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COMPILATION OF DOUBLY DIFFERENTIAL CROSS SECTIONS
AND THE SCATTERING LAW FOR H_2O AND D_2O AT $299^\circ K$
AND FOR H_2O AT $268^\circ K$

O. K. HARLING

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By

O. K. Harling

Nuclear Experiments and Analysis Section
Reactor Physics Department

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COMPILATION OF DOUBLY DIFFERENTIAL CROSS SECTIONS
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AND FOR H_2O AT 268 °K

O. K. Harling

INTRODUCTION

This report contains a compilation of slow neutron inelastic scattering cross sections for room temperature H_2O and D_2O and for H_2O at five degrees below its freezing point. The double differential cross section and, from these, the Egelstaff scattering law⁽¹⁾ have been obtained from measurements using the Battelle Rotating Crystal time-of-flight spectrometer.⁽²⁾ Experimental conditions were designed to provide cross sections over a wide range of energy and momentum transfer space. Maximum energy transfers, by downscattering of 0.6, 0.21 and 0.6 eV with wave vector ($\vec{k} = \vec{P}/\hbar$) transfers up to 32, 9.5 and $32\text{\AA}^{-1}$ were used, respectively, with H_2O , D_2O , and light ice. Such an extensive grid is required to accurately represent the scattering kernel for reactor thermalization calculations and for the derivation of a generalized frequency distribution,⁽³⁾ which is useful in understanding the dynamics and structure of the scatterer.

Inelastic differential scattering studies have been reported previously for room temperature water^(4, 5, 6, 7, 8) and D_2O ^(5, 9, 10). Ice has also been studied⁽¹¹⁾ previously by upscattering of cold neutrons. The energy and momentum transfer range of the measurements reported here overlaps and extends to considerably higher transfer values than all previously reported work except the room temperature water scattering reported in Reference 6 and 8, which was done with an electron linac source. The present measurements were made with adequate energy resolution to resolve both the bending⁽¹²⁾ and stretching modes of the water molecule in the liquid and solid phases, as well as the hindered rotation band in the solid. Interpretations of these compiled cross sections including the derivation of generalized frequency spectra will be published elsewhere.

EXPERIMENTAL TECHNIQUE

The Battelle Rotating Crystal Spectrometer (RXS) was used to provide a small time and energy width burst of slow neutrons on the sample. Time-of-flight (TOF) detectors located around the sample at scattering angles ranging from 15 to 165° were used to record the TOF spectra of scattered neutrons. Nine or ten detectors were normally used simultaneously to cover the above angular range. Time-of-flight detectors consisted of banks of five, 1 x 10 in., 2 atm $^{10}\text{BF}_3$ counter tubes for the 1 m analyzing flight path and banks of five, 1 x 15 in., 8 atm ^3He counter tubes for the 1.5 m flight path. A detailed description of the RXS is given in Reference 2.

Thin-sample holders for D_2O and H_2O were constructed by stretching two, 0.025 cm-thick high-strength anodized aluminum alloy windows in a rectangular frame. A spacer located between and near the edges of the windows defined the sample thickness. Good sample thickness uniformity was attained in the construction used. For all H_2O measurements except at $E_0 = 0.6$ eV, a rectangular sample 8.9 cm wide by 11.4 cm high by 0.031 cm thick was used. Maximum variation in thickness from corner to center for all water targets was ~ 0.0025 cm. For the 0.6 eV water scattering run, a 7.6 x 15.24 x 0.086 cm sample was utilized. All D_2O measurements were made with a 7.6 x 15.24 x 0.158 cm sample. The ice sample holder consisted of an aluminum plate, which was 0.158 cm thick over the area of the neutron beam and was conduction cooled by cold alcohol circulating in tubes around the edge of the plate. A 7.6 x 15.24 cm layer of ice was built up slowly by allowing thin layers of water to freeze out on the backing plate. The final thickness was adjusted by scraping with a straight edge. An ice thickness of ~ 0.038 cm was used with 0.15 and 0.30 eV incident neutrons. Measurements at 0.60 eV on ice were made with ~ 0.089 and ~ 0.038 cm-thick samples. The ice target and holder was insulated and operated in dry air to prevent further condensation of water and buildup of frost. Although the thickness of the ice layer was not accurately measured directly, the consistency of neutron transmission from one experiment to the next

indicated that the sample maintained its average thickness to an accuracy of ~10%. Cadmium was used to cover the edges of all sample holders although these were never in the incident beam.

Samples were positioned at 45° to the incident beam direction. A 9 cm high by 3.8 cm wide incident beam was used for most measurements. High purity H₂O (triple distilled) and D₂O (99.67% D₂O, remainder H₂O) were used to fill the sample holders. A small amount of a heavy ether wetting agent⁽¹³⁾ was added to the water samples to insure uniform filling. Ultrasonic testing techniques had indicated the presence of voids or air bubbles in water films not treated with the wetting agent. Only 1 to 2 1/2 parts heavy ether to 10⁴ parts of water by weight were required to significantly improve film uniformity. Transmissions for these samples ranged from 91 to 93.5% for all experiments except the 0.6 eV H₂O and ice measurements. Due to the greatly reduced counting rates available from the reactor source and the desire to maintain a good energy resolution, a target transmission of ~82% was used for the room temperature H₂O experiment while samples with transmissions of ~75 and 90% were used in the ice experiments.

Vanadium scattering experiments or a PuBe source were used to determine the relative sensitivities of the TOF counters. The net counts in the scattered neutron TOF spectra were used to calculate the double differential cross sections using Equation 1.

$$\frac{\partial^2 \sigma}{\partial \Omega \partial E} (E_o \rightarrow E_i, \theta) = \frac{CR_{ij}}{I_o N \Delta E_i k_j \Delta \Omega \epsilon(E_i)} \quad (1)$$

where CR_{ij} are the net neutron counts in the jth detector and ith time channel, I_o are the number of incident neutrons of energy E_o, N the number of target atoms per square centimeter, ΔE_i is the energy interval covered by the ith channel, k_j is the relative efficiency of the jth counter, ΔΩ is the solid angle of a scattering detector (it can be determined from vanadium scattering experiments), and ε(E_i) is the TOF detector efficiency for neutrons of energy E_i.

The net counts in Equation 1 are found by subtracting the TOF spectra obtained with an empty sample holder measurement from the counts obtained with a filled sample holder. Counts are normalized to the integrated beam intensities before combination. A correction is also made for the sample transmission. For all experiments an additional background subtraction was made to correct for time-uncorrelated neutrons which were incoherently scattered from the rotating crystal. This correction was small except near the largest possible energy transfers for a given experiment. As explained in Reference 2, this correction can be made by dephasing the rotating crystal so that it is out of Bragg when the neutrons from the chopper reach it.

The computer program used to evaluate Equation 1 can be used to normalize the partial cross sections to a known total scattering cross section. The program also calculates the average cross section for any chosen interval in downscattered energy. This calculation takes into account the finite spectrometer resolution and the counting statistics. From the partial cross sections a quantity $S(\alpha, \beta)$ called the scattering law^(1, 14) is calculated. This is defined in Equation 2,

$$S(\alpha, \beta) = \frac{d^2\sigma}{d\Omega dE} \frac{4\pi kT}{\sigma_b} \left(\frac{E_o}{E_1} \right)^{1/2} e^{\beta/2} \quad (2)$$

$$\alpha = \frac{(\Delta\bar{P})^2}{2MkT} = \frac{m[E_o + E_1 - 2(E_o E_1)^{1/2} \cos \theta]}{MkT}$$

$$\beta = \frac{E_1 - E_o}{kT}$$

where E_o is the initial neutron energy, E_1 the final neutron energy, θ is the scattering angle, σ_b is the bound atom cross section of the principal scattering atom, k is Boltzmann's constant, T is the absolute temperature of the sample, m is the neutron mass, M is the mass of the principal scattering atom (either the proton or deuteron), and $\Delta\bar{P}$ is the momentum transferred in the scattering. Use of $S(\alpha, \beta)$ facilitates comparison between various experiments. In this representation the scattering properties of the sample can be characterized by a function of two variables α and β rather than three E_o , E_1 , and θ .

The energy resolutions and other operating conditions, used to obtain the cross sections given in this report, are presented in Table I. In the first column is listed the table number in which the results are presented; this is followed by the sample, the monochromating crystal used, the type of TOF counters, and the flight path. The next three columns give the mean incident neutron energy, the spread in energy, and fractional spread in energy for the incident beam. Columns 5 and 6 give the time width of the incident neutron pulse at the sample and the resolution for elastic scattering. The resolution for a downscattered neutron energy of $E_1 = E_0/2$ is given in Column 7. All resolution elements except the uncertainty in path lengths from sample to TOF detector have been incorporated in this value. For the smallest scattering angles, e.g., 15° , this element is unimportant and the $\Delta E_1/E_1$ gives the entire resolution. Column 8 lists the resolution on energy change for $\epsilon = E_0/2$.

RESULTS

Values of partial differential cross sections $\frac{\partial^2 \sigma}{\partial \Omega \partial E}$ and the scattering law $[S(\alpha, \beta)]$ for room temperature H_2O , D_2O , and frozen H_2O are given in Tables II through XIII. The title on each table lists the sample, sample temperature accurate to $\sim \pm 1^\circ K$, the incident neutron energy, and the sample transmission. For each reduced energy transfer value, $BETA = \beta$, there is listed an $ALPHA = \alpha$ value corresponding to the detector scattering angle and values of, $SIGPAR = \partial^2 \sigma / \partial \Omega \partial E$, $S = S(\alpha, \beta)$, $S/ALPHA = S(\alpha, \beta)/\alpha$ along with the standard deviations which are obtained from counting statistics only. The partial cross sections, with the exception of the results for $E_0 = 0.4$ and 0.6 eV, have been normalized to the total scattering cross section as found in BNL-325, 1958 and 1964 editions. These high energy scattering measurements were normalized to give the best fit to the lower E_0 measurements of the S function. Agreement in the overlap region of β values from -4 to -9 was emphasized.

To provide good agreement in this overlap region, the room temperature water results for initial energies of 0.404 and 0.608 eV were normalized to total cross sections of 30.3 and 29.3 b, respectively. Results for the 0.616 eV ice experiments were normalized to total cross

sections of 28 b for the thick sample and 22.7 b for the thin sample. These total cross sections range from 2 to 30% higher than values given in BNL-325. However, this type of normalization, for the high energy experiments, seemed the least unsatisfactory since one of the main uses to be made of the S function was in the derivation of generalized frequency spectra. For other uses it may be more appropriate to renormalize the partial cross sections to the accepted values for the total scattering cross sections. Multiple scattering may be a significant factor in this normalization problem. For example the partial cross sections, obtained with the thin ice sample using neutrons of 0.616 eV, gave $S(\alpha, \beta)$ values in good agreement with S values found in low energy experiments. These $S(\alpha, \beta)$ values resulted when the partial cross sections were normalized to a total cross section only 2% higher than the BNL-325 value for H_2O at 0.616 eV.

To reduce uncertainties in the reliability of the results, several independent experiments have usually been carried out for each sample and incident energy. Some of these separate experiments have been combined, after careful comparison, to provide results with better statistical precision and to reduce the volume of separate cross section information. In some cases, differences in energy resolution or other experimental conditions make combination undesirable and, for these cases, results are presented separately. For example, the results in Tables II and III were obtained by combining two separate scattering experiments in each case. Tables III and IV both give results for H_2O and an E_0 of ~ 0.303 eV, but they have not been combined due to the different resolutions used.

The cross sections and scattering laws compiled here are subject to several sources of error. The known errors are statistical, spectrometer resolution, and multiple scattering. Errors due to counting statistics only are tabulated with the S, S/α , and cross section values. Spectrometer resolution tends to smooth any structure narrower than the resolution function. No resolution corrections have been applied to the data. Resolution effects strongly distort the energy transfer region near the quasielastic peak. In spite of this, results have been included for this region of β . Generally speaking the best energy resolution for a given β is obtained in the experiment

with the lowest E_0 subject to the condition that $E_0 > \beta kT$. Enough overlap has been planned for in the various scattering experiments so that the most of the β range has been covered with a resolution on energy change of less than $\sim 10\%$. In Figure 1, for example, the resolution in the H_2O experiment (with $E_0 = 304$ meV at $\beta = 8$) is 11 meV on $E_1 = 98$ meV and 13 meV on $(E_0 - E_1) = 206$ meV. It is clear from the figure that this resolution is adequate to resolve the vibration peak in the H_2O molecule which is attributable to the bending mode of motion. The results are also subject to errors from multiple scattering. This effect tends to smooth out the structure in the scattering distributions and makes the distributions more isotropic. The greatest multiple scattering probability can be expected for those scattering angles where the scattered neutron must traverse the longest path in the sample and where the cross section for the scattered neutron is highest. Thus it is expected that, for the smallest outgoing energies and for the scattering angles near 0° , 90° , and 180° , this effect will be a maximum. No corrections have been made for multiple scattering. However, due to the high target transmissions used at all but the highest incident energy, it is expected that this effect will generally be small. Furthermore, if in using these results the above remarks are borne in mind, cross sections can be chosen from the overlapping experiments so that this error is minimized.

Scattering law results obtained from the previously cited references are compared with the present measurements in Figures 2 and 3. For D_2O , Figure 2, only the data of Haywood⁽¹⁰⁾ are available. His results, which were obtained with a phased chopper, are plotted as hollow circles and represent the "best line" fit to his data. The continuous curve drawn through the solid points is a best fit by eye representing present results. Agreement with Haywood's data is within statistics near the peak of the S curves in the range of $2 \lesssim \alpha \lesssim 4$. At the lowest α values, Haywood's results seem to be systematically lower than the present measurements. If this occurred only for the $\beta = -1.0$ curve, one might attribute it to differences in energy resolution at small energy transfers. Haywood's measurements with an E_0 of 39 meV would be less influenced by the finite

broadening of the quasielastic peak than the present results, where the lowest E_0 was 100 meV. However, the systematic difference continues at $\beta = -2$ and -3 where resolution on E_0 is certainly no problem.

A comparison between the S values given in this report for room temperature H_2O and those previously published in References 4, 5, and 6 is shown in Figure 3. The solid curve again represents a best fit by eye to the present results. Curves are given for $\beta = -3$, -8 , and -18 , which correspond to regions of energy transfer centered near well known peaks in the frequency spectrum of liquid water. Error bars shown are due to statistical error only. Agreement between the various sets of data at $\beta = -3$ is good except at the lower α values, where the present results are systematically higher than the general trend of the other measurements. For this energy transfer range the water samples used in the cited references were generally about twice as thick as the ones used in the present work. Therefore it is possible that some of this discrepancy is due to differences in multiple scattering.

At $\beta = -8$ the 3 axis crystal spectrometer results of Kottwitz and Leonard⁽⁴⁾ are significantly higher than the present measurements. However the scatter of their values is also considerably larger than for the results obtained with the RXS. The electron linear accelerator measurements of Kirouac et al⁽⁶⁾ lie somewhat lower than the present results. Whether or not these differences are significant in view of reasonably expected errors in absolute cross sections, is difficult to say.

At $\beta = -18$ only the linac data of Kirouac is available for comparison with the RXS measurements. The most obvious difference between Kirouac's results and the present ones is the shape of the S function. The linac results show a narrower peak falling away more rapidly at small and large α values. For β values in this range, the sample thickness used for the RXS measurements were almost twice as thick as that used for the linac results. Also, the RXS cross sections show a pronounced peak, due to the H_2O stretching

vibrations, in the $\beta = -18$ range at low momentum transfers. This peak in the RXS cross sections would decrease the slope of the S curves at low α values. The thicker samples used for the RXS results, for this energy transfer region, would also decrease the slope of the S curves relative to the linac results, but at large α values.

The cross sections and S values for ice have considerably sharper structure than the liquid results. This structure makes it difficult to compare $S(\alpha, \beta)$ values which are obtained from experiments with different energy resolutions. For example, if the S functions are plotted for the 0.15 and 0.30 eV experiments considerable disagreement is found for the β region corresponding to the narrowed rotation peak. This should be born in mind when the results presented in this report are used. The safest procedure will probably be to use the results from the lowest energy experiment which provides results for the desired β range. Previous neutron scattering work⁽¹¹⁾ on ice includes the cold neutron up-scattering results by Larsson. The qualitative features of the scattering in the region of the hindered rotation peak are similar to the present results. Published results on the scattering law for light ice, are not available for the range of α and β covered in this study. Therefore no comparisons could be made.

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FIGURE 1. Double Differential Scattering Cross-Section for Water and Ice Measured at $15 \text{ }^{\circ}\text{K}$ with an Initial Energy of 0.304 eV

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FIGURE 2. A Comparison of Scattering Law Results for D₂O at 299 °K

Neg 0670758-1

FIGURE 3. A Comparison of Scattering Law Results for 299 °K at Selected β Values

TABLE I. Neutron Energy Resolutions

Scattering Experiment	E_0 eV	ΔE_0 eV	$\Delta E_0/E_0$	Δt_0 μsec	$\Delta t_0/t_0$	$\Delta E_1/E_1$	$\Delta \epsilon/\epsilon$
Table II, H ₂ O, Cu(220), BF ₃ counters, 1.0 m flight path	0.1515	0.0022	0.0144	12.0	0.065	0.10	0.10
Table III, H ₂ O, Cu(220), BF ₃ counters, 1.0 m flight path	0.303	0.0065	0.213	10.2	0.78	0.13	0.14
Table IV, H ₂ O, Al(220), He ³ counters, 1.5 m flight path	0.304	0.0073	0.24	9.0	0.45	0.94	0.11
Table V, H ₂ O, Al(220), He ³ counters, 1.5 m flight path	0.404	0.011	0.28	8.7	0.056	0.011	0.11
Table VI, H ₂ O, Al(220), He ³ counters, 1.5 m flight path	0.608	0.021	0.034	7.5	0.054	0.12	0.14
Table VII, D ₂ O, Cu(220), BF ₃ counters, 1.0 m flight path	0.213	0.0038	0.018	10.8	0.070	0.11	0.12
Table VIII, D ₂ O, Al(220), He ³ counters, 1.5 m flight path	0.101	0.00134	0.0133	11.0	0.032	0.060	0.07
Table IX, D ₂ O, Al(220), He ³ counters, 1.5 m flight path	0.213	0.0042	0.020	10.1	0.043	0.076	0.09
Table X, Ice, Al(220), He ³ counters, 1.5 m flight path	0.1515	0.0025	0.0165	11.4	0.040	0.076	0.08
Table XI, Ice, Al(220), He ³ counters, 1.5 m flight path	0.304	0.0073	0.024	9.6	0.049	0.095	0.11
Table XII, Ice, Al(220), He ³ counters, 1.5 m flight path	0.616	0.021	0.034	7.5	0.054	0.12	0.14
Table XIII, Ice, Al(220), He ³ counters, 1.5 m flight path	0.616	0.021	0.034	7.5	0.054	0.12	0.14

E_0 is incident energy, ΔE_0 energy width of incident beam, t_0 is the time-of-flight from sample to detector for neutrons of initial energy, Δt_0 is the time width of the incident beam at the sample, $\Delta E_1/E_1$ is the energy resolution for downscattered neutrons at the TOF detectors and includes all resolution elements except path length uncertainties which are a function of scattering angle and are usually much smaller than the other elements, E_1 is chosen equal to $E_0/2$ in each case, ϵ is the change in energy $E_0 - E_1$, and $\Delta \epsilon/\epsilon$ is the resolution on measuring energy change.

TABLE II. H₂O, Cu(220), BF₃ counters, 1.0 m flight path

BETA = 4.00+00									
ALPHA	1.05+00	2.85+00	7.46+00	1.13+01	1.56+01	1.98+01	2.47+01	2.85+01	3.08+01
SIGPAR	6.89-25	9.40-25	8.59-25	6.49-25	3.62-25	1.91-25	3.60-25	4.58-25	2.00-25
ST. DEV.	1.01-25	9.42-26	1.02-25	9.05-26	8.09-26	1.13-25	1.11-25	1.05-25	1.04-25
S	1.56-02	2.13-02	1.95-02	1.47-02	8.20-03	4.33-03	8.16-03	1.04-02	4.54-03
ST. DEV.	2.28-03	2.14-03	2.32-03	2.05-03	1.83-03	2.55-03	2.51-03	2.38-03	2.36-03
S/ALPHA	1.49-02	7.46-03	2.61-03	1.30-03	5.26-04	2.18-04	3.31-04	3.64-04	1.48-04
ST. DEV.	2.18-03	7.48-04	3.11-04	1.81-04	1.18-04	1.29-04	1.02-04	8.37-05	7.69-05
BETA = 3.50+00									
ALPHA	9.22-01	2.68+00	7.17+00	1.10+01	1.51+01	1.92+01	2.40+01	2.77+01	2.99+01
SIGPAR	1.10-24	1.40-24	1.11-24	7.40-25	6.24-25	1.17-25	2.46-25	5.72-25	2.42-25
ST. DEV.	1.11-25	1.08-25	1.14-25	1.05-25	9.26-26	1.29-25	1.22-25	1.16-25	1.13-25
S	1.99-02	2.54-02	2.02-02	1.34-02	1.13-02	2.12-03	4.46-03	1.04-02	4.39-03
ST. DEV.	2.02-03	1.96-03	2.06-03	1.90-03	1.68-03	2.34-03	2.20-03	2.10-03	2.05-03
S/ALPHA	2.16-02	9.47-03	2.81-03	1.22-03	7.50-04	1.10-04	1.86-04	3.75-04	1.47-04
ST. DEV.	2.19-03	7.31-04	2.88-04	1.74-04	1.11-04	1.22-04	9.18-05	7.60-05	6.86-05
BETA = 3.00+00									
ALPHA	8.08-01	2.52+00	6.89+00	1.06+01	1.46+01	1.86+01	2.32+01	2.68+01	2.90+01
SIGPAR	1.57-24	1.99-24	1.78-24	1.29-24	9.50-25	5.35-25	3.82-25	5.06-25	1.58-25
ST. DEV.	1.19-25	1.19-25	1.29-25	1.19-25	1.07-25	1.43-25	1.35-25	1.22-25	1.15-25
S	2.27-02	2.89-02	2.58-02	1.87-02	1.38-02	3.21-03	5.54-03	7.34-03	2.30-03
ST. DEV.	1.72-03	1.72-03	1.87-03	1.72-03	1.55-03	2.07-03	1.96-03	1.77-03	1.66-03
S/ALPHA	2.81-02	1.14-02	3.74-03	1.76-03	9.44-04	4.94-04	2.39-04	2.74-04	7.93-05
ST. DEV.	2.13-03	6.83-04	2.71-04	1.63-04	1.06-04	1.11-04	8.44-05	6.61-05	5.73-05
BETA = 2.50+00									
ALPHA	7.06-01	2.37+00	6.61+00	1.02+01	1.41+01	1.80+01	2.25+01	2.60+01	2.81+01
SIGPAR	2.08-24	3.15-24	2.94-24	2.10-24	1.34-24	1.27-24	6.24-25	5.48-25	2.68-25
ST. DEV.	1.26-25	1.40-25	1.40-25	1.26-25	1.16-25	1.49-25	1.43-25	1.27-25	1.26-25
S	2.42-02	3.66-02	3.42-02	2.44-02	1.56-02	1.48-02	7.25-03	6.37-03	3.11-03
ST. DEV.	1.47-03	1.63-03	1.63-03	1.46-03	1.35-03	1.74-03	1.67-03	1.48-03	1.47-03
S/ALPHA	3.43-02	1.54-02	5.17-03	2.39-03	1.11-03	8.19-04	3.22-04	2.45-04	1.11-04
ST. DEV.	2.08-03	6.89-04	2.46-04	1.44-04	9.59-05	9.64-05	7.42-05	5.70-05	5.23-05

	BETA	1	2	3	4	5	6	7	8	9
ALPHA	6.16-01	2.23+00	6.35+00	9.61+00	1.36+01	1.74+01	2.17+01	2.51+01	2.71+01	
SIGPAR	3.10-24	4.35-24	4.39-24	2.99-24	1.80-24	1.54-24	1.17-24	8.13-25	5.72-25	
ST. DEV.	1.52-25	1.67-25	1.86-25	1.63-25	1.40-25	1.75-25	1.61-25	1.52-25	1.46-25	
S	2.90-02	4.06-02	4.10-02	2.79-02	1.68-02	1.44-02	1.09-02	7.59-03	5.34-03	
ST. DEV.	1.42-03	1.56-03	1.74-03	1.52-03	1.31-03	1.63-03	1.50-03	1.42-03	1.36-03	
S/ALPHA	4.71-02	1.82-02	6.46-03	2.85-03	1.24-03	8.27-04	5.02-04	3.02-04	1.97-04	
ST. DEV.	2.30-03	7.61-04	2.74-04	1.55-04	9.62-05	9.37-05	6.92-05	5.64-05	5.01-05	

				BETA =	1.50+00					
ALPHA	5.39-01	2.10+00	6.08+00	9.44+00	1.31+01	1.68+01	2.10+01	2.43+01	2.62+01	
SIGPAR	5.93-24	8.80-24	7.90-24	5.06-24	3.18-24	2.30-24	1.89-24	1.12-24	8.74-25	
ST. DEV.	1.81-25	2.35-25	2.36-25	2.05-25	1.68-25	2.05-25	1.82-25	1.75-25	1.65-25	
S	4.46-02	6.61-02	5.93-02	3.81-02	2.39-02	1.73-02	1.42-02	8.42-03	6.57-03	
ST. DEV.	1.36-03	1.76-03	1.77-03	1.54-03	1.28-03	1.54-03	1.36-03	1.31-03	1.24-03	
S/ALPHA	8.26-02	3.15-02	9.75-03	4.03-03	1.83-03	1.03-03	6.77-04	3.47-04	2.50-04	
ST. DEV.	2.52-03	8.40-04	2.91-04	1.63-04	9.82-05	9.17-05	6.50-05	5.41-05	4.72-05	

				BETA	=	1.00+00				
ALPHA	4.78-01	1.99+00	5.83+00	9.07+00	1.26+01	1.62+01	2.02+01	2.34+01	2.53+01	
SIGPAR	1.93-23	2.14-23	1.47-23	8.73-24	5.81-24	3.65-24	2.20-24	1.69-24	1.69-24	
ST. DEV.	3.12-25	3.32-25	2.98-25	2.47-25	2.11-25	2.28-25	2.02-25	1.91-25	1.81-25	
S	1.17-01	1.30-01	8.88-02	5.32-02	3.52-02	2.21-02	1.33-02	1.02-02	1.03-02	
ST. DEV.	1.89-03	2.02-03	1.81-03	1.50-03	1.28-03	1.38-03	1.23-03	1.16-03	1.09-03	
S/ALPHA	2.45-01	6.52-02	1.52-02	5.87-03	2.79-03	1.37-03	6.59-04	4.38-04	4.06-04	
ST. DEV.	3.95-03	1.01-03	3.10-04	1.85-04	1.02-04	8.56-05	6.07-05	4.95-05	4.33-05	

				BETA	=	5.00-01				
ALPHA	4.32-01	1.88+00	5.59+00	8.71+00	1.21+01	1.55+01	1.24+01	2.25+01	2.43+01	
SIGPAR	8.94-23	6.45-23	2.59-23	1.44-23	7.86-24	5.90-24	3.47-24	2.79-24	2.05-24	
ST. DEV.	6.12-25	5.32-25	3.77-25	3.06-25	2.43-25	2.49-25	2.21-25	2.03-25	1.96-25	
S	4.38-01	3.16-01	1.27-01	7.06-02	3.86-02	2.89-02	1.70-02	1.37-02	1.00-02	
ST. DEV.	3.00-03	2.61-03	1.85-03	1.47-03	1.19-03	1.22-03	1.08-03	9.95-04	9.63-04	
S/ALPHA	1.01+00	1.68-01	2.27-02	8.11-03	3.18-03	1.86-03	8.76-04	6.08-04	4.13-04	
ST. DEV.	6.94-03	1.38-03	3.31-04	1.69-04	9.83-05	7.86-05	5.57-05	4.42-05	3.96-05	

				BETA = 5.78-07					
ALPHA	4.05-01	1.80+00	5.35+00	8.35+00	1.16+01	1.49+01	1.87+01	2.16+01	2.33+01
SIGPAR	1.72-22	1.05-22	3.63-23	1.97-23	1.09-23	7.51-24	4.92-24	3.70-24	2.68-24
ST. DEV.	8.45-25	6.73-25	4.32-25	3.41-25	2.71-25	2.66-25	2.32-25	2.17-25	2.08-25
S	6.84-01	4.16-01	1.44-01	7.83-02	4.32-02	2.99-02	1.96-02	1.47-02	1.07-02
ST. DEV.	3.36-03	2.67-03	1.72-03	1.36-03	1.08-03	1.06-03	9.23-04	8.62-04	8.26-04
S/ALPHA	1.69+00	2.31-01	2.70-02	9.38-03	3.72-03	2.00-03	1.05-03	6.83-04	4.57-04
ST. DEV.	8.30-03	1.49-03	3.21-04	1.83-04	9.28-05	7.10-05	4.95-05	4.00-05	3.54-05

				BETA = -5.00-01					
ALPHA	3.98-01	1.73+00	5.13+00	8.00+00	1.11+01	1.43+01	1.79+01	2.07+01	2.23+01
SIGPAR	8.23-23	6.76-23	3.29-23	2.09-23	1.28-23	9.25-24	6.14-24	4.31-24	3.55-24
ST. DEV.	5.60-25	5.39-25	4.12-25	3.49-25	2.84-25	2.75-25	2.46-25	2.27-25	2.19-25
S	2.66-01	2.19-01	1.06-01	6.77-02	4.14-02	3.00-02	1.99-02	1.40-02	1.15-02
ST. DEV.	1.81-03	1.75-03	1.34-03	1.13-03	9.19-04	8.90-04	7.97-04	7.36-04	7.08-04
S/ALPHA	6.69-01	1.26-01	2.07-02	8.47-03	3.72-03	2.10-03	1.11-03	6.76-04	5.16-04
ST. DEV.	4.55-03	1.01-03	2.60-04	1.41-04	8.26-05	6.24-05	4.46-05	3.56-05	3.17-05

				BETA = -1.00+00					
ALPHA	4.16-01	1.69+00	4.92+00	7.65+00	1.06+01	1.36+01	1.70+01	1.97+01	2.13+01
SIGPAR	1.66-23	2.58-23	2.32-23	1.81-23	1.26-23	9.44-24	7.42-24	4.91-24	4.24-24
ST. DEV.	2.77-25	3.62-25	3.72-25	3.38-25	2.91-25	2.71-25	2.48-25	2.36-25	2.31-25
S	4.39-02	6.77-02	6.15-02	4.78-02	3.33-02	2.50-02	1.96-02	1.30-02	1.12-02
ST. DEV.	7.32-04	9.58-04	9.84-04	8.95-04	7.70-04	7.19-04	6.56-04	6.24-04	6.12-04
S/ALPHA	1.06-01	4.01-02	1.25-02	6.25-03	3.13-03	1.83-03	1.15-03	6.60-04	5.28-04
ST. DEV.	1.76-03	5.68-04	2.00-04	1.17-04	7.25-05	5.28-05	3.85-05	3.17-05	2.87-05

