960 ODS 02/08/65		138.000	0.6661	109,78282	116.71	222.86	10955 6732	0.1104	272 267	2
U- 232 000 1960 ODS 02/08/65		139.000	0.5727	108,20889	160.08	665.19	11026 5826	0.1112	268 263	2
U- 232 000 1960 ODS 02/08/65		140.000	0.7151	106,66857	96.33	994.87	10929 7210	0.1120	255 250	2
U- 232 000 1960 ODS 02/08/65		141.000	0.8166	105,16091	58.20	596.84	11045 8321	0.1128	247 242	2
U- 232 000 1960 ODS 02/08/65		142.000	0.8542	103,68498	45.25	460.71	10981 8654	0.1136	264 259	2
U- 232 000 1960 ODS 02/08/65		143.000	0.8769	102,23991	37.72	381.41	11192 9055	0.1144	267 262	2
U- 232 000 1960 ODS 02/08/65		144.000	0.9475	100,82485	15.47	155.37	11144 9742	0.1152	258 252	2
U- 232 000 1960 ODS 02/08/65		145.000	0.9259	99,43895	22.10	220.38	11031 9423	0.1160	284 278	2
U- 232 000 1960 ODS 02/08/65		146.000	0.9572	98,08144	12.55	124.33	10892 9618	0.1168	269 264	2
U- 232 000 1960 ODS 02/08/65		147.000	0.9256	96,75154	22.20	218.41	11060 9444	0.1176	285 280	2
U- 232 000 1960 ODS 02/08/65		148.000	0.9407	95,44850	17.55	171.48	11020 9564	0.1184	274 268	2
U- 232 000 1960 ODS 02/08/65		149.000	0.9496	94,17161	14.84	144.00	10879 9531	0.1192	311 305	2
U- 232 000 1960 ODS 02/08/65		150.000	0.9412	92,92018	17.40	167.72	10956 9513	0.1200	318 311	2
U- 232 000 1960 ODS 02/08/65		151.000	0.9631	91,69352	10.80	103.39	10689 9497	0.1208	323 316	2
U- 232 000 1960 ODS 02/08/65		152.000	0.9606	90,49100	11.54	109.81	10802 9572	0.1216	357 350	2
U- 232 000 1960 ODS 02/08/65		153.000	0.9499	89,12197	14.77	139.56	11041 9674	0.1224	298 289	2
U- 232 000 1960 ODS 02/08/65		154.000	0.9692	88,15584	8.97	84.25	11119 9241	0.1232	306 300	2
U- 232 000 1960 ODS 02/08/65		155.000	0.9310	87,02202	20.53	191.52	11137 9864	0.1240	317 310	2
U- 232 000 1960 ODS 02/08/65		156.000	0.9270	85,90993	21.78	201.83	10970 9380	0.1248	327 320	2
U- 232 000 1960 ODS 02/08/65		157.000	0.9468	84,81902	15.72	144.73	10936 9551	0.1256	330 324	2
U- 232 000 1960 ODS 02/08/65		158.000	0.9518	83,74876	14.19	129.84	10776 9461	0.1264	344 337	2
U- 232 000 1960 ODS 02/08/65		159.000	0.9308	82,69863	20.58	187.20	10943 9396	0.1272	353 346	2
U- 232 000 1960 ODS 02/08/65		160.000	0.9372	81,66812	18.61	168.21	10701 9251	0.1280	326 319	2
U- 232 000 1960 ODS 02/08/65		161.000	0.9650	80,65676	10.22	91.80	10605 9440	0.1288	401 393	2
U- 232 000 1960 ODS 02/08/65		162.000	0.8992	79,66407	30.51	272.28	10936 9071	0.1296	377 369	2
U- 232 000 1960 ODS 02/08/65		163.000	0.8954	78,68960	31.73	281.46	10686 8826	0.1304	398 390	2
U- 232 000 1960 ODS 02/08/65		164.000	0.8664	77,73290	41.20	363.24	10563 8441	0.1312	415 407	2
U- 232 000 1960 ODS 02/08/65		165.000	0.7167	76,79354	95.68	838.45	10632 7028	0.1320	440 431	2
U- 232 000 1960 ODS 02/08/65		166.000	0.4497	75,87110	229.52	999.22	10594 4394	0.1328	409 401	2
U- 232 000 1960 ODS 02/08/65		167.000	0.2666	74,96518	379.71	287.61	10603 2607	0.1336	488 478	2
U- 232 000 1960 ODS 02/08/65		168.000	0.4654	74,07540	219.65	890.47	10563 4534	0.1344	448 439	2
U- 232 000 1960 ODS 02/08/65		169.000	0.7439	73,20136	84.97	727.02	10552 7240	0.1352	493 483	2
U- 232 000 1960 ODS 02/08/65		170.000	0.8891	72,34270	33.77	287.23	10549 8650	0.1360	444 435	2
U- 232 000 1960 ODS 02/08/65		171.000	0.9283	71,49906	21.38	180.81	10735 9190	0.1368	415 407	2
U- 232 000 1960 ODS 02/08/65		172.000	0.9234	70,67009	22.87	192.28	10860 9249	0.1376	480 470	2
U- 232 000 1960 ODS 02/08/65		173.000	0.9334	69,65546	19.78	165.33	10454 9000	0.1384	572 561	2
U- 232 000 1960 ODS 02/08/65		174.000	0.9353	69,05483	19.21	159.62	10445 9009	0.1392	555 544	2
U- 232 000 1960 ODS 02/08/65		175.000	0.9482	68,26789	15.28	126.22	10332 9035	0.1400	519 508	2
U- 232 000 1960 ODS 02/08/65		176.000	0.9498	67,49432	14.79	121.53	10565 9254	0.1408	486 476	2
U- 232 000 1960 ODS 02/08/65		177.000	0.9265	66,73382	21.94	179.21	10405 8890	0.1416	562 551	2
U- 232 000 1960 ODS 02/08/65		178.000	0.9228	65,98611	23.07	187.37	10461 8902	0.1424	497 487	2
U- 232 000 1960 ODS 02/08/65		179.000	0.9520	65,25090	14.12	114.02	10394 9125	0.1432	524 513	2
U- 232 000 1960 ODS 02/08/65		180.000	0.9551	64,52790	13.18	105.89	10370 9134	0.1440	457 448	2
U- 232 000 1960 ODS 02/08/65		181.000	0.9358	63,81685	19.08	152.24	10449 9017	0.1448	488 478	2
U- 232 000 1960 ODS 02/08/65		182.000	0.9429	63,11750	16.89	134.16	10238 8902	0.1456	454 445	2
U- 232 000 1960 ODS 02/08/65		183.000	0.9531	62,42957	13.79	108.26	10397 9138	0.1464	500 490	2
U- 232 000 1960 ODS 02/08/65		184.000	0.9413	61,75284	17.37	136.53	10227 8877	0.1472	464 454	2
U- 232 000 1960 ODS 02/08/65		185.000	0.9285	61,08704	21.31	166.59	10227 8756	0.1480	503 492	2
U- 232 000 1960 ODS 02/08/65		186.000	0.8652	60,43196	35.03	272.34	10375 8469	0.1488	382 374	2
U- 232 000 1960 ODS 02/08/65		187.000	0.8390	59,78735	50					

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
U- 232 000 1960 ODS 02/08/65	201.000	0.9245	51.74882	22.54	162.15	9941	8473	0.1608	393	385	2
U- 232 000 1960 ODS 02/08/65	202.000	0.9421	51.23772	17.12	122.51	10071	8748	0.1616	400	392	2
U- 232 000 1960 ODS 02/08/65	203.000	0.9189	50.73416	24.29	173.00	10125	8577	0.1624	329	322	2
U- 232 000 1960 ODS 02/08/65	204.000	0.9410	50.23799	17.47	123.86	10148	8803	0.1632	329	322	2
U- 232 000 1960 ODS 02/08/65	205.000	0.9189	49.74905	24.29	171.34	10059	8522	0.1640	370	363	2
U- 232 000 1960 ODS 02/08/65	206.000	0.9043	49.26723	28.90	202.87	10013	8347	0.1648	394	386	2
U- 232 000 1960 ODS 02/08/65	207.000	0.9198	48.79236	24.01	167.68	9817	8324	0.1656	381	374	2
U- 232 000 1960 ODS 02/08/65	208.000	0.8351	48.32433	51.76	359.81	9969	7675	0.1664	320	314	2
U- 232 000 1960 ODS 02/08/65	209.000	0.7579	47.86301	79.61	550.80	10040	7015	0.1672	342	335	2
U- 232 000 1960 ODS 02/08/65	210.000	0.8560	47.40825	44.66	307.49	9792	7727	0.1680	333	326	2
U- 232 000 1960 ODS 02/08/65	211.000	0.9057	46.95995	28.44	194.87	9688	8089	0.1688	326	319	2
U- 232 000 1960 ODS 02/08/65	212.000	0.9266	46.51798	21.88	149.24	9856	8419	0.1696	313	306	2
U- 232 000 1960 ODS 02/08/65	213.000	0.9317	46.08221	20.32	137.96	9734	8360	0.1704	347	340	2
U- 232 000 1960 ODS 02/08/65	214.000	0.9114	45.65255	26.65	180.09	9914	8329	0.1712	309	303	2
U- 232 000 1960 ODS 02/08/65	215.000	0.9115	45.22886	26.63	179.08	9896	8315	0.1720	299	293	2
U- 232 000 1960 ODS 02/08/65	216.000	0.9150	44.81104	25.53	170.88	9534	8041	0.1728	312	306	2
U- 232 000 1960 ODS 02/08/65	217.000	0.8757	44.39899	38.13	254.04	9526	7690	0.1736	308	302	2
U- 232 000 1960 ODS 02/08/65	218.000	0.6863	43.99259	108.12	717.11	9848	6230	0.1744	332	326	2
U- 232 000 1960 ODS 02/08/65	219.000	0.3949	43.59175	266.86	761.91	9777	3558	0.1752	284	278	2
U- 232 000 1960 ODS 02/08/65	220.000	0.3706	43.19636	285.08	873.67	9878	3374	0.1760	276	270	2
U- 232 000 1960 ODS 02/08/65	221.000	0.6788	42.80633	111.27	728.01	9676	6054	0.1768	321	314	2
U- 232 000 1960 ODS 02/08/65	222.000	0.8606	42.42156	43.11	280.81	9598	7613	0.1776	344	338	2
U- 232 000 1960 ODS 02/08/65	223.000	0.8970	42.04199	31.21	202.36	9843	8138	0.1784	286	280	2
U- 232 000 1960 ODS 02/08/65	224.000	0.9110	41.66741	26.76	172.72	9899	8312	0.1792	276	271	2
U- 232 000 1960 ODS 02/08/65	225.000	0.9273	41.29786	21.68	139.30	9747	8330	0.1800	282	276	2
U- 232 000 1960 ODS 02/08/65	226.000	0.9522	40.93320	14.07	89.99	9457	8475	0.1808	278	273	2
U- 232 000 1960 ODS 02/08/65	227.000	0.9489	40.57335	15.06	95.90	9820	8589	0.1816	232	227	2
U- 232 000 1960 ODS 02/08/65	228.000	0.9523	40.21822	14.03	88.96	9643	8464	0.1824	286	280	2
U- 232 000 1960 ODS 02/08/65	229.000	0.9450	39.86774	16.25	102.59	9605	8366	0.1832	246	241	2
U- 232 000 1960 ODS 02/08/65	230.000	0.9316	39.52181	20.35	127.91	9752	8373	0.1840	258	253	2
U- 232 000 1960 ODS 02/08/65	231.000	0.9799	39.18038	5.82	36.41	9466	8549	0.1848	272	266	2
U- 232 000 1960 ODS 02/08/65	232.000	0.9604	38.84334	11.60	72.29	9630	8524	0.1856	267	262	2
U- 232 000 1960 ODS 02/08/65	233.000	0.9376	38.51064	18.50	114.82	9593	8289	0.1864	260	255	2
U- 232 000 1960 ODS 02/08/65	234.000	0.9451	38.18219	16.21	100.18	9539	8309	0.1872	217	212	2
U- 232 000 1960 ODS 02/08/65	235.000	0.9452	37.85793	16.19	99.59	9442	8225	0.1880	249	244	2
U- 232 000 1960 ODS 02/08/65	236.000	0.9310	37.53778	20.53	125.76	9560	8203	0.1888	288	282	2
U- 232 000 1960 ODS 02/08/65	237.000	0.9493	37.22167	14.94	91.12	9412	8234	0.1896	216	211	2
U- 232 000 1960 ODS 02/08/65	238.000	0.9433	36.90954	16.77	101.91	9411	8181	0.1904	233	228	2
U- 232 000 1960 ODS 02/08/65	239.000	0.9407	36.60132	17.57	106.27	9532	8263	0.1912	211	207	2
U- 232 000 1960 ODS 02/08/65	240.000	0.9538	36.29694	13.58	81.82	9360	8227	0.1920	216	212	2
U- 232 000 1960 ODS 02/08/65	241.000	0.9485	35.99635	15.19	91.13	9362	8183	0.1928	220	215	2
U- 232 000 1960 ODS 02/08/65	242.000	0.9642	35.69947	10.47	62.58	9362	8319	0.1936	227	222	2
U- 232 000 1960 ODS 02/08/65	243.000	0.9157	35.40626	25.29	150.50	9430	7957	0.1944	229	225	2
U- 232 000 1960 ODS 02/08/65	244.000	0.9174	35.11663	24.75	146.66	9384	7933	0.1952	217	213	2
U- 232 000 1960 ODS 02/08/65	245.000	0.8206	34.83055	56.78	335.09	9493	7178	0.1960	237	232	2
U- 232 000 1960 ODS 02/08/65	246.000	0.6149	34.54795	139.65	820.81	9358	5302	0.1968	234	230	2
U- 232 000 1960 ODS 02/08/65	247.000	0.6474	34.26878	124.89	731.11	9172	5471	0.1976	239	235	2
U- 232 000 1960 ODS 02/08/65	248.000	0.8182	33.99298	57.62	335.96	9400	7087	0.1984	212	208	2
U- 232 000 1960 ODS 02/08/65	249.000	0.9043	33.72049	28.88	167.68	9496	7913	0.1992	176	172	2
U- 232 000 1960 ODS 02/08/65	250.500	0.9356	33.31786	19.12	110.34	18516	15963	0.2004	426	418	4
U- 232 000 1960 ODS 02/08/65	252.500	0.9422	32.79214	17.11	97.99	18557	16110	0.2020	413	405	4
U- 232 000 1960 ODS 02/08/65	254.500	0.9425	32.27877	17.02	96.71	18481	16049	0.2036	397	389	4
U- 232 000 1960 ODS 02/08/65	256.500	0.9025	31.77736	29.45	166.01	18519	15400	0.2052	402	394	4
U- 232 000 1960 ODS 02/08/65	258.500	0.9229	31.28754	23.05	128.95	18388	15636	0.2068	398	390	4
U- 232 000 1960 ODS 02/08/65	260.500	0.9368	30.80896	18.76	104.11	18285	15782	0.2084	392	384	4
U- 232 000 1960 ODS 02/08/65	262.500	0.9450	30.34128	16.25	89.52	18014	15684	0.2100	368	360	4
U- 232 000 1960 ODS 02/08/65	264.500	0.9366	29.88417	18.82	102.87	17891	15438	0.2116	357	350	4
U- 232 000 1960 ODS 02/08/65	266.500	0.9149	29.43731	25.54	138.56	18051	15215	0.2132	367	360	4
U- 232 000 1960 ODS 02/08/65	269.000	0.9019	28.89269	29.67	159.47	27103	22518	0.2152	579	568	6
U- 232 000 1960 ODS 02/08/65	271.000	0.8484	28.46780	47.22	251.97	9037	7063	0.2168	173	169	2
U- 232 000 1960 ODS 02/08/65	272.000	0.7365	28.25887	87.82	466.86	8913	6047	0.2176	166	162	2
U- 232 000 1960 ODS 02/08/65	273.000	0.5014	28.05222	198.30	050.26	8998	4156	0.2184	193	189	2
U- 232 000 1960 ODS 02/08/65	274.000	0.2542	27.84783	393.34	075.70	8838	2069	0.2192	189	186	2
U- 232 000 1960 ODS 02/08/65	275.000	0.2836	27.64567	361.91	092.88	8976	2345	0.2200	136	134	2
U- 232 000 1960 ODS 02/08/65	276.000	0.5452	27.44570	174.23	112.78	8858	4448	0.2208	152	149	2
U- 232 000 1960 ODS 02/08/65	277.000	0.7522	27.24790	81.77	426.86	8866	6143	0.2216	169	166	2
U- 232 000 1960 ODS 02/08/65	278.000	0.8267	27.05222	54.64	284.21	8908	6784	0.2224	168	164	2
U- 232 000 1960 ODS 02/08/65	279.500	0.8987	26.76264	30.69	158.75	17644	14606	0.2236	398	394	4
U- 232 000 1960 ODS 02/08/65	281.500	0.9130	26.38370	26.14	134.26	17662	14854	0.2252	350	340	4
U- 232 000 1960 ODS 02/08/65	283.500	0.9058	26.01276	28.43	144.08	17680	14726	0.2268	336	329	4
U- 232 000 1960 ODS 02/08/65	285.500	0.9108	25.64958	26.83	135.86	17445	14636	0.2284	365	358	4
U- 232 000 1960 ODS 02/08/65	287.500	0.8957	25.29396	31.65	159.16	17383	14341	0.2300	295	290	4
U- 232 000 1960 ODS 02/08/65	290.000	0.8525	24.85974	45.83	228.51	25753	20222	0.2320	467	457	6
U- 232 000 1960 ODS 02/08/65	292.000	0.7447	24.52036	84.68	419.31	8667	5944	0.2336	136	134	2
U- 232 000 1960 ODS 02/08/65	293.000	0.6180	24.35327	138.22	682.12	8675	4937	0.2344	139	136	2
U- 232 000 1960 ODS 02/08/65	294.000	0.3980	24.18788	264.57	301.20	8761	3211	0.2352	137	135	2
U- 232 000 1960 ODS 02/08/65	295.000	0.1869	24.02418	481.72	361.11	8451	1454	0.2360	126	123	2
U- 232 000 1960 ODS 02/08/65	296.000	0.0850	23.86213	708.04	458.70	8647	676	0.2368	162	158	2
U- 232 000 1960 ODS 02/08/65	297.000	0.1612	23.70171	524.20	552.04	8527	1265	0.2376	167	164	2
U- 232 000 1960 ODS 02/08/65	298.000	0.3996	23.54290	263.42	278.12	8568	3153	0.2384	169	166	2
U- 232 000 1960 ODS 02/08/65	299.000	0.6572	23.38569	120.57	583.06	8585	5196	0.2392	163	160	2
U- 232 000 1960 ODS 02/08/65	300.000	0.7911	23.23004	67.29	324.34	8456	6161	0.2400	163	160	2
U- 232 000 1960 ODS 02/08/65	301.000	0.8524	23.07599	45.87	220.35	8601	6752	0.2408	136	133	2
U- 232 000 1960 ODS 02/08/65	302.500	0.8859	22.84766	34.78	166.25	16941	13922	0.2420	335	329	4
U- 232 000 1960 ODS 02/08/65	305.000	0.8980	22.47465	30.91	146.55	25119	20772				

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC E	COUNTS	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
U= 232 000 1960 ODS 02/08/65		326,000	0,8423	19,67240	49,30	218,65	23942	18566	0,2808	317	311
U= 232 000 1960 ODS 02/08/65		328,500	0,8725	19,37411	39,17	172,41	15889	12764	0,2628	199	195
U= 232 000 1960 ODS 02/08/65		331,000	0,8590	19,08256	43,64	190,73	23622	18681	0,2648	368	361
U= 232 000 1960 ODS 02/08/65		333,500	0,8732	18,79753	38,93	168,79	15837	12731	0,2668	240	235
U= 232 000 1960 ODS 02/08/65		336,000	0,8903	18,51885	33,38	143,64	23450	19220	0,2688	355	348
U= 232 000 1960 ODS 02/08/65		339,000	0,8924	18,19253	32,71	139,51	23580	19371	0,2712	348	341
U= 232 000 1960 ODS 02/08/65		342,000	0,8822	17,87476	36,01	152,24	23771	19304	0,2736	357	350
U= 232 000 1960 ODS 02/08/65		345,000	0,8902	17,56525	33,40	139,98	23394	19170	0,2760	304	298
U= 232 000 1960 ODS 02/08/65		348,000	0,8745	17,26371	38,51	160,01	23277	18738	0,2784	319	313
U= 232 000 1960 ODS 02/08/65		351,000	0,9021	16,96986	29,60	121,92	22839	18964	0,2808	306	300
U= 232 000 1960 ODS 02/08/65		354,000	0,9064	16,68346	28,21	115,24	22919	19122	0,2832	281	275
U= 232 000 1960 ODS 02/08/65		357,000	0,8484	16,40424	47,22	191,24	23177	18099	0,2856	288	282
U= 232 000 1960 ODS 02/08/65		360,500	0,8658	16,08726	41,38	165,96	29845	23783	0,2884	338	331
U= 232 000 1960 ODS 02/08/65		364,000	0,8611	15,77937	42,96	170,66	22390	17744	0,2912	289	283
U= 232 000 1960 ODS 02/08/65		367,500	0,8503	15,48029	46,56	183,20	29782	23306	0,2940	345	338
U= 232 000 1960 ODS 02/08/65		371,000	0,8355	15,18954	51,61	201,14	22062	16964	0,2968	237	232
U= 232 000 1960 ODS 02/08/65		374,500	0,8020	14,90699	63,38	244,70	29827	22013	0,2996	292	286
U= 232 000 1960 ODS 02/08/65		378,500	0,7952	14,59354	65,83	251,47	28857	21115	0,3028	346	339
U= 232 000 1960 ODS 02/08/65		382,500	0,7475	14,28992	63,59	315,99	28871	19888	0,3060	339	332
U= 232 000 1960 ODS 02/08/65		385,000	0,7076	14,10494	99,33	373,05	7085	4613	0,3080	82	80
U= 232 000 1960 ODS 02/08/65		386,000	0,7399	14,03195	86,50	324,02	6955	4735	0,3088	81	79
U= 232 000 1960 ODS 02/08/65		387,000	0,6587	13,95952	119,92	448,06	7122	4316	0,3096	69	68
U= 232 000 1960 ODS 02/08/65		388,000	0,6358	13,88766	130,05	484,64	7096	4151	0,3104	64	63
U= 232 000 1960 ODS 02/08/65		389,000	0,6348	13,81635	130,50	485,09	7088	4140	0,3112	64	63
U= 232 000 1960 ODS 02/08/65		390,000	0,5843	13,74559	154,32	572,15	7078	3805	0,3120	74	73
U= 232 000 1960 ODS 02/08/65		391,000	0,5840	13,67537	154,48	571,28	6984	3752	0,3128	52	51
U= 232 000 1960 ODS 02/08/65		392,000	0,4977	13,60569	200,41	739,24	7197	3295	0,3136	90	89
U= 232 000 1960 ODS 02/08/65		393,000	0,4679	13,53653	218,14	802,58	6809	2931	0,3144	105	103
U= 232 000 1960 ODS 02/08/65		394,000	0,4147	13,46791	252,80	927,74	6960	2655	0,3152	79	78
U= 232 000 1960 ODS 02/08/65		395,000	0,3596	13,39980	293,77	1075,36	7010	2319	0,3160	68	67
U= 232 000 1960 ODS 02/08/65		396,000	0,2965	13,33221	349,16	1274,91	6946	1894	0,3168	63	62
U= 232 000 1960 ODS 02/08/65		397,000	0,2340	13,26513	417,18	1519,43	6982	1503	0,3176	90	88
U= 232 000 1960 ODS 02/08/65		398,000	0,1642	13,19856	518,90	1885,14	7042	1063	0,3184	52	51
U= 232 000 1960 ODS 02/08/65		399,000	0,1005	13,13248	689,97	991,65	6791	627	0,3192	76	74
U= 232 000 1960 ODS 02/08/65		400,000	0,0578	13,06690	818,90	1260,18	6926	368	0,3200	69	68
U= 232 000 1960 ODS 02/08/65		401,000	0,0291	13,00181	1015,75	1622,59	6861	183	0,3208	77	75
U= 232 000 1960 ODS 02/08/65		402,000	0,0190	12,93720	1137,75	1922,31	7025	123	0,3216	61	60
U= 232 000 1960 ODS 02/08/65		403,000	0,0151	12,87308	1205,15	2323,98	6821	94	0,3224	51	50
U= 232 000 1960 ODS 02/08/65		404,000	0,0095	12,80943	1337,72	2787,73	6895	60	0,3232	72	70
U= 232 000 1960 ODS 02/08/65		405,000	0,0084	12,74625	1371,48	3296,43	6790	52	0,3240	56	55
U= 232 000 1960 ODS 02/08/65		406,000	0,0069	12,68354	1428,35	3866,92	6827	43	0,3248	51	50
U= 232 000 1960 ODS 02/08/65		407,000	0,0057	12,62129	1483,47	4470,26	6971	36	0,3256	68	67
U= 232 000 1960 ODS 02/08/65		408,000	0,0104	12,55950	1510,53	5044,43	6710	64	0,3264	57	56
U= 232 000 1960 ODS 02/08/65		409,000	0,0178	12,49816	1557,40	5619,73	6896	112	0,3272	57	56
U= 232 000 1960 ODS 02/08/65		410,000	0,0425	12,43726	1907,27	6299,62	6769	264	0,3280	78	77
U= 232 000 1960 ODS 02/08/65		411,000	0,0980	12,37682	2667,25	8347,43	6809	613	0,3288	64	62
U= 232 000 1960 ODS 02/08/65		412,000	0,1647	12,31681	3518,07	10818,20	6730	1019	0,3296	73	72
U= 232 000 1960 ODS 02/08/65		413,000	0,2344	12,25733	420,35	518,66	6756	1435	0,3304	72	71
U= 232 000 1960 ODS 02/08/65		414,000	0,3282	12,19809	568,00	717,62	6778	2046	0,3312	44	43
U= 232 000 1960 ODS 02/08/65		415,000	0,3926	12,13938	768,50	935,51	6701	2420	0,3320	68	66
U= 232 000 1960 ODS 02/08/65		416,000	0,4643	12,08108	1020,32	1265,79	6790	2900	0,3328	52	51
U= 232 000 1960 ODS 02/08/65		417,000	0,5219	12,02321	1267,65	1647,65	6713	3222	0,3336	35	34
U= 232 000 1960 ODS 02/08/65		418,000	0,6051	11,96575	144,27	199,04	6496	3615	0,3344	79	78
U= 232 000 1960 ODS 02/08/65		419,000	0,6085	11,90870	142,68	192,37	6617	3703	0,3352	61	60
U= 232 000 1960 ODS 02/08/65		420,000	0,6593	11,85206	119,63	141,86	6621	4015	0,3360	43	42
U= 232 000 1960 ODS 02/08/65		421,000	0,7005	11,79583	102,25	135,19	6467	4167	0,3368	88	86
U= 232 000 1960 ODS 02/08/65		422,000	0,7626	11,73999	77,84	106,72	6466	4535	0,3376	82	80
U= 232 000 1960 ODS 02/08/65		424,500	0,7749	11,60211	73,24	104,45	26216	18685	0,3396	266	261
U= 232 000 1960 ODS 02/08/65		428,500	0,8421	11,38652	49,36	66,57	25948	20097	0,3428	220	215
U= 232 000 1960 ODS 02/08/65		432,500	0,8788	11,17687	37,12	50,09	25582	20675	0,3460	208	204
U= 232 000 1960 ODS 02/08/65		436,500	0,8882	10,97297	34,05	46,80	25355	20711	0,3492	291	285
U= 232 000 1960 ODS 02/08/65		440,500	0,9019	10,77459	29,64	39,29	25492	21145	0,3524	251	246
U= 232 000 1960 ODS 02/08/65		444,500	0,9100	10,58154	27,08	36,10	24960	20888	0,3556	207	203
U= 232 000 1960 ODS 02/08/65		448,500	0,9131	10,39364	26,12	34,21	24744	20775	0,3588	248	243
U= 232 000 1960 ODS 02/08/65		453,000	0,9237	10,18817	22,81	30,10	24130	20439	0,3624	290	284
U= 232 000 1960 ODS 02/08/65		457,500	0,9398	9,98873	17,83	24,35	24185	20902	0,3660	299	295
U= 232 000 1960 ODS 02/08/65		462,000	0,9328	9,79509	19,97	27,61	24980	25791	0,3696	295	290
U= 232 000 1960 ODS 02/08/65		467,000	0,9300	9,58647	20,83	28,49	24903	25220	0,3736	294	288
U= 232 000 1960 ODS 02/08/65		472,000	0,9464	9,38444	15,82	21,48	24315	25580	0,3776	263	258
U= 232 000 1960 ODS 02/08/65		477,000	0,9372	9,18874	18,64	25,50	28719	24826	0,3816	286	280
U= 232 000 1960 ODS 02/08/65		482,000	0,9350	8,99909	19,30	26,88	28420	24527	0,3856	309	302
U= 232 000 1960 ODS 02/08/65		487,500	0,9375	8,79718	18,54	25,99	33507	28991	0,3900	333	326
U= 232 000 1960 ODS 02/08/65		493,500	0,9463	8,58456	15,84	21,42	33216	29012	0,3948	281	276
U= 232 000 1960 ODS 02/08/65		499,500	0,9340	8,37957	19,61	26,77	32701	28194	0,3996	284	279
U= 232 000 1960 ODS 02/08/65		503,000	0,9349	8,26336	19,35	26,51	3365	4630	0,4024	60	59
U= 232 000 1960 ODS 02/08/65		504,000	0,9583	8,23060	12,24	16,12	3376	4756	0,4032	57	56
U= 232 000 1960 ODS 02/08/65		505,000	0,9300	8,19804	20,84	27,66	3347	4591	0,4040	71	69
U= 232 000 1960 ODS 02/08/65		506,000	0,9380	8,16566	18,39	23,55	3363	4645	0,4048	52	51
U= 232 000 1960 ODS 02/08/65		507,000	0,9129	8,13348	26,17	34,65	5497	4633	0,4056	47	46
U= 232 000 1960 ODS 02/08/65		508,000	0,9275	8,10149	21,61	29,51	5340	4573	0,4064	43	42
U= 232 000 1960 ODS 02/08/65		509,000	0,9511	8,06969	14,41	19,92	5203	4569	0,4072	55	54
U= 232 000 1960 ODS 02/08/65		510,000	0,9410	8,03808	17,45	23,48	5269	4577	0,4080	60	59
U= 232 000 1960 ODS 02/08/65		511,000	0,9726	8,00665	7,97	10,54	5086	4566	0,4088	47	46
U= 232 000 1960 ODS 02/08/65		512,000	0,9760	7,97540	6,97	9,69	5078	4575	0,4096	66	64
U= 232 000 1960 ODS 02/08/65		513,000	0,9654	7,94434	10,13	13,54	5094	4539	0,4104	62	61
U= 232 000 1960 ODS 02/08/65		514,000	0,9365	7,91346	18,83	25,97	5132	4436	0,4112	35	