				BETA = -1.50+00					
ALPHA	4.61-01	1.86+00	4.73+00	7.32+00	1.01+01	1.30+01	1.62+01	1.87+01	2.02+01
SIGPAR	9.69-24	1.63-23	1.89-23	1.60-23	1.23-23	9.81-24	7.01-24	6.14-24	4.58-24
ST. DEV.	2.24-25	2.75-25	3.28-25	3.12-25	2.79-25	2.54-25	2.42-25	2.27-25	2.32-25
S	2.11-02	3.56-02	4.12-02	3.49-02	2.69-02	2.14-02	1.53-02	1.34-02	9.96-03
ST. DEV.	4.87-04	5.99-04	7.14-04	6.80-04	6.07-04	5.52-04	5.27-04	4.95-04	5.05-04
S/ALPHA	4.58-02	2.14-02	8.71-03	4.76-03	2.65-03	1.65-03	9.41-04	7.14-04	4.92-04
ST. DEV.	1.06-03	3.60-04	1.51-04	9.29-05	5.98-05	4.25-05	3.25-05	2.64-05	2.50-05

BETA = -2.00+00

ALPHA	5.38-01	1.67+00	4.56+00	6.99+00	9.65+00	1.23+01	1.54+01	1.77+01	1.92+01
SIGPAR	1.06-23	1.72-23	1.78-23	1.51-23	1.19-23	9.05-24	7.15-24	6.33-24	5.16-24
ST. DEV.	2.36-25	2.75-25	3.08-25	3.06-25	2.82-25	2.47-25	2.43-25	2.28-25	2.30-25
S	1.92-02	3.10-02	3.29-02	2.72-02	2.14-02	1.63-02	1.29-02	1.14-02	9.29-03
ST. DEV.	4.25-04	4.95-04	5.56-04	5.51-04	5.07-04	4.45-04	4.37-04	4.11-04	4.15-04
S/ALPHA	3.56-02	1.86-02	7.02-03	3.89-03	2.22-03	1.32-03	8.39-04	6.43-04	4.85-04
ST. DEV.	7.90-04	2.96-04	1.22-04	7.58-05	5.26-05	3.61-05	2.85-05	2.32-05	2.17-05

BETA = -2.50+00

ALPHA	6.54-01	1.71+00	4.41+00	6.68+00	9.15+00	1.16+01	1.45+01	1.67+01	1.80+01
SIGPAR	1.09-23	1.70-23	1.89-23	1.83-23	1.20-23	1.06-23	7.39-24	6.64-24	5.03-24
ST. DEV.	2.42-25	2.77-25	2.99-25	2.93-25	2.75-25	2.47-25	2.38-25	2.24-25	2.31-25
S	1.64-02	2.55-02	2.83-02	2.44-02	1.86-02	1.59-02	1.19-02	9.98-03	7.56-03
ST. DEV.	3.64-04	4.16-04	4.50-04	4.41-04	4.13-04	3.72-04	3.57-04	3.36-04	3.48-04
S/ALPHA	2.52-02	1.49-02	6.43-03	3.66-03	1.96-03	1.36-03	8.19-04	5.97-04	4.19-04
ST. DEV.	5.57-04	2.43-04	1.02-04	6.60-05	4.51-05	3.19-05	2.47-05	2.01-05	1.93-05

BETA = -3.00+00

ALPHA	8.18-01	1.79+00	4.28+00	6.38+00	8.65+00	1.10+01	1.36+01	1.56+01	1.69+01
SIGPAR	9.94-24	1.39-23	1.79-23	1.52-23	1.22-23	1.03-23	8.23-24	7.23-24	5.70-24
ST. DEV.	2.34-25	2.59-25	2.79-25	2.76-25	2.56-25	2.40-25	2.31-25	2.25-25	2.28-25
S	1.26-02	1.77-02	2.27-02	1.93-02	1.55-02	1.31-02	1.04-02	9.16-03	7.23-03
ST. DEV.	2.97-04	3.29-04	3.54-04	3.50-04	3.25-04	3.04-04	2.93-04	2.86-04	2.89-04
S/ALPHA	1.54-02	9.85-03	5.30-03	3.03-03	1.79-03	1.19-03	7.68-04	5.86-04	4.29-04
ST. DEV.	3.63-04	1.83-04	8.26-05	5.49-05	3.75-05	2.77-05	2.16-05	1.83-05	1.72-05

BETA = -3.50+00

ALPHA	1.04+00	1.93+00	4.19+00	6.16+00	8.12+00	1.03+01	1.27+01	1.45+01	1.56+01
SIGPAR	8.38-24	1.13-23	1.48-23	1.41-23	1.21-23	1.08-23	8.67-24	7.54-24	6.06-24
ST. DEV.	2.30-25	2.50-25	2.67-25	2.66-25	2.45-25	2.42-25	2.29-25	2.21-25	2.27-25
S	9.11-03	1.23-02	1.60-02	1.53-02	1.31-02	1.17-02	9.42-03	8.19-03	6.58-03
ST. DEV.	2.50-04	2.71-04	2.90-04	2.89-04	2.67-04	2.63-04	2.49-04	2.40-04	2.47-04
S/ALPHA	8.73-03	6.39-03	3.83-03	2.51-03	1.60-03	1.14-03	7.45-04	5.64-04	4.21-04
ST. DEV.	2.39-04	1.41-04	6.93-05	4.74-05	3.28-05	2.57-05	1.97-05	1.65-05	1.58-05

BETA = -4.00+00

ALPHA	1.35+00	2.14+00	4.15+00	5.84+00	7.69+00	9.55+00	1.17+01	1.33+01	1.43+01
SIGPAR	7.47-24	8.83-24	1.16-23	1.16-23	1.06-23	1.04-23	8.60-24	7.73-24	6.11-24
ST. DEV.	2.28-25	2.38-25	2.62-25	2.56-25	2.41-25	2.47-25	2.35-25	2.29-25	2.36-25
S	7.12-03	8.40-03	1.11-02	1.10-02	1.01-02	9.86-03	8.19-03	7.36-03	5.82-03
ST. DEV.	2.17-04	2.27-04	2.50-04	2.43-04	2.29-04	2.35-04	2.24-04	2.18-04	2.24-04
S/ALPHA	5.27-03	3.93-03	2.67-03	1.89-03	1.31-03	1.03-03	7.02-04	5.53-04	4.07-04
ST. DEV.	1.61-04	1.06-04	6.03-05	4.17-05	2.98-05	2.46-05	1.92-05	1.64-05	1.57-05

BETA = -4.50+00

ALPHA	1.77+00	2.45+00	4.17+00	5.62+00	7.20+00	8.80+00	1.06+01	1.20+01	1.29+01
SIGPAR	5.66-24	6.27-24	8.53-24	8.88-24	9.07-24	8.90-24	8.30-24	6.84-24	6.45-24
ST. DEV.	2.39-25	2.43-25	2.63-25	2.56-25	2.34-25	2.51-25	2.40-25	2.32-25	2.42-25
S	4.90-03	5.43-03	7.38-03	7.69-03	7.85-03	7.70-03	7.19-03	5.92-03	5.58-03
ST. DEV.	2.07-04	2.11-04	2.27-04	2.21-04	2.02-04	2.17-04	2.00-04	2.01-04	2.10-04
S/ALPHA	2.76-03	2.22-03	1.77-03	1.37-03	1.09-03	8.76-04	6.77-04	4.92-04	4.34-04
ST. DEV.	1.16-04	8.60-05	5.45-05	3.94-05	2.81-05	2.47-05	1.96-05	1.67-05	1.63-05

BETA = -5.00+00

ALPHA	2.39+00	2.93+00	4.30+00	5.46+00	6.72+00	8.00+00	9.45+00	1.06+01	1.13+01
SIGPAR	3.85-24	4.69-24	6.17-24	6.66-24	6.33-24	6.80-24	6.93-24	5.73-24	5.13-24
ST. DEV.	2.66-25	2.61-25	2.84-25	2.74-25	2.42-25	2.65-25	2.59-25	2.56-25	2.76-25
S	3.25-03	3.96-03	5.21-03	5.63-03	5.34-03	5.74-03	5.85-03	4.84-03	4.33-03
ST. DEV.	2.25-04	2.20-04	2.40-04	2.31-04	2.09-04	2.24-04	2.19-04	2.16-04	2.33-04
S/ALPHA	1.36-03	1.35-03	1.21-03	1.03-03	7.95-04	7.18-04	6.19-04	4.57-04	3.85-04
ST. DEV.	9.42-05	7.53-05	5.57-05	4.23-05	3.12-05	2.80-05	2.32-05	2.04-05	2.07-05

TABLE III. H₂O, Cu(220), BF₃ counters, 1.0 m flight path

BETA = 3.50+00									
ALPHA	1.15+00	4.33+00	1.24+01	1.92+01	2.67+01	3.42+01	4.27+01	4.94+01	5.34+01
SIGPAR	2.25-24	2.57-24	1.00-24	5.77-25	2.43-25	-4.49-27	3.34-25	2.18-25	-1.70-25
ST. DEV.	1.55-25	1.56-25	1.65-25	1.54-25	1.60-25	1.76-25	1.63-25	1.67-25	1.75-25
S	4.52-02	5.16-02	2.02-02	1.16-02	4.88-03	-9.01-05	6.71-03	4.38-03	-3.42-03
ST. DEV.	3.11-03	3.14-03	3.31-03	3.09-03	3.22-03	3.53-03	3.27-03	3.36-03	3.52-03
S/ALPHA	3.92-02	1.19-02	1.62-03	6.02-04	1.83-04	-2.63-06	1.57-04	8.87-05	-6.40-05
ST. DEV.	2.70-03	7.26-04	2.67-04	1.61-04	1.21-04	1.03-04	7.65-05	6.80-05	6.59-05
BETA = 3.00+00									
ALPHA	1.08+00	4.20+00	1.22+01	1.89+01	2.62+01	3.36+01	4.20+01	4.85+01	5.24+01
SIGPAR	4.38-24	3.95-24	1.65-24	9.07-25	2.78-25	1.14-25	4.24-25	2.78-25	9.86-27
ST. DEV.	1.25-25	1.26-25	1.26-25	1.16-25	1.20-25	1.29-25	1.20-25	1.24-25	1.29-25
S	6.97-02	6.28-02	2.63-02	1.44-02	4.42-03	1.82-03	6.74-03	4.43-03	1.57-04
ST. DEV.	1.99-03	2.00-03	2.00-03	1.85-03	1.91-03	2.05-03	1.91-03	1.98-03	2.05-03
S/ALPHA	6.46-02	1.49-02	2.16-03	7.65-04	1.69-04	5.42-05	1.61-04	9.12-05	3.00-06
ST. DEV.	1.84-03	4.77-04	1.64-04	9.79-05	7.27-05	6.12-05	4.54-05	4.08-05	3.90-05
BETA = 2.50+00									
ALPHA	1.01+00	4.08+00	1.19+01	1.85+01	2.57+01	3.29+01	4.12+01	4.76+01	5.15+01
SIGPAR	7.43-24	5.93-24	2.59-24	1.38-24	3.29-25	2.79-25	5.55-25	3.66-25	2.62-25
ST. DEV.	2.09-25	2.10-25	1.95-25	1.78-25	1.80-25	1.89-25	1.76-25	1.86-25	1.89-25
S	9.36-02	7.47-02	3.26-02	1.74-02	4.15-03	3.51-03	6.99-03	4.61-03	3.31-03
ST. DEV.	2.63-03	2.65-03	2.46-03	2.24-03	2.27-03	2.38-03	2.22-03	2.35-03	2.38-03
S/ALPHA	9.24-02	1.83-02	2.74-03	9.37-04	1.61-04	1.07-04	1.70-04	9.68-05	6.42-05
ST. DEV.	2.60-03	6.48-04	2.07-04	1.21-04	8.85-05	7.22-05	5.38-05	4.92-05	4.62-05
BETA = 2.00+00									
ALPHA	9.55-01	3.97+00	1.17+01	1.81+01	2.52+01	3.23+01	4.04+01	4.68+01	5.05+01
SIGPAR	1.57-23	1.02-23	4.04-24	1.84-24	6.88-25	5.37-25	5.61-25	4.99-25	2.72-25
ST. DEV.	1.97-25	1.82-25	1.55-25	1.41-25	1.36-25	1.41-25	1.32-25	1.37-25	1.39-25
S	1.57-01	1.02-01	4.03-02	1.83-02	6.88-03	5.37-03	5.60-03	4.99-03	2.72-03
ST. DEV.	1.96-03	1.82-03	1.55-03	1.41-03	1.36-03	1.40-03	1.32-03	1.37-03	1.39-03
S/ALPHA	1.65-01	2.57-02	3.46-03	1.01-03	2.73-04	1.66-04	1.39-04	1.07-04	5.37-05
ST. DEV.	2.06-03	4.59-04	1.33-04	7.77-05	5.38-05	4.35-05	3.26-05	2.93-05	2.76-05

				BETA	=	1.50+00				
ALPHA	9.05-01	3.87+00	1.14+01	1.78+01	2.47+01	3.17+01	3.97+01	4.59+01	4.96+01	
SIGPAR	2.38-23	1.44-23	5.45-24	2.28-24	1.04-24	7.90-25	5.68-25	6.35-25	2.82-25	
ST. DEV.	3.31-25	2.96-25	2.41-25	2.19-25	2.03-25	2.08-25	1.95-25	2.01-25	2.05-25	
S	1.89-01	1.14-01	4.32-02	1.81-02	8.24-03	6.26-03	4.50-03	5.03-03	2.24-03	
ST. DEV.	2.62-03	2.35-03	1.91-03	1.73-03	1.61-03	1.65-03	1.55-03	1.59-03	1.63-03	
S/ALPHA	2.09-01	2.96-02	3.79-03	1.02-03	3.33-04	1.98-04	1.13-04	1.10-04	4.51-05	
ST. DEV.	2.90-03	6.08-04	1.67-04	9.75-05	6.50-05	5.20-05	3.91-05	3.47-05	3.28-05	

				BETA	=	1.00+00				
ALPHA	8.64-01	3.77+00	1.12+01	1.74+01	2.42+01	3.11+01	3.89+01	4.50+01	4.86+01	
SIGPAR	4.86-23	2.57-23	8.19-24	3.29-24	1.84-24	1.16-24	7.62-25	5.54-25	4.03-25	
ST. DEV.	4.00-25	3.23-25	2.41-25	2.05-25	1.92-25	1.84-25	1.82-25	1.75-25	1.83-25	
S	3.06-01	1.62-01	5.15-02	2.07-02	1.16-02	7.28-03	4.80-03	3.48-03	2.54-03	
ST. DEV.	2.52-03	2.03-03	1.52-03	1.29-03	1.21-03	1.16-03	1.15-03	1.10-03	1.15-03	
S/ALPHA	3.54-01	4.30-02	4.61-03	1.19-03	4.77-04	2.34-04	1.23-04	7.75-05	5.22-05	
ST. DEV.	2.92-03	5.39-04	1.36-04	7.42-05	4.99-05	3.73-05	2.95-05	2.44-05	2.37-05	

				BETA	=	5.00-01				
ALPHA	8,32-01	3.68+00	1.09+01	1.71+01	2.37+01	3.04+01	3.81+01	4.41+01	4.76+01	
SIGPAR	5,99-23	3,11-23	9.55-24	3.83-24	2,20-24	1,35-24	8,89-25	5,62-25	4,69-25	
ST. DEV.	4,24-25	3,40-25	2,52-25	2,13-25	1,99-25	1,90-25	1,89-25	1,80-25	1,89-25	
S	3,00-01	1,56-01	4,78-02	1,91-02	1,10-02	6,76-03	4,45-03	2,81-03	2,35-03	
ST. DEV.	2,12-03	1,70-03	1,26-03	1,07-03	9,95-04	9,51-04	9,43-04	9,00-04	9,47-04	
S/ALPHA	3,60-01	4,23-02	4,37-03	1,12-03	4,64-04	2,22-04	1,17-04	6,38-05	4,93-05	
ST. DEV.	2,55-03	4,63-04	1,15-04	6,25-05	4,19-05	3,12-05	2,48-05	2,04-05	1,99-05	

				BETA	=	1.45-06				
ALPHA	8.10-01	3.60+00	1.07+01	1.67+01	2.32+01	2.98+01	3.73+01	4.32+01	4.66+01	
SIGPAR	7.80-23	4.03-23	1.21-23	4.95-24	2.79-24	1.73-24	1.20-24	7.03-25	6.01-25	
ST. DEV.	6.41-25	5.10-25	3.57-25	2.96-25	2.63-25	2.60-25	2.44-25	2.41-25	2.51-25	
S	3.10-01	1.60-01	4.80-02	1.97-02	1.11-02	6.89-03	4.76-03	2.80-03	2.39-03	
ST. DEV.	2.55-03	2.03-03	1.42-03	1.18-03	1.05-03	1.03-03	9.71-04	9.57-04	1.00-03	
S/ALPHA	3.83-01	4.45-02	4.48-03	1.18-03	4.77-04	2.31-04	1.28-04	6.48-05	5.12-05	
ST. DEV.	3.15-03	5.63-04	1.32-04	7.06-05	4.51-05	3.46-05	2.60-05	2.22-05	2.14-05	

				BETA = -5.00-01							
ALPHA	7.98-01	3.53+00	1.05+01	1.63+01	2.27+01	2.92+01	3.65+01	4.22+01	4.56+01		
SIGPAR	6.66-23	3.86-23	1.28-23	5.46-24	3.27-24	1.80-24	1.35-24	1.20-24	9.09-25		
ST. DEV.	5.01-25	4.31-25	3.10-25	2.55-25	2.31-25	2.26-25	2.10-25	2.11-25	2.14-25		
S	2.11-01	1.22-01	4.05-02	1.73-02	1.03-02	5.70-03	4.27-03	3.80-03	2.88-03		
ST. DEV.	1.59-03	1.36-03	9.81-04	8.08-04	7.30-04	7.15-04	6.63-04	6.67-04	6.78-04		
S/ALPHA	2.64-01	3.46-02	3.87-03	1.06-03	4.55-04	1.95-04	1.17-04	9.00-05	6.30-05		
ST. DEV.	1.99-03	3.87-04	9.36-05	4.95-05	3.21-05	2.45-05	1.82-05	1.58-05	1.49-05		

				BETA = -1.00+00							
ALPHA	7.97-01	3.46+00	1.03+01	1.60+01	2.22+01	2.85+01	3.57+01	4.13+01	4.46+01		
SIGPAR	4.90-23	3.35-23	1.28-23	5.76-24	3.69-24	1.86-24	1.55-24	1.50-24	1.21-24		
ST. DEV.	4.00-25	3.67-25	2.77-25	2.33-25	2.11-25	2.06-25	1.89-25	1.93-25	1.99-25		
S	1.24-01	8.44-02	3.24-02	1.45-02	9.30-03	4.68-03	3.92-03	3.77-03	3.04-03		
ST. DEV.	1.01-03	9.26-04	6.99-04	5.87-04	5.33-04	5.19-04	4.76-04	4.86-04	5.03-04		
S/ALPHA	1.55-01	2.44-02	3.16-03	9.09-04	4.18-04	1.64-04	1.10-04	9.13-05	6.82-05		
ST. DEV.	1.27-03	2.67-04	6.81-05	3.67-05	2.40-05	1.82-05	1.33-05	1.18-05	1.13-05		

				BETA = -1.50+00							
ALPHA	8.08-01	3.41+00	1.01+01	1.56+01	2.18+01	2.79+01	3.49+01	4.04+01	4.36+01		
SIGPAR	2.89-23	2.68-23	1.26-23	6.20-24	4.07-24	2.17-24	1.77-24	1.52-24	1.43-24		
ST. DEV.	3.65-25	3.78-25	3.11-25	2.67-25	2.44-25	2.35-25	2.15-25	2.22-25	2.35-25		
S	5.82-02	5.38-02	2.53-02	1.25-02	8.18-03	4.36-03	3.56-03	3.06-03	2.87-03		
ST. DEV.	7.35-04	7.61-04	6.27-04	5.38-04	4.92-04	4.72-04	4.32-04	4.46-04	4.72-04		
S/ALPHA	7.20-02	1.58-02	2.52-03	7.98-04	3.76-04	1.56-04	1.02-04	7.58-05	6.59-05		
ST. DEV.	9.10-04	2.23-04	6.23-05	3.44-05	2.26-05	1.69-05	1.24-05	1.10-05	1.08-05		

				BETA = -2.00+00							
ALPHA	8.32-01	3.37+00	9.85+00	1.53+01	2.13+01	2.72+01	3.41+01	3.94+01	4.26+01		
SIGPAR	1.76-23	2.25-23	1.25-23	7.00-24	4.23-24	3.05-24	1.86-24	1.08-24	1.30-24		
ST. DEV.	3.17-25	3.74-25	3.55-25	3.05-25	2.82-25	2.59-25	2.51-25	2.47-25	2.65-25		
S	2.82-02	3.61-02	2.00-02	1.12-02	6.79-03	4.90-03	3.00-03	1.73-03	2.09-03		
ST. DEV.	5.09-04	6.00-04	5.70-04	4.90-04	4.53-04	4.17-04	4.03-04	3.97-04	4.25-04		
S/ALPHA	3.39-02	1.07-02	2.03-03	7.35-04	3.19-04	1.80-04	8.79-05	4.39-05	4.91-05		
ST. DEV.	6.12-04	1.78-04	5.78-05	3.20-05	2.13-05	1.53-05	1.18-05	1.01-05	9.98-06		

BETA = -2.50+00

ALPHA	8.69-01	3.34+00	9.65+00	1.50+01	2.08+01	2.66+01	3.33+01	3.84+01	4.15+01
SIGPAR	1.40-23	2.09-23	1.31-23	7.44-24	4.42-24	3.72-24	1.92-24	1.02-24	9.61-25
ST. DEV.	2.98-25	3.52-25	3.62-25	3.19-25	2.98-25	2.61-25	2.59-25	2.62-25	2.71-25
S	1.79-02	2.68-02	1.69-02	9.55-03	5.67-03	4.77-03	2.46-03	1.31-03	1.23-03
ST. DEV.	3.83-04	4.52-04	4.65-04	4.10-04	3.82-04	3.36-04	3.33-04	3.36-04	3.48-04
S/ALPHA	2.06-02	8.02-03	1.75-03	6.38-04	2.73-04	1.79-04	7.41-05	3.40-05	2.97-05
ST. DEV.	4.40-04	1.35-04	4.81-05	2.74-05	1.84-05	1.26-05	1.00-05	8.74-06	8.38-06

BETA = -3.00+00

ALPHA	9.21-01	3.33+00	9.46+00	1.46+01	2.03+01	2.59+01	3.24+01	3.75+01	4.05+01
SIGPAR	1.19-23	1.96-23	1.32-23	7.54-24	4.60-24	3.41-24	1.44-24	1.34-24	1.28-24
ST. DEV.	2.78-25	3.26-25	3.43-25	3.12-25	2.91-25	2.58-25	2.45-25	2.50-25	2.62-25
S	1.22-02	2.02-02	1.35-02	7.76-03	4.73-03	3.51-03	1.48-03	1.37-03	1.32-03
ST. DEV.	2.86-04	3.36-04	3.52-04	3.21-04	2.99-04	2.65-04	2.52-04	2.57-04	2.69-04
S/ALPHA	1.33-02	6.06-03	1.43-03	5.30-04	2.33-04	1.35-04	4.56-05	3.67-05	3.26-05
ST. DEV.	3.10-04	1.01-04	3.72-05	2.20-05	1.47-05	1.02-05	7.76-06	6.85-06	6.65-06

BETA = -3.50+00

ALPHA	9.90-01	3.33+00	9.29+00	1.43+01	1.98+01	2.53+01	3.16+01	3.65+01	3.94+01
SIGPAR	9.24-24	1.65-23	1.24-23	7.97-24	4.34-24	3.29-24	1.73-24	1.29-24	1.01-24
ST. DEV.	2.42-25	2.86-25	3.18-25	2.96-25	2.65-25	2.37-25	2.25-25	2.38-25	2.58-25
S	7.62-03	1.37-02	1.02-02	6.58-03	3.58-03	2.72-03	1.42-03	1.07-03	8.34-04
ST. DEV.	2.00-04	2.36-04	2.62-04	2.44-04	2.16-04	1.95-04	1.86-04	1.96-04	2.13-04
S/ALPHA	7.70-03	4.10-03	1.10-03	4.60-04	1.81-04	1.07-04	4.51-05	2.93-05	2.12-05
ST. DEV.	2.02-04	7.09-05	2.82-05	1.71-05	1.10-05	7.72-06	5.88-06	5.38-06	5.41-06

BETA = -4.00+00

ALPHA	1.08+00	3.34+00	9.12+00	1.40+01	1.93+01	2.46+01	3.07+01	3.55+01	3.83+01
SIGPAR	7.01-24	1.38-23	1.18-23	7.64-24	4.56-24	3.07-24	2.13-24	1.14-24	6.82-25
ST. DEV.	2.47-25	2.72-25	2.95-25	2.92-25	2.70-25	2.24-25	2.22-25	2.34-25	2.64-25
S	4.64-03	9.17-03	7.83-03	5.06-03	3.02-03	2.04-03	1.41-03	7.59-04	4.52-04
ST. DEV.	1.64-04	1.80-04	1.95-04	1.93-04	1.79-04	1.48-04	1.47-04	1.55-04	1.75-04
S/ALPHA	4.32-03	2.74-03	8.59-04	3.62-04	1.57-04	8.27-05	4.59-05	2.14-05	1.18-05
ST. DEV.	1.52-04	5.39-05	2.14-05	1.38-05	9.29-06	6.02-06	4.78-06	4.37-06	4.56-06

				BETA = -4.50+00					
ALPHA	1.18+00	3.37+00	8.96+00	1.37+01	1.88+01	2.40+01	2.99+01	3.44+01	3.72+01
SIGPAR	5.60-24	1.12-23	1.16-23	7.45-24	5.11-24	3.32-24	1.58-24	1.49-24	9.96-25
ST. DEV.	2.52-25	2.76-25	3.03-25	3.02-25	3.04-25	2.45-25	2.41-25	2.41-25	2.91-25
S	2.99-03	5.99-03	6.20-03	3.98-03	2.72-03	1.77-03	8.44-04	7.96-04	5.31-04
ST. DEV.	1.34-04	1.48-04	1.61-04	1.61-04	1.62-04	1.31-04	1.28-04	1.29-04	1.55-04
S/ALPHA	2.53-03	1.78-03	6.92-04	2.91-04	1.45-04	7.39-05	2.83-05	2.31-05	1.43-05
ST. DEV.	1.14-04	4.38-05	1.80-05	1.18-05	8.62-06	5.45-06	4.30-06	3.74-06	4.17-06

				BETA = -5.00+00					
ALPHA	1.31+00	3.42+00	8.81+00	1.34+01	1.83+01	2.33+01	2.90+01	3.34+01	3.61+01
SIGPAR	3.90-24	8.60-24	1.08-23	7.91-24	5.07-24	3.85-24	1.92-24	1.14-24	1.05-24
ST. DEV.	2.52-25	2.72-25	2.98-25	2.97-25	3.18-25	2.49-25	2.49-25	2.55-25	2.93-25
S	1.68-03	3.70-03	4.65-03	3.41-03	2.19-03	1.66-03	8.26-04	4.92-04	4.54-04
ST. DEV.	1.09-04	1.17-04	1.29-04	1.28-04	1.37-04	1.07-04	1.07-04	1.10-04	1.26-04
S/ALPHA	1.29-03	1.08-03	5.27-04	2.55-04	1.19-04	7.12-05	2.85-05	1.47-05	1.26-05
ST. DEV.	8.31-05	3.42-05	1.46-05	9.59-06	7.49-06	4.61-06	3.70-06	3.28-06	3.51-06

				BETA = -5.50+00					
ALPHA	1.46+00	3.49+00	8.68+00	1.30+01	1.78+01	2.26+01	2.81+01	3.24+01	3.49+01
SIGPAR	3.78-24	7.64-24	9.96-24	7.69-24	5.15-24	4.04-24	1.83-24	1.88-24	6.97-25
ST. DEV.	2.41-25	2.56-25	2.85-25	2.76-25	3.00-25	2.44-25	2.31-25	2.51-25	2.85-25
S	1.32-03	2.66-03	3.47-03	2.68-03	1.80-03	1.41-03	6.37-04	6.55-04	2.43-04
ST. DEV.	8.42-05	8.94-05	9.95-05	9.62-05	1.05-04	8.51-05	8.04-05	8.75-05	9.93-05
S/ALPHA	9.05-04	7.62-04	4.00-04	2.05-04	1.01-04	6.23-05	2.27-05	2.03-05	6.96-06
ST. DEV.	5.77-05	2.56-05	1.15-05	7.37-06	5.88-06	3.76-06	2.86-06	2.70-06	2.85-06

				BETA = -6.00+00					
ALPHA	1.64+00	3.59+00	8.56+00	1.28+01	1.73+01	2.19+01	2.72+01	3.13+01	3.37+01
SIGPAR	3.36-24	6.91-24	8.78-24	7.79-24	5.84-24	4.57-24	1.76-24	1.69-24	1.60-24
ST. DEV.	2.42-25	2.48-25	2.83-25	2.84-25	2.92-25	2.43-25	2.35-25	2.49-25	2.82-25
S	9.51-04	1.95-03	2.49-03	2.20-03	1.65-03	1.29-03	4.97-04	4.80-04	4.53-04
ST. DEV.	6.84-05	7.02-05	8.02-05	8.05-05	8.25-05	6.88-05	6.66-05	7.04-05	8.00-05
S/ALPHA	5.82-04	5.45-04	2.90-04	1.73-04	9.54-05	5.90-05	1.83-05	1.53-05	1.34-05
ST. DEV.	4.18-05	1.96-05	9.37-06	6.31-06	4.76-06	3.14-06	2.45-06	2.25-06	2.37-06

				BETA = -6.50+00					
ALPHA	1.84+00	3.71+00	8.46+00	1.25+01	1.68+01	2.12+01	2.62+01	3.02+01	3.25+01
SIGPAR	3.65-24	6.02-24	9.22-24	7.93-24	5.70-24	4.02-24	2.92-24	1.62-24	1.52-24
ST. DEV.	2.56-25	2.67-25	3.02-25	3.00-25	3.10-25	2.62-25	2.44-25	2.72-25	3.02-25
S	8.42-04	1.39-03	2.13-03	1.83-03	1.31-03	9.27-04	6.73-04	3.75-04	3.52-04
ST. DEV.	5.91-05	6.17-05	6.97-05	6.93-05	7.15-05	6.05-05	5.63-05	6.27-05	6.97-05
S/ALPHA	4.57-04	3.74-04	2.51-04	1.47-04	7.81-05	4.36-05	2.56-05	1.24-05	1.08-05
ST. DEV.	3.20-05	1.66-05	8.23-06	5.56-06	4.24-06	2.85-06	2.14-06	2.08-06	2.15-06

				BETA = -7.00+00					
ALPHA	2.09+00	3.86+00	8.38+00	1.22+01	1.64+01	2.05+01	2.53+01	2.90+01	3.12+01
SIGPAR	4.01-24	5.63-24	8.23-24	7.54-24	5.85-24	4.59-24	3.09-24	1.83-24	1.22-24
ST. DEV.	2.72-25	2.71-25	3.07-25	3.01-25	3.05-25	2.91-25	2.65-25	2.78-25	3.18-25
S	7.58-04	1.06-03	1.55-03	1.42-03	1.11-03	8.68-04	5.83-04	3.45-04	2.31-04
ST. DEV.	5.15-05	5.12-05	5.80-05	5.68-05	5.76-05	5.50-05	5.01-05	5.24-05	6.01-05
S/ALPHA	3.64-04	2.75-04	1.85-04	1.17-04	6.76-05	4.23-05	2.30-05	1.19-05	7.38-06
ST. DEV.	2.47-05	1.33-05	6.92-06	4.66-06	3.52-06	2.68-06	1.98-06	1.81-06	1.92-06

				BETA = -7.50+00					
ALPHA	2.37+00	4.05+00	8.33+00	1.19+01	1.59+01	1.98+01	2.43+01	2.79+01	3.00+01
SIGPAR	4.39-24	5.97-24	8.41-24	7.55-24	5.37-24	4.79-24	3.16-24	2.45-24	1.90-24
ST. DEV.	2.82-25	2.85-25	3.11-25	3.07-25	3.21-25	2.87-25	2.64-25	2.83-25	3.26-25
S	6.83-04	9.29-04	1.31-03	1.17-03	8.35-04	7.44-04	4.92-04	3.81-04	2.96-04
ST. DEV.	4.39-05	4.44-05	4.84-05	4.77-05	4.99-05	4.46-05	4.10-05	4.40-05	5.07-05
S/ALPHA	2.89-04	2.29-04	1.57-04	9.84-05	5.26-05	3.76-05	2.02-05	1.37-05	9.87-06
ST. DEV.	1.85-05	1.10-05	5.82-06	4.00-06	3.15-06	2.25-06	1.69-06	1.58-06	1.69-06

				BETA = -8.00+00					
ALPHA	2.70+00	4.28+00	8.30+00	1.17+01	1.54+01	1.91+01	2.33+01	2.66+01	2.86+01
SIGPAR	4.39-24	5.50-24	7.11-24	1.01-23	5.66-24	4.47-24	3.76-24	2.24-24	2.04-24
ST. DEV.	2.90-25	2.89-25	3.30-25	3.23-25	3.26-25	2.86-25	2.85-25	2.88-25	3.26-25
S	5.66-04	7.09-04	9.17-04	1.30-03	7.30-04	5.76-04	4.85-04	2.89-04	2.62-04
ST. DEV.	3.74-05	3.72-05	4.25-05	4.17-05	4.21-05	3.69-05	3.68-05	3.71-05	4.20-05
S/ALPHA	2.10-04	1.66-04	1.11-04	1.11-04	4.75-05	3.01-05	2.08-05	1.08-05	9.17-06
ST. DEV.	1.39-05	8.71-06	5.13-06	3.57-06	2.74-06	1.93-06	1.58-06	1.39-06	1.47-06

				BETA = -8.50+00						
ALPHA	3.09+00	4.55+00	8.30+00	1.15+01	1.49+01	1.84+01	2.23+01	2.54+01	2.72+01	
SIGPAR	3.07-24	4.28-24	6.50-24	8.51-24	4.96-24	4.00-24	3.14-24	2.91-24	2.46-24	
ST. DEV.	2.96-25	3.05-25	3.34-25	3.24-25	3.38-25	3.13-25	2.90-25	3.04-25	3.26-25	
S	3.31-04	4.62-04	7.01-04	9.18-04	5.35-04	4.31-04	3.38-04	3.13-04	2.66-04	
ST. DEV.	3.19-05	3.29-05	3.60-05	3.49-05	3.64-05	3.38-05	3.12-05	3.28-05	3.51-05	
S/ALPHA	1.07-04	1.01-04	8.45-05	8.02-05	3.59-05	2.35-05	1.52-05	1.24-05	9.76-06	
ST. DEV.	1.04-05	7.22-06	4.34-06	3.05-06	2.45-06	1.84-06	1.40-06	1.29-06	1.29-06	

				BETA = -9.00+00						
ALPHA	3.55+00	4.90+00	8.34+00	1.12+01	1.44+01	1.76+01	2.12+01	2.41+01	2.57+01	
SIGPAR	2.87-24	4.48-24	5.60-24	6.73-24	5.08-24	5.00-24	3.69-24	2.70-24	1.74-24	
ST. DEV.	3.06-25	3.00-25	3.41-25	3.25-25	3.52-25	3.03-25	2.98-25	3.20-25	3.65-25	
S	2.62-04	4.09-04	5.11-04	6.14-04	4.64-04	4.57-04	3.37-04	2.46-04	1.58-04	
ST. DEV.	2.79-05	2.74-05	3.11-05	2.97-05	3.21-05	2.77-05	2.72-05	2.92-05	3.33-05	
S/ALPHA	7.39-05	8.34-05	6.12-05	5.46-05	3.22-05	2.60-05	1.59-05	1.02-05	6.16-06	
ST. DEV.	7.87-06	5.60-06	3.73-06	2.64-06	2.23-06	1.57-06	1.28-06	1.21-06	1.29-06	

				BETA = -9.50+00						
ALPHA	4.10+00	5.32+00	8.44+00	1.11+01	1.39+01	1.68+01	2.01+01	2.27+01	2.42+01	
SIGPAR	3.22-24	3.22-24	4.81-24	5.03-24	4.16-24	4.35-24	4.26-24	2.68-24	2.35-24	
ST. DEV.	3.24-25	3.18-25	3.56-25	3.50-25	3.79-25	3.39-25	3.19-25	3.47-25	3.86-25	
S	2.53-04	2.53-04	3.78-04	3.95-04	3.27-04	3.42-04	3.35-04	2.11-04	1.85-04	
ST. DEV.	2.55-05	2.50-05	2.80-05	2.75-05	2.98-05	2.67-05	2.51-05	2.73-05	3.03-05	
S/ALPHA	6.17-05	4.75-05	4.48-05	3.57-05	2.35-05	2.03-05	1.67-05	9.30-06	7.63-06	
ST. DEV.	6.22-06	4.70-06	3.32-06	2.49-06	2.14-06	1.59-06	1.25-06	1.20-06	1.25-06	

				BETA = -1.00+01						
ALPHA	4.77+00	5.85+00	8.60+00	1.09+01	1.34+01	1.60+01	1.89+01	2.12+01	2.25+01	
SIGPAR	2.25-24	3.22-24	4.80-24	4.81-24	5.12-24	4.71-24	3.99-24	3.31-24	1.37-24	
ST. DEV.	3.47-25	3.44-25	3.87-25	3.72-25	4.00-25	3.52-25	3.40-25	3.52-25	4.04-25	
S	1.56-04	2.23-04	3.33-04	3.34-04	3.55-04	3.27-04	2.77-04	2.29-04	9.53-05	
ST. DEV.	2.40-05	2.39-05	2.69-05	2.58-05	2.77-05	2.44-05	2.36-05	2.44-05	2.80-05	
S/ALPHA	3.27-05	3.82-05	3.87-05	3.05-05	2.64-05	2.04-05	1.46-05	1.08-05	4.23-06	
ST. DEV.	5.04-06	4.08-06	3.12-06	2.36-06	2.06-06	1.53-06	1.25-06	1.15-06	1.25-06	

				BETA = -1.05+01						
ALPHA	5.63+00	6.55+00	8.87+00	1.08+01	1.30+01	1.51+01	1.76+01	1.95+01	2.06+01	
SIGPAR	2.00-24	2.26-24	3.74-24	4.27-24	4.08-24	2.95-24	3.16-24	3.04-24	1.41-24	
ST. DEV.	3.92-25	3.85-25	4.16-25	4.17-25	4.36-25	3.97-25	3.76-25	3.80-25	4.49-25	
S	1.27-04	1.44-04	2.38-04	2.73-04	2.61-04	1.88-04	2.02-04	1.94-04	8.97-05	
ST. DEV.	2.51-05	2.46-05	2.66-05	2.66-05	2.79-05	2.54-05	2.40-05	2.43-05	2.87-05	
S/ALPHA	2.26-05	2.21-05	2.69-05	2.52-05	2.01-05	1.25-05	1.15-05	9.96-06	4.35-06	
ST. DEV.	4.45-06	3.76-06	3.00-06	2.46-06	2.15-06	1.68-06	1.37-06	1.24-06	1.39-06	

				BETA = -1.10+01						
ALPHA	6.81+00	7.52+00	9.32+00	1.08+01	1.25+01	1.42+01	1.61+01	1.76+01	1.85+01	
SIGPAR	4.40-25	1.16-24	3.30-24	2.95-24	2.43-24	2.71-24	1.90-24	1.84-24	1.50-24	
ST. DEV.	4.37-25	4.39-25	4.93-25	4.85-25	5.14-25	4.54-25	4.41-25	4.48-25	5.10-25	
S	2.83-05	7.41-05	2.12-04	1.89-04	1.56-04	1.74-04	1.21-04	1.18-04	9.59-05	
ST. DEV.	2.80-05	2.82-05	3.16-05	3.11-05	3.30-05	2.91-05	2.83-05	2.87-05	3.27-05	
S/ALPHA	4.16-06	9.86-06	2.27-05	1.75-05	1.24-05	1.22-05	7.55-06	6.73-06	5.20-06	
ST. DEV.	4.12-06	3.75-06	3.39-06	2.87-06	2.64-06	2.06-06	1.76-06	1.64-06	1.77-06	

TABLE IV. H₂O, Al(220), He³ counters, 1.5 m flight path

				BETA = 2.00+00						
ALPHA	9.58-01	3.52+00	7.62+00	1.30+01	1.92+01	2.58+01	3.25+01	4.06+01	4.57+01	4.93+01
SIGPAR	5.66-24	6.13-24	4.23-24	1.92-24	1.12-24	6.06-25	5.23-25	2.38-25	2.41-25	2.01-25
ST. DEV.	1.33-25	1.29-25	1.09-25	1.13-25	9.61-26	9.25-26	9.24-26	1.09-25	1.03-25	1.21-25
S	5.66-02	6.13-02	4.23-02	1.92-02	1.12-02	6.05-03	5.23-03	2.38-03	2.41-03	2.01-03
ST. DEV.	1.33-03	1.29-03	1.09-03	1.13-03	9.61-04	9.25-04	9.24-04	1.09-03	1.03-03	1.21-03
S/ALPHA	5.91-02	1.74-02	5.55-03	1.48-03	5.83-04	2.34-04	1.61-04	5.87-05	5.28-05	4.08-05
ST. DEV.	1.39-03	3.66-04	1.43-04	8.68-05	5.00-05	3.58-05	2.84-05	2.70-05	2.26-05	2.45-05
				BETA = 1.50+00						
ALPHA	9.08-01	3.43+00	7.45+00	1.27+01	1.88+01	2.53+01	3.19+01	3.98+01	4.48+01	4.84+01
SIGPAR	1.33-23	1.15-23	6.77-24	3.23-24	1.57-24	7.08-25	8.31-25	4.92-25	2.40-25	2.92-25
ST. DEV.	2.13-25	1.99-25	1.66-25	1.53-25	1.28-25	1.23-25	1.20-25	1.41-25	1.29-25	1.52-25
S	1.06-01	9.10-02	5.37-02	2.56-02	1.24-02	5.62-03	6.59-03	3.90-03	1.90-03	2.32-03
ST. DEV.	1.69-03	1.58-03	1.32-03	1.22-03	1.02-03	9.79-04	9.52-04	1.12-03	1.03-03	1.21-03
S/ALPHA	1.16-01	2.66-02	7.21-03	2.01-03	6.60-04	2.22-04	2.07-04	9.80-05	4.24-05	4.79-05
ST. DEV.	1.86-03	4.60-04	1.77-04	9.57-05	5.41-05	3.86-05	2.99-05	2.81-05	2.29-05	2.49-05
				BETA = 1.00+00						
ALPHA	8.67-01	3.34+00	7.28+00	1.24+01	1.84+01	2.48+01	3.13+01	3.90+01	4.39+01	4.74+01
SIGPAR	3.54-23	2.31-23	1.13-23	5.25-24	2.31-24	1.23-24	1.08-24	6.33-25	5.31-25	6.55-25
ST. DEV.	3.83-25	3.21-25	2.49-25	2.08-25	1.65-25	1.59-25	1.49-25	1.67-25	1.56-25	1.79-25
S	2.23-01	1.45-01	7.12-02	3.30-02	1.46-02	7.76-03	6.80-03	3.99-03	3.34-03	4.12-03
ST. DEV.	2.41-03	2.02-03	1.57-03	1.31-03	1.04-03	9.99-04	9.37-04	1.05-03	9.85-04	1.13-03
S/ALPHA	2.57-01	4.36-02	9.78-03	2.66-03	7.90-04	3.12-04	2.17-04	1.02-04	7.61-05	8.69-05
ST. DEV.	2.78-03	6.06-04	2.16-04	1.05-04	5.64-05	4.02-05	3.00-05	2.69-05	2.24-05	2.38-05
				BETA = 5.00-01						
ALPHA	8.35-01	3.26+00	7.12+00	1.22+01	1.81+01	2.43+01	3.06+01	3.82+01	4.31+01	4.65+01
SIGPAR	7.98-23	4.14-23	1.78-23	7.55-24	3.13-24	1.64-24	1.38-24	1.03-24	6.59-25	6.87-25
ST. DEV.	5.82-25	4.41-25	3.26-25	2.49-25	1.97-25	1.82-25	1.67-25	1.77-25	1.73-25	1.95-25
S	3.99-01	2.07-01	8.93-02	3.78-02	1.57-02	8.19-03	6.90-03	5.18-03	3.30-03	3.43-03
ST. DEV.	2.91-03	2.21-03	1.63-03	1.25-03	9.86-04	9.12-04	8.34-04	8.87-04	8.66-04	9.74-04
S/ALPHA	4.78-01	6.36-02	1.25-02	3.10-03	8.68-04	3.37-04	2.25-04	1.35-04	7.66-05	7.39-05
ST. DEV.	3.48-03	6.78-04	2.29-04	1.02-04	5.46-05	3.75-05	2.72-05	2.32-05	2.01-05	2.10-05

BETA = 7.23-07

ALPHA	8.13-01	3.18+00	6.97+00	1.19+01	1.77+01	2.38+01	3.00+01	3.75+01	4.22+01	4.55+01
SIGPAR	1.07-22	5.36-23	2.31-23	9.79-24	4.23-24	2.24-24	2.05-24	1.39-24	7.89-25	8.92-25
ST. DEV.	6.75-25	5.02-25	3.65-25	2.76-25	2.15-25	1.89-25	1.74-25	1.87-25	1.80-25	1.99-25
S	4.26-01	2.13-01	9.18-02	3.89-02	1.68-02	8.89-03	8.14-03	5.54-03	3.14-03	3.55-03
ST. DEV.	2.68-03	2.00-03	1.45-03	1.10-03	8.55-04	7.52-04	6.93-04	7.44-04	7.15-04	7.90-04
S/ALPHA	5.24-01	6.69-02	1.32-02	3.26-03	9.51-04	3.73-04	2.71-04	1.48-04	7.44-05	7.79-05
ST. DEV.	3.30-03	6.26-04	2.08-04	9.21-05	4.84-05	3.16-05	2.31-05	1.99-05	1.69-05	1.73-05

BETA = -5.00-01

ALPHA	8.01-01	3.12+00	6.83+00	1.17+01	1.73+01	2.33+01	2.94+01	3.67+01	4.13+01	4.45+01
SIGPAR	8.30-23	4.82-23	2.43-23	1.14-23	5.25-24	3.25-24	2.28-24	1.42-24	1.06-24	1.26-24
ST. DEV.	5.88-25	4.67-25	3.54-25	2.81-25	2.19-25	1.91-25	1.78-25	1.87-25	1.77-25	1.96-25
S	2.63-01	1.53-01	7.68-02	3.62-02	1.66-02	1.03-02	7.21-03	4.49-03	3.35-03	3.97-03
ST. DEV.	1.86-03	1.48-03	1.12-03	8.91-04	6.93-04	6.06-04	5.64-04	5.92-04	5.59-04	6.21-04
S/ALPHA	3.28-01	4.89-02	1.13-02	3.10-03	9.59-04	4.41-04	2.46-04	1.22-04	8.12-05	8.92-05
ST. DEV.	2.32-03	4.74-04	1.64-04	7.63-05	4.00-05	2.60-05	1.92-05	1.62-05	1.36-05	1.39-05

BETA = -1.00+00

ALPHA	8.00-01	3.07+00	6.69+00	1.14+01	1.69+01	2.28+01	2.87+01	3.59+01	4.04+01	4.36+01
SIGPAR	4.02-23	3.29-23	2.20-23	1.14-23	5.49-24	3.79-24	2.54-24	1.62-24	1.03-24	1.27-24
ST. DEV.	3.83-25	3.61-25	3.01-25	2.55-25	2.04-25	1.80-25	1.62-25	1.72-25	1.61-25	1.84-25
S	1.01-01	8.29-02	5.56-02	2.88-02	1.38-02	9.56-03	6.41-03	4.08-03	2.60-03	3.19-03
ST. DEV.	9.67-04	9.10-04	7.58-04	6.42-04	5.15-04	4.54-04	4.09-04	4.33-04	4.07-04	4.65-04
S/ALPHA	1.27-01	2.70-02	8.30-03	2.51-03	8.17-04	4.19-04	2.23-04	1.14-04	6.45-05	7.33-05
ST. DEV.	1.21-03	2.97-04	1.13-04	5.62-05	3.04-05	1.99-05	1.42-05	1.21-05	1.01-05	1.07-05

BETA = -1.50+00

ALPHA	8.11-01	3.03+00	6.57+00	1.12+01	1.66+01	2.23+01	2.81+01	3.51+01	3.95+01	4.26+01
SIGPAR	1.85-23	2.35-23	1.95-23	1.11-23	5.84-24	3.53-24	2.86-24	1.78-24	1.42-24	1.32-24
ST. DEV.	2.43-25	2.75-25	2.54-25	2.33-25	1.94-25	1.74-25	1.49-25	1.59-25	1.55-25	1.74-25
S	3.73-02	4.73-02	3.92-02	2.24-02	1.17-02	7.10-03	5.75-03	3.59-03	2.85-03	2.65-03
ST. DEV.	4.89-04	5.52-04	5.12-04	4.68-04	3.91-04	3.51-04	2.99-04	3.20-04	3.12-04	3.51-04
S/ALPHA	4.60-02	1.56-02	5.98-03	2.00-03	7.08-04	3.18-04	2.05-04	1.02-04	7.22-05	6.21-05
ST. DEV.	6.03-04	1.82-04	7.79-05	4.18-05	2.38-05	1.57-05	1.07-05	9.13-06	7.91-06	8.24-06

				BETA = -2.00+00							
ALPHA	8.35-01	3.00+00	6.45+00	1.10+01	1.62+01	2.18+01	2.74+01	3.42+01	3.85+01	4.16+01	
SIGPAR	1.40-23	2.13-23	1.80-23	1.12-23	6.52-24	3.57-24	2.83-24	1.71-24	1.76-24	1.16-24	
ST. DEV.	2.33-25	2.66-25	2.56-25	2.52-25	2.14-25	1.95-25	1.59-25	1.78-25	1.71-25	1.92-25	
S	2.24-02	3.43-02	2.89-02	1.80-02	1.05-02	5.74-03	4.54-03	2.75-03	2.82-03	1.86-03	
ST. DEV.	3.74-04	4.27-04	4.10-04	4.05-04	3.43-04	3.13-04	2.55-04	2.85-04	2.75-04	3.08-04	
S/ALPHA	2.68-02	1.14-02	4.48-03	1.64-03	6.45-04	2.63-04	1.65-04	8.04-05	7.32-05	4.47-05	
ST. DEV.	4.48-04	1.43-04	6.36-05	3.69-05	2.12-05	1.43-05	9.29-06	8.34-06	7.14-06	7.41-06	

				BETA = -2.50+00							
ALPHA	8.72-01	2.98+00	6.34+00	1.07+01	1.58+01	2.13+01	2.68+01	3.34+01	3.76+01	4.06+01	
SIGPAR	1.30-23	2.09-23	1.85-23	1.08-23	6.59-24	4.19-24	3.12-24	1.80-24	1.65-24	1.68-24	
ST. DEV.	2.30-25	2.60-25	2.46-25	2.42-25	2.12-25	1.99-25	1.51-25	1.75-25	1.68-25	1.96-25	
S	1.67-02	2.68-02	2.37-02	1.39-02	8.46-03	5.38-03	4.00-03	2.31-03	2.12-03	2.15-03	
ST. DEV.	2.95-04	3.33-04	3.16-04	3.11-04	2.73-04	2.55-04	1.93-04	2.25-04	2.16-04	2.52-04	
S/ALPHA	1.92-02	9.01-03	3.74-03	1.29-03	5.34-04	2.52-04	1.49-04	6.91-05	5.63-05	5.30-05	
ST. DEV.	3.39-04	1.12-04	4.98-05	2.90-05	1.72-05	1.20-05	7.22-06	6.73-06	5.75-06	6.20-06	

				BETA = -3.00+00							
ALPHA	9.24-01	2.97+00	6.24+00	1.05+01	1.55+01	2.08+01	2.61+01	3.26+01	3.66+01	3.95+01	
SIGPAR	1.12-23	1.90-23	1.81-23	1.10-23	6.99-24	4.22-24	3.06-24	1.78-24	1.56-24	1.86-24	
ST. DEV.	2.18-25	2.48-25	2.27-25	2.27-25	2.06-25	1.92-25	1.38-25	1.69-25	1.60-25	1.91-25	
S	1.15-02	1.96-02	1.86-02	1.13-02	7.18-03	4.34-03	3.15-03	1.83-03	1.60-03	1.91-03	
ST. DEV.	2.24-04	2.55-04	2.33-04	2.34-04	2.12-04	1.97-04	1.41-04	1.74-04	1.65-04	1.96-04	
S/ALPHA	1.25-02	6.58-03	2.97-03	1.07-03	4.64-04	2.08-04	1.20-04	5.62-05	4.38-05	4.82-05	
ST. DEV.	2.43-04	8.57-05	3.74-05	2.22-05	1.37-05	9.49-06	5.41-06	5.33-06	4.49-06	4.96-06	

				BETA = -3.50+00							
ALPHA	9.92-01	2.98+00	6.16+00	1.03+01	1.51+01	2.03+01	2.55+01	3.17+01	3.57+01	3.85+01	
SIGPAR	9.12-24	1.59-23	1.67-23	1.14-23	6.95-24	4.24-24	3.37-24	1.65-24	1.71-24	1.30-24	
ST. DEV.	2.22-25	2.45-25	2.24-25	2.27-25	2.09-25	2.04-25	1.38-25	1.74-25	1.76-25	2.03-25	
S	7.52-03	1.31-02	1.37-02	9.41-03	5.73-03	3.49-03	2.78-03	1.36-03	1.41-03	1.07-03	
ST. DEV.	1.83-04	2.02-04	1.85-04	1.87-04	1.72-04	1.68-04	1.13-04	1.44-04	1.45-04	1.67-04	
S/ALPHA	7.58-03	4.39-03	2.23-03	9.13-04	3.78-04	1.72-04	1.09-04	4.30-05	3.94-05	2.79-05	
ST. DEV.	1.85-04	6.78-05	3.00-05	1.81-05	1.14-05	8.29-06	4.45-06	4.53-06	4.06-06	4.34-06	

					BETA = -4.00+00						
ALPHA	1.08+00	3.01+00	6.08+00	1.01+01	1.48+01	1.98+01	2.48+01	3.09+01	3.47+01	3.74+01	
SIGPAR	6.58-24	1.23-23	1.54-23	1.10-23	6.95-24	4.19-24	3.25-24	2.34-24	1.95-24	1.65-24	
ST. DEV.	1.98-25	2.18-25	2.08-25	2.08-25	2.00-25	1.92-25	1.30-25	1.71-25	1.67-25	1.98-25	
S	4.36-03	8.16-03	1.02-02	7.31-03	4.60-03	2.77-03	2.15-03	1.55-03	1.29-03	1.09-03	
ST. DEV.	1.31-04	1.45-04	1.38-04	1.38-04	1.33-04	1.27-04	8.60-05	1.13-04	1.10-04	1.31-04	
S/ALPHA	4.05-03	2.71-03	1.68-03	7.22-04	3.11-04	1.40-04	8.67-05	5.02-05	3.71-05	2.91-05	
ST. DEV.	1.22-04	4.81-05	2.26-05	1.36-05	8.96-06	6.41-06	3.47-06	3.67-06	3.18-06	3.50-06	

					BETA = -4.50+00						
ALPHA	1.18+00	3.05+00	6.03+00	9.93+00	1.45+01	1.93+01	2.41+01	3.00+01	3.37+01	3.63+01	
SIGPAR	5.11-24	9.84-24	1.33-23	1.07-23	7.20-24	4.70-24	3.53-24	2.32-24	1.75-24	1.88-24	
ST. DEV.	1.96-25	2.07-25	1.99-25	2.10-25	1.91-25	1.94-25	1.29-25	1.73-25	1.63-25	2.00-25	
S	2.73-03	5.25-03	7.11-03	5.71-03	3.84-03	2.51-03	1.88-03	1.23-03	9.34-04	1.00-03	
ST. DEV.	1.04-04	1.10-04	1.06-04	1.12-04	1.02-04	1.03-04	6.88-05	9.20-05	8.67-05	1.07-04	
S/ALPHA	2.31-03	1.72-03	1.18-03	5.75-04	2.66-04	1.30-04	7.80-05	4.11-05	2.77-05	2.75-05	
ST. DEV.	8.83-05	3.62-05	1.76-05	1.13-05	7.03-06	5.36-06	2.85-06	3.07-06	2.57-06	2.94-06	

					BETA = -5.00+00						
ALPHA	1.31+00	3.11+00	5.98+00	9.75+00	1.41+01	1.88+01	2.35+01	2.91+01	3.27+01	3.53+01	
SIGPAR	3.60-24	7.62-24	1.16-23	1.03-23	7.55-24	4.65-24	3.42-24	1.85-24	1.71-24	1.75-24	
ST. DEV.	1.86-25	1.97-25	1.90-25	2.07-25	1.97-25	1.87-25	1.26-25	1.71-25	1.65-25	1.99-25	
S	1.55-03	3.28-03	5.00-03	4.45-03	3.25-03	2.00-03	1.47-03	7.96-04	7.35-04	7.54-04	
ST. DEV.	8.00-05	8.49-05	8.19-05	8.92-05	8.47-05	8.03-05	5.43-05	7.34-05	7.10-05	8.54-05	
S/ALPHA	1.18-03	1.05-03	8.36-04	4.57-04	2.30-04	1.06-04	6.27-05	2.73-05	2.25-05	2.14-05	
ST. DEV.	6.12-05	2.73-05	1.37-05	9.15-06	6.00-06	4.28-06	2.31-06	2.52-06	2.17-06	2.42-06	

					BETA = -5.50+00						
ALPHA	1.46+00	3.19+00	5.96+00	9.58+00	1.38+01	1.83+01	2.28+01	2.82+01	3.17+01	3.41+01	
SIGPAR	3.35-24	6.39-24	1.06-23	9.72-24	7.57-24	4.63-24	4.00-24	2.45-24	1.67-24	2.13-24	
ST. DEV.	1.94-25	1.94-25	1.81-25	2.07-25	1.92-25	1.87-25	1.29-25	1.73-25	1.70-25	2.04-25	
S	1.17-03	2.22-03	3.68-03	3.38-03	2.64-03	1.61-03	1.39-03	8.54-04	5.80-04	7.42-04	
ST. DEV.	6.77-05	6.74-05	6.29-05	7.19-05	6.67-05	6.49-05	4.50-05	6.02-05	5.90-05	7.10-05	
S/ALPHA	8.00-04	6.97-04	6.17-04	3.53-04	1.91-04	8.82-05	6.10-05	3.02-05	1.83-05	2.17-05	
ST. DEV.	4.64-05	2.11-05	1.06-05	7.50-06	4.84-06	3.55-06	1.98-06	2.13-06	1.86-06	2.08-06	

				BETA = -6.00+00							
ALPHA	1.63+00	3.30+00	5.95+00	9.43+00	1.35+01	1.78+01	2.21+01	2.73+01	3.06+01	3.30+01	
SIGPAR	2.97-24	6.12-24	9.17-24	9.03-24	7.18-24	4.87-24	4.22-24	2.43-24	1.51-24	2.11-24	
ST. DEV.	2.04-25	1.95-25	1.75-25	2.15-25	1.99-25	1.97-25	1.34-25	1.83-25	1.79-25	2.20-25	
S	8.40-04	1.73-03	2.59-03	2.55-03	2.03-03	1.38-03	1.19-03	6.88-04	4.26-04	5.96-04	
ST. DEV.	5.77-05	5.51-05	4.94-05	6.07-05	5.63-05	5.57-05	3.79-05	5.18-05	5.06-05	6.22-05	
S/ALPHA	5.15-04	5.25-04	4.35-04	2.70-04	1.51-04	7.74-05	5.39-05	2.52-05	1.39-05	1.81-05	
ST. DEV.	3.53-05	1.67-05	8.29-06	6.43-06	4.18-06	3.13-06	1.71-06	1.90-06	1.65-06	1.88-06	

				BETA = -6.50+00							
ALPHA	1.84+00	3.43+00	5.97+00	9.29+00	1.31+01	1.73+01	2.14+01	2.64+01	2.96+01	3.18+01	
SIGPAR	3.08-24	5.16-24	8.34-24	8.55-24	7.23-24	5.72-24	4.50-24	2.55-24	1.90-24	1.79-24	
ST. DEV.	2.11-25	1.95-25	1.66-25	2.12-25	1.97-25	1.94-25	1.32-25	1.83-25	1.78-25	2.24-25	
S	7.09-04	1.19-03	1.92-03	1.97-03	1.66-03	1.32-03	1.04-03	5.86-04	4.38-04	4.13-04	
ST. DEV.	4.86-05	4.49-05	3.82-05	4.88-05	4.52-05	4.47-05	3.05-05	4.21-05	4.11-05	5.15-05	
S/ALPHA	3.86-04	3.46-04	3.22-04	2.12-04	1.27-04	7.62-05	4.84-05	2.22-05	1.48-05	1.30-05	
ST. DEV.	2.64-05	1.31-05	6.41-06	5.25-06	3.44-06	2.59-06	1.42-06	1.59-06	1.39-06	1.62-06	

				BETA = -7.00+00							
ALPHA	2.08+00	3.59+00	6.01+00	9.17+00	1.28+01	1.68+01	2.07+01	2.55+01	2.85+01	3.06+01	
SIGPAR	2.75-24	4.94-24	7.61-24	7.92-24	6.78-24	5.14-24	4.31-24	2.29-24	2.28-24	2.31-24	
ST. DEV.	2.10-25	1.93-25	1.56-25	2.08-25	1.94-25	1.93-25	1.34-25	1.82-25	1.74-25	2.23-25	
S	5.18-04	9.31-04	1.43-03	1.49-03	1.28-03	9.69-04	8.11-04	4.31-04	4.29-04	4.34-04	
ST. DEV.	3.96-05	3.64-05	2.94-05	3.91-05	3.65-05	3.64-05	2.53-05	3.43-05	3.28-05	4.21-05	
S/ALPHA	2.49-04	2.59-04	2.39-04	1.63-04	9.94-05	5.78-05	3.92-05	1.69-05	1.50-05	1.42-05	
ST. DEV.	1.90-05	1.01-05	4.90-06	4.26-06	2.84-06	2.17-06	1.22-06	1.35-06	1.15-06	1.37-06	

				BETA = -7.50+00							
ALPHA	2.36+00	3.79+00	6.08+00	9.07+00	1.25+01	1.63+01	2.00+01	2.45+01	2.73+01	2.94+01	
SIGPAR	4.00-24	4.77-24	7.26-24	7.69-24	6.46-24	5.94-24	4.46-24	2.22-24	2.49-24	2.88-24	
ST. DEV.	2.24-25	2.00-25	1.60-25	2.09-25	2.03-25	2.02-25	1.39-25	1.98-25	1.91-25	2.39-25	
S	6.20-04	7.38-04	1.12-03	1.19-03	1.00-03	9.20-04	6.91-04	3.44-04	3.85-04	4.47-04	
ST. DEV.	3.47-05	3.09-05	2.48-05	3.24-05	3.14-05	3.13-05	2.16-05	3.06-05	2.96-05	3.71-05	
S/ALPHA	2.63-04	1.95-04	1.85-04	1.31-04	7.97-05	5.66-05	3.46-05	1.40-05	1.41-05	1.52-05	
ST. DEV.	1.47-05	8.15-06	4.08-06	3.57-06	2.50-06	1.93-06	1.08-06	1.25-06	1.08-06	1.26-06	