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE,
U- 232 000 1960 ODS 02/08/65		529,000	0.8786	7,47104	37.18	101.61	4974	0.4232	57	56
U- 232 000 1960 ODS 02/08/65		530,000	0.9013	7,44288	29.85	81.44	5107	0.4240	61	60
U- 232 000 1960 ODS 02/08/65		531,000	0.8943	7,41487	32.08	87.35	5028	0.4248	76	74
U- 232 000 1960 ODS 02/08/65		532,000	0.8759	7,38702	38.05	103.42	5129	0.4256	61	60
U- 232 000 1960 ODS 02/08/65		533,000	0.9100	7,35933	27.08	73.47	5008	0.4264	30	29
U- 232 000 1960 ODS 02/08/65		534,000	0.9302	7,33179	20.78	56.27	4965	0.4272	64	62
U- 232 000 1960 ODS 02/08/65		535,000	0.9175	7,30441	24.74	66.85	4925	0.4280	51	50
U- 232 000 1960 ODS 02/08/65		536,000	0.9538	7,27718	13.59	36.66	4925	0.4288	43	42
U- 232 000 1960 ODS 02/08/65		537,000	0.9019	7,25010	29.66	79.87	4920	0.4296	57	56
U- 232 000 1960 ODS 02/08/65		538,000	0.9232	7,22317	22.95	61.69	4999	0.4304	33	32
U- 232 000 1960 ODS 02/08/65		539,000	0.9459	7,19640	15.97	42.83	4889	0.4312	44	43
U- 232 000 1960 ODS 02/08/65		540,000	0.9023	7,16977	29.54	79.09	4911	0.4320	47	47
U- 232 000 1960 ODS 02/08/65		541,000	0.9357	7,14329	19.08	50.99	4776	0.4328	46	45
U- 232 000 1960 ODS 02/08/65		542,000	0.9006	7,11695	30.06	80.18	4933	0.4336	40	39
U- 232 000 1960 ODS 02/08/65		544,000	0.9228	7,06472	23.08	61.36	14357	0.4352	149	146
U- 232 000 1960 ODS 02/08/65		547,500	0.9152	6,97468	25.45	67.22	18940	0.4380	173	169
U- 232 000 1960 ODS 02/08/65		551,500	0.9060	6,87387	28.34	74.31	18685	0.4412	187	184
U- 232 000 1960 ODS 02/08/65		555,500	0.8886	6,77524	33.92	88.29	18535	0.4444	196	192
U- 232 000 1960 ODS 02/08/65		560,000	0.8524	6,66679	45.85	118.39	23332	0.4480	228	224
U- 232 000 1960 ODS 02/08/65		564,500	0.8410	6,56092	49.73	127.38	18223	0.4516	227	223
U- 232 000 1960 ODS 02/08/65		568,500	0.7997	6,46892	64.20	163.30	18108	0.4548	202	198
U- 232 000 1960 ODS 02/08/65		571,000	0.7917	6,41240	67.08	169.86	4394	0.4568	39	38
U- 232 000 1960 ODS 02/08/65		572,000	0.7258	6,38999	92.06	232.71	4490	0.4576	51	50
U- 232 000 1960 ODS 02/08/65		573,000	0.6988	6,36771	102.93	259.73	4594	0.4584	61	60
U- 232 000 1960 ODS 02/08/65		574,000	0.6762	6,34554	112.38	283.08	4480	0.4592	49	48
U- 232 000 1960 ODS 02/08/65		575,000	0.6703	6,32349	114.90	288.94	4461	0.4600	57	56
U- 232 000 1960 ODS 02/08/65		576,000	0.6367	6,30155	129.65	325.46	4389	0.4608	34	33
U- 232 000 1960 ODS 02/08/65		577,000	0.6064	6,27973	143.64	359.95	4380	0.4616	34	33
U- 232 000 1960 ODS 02/08/65		578,000	0.5622	6,25802	165.42	413.82	4528	0.4624	44	43
U- 232 000 1960 ODS 02/08/65		579,000	0.5058	6,23642	195.75	488.85	4375	0.4632	37	36
U- 232 000 1960 ODS 02/08/65		580,000	0.4648	6,21493	220.06	548.61	4300	0.4640	69	67
U- 232 000 1960 ODS 02/08/65		581,000	0.3536	6,19356	298.60	743.11	4362	0.4648	38	37
U- 232 000 1960 ODS 02/08/65		582,000	0.2921	6,17229	353.49	878.21	4277	0.4656	58	56
U- 232 000 1960 ODS 02/08/65		583,000	0.2114	6,15114	446.25	106.77	4433	0.4664	43	42
U- 232 000 1960 ODS 02/08/65		584,000	0.1268	6,13009	593.16	468.60	4282	0.4672	46	45
U- 232 000 1960 ODS 02/08/65		585,000	0.0837	6,10915	712.37	760.73	4235	0.4680	53	51
U- 232 000 1960 ODS 02/08/65		586,000	0.0463	6,08832	882.24	176.89	4202	0.4688	59	57
U- 232 000 1960 ODS 02/08/65		587,000	0.0286	6,06759	1021.28	515.66	4270	0.4696	76	74
U- 232 000 1960 ODS 02/08/65		588,000	0.0197	6,04697	1128.23	774.40	4238	0.4704	67	66
U- 232 000 1960 ODS 02/08/65		589,000	0.0206	6,02646	1114.58	736.15	4339	0.4712	39	38
U- 232 000 1960 ODS 02/08/65		590,000	0.0074	6,00604	1409.27	453.72	4269	0.4720	59	57
U- 232 000 1960 ODS 02/08/65		591,000	0.0116	5,98574	1280.95	133.95	4235	0.4728	35	34
U- 232 000 1960 ODS 02/08/65		592,000	0.0113	5,96593	1287.46	144.55	4105	0.4736	60	59
U- 232 000 1960 ODS 02/08/65		593,000	0.0069	5,94543	1498.74	483.74	4110	0.4744	75	73
U- 232 000 1960 ODS 02/08/65		594,000	0.0130	5,92543	1247.13	035.79	4277	0.4752	45	44
U- 232 000 1960 ODS 02/08/65		595,000	0.0041	5,90553	1591.00	842.03	4202	0.4760	54	53
U- 232 000 1960 ODS 02/08/65		596,000	0.0158	5,88573	1191.54	890.75	4113	0.4768	61	60
U- 232 000 1960 ODS 02/08/65		597,000	0.0378	5,86602	940.57	278.05	4109	0.4776	48	47
U- 232 000 1960 ODS 02/08/65		598,000	0.0860	5,84642	704.63	703.75	4171	0.4784	66	65
U- 232 000 1960 ODS 02/08/65		599,000	0.1479	5,82692	548.83	324.83	4101	0.4792	75	73
U- 232 000 1960 ODS 02/08/65		600,000	0.2329	5,80751	418.45	008.42	4138	0.4800	30	30
U- 232 000 1960 ODS 02/08/65		601,000	0.2932	5,78820	352.36	847.74	4013	0.4808	78	76
U- 232 000 1960 ODS 02/08/65		602,000	0.3851	5,76899	274.05	658.24	4075	0.4816	57	56
U- 232 000 1960 ODS 02/08/65		603,000	0.4494	5,74987	229.74	550.89	3909	0.4824	62	61
U- 232 000 1960 ODS 02/08/65		604,000	0.5097	5,73088	193.56	463.36	3941	0.4832	65	63
U- 232 000 1960 ODS 02/08/65		605,000	0.5710	5,71192	160.93	384.62	3925	0.4840	54	53
U- 232 000 1960 ODS 02/08/65		606,000	0.5985	5,69308	147.45	351.81	4081	0.4848	59	57
U- 232 000 1960 ODS 02/08/65		607,000	0.6108	5,67434	141.59	337.27	4072	0.4856	51	50
U- 232 000 1960 ODS 02/08/65		608,000	0.6590	5,65569	119.76	284.82	3969	0.4864	45	44
U- 232 000 1960 ODS 02/08/65		609,000	0.7184	5,63713	94.97	225.48	3915	0.4872	38	37
U- 232 000 1960 ODS 02/08/65		610,000	0.6980	5,61866	103.26	244.76	3952	0.4880	70	68
U- 232 000 1960 ODS 02/08/65		613,000	0.7669	5,56380	76.24	179.82	19733	0.4904	257	252
U- 232 000 1960 ODS 02/08/65		618,500	0.8435	5,46529	48.87	114.26	23312	0.4948	311	305
U- 232 000 1960 ODS 02/08/65		624,500	0.8521	5,36078	45.98	106.45	22887	0.4996	335	329
U- 232 000 1960 ODS 02/08/65		630,500	0.8773	5,25923	37.60	86.22	22481	0.5044	337	330
U- 232 000 1960 ODS 02/08/65		636,500	0.8875	5,16055	34.26	77.84	22021	0.5092	321	314
U- 232 000 1960 ODS 02/08/65		646,000	0.9120	5,00988	26.45	59.21	46466	0.5168	711	697
U- 232 000 1960 ODS 02/08/65		659,000	0.9343	4,81417	19.53	42.84	44600	0.5272	810	794
U- 232 000 1960 ODS 02/08/65		673,000	0.9393	4,61596	17.99	38.64	48925	0.5384	752	737
U- 232 000 1960 ODS 02/08/65		688,500	0.9316	4,41047	20.35	42.74	49816	0.5508	919	901
U- 232 000 1960 ODS 02/08/65		704,500	0.9334	4,21241	19.80	40.64	46859	0.5636	869	852
U- 232 000 1960 ODS 02/08/65		721,500	0.9373	4,01624	18.58	37.24	49595	0.5772	1158	1134
U- 232 000 1960 ODS 02/08/65		740,500	0.9375	3,81279	18.54	36.20	51766	0.5924	1195	1171
U- 232 000 1960 ODS 02/08/65		761,000	0.9568	3,61013	12.68	24.09	50189	0.6088	1353	1326
U- 232 000 1960 ODS 02/08/65		783,000	0.9469	3,41012	15.68	28.95	50890	0.6264	1406	1378
U- 232 000 1960 ODS 02/08/65		807,000	0.9418	3,21030	17.22	30.85	49883	0.6456	1601	1569
U- 232 000 1960 ODS 02/08/65		833,000	0.9399	3,01302	17.81	30.91	46513	0.6664	1764	1728
U- 232 000 1960 ODS 02/08/65		862,000	0.9322	2,81370	20.16	33.81	42656	0.6896	2274	2229
U- 232 000 1960 ODS 02/08/65		894,500	0.9372	2,61295	18.62	30.10	34804	0.7156	2776	2720
U- 232 000 1960 ODS 02/08/65		931,000	0.9298	2,41209	20.91	32.48	26064	0.7448	4360	4273

RUN 1961

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC, OF OCT	FAST BKGS OPEN SAMPLE	NO, PTS AVE,
U- 232 000 1961 ODS 02/08/65	14.500	0.9801	9943.89526	11.70	1166.88	35704	32466	0.0121	14899	14750 2
U- 232 000 1961 ODS 02/08/65	15.500	0.9786	8702.20178	12.60	1175.56	33220	30159	0.0129	12786	12658 2
U- 232 000 1961 ODS 02/08/65	16.500	0.9752	7679.35352	14.58	1277.74	36301	32842	0.0137	8773	8686 2
U- 232 000 1961 ODS 02/08/65	17.500	0.9553	6826.78891	26.61	2198.77	34271	30368	0.0146	8410	8326 2
U- 232 000 1961 ODS 02/08/65	18.500	0.9623	6108.70416	22.34	1745.93	34060	30402	0.0154	8140	8059 2
U- 232 000 1961 ODS 02/08/65	19.500	0.9626	5498.23535	22.14	1642.05	37147	33167	0.0162	6937	6868 2
U- 232 000 1961 ODS 02/08/65	20.500	0.9686	4974.90540	18.53	1307.11	38663	34754	0.0171	4779	4731 2
U- 232 000 1961 ODS 02/08/65	21.500	0.9682	4522.88586	18.79	1263.54	35547	31920	0.0179	5543	5488 2
U- 232 000 1961 ODS 02/08/65	22.500	0.9619	4129.78564	22.57	1450.56	36242	32333	0.0187	4453	4408 2
U- 232 000 1961 ODS 02/08/65	23.500	0.9757	3785.79266	14.32	881.18	37534	33963	0.0196	3482	3447 2
U- 232 000 1961 ODS 02/08/65	24.500	0.9661	3483.05539	20.05	1183.54	37826	33892	0.0204	4122	4080 2
U- 232 000 1961 ODS 02/08/65	25.500	0.9692	3215.23105	18.21	1032.34	37135	33378	0.0212	3822	3784 2
U- 232 000 1961 ODS 02/08/65	26.500	0.9562	2977.15057	26.06	1421.77	37210	32996	0.0221	2755	2727 2
U- 232 000 1961 ODS 02/08/65	27.500	0.9528	2764.56726	28.12	1478.33	34038	30076	0.0229	3237	3205 2
U- 232 000 1961 ODS 02/08/65	28.500	0.9780	2573.96613	12.90	654.72	31733	25782	0.0237	3381	3347 2
U- 232 000 1961 ODS 02/08/65	29.500	0.9651	2402.41769	20.65	1012.34	32298	28907	0.0246	2613	2587 2
U- 232 000 1961 ODS 02/08/65	30.500	0.9774	2247.46463	13.30	630.39	33564	30422	0.0254	2513	2488 2
U- 232 000 1961 ODS 02/08/65	31.500	0.9593	2107.03351	24.13	1107.42	35279	31386	0.0262	2247	2225 2
U- 232 000 1961 ODS 02/08/65	32.500	0.9548	1979.36473	26.89	1196.24	37237	32971	0.0271	2293	2270 2
U- 232 000 1961 ODS 02/08/65	33.500	0.9517	1862.95744	28.77	1241.78	38430	33917	0.0279	1278	1265 2
U- 232 000 1961 ODS 02/08/65	34.500	0.9680	1756.52509	18.93	793.38	37245	33432	0.0287	1916	1896 2
U- 232 000 1961 ODS 02/08/65	35.500	0.9606	1658.95972	23.35	951.14	36919	32888	0.0296	1917	1898 2
U- 232 000 1961 ODS 02/08/65	36.500	0.9607	1569.30305	23.28	922.07	36898	32872	0.0304	2053	2033 2
U- 232 000 1961 ODS 02/08/65	37.500	0.9623	1486.72284	22.36	862.02	37037	33048	0.0312	1529	1514 2
U- 232 000 1961 ODS 02/08/65	38.500	0.9689	1410.49350	18.39	690.71	36500	32792	0.0321	2290	2267 2
U- 232 000 1961 ODS 02/08/65	39.500	0.9570	1339.98012	25.54	934.96	36448	32344	0.0329	2298	2275 2
U- 232 000 1961 ODS 02/08/65	40.500	0.9524	1274.62520	28.34	1011.84	35197	31084	0.0337	3567	3531 2
U- 232 000 1961 ODS 02/08/65	41.500	0.9537	1213.93758	27.54	959.63	33132	29300	0.0346	3516	3481 2
U- 232 000 1961 ODS 02/08/65	42.500	0.9682	1157.48317	18.76	638.41	31841	29587	0.0354	3512	3477 2
U- 232 000 1961 ODS 02/08/65	43.500	0.9394	1104.87726	36.34	1208.06	32193	28041	0.0362	4139	4098 2
U- 232 000 1961 ODS 02/08/65	44.500	0.9604	1055.77780	23.49	763.19	33125	29498	0.0371	4646	4600 2
U- 232 000 1961 ODS 02/08/65	45.500	0.9565	1009.87996	25.87	822.21	34277	30395	0.0379	4375	4331 2
U- 232 000 1961 ODS 02/08/65	46.500	0.9523	966.91132	28.43	884.12	34630	30577	0.0387	4408	4364 2
U- 232 000 1961 ODS 02/08/65	47.500	0.9649	926.62781	20.77	632.19	34274	30663	0.0396	4998	4952 2
U- 232 000 1961 ODS 02/08/65	48.500	0.9625	888.81029	22.20	661.83	34420	30716	0.0404	4579	4533 2
U- 232 000 1961 ODS 02/08/65	49.500	0.9599	853.26150	23.80	695.29	33617	29918	0.0412	4746	4699 2
U- 232 000 1961 ODS 02/08/65	50.500	0.9653	819.80354	20.50	586.99	33983	30416	0.0421	4706	4659 2
U- 232 000 1961 ODS 02/08/65	51.500	0.9563	788.27561	26.00	729.94	34035	30176	0.0429	4228	4185 2
U- 232 000 1961 ODS 02/08/65	52.500	0.9531	758.53206	27.90	768.42	33769	29842	0.0437	4282	4239 2
U- 232 000 1961 ODS 02/08/65	53.500	0.9676	730.44073	19.16	517.74	33333	29903	0.0446	3818	3780 2
U- 232 000 1961 ODS 02/08/65	54.500	0.9602	703.88148	23.61	620.40	33322	29665	0.0454	3721	3683 2
U- 232 000 1961 ODS 02/08/65	55.500	0.9620	678.74490	22.52	586.83	32608	29083	0.0462	3964	3924 2
U- 232 000 1961 ODS 02/08/65	56.500	0.9562	654.93116	26.04	666.32	32895	29162	0.0471	3693	3656 2
U- 232 000 1961 ODS 02/08/65	57.500	0.9455	632.34903	32.58	819.22	32909	28847	0.0479	3128	3097 2
U- 232 000 1961 ODS 02/08/65	58.500	0.9627	610.91504	22.09	545.93	32206	28745	0.0487	2762	2732 2
U- 232 000 1961 ODS 02/08/65	59.500	0.9555	590.55264	26.49	643.72	31742	28117	0.0496	2626	2600 2
U- 232 000 1961 ODS 02/08/65	60.500	0.9548	571.19158	26.91	643.00	32338	28624	0.0504	2448	2423 2
U- 232 000 1961 ODS 02/08/65	61.500	0.9476	552.76727	31.30	735.88	31883	28005	0.0512	2194	2172 2
U- 232 000 1961 ODS 02/08/65	62.500	0.9639	535.22022	21.36	494.08	32086	28673	0.0521	2089	2068 2
U- 232 000 1961 ODS 02/08/65	63.500	0.9636	518.49563	21.56	491.03	31679	28295	0.0529	1885	1866 2
U- 232 000 1961 ODS 02/08/65	64.500	0.9502	502.54287	29.72	666.20	32371	28514	0.0537	1847	1828 2
U- 232 000 1961 ODS 02/08/65	65.500	0.9539	487.31519	27.41	605.11	31764	28091	0.0546	1710	1692 2
U- 232 000 1961 ODS 02/08/65	66.500	0.9484	472.76929	30.81	669.99	31857	28005	0.0554	1398	1384 2
U- 232 000 1961 ODS 02/08/65	67.500	0.9473	458.86507	31.50	674.74	31034	27292	0.0562	1453	1439 2
U- 232 000 1961 ODS 02/08/65	68.500	0.9045	445.56535	58.36	1231.99	30954	25954	0.0571	1293	1280 2
U- 232 000 1961 ODS 02/08/65	69.500	0.9535	432.83557	27.68	575.92	29935	26460	0.0579	1297	1284 2
U- 232 000 1961 ODS 02/08/65	70.500	0.9449	420.64363	32.95	675.71	30040	26313	0.0587	1247	1234 2
U- 232 000 1961 ODS 02/08/65	71.500	0.9616	408.95965	22.73	459.73	29193	26024	0.0596	1048	1038 2
U- 232 000 1961 ODS 02/08/65	72.500	0.9597	397.75581	23.91	476.88	29055	25848	0.0604	1115	1104 2
U- 232 000 1961 ODS 02/08/65	73.500	0.9588	387.00615	24.46	481.12	27493	24436	0.0612	1155	1144 2
U- 232 000 1961 ODS 02/08/65	74.500	0.9655	376.68645	20.40	395.97	25351	22685	0.0621	1007	997 2
U- 232 000 1961 ODS 02/08/65	75.500	0.9639	366.77409	21.35	409.95	21490	17203	0.0629	1111	1100 2
U- 232 000 1961 ODS 02/08/65	76.500	0.9464	357.24780	32.05	605.74	16706	14625	0.0637	1155	1143 2
U- 232 000 1961 ODS 02/08/65	77.500	0.9358	348.08807	38.56	719.40	12638	10963	0.0646	1000	990 2
U- 232 000 1961 ODS 02/08/65	78.500	0.9350	339.27607	39.08	719.86	12849	11136	0.0654	1022	1011 2
U- 232 000 1961 ODS 02/08/65	79.500	0.9333	330.79451	40.11	729.51	17324	14987	0.0662	1092	1081 2
U- 232 000 1961 ODS 02/08/65	80.500	0.9220	322.62706	47.21	848.06	22219	18985	0.0671	1173	1162 2
U- 232 000 1961 ODS 02/08/65	81.500	0.9240	314.75840	45.93	814.86	24958	21377	0.0679	1085	1074 2
U- 232 000 1961 ODS 02/08/65	82.500	0.9429	307.17414	34.20	599.36	26889	23500	0.0687	978	968 2
U- 232 000 1961 ODS 02/08/65	83.500	0.9335	299.86073	39.98	692.24	27498	23794	0.0696	1041	1031 2
U- 232 000 1961 ODS 02/08/65	84.500	0.9501	292.80543	29.77	509.47	28571	25160	0.0704	1141	1129 2
U- 232 000 1961 ODS 02/08/65	85.500	0.9734	285.99623	15.67	264.99	28313	25546	0.0712	1274	1261 2
U- 232 000 1961 ODS 02/08/65	86.500	0.9884	279.42183	6.78	113.36	28829	26411	0.0721	1113	1102 2
U- 232 000 1961 ODS 02/08/65	87.500	0.9434	273.07154	33.87	559.62	29610	25892	0.0729	1281	1269 2
U- 232 000 1961 ODS 02/08/65	88.500	0.9295	266.93530	42.48	694.11	29997	25844	0.0737	1335	1322 2
U- 232 000 1961 ODS 02/08/65	89.500	0.8566	261.00359	89.97	1453.59	30057	25864	0.0746	1245	1232 2
U- 232 000 1961 ODS 02/08/65	90.500	0.8686	255.26742	81.88	1308.28	29762	25961	0.0754	1359	1345 2
U- 232 000 1961 ODS 02/08/65	91.500	0.9279	249.71829	43.48	687.14	29760	25955	0.0762	1342	1329 2
U- 232 000 1961 ODS 02/08/65	92.500	0.9524	244.34017	28.35	443.09	30144	26609	0.0771	1337	1323 2

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
U- 232 000 1961 ODS 02/08/65		93.500	0.9681	239.14942	18.82	290.99	29541 26506	0.0779	1376	1362	2
U- 232 000 1961 ODS 02/08/65		94.500	0.9726	234.11483	16.14	246.99	29951 27000	0.0787	1296	1283	2
U- 232 000 1961 ODS 02/08/65		95.500	0.9600	229.23758	23.74	359.51	29885 26590	0.0796	1323	1309	2
U- 232 000 1961 ODS 02/08/65		96.500	0.9698	224.91115	17.85	267.51	30259 27196	0.0804	1341	1328	2
U- 232 000 1961 ODS 02/08/65		97.500	0.9423	219.92941	34.52	511.95	29930 26141	0.0812	1214	1202	2
U- 232 000 1961 ODS 02/08/65		98.500	0.9201	215.48651	48.44	711.01	29967 25553	0.0821	1376	1362	2
U- 232 000 1961 ODS 02/08/65		99.500	0.9552	211.17689	26.63	386.93	29872 26446	0.0829	1265	1253	2
U- 232 000 1961 ODS 02/08/65		100.500	0.9478	206.99927	31.18	448.53	29656 26050	0.0837	1292	1279	2
U- 232 000 1961 ODS 02/08/65		101.500	0.9776	202.93664	13.16	187.43	28551 25869	0.0846	1352	1338	2
U- 232 000 1961 ODS 02/08/65		102.500	0.9525	198.99622	28.30	399.25	29278 25845	0.0854	1192	1180	2
U- 232 000 1961 ODS 02/08/65		103.500	0.8919	195.16945	66.52	929.24	29210 24144	0.0862	1178	1166	2
U- 232 000 1961 ODS 02/08/65		104.500	0.8249	191.45203	111.92	1548.63	29445 22509	0.0871	1234	1221	2
U- 232 000 1961 ODS 02/08/65		105.500	0.8554	187.83981	90.77	1244.04	29003 22993	0.0879	1185	1173	2
U- 232 000 1961 ODS 02/08/65		106.500	0.9327	184.32886	40.48	549.62	29506 25505	0.0887	1030	1020	2
U- 232 000 1961 ODS 02/08/65		107.500	0.9559	180.91543	26.19	352.33	28924 25625	0.0896	1160	1148	2
U- 232 000 1961 ODS 02/08/65		108.500	0.9529	177.59595	28.06	373.94	29188 25776	0.0904	953	944	2
U- 232 000 1961 ODS 02/08/65		109.500	0.9580	174.36701	24.92	329.02	28809 25576	0.0912	1080	1069	2
U- 232 000 1961 ODS 02/08/65		110.500	0.9470	171.22532	31.66	414.22	29043 25489	0.0921	1008	997	2
U- 232 000 1961 ODS 02/08/65		111.500	0.9619	168.16779	22.59	292.97	29410 26216	0.0929	869	860	2
U- 232 000 1961 ODS 02/08/65		112.500	0.9459	165.19143	32.34	415.66	29670 26006	0.0937	886	877	2
U- 232 000 1961 ODS 02/08/65		113.500	0.9222	162.29339	47.07	599.58	28962 24752	0.0946	875	866	2
U- 232 000 1961 ODS 02/08/65		114.500	0.8564	159.47095	90.11	1137.98	29237 23203	0.0954	918	909	2
U- 232 000 1961 ODS 02/08/65		115.500	0.8888	156.72150	68.50	857.48	28855 23546	0.0962	913	904	2
U- 232 000 1961 ODS 02/08/65		116.500	0.9093	154.04258	55.24	685.60	28997 24435	0.0971	794	786	2
U- 232 000 1961 ODS 02/08/65		117.500	0.8985	151.43171	62.24	765.90	28527 23751	0.0979	802	794	2
U- 232 000 1961 ODS 02/08/65		118.500	0.9276	148.88668	43.68	533.00	28253 24286	0.0987	793	785	2
U- 232 000 1961 ODS 02/08/65		119.500	0.8626	146.40528	85.91	1039.46	27971 22359	0.0996	692	685	2
U- 232 000 1961 ODS 02/08/65		120.500	0.7712	143.98540	151.02	1812.16	28098 20080	0.1004	761	753	2
U- 232 000 1961 ODS 02/08/65		121.500	0.8843	141.62502	71.46	850.37	27540 22566	0.1012	659	653	2
U- 232 000 1961 ODS 02/08/65		122.500	0.9671	139.32221	19.42	229.25	26506 23755	0.1021	798	790	2
U- 232 000 1961 ODS 02/08/65		123.500	0.9544	137.07512	27.11	317.43	26142 23121	0.1029	738	731	2
U- 232 000 1961 ODS 02/08/65		124.500	0.9557	134.88195	26.35	305.99	25351 22450	0.1037	754	747	2
U- 232 000 1961 ODS 02/08/65		125.500	0.8744	132.74100	78.05	899.28	25300 20499	0.1046	664	658	2
U- 232 000 1961 ODS 02/08/65		126.500	0.7600	130.65063	159.57	1823.88	25986 18299	0.1054	672	665	2
U- 232 000 1961 ODS 02/08/65		127.500	0.8176	128.60924	117.03	1327.24	26144 19806	0.1062	621	615	2
U- 232 000 1961 ODS 02/08/65		128.500	0.8980	126.61533	62.57	704.05	27501 22883	0.1071	707	700	2
U- 232 000 1961 ODS 02/08/65		129.500	0.9263	124.66743	44.50	496.89	27787 23850	0.1079	807	799	2
U- 232 000 1961 ODS 02/08/65		130.500	0.9546	122.76414	27.03	299.54	28191 24935	0.1087	655	649	2
U- 232 000 1961 ODS 02/08/65		131.500	0.9593	120.90410	24.16	265.69	28266 25125	0.1096	662	656	2
U- 232 000 1961 ODS 02/08/65		132.500	0.9768	119.08602	13.63	148.76	27941 25290	0.1104	738	730	2
U- 232 000 1961 ODS 02/08/65		133.500	0.9669	117.30864	19.57	211.99	27335 24490	0.1112	831	822	2
U- 232 000 1961 ODS 02/08/65		134.500	0.8920	115.57076	66.43	714.19	27962 23111	0.1121	819	811	2
U- 232 000 1961 ODS 02/08/65		135.500	0.8635	113.87122	85.34	910.66	27739 22193	0.1129	795	787	2
U- 232 000 1961 ODS 02/08/65		136.500	0.9109	112.20888	54.22	574.37	28110 23726	0.1137	692	685	2
U- 232 000 1961 ODS 02/08/65		137.500	0.8173	110.58269	117.28	1233.31	27813 21662	0.1146	803	795	2
U- 232 000 1961 ODS 02/08/65		138.500	0.6612	108.99159	240.45	2510.33	27696 16965	0.1154	843	835	2
U- 232 000 1961 ODS 02/08/65		139.500	0.7458	107.43459	170.52	1767.49	27526 19020	0.1162	816	808	2
U- 232 000 1961 ODS 02/08/65		140.500	0.8708	105.91072	80.42	827.65	28118 22687	0.1171	834	826	2
U- 232 000 1961 ODS 02/08/65		141.500	0.8987	104.41903	62.10	634.58	27268 22705	0.1179	795	787	2
U- 232 000 1961 ODS 02/08/65		142.500	0.9294	102.95864	42.56	431.80	27719 23865	0.1187	763	755	2
U- 232 000 1961 ODS 02/08/65		143.500	0.9625	101.52868	22.24	224.05	27491 24516	0.1196	798	790	2
U- 232 000 1961 ODS 02/08/65		144.500	0.9811	100.12830	11.07	110.77	27835 25304	0.1204	868	859	2
U- 232 000 1961 ODS 02/08/65		145.500	0.9810	98.75670	11.13	110.56	27513 25006	0.1212	791	783	2
U- 232 000 1961 ODS 02/08/65		146.500	0.9596	97.41308	23.99	236.74	27786 24677	0.1221	858	849	2
U- 232 000 1961 ODS 02/08/65		147.500	0.9670	96.09671	19.52	191.39	27199 24366	0.1229	907	898	2
U- 232 000 1961 ODS 02/08/65		148.500	0.9737	94.80683	15.47	150.66	27632 24929	0.1237	924	915	2
U- 232 000 1961 ODS 02/08/65		149.500	0.9718	93.54276	16.62	160.72	27172 24465	0.1246	854	845	2
U- 232 000 1961 ODS 02/08/65		150.500	0.9817	92.30379	10.73	103.09	27463 24975	0.1254	846	838	2
U- 232 000 1961 ODS 02/08/65		151.500	0.9775	91.08928	13.26	126.54	27316 24737	0.1262	958	949	2
U- 232 000 1961 ODS 02/08/65		152.500	0.9826	89.89859	10.20	96.73	27725 25240	0.1271	1081	1070	2
U- 232 000 1961 ODS 02/08/65		153.500	0.9658	88.73108	20.22	190.46	28092 25137	0.1279	999	989	2
U- 232 000 1961 ODS 02/08/65		154.500	0.9851	87.58618	8.72	81.63	27689 25271	0.1287	1139	1127	2
U- 232 000 1961 ODS 02/08/65		155.500	0.9835	86.46329	9.65	89.69	27373 24943	0.1296	1105	1094	2
U- 232 000 1961 ODS 02/08/65		156.500	0.9711	85.36186	17.04	157.40	27636 24864	0.1304	1159	1148	2
U- 232 000 1961 ODS 02/08/65		157.500	0.9655	84.28134	20.43	187.59	27342 24456	0.1312	1229	1217	2
U- 232 000 1961 ODS 02/08/65		158.500	0.9668	83.22121	19.63	179.07	27208 24370	0.1321	1244	1232	2
U- 232 000 1961 ODS 02/08/65		159.500	0.9592	82.18099	24.24	219.78	27212 24181	0.1329	1272	1258	2
U- 232 000 1961 ODS 02/08/65		160.500	0.9682	81.16008	18.81	169.44	27592 24746	0.1337	1351	1338	2
U- 232 000 1961 ODS 02/08/65		161.500	0.9500	80.15811	29.79	266.73	27402 24118	0.1346	1329	1316	2
U- 232 000 1961 ODS 02/08/65		162.500	0.9530	79.17459	27.99	249.01	27179 23995	0.1354	1334	1321	2
U- 232 000 1961 ODS 02/08/65		163.500	0.9430	78.20905	34.10	301.57	26968 23560	0.1362	1437	1423	2
U- 232 000 1961 ODS 02/08/65		164.500	0.8743	77.26107	78.12	686.66	26655 21586	0.1371	1496	1481	2
U- 232 000 1961 ODS 02/08/65		165.500	0.6883	76.33023	217.12	1896.94	26654 16996	0.1379	1441	1426	2
U- 232 000 1961 ODS 02/08/65		166.500	0.4518	75.41610	461.86	4010.86	26246 10985	0.1387	1484	1469	2
U- 232 000 1961 ODS 02/08/65		167.500	0.5213	74.51830	378.68	3268.87	26662 12876	0.1396	1327	1314	2
U- 232 000 1961 ODS 02/08/65		168.500	0.7803	73.63643	144.20	1237.43	26870 19424	0.1404	1394	1380	2
U- 232 000 1961 ODS 02/08/65		169.500	0.9180	72.77013	49.75	424.43	26524 22556	0.1412	1371	1357	2
U- 232 000 1961 ODS 02/08/65		170.500	0.9578	71.91902	25.07	212.57	26694 23685	0.1421	1371	1357	2
U- 232 000 1961 ODS 02/08/65		171.500	0.9603	71.08276	23.54	198.50	26573 23639	0.1429	1329	1316	2
U- 232 000 1961 ODS 02/08/65		172.500	0.9604	70.26100	23.47	196.76	26777 23824	0.1437	1376	1363	2
U- 232 000 1961 ODS 02/08/65		173.500	0.9788	69.45341	12.43	103.60	26128 23692	0.1446	1328	1315	2
U- 232 000 1961 ODS 02/08/65		174.500	0.9752	68.65967	14.60	120.97	26219 23686	0.1454	1296	1283	2
U- 232 000 1961 ODS 02/08/65		175.500	0.9841	67.87045	7.30	76.66	26270 23945	0.1462	1231	1	

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
U- 232 000 1961 ODS 02/08/65	193.500	0.9739	55.83810	15.39	115.04	26015	23466	0.1612	1056	1046	2
U- 232 000 1961 ODS 02/08/65	194.500	0.9679	55.26540	18.98	141.11	25665	23006	0.1621	1093	1082	2
U- 232 000 1961 ODS 02/08/65	195.500	0.9596	54.70147	23.98	177.38	25572	22726	0.1629	1027	1017	2
U- 232 000 1961 ODS 02/08/65	196.500	0.9624	54.14613	22.27	163.85	25348	22595	0.1637	975	965	2
U- 232 000 1961 ODS 02/08/65	197.500	0.9064	53.59921	57.12	418.18	24836	20851	0.1646	914	905	2
U- 232 000 1961 ODS 02/08/65	198.500	0.8067	53.06052	124.84	909.38	25119	18769	0.1654	994	984	2
U- 232 000 1961 ODS 02/08/65	199.500	0.8402	52.52992	101.23	733.71	25285	19676	0.1662	926	916	2
U- 232 000 1961 ODS 02/08/65	200.500	0.9476	52.00724	31.26	225.47	25574	22446	0.1671	842	833	2
U- 232 000 1961 ODS 02/08/65	201.500	0.9520	51.49232	28.58	205.12	25188	22210	0.1679	916	906	2
U- 232 000 1961 ODS 02/08/65	202.500	0.9671	50.98501	19.46	138.98	25254	22620	0.1687	880	871	2
U- 232 000 1961 ODS 02/08/65	203.500	0.9732	50.48516	15.81	112.35	24871	22417	0.1696	942	933	2
U- 232 000 1961 ODS 02/08/65	204.500	0.9709	49.99262	17.19	121.54	25198	22656	0.1704	912	903	2
U- 232 000 1961 ODS 02/08/65	205.500	0.9593	49.50726	24.16	169.99	24777	22014	0.1712	924	915	2
U- 232 000 1961 ODS 02/08/65	206.500	0.9559	49.02893	26.24	183.73	25138	22254	0.1721	821	813	2
U- 232 000 1961 ODS 02/08/65	207.500	0.9325	48.55750	40.63	283.12	24788	21408	0.1729	898	889	2
U- 232 000 1961 ODS 02/08/65	208.500	0.8840	48.09284	71.69	497.17	24926	20407	0.1737	788	780	2
U- 232 000 1961 ODS 02/08/65	209.500	0.9042	47.63482	58.52	403.92	24762	20737	0.1746	847	838	2
U- 232 000 1961 ODS 02/08/65	210.500	0.9555	47.18330	26.45	181.68	24615	21783	0.1754	791	783	2
U- 232 000 1961 ODS 02/08/65	211.500	0.9547	46.73818	26.96	184.30	24976	22083	0.1762	777	770	2
U- 232 000 1961 ODS 02/08/65	212.500	0.9795	46.29933	12.04	81.92	24546	22267	0.1771	772	764	2
U- 232 000 1961 ODS 02/08/65	213.500	0.9756	45.86663	14.37	97.35	24145	21815	0.1779	808	800	2
U- 232 000 1961 ODS 02/08/65	214.500	0.9533	45.43996	27.81	187.47	24591	21711	0.1787	748	741	2
U- 232 000 1961 ODS 02/08/65	215.500	0.9471	45.01922	31.62	212.15	24612	21587	0.1796	708	701	2
U- 232 000 1961 ODS 02/08/65	216.500	0.9266	44.60430	44.30	295.88	24831	21309	0.1804	788	780	2
U- 232 000 1961 ODS 02/08/65	217.500	0.8480	44.19509	95.84	637.14	24787	19466	0.1812	738	731	2
U- 232 000 1961 ODS 02/08/65	218.500	0.8233	43.79148	274.84	1818.72	24480	14130	0.1821	769	761	2
U- 232 000 1961 ODS 02/08/65	219.500	0.4552	43.39338	457.45	3013.41	24022	10127	0.1829	726	719	2
U- 232 000 1961 ODS 02/08/65	220.500	0.6699	43.00068	232.88	1527.10	24499	15199	0.1837	748	741	2
U- 232 000 1961 ODS 02/08/65	221.500	0.8830	42.61329	72.34	472.23	24269	19545	0.1846	660	654	2
U- 232 000 1961 ODS 02/08/65	222.500	0.9537	42.23111	27.55	179.05	24627	21751	0.1854	691	684	2
U- 232 000 1961 ODS 02/08/65	223.500	0.9594	41.85405	24.08	155.75	24145	21453	0.1862	733	726	2
U- 232 000 1961 ODS 02/08/65	224.500	0.9790	41.48202	12.33	79.42	24505	22217	0.1871	665	658	2
U- 232 000 1961 ODS 02/08/65	225.500	0.9835	41.11492	9.68	62.05	24396	22219	0.1879	715	708	2
U- 232 000 1961 ODS 02/08/65	226.500	0.9663	40.75268	19.91	127.09	24426	21858	0.1887	700	693	2
U- 232 000 1961 ODS 02/08/65	227.500	0.9789	40.39520	12.40	78.84	24066	21816	0.1896	694	687	2
U- 232 000 1961 ODS 02/08/65	228.500	0.9869	40.04240	7.69	48.64	23949	21886	0.1904	733	725	2
U- 232 000 1961 ODS 02/08/65	229.500	0.9787	39.69421	12.49	78.67	23701	21482	0.1912	627	621	2
U- 232 000 1961 ODS 02/08/65	230.500	0.9608	39.35054	23.24	145.78	24212	21543	0.1921	673	667	2
U- 232 000 1961 ODS 02/08/65	231.500	0.9680	39.01131	18.91	118.12	23909	21431	0.1929	641	634	2
U- 232 000 1961 ODS 02/08/65	232.500	0.9788	38.67645	12.44	77.35	24042	21793	0.1937	625	618	2
U- 232 000 1961 ODS 02/08/65	233.500	0.9544	38.34589	27.15	168.12	24093	21293	0.1946	658	652	2
U- 232 000 1961 ODS 02/08/65	234.500	0.9541	38.01954	27.29	168.26	24143	21331	0.1954	568	562	2
U- 232 000 1961 ODS 02/08/65	235.500	0.9601	37.69734	23.68	145.40	23891	21209	0.1962	636	630	2
U- 232 000 1961 ODS 02/08/65	236.500	0.9769	37.37922	13.59	83.09	23935	21651	0.1971	599	593	2
U- 232 000 1961 ODS 02/08/65	237.500	0.9727	37.06511	16.10	98.00	23563	21233	0.1979	568	562	2
U- 232 000 1961 ODS 02/08/65	238.500	0.9588	36.75495	24.44	148.16	23844	21170	0.1987	525	520	2
U- 232 000 1961 ODS 02/08/65	239.500	0.9655	36.44866	20.38	123.03	23648	21143	0.1996	594	588	2
U- 232 000 1961 ODS 02/08/65	240.500	0.9751	36.14618	14.65	88.07	24140	21797	0.2004	575	569	2
U- 232 000 1961 ODS 02/08/65	241.500	0.9628	35.84745	22.03	131.88	23779	21200	0.2012	626	620	2
U- 232 000 1961 ODS 02/08/65	242.500	0.9624	35.55241	22.28	132.86	23638	21065	0.2021	601	595	2
U- 232 000 1961 ODS 02/08/65	243.500	0.9562	35.26100	26.05	154.71	23578	20875	0.2029	644	637	2
U- 232 000 1961 ODS 02/08/65	244.500	0.9385	34.97316	36.87	218.05	23553	20469	0.2037	512	507	2
U- 232 000 1961 ODS 02/08/65	245.500	0.8182	34.68882	116.67	687.15	23318	17665	0.2046	530	525	2
U- 232 000 1961 ODS 02/08/65	246.500	0.7575	34.40794	161.48	947.19	23477	16466	0.2054	515	510	2
U- 232 000 1961 ODS 02/08/65	247.500	0.8663	34.13046	83.41	487.28	23277	16672	0.2062	515	510	2
U- 232 000 1961 ODS 02/08/65	248.500	0.9586	33.85632	24.55	142.87	23439	20805	0.2071	570	565	2
U- 232 000 1961 ODS 02/08/65	249.500	0.9658	33.58547	20.21	117.11	23102	20666	0.2079	579	573	2
U- 232 000 1961 ODS 02/08/65	250.500	0.9704	33.18525	17.44	100.49	24604	21696	0.2092	1079	1068	4
U- 232 000 1961 ODS 02/08/65	251.500	0.9682	32.66266	18.77	107.26	46366	41567	0.2108	1091	1080	4
U- 232 000 1961 ODS 02/08/65	252.500	0.9644	32.19231	21.09	119.57	46232	41282	0.2125	1013	1003	4
U- 232 000 1961 ODS 02/08/65	253.500	0.9623	31.65383	22.35	125.74	46782	41681	0.2142	1185	1173	4
U- 232 000 1961 ODS 02/08/65	254.500	0.9628	31.16686	22.02	122.92	46418	41380	0.2158	1078	1067	4
U- 232 000 1961 ODS 02/08/65	255.500	0.9694	30.69104	18.09	100.24	44758	40170	0.2175	1050	1039	4
U- 232 000 1961 ODS 02/08/65	256.500	0.9777	30.22603	13.09	71.98	44803	40557	0.2192	1051	1040	4
U- 232 000 1961 ODS 02/08/65	257.500	0.9685	29.77151	18.59	101.45	45066	40411	0.2208	988	978	4
U- 232 000 1961 ODS 02/08/65	258.500	0.9675	29.32716	19.19	103.94	44480	39844	0.2225	1019	1009	4
U- 232 000 1961 ODS 02/08/65	259.500	0.9421	28.78558	34.68	186.04	66787	58292	0.2246	1452	1437	6
U- 232 000 1961 ODS 02/08/65	260.500	0.8717	28.36305	79.83	425.18	22462	18127	0.2262	523	517	2
U- 232 000 1961 ODS 02/08/65	261.500	0.7454	28.19526	170.82	906.42	22392	15492	0.2271	469	464	2
U- 232 000 1961 ODS 02/08/65	262.500	0.4807	27.94975	425.84	2251.29	22167	9865	0.2279	481	477	2
U- 232 000 1961 ODS 02/08/65	263.500	0.3949	27.74648	540.05	2844.71	22286	8148	0.2287	467	463	2
U- 232 000 1961 ODS 02/08/65	264.500	0.6177	27.54542	280.04	1469.78	21854	12497	0.2296	472	467	2
U- 232 000 1961 ODS 02/08/65	265.500	0.8185	27.34653	115.41	608.76	21982	16657	0.2304	433	429	2
U- 232 000 1961 ODS 02/08/65	266.500	0.9176	27.14980	49.97	260.36	21484	18251	0.2312	442	438	2
U- 232 000 1961 ODS 02/08/65	267.500	0.9432	26.95517	33.99	176.45	21977	19191	0.2321	433	428	2
U- 232 000 1961 ODS 02/08/65	268.500	0.9471	26.66714	31.61	163.22	44082	38650	0.2333	930	920	4
U- 232 000 1961 ODS 02/08/65	269.500	0.9544	26.29023	27.15	139.23	43800	38698	0.2350	852	843	4
U- 232 000 1961 ODS 02/08/65	270.500	0.9481	25.92125	30.97	157.66	43439	38127	0.2367	943	934	4
U- 232 000 1961 ODS 02/08/65	271.500	0.9644	25.55998	21.04	106.39	42970	38365	0.2383	875	866	4
U- 232 000 1961 ODS 02/08/65	272.500	0.9311	25.11892	41.50	207.99	65370	56345	0.2404	1282	1270	6
U- 232 000 1961 ODS 02/08/65	273.500	0.9399	24.77424	36.06	179.49	21388	18608	0.2421	468	463	2
U- 232 000 1961 ODS 02/08/65	274.500	0.8695	24.60455	81.27	403.14	21589	17377	0.2429	466	461	2
U- 232 000 1961 ODS 02/08/65	275.500	0.8103	24.43660	122.31	604.60	21493	16121	0.2437	447	442	2
U- 232 000 1961 ODS 02/08/65	276.500	0.6615	24.27037	240.24	1183.54	2112					

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
U- 232 000 1961 ODS 02/08/65		315.500	0,5515	21,00360	345,89	1585,20	20275 10350	0,2629	374	370	2
U- 232 000 1961 ODS 02/08/65		316.500	0,6285	20,87109	269,97	1233,35	20529 11942	0,2637	290	287	2
U- 232 000 1961 ODS 02/08/65		317.500	0,7130	20,73983	196,61	895,37	20066 13243	0,2646	347	343	2
U- 232 000 1961 ODS 02/08/65		318.500	0,7789	20,60980	145,26	659,44	20359 14677	0,2654	297	294	2
U- 232 000 1961 ODS 02/08/65		319.500	0,8055	20,48098	125,70	568,89	20340 15165	0,2662	325	322	2
U- 232 000 1961 ODS 02/08/65		320.500	0,8375	20,35338	103,10	465,14	20596 15964	0,2671	368	365	2
U- 232 000 1961 ODS 02/08/65		321.500	0,8774	20,22696	76,02	341,91	20217 16416	0,2679	302	299	2
U- 232 000 1961 ODS 02/08/65		322.500	0,9049	20,10171	58,07	260,35	20217 16933	0,2687	305	302	2
U- 232 000 1961 ODS 02/08/65		324.500	0,9114	19,85469	53,96	240,42	59645 50311	0,2704	899	890	6
U- 232 000 1961 ODS 02/08/65		327.000	0,9184	19,55226	49,48	218,78	39693 33740	0,2725	557	551	4
U- 232 000 1961 ODS 02/08/65		329.500	0,9320	19,25669	40,91	179,54	59019 50911	0,2746	759	751	6
U- 232 000 1961 ODS 02/08/65		332.000	0,9344	18,96777	39,41	171,64	38725 33491	0,2767	599	593	4
U- 232 000 1961 ODS 02/08/65		334.500	0,9399	18,68531	36,04	155,79	58169 50894	0,2787	827	819	6
U- 232 000 1961 ODS 02/08/65		337.500	0,9368	18,35460	37,97	162,65	58860 51029	0,2812	787	779	6
U- 232 000 1961 ODS 02/08/65		340.500	0,9548	18,03260	26,91	114,27	57837 51105	0,2837	802	794	6
U- 232 000 1961 ODS 02/08/65		343.500	0,9423	17,71899	34,56	145,46	57911 50500	0,2862	763	755	6
U- 232 000 1961 ODS 02/08/65		346.500	0,9501	17,41350	29,78	124,27	57343 50417	0,2887	691	684	6
U- 232 000 1961 ODS 02/08/65		349.500	0,9574	17,11584	25,32	104,76	56804 50327	0,2912	689	682	6
U- 232 000 1961 ODS 02/08/65		352.500	0,9424	16,82575	34,52	141,58	57546 50184	0,2937	664	657	6
U- 232 000 1961 ODS 02/08/65		355.500	0,9378	16,54296	37,35	151,93	56841 49326	0,2962	692	685	6
U- 232 000 1961 ODS 02/08/65		358.500	0,9384	16,26725	36,98	149,16	55266 47989	0,2987	651	644	6
U- 232 000 1961 ODS 02/08/65		362.000	0,9355	15,95421	38,77	154,87	73971 64033	0,3017	817	808	8
U- 232 000 1961 ODS 02/08/65		365.500	0,9339	15,65012	39,76	157,30	54825 47377	0,3046	638	632	6
U- 232 000 1961 ODS 02/08/65		369.000	0,9175	15,35465	50,05	196,12	73529 62425	0,3075	792	784	8
U- 232 000 1961 ODS 02/08/65		372.500	0,9165	15,06746	50,68	196,73	53946 45749	0,3104	553	547	6
U- 232 000 1961 ODS 02/08/65		376.000	0,8971	14,78925	63,11	242,69	72014 59776	0,3133	759	751	8
U- 232 000 1961 ODS 02/08/65		380.000	0,8891	14,47856	68,34	260,04	70772 58200	0,3167	743	735	8
U- 232 000 1961 ODS 02/08/65		384.000	0,8530	14,17849	92,44	348,08	71325 56291	0,3200	728	721	8
U- 232 000 1961 ODS 02/08/65		386.500	0,8388	13,99567	102,21	382,36	71463 13552	0,3221	216	214	2
U- 232 000 1961 ODS 02/08/65		387.500	0,8139	13,92352	119,69	446,60	71301 13029	0,3229	192	190	2
U- 232 000 1961 ODS 02/08/65		388.500	0,7887	13,85194	137,96	513,47	71745 12752	0,3237	174	173	2
U- 232 000 1961 ODS 02/08/65		389.500	0,7687	13,78090	152,88	567,54	68944 12016	0,3246	202	200	2
U- 232 000 1961 ODS 02/08/65		390.500	0,7628	13,71041	157,37	582,69	71163 12113	0,3254	159	157	2
U- 232 000 1961 ODS 02/08/65		391.500	0,7199	13,64046	191,07	705,67	71728 11508	0,3262	166	164	2
U- 232 000 1961 ODS 02/08/65		392.500	0,7019	13,57104	205,74	757,94	71298 11234	0,3271	198	196	2
U- 232 000 1961 ODS 02/08/65		393.500	0,6675	13,50215	234,97	863,42	71167 10601	0,3279	172	170	2
U- 232 000 1961 ODS 02/08/65		394.500	0,6236	13,43379	274,55	1006,28	71213 9931	0,3287	162	161	2
U- 232 000 1961 ODS 02/08/65		395.500	0,5574	13,36594	339,72	1242,01	71025 8780	0,3296	192	191	2
U- 232 000 1961 ODS 02/08/65		396.500	0,5044	13,29861	397,82	1450,73	71105 7982	0,3304	171	169	2
U- 232 000 1961 ODS 02/08/65		397.500	0,4268	13,23178	494,94	1800,39	6664	0,3312	170	168	2
U- 232 000 1961 ODS 02/08/65		398.500	0,3458	13,16546	617,32	2239,89	6781	0,3321	155	154	2
U- 232 000 1961 ODS 02/08/65		399.500	0,2467	13,09963	813,57	2944,57	7090	0,3329	170	168	2
U- 232 000 1961 ODS 02/08/65		400.500	0,1497	13,03429	1103,96	3985,64	7049	0,3337	186	186	2
U- 232 000 1961 ODS 02/08/65		401.500	0,0842	12,96945	1438,44	5800,26	7025	0,3346	171	169	2
U- 232 000 1961 ODS 02/08/65		402.500	0,0438	12,90508	1818,54	6532,86	7044	0,3354	180	179	2
U- 232 000 1961 ODS 02/08/65		403.500	0,0238	12,84120	2173,94	7790,21	6875	0,3362	171	169	2
U- 232 000 1961 ODS 02/08/65		404.500	0,0122	12,77778	2563,44	9163,28	6870	0,3371	178	176	2
U- 232 000 1961 ODS 02/08/65		405.500	0,0159	12,71484	2407,03	8582,95	6469	0,3379	161	160	2
U- 232 000 1961 ODS 02/08/65		406.500	0,0164	12,65236	2390,97	8504,70	6526	0,3387	138	137	2
U- 232 000 1961 ODS 02/08/65		407.500	0,0302	12,59034	2034,74	7219,85	6600	0,3396	154	152	2
U- 232 000 1961 ODS 02/08/65		408.500	0,0756	12,52877	1501,44	5314,48	6798	0,3404	140	138	2
U- 232 000 1961 ODS 02/08/65		409.500	0,1528	12,46765	1092,15	3856,32	6295	0,3412	150	149	2
U- 232 000 1961 ODS 02/08/65		410.500	0,2544	12,40698	795,61	2802,40	6582	0,3421	153	151	2
U- 232 000 1961 ODS 02/08/65		411.500	0,3576	12,34676	597,73	2100,31	6322	0,3429	182	180	2
U- 232 000 1961 ODS 02/08/65		412.500	0,4500	12,28697	464,21	1627,19	6656	0,3437	187	185	2
U- 232 000 1961 ODS 02/08/65		413.500	0,5403	12,22761	357,85	1251,31	6105	0,3446	187	185	2
U- 232 000 1961 ODS 02/08/65		414.500	0,5925	12,16866	304,28	1061,44	6446	0,3454	194	190	2
U- 232 000 1961 ODS 02/08/65		415.500	0,6603	12,11018	241,27	839,60	6221	0,3462	163	161	2
U- 232 000 1961 ODS 02/08/65		416.500	0,7106	12,05209	198,64	689,59	6687	0,3471	143	142	2
U- 232 000 1961 ODS 02/08/65		417.500	0,7390	11,99443	175,81	608,89	6204	0,3479	175	173	2
U- 232 000 1961 ODS 02/08/65		418.500	0,7826	11,93718	149,48	492,26	6261	0,3487	153	151	2
U- 232 000 1961 ODS 02/08/65		419.500	0,7923	11,88033	135,36	466,55	6239	0,3496	160	159	2
U- 232 000 1961 ODS 02/08/65		420.500	0,8531	11,82389	92,32	317,46	6593	0,3504	159	157	2
U- 232 000 1961 ODS 02/08/65		421.500	0,8566	11,76786	89,96	308,60	6578	0,3512	111	110	2
U- 232 000 1961 ODS 02/08/65		422.500	0,8796	11,71222	74,58	255,25	6017	0,3521	171	169	2
U- 232 000 1961 ODS 02/08/65		423.500	0,8979	11,57483	62,63	213,07	63175	0,3542	599	593	8
U- 232 000 1961 ODS 02/08/65		429.000	0,9181	11,35999	49,67	167,41	63203	0,3577	527	521	8
U- 232 000 1961 ODS 02/08/65		433.000	0,9401	11,15108	35,89	119,85	62451	0,3608	635	629	8
U- 232 000 1961 ODS 02/08/65		437.000	0,9925	10,94787	28,31	93,67	61932	0,3642	595	589	8
U- 232 000 1961 ODS 02/08/65		441.000	0,9607	10,75017	23,28	76,34	60725	0,3675	565	560	8
U- 232 000 1961 ODS 02/08/65		445.000	0,9624	10,55778	22,28	72,38	60277	0,3708	657	650	8
U- 232 000 1961 ODS 02/08/65		449.000	0,9637	10,37050	21,50	69,25	60450	0,3742	585	579	8
U- 232 000 1961 ODS 02/08/65		453.500	0,9687	10,16572	18,46	58,87	73145	0,3779	767	760	10
U- 232 000 1961 ODS 02/08/65		458.000	0,9695	9,96693	18,02	56,88	58092	0,3817	591	585	8
U- 232 000 1961 ODS 02/08/65		462.500	0,9779	9,77393	13,01	40,66	71189	0,3854	781	773	10
U- 232 000 1961 ODS 02/08/65		467.500	0,9716	9,56598	16,73	51,74	70744	0,3896	747	739	10
U- 232 000 1961 ODS 02/08/65		472.500	0,9737	9,36459	15,46	47,32	69866	0,3937	790	782	10
U- 232 000 1961 ODS 02/08/65		477.500	0,9719	9,16950	16,59	50,22	69020	0,3979	778	771	10
U- 232 000 1961 ODS 02/08/65		483.000	0,9751	8,96186	14,67	43,92	81597	0,4025	967	957	12
U- 232 000 1961 ODS 02/08/65		488.500	0,9839	8,76120	9,41	27,86	66287	0,4071	694	687	10
U- 232 000 1961 ODS 02/08/65		494.000	0,9746	8,56719	14,94	43,74	78958	0,4117	968	959	12
U- 232 000 1961 ODS 02/08/65		500.000	0,9704	8,36282	17,49	50,58	77636	0,4167	891	882	12
U- 232 000 1961 ODS 02/08/65		503.500	0,9666	8,24695	19,77	56,77	12841	0,4196	139	137	2
U- 232 000 1961 ODS 02/08/65		504.500	0,9829	8,21429	10,00	28,66	12823	0,4204	133	131	2
U- 232 000 1961 ODS 02/08/65		505.500	0,9928	8,18183	4,17	11,94	12801	0,4212	140	138	2
U- 232 000 1961 ODS 02/08/65		506.500	0,9819	8,14955	10,59	30,25					

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC	COUNTS	FRAC.	FAST	BKGS	NO.	PTS
						ROOT E	OPEN SAMPLE	OF OCT	OPEN	SAMPLE		AVE.
U- 232 000 1961 ODS 02/08/65		521.500	0.9746	7.68748	14.98	41.53	11953	10793	0.4346	158	156	2
U- 232 000 1961 ODS 02/08/65		522.500	0.9859	7.65808	8.26	22.87	11848	10822	0.4354	131	130	2
U- 232 000 1961 ODS 02/08/65		523.500	0.9638	7.62885	21.45	59.24	11868	10597	0.4362	106	105	2
U- 232 000 1961 ODS 02/08/65		524.500	0.9475	7.59979	31.35	86.42	12042	10571	0.4371	142	141	2
U- 232 000 1961 ODS 02/08/65		525.500	0.9331	7.57089	40.26	110.79	11845	10240	0.4379	128	127	2
U- 232 000 1961 ODS 02/08/65		526.500	0.9112	7.54216	54.04	148.41	12055	10177	0.4387	150	148	2
U- 232 000 1961 ODS 02/08/65		527.500	0.9470	7.51359	31.65	86.76	11900	10440	0.4396	140	138	2
U- 232 000 1961 ODS 02/08/65		528.500	0.9353	7.48519	38.87	106.35	12130	10511	0.4404	134	133	2
U- 232 000 1961 ODS 02/08/65		529.500	0.9720	7.45694	16.51	45.08	11776	10604	0.4412	129	128	2
U- 232 000 1961 ODS 02/08/65		530.500	0.9644	7.42885	21.06	57.40	12064	10779	0.4421	139	137	2
U- 232 000 1961 ODS 02/08/65		531.500	0.9607	7.40093	23.31	63.42	11738	10446	0.4429	159	158	2
U- 232 000 1961 ODS 02/08/65		532.500	0.9706	7.37315	17.36	47.14	11739	10556	0.4437	160	159	2
U- 232 000 1961 ODS 02/08/65		533.500	0.9597	7.34554	23.89	64.75	11626	10337	0.4446	160	159	2
U- 232 000 1961 ODS 02/08/65		534.500	0.9613	7.31808	22.95	62.08	11580	10313	0.4454	136	135	2
U- 232 000 1961 ODS 02/08/65		535.500	0.9754	7.29077	14.47	39.07	11534	10422	0.4462	142	141	2
U- 232 000 1961 ODS 02/08/65		536.500	0.9598	7.26362	23.84	64.26	11728	10427	0.4471	162	160	2
U- 232 000 1961 ODS 02/08/65		537.500	0.9354	7.23662	38.84	104.49	11645	10086	0.4479	147	146	2
U- 232 000 1961 ODS 02/08/65		538.500	0.9621	7.20977	22.49	60.38	11517	10260	0.4487	166	165	2
U- 232 000 1961 ODS 02/08/65		539.500	0.9661	7.18306	20.03	53.68	11349	10152	0.4496	165	164	2
U- 232 000 1961 ODS 02/08/65		540.500	0.9667	7.15651	19.70	52.69	11579	10361	0.4504	136	135	2
U- 232 000 1961 ODS 02/08/65		541.500	0.9659	7.13010	20.16	53.83	11361	10156	0.4512	165	164	2
U- 232 000 1961 ODS 02/08/65		542.500	0.9589	7.10384	24.40	65.04	11334	10055	0.4521	135	134	2
U- 232 000 1961 ODS 02/08/65		544.500	0.9585	7.05175	24.64	65.42	34172	30283	0.4537	388	384	6
U- 232 000 1961 ODS 02/08/65		548.000	0.9448	6.96196	33.02	87.12	45184	39403	0.4567	582	576	8
U- 232 000 1961 ODS 02/08/65		552.000	0.9454	6.86143	32.66	85.55	44431	38654	0.4600	551	546	8
U- 232 000 1961 ODS 02/08/65		556.500	0.9378	6.75091	37.33	96.99	54395	46881	0.4637	720	712	10
U- 232 000 1961 ODS 02/08/65		561.000	0.9326	6.64304	40.56	104.53	43098	37032	0.4675	565	559	8
U- 232 000 1961 ODS 02/08/65		565.000	0.9119	6.54931	53.62	137.22	42590	35807	0.4708	585	579	8
U- 232 000 1961 ODS 02/08/65		569.000	0.8940	6.45755	65.11	165.45	41763	34498	0.4742	622	616	8
U- 232 000 1961 ODS 02/08/65		571.500	0.8732	6.40118	78.81	199.40	10438	8427	0.4762	150	148	2
U- 232 000 1961 ODS 02/08/65		572.500	0.8741	6.37884	78.25	197.63	10301	8326	0.4771	154	153	2
U- 232 000 1961 ODS 02/08/65		573.500	0.8377	6.35661	102.93	259.51	10223	7921	0.4779	128	127	2
U- 232 000 1961 ODS 02/08/65		574.500	0.8443	6.33450	98.40	247.65	10432	8147	0.4787	118	117	2
U- 232 000 1961 ODS 02/08/65		575.500	0.8070	6.31251	124.62	313.10	10287	7680	0.4796	164	162	2
U- 232 000 1961 ODS 02/08/65		576.500	0.7965	6.29063	132.28	331.77	10432	7686	0.4804	154	153	2
U- 232 000 1961 ODS 02/08/65		577.500	0.7454	6.26886	170.78	427.59	10460	7216	0.4812	128	127	2
U- 232 000 1961 ODS 02/08/65		578.500	0.7292	6.24721	183.61	458.92	10289	6944	0.4821	145	143	2
U- 232 000 1961 ODS 02/08/65		579.500	0.6758	6.22566	227.83	568.46	10048	6285	0.4829	152	150	2
U- 232 000 1961 ODS 02/08/65		580.500	0.6272	6.20423	271.21	675.54	10112	5871	0.4837	122	121	2
U- 232 000 1961 ODS 02/08/65		581.500	0.5416	6.18291	356.42	886.25	10121	5075	0.4846	156	154	2
U- 232 000 1961 ODS 02/08/65		582.500	0.4757	6.16170	431.91	1072.12	9962	4387	0.4854	121	119	2
U- 232 000 1961 ODS 02/08/65		583.500	0.3663	6.14060	583.83	1446.75	9844	3338	0.4862	112	111	2
U- 232 000 1961 ODS 02/08/65		584.500	0.2443	6.11961	819.18	2026.48	10033	2269	0.4871	135	134	2
U- 232 000 1961 ODS 02/08/65		585.500	0.1525	6.09872	1093.20	2699.72	9862	1392	0.4879	113	112	2
U- 232 000 1961 ODS 02/08/65		586.500	0.0886	6.07794	1408.88	3473.37	9779	802	0.4887	131	130	2
U- 232 000 1961 ODS 02/08/65		587.500	0.0482	6.05727	1763.28	4339.71	10001	448	0.4896	139	137	2
U- 232 000 1961 ODS 02/08/65		588.500	0.0299	6.03670	2040.90	5014.42	9798	270	0.4904	163	161	2
U- 232 000 1961 ODS 02/08/65		589.500	0.0227	6.01624	2200.16	5396.55	9917	206	0.4912	128	127	2
U- 232 000 1961 ODS 02/08/65		590.500	0.0187	5.99588	2313.09	5663.94	9680	167	0.4921	140	138	2
U- 232 000 1961 ODS 02/08/65		591.500	0.0182	5.97562	2327.52	5689.65	9641	162	0.4929	145	143	2
U- 232 000 1961 ODS 02/08/65		592.500	0.0152	5.95547	2432.36	5935.89	9765	137	0.4937	127	125	2
U- 232 000 1961 ODS 02/08/65		593.500	0.0166	5.93542	2383.88	5807.77	9767	145	0.4946	127	125	2
U- 232 000 1961 ODS 02/08/65		594.500	0.0265	5.91546	2110.69	5133.57	9650	236	0.4954	146	144	2
U- 232 000 1961 ODS 02/08/65		595.500	0.0542	5.89561	1694.49	4114.37	9586	480	0.4962	119	118	2
U- 232 000 1961 ODS 02/08/65		596.500	0.1216	5.87586	1224.64	2968.55	9728	1095	0.4971	169	167	2
U- 232 000 1961 ODS 02/08/65		597.500	0.2177	5.85621	886.22	2144.61	9367	1887	0.4979	175	173	2
U- 232 000 1961 ODS 02/08/65		598.500	0.3351	5.83666	635.56	1535.45	9628	2986	0.4987	125	124	2
U- 232 000 1961 ODS 02/08/65		599.500	0.4295	5.81720	491.24	1184.81	9312	3707	0.4996	141	140	2
U- 232 000 1961 ODS 02/08/65		600.500	0.5125	5.79784	388.55	935.59	9523	4516	0.5004	156	154	2
U- 232 000 1961 ODS 02/08/65		601.500	0.5831	5.77858	313.57	753.79	9524	5141	0.5012	144	142	2
U- 232 000 1961 ODS 02/08/65		602.500	0.6288	5.75942	269.66	647.15	9438	5495	0.5021	139	137	2
U- 232 000 1961 ODS 02/08/65		603.500	0.6841	5.74035	220.73	528.85	9451	5986	0.5029	136	135	2
U- 232 000 1961 ODS 02/08/65		604.500	0.6945	5.72137	211.94	506.95	9640	6199	0.5037	158	156	2
U- 232 000 1961 ODS 02/08/65		605.500	0.7598	5.70249	159.72	381.40	9297	6541	0.5046	152	150	2
U- 232 000 1961 ODS 02/08/65		606.500	0.7947	5.68370	133.58	318.46	9281	6825	0.5054	131	130	2
U- 232 000 1961 ODS 02/08/65		607.500	0.8055	5.66500	125.76	299.34	9227	6882	0.5062	141	140	2
U- 232 000 1961 ODS 02/08/65		608.500	0.8065	5.64640	125.00	297.03	9485	7084	0.5071	168	166	2
U- 232 000 1961 ODS 02/08/65		609.500	0.8147	5.62788	119.14	282.64	9572	7222	0.5079	134	133	2
U- 232 000 1961 ODS 02/08/65		610.500	0.8401	5.60946	101.31	239.94	9189	7145	0.5087	170	168	2
U- 232 000 1961 ODS 02/08/65		613.500	0.8841	5.55474	71.60	168.74	44987	36840	0.5112	711	704	10
U- 232 000 1961 ODS 02/08/65		619.000	0.9163	5.45646	50.82	118.72	53462	45375	0.5158	814	806	12
U- 232 000 1961 ODS 02/08/65		625.000	0.9244	5.35220	45.72	105.77	52594	45024	0.5208	866	848	12
U- 232 000 1961 ODS 02/08/65		631.000	0.9465	5.25090	31.97	73.25	50475	44246	0.5258	941	931	12
U- 232 000 1961 ODS 02/08/65		637.000	0.9572	5.15245	25.42	57.70	50012	44330	0.5308	738	731	12
U- 232 000 1961 ODS 02/08/65		646.500	0.9602	5.00214	23.59	52.75	105868	94124	0.5387	1762	1744	26
U- 232 000 1961 ODS 02/08/65		660.000	0.9676	4.79960	19.12	41.90	107838	96598	0.5500	1855	1837	28
U- 232 000 1961 ODS 02/08/65		674.000	0.9711	4.60228	17.06	36.60	103485	93031	0.5617	2065	2044	28
U- 232 000 1961 ODS 02/08/65		689.000	0.9713	4.40407	16.92	35.50	111308	100115	0.5742	2635	2609	32
U- 232 000 1961 ODS 02/08/65		705.500	0.9705	4.20048	17.38	35.63	109935	98827	0.5879	2790	2762	34
U- 232 000 1961 ODS 02/08/65		723.000	0.9691	3.99959	18.27	36.53	109358	98166	0.6025	3036	3006	36
U- 232 000 1961 ODS 02/08/65		741.500	0.9740	3.80251	15.33	29.89	107879	97257	0.6179	3202	3170	38
U- 232 000 1961 ODS 02/08/65		762.000	0.9740	3.60066	15.31	29.05	115381	103882	0.6350	37		