					BETA = -8.00+00							
ALPHA	2.69+00	4.03+00	6.18+00	9.00+00	1.23+01	1.58+01	1.93+01	2.35+01	2.62+01	2.81+01		
SIGPAR	4.64-24	5.46-24	6.45-24	6.56-24	6.99-24	5.53-24	5.02-24	3.46-24	2.51-24	3.13-24		
ST. DEV.	2.44-25	2.11-25	1.62-25	2.22-25	2.17-25	2.19-25	1.46-25	2.05-25	2.06-25	2.56-25		
S	5.96-04	7.00-04	8.28-04	8.42-04	8.97-04	7.10-04	6.44-04	4.44-04	3.23-04	4.02-04		
ST. DEV.	3.14-05	2.71-05	2.07-05	2.85-05	2.78-05	2.81-05	1.88-05	2.64-05	2.64-05	3.29-05		
S/ALPHA	2.22-04	1.74-04	1.34-04	9.36-05	7.31-05	4.51-05	3.34-05	1.89-05	1.23-05	1.43-05		
ST. DEV.	1.17-05	6.72-06	3.35-06	3.17-06	2.27-06	1.78-06	9.76-07	1.12-06	1.01-06	1.17-06		

					BETA = -8.50+00							
ALPHA	3.07+00	4.33+00	6.33+00	8.95+00	1.20+01	1.53+01	1.85+01	2.25+01	2.50+01	2.67+01		
SIGPAR	4.08-24	4.41-24	6.09-24	6.78-24	6.06-24	6.02-24	4.80-24	3.36-24	2.88-24	3.17-24		
ST. DEV.	2.55-25	2.23-25	1.59-25	2.31-25	2.27-25	2.23-25	1.54-25	2.21-25	2.16-25	2.75-25		
S	4.37-04	4.73-04	6.53-04	7.28-04	6.50-04	6.46-04	5.14-04	3.61-04	3.09-04	3.40-04		
ST. DEV.	2.73-05	2.39-05	1.70-05	2.47-05	2.43-05	2.39-05	1.65-05	2.37-05	2.31-05	2.95-05		
S/ALPHA	1.43-04	1.09-04	1.03-04	8.13-05	5.41-05	4.23-05	2.78-05	1.61-05	1.24-05	1.27-05		
ST. DEV.	8.90-06	5.52-06	2.69-06	2.76-06	2.03-06	1.57-06	8.91-07	1.06-06	9.26-07	1.10-06		

					BETA = -9.00+00							
ALPHA	3.52+00	4.68+00	6.53+00	8.94+00	1.18+01	1.47+01	1.78+01	2.14+01	2.37+01	2.53+01		
SIGPAR	2.82-24	3.59-24	5.61-24	5.64-24	5.34-24	4.98-24	4.85-24	3.37-24	3.73-24	3.02-24		
ST. DEV.	2.63-25	2.30-25	1.62-25	2.44-25	2.39-25	2.36-25	1.58-25	2.41-25	2.36-25	2.98-25		
S	2.55-04	3.25-04	5.08-04	5.12-04	4.84-04	4.51-04	4.40-04	3.05-04	3.38-04	2.74-04		
ST. DEV.	2.38-05	2.09-05	1.47-05	2.22-05	2.17-05	2.14-05	1.43-05	2.18-05	2.14-05	2.70-05		
S/ALPHA	7.25-05	6.95-05	7.79-05	5.72-05	4.12-05	3.06-05	2.48-05	1.43-05	1.43-05	1.08-05		
ST. DEV.	6.77-06	4.46-06	2.25-06	2.48-06	1.85-06	1.45-06	8.06-07	1.02-06	9.01-07	1.07-06		

					BETA = -9.50+00							
ALPHA	4.07+00	5.12+00	6.79+00	8.98+00	1.15+01	1.42+01	1.70+01	2.03+01	2.24+01	2.38+01		
SIGPAR	2.64-24	3.84-24	5.09-24	5.37-24	4.65-24	4.50-24	4.68-24	3.61-24	3.32-24	3.51-24		
ST. DEV.	2.92-25	2.53-25	1.70-25	2.63-25	2.53-25	2.61-25	1.66-25	2.64-25	2.54-25	3.19-25		
S	2.06-04	2.99-04	3.97-04	4.18-04	3.62-04	3.50-04	3.64-04	2.81-04	2.59-04	2.73-04		
ST. DEV.	2.27-05	1.97-05	1.38-05	2.05-05	1.97-05	2.03-05	1.29-05	2.06-05	1.98-05	2.49-05		
S/ALPHA	5.06-05	5.85-05	5.84-05	4.65-05	3.14-05	2.46-05	2.15-05	1.39-05	1.16-05	1.15-05		
ST. DEV.	5.59-06	3.85-06	1.95-06	2.28-06	1.71-06	1.43-06	7.63-07	1.01-06	8.84-07	1.04-06		

				BETA = -1.00+01								
ALPHA	4.73+00	5.66+00	7.14+00	9.08+00	1.13+01	1.37+01	1.62+01	1.91+01	2.09+01	2.22+01		
SIGPAR	2.74-24	3.20-24	3.30-24	4.87-24	4.42-24	4.82-24	4.43-24	3.64-24	3.36-24	3.93-24		
ST. DEV.	3.31-25	2.81-25	1.80-25	2.89-25	2.83-25	2.88-25	1.79-25	2.96-25	2.85-25	3.66-25		
S	1.88-04	2.19-04	2.28-04	3.34-04	3.03-04	3.30-04	3.04-04	2.49-04	2.30-04	2.69-04		
ST. DEV.	2.27-05	1.92-05	1.24-05	1.98-05	1.94-05	1.98-05	1.23-05	2.03-05	1.96-05	2.51-05		
S/ALPHA	3.97-05	3.88-05	3.19-05	3.67-05	2.68-05	2.40-05	1.88-05	1.31-05	1.10-05	1.21-05		
ST. DEV.	4.79-06	3.40-06	1.73-06	2.18-06	1.71-06	1.44-06	7.59-07	1.06-06	9.35-07	1.13-06		

				BETA = -1.05+01								
ALPHA	5.57+00	6.36+00	7.62+00	9.27+00	1.12+01	1.32+01	1.53+01	1.78+01	1.93+01	2.05+01		
SIGPAR	1.85-24	3.19-24	4.20-24	3.92-24	3.43-24	2.10-24	3.70-24	2.96-24	3.41-24	4.43-24		
ST. DEV.	3.90-25	3.30-25	2.07-25	3.36-25	3.28-25	3.46-25	2.03-25	3.52-25	3.33-25	4.37-25		
S	1.16-04	2.00-04	2.60-04	2.46-04	2.15-04	1.32-04	2.30-04	1.86-04	2.14-04	2.78-04		
ST. DEV.	2.45-05	2.07-05	1.30-05	2.11-05	2.06-05	2.17-05	1.27-05	2.21-05	2.09-05	2.74-05		
S/ALPHA	2.08-05	3.15-05	3.41-05	2.65-05	1.93-05	9.98-06	1.50-05	1.05-05	1.11-05	1.36-05		
ST. DEV.	4.39-06	3.26-06	1.71-06	2.27-06	1.84-06	1.64-06	8.32-07	1.24-06	1.08-06	1.34-06		

TABLE V. H₂O, Al(220), He³ counters, 1.5 m flight path

BETA = 3.00+00										
ALPHA	1.32+00	4.79+00	1.03+01	1.76+01	2.60+01	3.50+01	4.41+01	6.19+01	6.68+01	
SIGPAR	4.17-24	3.59-24	2.00-24	1.39-24	4.84-25	4.22-25	4.00-25	6.60-25	1.32-25	
ST. DEV.	1.57-25	1.64-25	1.48-25	1.40-25	1.28-25	1.22-25	1.64-25	1.77-25	1.90-25	
S	6.75-02	5.82-02	3.23-02	2.25-02	7.84-03	6.83-03	6.47-03	1.07-02	2.13-03	
ST. DEV.	2.54-03	2.65-03	2.40-03	2.27-03	2.07-03	1.97-03	2.66-03	2.87-03	3.08-03	
S/ALPHA	5.11-02	1.21-02	3.13-03	1.28-03	3.01-04	1.95-04	1.47-04	1.73-04	3.19-05	
ST. DEV.	1.92-03	5.52-04	2.32-04	1.29-04	7.95-05	5.63-05	6.03-05	4.63-05	4.61-05	
BETA = 2.50+00										
ALPHA	1.27+00	4.69+00	1.02+01	1.73+01	2.56+01	3.45+01	4.34+01	6.10+01	6.59+01	
SIGPAR	7.02-24	5.79-24	3.15-24	2.14-24	8.50-25	5.96-25	3.27-25	8.48-25	3.67-26	
ST. DEV.	2.75-25	2.81-25	2.43-25	2.24-25	2.01-25	1.87-25	2.46-25	2.67-25	2.74-25	
S	8.97-02	7.39-02	4.02-02	2.73-02	1.09-02	7.61-03	4.18-03	1.08-02	4.69-04	
ST. DEV.	3.52-03	3.59-03	3.10-03	2.86-03	2.57-03	2.38-03	3.14-03	3.41-03	3.50-03	
S/ALPHA	7.08-02	1.57-02	3.95-03	1.58-03	4.24-04	2.20-04	9.63-05	1.77-04	7.12-06	
ST. DEV.	2.78-03	7.65-04	3.05-04	1.65-04	1.00-04	6.91-05	7.22-05	5.59-05	5.31-05	
BETA = 2.00+00										
ALPHA	1.22+00	4.60+00	9.99+00	1.71+01	2.53+01	3.40+01	4.28+01	6.02+01	6.49+01	
SIGPAR	1.65-23	1.03-23	4.79-24	2.72-24	1.03-24	5.72-25	4.78-25	4.48-25	8.06-26	
ST. DEV.	2.87-25	2.70-25	2.16-25	1.83-25	1.64-25	1.50-25	1.81-25	2.03-25	2.08-25	
S	1.66-01	1.04-01	4.83-02	2.74-02	1.04-02	5.77-03	4.82-03	4.52-03	8.13-04	
ST. DEV.	2.90-03	2.72-03	2.18-03	1.85-03	1.66-03	1.52-03	1.83-03	2.05-03	2.10-03	
S/ALPHA	1.36-01	2.26-02	4.83-03	1.61-03	4.11-04	1.70-04	1.13-04	7.51-05	1.25-05	
ST. DEV.	2.38-03	5.92-04	2.18-04	1.08-04	6.55-05	4.45-05	4.27-05	3.41-05	3.23-05	
BETA = 1.50+00										
ALPHA	1.18+00	4.51+00	9.83+00	1.68+01	2.49+01	3.35+01	4.22+01	5.93+01	6.40+01	
SIGPAR	2.42-23	1.40-23	6.12-24	3.19-24	1.17-24	5.52-25	6.01-25	1.20-25	1.16-25	
ST. DEV.	4.71-25	4.33-25	3.39-25	2.78-25	2.49-25	2.26-25	2.60-25	2.98-25	3.04-25	
S	1.93-01	1.11-01	4.88-02	2.54-02	9.34-03	4.40-03	4.79-03	9.57-04	9.27-04	
ST. DEV.	3.75-03	3.45-03	2.70-03	2.22-03	1.98-03	1.80-03	2.07-03	2.37-03	2.42-03	
S/ALPHA	1.64-01	2.47-02	4.96-03	1.51-03	3.75-04	1.31-04	1.13-04	1.61-05	1.45-05	
ST. DEV.	3.19-03	7.65-04	2.74-04	1.32-04	7.96-05	5.37-05	4.92-05	4.00-05	3.78-05	

				BETA	=	1.00+00				
ALPHA	1.14+00	4.42+00	9.67+00	1.65+01	2.45+01	3.30+01	4.16+01	5.84+01	6.30+01	
SIGPAR	5.50-23	2.58-23	1.09-23	4.70-24	1.77-24	7.06-25	1.17-24	-6.48-25	6.20-25	
ST. DEV.	6.16-25	5.09-25	3.68-25	2.91-25	2.44-25	2.27-25	2.47-25	2.80-25	2.83-25	
S	3.46-01	1.63-01	6.89-02	2.96-02	1.11-02	4.44-03	7.35-03	-4.08-03	3.90-03	
ST. DEV.	3.88-03	3.20-03	2.32-03	1.83-03	1.54-03	1.43-03	1.55-03	1.76-03	1.78-03	
S/ALPHA	3.04-01	3.68-02	7.12-03	1.79-03	4.54-04	1.35-04	1.77-04	-6.98-05	6.19-05	
ST. DEV.	3.40-03	7.24-04	2.40-04	1.11-04	6.28-05	4.32-05	3.74-05	3.02-05	2.82-05	

				BETA	=	5.00-01				
ALPHA	1.11+00	4.35+00	9.51+00	1.63+01	2.41+01	3.25+01	4.09+01	5.75+01	6.21+01	
SIGPAR	6.57-23	3.02-23	1.29-23	5.12-24	2.17-24	8.15-25	1.21-24	-5.28-25	6.83-25	
ST. DEV.	5.93-25	4.88-25	3.53-25	2.79-25	2.33-25	2.16-25	2.35-25	2.65-25	2.69-25	
S	3.27-01	1.50-01	6.44-02	2.55-02	1.08-02	4.06-03	6.01-03	-2.63-03	3.40-03	
ST. DEV.	2.95-03	2.43-03	1.75-03	1.39-03	1.16-03	1.07-03	1.17-03	1.32-03	1.34-03	
S/ALPHA	2.94-01	3.46-02	6.77-03	1.57-03	4.49-04	1.25-04	1.47-04	-4.57-05	5.48-05	
ST. DEV.	2.65-03	5.59-04	1.84-04	8.52-05	4.48-05	3.31-05	2.86-05	2.29-05	2.15-05	

				BETA	=	-1.46-07				
ALPHA	1.09+00	4.28+00	9.36+00	1.60+01	2.37+01	3.20+01	4.03+01	5.66+01	6.11+01	
SIGPAR	8.08-23	3.69-23	1.65-23	5.58-24	3.14-24	1.08-24	9.85-25	3.48-25	5.68-25	
ST. DEV.	8.41-25	6.89-25	5.01-25	3.98-25	3.21-25	2.97-25	3.25-25	3.54-25	3.70-25	
S	3.18-01	1.45-01	6.49-02	2.20-02	1.24-02	4.25-03	3.88-03	1.37-03	2.24-03	
ST. DEV.	3.31-03	2.71-03	1.97-03	1.57-03	1.27-03	1.17-03	1.28-03	1.39-03	1.46-03	
S/ALPHA	2.92-01	3.40-02	6.93-03	1.37-03	5.20-04	1.33-04	9.63-05	2.42-05	3.66-05	
ST. DEV.	3.03-03	6.35-04	2.11-04	9.79-05	5.33-05	3.65-05	3.18-05	2.46-05	2.38-05	

				BETA	= -5.00-01					
ALPHA	1.08+00	4.21+00	9.22+00	1.58+01	2.34+01	3.15+01	3.96+01	5.57+01	6.02+01	
SIGPAR	5.58-23	3.52-23	1.69-23	6.78-24	3.76-24	1.56-24	1.60-24	3.71-25	1.04-24	
ST. DEV.	5.70-25	5.20-25	4.14-25	3.37-25	2.77-25	2.60-25	2.63-25	2.94-25	3.05-25	
S	2.05-01	1.10-01	5.28-02	2.11-02	1.17-02	4.85-03	4.99-03	1.16-03	3.23-03	
ST. DEV.	1.78-03	1.62-03	1.29-03	1.05-03	8.63-04	8.11-04	8.20-04	9.16-04	9.50-04	
S/ALPHA	1.90-01	2.61-02	5.72-03	1.34-03	5.02-04	1.54-04	1.26-04	2.08-05	5.37-05	
ST. DEV.	1.65-03	3.85-04	1.40-04	6.67-05	3.69-05	2.57-05	2.07-05	1.64-05	1.58-05	

BETA = -1.00+00

ALPHA	1.07+00	4.16+00	9.08+00	1.55+01	2.30+01	3.10+01	3.90+01	5.48+01	5.92+01
SIGPAR	5.03-23	3.24-23	1.71-23	7.45-24	4.06-24	1.70-24	2.08-24	5.00-25	1.07-24
ST. DEV.	4.87-25	4.64-25	3.80-25	3.16-25	2.61-25	2.44-25	2.45-25	2.76-25	2.84-25
S	1.24-01	8.01-02	4.22-02	1.84-02	1.00-02	4.19-03	5.14-03	1.23-03	2.65-03
ST. DEV.	1.20-03	1.14-03	9.38-04	7.80-04	6.43-04	6.03-04	6.05-04	6.82-04	7.01-04
S/ALPHA	1.16-01	1.93-02	4.65-03	1.18-03	4.36-04	1.35-04	1.32-04	2.25-05	4.47-05
ST. DEV.	1.12-03	2.75-04	1.03-04	5.03-05	2.80-05	1.95-05	1.55-05	1.24-05	1.18-05

BETA = -1.50+00

ALPHA	1.08+00	4.11+00	8.95+00	1.53+01	2.26+01	3.05+01	3.84+01	5.39+01	5.82+01
SIGPAR	3.13-23	2.84-23	1.71-23	7.99-24	4.22-24	1.68-24	2.57-24	7.14-25	8.56-25
ST. DEV.	4.93-25	5.34-25	4.69-25	4.13-25	3.44-25	3.18-25	3.20-25	3.66-25	3.68-25
S	6.12-02	5.55-02	3.35-02	1.56-02	8.25-03	3.29-03	5.03-03	1.40-03	1.67-03
ST. DEV.	9.64-04	1.04-03	9.17-04	8.08-04	6.72-04	6.22-04	6.25-04	7.15-04	7.20-04
S/ALPHA	5.69-02	1.35-02	3.74-03	1.02-03	3.65-04	1.08-04	1.31-04	2.59-05	2.88-05
ST. DEV.	8.96-04	2.54-04	1.02-04	5.29-05	2.97-05	2.04-05	1.63-05	1.33-05	1.24-05

BETA = -2.00+00

ALPHA	1.09+00	4.07+00	8.82+00	1.50+01	2.23+01	3.00+01	3.77+01	5.30+01	5.72+01
SIGPAR	2.02-23	2.43-23	1.59-23	8.69-24	3.98-24	1.76-24	2.69-24	7.72-25	6.74-25
ST. DEV.	4.39-25	5.13-25	4.88-25	4.33-25	3.88-25	3.61-25	3.42-25	4.05-25	4.19-25
S	3.14-02	3.76-02	2.46-02	1.35-02	6.16-03	2.73-03	4.17-03	1.20-03	1.04-03
ST. DEV.	6.81-04	7.96-04	7.57-04	6.72-04	6.01-04	5.60-04	5.31-04	6.27-04	6.49-04
S/ALPHA	2.88-02	9.26-03	2.79-03	8.96-04	2.77-04	9.10-05	1.11-04	2.26-05	1.82-05
ST. DEV.	6.25-04	1.96-04	8.58-05	4.46-05	2.70-05	1.87-05	1.41-05	1.18-05	1.13-05

BETA = -2.50+00

ALPHA	1.11+00	4.03+00	8.70+00	1.48+01	2.19+01	2.95+01	3.71+01	5.21+01	5.62+01
SIGPAR	1.63-23	2.27-23	1.54-23	8.42-24	4.34-24	2.47-24	2.21-24	1.53-24	1.20-24
ST. DEV.	3.53-25	4.29-25	4.02-25	3.76-25	3.40-25	3.20-25	3.07-25	3.57-25	3.78-25
S	2.00-02	2.79-02	1.90-02	1.04-02	5.34-03	3.04-03	2.71-03	1.88-03	1.48-03
ST. DEV.	4.34-04	5.27-04	4.94-04	4.63-04	4.19-04	3.93-04	3.78-04	4.39-04	4.64-04
S/ALPHA	1.80-02	6.91-03	2.18-03	6.99-04	2.44-04	1.03-04	7.32-05	3.62-05	2.63-05
ST. DEV.	3.91-04	1.31-04	5.68-05	3.12-05	1.91-05	1.33-05	1.02-05	8.42-06	8.26-06

				BETA = -3.00+00					
ALPHA	1.14+00	4.01+00	8.59+00	1.46+01	2.15+01	2.90+01	3.64+01	5.12+01	5.52+01
SIGPAR	1.39-23	2.13-23	1.50-23	8.22-24	4.68-24	2.69-24	2.27-24	1.14-24	1.25-24
ST. DEV.	3.09-25	3.70-25	3.50-25	3.41-25	2.94-25	2.85-25	2.76-25	3.32-25	3.43-25
S	1.35-02	2.07-02	1.47-02	8.02-03	4.57-03	2.63-03	2.21-03	1.12-03	1.22-03
ST. DEV.	3.02-04	3.61-04	3.41-04	3.33-04	2.87-04	2.78-04	2.70-04	3.24-04	3.34-04
S/ALPHA	1.19-02	5.17-03	1.71-03	5.50-04	2.12-04	9.07-05	6.07-05	2.18-05	2.20-05
ST. DEV.	2.64-04	9.01-05	3.97-05	2.28-05	1.33-05	9.61-06	7.40-06	6.33-06	6.06-06

				BETA = -3.50+00					
ALPHA	1.18+00	4.00+00	8.48+00	1.44+01	2.12+01	2.85+01	3.58+01	5.02+01	5.42+01
SIGPAR	1.11-23	1.86-23	1.57-23	8.97-24	4.89-24	3.21-24	2.13-24	1.48-24	1.08-24
ST. DEV.	2.88-25	3.39-25	3.36-25	3.19-25	2.85-25	2.75-25	2.69-25	3.14-25	3.37-25
S	8.58-03	1.44-02	1.22-02	6.95-03	3.79-03	2.49-03	1.65-03	1.15-03	8.38-04
ST. DEV.	2.23-04	2.63-04	2.60-04	2.48-04	2.21-04	2.14-04	2.08-04	2.43-04	2.61-04
S/ALPHA	7.25-03	3.61-03	1.44-03	4.84-04	1.79-04	8.73-05	4.62-05	2.28-05	1.55-05
ST. DEV.	1.89-04	6.58-05	3.07-05	1.72-05	1.04-05	7.50-06	5.82-06	4.84-06	4.82-06

				BETA = -4.00+00					
ALPHA	1.24+00	3.99+00	8.39+00	1.41+01	2.08+01	2.80+01	3.51+01	4.93+01	5.31+01
SIGPAR	8.50-24	1.57-23	1.45-23	9.20-24	4.80-24	3.20-24	2.44-24	1.55-24	1.65-24
ST. DEV.	2.82-25	3.31-25	3.24-25	3.16-25	2.95-25	2.89-25	2.63-25	3.27-25	3.42-25
S	5.24+03	9.69-03	8.97-03	5.67-03	2.96-03	1.97-03	1.51-03	9.53-04	1.02-03
ST. DEV.	1.74-04	2.04-04	2.00-04	1.95-04	1.82-04	1.78-04	1.62-04	2.01-04	2.11-04
S/ALPHA	4.24-03	2.43-03	1.07-03	4.01-04	1.42-04	7.06-05	4.29-05	1.94-05	1.92-05
ST. DEV.	1.41-04	5.11-05	2.38-05	1.38-05	8.73-06	6.37-06	4.62-06	4.09-06	3.97-06

				BETA = -4.50+00					
ALPHA	1.30+00	4.00+00	8.30+00	1.39+01	2.05+01	2.75+01	3.45+01	4.83+01	5.21+01
SIGPAR	6.51-24	1.36-23	1.32-23	9.32-24	4.75-24	2.96-24	2.26-24	1.24-24	1.82-24
ST. DEV.	2.76-25	3.45-25	3.42-25	3.31-25	3.06-25	3.10-25	2.75-25	3.54-25	3.68-25
S	3.20-03	6.65-03	6.48-03	4.57-03	2.33-03	1.45-03	1.11-03	6.11-04	8.94-04
ST. DEV.	1.35-04	1.69-04	1.68-04	1.62-04	1.50-04	1.52-04	1.35-04	1.74-04	1.81-04
S/ALPHA	2.45-03	1.66-03	7.81-04	3.28-04	1.14-04	5.29-05	3.22-05	1.26-05	1.72-05
ST. DEV.	1.04-04	4.23-05	2.02-05	1.16-05	7.33-06	5.54-06	3.92-06	3.59-06	3.47-06

BETA = -5.00+00

ALPHA	1.38+00	4.02+00	8.22+00	1.37+01	2.01+01	2.70+01	3.38+01	4.73+01	5.10+01
SIGPAR	5.24-24	1.13-23	1.25-23	9.80-24	5.04-24	2.81-24	1.75-24	1.71-24	1.08-24
ST. DEV.	3.05-25	3.60-25	3.80-25	3.55-25	3.36-25	3.46-25	3.15-25	3.92-25	4.18-25
S	2.05-03	4.42-03	4.87-03	3.83-03	1.97-03	1.10-03	6.84-04	6.69-04	4.21-04
ST. DEV.	1.19-04	1.41-04	1.48-04	1.39-04	1.31-04	1.35-04	1.23-04	1.53-04	1.63-04
S/ALPHA	1.48-03	1.10-03	5.92-04	2.79-04	9.79-05	4.07-05	2.02-05	1.41-05	8.24-06
ST. DEV.	8.63-05	3.50-05	1.81-05	1.01-05	6.53-06	5.02-06	3.64-06	3.23-06	3.20-06

BETA = -5.50+00

ALPHA	1.47+00	4.04+00	8.15+00	1.35+01	1.98+01	2.64+01	3.31+01	4.64+01	5.00+01
SIGPAR	4.41-24	9.87-24	1.10-23	8.98-24	5.58-24	3.16-24	2.07-24	1.12-24	9.10-25
ST. DEV.	2.81-25	3.54-25	3.61-25	3.51-25	3.29-25	3.30-25	2.96-25	4.03-25	4.12-25
S	1.37-03	3.08-03	3.42-03	2.80-03	1.74-03	9.85-04	6.45-04	3.49-04	2.84-04
ST. DEV.	8.76-05	1.10-04	1.12-04	1.09-04	1.03-04	1.03-04	9.22-05	1.26-04	1.29-04
S/ALPHA	9.33-04	7.60-04	4.19-04	2.07-04	8.79-05	3.72-05	1.94-05	7.54-06	5.67-06
ST. DEV.	5.95-05	2.73-05	1.38-05	8.09-06	5.19-06	3.89-06	2.78-06	2.71-06	2.57-06

BETA = -6.00+00

ALPHA	1.58+00	4.09+00	8.10+00	1.33+01	1.94+01	2.59+01	3.25+01	4.54+01	4.89+01
SIGPAR	3.66-24	8.84-24	9.85-24	8.86-24	5.39-24	2.57-24	2.31-24	7.57-25	1.20-24
ST. DEV.	2.56-25	3.13-25	3.24-25	3.20-25	2.95-25	3.02-25	2.85-25	3.73-25	3.77-25
S	9.11-04	2.20-03	2.45-03	2.20-03	1.34-03	6.39-04	5.76-04	1.88-04	2.99-04
ST. DEV.	6.37-05	7.78-05	8.07-05	7.96-05	7.34-05	7.52-05	7.10-05	9.28-05	9.39-05
S/ALPHA	5.78-04	5.38-04	3.03-04	1.65-04	6.91-05	2.46-05	1.77-05	4.15-06	6.11-06
ST. DEV.	4.04-05	1.90-05	9.97-06	5.97-06	3.77-06	2.90-06	2.19-06	2.05-06	1.92-06

BETA = -6.50+00

ALPHA	1.70+00	4.14+00	8.05+00	1.32+01	1.91+01	2.54+01	3.18+01	4.44+01	4.78+01
SIGPAR	3.04-24	8.16-24	9.36-24	8.37-24	4.84-24	2.99-24	2.44-24	1.48-24	9.16-25
ST. DEV.	2.69-25	3.20-25	3.41-25	3.26-25	3.09-25	3.19-25	3.04-25	3.78-25	3.99-25
S	6.04-04	1.62-03	1.86-03	1.66-03	9.63-04	5.94-04	4.85-04	2.93-04	1.82-04
ST. DEV.	5.35-05	6.36-05	6.78-05	6.48-05	6.14-05	6.35-05	6.06-05	7.51-05	7.93-05
S/ALPHA	3.56-04	3.91-04	2.31-04	1.26-04	5.04-05	2.33-05	1.53-05	6.61-06	3.81-06
ST. DEV.	3.15-05	1.53-05	8.42-06	4.92-06	3.22-06	2.50-06	1.90-06	1.69-06	1.66-06

BETA = -7.00+00

ALPHA	1.84+00	4.22+00	8.02+00	1.30+01	1.88+01	2.49+01	3.11+01	4.33+01	4.67+01
SIGPAR	3.06-24	7.56-24	8.86-24	9.00-24	5.05-24	2.71-24	2.77-24	8.58-25	1.86-24
ST. DEV.	2.79-25	3.25-25	3.45-25	3.50-25	3.11-25	3.11-25	3.12-25	4.05-25	4.10-25
S	4.87-04	1.20-03	1.41-03	1.43-03	8.04-04	4.32-04	4.41-04	1.37-04	2.96-04
ST. DEV.	4.44-05	5.18-05	5.49-05	5.58-05	4.95-05	4.96-05	4.97-05	6.44-05	6.53-05
S/ALPHA	2.65-04	2.85-04	1.76-04	1.10-04	4.28-05	1.73-05	1.42-05	3.15-06	6.34-06
ST. DEV.	2.42-05	1.23-05	6.85-06	4.29-06	2.64-06	1.99-06	1.60-06	1.49-06	1.40-06

BETA = -7.50+00

ALPHA	1.99+00	4.31+00	8.00+00	1.28+01	1.84+01	2.44+01	3.04+01	4.23+01	4.56+01
SIGPAR	3.82-24	6.50-24	8.85-24	9.06-24	5.21-24	3.18-24	2.84-24	1.60-24	9.87-25
ST. DEV.	2.80-25	3.17-25	3.25-25	3.33-25	3.00-25	2.91-25	3.05-25	3.68-25	4.01-25
S	4.88-04	8.30-04	1.13-03	1.16-03	6.66-04	4.06-04	3.62-04	2.04-04	1.26-04
ST. DEV.	3.57-05	4.05-05	4.14-05	4.25-05	3.83-05	3.71-05	3.90-05	4.69-05	5.12-05
S/ALPHA	2.45-04	1.93-04	1.41-04	9.01-05	3.61-05	1.66-05	1.19-05	4.82-06	2.76-06
ST. DEV.	1.79-05	9.41-06	5.18-06	3.31-06	2.08-06	1.52-06	1.28-06	1.11-06	1.12-06

BETA = -8.00+00

ALPHA	2.17+00	4.41+00	7.99+00	1.27+01	1.81+01	2.39+01	2.98+01	4.13+01	4.44+01
SIGPAR	4.22-24	6.57-24	8.25-24	8.73-24	5.10-24	3.67-24	3.14-24	2.38-24	1.71-24
ST. DEV.	2.91-25	3.12-25	3.21-25	3.32-25	3.03-25	3.07-25	3.09-25	3.86-25	3.92-25
S	4.32-04	6.74-04	8.46-04	8.95-04	5.22-04	3.76-04	3.22-04	2.45-04	1.76-04
ST. DEV.	2.98-05	3.20-05	3.29-05	3.40-05	3.11-05	3.15-05	3.17-05	3.96-05	4.02-05
S/ALPHA	1.99-04	1.53-04	1.06-04	7.06-05	2.88-05	1.57-05	1.08-05	5.92-06	3.95-06
ST. DEV.	1.37-05	7.25-06	4.12-06	2.68-06	1.72-06	1.31-06	1.06-06	9.59-07	9.04-07