RUN 1962

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE,
U- 232 000 1962 ODS 02/08/65		20,500	0,9796	4974,90540	11,57	816,20	99830 93192	0,0170	20413 20209	6
U- 232 000 1962 ODS 02/08/65		23,000	0,9630	3952,18146	21,15	1329,90	72216 66270	0,0191	7958 7878	4
U- 232 000 1962 ODS 02/08/65		24,500	0,9543	3483,05539	26,20	1546,19	37680 34267	0,0203	4085 4045	2
U- 232 000 1962 ODS 02/08/65		25,500	0,9550	3215,23105	25,79	1462,32	36984 33659	0,0212	3815 3777	2
U- 232 000 1962 ODS 02/08/65		26,500	0,9633	2977,15057	20,98	1144,67	35148 32263	0,0220	3787 3749	2
U- 232 000 1962 ODS 02/08/65		27,500	0,9551	2764,56726	25,73	1352,70	32027 29150	0,0228	3462 3427	2
U- 232 000 1962 ODS 02/08/65		28,500	0,9591	2573,96613	23,39	1186,69	29151 26644	0,0237	3896 3857	2
U- 232 000 1962 ODS 02/08/65		29,500	0,9385	2402,41769	35,55	1742,69	30650 27412	0,0245	2847 2818	2
U- 232 000 1962 ODS 02/08/65		30,500	0,9665	2247,46463	19,08	904,61	32641 30063	0,0253	3121 3090	2
U- 232 000 1962 ODS 02/08/65		31,500	0,9648	2107,03351	20,10	922,82	35189 32350	0,0261	2706 2679	2
U- 232 000 1962 ODS 02/08/65		32,500	0,9643	1979,36473	20,37	906,20	38507 35383	0,0270	1982 1962	2
U- 232 000 1962 ODS 02/08/65		33,500	0,9509	1862,95744	28,21	1217,59	38274 34680	0,0278	2225 2203	2
U- 232 000 1962 ODS 02/08/65		34,500	0,9753	1756,52509	14,03	587,87	38327 35618	0,0286	2079 2058	2
U- 232 000 1962 ODS 02/08/65		35,500	0,9531	1658,95972	26,95	1097,70	38640 35091	0,0295	1895 1836	2
U- 232 000 1962 ODS 02/08/65		36,500	0,9596	1569,30305	23,11	915,66	37941 34691	0,0303	2470 2446	2
U- 232 000 1962 ODS 02/08/65		37,500	0,9686	1486,72284	17,86	688,83	37073 34217	0,0311	2780 2752	2
U- 232 000 1962 ODS 02/08/65		38,500	0,9609	1410,49850	22,35	839,54	38246 35018	0,0320	2565 2539	2
U- 232 000 1962 ODS 02/08/65		39,500	0,9571	1339,98012	24,60	900,56	37359 34068	0,0328	3298 3265	2
U- 232 000 1962 ODS 02/08/65		40,500	0,9564	1274,62520	24,97	891,65	36954 33677	0,0336	3344 3311	2
U- 232 000 1962 ODS 02/08/65		41,500	0,9551	1213,93758	25,74	896,85	34529 31423	0,0344	3869 3830	2
U- 232 000 1962 ODS 02/08/65		42,500	0,9513	1157,48317	28,00	952,64	31230 28307	0,0353	4780 4732	2
U- 232 000 1962 ODS 02/08/65		43,500	0,9441	1104,87726	32,25	1071,88	32354 29104	0,0361	4857 4808	2
U- 232 000 1962 ODS 02/08/65		44,500	0,9417	1055,77780	33,66	1093,66	35042 31442	0,0369	4968 4918	2
U- 232 000 1962 ODS 02/08/65		45,500	0,9573	1009,87996	24,48	777,97	35314 32209	0,0378	4937 4888	2
U- 232 000 1962 ODS 02/08/65		46,500	0,9566	966,91132	24,84	772,42	35681 32705	0,0386	5075 5024	2
U- 232 000 1962 ODS 02/08/65		47,500	0,9619	926,62781	21,78	662,90	34900 31985	0,0394	5858 5800	2
U- 232 000 1962 ODS 02/08/65		48,500	0,9480	888,21029	29,91	891,71	36186 32685	0,0403	5487 5432	2
U- 232 000 1962 ODS 02/08/65		49,500	0,9747	853,26150	14,39	420,32	34875 32386	0,0411	5719 5662	2
U- 232 000 1962 ODS 02/08/65		50,500	0,9613	819,60354	22,11	632,93	35178 32220	0,0419	5402 5348	2
U- 232 000 1962 ODS 02/08/65		51,500	0,9246	788,27561	43,94	1233,58	35691 31441	0,0427	5295 5242	2
U- 232 000 1962 ODS 02/08/65		52,500	0,9392	758,53206	35,14	967,80	35426 31701	0,0436	5158 5107	2
U- 232 000 1962 ODS 02/08/65		53,500	0,9427	730,44073	33,10	894,65	34593 31068	0,0444	5295 5202	2
U- 232 000 1962 ODS 02/08/65		54,500	0,9536	703,88148	26,64	706,77	34698 31524	0,0452	5110 5059	2
U- 232 000 1962 ODS 02/08/65		55,500	0,9392	678,74490	35,15	915,65	35030 31345	0,0461	4438 4394	2
U- 232 000 1962 ODS 02/08/65		56,500	0,9465	654,93116	30,82	788,75	34407 31026	0,0469	4759 4711	2
U- 232 000 1962 ODS 02/08/65		57,500	0,9301	632,34903	40,60	1020,88	34277 30374	0,0477	4025 3984	2
U- 232 000 1962 ODS 02/08/65		58,500	0,9451	610,91504	31,64	781,92	34023 30635	0,0486	3904 3865	2
U- 232 000 1962 ODS 02/08/65		59,500	0,9303	590,55264	40,50	984,25	33660 29832	0,0494	3378 3344	2
U- 232 000 1962 ODS 02/08/65		60,500	0,9342	571,19158	38,17	912,16	34267 30497	0,0502	3108 3077	2
U- 232 000 1962 ODS 02/08/65		61,500	0,9340	552,76727	38,28	899,97	33538 29842	0,0510	2932 2903	2
U- 232 000 1962 ODS 02/08/65		62,500	0,9653	535,22022	19,81	458,32	33526 30831	0,0519	2623 2596	2
U- 232 000 1962 ODS 02/08/65		63,500	0,9430	518,49563	32,91	749,33	33490 30086	0,0527	2231 2209	2
U- 232 000 1962 ODS 02/08/65		64,500	0,9239	502,54287	44,37	994,61	34421 30296	0,0535	2072 2051	2
U- 232 000 1962 ODS 02/08/65		65,500	0,9385	487,31519	35,55	784,73	33367 29834	0,0544	2050 2029	2
U- 232 000 1962 ODS 02/08/65		66,500	0,9495	472,76929	29,02	630,89	33339 30158	0,0552	1570 1555	2
U- 232 000 1962 ODS 02/08/65		67,500	0,9269	458,66507	42,57	911,81	32519 28714	0,0560	1891 1833	2
U- 232 000 1962 ODS 02/08/65		68,500	0,9177	445,56535	48,14	1016,23	31888 27877	0,0569	1630 1614	2
U- 232 000 1962 ODS 02/08/65		69,500	0,9387	432,83557	35,48	738,23	31038 27754	0,0577	1516 1501	2
U- 232 000 1962 ODS 02/08/65		70,500	0,9409	420,64363	34,16	700,68	30733 27546	0,0585	1484 1469	2
U- 232 000 1962 ODS 02/08/65		71,500	0,9374	408,95965	36,24	732,94	30233 26997	0,0593	1297 1284	2
U- 232 000 1962 ODS 02/08/65		72,500	0,9489	397,75581	29,40	586,34	29422 26596	0,0602	1299 1286	2
U- 232 000 1962 ODS 02/08/65		73,500	0,9457	387,00615	31,28	615,29	27177 24484	0,0610	1233 1221	2
U- 232 000 1962 ODS 02/08/65		74,500	0,9689	376,68645	17,72	343,92	23861 22022	0,0618	1232 1220	2
U- 232 000 1962 ODS 02/08/65		75,500	0,9535	366,77409	26,67	510,77	18750 17031	0,0627	1336 1323	2
U- 232 000 1962 ODS 02/08/65		76,500	0,9246	357,24789	43,91	830,02	13150 11583	0,0635	1103 1092	2
U- 232 000 1962 ODS 02/08/65		77,500	0,9203	348,08807	46,56	868,66	8054 7061	0,0643	1217 1204	2
U- 232 000 1962 ODS 02/08/65		78,500	0,9147	339,27607	49,96	920,15	9378 8110	0,0652	1010 1000	2
U- 232 000 1962 ODS 02/08/65		79,500	0,9302	330,79451	40,58	738,06	14646 12977	0,0660	1064 1054	2
U- 232 000 1962 ODS 02/08/65		80,500	0,9182	322,62706	47,84	859,23	20808 18199	0,0668	1104 1093	2
U- 232 000 1962 ODS 02/08/65		81,500	0,9208	314,75840	46,26	820,72	24469 21462	0,0676	1199 1187	2
U- 232 000 1962 ODS 02/08/65		82,500	0,9390	307,17414	35,27	618,22	27039 24185	0,0685	1258 1245	2
U- 232 000 1962 ODS 02/08/65		83,500	0,9444	299,86073	32,04	554,75	27781 24992	0,0693	1334 1321	2
U- 232 000 1962 ODS 02/08/65		84,500	0,9438	292,80543	32,43	554,85	29235 26282	0,0701	1242 1229	2
U- 232 000 1962 ODS 02/08/65		85,500	0,9651	285,99623	19,94	337,15	29448 27070	0,0710	1362 1349	2
U- 232 000 1962 ODS 02/08/65		86,500	0,9505	279,42183	28,47	475,94	30411 27532	0,0718	1445 1430	2
U- 232 000 1962 ODS 02/08/65		87,500	0,9484	273,07154	29,72	491,04	30595 27638	0,0726	1424 1410	2
U- 232 000 1962 ODS 02/08/65		88,500	0,9143	266,93530	50,24	820,78	31251 27215	0,0735	1515 1500	2
U- 232 000 1962 ODS 02/08/65		89,500	0,8428	261,00359	95,86	1548,61	31118 24981	0,0743	1433 1418	2
U- 232 000 1962 ODS 02/08/65		90,500	0,8579	255,26742	85,93	1372,96	31187 25483	0,0751	1545 1530	2
U- 232 000 1962 ODS 02/08/65		91,500	0,9434	249,71829	32,66	516,09	31324 28147	0,0759	1345 1332	2
U- 232 000 1962 ODS 02/08/65		92,500	0,9607	244,34817	22,49	351,60	31353 28688	0,0768	1661 1644	2
U- 232 000 1962 ODS 02/08/65		93,500	0,9623	239,14942	21,55	333,20	31341 28726	0,0776	1424 1410	2
U- 232 000 1962 ODS 02/08/65		94,500	0,9612	234,11483	22,19	339,50	31314 28668	0,0784	1566 1571	2
U- 232 000 1962 ODS 02/08/65		95,500	0,9553	229,23758	25,62	387,89	31399 28570	0,0793	1471 1457	2
U- 232 000 1962 ODS 02/08/65		96,500	0,9522	224,51115	27,46	411,40	32116 29127	0,0801	1442 1427	2
U- 232 000 1962 ODS 02/08/65		97,500	0,9264	219,92941	42,84	635,29	31587 27871	0,0809	1296 1283	2
U- 232 000 1962 ODS 02/08/65		98,500	0,9241	215,48651	44,25	649,58	31838 28022	0,0818	1382 1368	2
U- 232 000 1962 ODS 02/08/65		99,500	0,9436	211,17689	32,53	472,71	31397 28218	0,0826	1315 1302	2
U- 232 000 1962 ODS 02/08/65		100,500	0,9522	206,99527	27,43	394,71	31305 28392	0,0834	1374 1360	2
U- 232 000 1962 ODS 02/08/65		101,500	0,9590	202,93664	23,48	334,47	30621 27968	0,0842	1293 1280	2
U- 232 000 1962 ODS 02/08/65		102,500	0,9541	198,99622	26,36	371,84	30721 27916	0,0851	1374 1360	2
U- 232 000 1962 ODS 02/08/65		103,500	0,8887	195,16945	66,14	924,06	31126 26345	0,0859	1332 1319	2
U- 232 000 1962 ODS 02/08/65		104,500	0,8100	191,45203	118,17	1634,44	31305 24149	0,0867	1239 1227	2
U- 232 000 1962 ODS 02/08/65		105,500	0,8541	187,83981	88,42	1211,79	30565 24862	0,0876	1290 1277	2
U- 232 000 1962 ODS 02/08/65		106,500	0,9266							

IDENTIFICATION	DATE	DELAY	TRANS,	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,
U- 232 000 1962 0DS 02/08/65		112,500	0,9505	165,19143	28,43	365,40	31381 28408	0,0934	1034	1024	2
U- 232 000 1962 0DS 02/08/65		113,500	0,9116	162,29339	51,87	660,79	30749 26696	0,0942	956	947	2
U- 232 000 1962 0DS 02/08/65		114,500	0,8329	159,47095	102,47	1293,95	30699 24352	0,0950	902	893	2
U- 232 000 1962 0DS 02/08/65		115,500	0,8786	156,72150	72,52	907,85	30417 25452	0,0959	1005	995	2
U- 232 000 1962 0DS 02/08/65		116,500	0,9175	154,04255	48,25	598,89	30397 26561	0,0967	890	881	2
U- 232 000 1962 0DS 02/08/65		117,500	0,9070	151,43171	54,70	673,18	29711 25663	0,0975	937	928	2
U- 232 000 1962 0DS 02/08/65		118,500	0,9305	149,68668	40,38	492,73	29691 26310	0,0984	814	806	2
U- 232 000 1962 0DS 02/08/65		119,500	0,8497	146,40528	91,27	1104,36	29086 23537	0,0992	795	787	2
U- 232 000 1962 0DS 02/08/65		120,500	0,7558	143,96540	156,94	1883,14	29670 21355	0,1000	827	819	2
U- 232 000 1962 0DS 02/08/65		121,500	0,8794	141,62502	72,01	856,99	28443 23821	0,1008	924	915	2
U- 232 000 1962 0DS 02/08/65		122,500	0,9539	139,32221	26,45	312,23	27119 24635	0,1017	963	953	2
U- 232 000 1962 0DS 02/08/65		123,500	0,9512	137,07512	28,03	328,19	25971 23525	0,1025	792	784	2
U- 232 000 1962 0DS 02/08/65		124,500	0,9319	134,88195	39,55	459,33	24144 21426	0,1033	848	840	2
U- 232 000 1962 0DS 02/08/65		125,500	0,8538	132,74100	88,60	1020,84	23293 18938	0,1042	869	860	2
U- 232 000 1962 0DS 02/08/65		126,500	0,7408	130,65063	168,15	1922,05	24841 17524	0,1050	770	762	2
U- 232 000 1962 0DS 02/08/65		127,500	0,8241	128,60924	108,46	1229,95	26179 20544	0,1058	755	747	2
U- 232 000 1962 0DS 02/08/65		128,500	0,8927	126,61533	63,65	716,19	28568 24284	0,1067	689	682	2
U- 232 000 1962 0DS 02/08/65		129,500	0,9442	124,66743	32,19	359,44	28995 26070	0,1075	823	815	2
U- 232 000 1962 0DS 02/08/65		130,500	0,9654	122,76414	19,76	218,96	29453 27075	0,1083	856	847	2
U- 232 000 1962 0DS 02/08/65		131,500	0,9749	120,90410	14,23	156,50	29160 27072	0,1091	914	905	2
U- 232 000 1962 0DS 02/08/65		132,500	0,9505	119,08602	28,43	310,20	29882 27048	0,1100	729	722	2
U- 232 000 1962 0DS 02/08/65		133,500	0,9658	117,30864	19,48	211,00	28637 26338	0,1108	780	773	2
U- 232 000 1962 0DS 02/08/65		134,500	0,8813	115,57076	70,81	761,19	29675 24904	0,1116	842	833	2
U- 232 000 1962 0DS 02/08/65		135,500	0,8750	113,87122	74,86	798,84	29227 24351	0,1125	871	862	2
U- 232 000 1962 0DS 02/08/65		136,500	0,9052	112,20888	55,85	591,60	29648 25554	0,1133	894	885	2
U- 232 000 1962 0DS 02/08/65		137,500	0,8015	110,58269	124,04	1304,36	28953 22096	0,1141	897	888	2
U- 232 000 1962 0DS 02/08/65		138,500	0,6971	108,99159	235,33	2456,81	29463 18436	0,1150	780	772	2
U- 232 000 1962 0DS 02/08/65		139,500	0,7451	107,43459	164,95	1709,73	29504 20932	0,1158	792	784	2
U- 232 000 1962 0DS 02/08/65		140,500	0,8911	105,91072	64,65	665,28	29467 25002	0,1166	961	951	2
U- 232 000 1962 0DS 02/08/65		141,500	0,8917	104,41903	64,25	656,56	29063 24676	0,1174	879	870	2
U- 232 000 1962 0DS 02/08/65		142,500	0,9480	102,95864	29,92	303,57	29055 26228	0,1183	973	963	2
U- 232 000 1962 0DS 02/08/65		143,500	0,9671	101,52868	18,75	188,91	29061 26761	0,1191	954	944	2
U- 232 000 1962 0DS 02/08/65		144,500	0,9823	100,12830	10,02	100,24	29258 27365	0,1199	1044	1034	2
U- 232 000 1962 0DS 02/08/65		145,500	0,9789	98,75670	11,93	118,58	29144 27165	0,1208	929	920	2
U- 232 000 1962 0DS 02/08/65		146,500	0,9668	97,41308	18,92	186,70	29254 26930	0,1216	905	895	2
U- 232 000 1962 0DS 02/08/65		147,500	0,9819	96,09671	10,21	100,13	29356 27166	0,1224	928	918	2
U- 232 000 1962 0DS 02/08/65		148,500	0,9574	94,08633	18,73	182,38	29322 27001	0,1233	1036	1026	2
U- 232 000 1962 0DS 02/08/65		149,500	0,9827	93,54276	9,77	94,47	28905 27047	0,1241	997	987	2
U- 232 000 1962 0DS 02/08/65		150,500	0,9744	92,30379	14,51	139,43	29092 26992	0,1249	1053	1042	2
U- 232 000 1962 0DS 02/08/65		151,500	0,9842	91,08928	8,92	85,17	28933 27113	0,1257	1032	1022	2
U- 232 000 1962 0DS 02/08/65		152,500	0,9764	89,89859	13,39	126,94	29405 27336	0,1266	1141	1130	2
U- 232 000 1962 0DS 02/08/65		153,500	0,9729	88,73108	15,38	144,87	29372 27208	0,1274	1156	1144	2
U- 232 000 1962 0DS 02/08/65		154,500	0,9721	87,58618	15,85	148,33	29465 27272	0,1282	1199	1187	2
U- 232 000 1962 0DS 02/08/65		155,500	0,9668	86,46329	18,90	175,77	29220 26899	0,1291	1314	1301	2
U- 232 000 1962 0DS 02/08/65		156,500	0,9759	85,36186	13,69	126,52	29319 27241	0,1299	1310	1297	2
U- 232 000 1962 0DS 02/08/65		157,500	0,9740	84,28134	14,77	135,58	28673 26589	0,1307	1339	1326	2
U- 232 000 1962 0DS 02/08/65		158,500	0,9634	83,22121	20,92	190,83	28781 26399	0,1316	1371	1357	2
U- 232 000 1962 0DS 02/08/65		159,500	0,9742	82,18095	14,64	132,74	28631 26557	0,1324	1399	1385	2
U- 232 000 1962 0DS 02/08/65		160,500	0,9810	81,16008	10,73	96,66	29119 27198	0,1332	1473	1459	2
U- 232 000 1962 0DS 02/08/65		161,500	0,9618	80,15811	21,82	195,34	28851 26419	0,1340	1466	1451	2
U- 232 000 1962 0DS 02/08/65		162,500	0,9545	79,17459	26,08	232,09	28720 26101	0,1349	1454	1439	2
U- 232 000 1962 0DS 02/08/65		163,500	0,9366	78,20905	36,70	324,52	28451 25370	0,1357	1579	1564	2
U- 232 000 1962 0DS 02/08/65		164,500	0,8571	77,26107	86,45	759,90	28530 23280	0,1365	1516	1503	2
U- 232 000 1962 0DS 02/08/65		165,500	0,6537	76,33023	238,26	2081,65	28156 17523	0,1374	1473	1458	2
U- 232 000 1962 0DS 02/08/65		166,500	0,4187	75,41610	487,95	4237,51	28154 11223	0,1382	1595	1579	2
U- 232 000 1962 0DS 02/08/65		167,500	0,5359	74,51830	349,60	3017,90	28192 14384	0,1390	1594	1578	2
U- 232 000 1962 0DS 02/08/65		168,500	0,8016	73,63643	123,98	1063,86	28312 21606	0,1399	1497	1482	2
U- 232 000 1962 0DS 02/08/65		169,500	0,9149	72,77013	49,87	425,42	28299 24648	0,1407	1564	1548	2
U- 232 000 1962 0DS 02/08/65		170,500	0,9615	71,91902	21,98	186,39	28056 25683	0,1415	1594	1578	2
U- 232 000 1962 0DS 02/08/65		171,500	0,9589	71,08276	23,50	198,09	27908 25478	0,1423	1560	1544	2
U- 232 000 1962 0DS 02/08/65		172,500	0,9536	70,26100	26,62	223,09	28251 25648	0,1432	1622	1605	2
U- 232 000 1962 0DS 02/08/65		173,500	0,9722	69,45341	15,82	131,80	27526 25476	0,1440	1475	1460	2
U- 232 000 1962 0DS 02/08/65		174,500	0,9719	68,65967	16,00	132,55	27775 25698	0,1448	1405	1391	2
U- 232 000 1962 0DS 02/08/65		175,500	0,9632	67,87945	21,00	173,04	28097 25765	0,1457	1402	1388	2
U- 232 000 1962 0DS 02/08/65		176,500	0,9632	67,11246	21,02	172,20	28406 26047	0,1465	1391	1377	2
U- 232 000 1962 0DS 02/08/65		177,500	0,9727	66,35839	15,50	126,24	28046 25971	0,1473	1360	1347	2
U- 232 000 1962 0DS 02/08/65		178,500	0,9847	65,61696	8,62	69,83	27821 26081	0,1482	1317	1304	2
U- 232 000 1962 0DS 02/08/65		179,500	0,9690	64,88789	17,67	142,33	27941 25774	0,1490	1264	1252	2
U- 232 000 1962 0DS 02/08/65		180,500	0,9560	64,17090	25,21	201,91	27950 25438	0,1498	1332	1318	2
U- 232 000 1962 0DS 02/08/65		181,500	0,9615	63,46573	21,98	175,14	27734 25386	0,1506	1250	1238	2
U- 232 000 1962 0DS 02/08/65		182,500	0,9901	62,77212	5,58	44,21	27516 25935	0,1515	1242	1230	2
U- 232 000 1962 0DS 02/08/65		183,500	0,9769	62,08982	13,09	103,11	27616 25683	0,1523	1225	1213	2
U- 232 000 1962 0DS 02/08/65		184,500	0,9715	61,41859	16,22	127,09	27806 25715	0,1531	1220	1207	2
U- 232 000 1962 0DS 02/08/65		185,500	0,9556	60,75817	25,47	198,51	27611 25116	0,1540	1189	1177	2
U- 232 000 1962 0DS 02/08/65		186,500	0,9199	60,10836	46,82	363,02	27528 24105	0,1548	1242	1229	2
U- 232 000 1962 0DS 02/08/65		187,500	0,9335	59,46891	38,60	297,67	27369 24320	0,1556	1206	1194	2
U- 232 000 1962 0DS 02/08/65		188,500	0,9584	58,83962	23,80	182,57	27718 25289	0,1565	1130	1119	2
U- 232 000 1962 0DS 02/08/65		189,500	0,9786	58,22026	12,10	92,36	26974 25129	0,1573	1214	1202	2
U- 232 000 1962 0DS 02/08/65		190,500	0,9619	57,61063	21,77	165,25	27613 25284	0,1581	1173	1161	2
U- 232 000 1962 0DS 02/08/65		191,500	0,9843	57,01052	8,86	66,86	26809 25120	0,1589	1196	1184	2
U- 232 000 1962 0DS 02/08/65		192,500	0,9507	56,41974	28,33	212,80	27956 25300	0,1598	1161	1150	2
U- 232 000 1962 0DS 02/08/65		193,500	0,9628	55,83810	21,24	158,69	27538 25239	0,1606	1140	1129	2
U- 232 000 1962 0DS 02/08/65		194,500									

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.	
U- 232 000 1962 ODS 02/08/65	212,500	0,9609	46,29933	22,36	152,15	26306	24059	0,1764	892	883	2
U- 232 000 1962 ODS 02/08/65	213,500	0,9685	45,86663	17,94	121,47	25813	23795	0,1772	783	775	2
U- 232 000 1962 ODS 02/08/65	214,500	0,9782	45,43996	12,36	83,33	25181	23444	0,1780	867	858	2
U- 232 000 1962 ODS 02/08/65	215,500	0,9486	45,01922	29,55	198,26	25285	22830	0,1789	888	879	2
U- 232 000 1962 ODS 02/08/65	216,500	0,9337	44,60430	38,44	256,74	25517	22677	0,1797	847	839	2
U- 232 000 1962 ODS 02/08/65	217,500	0,8357	44,19509	100,59	668,72	26011	20689	0,1805	795	787	2
U- 232 000 1962 ODS 02/08/65	218,500	0,5802	43,79148	305,15	2019,35	26156	14443	0,1814	793	785	2
U- 232 000 1962 ODS 02/08/65	219,500	0,4292	43,39338	474,04	3122,66	25887	10575	0,1822	858	850	2
U- 232 000 1962 ODS 02/08/65	220,500	0,6944	43,00068	204,45	1340,69	25922	17131	0,1830	826	818	2
U- 232 000 1962 ODS 02/08/65	221,500	0,8877	42,61329	66,78	435,94	25842	21833	0,1838	790	782	2
U- 232 000 1962 ODS 02/08/65	222,500	0,9415	42,23111	33,78	219,54	26139	23423	0,1847	788	781	2
U- 232 000 1962 ODS 02/08/65	223,500	0,9497	41,85405	28,95	187,32	26054	23548	0,1855	801	793	2
U- 232 000 1962 ODS 02/08/65	224,500	0,9623	41,48202	21,51	138,55	26398	24178	0,1863	776	768	2
U- 232 000 1962 ODS 02/08/65	225,500	0,9872	41,11492	7,23	46,37	25727	24178	0,1872	762	755	2
U- 232 000 1962 ODS 02/08/65	226,500	0,9722	40,75268	15,79	100,80	25976	24035	0,1880	767	759	2
U- 232 000 1962 ODS 02/08/65	227,500	0,9868	40,39520	7,46	47,44	25535	23981	0,1888	688	681	2
U- 232 000 1962 ODS 02/08/65	228,500	0,9919	40,04240	4,56	28,86	25355	23935	0,1897	727	720	2
U- 232 000 1962 ODS 02/08/65	229,500	0,9792	39,69421	11,78	74,19	24284	22631	0,1905	718	710	2
U- 232 000 1962 ODS 02/08/65	230,500	0,9767	39,35054	13,22	82,90	24561	22830	0,1913	711	704	2
U- 232 000 1962 ODS 02/08/65	231,500	0,9543	39,01131	26,21	163,70	25598	23249	0,1921	681	675	2
U- 232 000 1962 ODS 02/08/65	232,500	0,9861	38,67645	7,86	48,89	25556	23982	0,1930	711	704	2
U- 232 000 1962 ODS 02/08/65	233,500	0,9671	38,34589	18,72	115,95	25456	23430	0,1938	691	684	2
U- 232 000 1962 ODS 02/08/65	234,500	0,9640	38,01954	20,56	126,75	25507	23400	0,1946	674	667	2
U- 232 000 1962 ODS 02/08/65	235,500	0,9737	37,69734	14,93	91,65	25300	23445	0,1955	696	689	2
U- 232 000 1962 ODS 02/08/65	236,500	0,9752	37,37922	14,10	86,20	25548	23709	0,1963	663	656	2
U- 232 000 1962 ODS 02/08/65	237,500	0,9737	37,06511	14,96	91,08	25047	23209	0,1971	663	656	2
U- 232 000 1962 ODS 02/08/65	238,500	0,9708	36,75495	16,62	100,77	25031	23125	0,1980	653	647	2
U- 232 000 1962 ODS 02/08/65	239,500	0,9721	36,44866	15,88	95,86	24815	22955	0,1988	685	678	2
U- 232 000 1962 ODS 02/08/65	240,500	0,9721	36,14618	15,84	95,26	25009	23136	0,1996	675	668	2
U- 232 000 1962 ODS 02/08/65	241,500	0,9648	35,84745	20,09	120,29	24873	22837	0,2004	624	618	2
U- 232 000 1962 ODS 02/08/65	242,500	0,9745	35,55241	14,50	86,45	24765	22965	0,2013	614	608	2
U- 232 000 1962 ODS 02/08/65	243,500	0,9666	35,26100	19,03	113,00	24518	22553	0,2021	594	588	2
U- 232 000 1962 ODS 02/08/65	244,500	0,9189	34,97316	47,40	280,30	25056	21910	0,2029	596	590	2
U- 232 000 1962 ODS 02/08/65	245,500	0,7999	34,68882	125,17	737,22	24730	18824	0,2038	619	613	2
U- 232 000 1962 ODS 02/08/65	246,500	0,7468	34,40794	163,65	959,97	24917	17707	0,2046	589	583	2
U- 232 000 1962 ODS 02/08/65	247,500	0,8667	34,13046	80,16	468,32	24715	20385	0,2054	568	562	2
U- 232 000 1962 ODS 02/08/65	248,500	0,9459	33,85632	31,20	181,55	24915	22425	0,2063	618	611	2
U- 232 000 1962 ODS 02/08/65	249,500	0,9643	33,58547	20,36	117,98	24698	22664	0,2071	557	552	2
U- 232 000 1962 ODS 02/08/65	251,000	0,9656	33,18525	19,64	113,15	49375	45367	0,2083	1195	1183	4
U- 232 000 1962 ODS 02/08/65	252,500	0,9646	32,79214	20,20	115,65	24733	22703	0,2096	584	578	2
U- 232 000 1962 ODS 02/08/65	254,000	0,9784	32,40598	12,24	69,69	49035	45653	0,2108	1190	1178	4
U- 232 000 1962 ODS 02/08/65	256,000	0,9712	31,90161	16,37	92,44	49392	45647	0,2125	1153	1141	4
U- 232 000 1962 ODS 02/08/65	258,500	0,9638	31,28754	20,69	115,73	47481	46305	0,2146	1784	1767	6
U- 232 000 1962 ODS 02/08/65	261,000	0,9690	30,69104	17,66	97,86	47653	43937	0,2166	1113	1102	4
U- 232 000 1962 ODS 02/08/65	263,000	0,9658	30,22603	19,51	107,27	47607	43750	0,2183	1169	1157	4
U- 232 000 1962 ODS 02/08/65	265,000	0,9623	29,77151	21,56	117,64	48332	44253	0,2199	1152	1141	4
U- 232 000 1962 ODS 02/08/65	267,000	0,9505	29,32716	28,46	154,12	47812	43241	0,2216	1029	1019	4
U- 232 000 1962 ODS 02/08/65	269,500	0,9399	28,78558	34,72	186,30	71130	63614	0,2237	1677	1661	6
U- 232 000 1962 ODS 02/08/65	271,500	0,8642	28,36305	81,83	435,79	23431	19266	0,2253	502	497	2
U- 232 000 1962 ODS 02/08/65	272,500	0,7128	28,15526	189,75	1006,84	23865	16186	0,2262	558	552	2
U- 232 000 1962 ODS 02/08/65	273,500	0,4351	27,94975	466,48	2466,18	23675	9800	0,2270	503	498	2
U- 232 000 1962 ODS 02/08/65	274,500	0,3959	27,74648	519,37	2735,79	23542	8867	0,2278	524	519	2
U- 232 000 1962 ODS 02/08/65	275,500	0,6316	27,54542	257,58	1351,85	23280	13989	0,2287	496	491	2
U- 232 000 1962 ODS 02/08/65	276,500	0,8381	27,34653	98,96	517,52	23360	18629	0,2295	497	492	2
U- 232 000 1962 ODS 02/08/65	277,500	0,8933	27,14980	63,27	329,65	23300	19803	0,2303	550	544	2
U- 232 000 1962 ODS 02/08/65	278,500	0,9386	26,95517	35,53	184,46	23420	20915	0,2312	484	479	2
U- 232 000 1962 ODS 02/08/65	280,000	0,9460	26,66714	31,14	160,82	46704	42034	0,2324	923	914	4
U- 232 000 1962 ODS 02/08/65	282,000	0,9602	26,29023	22,78	115,79	46336	42330	0,2341	1000	990	4
U- 232 000 1962 ODS 02/08/65	284,000	0,9397	25,92125	34,87	177,54	46662	41717	0,2357	968	958	4
U- 232 000 1962 ODS 02/08/65	286,000	0,9475	25,55998	30,23	152,85	46076	41535	0,2374	982	972	4
U- 232 000 1962 ODS 02/08/65	288,500	0,9306	25,11892	40,30	201,99	69850	61844	0,2395	1398	1384	6
U- 232 000 1962 ODS 02/08/65	290,500	0,9070	24,77424	54,72	272,39	22993	19840	0,2411	472	467	2
U- 232 000 1962 ODS 02/08/65	291,500	0,8735	24,60455	75,77	375,86	22856	18995	0,2419	465	460	2
U- 232 000 1962 ODS 02/08/65	292,500	0,7972	24,43660	127,01	627,85	22973	17425	0,2428	473	468	2
U- 232 000 1962 ODS 02/08/65	293,500	0,6333	24,27037	256,03	1261,33	22124	13330	0,2436	414	410	2
U- 232 000 1962 ODS 02/08/65	294,500	0,3467	24,10582	593,74	2915,14	22237	7334	0,2444	437	433	2
U- 232 000 1962 ODS 02/08/65	295,500	0,1449	23,94295	1082,60	5297,33	22742	3135	0,2453	414	410	2
U- 232 000 1962 ODS 02/08/65	296,500	0,2196	23,78171	849,76	4143,97	22571	4715	0,2461	451	446	2
U- 232 000 1962 ODS 02/08/65	297,500	0,4945	23,62211	394,77	1918,66	22769	10710	0,2469	409	405	2
U- 232 000 1962 ODS 02/08/65	298,500	0,7426	23,46410	166,81	808,01	22489	15888	0,2478	455	450	2
U- 232 000 1962 ODS 02/08/65	299,500	0,8426	23,30767	96,00	463,47	22357	17921	0,2486	433	429	2
U- 232 000 1962 ODS 02/08/65	300,500	0,9002	23,15280	58,95	283,63	22908	19275	0,2494	443	439	2
U- 232 000 1962 ODS 02/08/65	301,500	0,9264	22,99947	42,85	205,48	22127	19501	0,2502	422	418	2
U- 232 000 1962 ODS 02/08/65	303,500	0,9379	22,69735	35,96	171,31	67721	60421	0,2519	1233	1221	6
U- 232 000 1962 ODS 02/08/65	306,000	0,9418	22,32799	33,60	158,77	44596	39957	0,2540	784	776	4
U- 232 000 1962 ODS 02/08/65	308,500	0,9158	21,96758	49,29	231,01	66160	57640	0,2561	1191	1179	6
U- 232 000 1962 ODS 02/08/65	310,500	0,8447	21,68549	94,61	440,57	21931	17622	0,2577	416	412	2
U- 232 000 1962 ODS 02/08/65	311,500	0,7666	21,54649	148,96	691,44	21768	15875	0,2585	372	368	2
U- 232 000 1962 ODS 02/08/65	312,500	0,6823	21,40881	214,30	991,56	21801	14149	0,2594	367	363	2
U- 232 000 1962 ODS 02/08/65	313,500	0,5623	21,27245	322,64	1488,10	21415	11455	0,2602	350	347	2
U- 232 000 1962 ODS 02/08/65	314,500	0,5125	21,13738	374,67	1722,54	21491	10477	0,2610	393	389	2
U- 232 000 1962 ODS 02/08/65	315,500	0,5312	21,00360	354,57	1624,99	21751	10991	0,2619	381	377	2
U- 232 000 1962 ODS 02/08/65	316,500	0,6217	20,87109	266,39	1217,02	21953	12983	0,2627	353	350	2
U- 232 000 1962 ODS 02/08/65	317,500	0,7124	20,73983	190,10	865,72	2					

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN	SAMPLE OF OCT	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
U- 232 000 1962 ODS 02/08/65		355,000	0,9471	16,58960	30,47	124,09	80259	72293	0,2946	969	959	8
U- 232 000 1962 ODS 02/08/65		358,500	0,9352	16,26725	37,53	151,38	59255	52704	0,2976	746	739	6
U- 232 000 1962 ODS 02/08/65		361,500	0,9327	15,99838	39,03	156,11	59260	52567	0,3000	719	712	6
U- 232 000 1962 ODS 02/08/65		365,000	0,9171	15,69303	48,48	192,04	78585	68544	0,3029	903	894	8
U- 232 000 1962 ODS 02/08/65		368,500	0,9204	15,39634	46,50	182,46	58573	51268	0,3059	698	691	6
U- 232 000 1962 ODS 02/08/65		372,000	0,9077	15,10799	54,25	210,86	77500	66902	0,3088	875	866	8
U- 232 000 1962 ODS 02/08/65		376,000	0,9016	14,78825	58,03	223,16	75906	65084	0,3121	874	865	8
U- 232 000 1962 ODS 02/08/65		380,000	0,8802	14,47856	71,55	272,26	75755	63405	0,3154	810	801	8
U- 232 000 1962 ODS 02/08/65		384,000	0,8419	14,17849	96,44	363,15	76210	61014	0,3187	834	826	8
U- 232 000 1962 ODS 02/08/65		386,500	0,8210	13,99567	110,54	413,53	18443	14399	0,3208	237	234	2
U- 232 000 1962 ODS 02/08/65		387,500	0,7980	13,92352	126,48	471,95	18494	14033	0,3216	208	206	2
U- 232 000 1962 ODS 02/08/65		388,500	0,7802	13,85194	139,09	517,66	18476	13708	0,3225	183	181	2
U- 232 000 1962 ODS 02/08/65		389,500	0,7597	13,78090	154,05	571,86	18048	13038	0,3233	184	182	2
U- 232 000 1962 ODS 02/08/65		390,500	0,7272	13,71041	178,54	661,08	18457	12763	0,3241	185	183	2
U- 232 000 1962 ODS 02/08/65		391,500	0,7211	13,64046	183,31	679,00	18258	12518	0,3249	201	199	2
U- 232 000 1962 ODS 02/08/65		392,500	0,6810	13,57104	215,33	793,25	18310	11857	0,3258	212	209	2
U- 232 000 1962 ODS 02/08/65		393,500	0,6581	13,50215	234,53	861,77	18196	11386	0,3266	161	159	2
U- 232 000 1962 ODS 02/08/65		394,500	0,6020	13,43379	284,44	1042,54	18191	10413	0,3274	185	183	2
U- 232 000 1962 ODS 02/08/65		395,500	0,5452	13,36594	339,98	1242,95	17853	9255	0,3283	212	210	2
U- 232 000 1962 ODS 02/08/65		396,500	0,4728	13,29861	419,88	1531,19	18427	8284	0,3291	203	201	2
U- 232 000 1962 ODS 02/08/65		397,500	0,4028	13,23178	509,63	1853,80	18284	7003	0,3299	194	192	2
U- 232 000 1962 ODS 02/08/65		398,500	0,3195	13,16546	639,61	2320,77	18178	5521	0,3308	161	159	2
U- 232 000 1962 ODS 02/08/65		399,500	0,2122	13,09963	868,91	3144,86	18165	3665	0,3316	197	195	2
U- 232 000 1962 ODS 02/08/65		400,500	0,1345	13,03429	1124,50	4059,78	18307	2341	0,3324	195	193	2
U- 232 000 1962 ODS 02/08/65		401,500	0,0705	12,96945	1486,52	5353,43	17968	1204	0,3332	207	205	2
U- 232 000 1962 ODS 02/08/65		402,500	0,0407	12,90508	1794,63	6446,97	18032	697	0,3341	192	190	2
U- 232 000 1962 ODS 02/08/65		403,500	0,0225	12,84120	2126,02	7618,53	17878	382	0,3349	196	194	2
U- 232 000 1962 ODS 02/08/65		404,500	0,0131	12,77778	2428,96	8682,58	18020	224	0,3357	215	213	2
U- 232 000 1962 ODS 02/08/65		405,500	0,0114	12,71484	2909,05	8946,75	17839	192	0,3366	171	169	2
U- 232 000 1962 ODS 02/08/65		406,500	0,0153	12,65236	3342,99	8334,04	17715	257	0,3374	191	189	2
U- 232 000 1962 ODS 02/08/65		407,500	0,0273	12,59034	2017,56	7158,88	17635	458	0,3382	206	204	2
U- 232 000 1962 ODS 02/08/65		408,500	0,0737	12,52877	1461,98	5174,83	17542	1228	0,3391	188	186	2
U- 232 000 1962 ODS 02/08/65		409,500	0,1467	12,46765	1075,78	3798,54	17500	2452	0,3399	190	149	2
U- 232 000 1962 ODS 02/08/65		410,500	0,2489	12,40698	779,43	2745,42	17663	4180	0,3407	167	166	2
U- 232 000 1962 ODS 02/08/65		411,500	0,3615	12,34676	570,29	2003,89	17415	5985	0,3415	177	175	2
U- 232 000 1962 ODS 02/08/65		412,500	0,4478	12,28697	450,33	1578,55	17563	7477	0,3424	201	199	2
U- 232 000 1962 ODS 02/08/65		413,500	0,5342	12,22761	351,41	1228,82	17331	8802	0,3432	164	162	2
U- 232 000 1962 ODS 02/08/65		414,500	0,5955	12,16868	290,51	1013,42	17454	9883	0,3440	168	167	2
U- 232 000 1962 ODS 02/08/65		415,500	0,6622	12,11018	231,01	803,91	17393	10951	0,3449	153	151	2
U- 232 000 1962 ODS 02/08/65		416,500	0,6815	12,05209	214,91	746,08	17913	11607	0,3457	196	194	2
U- 232 000 1962 ODS 02/08/65		417,500	0,7496	11,99443	161,51	559,35	17488	12464	0,3465	165	163	2
U- 232 000 1962 ODS 02/08/65		418,500	0,7673	11,93718	148,46	512,94	17436	12720	0,3474	194	192	2
U- 232 000 1962 ODS 02/08/65		419,500	0,7948	11,88033	128,71	443,64	17252	13036	0,3482	191	189	2
U- 232 000 1962 ODS 02/08/65		420,500	0,8126	11,82389	116,33	400,02	17303	13367	0,3490	213	211	2
U- 232 000 1962 ODS 02/08/65		421,500	0,8336	11,76786	102,00	349,90	17128	13575	0,3498	177	175	2
U- 232 000 1962 ODS 02/08/65		422,500	0,8584	11,71222	85,56	292,80	16999	13873	0,3507	170	168	2
U- 232 000 1962 ODS 02/08/65		423,500	0,8928	11,65748	63,58	216,32	16719	15478	0,3527	737	730	8
U- 232 000 1962 ODS 02/08/65		424,500	0,9107	11,60652	52,42	176,89	16471	16399	0,3557	485	480	6
U- 232 000 1962 ODS 02/08/65		425,500	0,9268	11,55726	42,58	142,52	16297	16927	0,3586	759	751	8
U- 232 000 1962 ODS 02/08/65		426,500	0,9509	11,50915	28,19	93,49	16776	17464	0,3619	682	675	8
U- 232 000 1962 ODS 02/08/65		440,000	0,9347	10,79909	37,87	124,46	16843	18503	0,3652	639	632	8
U- 232 000 1962 ODS 02/08/65		444,500	0,9484	10,58154	29,67	96,50	16306	17405	0,3689	834	826	10
U- 232 000 1962 ODS 02/08/65		449,000	0,9580	10,37050	24,06	77,49	16254	16692	0,3727	716	709	8
U- 232 000 1962 ODS 02/08/65		453,000	0,9652	10,18817	19,84	63,34	16331	15790	0,3760	701	694	8
U- 232 000 1962 ODS 02/08/65		457,500	0,9642	9,98873	20,45	64,64	17503	17107	0,3797	891	882	10
U- 232 000 1962 ODS 02/08/65		462,500	0,9737	9,77393	14,97	46,79	17681	17084	0,3839	890	881	10
U- 232 000 1962 ODS 02/08/65		467,000	0,9730	9,58647	15,34	47,50	16956	16465	0,3876	662	655	8
U- 232 000 1962 ODS 02/08/65		472,000	0,9701	9,38444	17,03	52,18	18756	18882	0,3918	935	926	12
U- 232 000 1962 ODS 02/08/65		477,500	0,9705	9,16950	16,81	50,91	17349	16828	0,3963	819	811	10
U- 232 000 1962 ODS 02/08/65		482,500	0,9652	8,98045	19,88	59,58	17348	16791	0,4005	906	897	10
U- 232 000 1962 ODS 02/08/65		488,000	0,9766	8,77916	13,28	39,34	18567	17968	0,4050	1027	1016	12
U- 232 000 1962 ODS 02/08/65		493,500	0,9731	8,58456	15,26	44,71	17052	16362	0,4096	812	804	10
U- 232 000 1962 ODS 02/08/65		499,000	0,9750	8,39637	14,21	41,19	183457	17500	0,4142	1003	993	12
U- 232 000 1962 ODS 02/08/65		502,500	0,9820	8,27981	10,20	29,36	13557	12680	0,4171	177	175	2
U- 232 000 1962 ODS 02/08/65		503,500	0,9643	8,24695	20,38	58,52	13693	12578	0,4179	171	169	2
U- 232 000 1962 ODS 02/08/65		504,500	0,9695	8,21429	17,38	49,80	13940	12873	0,4187	130	129	2
U- 232 000 1962 ODS 02/08/65		505,500	0,9761	8,18183	13,57	38,81	13541	12590	0,4196	170	168	2
U- 232 000 1962 ODS 02/08/65		506,500	0,9783	8,14955	12,29	35,08	13456	12539	0,4204	119	118	2
U- 232 000 1962 ODS 02/08/65		507,500	0,9794	8,11747	11,64	33,16	13484	12580	0,4212	195	193	2
U- 232 000 1962 ODS 02/08/65		508,500	0,9620	8,08557	21,73	61,79	13832	12674	0,4221	143	142	2
U- 232 000 1962 ODS 02/08/65		509,500	0,9581	8,05386	23,99	68,09	13630	12439	0,4229	183	181	2
U- 232 000 1962 ODS 02/08/65		510,500	0,9418	8,02234	33,64	95,27	14116	12663	0,4237	165	163	2
U- 232 000 1962 ODS 02/08/65		511,500	0,9751	7,99100	14,15	40,00	13208	12267	0,4245	180	178	2
U- 232 000 1962 ODS 02/08/65		512,500	0,9649	7,95985	20,01	56,45	13930	12803	0,4254	161	160	2
U- 232 000 1962 ODS 02/08/65		513,500	0,9387	7,92888	35,45	99,82	13958	12480	0,4262	184	183	2
U- 232 000 1962 ODS 02/08/65		514,500	0,9511	7,89808	28,08	78,92	13556	12280	0,4270	172	171	2
U- 232 000 1962 ODS 02/08/65		515,500	0,9658	7,86747	19,53	54,77	13422	12346	0,4279	124	123	2
U- 232 000 1962 ODS 02/08/65		516,500	0,9814	7,83704	10,52	29,44	12990	12142	0,4287	129	128	2
U- 232 000 1962 ODS 02/08/65		517,500	0,9611	7,80678	22,24	62,14	12786	11704	0,4295	182	180	2
U- 232 000 1962 ODS 02/08/65		518,500	0,9582	7,77669	23,94	66,75	13038	11898	0,4304	152	150	2
U- 232 000 1962 ODS 02/08/65		519,500	0,9675	7,74678	18,51	51,51	12885	11873	0,4312	159	157	2
U- 232 000 1962 ODS 02/08/65		520,500	0,9706	7,71705	16,70	46,40</						

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE,
U- 232 000 1962 ODS 02/08/65		539,500	0,9576	7,18306	24,26	65,01	12325 11232	0,4478	149	148	2
U- 232 000 1962 ODS 02/08/65		540,500	0,9782	7,15651	12,35	33,05	12422 11560	0,4486	160	159	2
U- 232 000 1962 ODS 02/08/65		541,500	0,9413	7,13010	33,90	90,52	12229 10949	0,4494	158	156	2
U- 232 000 1962 ODS 02/08/65		542,500	0,9480	7,10384	29,94	79,80	12340 11123	0,4503	195	193	2
U- 232 000 1962 ODS 02/08/65		545,000	0,9513	7,03881	27,98	74,23	49210 44474	0,4523	660	653	8
U- 232 000 1962 ODS 02/08/65		549,000	0,9469	6,93662	30,58	80,54	48028 43112	0,4557	588	583	8
U- 232 000 1962 ODS 02/08/65		553,000	0,9422	6,83663	33,40	87,33	47409 42193	0,4590	643	636	8
U- 232 000 1962 ODS 02/08/65		557,000	0,9369	6,73879	36,52	94,80	46655 41293	0,4623	616	610	8
U- 232 000 1962 ODS 02/08/65		561,000	0,9168	6,64304	48,67	125,44	46486 40352	0,4656	639	633	8
U- 232 000 1962 ODS 02/08/65		565,500	0,9204	6,53774	46,52	118,94	56688 49489	0,4694	791	783	10
U- 232 000 1962 ODS 02/08/65		570,000	0,8887	6,43492	66,16	167,82	44563 37614	0,4731	656	649	8
U- 232 000 1962 ODS 02/08/65		572,500	0,8450	6,37884	94,42	238,47	11074 8893	0,4752	141	140	2
U- 232 000 1962 ODS 02/08/65		573,500	0,8314	6,35661	103,51	260,98	11151 8812	0,4760	152	150	2
U- 232 000 1962 ODS 02/08/65		574,500	0,8146	6,33450	114,93	289,25	11076 8578	0,4768	174	172	2
U- 232 000 1962 ODS 02/08/65		575,500	0,8103	6,31251	117,90	296,23	11029 8497	0,4777	161	160	2
U- 232 000 1962 ODS 02/08/65		576,500	0,7826	6,29063	137,37	344,54	11265 8385	0,4785	145	143	2
U- 232 000 1962 ODS 02/08/65		577,500	0,7348	6,26886	172,70	432,39	11265 7874	0,4793	174	172	2
U- 232 000 1962 ODS 02/08/65		578,500	0,7043	6,24721	196,48	491,08	11079 7423	0,4802	146	144	2
U- 232 000 1962 ODS 02/08/65		579,500	0,6660	6,22566	227,83	568,48	10900 6907	0,4810	160	159	2
U- 232 000 1962 ODS 02/08/65		580,500	0,6318	6,20423	257,35	641,02	10722 6446	0,4818	174	172	2
U- 232 000 1962 ODS 02/08/65		581,500	0,5271	6,18291	358,92	892,47	10683 5358	0,4826	159	157	2
U- 232 000 1962 ODS 02/08/65		582,500	0,4538	6,16170	442,83	1099,22	10687 4615	0,4835	108	107	2
U- 232 000 1962 ODS 02/08/65		583,500	0,3345	6,14060	613,84	1521,11	10810 3440	0,4843	165	163	2
U- 232 000 1962 ODS 02/08/65		584,500	0,2388	6,11961	802,75	1985,82	10733 2438	0,4851	140	138	2
U- 232 000 1962 ODS 02/08/65		585,500	0,1315	6,09872	1137,31	2808,64	10776 1347	0,4860	159	157	2
U- 232 000 1962 ODS 02/08/65		586,500	0,0711	6,07794	1482,14	3653,98	10715 724	0,4868	154	153	2
U- 232 000 1962 ODS 02/08/65		587,500	0,0435	6,05727	1757,55	4325,60	10457 432	0,4876	153	152	2
U- 232 000 1962 ODS 02/08/65		588,500	0,0248	6,03670	2073,11	5093,58	10614 249	0,4885	175	173	2
U- 232 000 1962 ODS 02/08/65		589,500	0,0288	6,01624	1989,13	4878,94	10504 287	0,4893	141	140	2
U- 232 000 1962 ODS 02/08/65		590,500	0,0197	5,99588	2200,18	5387,47	10656 200	0,4901	155	154	2
U- 232 000 1962 ODS 02/08/65		591,500	0,0099	5,97562	2585,96	6321,41	10366 97	0,4909	176	174	2
U- 232 000 1962 ODS 02/08/65		592,500	0,0136	5,95547	2407,66	5875,61	10551 136	0,4918	145	143	2
U- 232 000 1962 ODS 02/08/65		593,500	0,0127	5,93542	2445,23	5957,25	10658 129	0,4926	148	147	2
U- 232 000 1962 ODS 02/08/65		594,500	0,0191	5,91546	2219,74	5398,80	10391 188	0,4934	172	171	2
U- 232 000 1962 ODS 02/08/65		595,500	0,0495	5,89561	1684,85	4090,96	10160 478	0,4943	154	153	2
U- 232 000 1962 ODS 02/08/65		596,500	0,1279	5,87586	1152,65	2794,03	10290 1252	0,4951	139	137	2
U- 232 000 1962 ODS 02/08/65		597,500	0,2157	5,85621	859,66	2080,34	10265 2106	0,4959	163	161	2
U- 232 000 1962 ODS 02/08/65		598,500	0,3356	5,83666	611,98	1478,49	10164 3245	0,4968	146	144	2
U- 232 000 1962 ODS 02/08/65		599,500	0,4324	5,81720	469,89	1133,32	10141 4172	0,4976	152	150	2
U- 232 000 1962 ODS 02/08/65		600,500	0,5067	5,79784	381,10	917,63	10297 4964	0,4984	175	173	2
U- 232 000 1962 ODS 02/08/65		601,500	0,5793	5,77858	305,95	735,47	10175 5609	0,4992	163	161	2
U- 232 000 1962 ODS 02/08/65		602,500	0,6323	5,75942	256,88	616,49	10168 6119	0,5001	164	162	2
U- 232 000 1962 ODS 02/08/65		603,500	0,6675	5,74035	226,57	542,85	10112 6423	0,5009	157	155	2
U- 232 000 1962 ODS 02/08/65		604,500	0,7226	5,72137	182,13	435,65	10116 6956	0,5017	164	162	2
U- 232 000 1962 ODS 02/08/65		605,500	0,7465	5,70249	163,89	391,37	9992 7099	0,5026	118	117	2
U- 232 000 1962 ODS 02/08/65		606,500	0,7755	5,68370	142,52	339,77	10051 7419	0,5034	149	148	2
U- 232 000 1962 ODS 02/08/65		607,500	0,7911	5,66500	131,31	312,54	10022 7547	0,5042	152	150	2
U- 232 000 1962 ODS 02/08/65		608,500	0,8026	5,64640	123,26	292,89	10226 7812	0,5051	199	197	2
U- 232 000 1962 ODS 02/08/65		609,500	0,8359	5,62788	100,45	238,30	10034 7984	0,5059	180	178	2
U- 232 000 1962 ODS 02/08/65		610,500	0,8439	5,60946	95,14	225,33	10057 8079	0,5067	146	144	2
U- 232 000 1962 ODS 02/08/65		613,500	0,8688	5,55474	78,83	185,80	49190 40686	0,5092	782	774	10
U- 232 000 1962 ODS 02/08/65		619,000	0,9176	5,45646	48,22	112,63	57324 50077	0,5138	1008	998	12
U- 232 000 1962 ODS 02/08/65		625,000	0,9339	5,35220	38,32	88,65	56506 50236	0,5187	1055	1044	12
U- 232 000 1962 ODS 02/08/65		631,000	0,9469	5,25090	30,58	70,06	54741 49338	0,5237	909	900	12
U- 232 000 1962 ODS 02/08/65		637,000	0,9559	5,15245	25,29	57,40	53776 48925	0,5287	973	963	12
U- 232 000 1962 ODS 02/08/65		646,500	0,9625	5,00214	21,41	47,89	113169 103661	0,5366	2049	2028	28
U- 232 000 1962 ODS 02/08/65		660,000	0,9650	4,79960	20,00	43,81	116406 106877	0,5478	2236	2214	28
U- 232 000 1962 ODS 02/08/65		674,000	0,9691	4,60228	17,57	37,68	110860 102231	0,5594	2478	2453	28
U- 232 000 1962 ODS 02/08/65		689,000	0,9629	4,40407	21,21	44,52	115266 105633	0,5719	2794	2766	32
U- 232 000 1962 ODS 02/08/65		705,500	0,9649	4,20048	20,04	41,07	111627 102542	0,5856	3082	3052	34
U- 232 000 1962 ODS 02/08/65		723,000	0,9681	3,99959	18,18	36,35	117998 108766	0,6001	3354	3320	36
U- 232 000 1962 ODS 02/08/65		741,500	0,9688	3,80251	17,77	34,65	116435 107318	0,6124	3635	3599	38
U- 232 000 1962 ODS 02/08/65		761,500	0,9674	3,60539	18,59	35,29	118886 109261	0,6320	4182	4140	42
U- 232 000 1962 ODS 02/08/65		783,500	0,9697	3,40576	17,23	31,80	116688 107602	0,6503	4569	4523	46
U- 232 000 1962 ODS 02/08/65		808,000	0,9734	3,20236	15,14	27,09	113107 104789	0,6706	5317	5264	52
U- 232 000 1962 ODS 02/08/65		834,500	0,9677	3,00220	18,43	31,93	95131 87644	0,6926	5931	5872	54
U- 232 000 1962 ODS 02/08/65		863,500	0,9692	2,80393	17,54	29,37	81929 75605	0,7167	8226	8144	62
U- 232 000 1962 ODS 02/08/65		896,500	0,9687	2,60131	17,85	28,79	61710 56909	0,7441	12713	12586	70