BETA = -8.50+00

ALPHA	2.37+00	4.54+00	8.00+00	1.25+01	1.78+01	2.34+01	2.91+01	4.02+01	4.33+01
SIGPAR	4.23-24	5.36-24	7.97-24	8.40-24	5.90-24	4.39-24	2.79-24	1.34-24	1.05-24
ST. DEV.	2.84-25	3.29-25	3.21-25	3.41-25	3.19-25	3.00-25	3.24-25	4.11-25	4.21-25
S	3.49-04	4.43-04	6.58-04	6.93-04	4.87-04	3.62-04	2.30-04	1.10-04	8.64-05
ST. DEV.	2.34-05	2.71-05	2.65-05	2.81-05	2.63-05	2.47-05	2.67-05	3.39-05	3.47-05
S/ALPHA	1.47-04	9.75-05	8.22-05	5.53-05	2.73-05	1.55-05	7.92-06	2.75-06	2.00-06
ST. DEV.	9.89-06	5.98-06	3.31-06	2.24-06	1.48-06	1.06-06	9.20-07	8.44-07	8.03-07

BETA = -9.00+00

ALPHA	2.59+00	4.69+00	8.03+00	1.24+01	1.75+01	2.29+01	2.84+01	3.91+01	4.21+01
SIGPAR	3.51-24	5.18-24	7.40-24	8.20-24	6.49-24	4.63-24	3.25-24	1.28-24	9.76-25
ST. DEV.	3.17-25	3.40-25	3.44-25	3.60-25	3.35-25	3.28-25	3.55-25	4.42-25	4.57-25
S	2.34-04	3.45-04	4.92-04	5.46-04	4.32-04	3.09-04	2.16-04	8.54-05	6.50-05
ST. DEV.	2.11-05	2.26-05	2.29-05	2.40-05	2.23-05	2.19-05	2.36-05	2.94-05	3.04-05
S/ALPHA	9.00-05	7.35-05	6.13-05	4.40-05	2.47-05	1.35-05	7.62-06	2.18-06	1.54-06
ST. DEV.	8.14-06	4.83-06	2.85-06	1.93-06	1.27-06	9.54-07	8.32-07	7.52-07	7.23-07

BETA = -9.50+00

ALPHA	2.84+00	4.86+00	8.08+00	1.23+01	1.72+01	2.24+01	2.77+01	3.80+01	4.09+01
SIGPAR	2.85-24	4.95-24	7.02-24	8.21-24	5.55-24	4.28-24	3.74-24	2.47-24	1.99-24
ST. DEV.	3.12-25	3.40-25	3.41-25	3.68-25	3.44-25	3.42-25	3.69-25	4.36-25	4.75-25
S	1.53-04	2.66-04	3.78-04	4.42-04	2.99-04	2.30-04	2.02-04	1.33-04	1.07-04
ST. DEV.	1.68-05	1.83-05	1.84-05	1.98-05	1.85-05	1.84-05	1.99-05	2.35-05	2.56-05
S/ALPHA	5.39-05	5.48-05	4.68-05	3.60-05	1.74-05	1.03-05	7.29-06	3.50-06	2.62-06
ST. DEV.	5.90-06	3.77-06	2.27-06	1.61-06	1.08-06	8.23-07	7.19-07	6.18-07	6.26-07

BETA = -1.00+01

ALPHA	3.12+00	5.06+00	8.15+00	1.22+01	1.69+01	2.19+01	2.69+01	3.69+01	3.96+01
SIGPAR	3.50-24	4.00-24	5.44-24	7.80-24	5.37-24	4.10-24	2.87-24	2.63-24	2.01-24
ST. DEV.	3.14-25	3.45-25	3.40-25	3.73-25	3.39-25	3.40-25	3.90-25	4.47-25	4.76-25
S	1.53-04	1.75-04	2.38-04	3.41-04	2.35-04	1.79-04	1.25-04	1.15-04	8.80-05
ST. DEV.	1.37-05	1.51-05	1.49-05	1.63-05	1.48-05	1.48-05	1.70-05	1.95-05	2.08-05
S/ALPHA	4.90-05	3.45-05	2.92-05	2.79-05	1.39-05	8.17-06	4.66-06	3.12-06	2.22-06
ST. DEV.	4.39-06	2.98-06	1.82-06	1.34-06	8.77-07	6.77-07	6.32-07	5.29-07	5.25-07

BETA = -1.05+01

ALPHA	3.44+00	5.29+00	8.25+00	1.21+01	1.66+01	2.14+01	2.62+01	3.57+01	3.83+01
SIGPAR	3.12-24	4.21-24	5.31-24	7.99-24	5.64-24	5.07-24	3.04-24	3.12-24	3.06-24
ST. DEV.	3.39-25	3.72-25	3.54-25	3.96-25	3.72-25	3.72-25	4.16-25	4.92-25	5.25-25
S	1.11-04	1.50-04	1.89-04	2.84-04	2.01-04	1.80-04	1.08-04	1.11-04	1.09-04
ST. DEV.	1.21-05	1.32-05	1.26-05	1.41-05	1.32-05	1.32-05	1.48-05	1.75-05	1.87-05
S/ALPHA	3.23-05	2.83-05	2.29-05	2.35-05	1.21-05	8.42-06	4.13-06	3.11-06	2.84-06
ST. DEV.	3.51-06	2.50-06	1.53-06	1.16-06	7.96-07	6.18-07	5.65-07	4.90-07	4.88-07

BETA = -1.10+01

ALPHA	3.79+00	5.56+00	8.37+00	1.21+01	1.63+01	2.09+01	2.55+01	3.45+01	3.70+01
SIGPAR	2.59-24	3.74-24	5.28-24	7.44-24	4.82-24	5.14-24	3.36-24	2.90-24	1.89-24
ST. DEV.	3.68-25	3.74-25	3.74-25	4.15-25	3.96-25	3.92-25	4.40-25	5.33-25	5.66-25
S	7.55-05	1.09-04	1.54-04	2.17-04	1.40-04	1.50-04	9.77-05	8.45-05	5.50-05
ST. DEV.	1.07-05	1.09-05	1.09-05	1.21-05	1.15-05	1.14-05	1.28-05	1.55-05	1.65-05
S/ALPHA	1.99-05	1.96-05	1.84-05	1.80-05	8.58-06	7.16-06	3.84-06	2.45-06	1.48-06
ST. DEV.	2.82-06	1.96-06	1.30-06	1.00-06	7.05-07	5.47-07	5.03-07	4.49-07	4.45-07

BETA = -1.15+01

ALPHA	4.19+00	5.86+00	8.53+00	1.20+01	1.61+01	2.04+01	2.47+01	3.33+01	3.57+01
SIGPAR	2.87-24	3.19-24	4.48-24	6.87-24	5.82-24	4.24-24	4.26-24	3.35-24	3.32-24
ST. DEV.	3.74-25	3.96-25	3.88-25	4.19-25	3.97-25	4.06-25	4.38-25	5.37-25	5.77-25
S	6.87-05	7.63-05	1.07-04	1.65-04	1.39-04	1.01-04	1.02-04	8.01-05	7.94-05
ST. DEV.	8.95-06	9.47-06	9.27-06	1.00-05	9.50-06	9.72-06	1.05-05	1.29-05	1.38-05
S/ALPHA	1.64-05	1.30-05	1.26-05	1.37-05	8.68-06	4.97-06	4.12-06	2.41-06	2.23-06
ST. DEV.	2.13-06	1.62-06	1.09-06	8.35-07	5.91-07	4.76-07	4.24-07	3.86-07	3.87-07

BETA = -1.20+01

ALPHA	4.65+00	6.22+00	8.73+00	1.20+01	1.58+01	1.99+01	2.40+01	3.20+01	3.43+01
SIGPAR	2.98-24	2.88-24	3.60-24	7.17-24	4.58-24	4.22-24	3.94-24	3.77-24	3.80-24
ST. DEV.	3.82-25	4.10-25	4.10-25	4.30-25	4.11-25	4.25-25	4.64-25	5.66-25	6.26-25
S	5.90-05	5.71-05	7.14-05	1.42-04	9.07-05	8.37-05	7.80-05	7.48-05	7.53-05
ST. DEV.	7.57-06	8.13-06	8.12-06	8.51-06	8.14-06	8.42-06	9.20-06	1.12-05	1.24-05
S/ALPHA	1.27-05	9.19-06	8.18-06	1.18-05	5.74-06	4.21-06	3.25-06	2.33-06	2.20-06
ST. DEV.	1.63-06	1.31-06	9.30-07	7.09-07	5.15-07	4.23-07	3.84-07	3.50-07	3.62-07

BETA = -1.25+01

ALPHA	5.16+00	6.63+00	8.97+00	1.20+01	1.56+01	1.94+01	2.32+01	3.07+01	3.28+01
SIGPAR	3.02-24	2.94-24	4.14-24	5.71-24	5.32-24	4.13-24	4.03-24	3.36-24	2.50-24
ST. DEV.	4.23-25	4.41-25	4.20-25	4.76-25	4.41-25	4.57-25	5.10-25	6.18-25	6.57-25
S	4.99-05	4.86-05	6.85-05	9.44-05	8.80-05	6.83-05	6.66-05	5.55-05	4.14-05
ST. DEV.	7.00-06	7.30-06	6.95-06	7.87-06	7.30-06	7.56-06	8.43-06	1.02-05	1.09-05
S/ALPHA	9.67-06	7.33-06	7.64-06	7.85-06	5.65-06	3.53-06	2.87-06	1.81-06	1.26-06
ST. DEV.	1.36-06	1.10-06	7.75-07	6.54-07	4.68-07	3.90-07	3.64-07	3.33-07	3.32-07

BETA = -1.30+01

ALPHA	5.76+00	7.11+00	9.27+00	1.21+01	1.54+01	1.89+01	2.24+01	2.93+01	3.12+01
SIGPAR	2.55-24	1.95-24	3.56-24	6.26-24	4.18-24	4.05-24	5.45-24	2.70-24	4.00-24
ST. DEV.	4.70-25	4.74-25	4.62-25	4.99-25	4.68-25	4.98-25	5.37-25	6.58-25	7.11-25
S	3.56-05	2.72-05	4.98-05	8.75-05	5.84-05	5.65-05	7.61-05	3.78-05	5.58-05
ST. DEV.	6.56-06	6.63-06	6.45-06	6.97-06	6.54-06	6.95-06	7.49-06	9.19-06	9.93-06
S/ALPHA	6.18-06	3.83-06	5.37-06	7.23-06	3.80-06	2.99-06	3.40-06	1.29-06	1.79-06
ST. DEV.	1.14-06	9.31-07	6.96-07	5.76-07	4.25-07	3.68-07	3.35-07	3.13-07	3.18-07

BETA = -1.35+01

ALPHA	6.46+00	7.69+00	9.65+00	1.22+01	1.52+01	1.84+01	2.16+01	2.79+01	2.96+01
SIGPAR	3.30-24	2.81-24	3.04-24	6.08-24	3.42-24	3.17-24	4.85-24	5.16-24	5.12-24
ST. DEV.	5.04-25	5.10-25	5.11-25	5.46-25	5.18-25	5.43-25	5.89-25	7.18-25	7.76-25
S	3.95-05	3.37-05	3.64-05	7.27-05	4.09-05	3.79-05	5.80-05	6.18-05	6.13-05
ST. DEV.	6.04-06	6.11-06	6.12-06	6.54-06	6.21-06	6.50-06	7.06-06	8.60-06	9.29-06
S/ALPHA	6.12-06	4.38-06	3.77-06	5.95-06	2.69-06	2.06-06	2.69-06	2.22-06	2.07-06
ST. DEV.	9.34-07	7.95-07	6.35-07	5.36-07	4.08-07	3.54-07	3.27-07	3.09-07	3.14-07

BETA = -1.40+01

ALPHA	7.29+00	8.38+00	1.01+01	1.24+01	1.50+01	1.79+01	2.07+01	2.63+01	2.78+01
SIGPAR	2.66-24	2.97-24	2.49-24	6.99-24	2.90-24	1.93-24	4.24-24	4.56-24	4.66-24
ST. DEV.	5.52-25	5.64-25	5.59-25	6.07-25	5.73-25	6.07-25	6.59-25	8.13-25	8.78-25
S	2.79-05	3.12-05	2.61-05	7.34-05	3.05-05	2.03-05	4.46-05	4.80-05	4.90-05
ST. DEV.	5.80-06	5.93-06	5.87-06	6.38-06	6.02-06	6.38-06	6.92-06	8.54-06	9.22-06
S/ALPHA	3.83-06	3.72-06	2.58-06	5.92-06	2.02-06	1.14-06	2.15-06	1.82-06	1.76-06
ST. DEV.	7.96-07	7.07-07	5.80-07	5.14-07	4.00-07	3.57-07	3.34-07	3.25-07	3.31-07

BETA = -1.45+01

ALPHA	8.33+00	9.26+00	1.07+01	1.27+01	1.50+01	1.74+01	1.98+01	2.46+01	2.59+01
SIGPAR	4.20-24	2.69-24	2.35-24	9.25-24	4.14-24	4.68-24	3.92-24	4.39-24	8.85-24
ST. DEV.	6.53-25	6.78-25	6.47-25	7.22-25	6.80-25	7.12-25	7.89-25	9.75-25	1.04-24
S	4.02-05	2.58-05	2.25-05	8.86-05	3.96-05	4.48-05	3.75-05	4.20-05	8.47-05
ST. DEV.	6.25-06	6.49-06	6.20-06	6.91-06	6.51-06	6.82-06	7.55-06	9.34-06	9.94-06
S/ALPHA	4.83-06	2.79-06	2.09-06	6.96-06	2.65-06	2.58-06	1.89-06	1.71-06	3.27-06
ST. DEV.	7.51-07	7.01-07	5.77-07	5.44-07	4.35-07	3.93-07	3.82-07	3.80-07	3.84-07

TABLE VI. H₂O, Al(220), He³ counters, 1.5 m flight path

				BETA = 3.50+00						
ALPHA	1.87+00	6.95+00	1.51+01	2.57+01	3.80+01	5.12+01	6.45+01	8.05+01	9.06+01	9.77+01
SIGPAR	1.50-23	6.56-24	2.46-24	7.23-25	5.23-25	3.11-25	2.65-25	-2.15-26	1.16-25	-1.31-25
ST. DEV.	2.24-25	1.83-25	1.29-25	1.08-25	9.25-26	9.20-26	1.02-25	1.03-25	1.07-25	1.31-25
S	3.20-01	1.40-01	5.26-02	1.54-02	1.12-02	6.64-03	5.66-03	-4.60-04	2.48-03	-2.79-03
ST. DEV.	4.78-03	3.92-03	2.76-03	2.30-03	1.97-03	1.97-03	2.19-03	2.19-03	2.29-03	2.79-03
S/ALPHA	1.71-01	2.01-02	3.49-03	6.00-04	2.93-04	1.30-04	8.78-05	-5.72-06	2.74-05	-2.86-05
ST. DEV.	2.56-03	5.63-04	1.83-04	8.96-05	5.19-05	3.84-05	3.39-05	2.72-05	2.53-05	2.85-05

				BETA = 3.00+00						
ALPHA	1.82+00	6.86+00	1.49+01	2.54+01	3.77+01	5.07+01	6.38+01	7.97+01	8.97+01	9.68+01
SIGPAR	1.49-23	6.51-24	2.44-24	7.17-25	5.19-25	3.08-25	2.63-25	-2.14-26	1.15-25	-1.30-25
ST. DEV.	2.22-25	1.82-25	1.28-25	1.07-25	9.18-26	9.13-26	1.02-25	1.02-25	1.07-25	1.30-25
S	2.49-01	1.09-01	4.10-02	1.20-02	8.71-03	5.18-03	4.42-03	-3.59-04	1.94-03	-2.18-03
ST. DEV.	3.73-03	3.06-03	2.16-03	1.80-03	1.54-03	1.53-03	1.71-03	1.71-03	1.79-03	2.18-03
S/ALPHA	1.37-01	1.59-02	2.75-03	4.73-04	2.31-04	1.02-04	6.92-05	-4.50-06	2.16-05	-2.25-05
ST. DEV.	2.05-03	4.46-04	1.45-04	7.07-05	4.09-05	3.02-05	2.67-05	2.14-05	2.00-05	2.25-05

				BETA = 2.50+00						
ALPHA	1.77+00	6.77+00	1.47+01	2.52+01	3.73+01	5.02+01	6.32+01	7.89+01	8.88+01	9.59+01
SIGPAR	1.47-23	6.46-24	2.42-24	7.12-25	5.15-25	3.06-25	2.61-25	-2.12-26	1.15-25	-1.29-25
ST. DEV.	2.20-25	1.81-25	1.27-25	1.06-25	9.11-26	9.07-26	1.01-25	1.01-25	1.06-25	1.29-25
S	1.95-01	8.52-02	3.20-02	9.40-03	6.80-03	4.04-03	3.45-03	-2.80-04	1.51-03	-1.70-03
ST. DEV.	2.91-03	2.39-03	1.68-03	1.40-03	1.20-03	1.20-03	1.33-03	1.33-03	1.40-03	1.70-03
S/ALPHA	1.10-01	1.26-02	2.17-03	3.73-04	1.82-04	8.04-05	5.45-05	-3.55-06	1.70-05	-1.77-05
ST. DEV.	1.64-03	3.52-04	1.14-04	5.57-05	3.23-05	2.38-05	2.11-05	1.69-05	1.57-05	1.77-05

				BETA = 2.00+00						
ALPHA	1.74+00	6.68+00	1.46+01	2.49+01	3.69+01	4.97+01	6.26+01	7.81+01	8.80+01	9.49+01
SIGPAR	3.12-23	1.29-23	4.44-24	1.59-24	8.51-25	5.96-25	3.08-25	6.76-26	2.37-25	1.68-25
ST. DEV.	2.79-25	2.09-25	1.39-25	1.12-25	9.28-26	8.60-26	9.67-26	9.57-26	9.81-26	1.13-25
S	3.24-01	1.33-01	4.61-02	1.65-02	8.84-03	6.19-03	3.20-03	7.02-04	2.46-03	1.74-03
ST. DEV.	2.90-03	2.17-03	1.44-03	1.16-03	9.63-04	8.92-04	1.00-03	9.93-04	1.02-03	1.17-03
S/ALPHA	1.87-01	2.00-02	3.16-03	6.62-04	2.39-04	1.24-04	5.11-05	8.98-06	2.79-05	1.84-05
ST. DEV.	1.67-03	3.25-04	9.89-05	4.65-05	2.61-05	1.80-05	1.60-05	1.27-05	1.16-05	1.23-05

BETA = 1.50+00

ALPHA	1.70+00	6.60+00	1.44+01	2.46+01	3.65+01	4.92+01	6.20+01	7.73+01	8.71+01	9.40+01
SIGPAR	3.51-23	1.44-23	4.91-24	1.79-24	9.29-25	6.64-25	3.18-25	8.92-26	2.65-25	2.40-25
ST. DEV.	3.42-25	2.56-25	1.69-25	1.36-25	1.13-25	1.04-25	1.17-25	1.16-25	1.19-25	1.36-25
S	2.87-01	1.17-01	4.01-02	1.47-02	7.59-03	5.42-03	2.60-03	7.28-04	2.17-03	1.96-03
ST. DEV.	2.80-03	2.09-03	1.38-03	1.11-03	9.22-04	8.52-04	9.58-04	9.48-04	9.71-04	1.11-03
S/ALPHA	1.68-01	1.78-02	2.78-03	5.94-04	2.08-04	1.10-04	4.19-05	9.41-06	2.49-05	2.09-05
ST. DEV.	1.64-03	3.16-04	9.59-05	4.50-05	2.53-05	1.73-05	1.55-05	1.23-05	1.12-05	1.18-05

BETA = 1.00+00

ALPHA	1.67+00	6.52+00	1.43+01	2.44+01	3.61+01	4.87+01	6.13+01	7.66+01	8.62+01	9.30+01
SIGPAR	3.48-23	1.42-23	4.87-24	1.78-24	9.22-25	6.59-25	3.16-25	8.84-26	2.63-25	2.39-25
ST. DEV.	3.40-25	2.54-25	1.68-25	1.35-25	1.12-25	1.04-25	1.16-25	1.15-25	1.18-25	1.35-25
S	2.24-01	9.15-02	3.13-02	1.14-02	5.92-03	4.23-03	2.03-03	5.68-04	1.69-03	1.53-03
ST. DEV.	2.18-03	1.63-03	1.08-03	8.66-04	7.20-04	6.65-04	7.48-04	7.40-04	7.58-04	8.69-04
S/ALPHA	1.34-01	1.40-02	2.19-03	4.69-04	1.64-04	8.69-05	3.31-05	7.42-06	1.96-05	1.65-05
ST. DEV.	1.30-03	2.50-04	7.57-05	3.55-05	1.99-05	1.36-05	1.22-05	9.67-06	8.79-06	9.34-06

BETA = 5.00-01

ALPHA	1.65+00	6.44+00	1.41+01	2.41+01	3.58+01	4.82+01	6.07+01	7.58+01	8.53+01	9.21+01
SIGPAR	4.35-23	1.93-23	7.34-24	2.73-24	1.49-24	7.10-25	6.64-25	4.17-25	4.22-25	5.07-25
ST. DEV.	3.35-25	2.59-25	1.75-25	1.36-25	1.10-25	1.07-25	1.07-25	1.09-25	1.13-25	1.28-25
S	2.20-01	9.78-02	3.71-02	1.38-02	7.52-03	3.59-03	3.35-03	2.11-03	2.13-03	2.56-03
ST. DEV.	1.69-03	1.31-03	8.84-04	6.86-04	5.56-04	5.39-04	5.40-04	5.52-04	5.71-04	6.49-04
S/ALPHA	1.33-01	1.52-02	2.63-03	5.72-04	2.10-04	7.45-05	5.53-05	2.78-05	2.50-05	2.78-05
ST. DEV.	1.03-03	2.03-04	6.27-05	2.84-05	1.56-05	1.12-05	8.89-06	7.29-06	6.69-06	7.05-06

BETA = 2.02-06

ALPHA	1.63+00	6.37+00	1.40+01	2.39+01	3.54+01	4.77+01	6.01+01	7.50+01	8.44+01	9.11+01
SIGPAR	4.49-23	2.02-23	7.77-24	2.90-24	1.59-24	7.16-25	7.26-25	4.78-25	4.50-25	5.56-25
ST. DEV.	3.92-25	3.04-25	2.05-25	1.59-25	1.29-25	1.25-25	1.25-25	1.28-25	1.32-25	1.50-25
S	1.79-01	8.04-02	3.09-02	1.15-02	6.31-03	2.85-03	2.89-03	1.90-03	1.79-03	2.21-03
ST. DEV.	1.56-03	1.21-03	8.15-04	6.32-04	5.13-04	4.97-04	4.96-04	5.08-04	5.25-04	5.97-04
S/ALPHA	1.10-01	1.26-02	2.21-03	4.82-04	1.78-04	5.97-05	4.81-05	2.54-05	2.12-05	2.43-05
ST. DEV.	9.59-04	1.89-04	5.84-05	2.65-05	1.45-05	1.04-05	8.26-06	6.78-06	6.22-06	6.55-06

BETA = -5.00-01

ALPHA	1.61+00	6.31+00	1.38+01	2.36+01	3.50+01	4.72+01	5.94+01	7.42+01	8.35+01	9.01+01
SIGPAR	4.35-23	2.02-23	7.93-24	2.99-24	1.61-24	7.60-25	7.59-25	4.94-25	4.44-25	5.26-25
ST. DEV.	3.45-25	2.68-25	1.81-25	1.40-25	1.14-25	1.10-25	1.10-25	1.13-25	1.17-25	1.32-25
S	1.36-01	6.33-02	2.48-02	9.35-03	5.05-03	2.38-03	2.38-03	1.55-03	1.39-03	1.65-03
ST. DEV.	1.08-03	8.38-04	5.66-04	4.39-04	3.56-04	3.45-04	3.45-04	3.53-04	3.65-04	4.15-04
S/ALPHA	8.45-02	1.00-02	1.80-03	3.96-04	1.44-04	5.04-05	4.00-05	2.09-05	1.66-05	1.83-05
ST. DEV.	6.70-04	1.33-04	4.10-05	1.86-05	1.02-05	7.32-06	5.80-06	4.76-06	4.37-06	4.60-06

BETA = -1.00+00

ALPHA	1.60+00	6.25+00	1.37+01	2.34+01	3.46+01	4.67+01	5.88+01	7.34+01	8.26+01	8.92+01
SIGPAR	3.60-23	2.15-23	9.50-24	3.80-24	1.90-24	1.12-24	1.03-24	6.37-25	4.20-25	3.42-25
ST. DEV.	3.56-25	3.18-25	2.23-25	1.72-25	1.45-25	1.34-25	1.36-25	1.38-25	1.44-25	1.65-25
S	8.87-02	5.29-02	2.34-02	9.38-03	4.68-03	2.76-03	2.54-03	1.57-03	1.04-03	8.43-04
ST. DEV.	8.78-04	7.83-04	5.49-04	4.25-04	3.57-04	3.30-04	3.36-04	3.40-04	3.54-04	4.07-04
S/ALPHA	5.53-02	8.46-03	1.71-03	4.01-04	1.35-04	5.90-05	4.32-05	2.14-05	1.25-05	9.45-06
ST. DEV.	5.47-04	1.25-04	4.02-05	1.82-05	1.03-05	7.07-06	5.72-06	4.63-06	4.29-06	4.57-06

BETA = -1.50+00

ALPHA	1.60+00	6.19+00	1.35+01	2.31+01	3.43+01	4.62+01	5.81+01	7.26+01	8.17+01	8.82+01
SIGPAR	3.56-23	2.13-23	9.42-24	3.77-24	1.88-24	1.11-24	1.02-24	6.32-25	4.16-25	3.39-25
ST. DEV.	3.53-25	3.15-25	2.21-25	1.71-25	1.44-25	1.33-25	1.35-25	1.37-25	1.43-25	1.64-25
S	6.92-02	4.13-02	1.83-02	7.32-03	3.66-03	2.15-03	1.98-03	1.23-03	8.09-04	6.58-04
ST. DEV.	6.85-04	6.12-04	4.29-04	3.32-04	2.79-04	2.58-04	2.62-04	2.65-04	2.77-04	3.18-04
S/ALPHA	4.33-02	6.67-03	1.35-03	3.16-04	1.07-04	4.66-05	3.41-05	1.69-05	9.89-06	7.46-06
ST. DEV.	4.28-04	9.87-05	3.17-05	1.43-05	8.14-06	5.58-06	4.51-06	3.65-06	3.39-06	3.61-06

BETA = -2.00+00

ALPHA	1.60+00	6.14+00	1.34+01	2.29+01	3.39+01	4.57+01	5.75+01	7.18+01	8.08+01	8.72+01
SIGPAR	2.76-23	2.03-23	9.93-24	3.93-24	2.02-24	1.27-24	9.99-25	7.10-25	5.58-25	3.40-25
ST. DEV.	2.24-25	2.26-25	1.64-25	1.30-25	1.08-25	1.02-25	1.05-25	1.04-25	1.10-25	1.25-25
S	4.23-02	3.10-02	1.52-02	6.02-03	3.10-03	1.94-03	1.53-03	1.09-03	8.54-04	5.20-04
ST. DEV.	3.43-04	3.46-04	2.51-04	1.99-04	1.65-04	1.55-04	1.61-04	1.60-04	1.69-04	1.90-04
S/ALPHA	2.64-02	5.05-03	1.13-03	2.63-04	9.13-05	4.24-05	2.66-05	1.51-05	1.06-05	5.96-06
ST. DEV.	2.14-04	5.63-05	1.88-05	8.70-06	4.87-06	3.40-06	2.80-06	2.22-06	2.09-06	2.18-06

BETA = -2.50+00

ALPHA	1.61+00	6.10+00	1.33+01	2.27+01	3.35+01	4.52+01	5.69+01	7.10+01	7.99+01	8.62+01
SIGPAR	2.28-23	1.96-23	1.02-23	4.02-24	2.10-24	1.36-24	9.82-25	7.53-25	6.39-25	3.39-25
ST. DEV.	2.88-25	3.07-25	2.26-25	1.80-25	1.49-25	1.41-25	1.47-25	1.45-25	1.53-25	1.72-25
S	2.75-02	2.37-02	1.23-02	4.84-03	2.53-03	1.63-03	1.18-03	9.08-04	7.71-04	4.09-04
ST. DEV.	3.48-04	3.70-04	2.72-04	2.17-04	1.79-04	1.70-04	1.77-04	1.74-04	1.85-04	2.07-04
S/ALPHA	1.71-02	3.88-03	9.27-04	2.14-04	7.54-05	3.62-05	2.08-05	1.28-05	9.64-06	4.74-06
ST. DEV.	2.16-04	6.06-05	2.05-05	9.58-06	5.34-06	3.75-06	3.11-06	2.45-06	2.31-06	2.41-06

BETA = -3.00+00

ALPHA	1.62+00	6.06+00	1.31+01	2.24+01	3.32+01	4.47+01	5.62+01	7.02+01	7.90+01	8.52+01
SIGPAR	2.00-23	1.87-23	1.01-23	4.18-24	2.14-24	1.28-24	9.91-25	6.95-25	6.73-25	3.63-25
ST. DEV.	2.08-25	2.26-25	1.68-25	1.35-25	1.12-25	1.06-25	1.09-25	1.09-25	1.16-25	1.30-25
S	1.90-02	1.77-02	9.63-03	3.97-03	2.03-03	1.22-03	9.41-04	6.61-04	6.40-04	3.45-04
ST. DEV.	1.97-04	2.15-04	1.60-04	1.28-04	1.06-04	1.01-04	1.04-04	1.04-04	1.10-04	1.23-04
S/ALPHA	1.17-02	2.92-03	7.33-04	1.77-04	6.12-05	2.73-05	1.67-05	9.42-06	8.10-06	4.04-06
ST. DEV.	1.21-04	3.55-05	1.22-05	5.71-06	3.21-06	2.26-06	1.85-06	1.48-06	1.39-06	1.45-06

BETA = -3.50+00

ALPHA	1.64+00	6.03+00	1.30+01	2.22+01	3.28+01	4.42+01	5.56+01	6.93+01	7.81+01	8.42+01
SIGPAR	1.44-23	1.69-23	1.01-23	4.55-24	2.24-24	1.15-24	1.02-24	5.87-25	7.47-25	4.13-25
ST. DEV.	2.39-25	2.95-25	2.29-25	1.85-25	1.60-25	1.53-25	1.49-25	1.55-25	1.65-25	1.84-25
S	1.08-02	1.26-02	7.56-03	3.40-03	1.68-03	8.60-04	7.62-04	4.39-04	5.60-04	3.10-04
ST. DEV.	1.79-04	2.21-04	1.72-04	1.39-04	1.20-04	1.15-04	1.12-04	1.16-04	1.24-04	1.38-04
S/ALPHA	6.58-03	2.10-03	5.81-04	1.54-04	5.11-05	1.95-05	1.37-05	6.34-06	7.17-06	3.68-06
ST. DEV.	1.09-04	3.67-05	1.32-05	6.26-06	3.65-06	2.59-06	2.01-06	1.67-06	1.58-06	1.64-06