RUN 1963

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. CF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.	
U- 232 000 1963 ODS 02/08/65		15,050	0,9868	9202,70911	29,47	2826,80	21692	20918	0,0122	7776	7776	2
U- 232 000 1963 ODS 02/08/65		16,070	1,0085	8091,67847	-18,79	-1690,16	18477	18209	0,0130	8421	8421	2
U- 232 000 1963 ODS 02/08/65		17,050	1,0051	7170,34296	-11,32	-958,46	19308	18964	0,0138	6079	6079	2
U- 232 000 1963 ODS 02/08/65		18,050	1,0172	6397,85327	-37,87	-3029,33	16458	16395	0,0146	6553	6553	2
U- 232 000 1963 ODS 02/08/65		19,050	0,9912	5743,79236	19,50	1477,94	18353	17776	0,0154	5016	5016	2
U- 232 000 1963 ODS 02/08/65		20,050	0,9982	5185,13342	3,97	285,85	18730	18266	0,0162	4583	4583	2
U- 232 000 1963 ODS 02/08/65		21,050	0,9975	4704,18604	5,49	376,58	20357	19841	0,0171	2401	2401	2
U- 232 000 1963 ODS 02/08/65		22,070	0,9967	4287,17786	7,27	475,82	19417	18910	0,0179	2659	2659	2
U- 232 000 1963 ODS 02/08/65		23,300	0,9950	3839,31932	11,17	691,96	27448	26684	0,0189	4335	4335	3
U- 232 000 1963 ODS 02/08/65		24,550	1,0076	3458,48343	-16,75	-985,27	19968	19556	0,0199	3196	3196	2
U- 232 000 1963 ODS 02/08/65		25,550	0,9819	3195,05856	49,49	2288,23	21571	20694	0,0207	1844	1844	2
U- 232 000 1963 ODS 02/08/65		26,550	0,9730	2957,05661	60,78	3305,26	20865	19834	0,0215	1945	1945	2
U- 232 000 1963 ODS 02/08/65		27,550	0,9643	2746,28424	80,57	4222,49	19066	17964	0,0223	2115	2115	2
U- 232 000 1963 ODS 02/08/65		28,550	1,0139	2557,26929	-30,59	-1546,92	16369	16216	0,0231	2511	2511	2
U- 232 000 1963 ODS 02/08/65		29,550	0,9867	2387,11707	29,64	1447,93	17566	16934	0,0239	1054	1054	2
U- 232 000 1963 ODS 02/08/65		30,550	0,9941	2235,39871	13,10	619,09	17924	17409	0,0247	2105	2105	2
U- 232 000 1963 ODS 02/08/65		31,550	0,9987	2094,06406	2,87	131,36	19959	19476	0,0256	1381	1381	2
U- 232 000 1963 ODS 02/08/65		32,550	0,9838	1967,37303	36,30	1610,10	21424	20592	0,0264	1259	1259	2
U- 232 000 1963 ODS 02/08/65		33,550	0,9901	1851,84079	22,16	953,68	21626	20915	0,0272	1332	1332	2
U- 232 000 1963 ODS 02/08/65		34,550	0,9667	1746,19441	75,12	3139,03	22357	21116	0,0280	1068	1068	2
U- 232 000 1963 ODS 02/08/65		35,550	0,9863	1649,33731	30,68	1245,97	22384	21565	0,0288	762	762	2
U- 232 000 1963 ODS 02/08/65		36,550	0,9760	1560,32094	53,82	2125,80	22297	21262	0,0296	1122	1122	2
U- 232 000 1963 ODS 02/08/65		37,550	0,9921	1478,32123	17,56	675,31	21686	21021	0,0304	1157	1157	2
U- 232 000 1963 ODS 02/08/65		38,550	0,9945	1402,61969	12,23	458,09	21725	21105	0,0312	1301	1301	2
U- 232 000 1963 ODS 02/08/65		39,550	0,9891	1332,58745	24,33	888,03	21874	21139	0,0320	1518	1518	2
U- 232 000 1963 ODS 02/08/65		40,550	0,9823	1267,67223	39,66	1412,06	21722	20847	0,0328	1399	1399	2
U- 232 000 1963 ODS 02/08/65		41,550	0,9931	1207,38739	15,25	529,77	20413	19807	0,0337	1882	1882	2
U- 232 000 1963 ODS 02/08/65		42,550	0,9782	1151,30281	48,84	1657,31	18351	17539	0,0345	2376	2376	2
U- 232 000 1963 ODS 02/08/65		43,550	0,9967	1099,03716	7,40	245,16	18443	17959	0,0353	2206	2206	2
U- 232 000 1963 ODS 02/08/65		44,550	0,9796	1050,25142	45,67	1479,98	19757	18905	0,0361	2467	2467	2
U- 232 000 1963 ODS 02/08/65		45,550	0,9944	1004,64339	12,40	393,00	20623	20037	0,0369	2536	2536	2
U- 232 000 1963 ODS 02/08/65		46,550	0,9967	961,94296	7,35	227,81	20197	19666	0,0377	3029	3029	2
U- 232 000 1963 ODS 02/08/65		47,550	0,9778	921,90814	49,85	1513,70	21221	20272	0,0385	2534	2534	2
U- 232 000 1963 ODS 02/08/65		48,550	0,9792	884,32159	46,71	1389,03	20582	19690	0,0393	2868	2868	2
U- 232 000 1963 ODS 02/08/65		49,550	1,0028	848,98766	-6,10	-177,62	20535	20116	0,0401	2645	2645	2
U- 232 000 1963 ODS 02/08/65		50,550	0,9937	815,72989	14,10	402,73	20174	19585	0,0409	3086	3086	2
U- 232 000 1963 ODS 02/08/65		51,550	0,9907	784,38875	20,78	582,11	20112	19466	0,0418	2978	2978	2
U- 232 000 1963 ODS 02/08/65		52,550	0,9768	754,81975	52,01	1429,05	21002	20043	0,0426	2312	2312	2
U- 232 000 1963 ODS 02/08/65		53,550	0,9892	726,89175	23,97	646,19	20436	19752	0,0434	2657	2657	2
U- 232 000 1963 ODS 02/08/65		54,550	0,9783	700,48556	48,56	1285,32	20701	19787	0,0442	2484	2484	2
U- 232 000 1963 ODS 02/08/65		55,550	0,9913	675,49255	19,41	504,40	20451	19807	0,0450	2255	2255	2
U- 232 000 1963 ODS 02/08/65		56,550	0,9809	651,81368	42,67	1089,30	20452	19606	0,0458	2385	2385	2
U- 232 000 1963 ODS 02/08/65		57,550	0,9707	629,35841	65,92	1653,80	20012	18975	0,0466	2480	2480	2
U- 232 000 1963 ODS 02/08/65		58,550	0,9878	608,04384	27,20	670,66	20805	20076	0,0474	1576	1576	2
U- 232 000 1963 ODS 02/08/65		59,550	0,9896	587,79401	23,13	560,84	19969	19307	0,0482	2162	2162	2
U- 232 000 1963 ODS 02/08/65		60,550	0,9882	568,53918	26,31	627,22	20095	19401	0,0490	1790	1790	2
U- 232 000 1963 ODS 02/08/65		61,550	0,9865	550,21519	30,11	706,28	19903	19182	0,0499	1905	1905	2
U- 232 000 1963 ODS 02/08/65		62,550	0,9852	532,76301	32,97	761,06	19891	19146	0,0507	1572	1572	2
U- 232 000 1963 ODS 02/08/65		63,550	0,9768	516,12819	52,13	1184,36	19772	18866	0,0515	1574	1574	2
U- 232 000 1963 ODS 02/08/65		64,550	0,9916	500,26049	18,64	416,85	19838	19215	0,0523	1229	1229	2
U- 232 000 1963 ODS 02/08/65		65,550	0,9605	485,11344	89,31	1967,17	20247	18995	0,0531	1078	1078	2
U- 232 000 1963 ODS 02/08/65		66,550	0,9870	470,64406	28,99	628,81	19508	18811	0,0539	1000	1000	2
U- 232 000 1963 ODS 02/08/65		67,550	0,9802	456,81251	44,32	947,29	19753	18916	0,0547	739	739	2
U- 232 000 1963 ODS 02/08/65		68,550	0,9699	443,58186	67,76	1427,13	19148	18144	0,0555	840	840	2
U- 232 000 1963 ODS 02/08/65		69,550	0,9731	430,91779	60,47	1255,27	19177	18231	0,0563	811	811	2
U- 232 000 1963 ODS 02/08/65		70,550	1,0009	418,78842	-2,06	-42,18	18024	17625	0,0571	930	930	2
U- 232 000 1963 ODS 02/08/65		71,550	0,9637	407,16405	81,94	1653,49	17783	16743	0,0580	607	607	2
U- 232 000 1963 ODS 02/08/65		72,550	0,9785	396,01703	48,19	959,07	16089	15381	0,0588	692	692	2
U- 232 000 1963 ODS 02/08/65		73,550	0,9872	385,32159	28,58	560,95	16018	15445	0,0596	675	675	2
U- 232 000 1963 ODS 02/08/65		74,550	0,9844	375,05366	34,91	676,15	14924	14352	0,0604	590	590	2
U- 232 000 1963 ODS 02/08/65		75,550	0,9893	365,19074	23,78	454,52	12260	11850	0,0612	591	591	2
U- 232 000 1963 ODS 02/08/65		76,550	1,0045	355,71183	-9,87	-186,19	8388	8231	0,0620	715	715	2
U- 232 000 1963 ODS 02/08/65		77,550	0,9866	346,59723	29,99	558,27	5363	5165	0,0628	548	548	2
U- 232 000 1963 ODS 02/08/65		78,550	0,9952	337,82853	10,66	195,94	5120	4976	0,0636	495	495	2
U- 232 000 1963 ODS 02/08/65		79,550	0,9898	329,38842	22,75	412,90	7752	7497	0,0644	666	666	2
U- 232 000 1963 ODS 02/08/65		80,550	0,9929	321,26070	15,88	284,61	11575	11227	0,0652	549	549	2
U- 232 000 1963 ODS 02/08/65		81,550	0,9687	313,43015	70,40	1246,36	14179	13420	0,0661	568	568	2
U- 232 000 1963 ODS 02/08/65		82,550	0,9859	305,88244	31,39	548,98	16213	15617	0,0669	402	402	2
U- 232 000 1963 ODS 02/08/65		83,550	0,9717	298,60411	63,74	1101,46	17026	16163	0,0677	843	843	2
U- 232 000 1963 ODS 02/08/65		84,550	0,9928	291,58251	16,10	274,99	17377	16853	0,0685	684	684	2
U- 232 000 1963 ODS 02/08/65		85,550	0,9957	284,80569	9,57	161,54	18306	17808	0,0693	378	378	2
U- 232 000 1963 ODS 02/08/65		86,550	0,9883	278,26242	26,20	437,11	18418	17862	0,0701	723	723	2
U- 232 000 1963 ODS 02/08/65		87,550	0,9980	271,94207	4,36	71,93	18740	18276	0,0709	613	613	2
U- 232 000 1963 ODS 02/08/65		88,550	0,9650	265,83463	78,94	1287,10	18907	17825	0,0717	801	801	2
U- 232 000 1963 ODS 02/08/65		89,550	0,9844	259,93066	34,80	561,06	18582	17871	0,0725	942	942	2
U- 232 000 1963 ODS 02/08/65		90,550	0,9629	254,22122	83,81	1336,35	19092	17960	0,0733	705	705	2
U- 232 000 1963 ODS 02/08/65		91,550	0,9922	248,69783	17,25	272,11	19060	18476	0,0742	730	730	2
U- 232 000 1963 ODS 02/08/65		92,550	0,9787	243,35252	47,67	743,66	19439	18587	0,0750	797	797	2
U- 232 000 1963 ODS 02/08/65		93,550	0,9875	238,17771	27,94	431,15	19128	18453	0,0758	767	767	2
U- 232 000 1963 ODS 02/08/65		94,550	0,9928	233,16622	16,07	245,46	18787	18222	0,0766	705	705	2
U- 232 000 1963 ODS 02/08/65		95,550	0,									

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS	PTS AVE.
U- 232 000 1963 ODS 02/08/65		100,550	1,0114	206,16956	-25,09	-360,31	18982 18756	0,0814	688	688	2	
U- 232 000 1963 ODS 02/08/65		101,550	0,9806	202,12910	43,50	618,45	19059 18257	0,0823	820	820	2	
U- 232 000 1963 ODS 02/08/65		102,550	0,9794	198,20626	46,15	649,73	19105 18280	0,0831	658	658	2	
U- 232 000 1963 ODS 02/08/65		103,550	0,9856	194,39652	32,17	448,51	18834 18135	0,0839	625	625	2	
U- 232 000 1963 ODS 02/08/65		104,550	0,9487	190,69558	116,79	1612,83	19280 17885	0,0847	544	544	2	
U- 232 000 1963 ODS 02/08/65		105,550	0,9671	187,09933	74,05	1012,91	18915 17872	0,0855	776	776	2	
U- 232 000 1963 ODS 02/08/65		106,550	0,9756	183,60385	54,69	740,99	19410 18500	0,0863	577	577	2	
U- 232 000 1963 ODS 02/08/65		107,550	0,9915	180,20543	18,87	253,31	19429 18820	0,0871	608	608	2	
U- 232 000 1963 ODS 02/08/65		108,550	0,9850	176,90049	33,58	446,61	19248 18521	0,0879	602	602	2	
U- 232 000 1963 ODS 02/08/65		109,550	0,9991	173,68565	2,00	26,31	19056 18600	0,0887	746	746	2	
U- 232 000 1963 ODS 02/08/65		110,550	1,0089	170,55765	-19,73	-257,64	18939 18666	0,0895	564	564	2	
U- 232 000 1963 ODS 02/08/65		111,550	0,9807	167,51340	43,25	559,78	18964 18165	0,0904	539	539	2	
U- 232 000 1963 ODS 02/08/65		112,550	0,9825	164,54993	39,25	503,49	18640 17891	0,0912	610	610	2	
U- 232 000 1963 ODS 02/08/65		113,550	0,9782	161,66441	48,88	621,55	18648 17821	0,0920	705	705	2	
U- 232 000 1963 ODS 02/08/65		114,550	0,9643	158,85413	80,62	1016,17	19050 17946	0,0928	540	540	2	
U- 232 000 1963 ODS 02/08/65		115,550	0,9705	156,11650	66,29	828,32	18971 17987	0,0936	499	499	2	
U- 232 000 1963 ODS 02/08/65		116,550	0,9770	153,44903	51,51	638,09	19251 18375	0,0944	415	415	2	
U- 232 000 1963 ODS 02/08/65		117,550	0,9712	150,84934	64,68	794,37	18873 17907	0,0952	631	631	2	
U- 232 000 1963 ODS 02/08/65		118,550	0,9719	148,31517	63,29	770,77	18581 17641	0,0960	656	656	2	
U- 232 000 1963 ODS 02/08/65		119,550	0,9618	145,84432	86,46	1044,18	18613 17488	0,0968	383	383	2	
U- 232 000 1963 ODS 02/08/65		120,550	0,9262	143,43471	170,05	2036,58	18360 16612	0,0976	354	354	2	
U- 232 000 1963 ODS 02/08/65		121,550	0,9317	141,08433	156,94	1864,10	17976 16361	0,0985	507	507	2	
U- 232 000 1963 ODS 02/08/65		122,550	0,9810	138,79124	42,52	500,94	17089 16376	0,0993	508	508	2	
U- 232 000 1963 ODS 02/08/65		123,550	0,9808	136,55361	43,04	502,95	16651 15954	0,1001	270	270	2	
U- 232 000 1963 ODS 02/08/65		124,550	1,0087	134,36966	-1,45	-16,75	15223 14882	0,1009	460	460	2	
U- 232 000 1963 ODS 02/08/65		125,550	0,9498	132,23769	114,24	1313,65	14598 13545	0,1017	543	543	2	
U- 232 000 1963 ODS 02/08/65		126,550	0,8870	130,15606	265,82	3032,63	15752 13650	0,1025	383	383	2	
U- 232 000 1963 ODS 02/08/65		127,550	0,9482	128,12320	117,93	1334,88	16292 15092	0,1033	466	466	2	
U- 232 000 1963 ODS 02/08/65		128,550	0,9739	126,13759	58,69	659,10	17304 16463	0,1041	427	427	2	
U- 232 000 1963 ODS 02/08/65		129,550	0,9723	124,19779	62,24	693,62	17788 16897	0,1049	421	421	2	
U- 232 000 1963 ODS 02/08/65		130,550	0,9828	122,30239	38,47	425,42	16818 16147	0,1057	386	386	2	
U- 232 000 1963 ODS 02/08/65		131,550	1,0034	120,45005	-7,43	-81,59	16330 16007	0,1066	404	404	2	
U- 232 000 1963 ODS 02/08/65		132,550	0,9963	118,63948	8,14	88,67	17768 17294	0,1074	464	464	2	
U- 232 000 1963 ODS 02/08/65		133,550	0,9736	116,86942	59,38	641,95	18830 17995	0,1082	366	366	2	
U- 232 000 1963 ODS 02/08/65		134,550	0,9615	115,13869	87,10	934,59	18947 17997	0,1090	257	257	2	
U- 232 000 1963 ODS 02/08/65		135,550	0,9601	113,44612	90,32	962,00	18820 17651	0,1098	382	382	2	
U- 232 000 1963 ODS 02/08/65		136,550	0,9643	111,79060	80,63	852,47	18911 17814	0,1106	437	437	2	
U- 232 000 1963 ODS 02/08/65		137,550	0,9254	110,51005	171,92	1847,10	18534 17556	0,1114	460	460	2	
U- 232 000 1963 ODS 02/08/65		138,550	0,8766	108,58645	251,93	3042,10	18507 15845	0,1122	419	419	2	
U- 232 000 1963 ODS 02/08/65		139,550	0,9219	107,03579	180,33	1865,68	18453 16619	0,1130	470	470	2	
U- 232 000 1963 ODS 02/08/65		140,550	0,9582	105,51811	94,70	972,75	18695 17500	0,1138	470	470	2	
U- 232 000 1963 ODS 02/08/65		141,550	0,9664	104,03248	75,86	773,69	18769 17719	0,1147	415	415	2	
U- 232 000 1963 ODS 02/08/65		142,550	0,9803	102,57801	44,00	445,62	18567 17782	0,1155	458	458	2	
U- 232 000 1963 ODS 02/08/65		143,550	0,9974	101,15382	5,86	58,94	18214 17747	0,1163	477	477	2	
U- 232 000 1963 ODS 02/08/65		144,550	0,9822	99,75910	39,77	397,17	18392 17648	0,1171	412	412	2	
U- 232 000 1963 ODS 02/08/65		145,550	0,9967	98,39302	7,24	71,82	18453 17966	0,1179	534	534	2	
U- 232 000 1963 ODS 02/08/65		146,550	0,9948	97,05481	11,64	114,68	18432 17912	0,1187	485	485	2	
U- 232 000 1963 ODS 02/08/65		147,550	0,9948	95,74371	11,50	112,51	18686 18160	0,1195	409	409	2	
U- 232 000 1963 ODS 02/08/65		148,550	1,0033	94,45901	-7,31	-71,03	18501 18134	0,1203	541	541	2	
U- 232 000 1963 ODS 02/08/65		149,550	0,9999	93,19999	0,31	2,98	18285 17860	0,1211	412	412	2	
U- 232 000 1963 ODS 02/08/65		150,550	0,9890	91,96597	24,59	235,80	17676 17076	0,1219	490	490	2	
U- 232 000 1963 ODS 02/08/65		151,550	0,9898	90,75637	22,80	217,17	15325 14831	0,1228	555	555	2	
U- 232 000 1963 ODS 02/08/65		152,550	0,9716	89,57035	63,94	605,12	15203 14425	0,1236	440	440	2	
U- 232 000 1963 ODS 02/08/65		153,550	0,9929	88,40749	15,82	148,77	17421 16896	0,1244	444	444	2	
U- 232 000 1963 ODS 02/08/65		154,550	0,9961	87,26713	8,70	81,29	17966 17482	0,1252	605	605	2	
U- 232 000 1963 ODS 02/08/65		155,550	0,9871	86,14869	28,75	266,80	17766 17132	0,1260	671	671	2	
U- 232 000 1963 ODS 02/08/65		156,550	0,9845	85,05161	34,53	318,41	17372 16706	0,1268	623	623	2	
U- 232 000 1963 ODS 02/08/65		157,550	1,0158	83,97536	-34,79	-318,79	17968 17831	0,1276	540	540	2	
U- 232 000 1963 ODS 02/08/65		158,550	0,9958	82,91941	9,22	83,98	18340 17842	0,1284	627	627	2	
U- 232 000 1963 ODS 02/08/65		159,550	0,9927	81,88325	16,18	146,42	18809 18241	0,1292	518	518	2	
U- 232 000 1963 ODS 02/08/65		160,550	0,9922	80,86639	17,39	156,34	18685 18111	0,1300	566	566	2	
U- 232 000 1963 ODS 02/08/65		161,550	0,9871	79,86836	28,76	257,07	18518 17858	0,1309	668	668	2	
U- 232 000 1963 ODS 02/08/65		162,550	0,9724	78,88869	62,08	551,37	18584 17652	0,1317	744	744	2	
U- 232 000 1963 ODS 02/08/65		163,550	0,9769	77,92694	51,88	457,95	18702 17847	0,1325	639	639	2	
U- 232 000 1963 ODS 02/08/65		164,550	0,9909	76,98266	20,36	178,66	18297 17711	0,1333	686	686	2	
U- 232 000 1963 ODS 02/08/65		165,550	0,8688	76,05545	311,92	2720,28	18567 17575	0,1341	766	766	2	
U- 232 000 1963 ODS 02/08/65		166,550	0,7550	75,14488	622,99	5400,44	18788 13857	0,1349	811	811	2	
U- 232 000 1963 ODS 02/08/65		167,550	0,8047	74,25058	481,79	4151,55	18779 14762	0,1357	834	834	2	
U- 232 000 1963 ODS 02/08/65		168,550	0,9232	73,37214	177,17	1517,60	18635 16804	0,1365	766	766	2	
U- 232 000 1963 ODS 02/08/65		169,550	0,9740	72,50920	58,50	498,18	18558 17656	0,1373	784	784	2	
U- 232 000 1963 ODS 02/08/65		170,550	0,9749	71,66139	56,26	476,27	18707 17817	0,1381	760	760	2	
U- 232 000 1963 ODS 02/08/65		171,550	0,9841	70,82837	35,59	299,56	18215 17511	0,1390	921	921	2	
U- 232 000 1963 ODS 02/08/65		172,550	1,0143	70,00979	-31,37	-262,50	18264 18094	0,1398	771	771	2	
U- 232 000 1963 ODS 02/08/65		173,550	0,9969	69,20532	6,83	56,78	18378 17898	0,1406	812	812	2	
U- 232 000 1963 ODS 02/08/65		174,550	0,9962	68,41463	8,46	69,96	18019 17536	0,1414	800	800	2	
U- 232 000 1963 ODS 02/08/65		175,550	0,9984	67,63742	3,63	29,85	17082 16661	0,1422	780	780	2	
U- 232 000 1963 ODS 02/08/65		176,550	1,0038	66,87338	-8,47	-69,30	16797 16472	0,1430	822	822	2	
U- 232 000 1963 ODS 02/08/65		177,550	0,9895	66,12221	23,39	190,21	18069 17466	0,1438	731	731	2	
U- 232 000 1963 ODS 02/08/65		178,550	0,9875	65,38362	27,98	226,28	18399 17748	0,1446	678	678	2	
U- 232 000 1963 ODS 02/08/65		179,550	0,9903	64,65735	21,68	174,29	18090 17501	0,1454	790	790	2	
U- 232 000 1963 ODS 02/08/65		180,550	1,0022	63,94310	-4,92	-39,36	17965 17585	0,1462	588	588	2	
U- 232 000 1963 ODS 02/08/65		181,55										

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC	COUNTS	FRAC.	FAST	BKGS	NO.	PTS
U- 232 000 1963 ODS 02/08/65	200,550	0,9838	51,82548	36,27	261,10	18148	17441	0,1624	546	546	2	2
U- 232 000 1963 ODS 02/08/65	201,550	1,0069	51,31249	-15,18	-108,71	17861	17566	0,1633	580	580	2	2
U- 232 000 1963 ODS 02/08/65	202,550	0,9897	50,80708	22,94	163,51	17990	17394	0,1641	543	543	2	2
U- 232 000 1963 ODS 02/08/65	203,550	1,0142	50,30909	-31,34	-222,26	17863	17698	0,1649	486	486	2	2
U- 232 000 1963 ODS 02/08/65	204,550	0,9946	49,81839	12,04	84,98	17872	17365	0,1657	548	548	2	2
U- 232 000 1963 ODS 02/08/65	205,550	0,9878	49,33484	27,21	191,11	17744	17122	0,1665	561	561	2	2
U- 232 000 1963 ODS 02/08/65	206,550	0,9960	48,85829	8,86	61,92	17788	17307	0,1673	489	489	2	2
U- 232 000 1963 ODS 02/08/65	207,550	0,9854	48,38862	32,57	226,56	17768	17104	0,1681	495	495	2	2
U- 232 000 1963 ODS 02/08/65	208,550	0,9729	47,92568	61,02	422,45	17741	16860	0,1689	550	550	2	2
U- 232 000 1963 ODS 02/08/65	209,550	0,9642	47,46936	80,86	557,13	17972	16928	0,1697	548	548	2	2
U- 232 000 1963 ODS 02/08/65	210,550	0,9705	47,01952	66,38	455,18	17946	17014	0,1705	415	415	2	2
U- 232 000 1963 ODS 02/08/65	211,550	0,9947	46,57605	11,88	81,10	17647	17147	0,1714	383	383	2	2
U- 232 000 1963 ODS 02/08/65	212,550	0,9909	46,13882	20,34	138,18	17756	17187	0,1722	392	392	2	2
U- 232 000 1963 ODS 02/08/65	213,550	0,9838	45,70772	36,31	245,49	17451	16771	0,1730	467	467	2	2
U- 232 000 1963 ODS 02/08/65	214,550	1,0063	45,28263	-13,87	-93,31	17092	16801	0,1738	387	387	2	2
U- 232 000 1963 ODS 02/08/65	215,550	0,9924	44,86345	16,91	113,26	17132	16805	0,1746	332	332	2	2
U- 232 000 1963 ODS 02/08/65	216,550	0,9677	44,45006	72,82	485,51	17408	16456	0,1754	435	435	2	2
U- 232 000 1963 ODS 02/08/65	217,550	0,9239	44,04235	175,37	1163,84	17516	15810	0,1762	485	485	2	2
U- 232 000 1963 ODS 02/08/65	218,550	0,8192	43,64023	442,24	2921,45	17616	14097	0,1770	470	470	2	2
U- 232 000 1963 ODS 02/08/65	219,550	0,7777	43,24360	557,46	3665,83	17437	13247	0,1778	376	376	2	2
U- 232 000 1963 ODS 02/08/65	220,550	0,8763	42,85234	292,65	1915,72	17807	15244	0,1786	372	372	2	2
U- 232 000 1963 ODS 02/08/65	221,550	0,9539	42,46637	104,70	682,30	17611	16410	0,1795	479	479	2	2
U- 232 000 1963 ODS 02/08/65	222,550	0,9770	42,08560	51,68	335,26	17737	16928	0,1803	350	350	2	2
U- 232 000 1963 ODS 02/08/65	223,550	0,9910	41,70992	20,09	129,73	17721	17155	0,1811	383	383	2	2
U- 232 000 1963 ODS 02/08/65	224,550	0,9858	41,33925	31,74	204,06	17509	16861	0,1819	390	390	2	2
U- 232 000 1963 ODS 02/08/65	225,550	0,9843	40,97350	35,16	225,06	17574	16898	0,1827	373	373	2	2
U- 232 000 1963 ODS 02/08/65	226,550	1,0077	40,61258	-17,07	-108,32	17447	17175	0,1835	413	413	2	2
U- 232 000 1963 ODS 02/08/65	227,550	0,9921	40,25641	17,67	112,11	17530	16985	0,1843	406	406	2	2
U- 232 000 1963 ODS 02/08/65	228,550	0,9943	39,90490	12,58	79,45	17376	16878	0,1851	340	340	2	2
U- 232 000 1963 ODS 02/08/65	229,550	0,9796	39,55798	45,74	287,67	17284	16540	0,1859	293	293	2	2
U- 232 000 1963 ODS 02/08/65	230,550	1,0008	39,21556	-11,85	-11,56	16913	16536	0,1867	351	351	2	2
U- 232 000 1963 ODS 02/08/65	231,550	1,0060	38,87757	-13,22	-82,43	17109	16813	0,1876	325	325	2	2
U- 232 000 1963 ODS 02/08/65	232,550	0,9878	38,54393	27,10	160,75	17361	16753	0,1884	341	341	2	2
U- 232 000 1963 ODS 02/08/65	233,550	0,9942	38,21457	12,93	79,93	17386	16885	0,1892	403	403	2	2
U- 232 000 1963 ODS 02/08/65	234,550	0,9762	37,88941	53,48	329,19	17490	16679	0,1900	365	365	2	2
U- 232 000 1963 ODS 02/08/65	235,550	0,9968	37,56838	7,07	43,34	17388	16932	0,1908	375	375	2	2
U- 232 000 1963 ODS 02/08/65	236,550	0,9839	37,25142	36,03	219,92	17588	16904	0,1916	250	250	2	2
U- 232 000 1963 ODS 02/08/65	237,550	0,9877	36,93845	27,50	167,13	17332	16722	0,1924	349	349	2	2
U- 232 000 1963 ODS 02/08/65	238,550	0,9758	36,62940	54,20	328,04	17211	16407	0,1932	397	397	2	2
U- 232 000 1963 ODS 02/08/65	239,550	1,0022	36,32422	-4,80	-28,95	16825	16472	0,1940	400	400	2	2
U- 232 000 1963 ODS 02/08/65	240,550	0,9896	36,02284	23,14	138,88	16999	16434	0,1948	352	352	2	2
U- 232 000 1963 ODS 02/08/65	241,550	0,9871	35,72519	28,85	172,44	17049	16435	0,1957	345	345	2	2
U- 232 000 1963 ODS 02/08/65	242,550	0,9885	35,43122	25,75	153,27	16923	16341	0,1965	301	301	2	2
U- 232 000 1963 ODS 02/08/65	243,550	0,9900	35,14086	22,35	132,52	16958	16399	0,1973	345	345	2	2
U- 232 000 1963 ODS 02/08/65	244,550	0,9887	34,85406	25,26	149,14	16988	16407	0,1981	318	318	2	2
U- 232 000 1963 ODS 02/08/65	245,550	0,9443	34,57075	127,12	747,42	17043	15721	0,1989	279	279	2	2
U- 232 000 1963 ODS 02/08/65	246,550	0,9360	34,29088	146,61	858,34	17138	15670	0,1997	295	295	2	2
U- 232 000 1963 ODS 02/08/65	247,550	0,9807	34,01440	43,31	252,57	17273	16547	0,2005	305	305	2	2
U- 232 000 1963 ODS 02/08/65	248,550	0,9946	33,74125	11,94	69,37	16905	16425	0,2013	354	354	2	2
U- 232 000 1963 ODS 02/08/65	249,550	0,9776	33,47137	50,19	290,34	17346	16566	0,2021	314	314	2	2
U- 232 000 1963 ODS 02/08/65	250,550	0,9972	33,20472	6,13	35,35	16930	16493	0,2029	327	327	2	2
U- 232 000 1963 ODS 02/08/65	251,550	0,9829	32,81068	38,24	219,03	34085	32727	0,2042	682	682	4	4
U- 232 000 1963 ODS 02/08/65	252,550	0,9950	32,29612	11,20	63,63	33962	33009	0,2058	639	639	4	4
U- 232 000 1963 ODS 02/08/65	253,550	0,9823	31,79356	39,52	222,86	34170	32790	0,2074	536	536	4	4
U- 232 000 1963 ODS 02/08/65	254,550	0,9866	31,30264	29,85	167,03	33953	32724	0,2090	609	609	4	4
U- 232 000 1963 ODS 02/08/65	255,550	0,9973	30,76383	6,00	33,26	44638	43488	0,2108	826	826	5	5
U- 232 000 1963 ODS 02/08/65	256,550	0,9733	30,23881	59,90	329,38	34015	32342	0,2127	593	593	4	4
U- 232 000 1963 ODS 02/08/65	257,550	0,9921	29,78332	17,50	95,53	33812	32770	0,2143	580	580	4	4
U- 232 000 1963 ODS 02/08/65	258,550	0,9866	29,28310	29,86	161,59	33983	32666	0,2161	645	645	5	5
U- 232 000 1963 ODS 02/08/65	259,550	0,9780	28,74193	49,22	263,88	44825	42826	0,2181	731	731	5	5
U- 232 000 1963 ODS 02/08/65	271,050	0,9771	28,37199	51,33	273,40	16550	15797	0,2196	251	251	2	2
U- 232 000 1963 ODS 02/08/65	272,050	0,9382	28,16380	141,45	750,70	15782	14464	0,2204	281	281	2	2
U- 232 000 1963 ODS 02/08/65	273,050	0,8312	27,95789	410,02	2167,97	14778	11995	0,2212	330	330	2	2
U- 232 000 1963 ODS 02/08/65	274,050	0,7866	27,75422	532,16	2803,55	14193	10906	0,2220	265	265	2	2
U- 232 000 1963 ODS 02/08/65	275,050	0,8637	27,55278	324,77	1704,72	15345	12947	0,2228	250	250	2	2
U- 232 000 1963 ODS 02/08/65	276,050	0,9567	27,35352	98,08	512,95	15986	14940	0,2236	264	264	2	2
U- 232 000 1963 ODS 02/08/65	277,050	0,9644	27,15641	80,33	418,59	16404	15454	0,2244	242	242	2	2
U- 232 000 1963 ODS 02/08/65	278,050	0,9955	26,91301	10,05	52,14	21939	21334	0,2254	235	235	3	3
U- 232 000 1963 ODS 02/08/65	280,050	0,9887	26,57771	25,13	129,53	33260	32124	0,2268	545	545	4	4
U- 232 000 1963 ODS 02/08/65	282,050	0,9867	26,20212	29,79	152,48	33176	31976	0,2285	476	476	4	4
U- 232 000 1963 ODS 02/08/65	284,050	0,9903	25,83444	21,71	110,32	33078	31998	0,2301	491	491	4	4
U- 232 000 1963 ODS 02/08/65	286,050	0,9862	25,42998	30,83	159,47	44211	42592	0,2319	659	659	5	5
U- 232 000 1963 ODS 02/08/65	288,050	0,9686	24,99162	70,69	353,41	38634	36556	0,2339	535	535	5	5
U- 232 000 1963 ODS 02/08/65	290,550	0,9743	24,69147	57,62	286,31	16417	15625	0,2353	276	276	2	2
U- 232 000 1963 ODS 02/08/65	291,550	0,9555	24,52238	100,86	499,46	16508	15405	0,2362	141	141	2	2
U- 232 000 1963 ODS 02/08/65	292,550	0,9386	24,35502	140,57	693,74	16268	14915	0,2370	245	245	2	2
U- 232 000 1963 ODS 02/08/65	293,550	0,8341	24,18937	402,25	1978,36	16343	13314	0,2378	196	196	2	2
U- 232 000 1963 ODS 02/08/65	294,550	0,6234	24,02540	1047,67	5135,23	16053	9776	0,2386	236	236	2	2
U- 232 000 1963 ODS 02/08/65	295,550	0,4585	23,86309	1728,82	8445,28	16109	7215	0,2394	212	212	2	2
U- 232 000 1963 ODS 02/08/65	296,550	0,6133	23,70243	1083,98	5277,38	15930	9543					

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN	FAC. OF OCT	FAST OPEN	BKGS SAMPLE	NO. PTS AVE.
U- 232 000 1963 ODS 02/08/65		322,550	0,9786	20,03524	48,02	214,95	15711	0,2613	164	164	2
U- 232 000 1963 ODS 02/08/65		324,050	0,9848	19,85019	33,89	150,98	31163	0,2625	408	408	4
U- 232 000 1963 ODS 02/08/65		326,300	0,9801	19,57738	44,49	196,87	41500	0,2643	482	482	5
U- 232 000 1963 ODS 02/08/65		328,800	0,9803	19,28080	44,14	193,82	35445	0,2663	372	372	5
U- 232 000 1963 ODS 02/08/65		331,550	0,9734	18,96228	59,76	260,25	45219	0,2686	536	536	6
U- 232 000 1963 ODS 02/08/65		334,300	0,9787	18,65159	47,76	206,25	40749	0,2708	411	411	5
U- 232 000 1963 ODS 02/08/65		336,800	0,9910	18,37573	19,98	85,63	34988	0,2728	384	384	5
U- 232 000 1963 ODS 02/08/65		339,550	0,9923	18,07928	17,15	72,91	46064	0,2750	431	431	6
U- 232 000 1963 ODS 02/08/65		342,550	0,9820	17,76400	40,31	169,90	46230	0,2775	457	457	6
U- 232 000 1963 ODS 02/08/65		345,550	0,9904	17,45689	21,35	89,20	45486	0,2799	433	433	6
U- 232 000 1963 ODS 02/08/65		348,550	0,9866	17,15768	29,95	124,06	45755	0,2823	363	363	6
U- 232 000 1963 ODS 02/08/65		351,550	0,9949	16,86609	11,25	46,19	45321	0,2848	374	374	6
U- 232 000 1963 ODS 02/08/65		354,800	0,9981	16,55852	4,31	17,54	55098	0,2874	528	528	7
U- 232 000 1963 ODS 02/08/65		358,050	0,9745	16,25928	57,28	230,97	45326	0,2900	382	382	6
U- 232 000 1963 ODS 02/08/65		361,550	0,9863	15,96808	50,59	122,24	49082	0,2927	350	350	7
U- 232 000 1963 ODS 02/08/65		364,800	0,9759	15,66315	54,08	214,04	54939	0,2955	470	470	7
U- 232 000 1963 ODS 02/08/65		368,300	0,9874	15,36686	28,20	110,54	48893	0,2983	319	319	7
U- 232 000 1963 ODS 02/08/65		372,050	0,9803	15,05865	44,22	171,59	59063	0,3014	366	366	8
U- 232 000 1963 ODS 02/08/65		375,800	0,9688	14,75962	70,21	269,73	54159	0,3044	398	398	7
U- 232 000 1963 ODS 02/08/65		379,550	0,9796	14,46941	45,66	173,67	57600	0,3074	375	375	8
U- 232 000 1963 ODS 02/08/65		383,550	0,9686	14,16918	70,80	266,50	57493	0,3107	406	406	8
U- 232 000 1963 ODS 02/08/65		386,050	0,9460	13,98626	123,10	460,37	14334	0,3127	101	101	2
U- 232 000 1963 ODS 02/08/65		387,050	0,9711	13,91408	64,99	242,44	14181	0,3135	98	98	2
U- 232 000 1963 ODS 02/08/65		388,070	0,9424	13,84246	131,62	489,71	14381	0,3143	54	54	2
U- 232 000 1963 ODS 02/08/65		389,300	0,9292	13,75371	162,88	604,07	18674	0,3153	143	143	3
U- 232 000 1963 ODS 02/08/65		390,550	0,9534	13,66581	105,91	391,53	14212	0,3163	108	108	2
U- 232 000 1963 ODS 02/08/65		391,550	0,9164	13,59610	193,63	713,98	14152	0,3172	147	147	2
U- 232 000 1963 ODS 02/08/65		392,550	0,9016	13,52691	229,65	844,62	14337	0,3180	68	68	2
U- 232 000 1963 ODS 02/08/65		393,550	0,8993	13,45826	235,25	863,02	14277	0,3188	108	108	2
U- 232 000 1963 ODS 02/08/65		394,550	0,8812	13,39012	280,28	1025,60	14160	0,3196	139	139	2
U- 232 000 1963 ODS 02/08/65		395,550	0,8457	13,32251	371,46	1355,81	14341	0,3204	99	99	2
U- 232 000 1963 ODS 02/08/65		396,550	0,8149	13,25540	453,89	1652,53	14304	0,3212	89	89	2
U- 232 000 1963 ODS 02/08/65		397,550	0,8049	13,18880	481,25	1747,72	13914	0,3220	83	83	2
U- 232 000 1963 ODS 02/08/65		398,550	0,7226	13,12270	720,41	2609,69	14240	0,3228	67	67	2
U- 232 000 1963 ODS 02/08/65		399,550	0,6736	13,05709	876,09	3165,72	14018	0,3236	94	94	2
U- 232 000 1963 ODS 02/08/65		400,550	0,5602	12,99198	1284,85	4631,15	14122	0,3244	83	83	2
U- 232 000 1963 ODS 02/08/65		401,550	0,4455	12,92735	1792,79	6445,89	13985	0,3253	109	109	2
U- 232 000 1963 ODS 02/08/65		402,550	0,3371	12,86320	2410,85	8646,59	13893	0,3261	87	87	2
U- 232 000 1963 ODS 02/08/65		403,550	0,2452	12,79953	3116,32	11149,07	13892	0,3269	67	67	2
U- 232 000 1963 ODS 02/08/65		404,550	0,2033	12,73633	3531,54	12603,34	13984	0,3277	79	79	2
U- 232 000 1963 ODS 02/08/65		405,550	0,2336	12,67360	3223,77	11476,63	14012	0,3285	35	35	2
U- 232 000 1963 ODS 02/08/65		406,550	0,3138	12,61133	2569,25	9124,04	13779	0,3293	87	87	2
U- 232 000 1963 ODS 02/08/65		407,550	0,4324	12,54951	1858,49	6583,74	13711	0,3301	84	84	2
U- 232 000 1963 ODS 02/08/65		408,550	0,5617	12,48815	1278,72	4518,82	13848	0,3309	42	42	2
U- 232 000 1963 ODS 02/08/65		409,550	0,6686	12,42724	892,39	3165,88	13927	0,3317	43	43	2
U- 232 000 1963 ODS 02/08/65		410,550	0,7359	12,36678	679,88	2300,89	13808	0,3325	61	61	2
U- 232 000 1963 ODS 02/08/65		411,550	0,7729	12,30675	571,19	2003,79	13997	0,3334	96	96	2
U- 232 000 1963 ODS 02/08/65		412,550	0,8265	12,24716	422,49	1478,55	13973	0,3342	76	76	2
U- 232 000 1963 ODS 02/08/65		413,550	0,8585	12,18801	338,21	1180,75	13996	0,3350	102	102	2
U- 232 000 1963 ODS 02/08/65		414,550	0,9025	12,12928	227,54	792,45	13737	0,3358	80	80	2
U- 232 000 1963 ODS 02/08/65		415,550	0,8992	12,07097	235,67	818,80	13723	0,3366	142	142	2
U- 232 000 1963 ODS 02/08/65		416,550	0,9055	12,01308	220,10	762,86	13715	0,3374	101	101	2
U- 232 000 1963 ODS 02/08/65		417,550	0,9207	11,95561	183,09	633,08	13740	0,3382	43	43	2
U- 232 000 1963 ODS 02/08/65		418,550	0,9497	11,89855	114,42	394,68	13433	0,3390	140	140	2
U- 232 000 1963 ODS 02/08/65		419,550	0,9450	11,84190	125,52	431,95	13830	0,3398	76	76	2
U- 232 000 1963 ODS 02/08/65		420,550	0,9658	11,78565	77,08	264,63	13414	0,3406	87	87	2
U- 232 000 1963 ODS 02/08/65		421,550	0,9605	11,72980	89,40	306,20	13512	0,3415	114	114	2
U- 232 000 1963 ODS 02/08/65		422,550	0,9690	11,67434	69,81	238,51	13683	0,3423	61	61	2
U- 232 000 1963 ODS 02/08/65		424,800	0,9673	11,55100	73,77	250,74	50199	0,3441	332	332	7
U- 232 000 1963 ODS 02/08/65		428,300	0,9732	11,36299	60,31	203,30	44597	0,3469	168	168	7
U- 232 000 1963 ODS 02/08/65		432,070	0,9060	11,16659	31,33	104,69	53213	0,3500	317	317	8
U- 232 000 1963 ODS 02/08/65		436,050	0,9736	10,96266	59,21	196,06	53162	0,3532	319	319	8
U- 232 000 1963 ODS 02/08/65		440,050	0,9864	10,76427	30,39	99,71	52938	0,3564	236	236	8
U- 232 000 1963 ODS 02/08/65		444,300	0,9969	10,55932	6,92	22,50	60770	0,3599	299	299	9
U- 232 000 1963 ODS 02/08/65		448,550	0,9831	10,36017	37,87	121,90	50185	0,3633	317	317	8
U- 232 000 1963 ODS 02/08/65		452,800	0,9897	10,16660	22,90	73,03	54929	0,3668	340	340	9
U- 232 000 1963 ODS 02/08/65		457,300	0,9972	9,96750	6,12	19,32	59858	0,3704	294	294	9
U- 232 000 1963 ODS 02/08/65		462,050	0,9946	9,76362	11,89	37,17	62972	0,3743	394	394	10
U- 232 000 1963 ODS 02/08/65		467,050	0,9917	9,55569	18,43	56,96	62340	0,3783	449	449	10
U- 232 000 1963 ODS 02/08/65		472,550	0,9872	9,35433	28,57	87,39	62444	0,3824	239	239	10
U- 232 000 1963 ODS 02/08/65		477,050	0,9922	9,15927	17,26	52,24	61971	0,3864	391	391	10
U- 232 000 1963 ODS 02/08/65		482,300	0,9861	8,96095	31,13	93,19	64385	0,3907	345	345	11
U- 232 000 1963 ODS 02/08/65		487,800	0,9921	8,76002	17,62	52,14	69230	0,3951	383	383	11
U- 232 000 1963 ODS 02/08/65		493,300	0,9969	8,56577	6,86	20,08	62807	0,3996	351	351	11
U- 232 000 1963 ODS 02/08/65		499,070	1,0012	8,36952	-2,61	-7,56	70549	0,4042	314	314	12
U- 232 000 1963 ODS 02/08/65		502,550	0,9923	8,25335	17,16	49,30	11722	0,4071	91	91	2
U- 232 000 1963 ODS 02/08/65		503,550	0,9837	8,22060	36,37	104,29	11797	0,4079	53	53	2
U- 232 000 1963 ODS 02/08/65		504,550	0,9998	8,18805	0,39	1,11	11770	0,4087	88	88	2
U- 232 000 1963 ODS 02/08/65		505,550	0,9942	8,15969	12,84	36,68	11761	0,4095	40	40	2
U- 232 000 1963 ODS 02/08/65		506,550	0,9791	8,12352	46,76	133,28	11839	0,4103	64	64	2
U- 232 000 1963 ODS 02/08/65		507,550	0,9967	8,09154	7,33	20,86	11681	0,4111	64	64	2
U- 232 000 1963 ODS 02/08/65		508,550	0,9863	8,05975	30,49	86,56	11539	0,4119	53	53	2
U- 232 000 1963 ODS 02/08/65		509,550	0,9993	8,02814	1,53	4,33	11303	0,4127	69	69	2
U- 232 000 1963 ODS 02/08/65		510,550	0,9895	7,99672	23,40	66,18	11574	0,4135	43	43	2
U- 232 000 1963 ODS 02/08/65		511,550	0,9821	7,96549	40,05	113,03	11603	0,4144	61	61	2
U- 232 000 1963 ODS 02/08/65		512,550	0,9927	7,93444	16,19	45,60	11557	0,4152	86	86	2
U- 232 000 1963 ODS 02/08/65		513,550	0,9753	7,90357	55,43	155,83	11451	0,4160	125	125	2
U- 232 000 1963 ODS 02/08/65		514,550	0,9890	7,87288	24,26	68,96	11451	0,4168	88	8	

IDENTIFICATION	DATE	DELAY	TRANS.	ENERGY	X-SEC	X-SEC ROOT E	COUNTS OPEN SAMPLE	FRAC. OF OCT	FAST BKGS OPEN SAMPLE	NO. PTS AVE.
U- 232 000 1963 ODS 02/08/65		527,550	1,0072	7,48965	-15,89	-43,48	11045 10867	0,4273	55 55	2
U- 232 000 1963 ODS 02/08/65		528,550	0,9998	7,46134	0,45	1,22	11195 10933	0,4281	69 69	2
U- 232 000 1963 ODS 02/08/65		529,550	0,9940	7,43318	13,35	36,41	11008 10688	0,4289	99 99	2
U- 232 000 1963 ODS 02/08/65		530,550	0,9944	7,40519	12,55	34,16	11165 10844	0,4297	95 95	2
U- 232 000 1963 ODS 02/08/65		531,550	0,9964	7,37735	8,02	21,78	11107 10810	0,4306	54 54	2
U- 232 000 1963 ODS 02/08/65		532,550	0,9858	7,34967	31,60	85,68	11084 10674	0,4314	65 65	2
U- 232 000 1963 ODS 02/08/65		533,550	0,9654	7,32215	78,00	211,07	11080 10445	0,4322	112 112	2
U- 232 000 1963 ODS 02/08/65		534,550	0,9937	7,29478	14,04	37,93	10911 10590	0,4330	110 110	2
U- 232 000 1963 ODS 02/08/65		535,550	0,9951	7,26756	10,89	29,36	10978 10671	0,4338	61 61	2
U- 232 000 1963 ODS 02/08/65		536,550	1,0121	7,24050	-26,75	-71,97	10843 10720	0,4346	92 92	2
U- 232 000 1963 ODS 02/08/65		537,550	0,9844	7,21358	34,92	93,80	11011 10587	0,4354	42 42	2
U- 232 000 1963 ODS 02/08/65		538,550	0,9776	7,18682	50,12	134,37	10873 10383	0,4362	72 72	2
U- 232 000 1963 ODS 02/08/65		539,550	1,0023	7,16020	-5,14	-13,74	10944 10715	0,4370	40 40	2
U- 232 000 1963 ODS 02/08/65		540,550	0,9796	7,13373	45,74	122,17	10963 10490	0,4378	72 72	2
U- 232 000 1963 ODS 02/08/65		541,550	1,0082	7,10741	-18,10	-48,25	10697 10534	0,4387	106 106	2
U- 232 000 1963 ODS 02/08/65		542,550	0,9963	7,08124	8,21	21,85	10828 10536	0,4395	51 51	2
U- 232 000 1963 ODS 02/08/65		544,800	0,9969	7,02287	6,82	18,07	40057 39005	0,4413	283 283	7
U- 232 000 1963 ODS 02/08/65		548,300	0,9832	6,93350	37,49	98,73	35148 33757	0,4441	200 200	7
U- 232 000 1963 ODS 02/08/65		552,300	0,9785	6,83343	48,15	125,86	50445 48216	0,4474	311 311	9
U- 232 000 1963 ODS 02/08/65		556,550	0,9097	6,72946	23,03	59,75	42065 40665	0,4508	320 320	8
U- 232 000 1963 ODS 02/08/65		560,550	0,9917	6,63376	18,52	47,70	41520 40219	0,4540	255 255	8
U- 232 000 1963 ODS 02/08/65		564,800	0,9893	6,53430	23,80	60,84	44006 42526	0,4575	236 236	9
U- 232 000 1963 ODS 02/08/65		569,300	0,9712	6,43141	64,85	164,46	48809 46302	0,4611	348 348	9
U- 232 000 1963 ODS 02/08/65		572,050	0,9571	6,36973	97,25	245,45	10201 9537	0,4634	61 61	2
U- 232 000 1963 ODS 02/08/65		573,050	0,9498	6,34751	114,20	287,72	10196 9459	0,4642	80 80	2
U- 232 000 1963 ODS 02/08/65		574,050	0,9709	6,32542	65,57	164,92	10097 9576	0,4650	58 58	2
U- 232 000 1963 ODS 02/08/65		575,050	0,9400	6,30344	137,19	344,44	10127 9295	0,4658	106 106	2
U- 232 000 1963 ODS 02/08/65		576,050	0,9402	6,28157	136,64	342,47	10035 9246	0,4666	115 115	2
U- 232 000 1963 ODS 02/08/65		577,050	0,9209	6,25982	163,42	408,87	10036 9106	0,4674	133 133	2
U- 232 000 1963 ODS 02/08/65		578,050	0,9200	6,23818	184,84	461,67	9989 8976	0,4682	61 61	2
U- 232 000 1963 ODS 02/08/65		579,050	0,8984	6,21665	237,65	592,53	10041 8811	0,4690	43 43	2
U- 232 000 1963 ODS 02/08/65		580,050	0,8686	6,19524	312,29	777,30	10198 8653	0,4698	111 111	2
U- 232 000 1963 ODS 02/08/65		581,050	0,8589	6,17393	337,21	837,89	10113 8485	0,4707	57 57	2
U- 232 000 1963 ODS 02/08/65		582,050	0,8012	6,15273	491,25	1218,53	9928 7771	0,4715	84 84	2
U- 232 000 1963 ODS 02/08/65		583,050	0,7441	6,13165	655,36	1622,82	9958 7237	0,4723	80 80	2
U- 232 000 1963 ODS 02/08/65		584,050	0,6405	6,11067	987,81	2441,84	9973 6235	0,4731	94 94	2
U- 232 000 1963 ODS 02/08/65		585,050	0,5103	6,08980	1491,30	3680,15	9972 4971	0,4739	110 110	2
U- 232 000 1963 ODS 02/08/65		586,050	0,4068	6,06903	1994,12	4912,60	9780 3886	0,4747	57 57	2
U- 232 000 1963 ODS 02/08/65		587,050	0,2530	6,04837	3047,29	7494,33	9900 2446	0,4755	73 73	2
U- 232 000 1963 ODS 02/08/65		588,050	0,1534	6,02782	4156,46	10204,78	9885 1481	0,4763	83 83	2
U- 232 000 1963 ODS 02/08/65		589,050	0,0983	6,00737	5142,47	12604,16	9819 943	0,4771	98 98	2
U- 232 000 1963 ODS 02/08/65		590,050	0,0931	5,98702	5263,29	12878,42	9735 885	0,4779	36 36	2
U- 232 000 1963 ODS 02/08/65		591,050	0,0959	5,96678	5197,24	12695,30	9774 915	0,4788	78 78	2
U- 232 000 1963 ODS 02/08/65		592,050	0,1374	5,94664	4400,10	10729,96	9808 1316	0,4796	46 46	2
U- 232 000 1963 ODS 02/08/65		593,050	0,2105	5,92661	3454,74	8410,43	9850 2025	0,4804	79 79	2
U- 232 000 1963 ODS 02/08/65		594,050	0,3538	5,90667	2303,56	5598,50	9758 3372	0,4812	57 57	2
U- 232 000 1963 ODS 02/08/65		595,050	0,4910	5,88683	1576,80	3825,75	9889 4743	0,4820	66 66	2
U- 232 000 1963 ODS 02/08/65		596,050	0,6352	5,86710	1005,99	2436,71	9667 5998	0,4828	41 41	2
U- 232 000 1963 ODS 02/08/65		597,050	0,7348	5,84746	683,27	1652,26	9484 6807	0,4836	73 73	2
U- 232 000 1963 ODS 02/08/65		598,050	0,7579	5,82792	614,71	1483,97	9715 7192	0,4844	64 64	2
U- 232 000 1963 ODS 02/08/65		599,300	0,8287	5,80364	416,50	1003,37	11988 9704	0,4854	49 49	3
U- 232 000 1963 ODS 02/08/65		600,550	0,8432	5,77950	378,21	909,24	9773 8045	0,4864	32 32	2
U- 232 000 1963 ODS 02/08/65		601,550	0,8717	5,76030	304,46	730,72	9609 8181	0,4873	35 35	2
U- 232 000 1963 ODS 02/08/65		602,550	0,8832	5,74120	275,47	660,05	9571 8256	0,4881	65 65	2
U- 232 000 1963 ODS 02/08/65		603,550	0,9270	5,72219	167,97	401,81	9543 8641	0,4889	73 73	2
U- 232 000 1963 ODS 02/08/65		604,550	0,9471	5,70327	151,83	458,14	9491 8502	0,4897	81 81	2
U- 232 000 1963 ODS 02/08/65		605,550	0,9320	5,68445	156,04	372,04	9547 8691	0,4905	83 83	2
U- 232 000 1963 ODS 02/08/65		606,550	0,9458	5,66572	123,44	293,83	9435 8717	0,4913	40 40	2
U- 232 000 1963 ODS 02/08/65		607,550	0,9370	5,64709	144,38	343,09	9562 8751	0,4921	76 76	2
U- 232 000 1963 ODS 02/08/65		608,550	0,9410	5,62855	134,76	319,71	9412 8651	0,4929	70 70	2
U- 232 000 1963 ODS 02/08/65		609,550	0,9374	5,61009	143,26	339,33	9408 8615	0,4937	62 62	2
U- 232 000 1963 ODS 02/08/65		610,550	0,9771	5,59173	51,36	121,45	9214 8794	0,4945	85 85	2
U- 232 000 1963 ODS 02/08/65		613,550	0,9692	5,57318	69,44	163,40	46487 44008	0,4970	352 352	10
U- 232 000 1963 ODS 02/08/65		618,800	0,9811	5,44362	42,23	98,54	52687 50494	0,5012	505 505	11
U- 232 000 1963 ODS 02/08/65		624,550	0,9758	5,34385	54,38	125,71	54334 51786	0,5059	620 620	12
U- 232 000 1963 ODS 02/08/65		630,550	0,9787	5,24264	47,75	109,33	53890 51516	0,5107	290 290	12
U- 232 000 1963 ODS 02/08/65		636,550	0,9823	5,14427	39,52	89,63	52973 50830	0,5156	590 590	12
U- 232 000 1963 ODS 02/08/65		646,050	0,9811	4,99409	42,24	94,39	112359 107681	0,5233	1070 1070	26
U- 232 000 1963 ODS 02/08/65		659,550	0,9882	4,79174	26,27	57,51	117187 113115	0,5342	994 994	28
U- 232 000 1963 ODS 02/08/65		673,800	0,9896	4,59121	23,21	49,72	114599 110774	0,5458	989 989	29
U- 232 000 1963 ODS 02/08/65		688,800	0,9903	4,39342	21,65	45,38	115555 111777	0,5579	1110 1110	31
U- 232 000 1963 ODS 02/08/65		705,050	0,9861	4,19323	31,05	63,58	118047 113704	0,5711	1380 1380	34
U- 232 000 1963 ODS 02/08/65		722,550	0,9972	3,99257	6,20	12,39	126368 123091	0,5853	1434 1434	36
U- 232 000 1963 ODS 02/08/65		741,300	0,9891	3,79316	24,32	47,37	129501 125115	0,6005	1613 1613	39
U- 232 000 1963 ODS 02/08/65		761,800	0,9905	3,59176	21,25	40,28	137862 133377	0,6171	1886 1886	43
U- 232 000 1963 ODS 02/08/65		784,050	0,9901	3,39079	22,15	40,79	134987 130543	0,6351	2042 2042	46
U- 232 000 1963 ODS 02/08/65		808,300	0,9967	3,19039	7,43	13,28	133342 129810	0,6547	2263 2263	51
U- 232 000 1963 ODS 02/08/65		834,800	0,9952	2,99105	10,76	18,60	126419 122886	0,6762	2549 2549	55
U- 232 000 1963 ODS 02/08/65		864,050	0,9854	2,79197	32,58	54,43	113083 108847	0,6999	3196 3196	62
U- 232 000 1963 ODS 02/08/65		896,800	0,9887	2,59178	25,30	40,73	90656 87546	0,7264	4477 4477	69

Appendix B

A Cross Section Compilation for ^{232}U

This cross section compilation was taken from the data listed in Appendix A. In general, the thick sample data were used to obtain cross sections in the valleys and the thin sample data were used to give the peak cross sections. The data points shown in Figs. 1 and 2 were plotted from this compilation. These data include instrumental resolution and Doppler effects. The multilevel fits shown in Figs. 1 and 2 were made to describe these data by using the inverse sample thickness of 2217 barns/atom when doing the instrumental resolution broadening. A debye temperature of 334°C was used for the Doppler broadening.