BETA = -4.00+00

ALPHA	1.67+00	6.00+00	1.29+01	2.20+01	3.24+01	4.37+01	5.49+01	6.85+01	7.71+01	8.32+01
SIGPAR	1.32-23	1.62-23	1.01-23	4.59-24	2.24-24	1.15-24	1.08-24	6.05-25	7.95-25	4.27-25
ST. DEV.	1.92-25	2.38-25	1.86-25	1.50-25	1.30-25	1.24-25	1.21-25	1.26-25	1.34-25	1.50-25
S	7.82-03	9.58-03	5.94-03	2.71-03	1.32-03	6.77-04	6.39-04	3.57-04	4.69-04	2.52-04
ST. DEV.	1.14-04	1.41-04	1.10-04	8.88-05	7.67-05	7.34-05	7.14-05	7.45-05	7.91-05	8.86-05
S/ALPHA	4.68-03	1.60-03	4.60-04	1.24-04	4.08-05	1.55-05	1.16-05	5.22-06	6.09-06	3.03-06
ST. DEV.	6.81-05	2.35-05	8.51-06	4.05-06	2.36-06	1.68-06	1.30-06	1.09-06	1.02-06	1.06-06

BETA = -4.50+00

ALPHA	1.70+00	5.98+00	1.28+01	2.17+01	3.21+01	4.32+01	5.43+01	6.77+01	7.62+01	8.22+01
SIGPAR	9.21-24	1.42-23	1.02-23	4.89-24	2.31-24	1.17-24	1.35-24	6.90-25	9.90-25	4.87-25
ST. DEV.	2.10-25	2.80-25	2.29-25	1.90-25	1.64-25	1.56-25	1.48-25	1.62-25	1.67-25	1.94-25
S	4.29-03	6.62-03	4.73-03	2.28-03	1.08-03	5.44-04	6.28-04	3.21-04	4.61-04	2.27-04
ST. DEV.	9.80-05	1.30-04	1.07-04	8.84-05	7.66-05	7.29-05	6.92-05	7.56-05	7.78-05	9.06-05
S/ALPHA	2.52-03	1.11-03	3.70-04	1.05-04	3.36-05	1.26-05	1.16-05	4.75-06	6.05-06	2.76-06
ST. DEV.	5.75-05	2.18-05	8.33-06	4.07-06	2.39-06	1.69-06	1.28-06	1.12-06	1.02-06	1.10-06

BETA = -5.00+00

ALPHA	1.74+00	5.96+00	1.27+01	2.15+01	3.17+01	4.27+01	5.36+01	6.69+01	7.53+01	8.12+01
SIGPAR	8.44-24	1.37-23	1.02-23	4.90-24	2.31-24	1.22-24	1.31-24	7.20-25	9.82-25	4.93-25
ST. DEV.	1.64-25	2.18-25	1.79-25	1.49-25	1.29-25	1.23-25	1.17-25	1.27-25	1.31-25	1.53-25
S	3.11-03	5.05-03	3.74-03	1.80-03	8.49-04	4.49-04	4.80-04	2.65-04	3.61-04	1.81-04
ST. DEV.	6.03-05	8.03-05	6.59-05	5.49-05	4.75-05	4.51-05	4.30-05	4.68-05	4.81-05	5.64-05
S/ALPHA	1.78-03	8.47-04	2.95-04	8.38-05	2.68-05	1.05-05	8.95-06	3.96-06	4.80-06	2.23-06
ST. DEV.	3.45-05	1.35-05	5.20-06	2.55-06	1.50-06	1.06-06	8.02-07	7.00-07	6.39-07	6.95-07

BETA = -5.50+00

ALPHA	1.79+00	5.95+00	1.26+01	2.13+01	3.14+01	4.21+01	5.30+01	6.60+01	7.43+01	8.02+01
SIGPAR	6.35-24	1.26-23	1.04-23	5.01-24	2.33-24	1.40-24	1.20-24	8.24-25	9.78-25	5.19-25
ST. DEV.	1.97-25	2.66-25	2.28-25	1.95-25	1.70-25	1.57-25	1.55-25	1.62-25	1.68-25	2.07-25
S	1.84-03	3.66-03	3.02-03	1.46-03	6.77-04	4.06-04	3.50-04	2.39-04	2.84-04	1.51-04
ST. DEV.	5.72-05	7.72-05	6.62-05	5.66-05	4.93-05	4.55-05	4.49-05	4.70-05	4.87-05	6.00-05
S/ALPHA	1.03-03	6.16-04	2.40-04	6.84-05	2.16-05	9.62-06	6.60-06	3.62-06	3.82-06	1.88-06
ST. DEV.	3.19-05	1.30-05	5.26-06	2.66-06	1.57-06	1.08-06	8.47-07	7.12-07	6.55-07	7.48-07

BETA = -6.00+00

ALPHA	1.85+00	5.95+00	1.25+01	2.11+01	3.10+01	4.16+01	5.23+01	6.52+01	7.34+01	7.91+01
SIGPAR	5.94-24	1.20-23	1.03-23	5.04-24	2.32-24	1.37-24	1.00-24	8.53-25	7.84-25	5.92-25
ST. DEV.	1.38-25	1.87-25	1.63-25	1.41-25	1.22-25	1.12-25	1.12-25	1.15-25	1.21-25	1.48-25
S	1.36-03	2.76-03	2.37-03	1.16-03	5.33-04	3.15-04	2.30-04	1.96-04	1.80-04	1.36-04
ST. DEV.	3.17-05	4.29-05	3.74-05	3.24-05	2.80-05	2.57-05	2.56-05	2.64-05	2.78-05	3.40-05
S/ALPHA	7.37-04	4.63-04	1.89-04	5.49-05	1.72-05	7.57-06	4.40-06	3.00-06	2.45-06	1.72-06
ST. DEV.	1.72-05	7.21-06	2.99-06	1.54-06	9.04-07	6.17-07	4.90-07	4.05-07	3.78-07	4.29-07

				BETA = -6.50+00						
ALPHA	1.91+00	5.95+00	1.24+01	2.09+01	3.07+01	4.11+01	5.17+01	6.44+01	7.24+01	7.81+01
SIGPAR	5.43-24	1.13-23	1.03-23	5.09-24	2.32-24	1.35-24	7.51-25	8.92-25	5.38-25	6.86-25
ST. DEV.	1.90-25	2.59-25	2.31-25	2.04-25	1.76-25	1.59-25	1.61-25	1.61-25	1.74-25	2.11-25
S	9.84-04	2.05-03	1.86-03	9.23-04	4.20-04	2.45-04	1.36-04	1.62-04	9.75-05	1.24-04
ST. DEV.	3.44-05	4.69-05	4.19-05	3.70-05	3.18-05	2.88-05	2.92-05	2.92-05	3.16-05	3.82-05
S/ALPHA	5.15-04	3.43-04	1.50-04	4.43-05	1.37-05	5.95-06	2.64-06	2.51-06	1.35-06	1.59-06
ST. DEV.	1.80-05	7.87-06	3.38-06	1.78-06	1.04-06	7.00-07	5.65-07	4.54-07	4.36-07	4.89-07

				BETA = -7.00+00						
ALPHA	1.98+00	5.97+00	1.23+01	2.07+01	3.03+01	4.06+01	5.10+01	6.35+01	7.14+01	7.71+01
SIGPAR	5.10-24	1.02-23	1.00-23	5.34-24	2.42-24	1.14-24	6.91-25	7.80-25	7.94-25	6.34-25
ST. DEV.	1.55-25	2.05-25	1.96-25	1.64-25	1.43-25	1.31-25	1.31-25	1.35-25	1.44-25	1.75-25
S	7.31-04	1.46-03	1.44-03	7.65-04	3.47-04	1.64-04	9.90-05	1.12-04	1.14-04	9.08-05
ST. DEV.	2.22-05	2.93-05	2.67-05	2.36-05	2.05-05	1.89-05	1.87-05	1.93-05	2.06-05	2.51-05
S/ALPHA	3.68-04	2.44-04	1.17-04	3.70-05	1.15-05	4.03-06	1.94-06	1.76-06	1.59-06	1.18-06
ST. DEV.	1.12-05	4.91-06	2.16-06	1.14-06	6.76-07	4.62-07	3.67-07	3.04-07	2.88-07	3.25-07

				BETA = -7.50+00						
ALPHA	2.06+00	5.99+00	1.22+01	2.04+01	3.00+01	4.01+01	5.03+01	6.27+01	7.05+01	7.60+01
SIGPAR	4.85-24	9.53-24	9.83-24	5.44-24	2.52-24	1.14-24	7.12-25	7.15-25	8.20-25	5.75-25
ST. DEV.	1.63-25	2.15-25	1.96-25	1.73-25	1.51-25	1.39-25	1.38-25	1.43-25	1.52-25	1.85-25
S	5.49-04	1.08-03	1.11-03	6.16-04	2.85-04	1.29-04	8.06-05	8.10-05	9.29-05	6.51-05
ST. DEV.	1.85-05	2.43-05	2.22-05	1.96-05	1.71-05	1.57-05	1.56-05	1.62-05	1.72-05	2.10-05
S/ALPHA	2.66-04	1.30-04	9.09-05	3.01-05	9.52-06	3.20-06	1.60-06	1.29-06	1.32-06	8.57-07
ST. DEV.	8.96-06	4.07-06	1.81-06	9.60-07	5.70-07	3.91-07	3.10-07	2.58-07	2.44-07	2.76-07

				BETA = -8.00+00						
ALPHA	2.15+00	6.02+00	1.22+01	2.03+01	2.96+01	3.96+01	4.97+01	6.18+01	6.95+01	7.49+01
SIGPAR	4.34-24	8.57-24	9.52-24	5.63-24	2.85-24	1.43-24	9.07-25	6.06-25	5.84-25	4.03-25
ST. DEV.	1.98-25	2.63-25	2.41-25	2.14-25	1.84-25	1.74-25	1.68-25	1.77-25	1.85-25	2.28-25
S	3.89-04	7.68-04	8.53-04	5.05-04	2.55-04	1.28-04	8.13-05	5.43-05	5.23-05	3.61-05
ST. DEV.	1.77-05	2.35-05	2.16-05	1.92-05	1.65-05	1.56-05	1.50-05	1.58-05	1.66-05	2.04-05
S/ALPHA	1.81-04	1.28-04	7.00-05	2.49-05	8.62-06	3.23-06	1.64-06	8.79-07	7.53-07	4.82-07
ST. DEV.	8.23-06	3.91-06	1.78-06	9.49-07	5.56-07	3.94-07	3.03-07	2.56-07	2.38-07	2.72-07

				BETA = -8.50+00							
ALPHA	2.25+00	6.05+00	1.21+01	2.01+01	2.93+01	3.91+01	4.90+01	6.10+01	6.85+01	7.39+01	
SIGPAR	4.00-24	7.67-24	9.43-24	5.59-24	2.89-24	1.49-24	7.54-25	5.56-25	5.46-25	9.81-26	
ST. DEV.	1.52-25	2.03-25	1.91-25	1.71-25	1.47-25	1.40-25	1.32-25	1.43-25	1.47-25	1.85-25	
S	2.84-04	5.44-04	6.69-04	3.96-04	2.05-04	1.06-04	5.35-05	3.94-05	3.88-05	6.96-06	
ST. DEV.	1.08-05	1.44-05	1.36-05	1.21-05	1.04-05	9.92-06	9.33-06	1.01-05	1.04-05	1.31-05	
S/ALPHA	1.26-04	8.99-05	5.52-05	1.98-05	6.99-06	2.71-06	1.09-06	6.47-07	5.66-07	9.42-08	
ST. DEV.	4.80-06	2.38-06	1.12-06	6.05-07	3.56-07	2.54-07	1.90-07	1.66-07	1.52-07	1.77-07	

				BETA = -9.00+00							
ALPHA	2.36+00	6.10+00	1.21+01	1.99+01	2.89+01	3.86+01	4.83+01	6.01+01	6.75+01	7.28+01	
SIGPAR	3.76-24	7.16-24	9.14-24	5.72-24	2.90-24	1.54-24	7.26-25	4.29-25	4.97-25	1.08-25	
ST. DEV.	1.43-25	1.90-25	1.82-25	1.63-25	1.40-25	1.33-25	1.25-25	1.37-25	1.42-25	1.77-25	
S	2.11-04	4.02-04	5.14-04	3.22-04	1.63-04	8.68-05	4.08-05	2.41-05	2.79-05	6.06-06	
ST. DEV.	8.05-06	1.07-05	1.02-05	9.15-06	7.87-06	7.49-06	7.04-06	7.67-06	7.96-06	9.94-06	
S/ALPHA	8.93-05	6.59-05	4.26-05	1.62-05	5.62-06	2.25-06	8.43-07	4.01-07	4.14-07	8.32-08	
ST. DEV.	3.40-06	1.75-06	8.48-07	4.60-07	2.72-07	1.94-07	1.46-07	1.28-07	1.18-07	1.37-07	

				BETA = -9.50+00							
ALPHA	2.48+00	6.15+00	1.20+01	1.97+01	2.86+01	3.81+01	4.77+01	5.92+01	6.65+01	7.17+01	
SIGPAR	3.56-24	6.81-24	8.66-24	6.03-24	2.90-24	1.63-24	7.89-25	2.43-25	4.35-25	3.44-25	
ST. DEV.	1.77-25	2.35-25	2.31-25	2.07-25	1.78-25	1.70-25	1.61-25	1.76-25	1.85-25	2.28-25	
S	1.58-04	3.03-04	3.86-04	2.69-04	1.29-04	7.24-05	3.51-05	1.08-05	1.94-05	1.53-05	
ST. DEV.	7.90-06	1.05-05	1.03-05	9.23-06	7.92-06	7.57-06	7.16-06	7.83-06	8.25-06	1.01-05	
S/ALPHA	6.38-05	4.93-05	3.21-05	1.36-05	4.52-06	1.90-06	7.37-07	1.83-07	2.91-07	2.14-07	
ST. DEV.	3.18-06	1.70-06	8.57-07	4.69-07	2.77-07	1.99-07	1.50-07	1.32-07	1.24-07	1.42-07	

				BETA = -1.00+01							
ALPHA	2.61+00	6.22+00	1.20+01	1.95+01	2.83+01	3.76+01	4.70+01	5.83+01	6.55+01	7.06+01	
SIGPAR	3.53-24	6.21-24	8.04-24	6.28-24	2.99-24	1.97-24	8.86-25	2.63-25	4.20-25	5.37-25	
ST. DEV.	1.98-25	2.56-25	2.54-25	2.39-25	2.03-25	1.88-25	1.91-25	2.02-25	2.13-25	2.57-25	
S	1.25-04	2.19-04	2.84-04	2.22-04	1.06-04	6.97-05	3.13-05	9.29-06	1.48-05	1.89-05	
ST. DEV.	6.98-06	9.02-06	8.97-06	8.43-06	7.17-06	6.65-06	6.75-06	7.12-06	7.52-06	9.09-06	
S/ALPHA	4.77-05	3.53-05	2.37-05	1.14-05	3.74-06	1.85-06	6.66-07	1.59-07	2.27-07	2.68-07	
ST. DEV.	2.67-06	1.45-06	7.49-07	4.32-07	2.54-07	1.77-07	1.44-07	1.22-07	1.15-07	1.29-07	

BETA = -1.05+01										
ALPHA	2.76+00	6.30+00	1.19+01	1.93+01	2.79+01	3.71+01	4.63+01	5.74+01	6.45+01	6.95+01
SIGPAR	3.27-24	5.39-24	7.93-24	5.85-24	3.36-24	1.86-24	9.75-25	5.01-25	6.58-25	2.37-25
ST. DEV.	1.84-25	2.27-25	2.35-25	2.23-25	1.88-25	1.74-25	1.78-25	1.92-25	1.93-25	2.41-25
S	9.16-05	1.51-04	2.22-04	1.64-04	9.41-05	5.20-05	2.73-05	1.40-05	1.84-05	6.64-06
ST. DEV.	5.15-06	6.36-06	6.58-06	6.25-06	5.28-06	4.87-06	4.99-06	5.38-06	5.41-06	6.76-06
S/ALPHA	3.32-05	2.40-05	1.88-05	8.48-06	3.37-06	1.40-06	5.90-07	2.45-07	2.86-07	9.56-08
ST. DEV.	1.87-06	1.01-06	5.51-07	3.23-07	1.88-07	1.31-07	1.08-07	9.36-08	8.39-08	9.74-08

				BETA	= -1.10+01						
ALPHA	2.91+00	6.38+00	1.19+01	1.92+01	2.76+01	3.66+01	4.56+01	5.65+01	6.34+01	6.83+01	
SIGPAR	2.76-24	5.05-24	7.53-24	6.00-24	3.76-24	1.94-24	1.06-24	5.09-25	5.60-25	5.93-25	
ST. DEV.	1.66-25	2.13-25	2.13-25	2.08-25	1.79-25	1.71-25	1.71-25	1.70-25	1.77-25	2.26-25	
S	6.14-05	1.12-04	1.69-04	1.54-04	8.36-05	4.31-05	2.36-05	1.13-05	1.25-05	1.32-05	
ST. DEV.	3.69-06	4.73-06	4.75-06	4.62-06	3.98-06	3.79-06	3.80-06	3.78-06	3.94-06	5.03-06	
S/ALPHA	2.11-05	1.76-05	1.41-05	6.96-06	3.03-06	1.18-06	5.17-07	2.00-07	1.96-07	1.93-07	
ST. DEV.	1.27-06	7.41-07	3.98-07	2.41-07	1.44-07	1.04-07	8.33-08	6.68-08	6.20-08	7.36-08	

				BETA	= -1.15+01						
ALPHA	3.08+00	6.48+00	1.19+01	1.90+01	2.73+01	3.61+01	4.49+01	5.56+01	6.24+01	6.72+01	
SIGPAR	2.46-24	4.39-24	6.95-24	6.07-24	3.62-24	2.04-24	1.09-24	3.43-25	7.95-25	8.55-25	
ST. DEV.	1.63-25	2.10-25	2.06-25	2.06-25	1.78-25	1.66-25	1.73-25	1.72-25	1.73-25	2.25-25	
S	4.36-05	7.77-05	1.23-04	1.07-04	6.40-05	3.61-05	1.93-05	6.06-06	1.41-05	1.51-05	
ST. DEV.	2.87-06	3.71-06	3.64-06	3.64-06	3.15-06	2.94-06	3.05-06	3.03-06	3.05-06	3.98-06	
S/ALPHA	1.41-05	1.20-05	1.03-05	5.64-06	2.35-06	9.99-07	4.30-07	1.09-07	2.25-07	2.25-07	
ST. DEV.	9.33-07	5.72-07	3.05-07	1.91-07	1.15-07	8.15-08	6.79-08	5.45-08	4.89-08	5.92-08	

				BETA	= -1.20+01						
ALPHA	3.26+00	6.60+00	1.19+01	1.89+01	2.70+01	3.56+01	4.43+01	5.47+01	6.14+01	6.60+01	
SIGPAR	2.44-24	3.85-24	6.05-24	5.81-24	3.42-24	2.09-24	1.11-24	4.83-25	8.41-25	6.16-25	
SI. DEV.	1.75-25	2.26-25	2.17-25	2.13-25	1.91-25	1.79-25	1.79-25	1.82-25	1.91-25	2.31-25	
S	3.43-05	5.42-05	9.63-05	8.18-05	4.81-05	2.93-05	1.56-05	6.79-06	1.18-05	8.66-06	
SI. DEV.	2.46-06	3.09-06	3.05-06	3.00-06	2.69-06	2.51-06	2.51-06	2.56-06	2.68-06	3.24-06	
S/ALPHA	1.05-05	8.22-06	8.09-06	4.33-06	1.78-06	8.24-07	3.52-07	1.24-07	1.93-07	1.31-07	
SI. DEV.	7.55-07	4.88-07	2.56-07	1.59-07	9.96-08	7.05-08	5.67-08	4.68-08	4.37-08	4.91-08	

BETA = -1.25+01

ALPHA	3.46+00	6.72+00	1.19+01	1.87+01	2.66+01	3.51+01	4.36+01	5.38+01	6.03+01	6.49+01
SIGPAR	2.40-24	4.00-24	6.68-24	5.81-24	3.63-24	2.39-24	1.34-24	8.25-25	5.05-25	8.65-26
ST. DEV.	1.89-25	2.30-25	2.30-25	2.37-25	2.06-25	1.96-25	2.04-25	1.96-25	2.14-25	2.63-25
S	2.68-05	4.48-05	7.47-05	6.51-05	4.07-05	2.67-05	1.50-05	9.23-06	5.66-06	9.68-07
ST. DEV.	2.11-06	2.58-06	2.57-06	2.65-06	2.30-06	2.19-06	2.29-06	2.19-06	2.40-06	2.95-06
S/ALPHA	7.75-06	6.66-06	6.27-06	3.47-06	1.53-06	7.62-07	3.45-07	1.72-07	9.38-08	1.49-08
ST. DEV.	6.10-07	3.83-07	2.16-07	1.41-07	8.64-08	6.24-08	5.25-08	4.08-08	3.98-08	4.54-08

BETA = -1.30+01

ALPHA	3.68+00	6.86+00	1.19+01	1.86+01	2.63+01	3.46+01	4.29+01	5.29+01	5.92+01	6.37+01
SIGPAR	2.27-24	4.01-24	5.91-24	5.89-24	3.98-24	2.61-24	1.46-24	8.50-25	5.70-25	9.10-26
ST. DEV.	1.93-25	2.44-25	2.29-25	2.37-25	2.12-25	2.00-25	2.12-25	2.05-25	2.17-25	2.83-25
S	2.02-05	3.58-05	5.27-05	5.25-05	3.56-05	2.33-05	1.30-05	7.58-06	5.09-06	8.12-07
ST. DEV.	1.72-06	2.18-06	2.04-06	2.12-06	1.89-06	1.78-06	1.89-06	1.83-06	1.94-06	2.53-06
S/ALPHA	5.51-06	5.22-06	4.42-06	2.82-06	1.35-06	6.73-07	3.03-07	1.43-07	8.59-08	1.27-08
ST. DEV.	4.68-07	3.17-07	1.71-07	1.14-07	7.17-08	5.15-08	4.42-08	3.45-08	3.27-08	3.97-08

BETA = -1.35+01

ALPHA	3.91+00	7.02+00	1.20+01	1.85+01	2.60+01	3.41+01	4.22+01	5.19+01	5.81+01	6.25+01
SIGPAR	2.18-24	3.75-24	5.55-24	5.88-24	4.15-24	2.27-24	1.84-24	9.46-25	9.26-25	2.64-25
ST. DEV.	1.81-25	2.17-25	2.15-25	2.23-25	1.97-25	1.92-25	1.98-25	1.90-25	2.00-25	2.58-25
S	1.55-05	2.67-05	3.95-05	4.18-05	2.96-05	1.62-05	1.31-05	6.73-06	6.59-06	1.88-06
ST. DEV.	1.29-06	1.54-06	1.53-06	1.59-06	1.40-06	1.37-06	1.41-06	1.35-06	1.42-06	1.83-06
S/ALPHA	3.98-06	3.80-06	3.30-06	2.26-06	1.14-06	4.74-07	3.11-07	1.30-07	1.13-07	3.01-08
ST. DEV.	3.29-07	2.20-07	1.28-07	8.61-08	5.40-08	4.02-08	3.34-08	2.60-08	2.45-08	2.93-08

BETA = -1.40+01

ALPHA	4.16+00	7.19+00	1.20+01	1.84+01	2.57+01	3.36+01	4.15+01	5.10+01	5.70+01	6.13+01
SIGPAR	2.46-24	3.30-24	5.43-24	5.32-24	4.36-24	2.64-24	1.61-24	1.19-24	6.87-25	6.54-25
ST. DEV.	1.90-25	2.18-25	2.25-25	2.28-25	2.08-25	1.91-25	2.02-25	2.03-25	2.06-25	2.60-25
S	1.40-05	1.87-05	3.09-05	3.02-05	2.48-05	1.50-05	9.14-06	6.74-06	3.90-06	3.72-06
ST. DEV.	1.08-06	1.24-06	1.28-06	1.30-06	1.18-06	1.09-06	1.15-06	1.15-06	1.17-06	1.48-06
S/ALPHA	3.37-06	2.61-06	2.57-06	1.65-06	9.63-07	4.48-07	2.20-07	1.32-07	6.85-08	6.07-08
ST. DEV.	2.60-07	1.73-07	1.07-07	7.05-08	4.59-08	3.23-08	2.77-08	2.26-08	2.05-08	2.41-08

BETA = -1.45+01

ALPHA	4.42+00	7.38+00	1.21+01	1.83+01	2.54+01	3.31+01	4.07+01	5.00+01	5.59+01	6.01+01
SIGPAR	2.29-24	3.30-24	5.37-24	5.15-24	4.25-24	2.90-24	1.92-24	6.02-25	5.03-25	5.58-25
ST. DEV.	1.96-25	2.30-25	2.24-25	2.32-25	2.18-25	2.01-25	2.09-25	2.14-25	2.04-25	2.70-25
S	1.04-05	1.50-05	2.44-05	2.34-05	1.93-05	1.32-05	8.73-06	2.74-06	2.29-06	2.54-06
ST. DEV.	8.90-07	1.05-06	1.02-06	1.06-06	9.90-07	9.12-07	9.49-07	9.71-07	9.27-07	1.23-06
S/ALPHA	2.35-06	2.04-06	2.02-06	1.28-06	7.60-07	3.99-07	2.14-07	5.47-08	4.09-08	4.23-08
ST. DEV.	2.01-07	1.42-07	8.44-08	5.78-08	3.90-08	2.76-08	2.33-08	1.94-08	1.66-08	2.05-08

BETA = -1.50+01

ALPHA	4.71+00	7.58+00	1.22+01	1.82+01	2.51+01	3.26+01	4.00+01	4.91+01	5.48+01	5.88+01
SIGPAR	2.44-24	3.58-24	5.33-24	5.21-24	4.87-24	2.44-24	2.14-24	1.06-24	9.66-25	3.18-25
ST. DEV.	2.09-25	2.41-25	2.33-25	2.39-25	2.23-25	2.21-25	2.19-25	2.16-25	2.11-25	2.84-25
S	8.91-06	1.30-05	1.94-05	1.90-05	1.77-05	8.90-06	7.80-06	3.87-06	3.52-06	1.16-06
ST. DEV.	7.63-07	8.78-07	8.47-07	8.71-07	8.11-07	8.04-07	7.99-07	7.86-07	7.70-07	1.03-06
S/ALPHA	1.89-06	1.72-06	1.60-06	1.05-06	7.06-07	2.73-07	1.95-07	7.88-08	6.43-08	1.97-08
ST. DEV.	1.62-07	1.16-07	6.96-08	4.79-08	3.23-08	2.47-08	2.00-08	1.60-08	1.41-08	1.76-08

BETA = -1.55+01

ALPHA	5.03+00	7.81+00	1.23+01	1.81+01	2.48+01	3.21+01	3.93+01	4.81+01	5.36+01	5.75+01
SIGPAR	3.18-24	3.96-24	5.19-24	5.80-24	4.30-24	2.91-24	2.61-24	8.42-25	1.52-24	5.08-25
ST. DEV.	2.22-25	2.52-25	2.48-25	2.50-25	2.38-25	2.39-25	2.27-25	2.33-25	2.37-25	3.08-25
S	9.30-06	1.16-05	1.52-05	1.69-05	1.26-05	8.51-06	7.64-06	2.46-06	4.45-06	1.48-06
ST. DEV.	6.48-07	7.37-07	7.24-07	7.32-07	6.95-07	6.98-07	6.64-07	6.81-07	6.92-07	9.01-07
S/ALPHA	1.85-06	1.48-06	1.24-06	9.37-07	5.06-07	2.65-07	1.94-07	5.12-08	8.31-08	2.58-08
ST. DEV.	1.29-07	9.43-08	5.90-08	4.05-08	2.80-08	2.18-08	1.69-08	1.42-08	1.29-08	1.57-08

BETA = -1.60+01

ALPHA	5.37+00	8.07+00	1.24+01	1.80+01	2.48+01	3.16+01	3.86+01	4.71+01	5.24+01	5.62+01
SIGPAR	3.46-24	4.17-24	5.54-24	5.95-24	5.08-24	3.14-24	2.84-24	1.32-24	1.50-24	1.38-24
ST. DEV.	2.29-25	2.62-25	2.52-25	2.58-25	2.45-25	2.34-25	2.31-25	2.40-25	2.42-25	3.11-25
S	8.90-06	9.80-06	1.30-05	1.40-05	1.19-05	7.37-06	6.67-06	3.10-06	3.52-06	2.60-06
ST. DEV.	5.38-07	6.15-07	5.92-07	6.07-07	5.77-07	5.50-07	5.43-07	5.65-07	5.68-07	7.30-07
S/ALPHA	1.66-06	1.21-06	1.05-06	7.76-07	4.86-07	2.34-07	1.73-07	6.58-08	6.72-08	4.62-08
ST. DEV.	1.00-07	7.62-08	4.79-08	3.37-08	2.35-08	1.74-08	1.41-08	1.20-08	1.08-08	1.30-08

BETA = -1.65+01

ALPHA	5.73+00	8.34+00	1.25+01	1.80+01	2.43+01	3.10+01	3.78+01	4.60+01	5.12+01	5.49+01
SIGPAR	4.38-24	4.38-24	5.11-24	5.56-24	4.89-24	3.86-24	2.89-24	1.67-24	1.66-24	1.38-24
ST. DEV.	2.37-25	2.77-25	2.51-25	2.58-25	2.46-25	2.46-25	2.51-25	2.49-25	2.51-25	3.19-25
S	8.31-06	8.31-06	9.67-06	1.05-05	9.26-06	7.31-06	5.48-06	3.16-06	3.14-06	2.60-06
ST. DEV.	4.49-07	5.24-07	4.76-07	4.88-07	4.66-07	4.66-07	4.76-07	4.72-07	4.74-07	6.05-07
S/ALPHA	1.45-06	9.96-07	7.73-07	5.86-07	3.81-07	2.35-07	1.45-07	6.87-08	6.14-08	4.74-08
ST. DEV.	7.82-08	6.28-08	3.80-08	2.72-08	1.92-08	1.50-08	1.26-08	1.03-08	9.26-09	1.10-08

BETA = -1.70+01

ALPHA	6.13+00	8.65+00	1.27+01	1.79+01	2.40+01	3.05+01	3.71+01	4.50+01	5.00+01	5.35+01
SIGPAR	4.25-24	4.81-24	5.74-24	5.42-24	4.93-24	3.84-24	3.05-24	1.76-24	1.46-24	6.21-25
ST. DEV.	2.37-25	2.66-25	2.54-25	2.64-25	2.47-25	2.46-25	2.53-25	2.42-25	2.56-25	3.24-25
S	6.51-06	7.35-06	8.78-06	8.28-06	7.53-06	5.88-06	4.67-06	2.69-06	2.23-06	9.61-07
ST. DEV.	3.63-07	4.06-07	3.88-07	4.04-07	3.78-07	3.77-07	3.87-07	3.71-07	3.91-07	4.96-07
S/ALPHA	1.11-06	8.50-07	6.93-07	4.62-07	3.14-07	1.92-07	1.26-07	5.97-08	4.47-08	1.78-08
ST. DEV.	5.92-08	4.70-08	3.06-08	2.25-08	1.57-08	1.23-08	1.04-08	8.24-09	7.82-09	9.26-09

BETA = -1.75+01

ALPHA	6.57+00	8.98+00	1.28+01	1.79+01	2.38+01	3.00+01	3.63+01	4.39+01	4.87+01	5.22+01
SIGPAR	4.44-24	4.57-24	6.09-24	5.78-24	5.24-24	4.37-24	3.59-24	1.17-24	1.42-24	6.94-25
ST. DEV.	2.39-25	2.63-25	2.45-25	2.60-25	2.47-25	2.41-25	2.48-25	2.50-25	2.54-25	3.27-25
S	5.50-06	5.65-06	7.54-06	7.16-06	6.48-06	5.41-06	4.44-06	1.45-06	1.76-06	8.62-07
ST. DEV.	2.96-07	3.26-07	3.04-07	3.22-07	3.06-07	2.98-07	3.07-07	3.09-07	3.15-07	4.05-07
S/ALPHA	8.38-07	6.29-07	5.87-07	4.00-07	2.73-07	1.80-07	1.22-07	3.30-08	3.62-08	1.65-08
ST. DEV.	4.51-08	3.63-08	2.36-08	1.80-08	1.29-08	9.92-09	8.46-09	7.04-09	6.45-09	7.76-09