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E	ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1954	0,01006	265,97	26,67	1954	0,11541	69,88	23,74
1954	0,01055	237,06	24,35	1954	0,12127	68,40	23,82
1954	0,01108	237,51	25,00	1954	0,12708	66,64	23,76
1954	0,01164	239,94	25,89	1954	0,13332	64,03	23,38
1954	0,01223	226,92	25,10	1954	0,14004	60,82	22,76
1954	0,01284	222,64	25,23	1954	0,14727	59,80	22,95
1954	0,01347	216,12	25,09	1954	0,15441	58,62	23,03
1954	0,01416	211,75	25,19	1954	0,16208	57,81	23,27
1954	0,01487	204,79	24,98	1954	0,17033	56,18	23,19
1954	0,01560	203,19	25,38	1954	0,17839	53,51	22,60
1954	0,01636	195,63	25,03	1954	0,18704	52,01	22,50
1954	0,01718	196,52	25,76	1954	0,19633	48,65	21,55
1954	0,01806	193,46	26,00	1954	0,20633	49,27	22,38
1954	0,01898	189,33	26,09	1954	0,21712	45,85	21,36
1954	0,01991	187,77	26,50	1954	0,24009	43,69	21,41
1954	0,02088	175,24	25,32	1954	0,25226	43,63	21,91
1954	0,02192	172,32	25,51	1954	0,26538	42,59	21,94
1954	0,02304	171,51	26,03	1954	0,27792	40,43	21,31
1954	0,02421	167,32	26,03	1954	0,29137	37,10	20,03
1954	0,02542	164,11	26,17	1954	0,30583	40,41	22,35
1954	0,02668	157,85	25,78	1954	0,32138	36,69	20,80
1954	0,02798	155,37	25,99	1954	0,33816	33,01	19,19
1954	0,02937	148,99	25,54	1954	0,35394	32,81	19,52
1954	0,03088	146,89	25,81	1954	0,37085	34,91	21,26
1954	0,03244	141,07	25,41	1954	0,39170	30,58	19,14
1954	0,03405	139,04	25,66	1954	0,41142	32,56	20,88
1954	0,03578	135,64	25,66	1954	0,42954	27,11	17,77
1954	0,03757	131,44	25,48	1954	0,45223	29,35	19,74
1954	0,03941	128,20	25,45	1954	0,47676	26,58	18,35
1954	0,04139	125,12	25,46	1954	0,49942	29,16	20,61
1954	0,04342	122,04	25,43	1954	0,52372	25,10	18,17
1954	0,04561	119,70	25,56	1954	0,54985	25,41	18,84
1954	0,04796	115,29	25,25	1954	0,57798	27,78	21,12
1954	0,05037	112,09	25,16	1954	0,60833	25,24	19,69
1954	0,05284	109,48	25,17	1954	0,63549	24,51	19,54
1954	0,05549	105,20	24,78	1954	0,66450	26,01	21,20
1954	0,05835	102,43	24,74	1954	0,70202	26,48	22,18
1954	0,06126	99,54	24,64	1954	0,73577	20,98	17,99
1954	0,06422	96,50	24,45	1954	0,77200	21,96	19,29
1954	0,06740	93,83	24,36	1954	0,81099	23,60	21,25
1954	0,07082	91,29	24,29	1954	0,85300	23,31	21,53
1954	0,07428	89,36	24,36	1954	0,89837	21,52	20,40
1954	0,07800	86,73	24,22	1954	0,93732	21,42	20,73
1954	0,08201	84,02	24,06	1954	0,97885	20,26	20,05
1954	0,08606	80,56	23,63	1897	1,17485	21,28	23,06
1954	0,09041	79,59	23,93	1897	1,37520	21,51	25,22
1954	0,09510	76,62	23,63	1897	1,57539	21,08	26,46
1954	0,09982	76,55	24,19	1897	2,38130	18,97	29,27
1954	0,10489	72,68	23,54	1960	2,41209	20,91	32,48
1954	0,10996	71,82	23,82	1897	2,58112	17,61	28,29

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ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E	ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1960	2,61295	18,62	30,10	1962	5,72137	182,13	435,65
1897	2,78134	17,93	29,91	1961	5,74035	220,73	528,85
1960	2,81370	20,16	33,81	1962	5,74035	226,57	542,85
1897	2,98429	17,46	30,16	1961	5,75942	269,66	647,15
1960	3,01302	17,81	30,91	1962	5,75942	256,88	616,49
1897	3,17871	14,97	26,69	1961	5,77858	313,57	753,79
1960	3,21030	17,22	30,85	1962	5,77858	305,95	735,47
1897	3,37554	15,95	29,31	1961	5,79784	388,55	935,59
1960	3,41012	15,68	28,95	1962	5,79784	381,10	917,63
1897	3,58184	15,59	29,50	1961	5,81720	491,24	1184,81
1960	3,61013	12,68	24,09	1962	5,81720	469,89	1133,32
1897	3,78717	16,79	32,67	1961	5,83666	635,56	1535,45
1960	3,81279	18,54	36,20	1962	5,83666	611,98	1478,49
1897	3,98855	19,47	38,88	1961	5,85621	886,22	2144,61
1960	4,01624	18,58	37,24	1962	5,85621	859,66	2080,34
1897	4,18267	18,27	37,37	1963	5,86710	1005,99	2436,71
1960	4,21241	19,80	40,64	1961	5,87586	1224,64	2968,55
1897	4,37861	17,79	37,23	1962	5,87586	1152,65	2794,03
1960	4,41047	20,35	42,74	1963	5,88683	1576,80	3825,75
1897	4,57508	19,79	42,33	1961	5,89561	1694,49	4114,37
1960	4,61596	17,99	38,64	1962	5,89561	1684,85	4090,96
1897	4,77064	20,62	45,03	1963	5,90667	2303,56	5598,50
1960	4,81417	19,53	42,84	1961	5,91546	2110,69	5133,57
1897	4,97900	26,33	58,75	1962	5,91546	2219,74	5398,80
1960	5,00988	26,45	59,21	1963	5,92661	3454,74	8410,43
1897	5,13631	29,42	66,67	1963	5,94664	4400,10	10729,96
1960	5,16055	34,26	77,84	1963	5,96678	5197,24	12695,30
1897	5,23430	33,45	76,53	1963	5,98702	5263,29	12878,42
1960	5,25923	37,60	86,22	1963	5,142,47	5142,47	12604,16
1897	5,33512	39,12	90,36	1963	6,02782	4156,46	10204,78
1960	5,36078	45,98	106,45	1963	6,04837	3047,29	7494,33
1897	5,43888	46,57	108,61	1961	6,05727	1763,28	4339,71
1960	5,46529	48,87	114,26	1962	6,05727	1757,55	4325,60
1897	5,52767	65,51	154,01	1963	6,06903	1994,12	4912,60
1961	5,55474	71,60	168,74	1961	6,07794	1408,88	3473,37
1960	5,56380	76,24	179,82	1962	6,07794	1482,14	3653,98
1897	5,58200	76,82	181,51	1963	6,08980	1491,30	3680,15
1961	5,60946	101,31	239,94	1961	6,09872	1093,20	2699,72
1962	5,60946	95,14	225,33	1962	6,09872	1137,31	2808,64
1961	5,62788	119,14	282,64	1963	6,11067	987,81	2441,84
1962	5,62788	100,45	238,30	1961	6,11961	819,18	2026,48
1961	5,64640	125,00	297,03	1962	6,11961	802,75	1985,82
1962	5,64640	123,26	292,89	1961	6,14060	583,83	1446,75
1961	5,66500	125,76	299,34	1962	6,14060	613,84	1521,11
1962	5,66500	131,31	312,54	1961	6,16170	431,91	1072,12
1961	5,68370	133,58	318,46	1962	6,16170	442,83	1099,22
1962	5,68370	142,52	339,77	1961	6,18291	356,42	886,25
1961	5,70249	159,72	381,40	1962	6,18291	358,92	892,47
1962	5,70249	163,89	391,37	1961	6,20423	271,21	675,54
1961	5,72137	211,94	506,95	1962	6,20423	257,35	641,02

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E	ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1961	6,22566	227,83	568,46	1960	10,18817	22,81	72,80
1962	6,22566	227,83	568,48	1897	10,27873	19,56	62,71
1961	6,24721	183,61	458,92	1960	10,39364	26,12	84,21
1962	6,24721	196,48	491,08	1897	10,46351	22,99	74,35
1961	6,26886	170,78	427,59	1960	10,58154	27,08	88,10
1962	6,26886	172,70	432,39	1897	10,65332	25,68	83,83
1961	6,29063	132,28	331,77	1960	10,77459	29,64	97,29
1962	6,29063	137,37	344,54	1897	10,84835	28,67	94,44
1961	6,31251	124,62	313,10	1960	10,97297	34,05	112,80
1962	6,31251	117,90	296,23	1897	11,04877	31,68	105,29
1961	6,33450	98,40	247,65	1960	11,17687	37,12	124,09
1962	6,33450	114,93	289,25	1897	11,20276	37,77	126,40
1961	6,35661	102,93	259,51	1897	11,30721	43,89	147,59
1962	6,35661	103,51	260,98	1960	11,38652	49,36	166,57
1962	6,37884	94,42	238,47	1897	11,41314	49,04	165,68
1960	6,38999	92,06	232,71	1897	11,52055	56,75	192,63
1897	6,41240	84,00	212,70	1960	11,60211	73,24	249,45
1960	6,41240	67,08	169,86	1897	11,62949	69,44	236,82
1960	6,46892	64,20	163,30	1962	11,71222	85,56	292,80
1897	6,50319	59,86	152,65	1897	11,73999	87,55	299,99
1960	6,56092	49,73	127,38	1960	11,73999	77,84	266,72
1897	6,59593	43,39	111,44	1962	11,76786	102,00	349,90
1960	6,66679	45,85	118,39	1960	11,79583	102,25	351,19
1897	6,69066	40,95	105,92	1962	11,82389	116,33	400,02
1960	6,77524	33,92	88,29	1897	11,85206	111,61	384,23
1897	6,78745	33,33	86,83	1960	11,85206	119,63	411,86
1960	6,87387	28,34	74,31	1961	11,88033	135,36	466,55
1897	6,88635	29,51	77,43	1962	11,88033	128,71	443,64
1960	6,97468	25,45	67,22	1960	11,90870	142,68	492,37
1897	6,98744	30,43	80,44	1961	11,93718	142,48	492,26
1897	7,06472	27,26	72,44	1962	11,93718	148,46	512,94
1960	7,06472	23,08	61,36	1897	11,96575	149,85	518,35
1960	8,37957	19,61	56,77	1960	11,96575	144,27	499,04
1897	8,43012	19,52	56,67	1961	11,99443	175,81	608,89
1960	8,58456	15,84	46,42	1962	11,99443	161,51	559,35
1897	8,63699	18,11	53,23	1960	12,02321	186,78	647,65
1960	8,79718	18,54	54,99	1961	12,05209	198,64	689,59
1897	8,85156	17,47	51,97	1962	12,05209	214,91	746,08
1960	8,99909	19,30	57,88	1960	12,08108	220,32	765,79
1897	9,07424	15,69	47,27	1961	12,11018	241,27	839,60
1960	9,18074	18,64	56,50	1962	12,11018	231,01	803,91
1897	9,26628	14,36	43,71	1960	12,13938	268,50	935,51
1960	9,38444	15,82	48,48	1961	12,16868	304,28	1061,44
1897	9,46448	18,47	56,81	1962	12,16868	290,51	1013,42
1960	9,58647	20,83	64,49	1960	12,19809	320,00	1117,62
1897	9,66911	19,46	60,51	1961	12,22761	357,85	1251,31
1960	9,79509	19,97	62,51	1962	12,22761	351,41	1228,82
1897	9,83763	16,42	51,51	1960	12,25723	420,35	1471,66
1960	9,98873	17,83	56,35	1961	12,28697	464,21	1627,19
1897	10,05456	16,39	51,97	1962	12,28697	450,33	1578,55

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1960	12,31681	518,07	1818,20
1961	12,34676	597,73	2100,31
1962	12,34676	570,29	2003,89
1960	12,37682	667,25	2347,43
1961	12,40698	795,61	2802,40
1962	12,40698	779,43	2745,42
1961	12,46765	1092,15	3856,32
1962	12,46765	1075,78	3798,54
1963	12,48815	1278,72	4518,82
1961	12,52877	1501,44	5314,48
1962	12,52877	1461,98	5174,83
1963	12,54951	1858,49	6583,74
1961	12,59034	2034,74	7219,85
1962	12,59034	2017,56	7158,88
1963	12,61133	2569,25	9124,04
1963	12,67360	3223,77	11476,63
1963	12,73633	3531,54	12603,34
1963	12,79953	3116,32	11149,07
1963	12,86320	2410,85	8646,59
1961	12,90508	1818,54	6532,86
1962	12,90508	1794,63	6446,97
1963	12,92735	1792,79	6445,89
1961	12,96945	1438,44	5180,26
1962	12,96945	1486,52	5353,43
1963	12,99198	1284,85	4631,15
1961	13,03429	1103,96	3985,64
1962	13,03429	1124,50	4059,78
1961	13,09963	813,57	2944,57
1962	13,09963	868,91	3144,86
1960	13,13248	659,97	2391,65
1961	13,16546	617,32	2239,89
1962	13,16546	639,61	2320,77
1960	13,19856	518,90	1885,14
1961	13,23178	494,94	1800,39
1962	13,23178	509,63	1853,80
1960	13,26513	417,18	1519,43
1961	13,29861	397,82	1450,73
1962	13,29861	419,88	1531,19
1960	13,33221	349,16	1274,91
1961	13,36594	339,72	1242,01
1962	13,36594	339,98	1242,95
1960	13,39980	293,77	1075,36
1961	13,43379	274,55	1006,28
1962	13,43379	284,44	1042,54
1960	13,46791	252,80	927,74
1961	13,50215	234,97	863,42
1962	13,50215	234,53	861,77
1960	13,53653	218,14	802,58
1961	13,57104	205,74	757,94
1962	13,57104	215,33	793,25

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1960	13,60569	200,41	739,24
1961	13,64046	191,07	705,67
1962	13,64046	183,31	677,00
1960	13,67537	154,48	571,28
1961	13,71041	157,37	582,69
1962	13,71041	178,54	661,08
1897	13,74559	157,55	584,12
1960	13,74559	154,32	572,15
1961	13,78090	152,88	567,54
1962	13,78090	154,05	571,86
1960	13,81635	130,50	485,09
1961	13,85194	137,96	513,47
1962	13,85194	139,09	517,66
1897	13,88766	124,36	463,43
1960	13,88766	130,05	484,64
1961	13,92352	119,69	446,60
1962	13,92352	126,48	471,95
1960	13,95952	119,92	448,06
1961	13,99567	102,21	382,36
1962	13,99567	110,54	413,53
1897	14,03195	112,70	422,18
1960	14,03195	86,50	324,02
1960	14,10494	99,33	373,05
1962	14,17849	96,44	363,15
1897	14,25263	89,68	338,55
1960	14,28992	83,59	315,99
1897	14,55506	71,47	272,65
1960	14,59354	65,83	251,47
1897	14,86723	59,14	228,03
1960	14,90695	63,38	244,70
1897	15,18954	50,51	196,86
1960	15,18954	51,61	201,14
1960	15,48025	46,56	183,20
1897	15,52246	44,18	174,07
1960	15,77937	42,96	170,66
1897	15,86643	37,36	148,83
1960	16,08726	41,38	165,95
1897	16,13198	40,45	162,45
1897	16,40424	37,10	150,27
1960	16,40424	47,22	191,24
1897	16,68346	30,85	125,99
1960	16,68346	28,21	115,24
1897	16,96986	36,98	152,34
1960	16,96986	29,60	121,92
1897	17,26371	28,47	118,29
1960	17,26371	38,51	160,01
1897	17,56525	30,26	126,82
1960	17,56525	33,40	139,98
1897	17,87476	25,56	108,06
1960	17,87476	36,01	152,24

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E	ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1897	18,19253	31,97	136,35	1897	21,89654	68,51	320,57
1960	18,19253	32,71	139,51	1960	22,03896	40,00	187,79
1897	18,51885	34,64	149,08	1897	22,32799	28,97	136,88
1960	18,51885	33,38	143,64	1960	22,47465	30,91	146,55
1897	18,74130	35,49	153,62	1897	22,62275	30,67	145,88
1960	18,79753	38,93	168,79	1960	22,84766	34,78	166,25
1897	19,08256	41,31	180,46	1897	22,92338	41,97	200,97
1960	19,08256	43,66	190,73	1960	23,07595	45,87	220,35
1960	19,37411	39,17	172,41	1960	23,23004	67,29	324,34
1897	19,43322	48,34	213,11	1961	23,30767	92,29	445,56
1897	19,67240	45,14	200,20	1962	23,30767	96,00	463,47
1960	19,67240	49,30	218,65	1960	23,38569	120,57	583,06
1897	19,91602	58,21	259,76	1961	23,46410	183,36	888,21
1960	19,97763	62,24	278,20	1962	23,46410	166,81	808,01
1897	20,16419	74,66	335,24	1961	23,62211	428,08	2080,60
1960	20,16419	64,64	290,24	1962	23,62211	394,77	1918,66
1960	20,29002	83,47	375,99	1963	23,70243	1083,98	5277,38
1961	20,35338	103,10	465,14	1963	23,86309	1728,82	8445,28
1962	20,35338	98,40	443,92	1963	24,02540	1047,67	5135,23
1897	20,41703	106,72	482,24	1961	24,10582	554,79	2723,89
1960	20,41703	103,41	467,26	1962	24,10582	593,74	2915,14
1961	20,48098	125,70	568,89	1961	24,27037	240,24	1183,54
1962	20,48098	116,66	527,98	1962	24,27037	256,03	1261,33
1961	20,60980	145,26	659,44	1960	24,35327	138,22	682,12
1962	20,60980	160,69	729,49	1961	24,43660	122,31	604,60
1961	20,73983	196,61	895,37	1962	24,43660	127,01	627,85
1962	20,73983	190,10	865,72	1960	24,52036	84,68	419,31
1963	20,80195	237,56	1083,50	1897	24,85974	55,58	277,14
1961	20,87109	269,97	1233,35	1960	24,85974	45,83	228,51
1962	20,87109	266,39	1217,02	1897	25,20621	38,91	195,34
1963	20,93400	299,77	1371,57	1960	25,29396	31,65	159,16
1961	21,00360	345,89	1585,20	1897	25,55998	34,37	173,76
1962	21,00360	354,57	1624,99	1960	25,64958	26,83	135,86
1963	21,06732	347,08	1593,06	1897	25,92125	24,91	126,85
1961	21,13738	359,93	1654,78	1960	26,01276	28,43	144,98
1962	21,13738	374,67	1722,54	1897	26,29023	32,70	167,64
1963	21,20191	342,39	1576,56	1960	26,38370	26,14	134,26
1961	21,27245	300,03	1383,80	1897	26,66714	29,52	152,46
1962	21,27245	322,64	1488,10	1960	26,76264	30,69	158,75
1963	21,33780	199,00	919,24	1897	27,05222	46,24	240,50
1961	21,40881	204,17	944,70	1960	27,05222	54,64	284,21
1962	21,40881	214,30	991,56	1962	27,14980	63,27	329,65
1963	21,47500	170,95	792,20	1960	27,24790	81,77	426,86
1960	21,47748	152,66	707,51	1961	27,34653	116,41	608,76
1961	21,54649	131,20	609,01	1962	27,34653	98,96	517,52
1962	21,54649	148,96	691,44	1960	27,44570	174,23	912,78
1963	21,61353	114,98	534,53	1961	27,54542	280,04	1469,78
1960	21,61582	94,84	440,95	1962	27,54542	257,58	1351,85
1962	21,68549	94,61	440,57	1963	27,55278	324,77	1704,72
1960	21,75550	65,20	304,09	1961	27,74648	540,05	2844,71

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E	ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1962	27,74648	519,37	2735,79	1897	36,29694	19,90	119,87
1963	27,75422	532,16	2803,55	1960	36,29694	13,58	81,82
1961	27,94975	425,84	2251,29	1960	36,60132	17,57	106,27
1962	27,94975	466,48	2466,18	1897	36,90954	17,99	109,32
1963	27,95789	410,02	2167,97	1960	36,90954	16,77	101,91
1961	28,15526	170,82	906,42	1960	37,22167	14,94	91,12
1962	28,15526	189,75	1006,84	1897	37,53778	14,63	89,61
1963	28,16380	141,45	750,70	1960	37,53778	20,53	125,76
1960	28,25887	87,82	466,86	1960	37,85793	16,19	99,59
1961	28,36305	79,83	425,18	1897	38,18219	18,02	111,35
1962	28,36305	81,83	435,79	1960	38,18219	16,21	100,18
1960	28,46780	47,22	251,97	1960	38,51064	18,50	114,82
1897	28,67907	48,06	257,38	1897	38,84334	15,82	98,60
1960	28,89269	29,67	159,47	1960	38,84334	11,60	72,29
1897	29,10871	30,37	163,83	1960	39,18038	5,82	36,41
1897	29,54808	25,43	138,25	1897	39,52181	13,12	82,46
1960	29,73731	25,54	138,56	1960	39,52181	20,35	127,91
1960	29,88417	18,82	102,87	1960	39,86774	16,25	102,59
1897	29,99747	20,82	114,05	1897	40,21822	13,21	83,78
1960	30,34128	16,25	89,52	1960	40,21822	14,03	88,96
1897	30,45720	20,36	112,38	1960	40,57335	15,06	95,90
1960	30,80896	18,76	104,11	1897	40,93320	14,51	92,83
1897	30,92757	18,90	105,11	1960	40,93320	14,07	89,99
1960	31,28754	23,05	128,95	1960	41,29786	21,68	139,30
1897	31,40893	20,81	116,65	1897	41,66741	21,22	137,01
1960	31,77736	29,45	166,01	1960	41,66741	26,76	172,72
1897	31,90161	23,00	129,92	1960	42,04195	31,21	202,36
1960	32,27877	17,02	96,71	1897	42,42156	52,27	340,46
1897	32,40598	22,05	125,51	1960	42,42156	43,11	280,81
1960	32,79214	17,11	97,99	1961	42,61329	72,34	472,23
1897	32,92240	13,83	79,36	1962	42,61329	66,78	435,94
1960	33,31786	19,12	110,34	1960	42,80633	111,27	728,01
1897	33,45126	19,44	112,41	1961	43,00060	232,80	1527,10
1960	33,72049	28,88	167,68	1962	43,00068	204,45	1340,69
1960	33,99298	57,62	335,96	1963	43,24360	557,46	3665,83
1961	34,13046	83,41	487,28	1963	43,64023	442,24	2921,45
1962	34,13046	80,16	468,32	1961	43,79148	274,84	1818,72
1963	34,29088	146,61	858,54	1962	43,79148	305,15	2019,35
1961	34,40794	161,48	947,19	1960	43,99259	108,12	717,11
1962	34,40794	163,65	959,97	1961	44,19509	95,84	637,14
1963	34,57075	127,12	747,42	1962	44,19509	100,59	668,72
1961	34,68882	116,67	687,15	1960	44,39899	38,13	254,04
1962	34,68882	125,17	737,22	1897	44,81104	48,69	325,91
1960	34,83055	56,78	335,09	1960	44,81104	25,53	170,88
1962	34,97316	47,40	280,30	1960	45,22886	26,63	179,08
1960	35,11663	24,75	146,66	1897	45,65255	24,11	162,93
1960	35,40626	25,29	150,50	1960	45,65255	26,65	180,09
1897	35,69947	19,61	117,18	1960	46,08221	20,32	137,96
1960	35,69947	10,47	62,58	1897	46,51798	22,99	156,79
1960	35,99635	15,19	91,13	1960	46,51798	21,88	149,24

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1960	46,95995	28,44	194,87
1897	47,40825	41,70	287,12
1960	47,40825	44,66	307,49
1960	47,86301	79,61	550,80
1897	48,32433	51,56	358,44
1960	48,32433	51,76	359,81
1960	48,79236	24,01	167,68
1897	49,26723	29,20	204,92
1960	49,26723	28,90	202,87
1960	49,74905	24,29	171,34
1897	50,23799	17,06	120,93
1960	50,23799	17,47	123,86
1960	50,73416	24,29	173,00
1897	51,23772	18,53	132,65
1960	51,23772	17,12	122,51
1960	51,74882	22,54	162,15
1897	52,26760	53,31	385,42
1960	52,26760	68,27	493,56
1961	52,52992	101,23	733,71
1962	52,52992	92,06	667,26
1960	52,79422	113,76	826,58
1961	53,06052	124,84	909,38
1962	53,06052	130,55	950,96
1897	53,32884	71,52	522,30
1960	53,32884	67,45	492,54
1962	53,59921	64,89	475,09
1960	53,87163	31,86	233,86
1897	54,42274	34,31	253,14
1960	54,42274	22,10	163,07
1960	54,98235	10,44	77,44
1897	55,55064	20,95	156,15
1960	55,55064	16,64	124,02
1960	56,12779	22,07	165,33
1897	56,71398	15,12	113,83
1960	56,71398	12,07	90,88
1960	57,30939	19,85	150,24
1897	57,91424	15,70	119,50
1960	57,91424	19,16	145,79
1960	58,52871	13,88	106,19
1897	59,15301	26,63	204,81
1960	59,15301	31,71	243,86
1960	59,78735	50,42	389,87
1897	60,43196	35,33	274,64
1960	60,43196	35,03	272,34
1960	61,08704	21,31	166,59
1897	61,75284	23,97	188,38
1960	61,75284	17,37	136,53
1960	62,42957	13,79	108,96
1897	63,11750	16,75	133,04
1960	63,11750	16,89	134,16

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1960	63,81685	19,06	152,24
1897	64,52790	23,38	187,77
1960	64,52790	13,18	105,89
1960	65,25090	14,12	114,02
1897	65,98611	17,37	141,13
1960	65,98611	23,07	187,37
1960	66,73382	21,94	179,21
1897	67,49432	15,05	123,66
1960	67,49432	14,79	121,53
1960	68,26789	15,28	126,22
1897	69,05483	21,30	177,00
1960	69,05483	19,21	159,62
1960	69,85546	19,78	165,33
1897	70,67009	23,70	199,22
1960	70,67009	22,87	192,28
1960	71,49906	21,38	180,81
1897	72,34270	45,03	383,03
1960	72,34270	33,77	287,23
1961	72,77013	49,75	424,43
1962	72,77013	49,87	425,42
1960	73,20136	84,97	727,02
1961	73,63643	144,20	1237,43
1962	73,63643	123,98	1063,86
1960	74,07540	219,65	1890,47
1961	74,51830	378,68	3268,87
1962	74,51830	349,60	3017,90
1963	75,14488	622,99	5400,44
1961	75,41610	461,86	4010,86
1962	75,41610	487,95	4237,51
1963	76,05545	311,92	2720,28
1961	76,33023	217,12	1896,94
1962	76,33023	238,26	2081,65
1960	76,79354	95,68	838,45
1961	77,26107	78,12	686,66
1962	77,26107	86,45	759,90
1960	77,73290	41,20	363,24
1960	78,68960	31,73	281,46
1897	79,66407	33,16	295,99
1960	79,66407	30,51	272,28
1960	80,65676	10,22	91,80
1897	81,66812	23,08	208,61
1960	81,66812	18,61	168,21
1960	82,69863	20,58	187,20
1897	83,74876	20,97	191,90
1960	83,74876	14,19	129,84
1960	84,81902	15,72	144,73
1897	85,90993	16,31	151,16
1960	85,90993	21,78	201,83
1960	87,02202	20,53	191,52
1897	88,15584	15,15	142,24

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E	ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1960	88,15584	8,97	84,25	1961	126,61533	62,57	704,05
1960	89,31197	14,77	139,56	1962	126,61533	63,65	716,19
1897	90,49100	16,13	153,43	1960	127,60645	77,59	876,45
1960	90,49100	11,54	109,81	1961	128,60924	117,03	1327,24
1960	91,69352	10,80	103,39	1962	128,60924	108,46	1229,95
1897	92,92018	13,89	133,91	1963	130,15606	265,82	3032,63
1960	92,92018	17,40	167,72	1962	130,65063	168,15	1922,05
1960	94,17161	14,84	144,00	1961	132,74100	78,05	899,28
1897	95,44850	16,92	165,29	1962	132,74100	88,60	1020,84
1960	95,44850	17,55	171,48	1960	133,80506	49,69	574,74
1960	96,75154	22,20	218,41	1897	135,97190	40,39	471,00
1897	98,08144	13,94	138,10	1960	135,97190	20,81	242,66
1960	98,08144	12,55	124,33	1960	138,19182	14,02	164,80
1960	99,43895	22,10	220,38	1897	140,46654	43,47	515,24
1897	100,82485	19,14	192,19	1960	140,46654	39,34	466,21
1960	100,82485	15,47	155,37	1961	141,62502	71,46	850,37
1960	102,23991	37,72	381,41	1962	141,62502	72,01	856,99
1897	103,68498	40,83	415,72	1960	142,79790	104,72	1251,33
1960	103,68498	45,25	460,71	1963	143,43471	170,05	2036,58
1960	105,16091	58,20	596,84	1961	143,98540	151,02	1812,16
1961	105,91072	80,42	827,65	1962	143,98540	156,94	1883,14
1962	105,91072	64,65	665,28	1961	146,40528	85,91	1039,46
1960	106,66857	96,33	994,87	1962	146,40528	91,27	1104,36
1961	107,43459	170,52	1767,49	1960	147,63816	54,87	666,65
1962	107,43459	164,95	1709,73	1897	150,15111	53,87	660,10
1963	108,58645	291,93	3042,10	1960	150,15111	45,84	561,65
1961	108,99159	240,45	2510,33	1960	152,72876	53,14	656,69
1962	108,99159	235,33	2456,81	1897	155,37336	55,24	688,58
1963	110,17105	171,92	1804,46	1960	155,37336	54,74	682,27
1961	110,58269	117,28	1233,31	1962	156,72150	72,52	907,85
1962	110,58269	124,04	1304,36	1962	159,47095	102,47	1293,95
1960	111,39134	49,89	526,56	1962	162,29339	51,87	660,79
1961	112,20888	54,22	574,37	1960	163,73279	35,70	456,80
1962	112,20888	55,85	591,60	1097	166,66964	35,50	458,31
1897	113,03547	66,14	703,23	1960	166,66964	22,47	290,03
1960	113,03547	60,71	645,41	1960	169,68623	26,78	348,80
1961	113,87122	85,34	910,66	1897	172,78545	30,43	399,96
1962	113,87122	74,86	798,84	1960	172,78545	23,37	307,18
1960	114,71627	64,74	693,37	1960	175,97037	30,06	398,79
1961	115,57076	66,43	714,19	1897	179,24417	32,40	433,76
1962	115,57076	70,81	761,19	1960	179,24417	28,41	380,40
1897	116,43484	37,00	399,28	1960	182,61018	34,81	470,46
1960	116,43484	30,48	328,85	1960	186,07191	71,18	970,92
1960	118,19232	18,80	204,37	1961	187,83981	90,77	1244,04
1897	119,98990	26,66	292,05	1962	187,83981	88,42	1211,79
1960	119,98990	20,79	227,70	1963	190,69558	116,79	1612,83
1960	121,82880	18,84	207,97	1961	191,45203	111,92	1548,63
1897	123,71030	36,80	409,26	1962	191,45203	118,12	1634,44
1960	123,71030	26,78	297,89	1961	195,16945	66,52	929,24
1960	125,63572	52,35	586,81	1962	195,16945	66,14	924,06

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E	ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1960	197,06890	37,72	529,52	1960	414,73993	32,47	661,34
1897	200,95194	43,83	621,31	1897	426,67428	36,42	752,24
1960	200,95194	32,86	465,89	1960	426,67428	37,24	769,14
1960	204,95089	27,29	390,68	1960	439,13127	41,17	862,65
1897	209,07040	23,77	343,67	1897	452,14186	40,89	869,37
1960	209,07040	29,53	426,92	1960	452,14186	37,81	804,01
1960	213,31537	34,20	499,53	1960	465,73936	29,40	634,55
1897	217,69096	34,25	505,34	1897	479,95959	34,04	745,76
1960	217,69096	36,69	541,32	1960	479,95959	28,05	614,44
1960	222,20257	28,61	426,46	1960	494,84118	31,52	701,07
1897	226,85590	23,82	358,71	1897	510,42578	31,89	720,46
1960	226,85590	31,01	467,02	1960	510,42578	35,73	807,25
1960	231,65695	12,55	190,94	1960	526,75838	21,55	494,65
1897	236,61204	25,75	396,11	1897	543,88761	26,22	611,46
1960	236,61204	25,75	396,03	1960	543,88761	26,42	616,20
1960	241,72783	23,09	358,93	1960	561,86616	22,52	533,83
1960	247,01134	25,58	402,03	1897	580,75111	32,13	774,29
1962	249,71829	32,66	516,09	1960	580,75111	29,09	701,15
1960	252,46999	54,35	863,57	1960	600,60442	30,57	749,14
1961	255,26742	81,88	1308,28	1897	621,49345	28,25	704,36
1962	255,26742	85,93	1372,96	1960	621,49345	33,23	828,44
1961	261,00359	89,97	1453,59	1960	643,49153	33,91	860,31
1962	261,00359	95,86	1548,61	1897	666,67857	34,51	891,02
1960	263,94445	54,82	890,65	1960	666,67857	36,19	934,45
1962	266,93530	50,24	820,78	1960	691,14182	26,64	700,28
1960	269,97727	33,38	548,47	1897	716,97668	25,58	684,91
1960	276,21931	30,48	506,56	1960	716,97668	27,11	725,90
1897	282,68037	29,00	487,61	1960	744,28764	32,83	895,55
1960	282,68037	23,65	397,58	1897	773,18935	28,50	792,57
1960	289,37079	23,17	394,12	1960	773,18935	28,57	794,49
1897	296,30159	26,41	454,57	1960	803,80776	21,56	611,21
1960	296,30159	29,84	513,57	1897	836,28159	24,02	694,55
1960	303,48439	34,75	605,43	1960	836,28159	25,68	742,74
1897	310,93159	30,87	544,25	1960	870,76385	21,11	622,96
1960	310,93159	37,82	666,84	1897	907,42361	23,39	704,47
1960	318,65630	46,55	830,88	1960	907,42361	20,69	623,39
1897	326,67250	38,31	692,49	1960	946,44817	23,89	734,97
1960	326,67250	38,20	690,44	1897	988,04536	26,40	829,95
1960	334,99503	40,07	733,46	1960	988,04536	27,73	871,68
1897	343,63971	40,32	747,44	1960	1032,44641	26,27	844,10
1960	343,63971	40,17	744,59	1897	1079,90909	27,04	888,67
1960	352,62337	43,07	808,84	1960	1079,90909	27,59	906,76
1897	361,96399	31,00	589,78	1960	1130,72147	33,19	1116,21
1960	361,96399	19,33	367,79	1897	1185,20634	24,98	859,82
1960	371,68071	15,06	290,30	1960	1185,20634	23,05	793,71
1897	381,79401	24,55	479,60	1960	1243,72635	26,50	934,51
1960	381,79401	27,79	542,96	1897	1306,68999	28,12	1016,52
1960	392,32576	26,89	532,68	1960	1306,68999	24,45	883,88
1897	403,29938	26,97	541,71	1960	1374,55884	24,40	904,47
1960	403,29938	18,75	376,63	1897	1447,85594	29,40	1118,55

ID	ENERGY (EV)	SIGMA (BARNs)	SIGMA ROOT E
1960	1447,85594	23,39	889,88
1960	1527,17604	29,64	1158,12
1897	1613,19753	28,39	1140,15
1960	1613,19753	26,18	1051,49
1960	1706,69713	19,97	825,08
1897	1808,56746	26,23	1115,54
1960	1808,56746	21,65	920,52
1960	1919,83838	23,18	1015,47
1897	2041,70313	22,57	1019,62
1960	2041,70313	24,11	1089,45
1960	2175,55045	26,95	1257,15
1897	2323,00443	28,55	1375,84
1960	2323,00443	22,71	1094,35
1960	2485,97382	27,23	1357,61
1897	2666,71426	26,04	1344,52
1960	2666,71426	17,57	907,57
1960	2867,90671	20,35	1089,65
1897	3092,75739	18,01	1001,43
1960	3092,75739	23,62	1313,57
1960	3345,12637	16,77	970,20
1897	3629,69443	24,26	1461,68
1960	3629,69443	24,62	1483,14
1960	3952,18146	20,37	1280,31
1897	4319,63635	26,69	1754,29
1960	4319,63635	20,60	1354,02
1960	4740,82538	21,36	1470,49
1960	5226,75995	15,02	1085,68
1960	5791,42377	16,81	1279,52
1960	6452,79010	22,19	1782,86
1960	7234,26984	19,73	1677,76
1960	8166,81250	22,67	2048,32
1960	9292,01770	22,09	2129,44