BETA = -1.80+01

ALPHA	7.04+00	9.36+00	1.31+01	1.79+01	2.35+01	2.95+01	3.56+01	4.29+01	4.75+01	5.07+01
SIGPAR	4.18-24	4.23-24	5.34-24	4.23-24	4.43-24	4.04-24	3.75-24	1.73-24	2.10-24	8.00-25
ST. DEV.	2.33-25	2.64-25	2.53-25	2.70-25	2.56-25	2.48-25	2.58-25	2.61-25	2.69-25	3.44-25
S	4.21-06	4.26-06	5.37-06	4.24-06	4.46-06	4.07-06	3.77-06	1.74-06	2.11-06	8.05-07
ST. DEV.	2.35-07	2.65-07	2.55-07	2.72-07	2.57-07	2.49-07	2.60-07	2.63-07	2.71-07	3.47-07
S/ALPHA	5.98-07	4.55-07	4.12-07	2.37-07	1.89-07	1.38-07	1.06-07	4.06-08	4.44-08	1.58-08
ST. DEV.	3.34-08	2.84-08	1.95-08	1.52-08	1.09-08	8.44-09	7.31-09	6.13-09	5.70-09	6.83-09

BETA = -1.85+01

ALPHA	7.55+00	9.77+00	1.33+01	1.79+01	2.33+01	2.90+01	3.48+01	4.17+01	4.61+01	4.93+01
SIGPAR	3.68-24	4.01-24	5.05-24	5.37-24	4.77-24	4.21-24	3.79-24	2.00-24	2.89-24	1.28-24
ST. DEV.	2.47-25	2.84-25	2.62-25	2.73-25	2.64-25	2.74-25	2.85-25	2.89-25	2.91-25	3.72-25
S	3.02-06	3.29-06	4.15-06	4.42-06	3.91-06	3.46-06	3.11-06	1.64-06	1.56-06	1.03-06
ST. DEV.	2.03-07	2.33-07	2.15-07	2.24-07	2.17-07	2.25-07	2.34-07	2.37-07	2.39-07	3.06-07
S/ALPHA	4.00-07	3.37-07	3.12-07	2.47-07	1.68-07	1.19-07	8.94-08	3.93-08	3.38-08	2.09-08
ST. DEV.	2.69-08	2.39-08	1.62-08	1.25-08	9.32-09	7.75-09	6.74-09	5.68-09	5.18-09	6.21-09

BETA = -1.90+01

ALPHA	8.12+00	1.02+01	1.36+01	1.80+01	2.31+01	2.85+01	3.40+01	4.06+01	4.48+01	4.77+01
SIGPAR	3.45-24	4.04-24	4.98-24	4.86-24	4.88-24	4.35-24	3.63-24	2.42-24	1.87-24	1.04-24
ST. DEV.	2.65-25	3.03-25	2.81-25	2.94-25	2.74-25	2.80-25	2.99-25	2.95-25	3.10-25	3.81-25
S	2.32-06	2.72-06	3.35-06	3.27-06	3.29-06	2.93-06	2.45-06	1.63-06	1.26-06	7.03-07
ST. DEV.	1.79-07	2.04-07	1.89-07	1.98-07	1.85-07	1.88-07	2.01-07	1.99-07	2.09-07	2.57-07
S/ALPHA	2.86-07	2.67-07	2.47-07	1.82-07	1.42-07	1.03-07	7.19-08	4.02-08	2.81-08	1.47-08
ST. DEV.	2.20-08	1.99-08	1.39-08	1.10-08	8.00-09	6.60-09	5.93-09	4.89-09	4.66-09	5.38-09

BETA = -1.95+01

ALPHA	8.75+00	1.07+01	1.39+01	1.81+01	2.29+01	2.80+01	3.32+01	3.94+01	4.34+01	4.62+01
SIGPAR	3.31-24	3.91-24	4.40-24	4.89-24	4.86-24	4.38-24	4.28-24	2.64-24	1.86-24	1.12-24
ST. DEV.	2.77-25	3.16-25	2.85-25	2.95-25	2.87-25	2.95-25	3.08-25	3.12-25	3.25-25	3.98-25
S	1.83-06	2.16-06	2.44-06	2.72-06	2.70-06	2.43-06	2.38-06	1.46-06	1.03-06	6.22-07
ST. DEV.	1.53-07	1.75-07	1.58-07	1.64-07	1.60-07	1.64-07	1.71-07	1.73-07	1.81-07	2.21-07
S/ALPHA	2.10-07	2.01-07	1.76-07	1.50-07	1.18-07	8.67-08	7.16-08	3.71-08	2.37-08	1.35-08
ST. DEV.	1.75-08	1.63-08	1.14-08	9.08-09	6.97-09	5.84-09	5.15-09	4.39-09	4.16-09	4.78-09

BETA = -2.00+01

ALPHA	9.45+00	1.13+01	1.43+01	1.82+01	2.27+01	2.75+01	3.24+01	3.82+01	4.19+01	4.45+01
SIGPAR	3.49-24	3.31-24	4.58-24	4.37-24	4.38-24	3.74-24	4.06-24	2.67-24	2.41-24	1.78-24
ST. DEV.	2.89-25	3.30-25	2.95-25	3.09-25	3.01-25	3.05-25	3.27-25	3.24-25	3.43-25	4.23-25
S	1.61-06	1.53-06	2.11-06	2.01-06	2.01-06	1.73-06	1.87-06	1.23-06	1.11-06	8.23-07
ST. DEV.	1.33-07	1.52-07	1.36-07	1.42-07	1.39-07	1.41-07	1.51-07	1.49-07	1.58-07	1.95-07
S/ALPHA	1.70-07	1.35-07	1.48-07	1.11-07	8.85-08	6.27-08	5.79-08	3.22-08	2.65-08	1.85-08
ST. DEV.	1.41-08	1.35-08	9.51-09	7.84-09	6.12-09	5.11-09	4.66-09	3.91-09	3.78-09	4.38-09

					BETA = -2.05+01						
ALPHA	1.02+01	1.20+01	1.47+01	1.83+01	2.25+01	2.70+01	3.15+01	3.69+01	4.04+01	4.28+01	
SIGPAR	3.36-24	3.87-24	3.81-24	4.72-24	4.86-24	3.19-24	4.01-24	3.71-24	2.14-24	7.52-25	
ST. DEV.	3.14-25	3.51-25	3.27-25	3.33-25	3.16-25	3.36-25	3.60-25	3.39-25	3.58-25	4.71-25	
S	1.29-06	1.51-06	1.47-06	1.83-06	1.86-06	1.23-06	1.55-06	1.43-06	8.25-07	2.92-07	
ST. DEV.	1.21-07	1.36-07	1.26-07	1.29-07	1.22-07	1.30-07	1.39-07	1.31-07	1.38-07	1.82-07	
S/ALPHA	1.26-07	1.26-07	1.00-07	9.96-08	8.34-08	4.56-08	4.92-08	3.88-08	2.04-08	6.82-09	
ST. DEV.	1.19-08	1.13-08	8.58-09	7.01-09	5.43-09	4.80-09	4.42-09	3.55-09	3.43-09	4.25-09	

					BETA = -2.10+01						
ALPHA	1.11+01	1.27+01	1.52+01	1.86+01	2.24+01	2.65+01	3.06+01	3.56+01	3.88+01	4.10+01	
SIGPAR	2.52-24	2.81-24	4.74-24	4.17-24	4.68-24	4.00-24	4.00-24	2.43-24	2.67-24	1.70-24	
ST. DEV.	3.34-25	3.73-25	3.43-25	3.54-25	4.20-25	3.66-25	3.79-25	3.79-25	3.92-25	5.04-25	
S	8.30-07	9.20-07	1.56-06	1.37-06	1.54-06	1.31-06	1.31-06	7.97-07	8.77-07	5.59-07	
ST. DEV.	1.10-07	1.23-07	1.13-07	1.16-07	1.38-07	1.20-07	1.25-07	1.25-07	1.29-07	1.66-07	
S/ALPHA	7.48-08	7.24-08	1.02-07	7.38-08	6.87-08	4.95-08	4.29-08	2.24-08	2.26-08	1.36-08	
ST. DEV.	9.86-09	9.64-09	7.40-09	6.27-09	6.16-09	4.54-09	4.07-09	3.50-09	3.32-09	4.04-09	

					BETA = -2.15+01						
ALPHA	1.22+01	1.36+01	1.59+01	1.88+01	2.23+01	2.60+01	2.97+01	3.42+01	3.70+01	3.90+01	
SIGPAR	2.18-24	3.31-24	3.88-24	3.55-24	3.46-24	3.55-24	3.34-24	2.00-24	2.51-24	2.23-24	
ST. DEV.	3.42-25	3.92-25	3.67-25	3.83-25	3.71-25	3.94-25	4.19-25	4.18-25	4.31-25	5.51-25	
S	6.20-07	9.40-07	1.10-06	1.01-06	9.83-07	1.01-06	9.49-07	7.40-07	7.14-07	6.40-07	
ST. DEV.	9.73-08	1.11-07	1.04-07	1.09-07	1.06-07	1.12-07	1.19-07	1.19-07	1.23-07	1.57-07	
S/ALPHA	5.08-08	6.91-08	6.95-08	5.36-08	4.41-08	3.89-08	3.19-08	2.16-08	1.93-08	1.64-08	
ST. DEV.	8.01-09	8.20-09	6.58-09	5.78-09	4.73-09	4.31-09	4.00-09	3.48-09	3.31-09	4.01-09	

					BETA = -2.20+01						
ALPHA	1.34+01	1.46+01	1.66+01	1.92+01	2.23+01	2.55+01	2.87+01	3.27+01	3.52+01	3.69+01	
SIGPAR	2.16-24	1.60-25	3.28-24	2.52-24	3.50-24	3.99-24	4.35-24	1.88-24	3.03-24	8.41-25	
ST. DEV.	3.83-25	4.40-25	4.13-25	4.36-25	4.18-25	4.45-25	4.69-25	4.70-25	4.89-25	6.36-25	
S	5.48-07	4.05-07	8.30-07	6.37-07	8.86-07	1.01-06	1.10-06	4.75-07	7.66-07	2.13-07	
ST. DEV.	9.69-08	1.11-07	1.04-07	1.10-07	1.06-07	1.13-07	1.19-07	1.19-07	1.24-07	1.61-07	
S/ALPHA	4.09-08	2.77-08	4.99-08	3.31-08	3.98-08	3.96-08	3.83-08	1.45-08	2.18-08	5.77-09	
ST. DEV.	7.24-09	7.62-09	6.29-09	5.74-09	4.74-09	4.42-09	4.13-09	3.64-09	3.52-09	4.36-09	

TABLE VII. D₂O, Cu(220), BF₃ counters, 1.0 m flight path

BETA = 2.00+00								
ALPHA	3.69-01	1.45+00	4.21+00	6.54+00	1.16+01	1.45+01	1.68+01	1.82+01
SIGPAR	7.09-25	8.37-25	1.00-24	7.60-25	4.83-25	3.60-25	3.59-25	2.71-25
ST. DEV.	3.38-26	3.61-26	4.03-26	3.70-26	3.68-26	3.68-26	3.46-26	3.19-26
S	7.57-02	8.93-02	1.07-01	8.10-02	5.15-02	3.85-02	3.83-02	2.90-02
ST. DEV.	3.61-03	3.85-03	4.30-03	3.95-03	3.92-03	3.93-03	3.69-03	3.40-03
S/ALPHA	2.05-01	6.16-02	2.53-02	1.24-02	4.43-03	2.65-03	2.28-03	1.59-03
ST. DEV.	9.80-03	2.65-03	1.02-03	6.04-04	3.37-04	2.70-04	2.19-04	1.87-04
BETA = 1.50+00								
ALPHA	3.38-01	1.39+00	4.09+00	6.35+00	1.13+01	1.42+01	1.64+01	1.77+01
SIGPAR	1.87-24	1.78-24	1.68-24	1.12-24	7.36-25	5.25-25	5.86-25	4.05-25
ST. DEV.	4.34-26	4.52-26	4.46-26	3.90-26	3.73-26	3.59-26	3.52-26	3.22-26
S	1.60-01	1.52-01	1.43-01	9.50-02	6.27-02	4.47-02	4.99-02	3.45-02
ST. DEV.	3.70-03	3.85-03	3.80-03	3.32-03	3.18-03	3.06-03	3.00-03	2.74-03
S/ALPHA	4.72-01	1.09-01	3.51-02	1.50-02	5.54-03	3.16-03	3.05-03	1.95-03
ST. DEV.	1.09-02	2.76-03	9.30-04	5.23-04	2.81-04	2.16-04	1.83-04	1.55-04
BETA = 1.00+00								
ALPHA	3.13-01	1.34+00	3.96+00	6.17+00	1.10+01	1.38+01	1.59+01	1.72+01
SIGPAR	5.09-24	3.53-24	2.61-24	1.72-24	9.85-25	7.93-25	7.25-25	6.03-25
ST. DEV.	6.52-26	5.90-26	5.35-26	4.50-26	4.10-26	3.87-26	3.68-26	3.40-26
S	3.47-01	2.41-01	1.78-01	1.17-01	6.71-02	5.40-02	4.94-02	4.11-02
ST. DEV.	4.44-03	4.02-03	3.64-03	3.06-03	2.79-03	2.64-03	2.51-03	2.32-03
S/ALPHA	1.11+00	1.79-01	4.48-02	1.90-02	6.10-03	3.92-03	3.10-03	2.39-03
ST. DEV.	1.42-02	2.99-03	9.19-04	4.96-04	2.54-04	1.91-04	1.57-04	1.35-04
BETA = 5.00-01								
ALPHA	2.94-01	1.29+00	3.84+00	5.99+00	1.07+01	1.34+01	1.55+01	1.67+01
SIGPAR	1.13-23	6.11-24	4.03-24	2.33-24	1.41-24	9.57-25	9.20-25	8.12-25
ST. DEV.	1.04-25	8.18-26	6.62-26	5.44-26	4.70-26	4.35-26	4.14-26	3.90-26
S	6.14-01	3.33-01	2.20-01	1.27-01	7.67-02	5.22-02	5.02-02	4.43-02
ST. DEV.	5.66-03	4.46-03	3.61-03	2.97-03	2.56-03	2.38-03	2.26-03	2.13-03
S/ALPHA	2.09+00	2.58-01	5.71-02	2.12-02	7.17-03	3.90-03	3.24-03	2.65-03
ST. DEV.	1.93-02	3.45-03	9.40-04	4.95-04	2.40-04	1.77-04	1.46-04	1.27-04

				BETA = 1.37-06					
ALPHA	2.82-01	1.25+00	3.73+00	5.81+00	1.04+01	1.30+01	1.50+01	1.62+01	
SIGPAR	1.65-23	8.28-24	5.21-24	2.88-24	1.91-24	1.21-24	1.21-24	1.07-24	
ST. DEV.	1.32-25	1.00-25	7.74-26	6.29-26	5.31-26	4.82-26	4.43-26	4.26-26	
S	7.20-01	3.62-01	2.28-01	1.26-01	8.36-02	5.29-02	5.29-02	4.69-02	
ST. DEV.	5.79-03	4.40-03	3.39-03	2.75-03	2.32-03	2.11-03	1.94-03	1.86-03	
S/ALPHA	2.55+00	2.89-01	6.12-02	2.17-02	8.05-03	4.07-03	3.52-03	2.89-03	
ST. DEV.	2.05-02	3.51-03	9.08-04	4.73-04	2.24-04	1.62-04	1.29-04	1.15-04	

				BETA = -5.00-01					
ALPHA	2.77-01	1.22+00	3.62+00	5.64+00	1.01+01	1.26+01	1.46+01	1.57+01	
SIGPAR	1.22-23	7.29-24	5.38-24	3.39-24	2.25-24	1.47-24	1.47-24	1.23-24	
ST. DEV.	1.13-25	9.06-26	7.33-26	6.10-26	5.29-26	4.71-26	4.43-26	4.33-26	
S	4.29-01	2.56-01	1.89-01	1.19-01	7.91-02	5.16-02	5.15-02	4.31-02	
ST. DEV.	3.96-03	3.19-03	2.58-03	2.15-03	1.86-03	1.66-03	1.56-03	1.52-03	
S/ALPHA	1.55+00	2.10-01	5.23-02	2.11-02	7.86-03	4.10-03	3.53-03	2.74-03	
ST. DEV.	1.43-02	2.61-03	7.13-04	3.80-04	1.85-04	1.32-04	1.07-04	9.67-05	

				BETA = -1.00+00					
ALPHA	2.81-01	1.19+00	3.51+00	5.47+00	9.75+00	1.22+01	1.41+01	1.52+01	
SIGPAR	5.02-24	4.66-24	4.87-24	3.19-24	2.44-24	1.66-24	1.64-24	1.35-24	
ST. DEV.	6.78-26	7.01-26	6.74-26	5.84-26	5.10-26	4.58-26	4.47-26	4.27-26	
S	1.42-01	1.32-01	1.38-01	9.03-02	6.90-02	4.71-02	4.63-02	3.83-02	
ST. DEV.	1.92-03	1.99-03	1.91-03	1.65-03	1.44-03	1.30-03	1.26-03	1.21-03	
S/ALPHA	5.06-01	1.11-01	3.92-02	1.65-02	7.08-03	3.86-03	3.28-03	2.51-03	
ST. DEV.	6.84-03	1.67-03	5.43-04	3.02-04	1.48-04	1.06-04	8.96-05	7.93-05	

				BETA = -1.50+00					
ALPHA	2.93-01	1.17+00	3.41+00	5.30+00	9.43+00	1.18+01	1.36+01	1.47+01	
SIGPAR	1.91-24	3.15-24	3.99-24	2.87-24	2.32-24	1.82-24	1.72-24	1.48-24	
ST. DEV.	4.38-26	5.60-26	6.21-26	5.70-26	4.98-26	4.67-26	4.47-26	4.40-26	
S	4.37-02	7.21-02	9.11-02	6.57-02	5.31-02	4.15-02	3.93-02	3.38-02	
ST. DEV.	1.00-03	1.28-03	1.42-03	1.30-03	1.14-03	1.07-03	1.02-03	1.01-03	
S/ALPHA	1.49-01	6.15-02	2.67-02	1.24-02	5.63-03	3.52-03	2.88-03	2.30-03	
ST. DEV.	3.42-03	1.09-03	4.16-04	2.46-04	1.21-04	9.06-05	7.49-05	6.82-05	

				BETA = -2.00+00					
ALPHA	3.15-01	1.16+00	3.32+00	5.13+00	9.11+00	1.14+01	1.32+01	1.42+01	
SIGPAR	1.45-24	2.46-24	3.33-24	2.56-24	2.33-24	1.76-24	1.63-24	1.50-24	
ST. DEV.	3.95-26	4.68-26	5.65-26	5.52-26	4.85-26	4.61-26	4.36-26	4.24-26	
S	2.69-02	4.56-02	6.16-02	4.74-02	4.31-02	3.26-02	3.02-02	2.77-02	
ST. DEV.	7.30-04	8.65-04	1.05-03	1.02-03	8.97-04	8.52-04	8.07-04	7.84-04	
S/ALPHA	8.55-02	3.93-02	1.86-02	9.23-03	4.73-03	2.87-03	2.29-03	1.95-03	
ST. DEV.	2.32-03	7.46-04	3.15-04	1.99-04	9.85-05	7.49-05	6.13-05	5.52-05	

				BETA = -2.50+00					
ALPHA	3.48-01	1.16+00	3.23+00	4.97+00	8.78+00	1.10+01	1.27+01	1.37+01	
SIGPAR	1.03-24	1.88-24	2.79-24	2.26-24	2.22-24	1.73-24	1.52-24	1.43-24	
ST. DEV.	3.75-26	4.25-26	5.15-26	5.36-26	4.65-26	4.49-26	4.28-26	4.26-26	
S	1.55-02	2.83-02	4.19-02	3.39-02	3.33-02	2.60-02	2.28-02	2.15-02	
ST. DEV.	5.63-04	6.38-04	7.73-04	8.05-04	6.99-04	6.75-04	6.42-04	6.39-04	
S/ALPHA	4.46-02	2.44-02	1.30-02	6.82-03	3.79-03	2.37-03	1.80-03	1.57-03	
ST. DEV.	1.62-03	5.51-04	2.40-04	1.62-04	7.96-05	6.16-05	5.07-05	4.67-05	

				BETA = -3.00+00					
ALPHA	3.94-01	1.17+00	3.14+00	4.81+00	8.45+00	1.05+01	1.22+01	1.31+01	
SIGPAR	8.08-25	1.34-24	2.14-24	1.94-24	1.86-24	1.61-24	1.34-24	1.38-24	
ST. DEV.	3.49-26	3.76-26	4.62-26	4.94-26	4.31-26	4.41-26	4.16-26	4.25-26	
S	9.89-03	1.63-02	2.62-02	2.37-02	2.28-02	1.98-02	1.64-02	1.68-02	
ST. DEV.	4.27-04	4.61-04	5.66-04	6.05-04	5.27-04	5.40-04	5.10-04	5.20-04	
S/ALPHA	2.51-02	1.40-02	8.33-03	4.93-03	2.70-03	1.88-03	1.35-03	1.28-03	
ST. DEV.	1.08-03	3.94-04	1.80-04	1.26-04	6.24-05	5.13-05	4.19-05	3.96-05	

				BETA = -3.50+00					
ALPHA	4.54-01	1.19+00	3.07+00	4.65+00	8.12+00	1.01+01	1.16+01	1.26+01	
SIGPAR	5.65-25	9.08-25	1.64-24	1.84-24	1.68-24	1.49-24	1.24-24	1.16-24	
ST. DEV.	3.58-26	3.52-26	4.28-26	4.55-26	4.10-26	4.25-26	4.00-26	4.09-26	
S	5.66-03	9.10-03	1.64-02	1.85-02	1.68-02	1.49-02	1.24-02	1.16-02	
ST. DEV.	3.59-04	3.53-04	4.29-04	4.56-04	4.11-04	4.26-04	4.01-04	4.09-04	
S/ALPHA	1.25-02	7.64-03	5.36-03	3.97-03	2.07-03	1.47-03	1.06-03	9.26-04	
ST. DEV.	7.90-04	2.96-04	1.40-04	9.79-05	5.06-05	4.22-05	3.44-05	3.26-05	

BETA = -4.00+00

ALPHA	5.31-01	1.23+00	3.01+00	4.50+00	7.78+00	9.65+00	1.11+01	1.20+01
SIGPAR	4.90-25	7.28-25	1.36-24	1.48-24	1.53-24	1.40-24	1.22-24	1.06-24
ST. DEV.	3.45-26	3.43-26	4.01-26	4.14-26	4.00-26	4.25-26	4.09-26	3.93-26
S	4.04-03	6.01-03	1.12-02	1.22-02	1.26-02	1.16-02	1.01-02	8.71-03
ST. DEV.	2.85-04	2.83-04	3.31-04	3.42-04	3.30-04	3.51-04	3.38-04	3.24-04
S/ALPHA	7.61-03	4.89-03	3.73-03	2.70-03	1.62-03	1.20-03	9.04-04	7.26-04
ST. DEV.	5.36-04	2.30-04	1.10-04	7.59-05	4.25-05	3.63-05	3.04-05	2.71-05

BETA = -4.50+00

ALPHA	6.28-01	1.28+00	2.95+00	4.36+00	7.44+00	9.20+00	1.06+01	1.14+01
SIGPAR	4.31-25	6.41-25	1.14-24	1.31-24	1.36-24	1.15-24	1.13-24	1.08-24
ST. DEV.	3.39-26	3.40-26	4.04-26	4.12-26	3.95-26	4.15-26	4.03-26	3.89-26
S	2.95-03	4.38-03	7.78-03	8.95-03	9.28-03	7.89-03	7.71-03	7.39-03
ST. DEV.	2.32-04	2.33-04	2.76-04	2.82-04	2.70-04	2.84-04	2.75-04	2.66-04
S/ALPHA	4.69-03	3.42-03	2.63-03	2.05-03	1.25-03	8.58-04	7.29-04	6.49-04
ST. DEV.	3.69-04	1.81-04	9.35-05	6.46-05	3.63-05	3.09-05	2.61-05	2.33-05

BETA = -5.00+00

ALPHA	7.49-01	1.36+00	2.91+00	4.22+00	7.09+00	8.73+00	1.00+01	1.08+01
SIGPAR	3.75-25	4.92-25	9.10-25	1.16-24	1.23-24	1.08-24	1.12-24	9.94-25
ST. DEV.	3.66-26	3.50-26	4.05-26	4.08-26	3.96-26	4.26-26	4.10-26	4.14-26
S	2.15-03	2.82-03	5.21-03	6.65-03	7.02-03	6.17-03	6.43-03	5.69-03
ST. DEV.	2.10-04	2.00-04	2.32-04	2.34-04	2.26-04	2.44-04	2.35-04	2.37-04
S/ALPHA	2.86-03	2.07-03	1.79-03	1.57-03	9.90-04	7.07-04	6.42-04	5.28-04
ST. DEV.	2.80-04	1.47-04	7.96-05	5.53-05	3.19-05	2.79-05	2.35-05	2.20-05

BETA = -5.50+00

ALPHA	9.00-01	1.46+00	2.89+00	4.10+00	6.73+00	8.24+00	9.42+00	1.01+01
SIGPAR	4.69-25	4.85-25	8.23-25	9.01-25	1.19-24	9.66-25	1.08-24	8.42-25
ST. DEV.	3.74-26	3.64-26	4.01-26	4.15-26	3.98-26	4.11-26	4.10-26	4.10-26
S	2.27-03	2.35-03	3.99-03	4.37-03	5.74-03	4.68-03	5.21-03	4.08-03
ST. DEV.	1.81-04	1.76-04	1.94-04	2.01-04	1.93-04	1.99-04	1.99-04	1.99-04
S/ALPHA	2.52-03	1.61-03	1.38-03	1.07-03	8.53-04	5.68-04	5.53-04	4.03-04
ST. DEV.	2.01-04	1.21-04	6.72-05	4.91-05	2.87-05	2.41-05	2.11-05	1.96-05

BETA = -6.00+00

ALPHA	1.09+00	1.60+00	2.89+00	3.98+00	6.37+00	7.73+00	8.79+00	9.43+00
SIGPAR	4.31-25	4.52-25	7.95-25	7.67-25	9.41-25	9.87-25	9.30-25	8.52-25
ST. DEV.	3.83-26	3.88-26	4.12-26	4.12-26	3.98-26	4.21-26	4.05-26	4.18-26
S	1.80-03	1.89-03	3.31-03	3.20-03	3.93-03	4.12-03	3.88-03	3.55-03
ST. DEV.	1.60-04	1.62-04	1.72-04	1.72-04	1.66-04	1.76-04	1.69-04	1.74-04
S/ALPHA	1.65-03	1.18-03	1.15-03	8.04-04	6.17-04	5.33-04	4.41-04	3.77-04
ST. DEV.	1.46-04	1.01-04	5.95-05	4.32-05	2.61-05	2.27-05	1.92-05	1.85-05

BETA = -6.50+00

ALPHA	1.33+00	1.78+00	2.92+00	3.88+00	5.98+00	7.19+00	8.13+00	8.69+00
SIGPAR	2.21-25	2.98-25	6.53-25	5.85-25	7.13-25	8.38-25	7.63-25	8.22-25
ST. DEV.	4.05-26	4.06-26	4.39-26	4.30-26	4.16-26	4.48-26	4.28-26	4.44-26
S	8.14-04	1.10-03	2.40-03	2.15-03	2.63-03	3.09-03	2.81-03	3.03-03
ST. DEV.	1.49-04	1.50-04	1.62-04	1.59-04	1.53-04	1.65-04	1.58-04	1.64-04
S/ALPHA	6.12-04	6.17-04	8.23-04	5.55-04	4.39-04	4.29-04	3.46-04	3.48-04
ST. DEV.	1.12-04	8.41-05	5.54-05	4.08-05	2.56-05	2.29-05	1.94-05	1.88-05

BETA = -7.00+00

ALPHA	1.65+00	2.03+00	2.99+00	3.80+00	5.58+00	6.60+00	7.39+00	7.87+00
SIGPAR	1.58-25	1.38-25	4.30-25	4.60-25	6.04-25	6.00-25	6.26-25	6.24-25
ST. DEV.	4.48-26	4.38-26	4.76-26	4.78-26	4.49-26	4.87-26	4.45-26	4.64-26
S	5.36-04	4.69-04	1.46-03	1.56-03	2.05-03	2.04-03	2.12-03	2.12-03
ST. DEV.	1.52-04	1.48-04	1.62-04	1.62-04	1.52-04	1.65-04	1.51-04	1.57-04
S/ALPHA	3.25-04	2.31-04	4.88-04	4.11-04	3.67-04	3.09-04	2.87-04	2.69-04
ST. DEV.	9.21-05	7.32-05	5.40-05	4.26-05	2.73-05	2.51-05	2.04-05	2.00-05

BETA = -7.50+00

ALPHA	2.10+00	2.39+00	3.14+00	3.77+00	5.15+00	5.94+00	6.55+00	6.92+00
SIGPAR	9.84-26	9.89-26	3.38-25	2.99-25	1.56-25	5.44-25	3.76-25	4.12-25
ST. DEV.	5.05-26	5.01-26	5.55-26	5.45-26	5.15-26	5.50-26	5.12-26	5.30-26
S	3.35-04	3.37-04	1.15-03	1.02-03	5.31-04	1.86-03	1.28-03	1.41-03
ST. DEV.	1.72-04	1.71-04	1.89-04	1.86-04	1.76-04	1.88-04	1.75-04	1.81-04
S/ALPHA	1.60-04	1.41-04	3.67-04	2.71-04	1.03-04	3.13-04	1.96-04	2.03-04
ST. DEV.	8.20-05	7.14-05	6.03-05	4.93-05	3.41-05	3.16-05	2.67-05	2.61-05

TABLE VIII. D₂O, Al(220), He³ counters, 1.5 m flight path

BETA = 1.00+00										
ALPHA	1.80-01	6.21-01	1.33+00	2.25+00	3.32+00	4.46+00	5.61+00	7.00+00	7.88+00	8.50+00
SIGPAR	8.73-25	1.46-24	2.10-24	2.56-24	2.55-24	1.88-24	1.65-24	1.47-24	1.51-24	1.42-24
ST. DEV.	3.38-26	4.68-26	5.25-26	5.78-26	5.78-26	4.99-26	5.33-26	5.53-26	5.63-26	5.22-26
S	5.42-02	9.09-02	1.31-01	1.59-01	1.59-01	1.17-01	1.03-01	9.15-02	9.39-02	8.79-02
ST. DEV.	2.10-03	2.91-03	3.26-03	3.59-03	3.59-03	3.10-03	3.31-03	3.43-03	3.50-03	3.24-03
S/ALPHA	3.02-01	1.46-01	9.86-02	7.07-02	4.78-02	2.61-02	1.83-02	1.31-02	1.19-02	1.03-02
ST. DEV.	1.17-02	4.68-03	2.46-03	1.60-03	1.08-03	6.95-04	5.90-04	4.91-04	4.44-04	3.81-04
BETA = 7.50-01										
ALPHA	1.64-01	5.94-01	1.28+00	2.18+00	3.22+00	4.34+00	5.46+00	6.81+00	7.67+00	8.27+00
SIGPAR	1.55-24	2.51-24	3.15-24	3.97-24	3.81-24	2.66-24	2.20-24	1.93-24	1.98-24	1.84-24
ST. DEV.	4.28-26	6.32-26	6.63-26	7.24-26	6.92-26	5.96-26	6.02-26	6.12-26	6.25-26	5.67-26
S	8.73-02	1.41-01	1.78-01	2.24-01	2.14-01	1.50-01	1.24-01	1.09-01	1.11-01	1.04-01
ST. DEV.	2.41-03	3.56-03	3.73-03	4.07-03	3.89-03	3.35-03	3.39-03	3.44-03	3.52-03	3.19-03
S/ALPHA	5.33-01	2.38-01	1.39-01	1.03-01	6.64-02	3.45-02	2.27-02	1.60-02	1.45-02	1.25-02
ST. DEV.	1.47-02	5.99-03	2.91-03	1.87-03	1.21-03	7.72-04	6.21-04	5.05-04	4.59-04	3.86-04
BETA = 5.00-01										
ALPHA	1.51-01	5.70-01	1.24+00	2.11+00	3.13+00	4.21+00	5.30+00	6.62+00	7.45+00	8.04+00
SIGPAR	5.22-24	6.12-24	6.28-24	6.39-24	5.49-24	3.62-24	2.85-24	2.38-24	2.32-24	2.18-24
ST. DEV.	7.91-26	9.76-26	9.27-26	9.19-26	8.47-26	6.99-26	6.86-26	7.12-26	6.91-26	6.29-26
S	2.66-01	3.12-01	3.21-01	3.26-01	2.80-01	1.85-01	1.45-01	1.21-01	1.18-01	1.11-01
ST. DEV.	4.04-03	4.98-03	4.73-03	4.69-03	4.32-03	3.57-03	3.50-03	3.63-03	3.53-03	3.21-03
S/ALPHA	1.76+00	5.48-01	2.59-01	1.54-01	8.96-02	4.39-02	2.74-02	1.84-02	1.59-02	1.38-02
ST. DEV.	2.67-02	8.74-03	3.82-03	2.22-03	1.38-03	8.47-04	6.60-04	5.49-04	4.73-04	3.99-04
BETA = 2.50-01										
ALPHA	1.41-01	5.48-01	1.20+00	2.05+00	3.03+00	4.09+00	5.15+00	6.43+00	7.23+00	7.31+00
SIGPAR	3.30-23	1.82-23	1.20-23	1.01-23	7.82-24	4.76-24	3.59-24	2.78-24	2.70-24	2.90-24
ST. DEV.	1.98-25	1.67-25	1.39-25	1.24-25	1.03-25	8.47-26	8.04-26	7.74-26	7.79-26	7.07-26
S	1.53+00	8.45-01	5.58-01	4.66-01	3.62-01	2.21-01	1.66-01	1.29-01	1.25-01	1.34-01
ST. DEV.	9.18-03	7.74-03	6.45-03	5.76-03	4.77-03	3.93-03	3.72-03	3.59-03	3.61-03	3.28-03
S/ALPHA	1.08+01	1.54+00	4.66-01	2.28-01	1.19-01	5.40-02	3.23-02	2.00-02	1.73-02	1.72-02
ST. DEV.	6.50-02	1.41-02	5.38-03	2.81-03	1.57-03	9.61-04	7.24-04	5.58-04	4.99-04	4.20-04

BETA = 7.30-08

ALPHA	1.35-01	5.30-01	1.16+00	1.98+00	2.94+00	3.96+00	4.99+00	6.23+00	7.01+00	7.57+00
SIGPAR	8.33-23	3.16-23	1.62-23	1.28-23	9.82-24	5.91-24	4.10-24	3.30-24	3.15-24	3.44-24
ST. DEV.	3.42-25	2.29-25	1.85-25	1.53-25	1.21-25	9.85-26	9.79-26	8.63-26	9.94-26	7.97-26
S	3.51+00	1.33+00	6.84-01	5.41-01	4.14-01	2.49-01	1.73-01	1.39-01	1.33-01	1.45-01
ST. DEV.	1.44-02	9.68-03	7.79-03	6.47-03	5.09-03	4.15-03	4.13-03	3.64-03	3.77-03	3.36-03
S/ALPHA	2.60+01	2.51+00	5.90-01	2.72-01	1.41-01	6.29-02	3.46-02	2.24-02	1.89-02	1.92-02
ST. DEV.	1.07-01	1.83-02	6.72-03	3.26-03	1.73-03	1.05-03	8.28-04	5.84-04	5.37-04	4.44-04

BETA = -2.50-01

ALPHA	1.33-01	5.15-01	1.12+00	1.92+00	2.85+00	3.84+00	4.83+00	6.03+00	6.79+00	7.33+00
SIGPAR	3.37-23	1.96-23	1.34-23	1.20-23	1.02-23	6.56-24	4.34-24	3.51-24	3.55-24	3.57-24
ST. DEV.	2.32-25	1.89-25	1.58-25	1.43-25	1.22-25	1.02-25	9.07-26	8.74-26	8.79-26	8.16-26
S	1.30+00	7.55-01	5.15-01	4.60-01	3.94-01	2.52-01	1.67-01	1.35-01	1.37-01	1.37-01
ST. DEV.	8.93-03	7.26-03	6.06-03	5.49-03	4.71-03	3.93-03	3.49-03	3.36-03	3.38-03	3.14-03
S/ALPHA	9.76+00	1.47+00	4.58-01	2.39-01	1.38-01	6.57-02	3.45-02	2.23-02	2.01-02	1.87-02
ST. DEV.	6.72-02	1.41-02	5.39-03	2.85-03	1.65-03	1.02-03	7.21-04	5.57-04	4.98-04	4.28-04

BETA = -5.00-01

ALPHA	1.35-01	5.04-01	1.09+00	1.86+00	2.76+00	3.71+00	4.67+00	5.83+00	6.56+00	7.08+00
SIGPAR	6.27-24	7.38-24	7.97-24	9.11-24	8.71-24	6.53-24	4.38-24	3.90-24	3.86-24	3.83-24
ST. DEV.	1.00-25	1.23-25	1.21-25	1.23-25	1.15-25	1.01-25	8.47-26	8.82-26	8.92-26	8.19-26
S	2.20-01	2.59-01	2.80-01	3.20-01	3.06-01	2.29-01	1.54-01	1.37-01	1.36-01	1.34-01
ST. DEV.	3.52-03	4.31-03	4.24-03	4.32-03	4.02-03	3.54-03	2.98-03	3.10-03	3.13-03	2.88-03
S/ALPHA	1.63+00	5.15-01	2.56-01	1.72-01	1.11-01	6.18-02	3.30-02	2.35-02	2.07-02	1.90-02
ST. DEV.	2.61-02	8.55-03	3.88-03	2.32-03	1.46-03	9.54-04	6.37-04	5.31-04	4.77-04	4.06-04

BETA = -7.50-01

ALPHA	1.41-01	4.97-01	1.06+00	1.81+00	2.67+00	3.59+00	4.51+00	5.63+00	6.33+00	6.83+00
SIGPAR	2.77-24	3.62-24	5.00-24	6.08-24	6.64-24	5.84-24	4.31-24	3.77-24	3.53-24	3.68-24
ST. DEV.	6.41-26	8.75-26	9.93-26	1.06-25	1.03-25	9.83-26	8.30-26	8.96-26	8.69-26	8.16-26
S	8.90-02	1.16-01	1.61-01	1.96-01	2.14-01	1.88-01	1.39-01	1.21-01	1.14-01	1.19-01
ST. DEV.	2.06-03	2.82-03	3.20-03	3.40-03	3.32-03	3.17-03	2.67-03	2.89-03	2.80-03	2.63-03
S/ALPHA	6.29+01	2.34-01	1.51-01	1.08-01	8.01-02	5.24-02	3.08-02	2.16-02	1.79-02	1.73-02
ST. DEV.	1.46-02	5.67-03	3.01-03	1.88-03	1.25-03	8.83-04	5.92-04	5.13-04	4.42-04	3.85-04

BETA = -1.00+00

ALPHA	1.53-01	4.94-01	1.04+00	1.75+00	2.58+00	3.46+00	4.35+00	5.42+00	6.10+00	6.58+00
SIGPAR	1.99-24	2.65-24	3.81-24	4.49-24	5.39-24	5.22-24	3.98-24	3.28-24	3.42-24	3.75-24
ST. DEV.	5.47-26	7.05-26	8.24-26	9.21-26	9.57-26	9.32-26	8.01-26	8.57-26	8.51-26	8.05-26
S	5.89-02	7.83-02	1.13-01	1.33-01	1.60-01	1.55-01	1.18-01	9.70-02	1.01-01	1.11-01
ST. DEV.	1.62-03	2.09-03	2.44-03	2.72-03	2.83-03	2.76-03	2.37-03	2.53-03	2.52-03	2.38-03
S/ALPHA	3.84-01	1.58-01	1.08-01	7.59-02	6.19-02	4.46-02	2.71-02	1.79-02	1.66-02	1.68-02
ST. DEV.	1.05-02	4.22-03	2.35-03	1.56-03	1.10-03	7.96-04	5.45-04	4.67-04	4.13-04	3.62-04

BETA = -1.25+00

ALPHA	1.71-01	4.97-01	1.02+00	1.70+00	2.49+00	3.34+00	4.19+00	5.21+00	5.86+00	6.32+00
SIGPAR	1.54-24	2.37-24	3.20-24	3.79-24	4.47-24	4.62-24	3.70-24	3.29-24	3.10-24	3.24-24
ST. DEV.	4.87-26	6.29-26	6.92-26	8.00-26	8.62-26	8.65-26	7.41-26	8.18-26	8.06-26	7.64-26
S	4.20-02	6.46-02	8.74-02	1.04-01	1.22-01	1.26-01	1.01-01	8.99-02	8.46-02	8.84-02
ST. DEV.	1.33-03	1.72-03	1.89-03	2.18-03	2.35-03	2.36-03	2.02-03	2.23-03	2.20-03	2.09-03
S/ALPHA	2.45-01	1.30-01	8.59-02	6.09-02	4.89-02	3.78-02	2.41-02	1.72-02	1.44-02	1.40-02
ST. DEV.	7.76-03	3.45-03	1.85-03	1.28-03	9.44-04	7.07-04	4.83-04	4.28-04	3.75-04	3.30-04

BETA = -1.50+00

ALPHA	1.96-01	5.06-01	1.00+00	1.65+00	2.41+00	3.21+00	4.02+00	5.00+00	5.62+00	6.05+00
SIGPAR	1.48-24	2.13-24	3.07-24	3.35-24	3.76-24	4.16-24	3.31-24	2.89-24	2.92-24	3.10-24
ST. DEV.	4.49-26	5.71-26	6.17-26	6.90-26	7.56-26	8.00-26	6.85-26	7.54-26	7.71-26	7.26-26
S	3.73-02	5.38-02	7.76-02	8.46-02	9.50-02	1.05-01	8.36-02	7.31-02	7.37-02	7.84-02
ST. DEV.	1.13-03	1.44-03	1.56-03	1.74-03	1.91-03	2.02-03	1.73-03	1.91-03	1.95-03	1.83-03
S/ALPHA	1.91-01	1.06-01	7.74-02	5.12-02	3.95-02	3.27-02	2.08-02	1.46-02	1.31-02	1.29-02
ST. DEV.	5.79-03	2.85-03	1.56-03	1.06-03	7.95-04	6.30-04	4.31-04	3.82-04	3.47-04	3.03-04

BETA = -1.75+00

ALPHA	2.28-01	5.23-01	9.93-01	1.61+00	2.32+00	3.09+00	3.85+00	4.78+00	5.36+00	5.78+00
SIGPAR	1.45-24	2.07-24	2.82-24	3.00-24	3.30-24	3.59-24	3.19-24	2.72-24	2.68-24	2.79-24
ST. DEV.	4.50-26	5.54-26	5.77-26	6.12-26	6.71-26	7.20-26	6.46-26	7.01-26	7.17-26	6.94-26
S	3.41-02	4.86-02	6.64-02	7.06-02	7.77-02	8.46-02	7.50-02	6.41-02	6.30-02	6.57-02
ST. DEV.	1.06-03	1.30-03	1.36-03	1.44-03	1.58-03	1.69-03	1.52-03	1.65-03	1.69-03	1.63-03
S/ALPHA	1.50-01	9.30-02	6.69-02	4.39-02	3.34-02	2.74-02	1.95-02	1.34-02	1.18-02	1.14-02
ST. DEV.	4.64-03	2.50-03	1.37-03	8.96-04	6.80-04	5.49-04	3.94-04	3.45-04	3.15-04	2.83-04

				BETA	= -2.00+00						
ALPHA	2.70-01	5.47-01	9.90-01	1.57+00	2.24+00	2.96+00	3.68+00	4.55+00	5.11+00	5.50+00	
SIGPAR	1.29-24	1.96-24	2.37-24	2.86-24	3.04-24	3.06-24	2.89-24	2.55-24	2.44-24	2.56-24	
ST. DEV.	4.37-26	5.43-26	5.33-26	5.78-26	6.15-26	6.56-26	6.06-26	6.58-26	6.56-26	6.56-26	
S	2.84-02	4.32-02	5.23-02	6.32-02	6.70-02	6.75-02	6.37-02	5.63-02	5.37-02	5.65-02	
ST. DEV.	9.64-04	1.20-03	1.18-03	1.27-03	1.36-03	1.45-03	1.34-03	1.45-03	1.45-03	1.45-03	
S/ALPHA	1.05-01	7.90-02	5.29-02	4.02-02	2.99-02	2.28-02	1.73-02	1.24-02	1.05-02	1.03-02	
ST. DEV.	3.57-03	2.19-03	1.19-03	8.12-04	6.05-04	4.88-04	3.63-04	3.19-04	2.83-04	2.63-04	

				BETA	= -2.25+00						
ALPHA	3.23-01	5.82-01	9.95-01	1.54+00	2.16+00	2.84+00	3.51+00	4.32+00	4.84+00	5.20+00	
SIGPAR	1.22-24	1.66-24	2.05-24	2.40-24	2.52-24	2.65-24	2.66-24	2.26-24	2.26-24	2.13-24	
ST. DEV.	4.24-26	5.08-26	4.91-26	5.28-26	5.55-26	5.91-26	5.81-26	6.09-26	6.33-26	6.25-26	
S	2.54-02	3.47-02	4.27-02	5.00-02	5.24-02	5.52-02	5.54-02	4.70-02	4.70-02	4.44-02	
ST. DEV.	8.84-04	1.06-03	1.02-03	1.10-03	1.16-03	1.23-03	1.21-03	1.27-03	1.32-03	1.30-03	
S/ALPHA	7.87-02	5.97-02	4.29-02	3.26-02	2.42-02	1.95-02	1.58-02	1.09-02	9.72-03	8.53-03	
ST. DEV.	2.74-03	1.82-03	1.03-03	7.16-04	5.35-04	4.34-04	3.45-04	2.93-04	2.73-04	2.50-04	

				BETA	= -2.50+00						
ALPHA	3.89-01	6.28-01	1.01+00	1.51+00	2.09+00	2.71+00	3.33+00	4.08+00	4.56+00	4.90+00	
SIGPAR	1.10-24	1.30-24	1.63-24	1.94-24	2.09-24	2.37-24	2.19-24	2.16-24	2.03-24	1.90-24	
ST. DEV.	4.04-26	4.78-26	4.64-26	4.84-26	5.06-26	5.57-26	5.39-26	5.79-26	5.98-26	6.01-26	
S	2.19-02	2.59-02	3.24-02	3.86-02	4.16-02	4.73-02	4.35-02	4.30-02	4.05-02	3.79-02	
ST. DEV.	8.04-04	9.51-04	9.23-04	9.64-04	1.01-03	1.11-03	1.07-03	1.15-03	1.19-03	1.20-03	
S/ALPHA	5.64-02	4.12-02	3.21-02	2.56-02	1.99-02	1.74-02	1.31-02	1.05-02	8.87-03	7.73-03	
ST. DEV.	2.07-03	1.51-03	9.14-04	6.39-04	4.82-04	4.09-04	3.22-04	2.82-04	2.61-04	2.44-04	

				BETA	= -2.75+00						
ALPHA	4.73-01	6.90-01	1.04+00	1.49+00	2.02+00	2.59+00	3.15+00	3.84+00	4.27+00	4.58+00	
SIGPAR	9.06-25	1.16-24	1.41-24	1.54-24	1.83-24	1.98-24	1.91-24	1.78-24	1.77-24	1.82-24	
ST. DEV.	4.03-26	4.64-26	4.46-26	4.62-26	4.78-26	5.16-26	5.13-26	5.44-26	5.52-26	5.86-26	
S	1.75-02	2.23-02	2.72-02	2.97-02	3.53-02	3.83-02	3.69-02	3.43-02	3.41-02	3.52-02	
ST. DEV.	7.78-04	8.95-04	8.61-04	8.91-04	9.22-04	9.95-04	9.90-04	1.05-03	1.07-03	1.13-03	
S/ALPHA	3.70-02	3.23-02	2.62-02	1.99-02	1.75-02	1.48-02	1.17-02	8.95-03	7.98-03	7.69-03	
ST. DEV.	1.65-03	1.30-03	8.30-04	5.97-04	4.56-04	3.85-04	3.14-04	2.74-04	2.50-04	2.47-04	

				BETA = -3.00+00							
ALPHA	5.79-01	7.73-01	1.08+00	1.49+00	1.96+00	2.46+00	2.96+00	3.57+00	3.96+00	4.23+00	
SIGPAR	8.50-25	1.02-24	1.03-24	1.26-24	1.39-24	1.52-24	1.49-24	1.53-24	1.61-24	1.42-24	
ST. DEV.	4.22-26	4.73-26	4.39-26	4.48-26	4.65-26	4.95-26	5.04-26	5.33-26	5.46-26	5.95-26	
S	1.63-02	1.94-02	1.97-02	2.42-02	2.66-02	2.91-02	2.86-02	2.93-02	3.08-02	2.72-02	
ST. DEV.	8.07-04	9.05-04	8.41-04	8.57-04	8.91-04	9.48-04	9.65-04	1.02-03	1.04-03	1.14-03	
S/ALPHA	2.81-02	2.51-02	1.82-02	1.63-02	1.36-02	1.18-02	9.64-03	8.19-03	7.79-03	6.44-03	
ST. DEV.	1.39-03	1.17-03	7.77-04	5.76-04	4.55-04	3.85-04	3.26-04	2.85-04	2.64-04	2.69-04	

				BETA = -3.25+00							
ALPHA	7.19-01	8.85-01	1.15+00	1.50+00	1.90+00	2.33+00	2.77+00	3.29+00	3.62+00	3.86+00	
SIGPAR	7.75-25	8.97-25	9.32-25	9.78-25	1.18-24	1.11-24	1.30-24	1.36-24	1.28-24	1.19-24	
ST. DEV.	4.35-26	5.09-26	4.65-26	4.58-26	4.78-26	5.01-26	5.42-26	5.81-26	5.78-26	6.60-26	
S	1.52-02	1.76-02	1.83-02	1.92-02	2.33-02	2.19-02	2.56-02	2.68-02	2.53-02	2.35-02	
ST. DEV.	8.55-04	1.00-03	9.15-04	9.01-04	9.40-04	9.85-04	1.07-03	1.14-03	1.14-03	1.30-03	
S/ALPHA	2.12-02	1.99-02	1.59-02	1.28-02	1.22-02	9.37-03	9.26-03	8.14-03	6.97-03	6.09-03	
ST. DEV.	1.19-03	1.13-03	7.95-04	6.01-04	4.94-04	4.22-04	3.85-04	3.47-04	3.14-04	3.37-04	

TABLE IX. D₂O, Al(220), He³ counters, 1.5 m flight path

BETA = 4.50+00										
ALPHA	5.95-01	1.62+00	3.25+00	5.39+00	7.87+00	1.05+01	1.32+01	1.64+01	1.84+01	1.99+01
SIGPAR	3.86-26	3.20-26	5.12-26	4.78-26	4.28-26	2.40-26	2.98-26	4.42-27	3.00-26	5.86-26
ST. DEV.	6.13-27	6.70-27	6.07-27	6.02-27	5.92-27	5.97-27	8.03-27	8.93-27	9.11-27	7.74-27
S	1.29-02	1.07-02	1.71-02	1.60-02	1.43-02	8.00-03	9.95-03	1.47-03	1.00-02	1.96-02
ST. DEV.	2.05-03	2.24-03	2.03-03	2.01-03	1.98-03	1.99-03	2.68-03	2.98-03	3.04-03	2.58-03
S/ALPHA	2.17-02	6.59-03	5.26-03	2.96-03	1.82-03	7.61-04	7.55-04	8.99-05	5.44-04	9.85-04
ST. DEV.	3.44-03	1.38-03	6.24-04	3.73-04	2.51-04	1.89-04	2.03-04	1.82-04	1.65-04	1.30-04
BETA = 4.00+00										
ALPHA	5.41-01	1.54+00	3.14+00	5.24+00	7.67+00	1.03+01	1.29+01	1.60+01	1.80+01	1.94+01
SIGPAR	5.33-26	6.47-26	7.77-26	7.34-26	7.23-26	4.25-26	5.28-26	2.99-26	4.39-26	8.83-26
ST. DEV.	6.56-27	7.42-27	6.78-27	6.55-27	6.67-27	6.72-27	9.05-27	9.85-27	1.00-26	8.57-27
S	1.41-02	1.72-02	2.06-02	1.95-02	1.92-02	1.13-02	1.40-02	7.94-03	1.16-02	2.34-02
ST. DEV.	1.74-03	1.97-03	1.80-03	1.74-03	1.77-03	1.78-03	2.40-03	2.61-03	2.66-03	2.27-03
S/ALPHA	2.62-02	1.11-02	6.56-03	3.71-03	2.50-03	1.10-03	1.09-03	4.96-04	6.46-04	1.20-03
ST. DEV.	3.22-03	1.28-03	5.72-04	3.31-04	2.31-04	1.74-04	1.86-04	1.63-04	1.48-04	1.17-04
BETA = 3.50+00										
ALPHA	4.91-01	1.47+00	3.04+00	5.09+00	7.47+00	1.00+01	1.26+01	1.57+01	1.76+01	1.90+01
SIGPAR	6.41-26	9.98-26	1.27-25	1.18-25	1.16-25	7.85-26	9.47-26	6.72-26	6.57-26	9.74-26
ST. DEV.	7.08-27	8.41-27	7.80-27	7.55-27	7.69-27	7.62-27	1.01-26	1.12-26	1.11-26	9.47-27
S	1.35-02	2.10-02	2.67-02	2.48-02	2.44-02	1.66-02	2.00-02	1.42-02	1.39-02	2.06-02
ST. DEV.	1.49-03	1.77-03	1.64-03	1.59-03	1.62-03	1.61-03	2.14-03	2.37-03	2.34-03	2.00-03
S/ALPHA	2.75-02	1.43-02	8.80-03	4.88-03	3.27-03	1.65-03	1.59-03	9.05-04	7.86-04	1.08-03
ST. DEV.	3.04-03	1.20-03	5.41-04	3.13-04	2.17-04	1.60-04	1.70-04	1.51-04	1.33-04	1.05-04
BETA = 3.00+00										
ALPHA	4.46-01	1.41+00	2.94+00	4.95+00	7.28+00	9.77+00	1.23+01	1.53+01	1.72+01	1.86+01
SIGPAR	9.91-26	1.79-25	2.38-25	1.93-25	1.85-25	1.59-25	1.44-25	1.21-25	1.05-25	1.28-25
ST. DEV.	8.15-27	9.91-27	9.53-27	9.31-27	9.30-27	9.18-27	1.15-26	1.28-26	1.25-26	1.08-26
S	1.66-02	3.00-02	4.00-02	3.24-02	3.11-02	2.66-02	2.42-02	2.03-02	1.76-02	2.15-02
ST. DEV.	1.37-03	1.66-03	1.60-03	1.56-03	1.56-03	1.54-03	1.92-03	2.16-03	2.10-03	1.81-03
S/ALPHA	3.74-02	2.13-02	1.36-02	6.55-03	4.27-03	2.73-03	1.97-03	1.33-03	1.03-03	1.16-03
ST. DEV.	3.07-03	1.18-03	5.44-04	3.16-04	2.15-04	1.58-04	1.57-04	1.41-04	1.22-04	9.73-05

				BETA = 2.50+00						
ALPHA	4.05-01	1.34+00	2.84+00	4.61+00	7.08+00	9.52+00	1.20+01	1.49+01	1.68+01	1.81+01
SIGPAR	1.90-25	3.34-25	4.09-25	3.10-25	3.31-25	2.94-25	2.11-25	1.81-25	1.63-25	2.09-25
ST. DEV.	1.01-26	1.27-26	1.28-26	1.26-26	1.24-26	1.17-26	1.42-26	1.56-26	1.52-26	1.29-26
S	2.55-02	4.46-02	5.47-02	4.15-02	4.43-02	3.93-02	2.83-02	2.42-02	2.18-02	2.79-02
ST. DEV.	1.35-03	1.70-03	1.71-03	1.68-03	1.66-03	1.57-03	1.91-03	2.09-03	2.04-03	1.72-03
S/ALPHA	6.29-02	3.32-02	1.92-02	8.62-03	6.25-03	4.13-03	2.36-03	1.62-03	1.30-03	1.54-03
ST. DEV.	3.34-03	1.26-03	6.00-04	3.50-04	2.34-04	1.65-04	1.59-04	1.40-04	1.22-04	9.51-05

				BETA = 2.00+00						
ALPHA	3.69-01	1.29+00	2.75+00	4.67+00	6.89+00	9.27+00	1.17+01	1.45+01	1.64+01	1.77+01
SIGPAR	3.54-25	5.75-25	7.55-25	5.70-25	5.58-25	4.67-25	3.80-25	2.79-25	2.81-25	2.98-25
ST. DEV.	1.34-26	1.70-26	1.80-26	1.64-26	1.66-26	1.54-26	1.74-26	1.82-26	1.78-26	1.58-26
S	3.78-02	6.14-02	8.06-02	6.08-02	5.95-02	4.99-02	4.05-02	2.98-02	3.00-02	3.18-02
ST. DEV.	1.43-03	1.81-03	1.93-03	1.75-03	1.77-03	1.64-03	1.86-03	1.94-03	1.90-03	1.69-03
S/ALPHA	1.03-01	4.77-02	2.93-02	1.30-02	8.64-03	5.38-03	3.48-03	2.05-03	1.83-03	1.80-03
ST. DEV.	3.88-03	1.41-03	7.00-04	3.74-04	2.56-04	1.77-04	1.59-04	1.34-04	1.16-04	9.56-05

				BETA = 1.50+00						
ALPHA	3.38-01	1.23+00	2.66+00	4.53+00	6.70+00	9.02+00	1.13+01	1.42+01	1.59+01	1.72+01
SIGPAR	7.66-25	1.16-24	1.55-24	1.05-24	9.79-25	8.07-25	5.88-25	4.64-25	4.01-25	4.61-25
ST. DEV.	1.75-26	2.24-26	2.31-26	1.99-26	1.92-26	1.76-26	1.92-26	1.96-26	1.92-26	1.69-26
S	6.52-02	9.89-02	1.32-01	8.93-02	8.34-02	6.87-02	5.01-02	3.96-02	3.41-02	3.93-02
ST. DEV.	1.49-03	1.91-03	1.97-03	1.69-03	1.63-03	1.50-03	1.64-03	1.67-03	1.64-03	1.44-03
S/ALPHA	1.93-01	8.03-02	4.95-02	1.97-02	1.25-02	7.62-03	4.42-03	2.79-03	2.14-03	2.29-03
ST. DEV.	4.41-03	1.55-03	7.41-04	3.73-04	2.44-04	1.67-04	1.44-04	1.18-04	1.03-04	8.35-05

				BETA = 1.00+00						
ALPHA	3.13-01	1.18+00	2.58+00	4.40+00	6.51+00	8.77+00	1.10+01	1.38+01	1.55+01	1.67+01
SIGPAR	2.40-24	2.52-24	3.07-24	1.80-24	1.44-24	1.20-24	8.66-25	6.69-25	5.87-25	6.16-25
ST. DEV.	3.55-26	3.80-26	3.55-26	2.76-26	2.49-26	2.31-26	2.31-26	2.29-26	2.28-26	1.99-26
S	1.64-01	1.72-01	2.09-01	1.23-01	9.79-02	8.16-02	5.90-02	4.56-02	4.00-02	4.20-02
ST. DEV.	2.42-03	2.59-03	2.42-03	1.88-03	1.70-03	1.57-03	1.57-03	1.56-03	1.55-03	1.35-03
S/ALPHA	5.23-01	1.45-01	8.11-02	2.79-02	1.50-02	9.31-03	5.35-03	3.31-03	2.58-03	2.51-03
ST. DEV.	7.73-03	2.19-03	9.38-04	4.28-04	2.61-04	1.79-04	1.43-04	1.13-04	1.00-04	8.09-05

				BETA = 5.00-01						
ALPHA	2.94-01	1.14+00	2.49+00	4.27+00	6.32+00	8.52+00	1.07+01	1.34+01	1.51+01	1.63+01
SIGPAR	1.27-23	7.03-24	6.54-24	3.10-24	2.18-24	1.88-24	1.22-24	8.42-25	8.20-25	8.64-25
ST. DEV.	7.24-26	5.94-26	4.90-26	3.56-26	3.02-26	2.81-26	2.66-26	2.62-26	2.53-26	2.27-26
S	6.91-01	3.84-01	3.57-01	1.69-01	1.19-01	1.03-01	6.68-02	4.59-02	4.47-02	4.71-02
ST. DEV.	3.95-03	3.24-03	2.67-03	1.94-03	1.65-03	1.53-03	1.45-03	1.43-03	1.38-03	1.24-03
S/ALPHA	2.35+00	3.36-01	1.43-01	3.96-02	1.88-02	1.20-02	6.23-03	3.43-03	2.97-03	2.90-03
ST. DEV.	1.34-02	2.84-03	1.07-03	4.55-04	2.61-04	1.80-04	1.35-04	1.07-04	9.14-05	7.61-05

				BETA = 5.78-07						
ALPHA	2.82-01	1.10+00	2.42+00	4.14+00	6.13+00	8.27+00	1.04+01	1.30+01	1.46+01	1.58+01
SIGPAR	2.28-23	1.07-23	9.06-24	4.26-24	2.86-24	2.53-24	1.71-24	1.17-24	1.06-24	1.10-24
ST. DEV.	8.58-26	6.61-26	5.32-26	3.82-26	3.17-26	2.96-26	2.68-26	2.65-26	2.57-26	2.23-26
S	9.96-01	4.70-01	3.96-01	1.86-01	1.25-01	1.11-01	7.48-02	5.13-02	4.65-02	4.79-02
ST. DEV.	3.75-03	2.89-03	2.33-03	1.67-03	1.39-03	1.30-03	1.17-03	1.16-03	1.12-03	9.75-04
S/ALPHA	3.53+00	4.25-01	1.64-01	4.50-02	2.04-02	1.34-02	7.19-03	3.94-03	3.18-03	3.03-03
ST. DEV.	1.33-02	2.62-03	9.63-04	4.04-04	2.26-04	1.57-04	1.13-04	8.92-05	7.68-05	6.17-05

				BETA = -5.00-01						
ALPHA	2.77-01	1.07+00	2.35+00	4.02+00	5.95+00	8.02+00	1.01+01	1.26+01	1.42+01	1.53+01
SIGPAR	1.29-23	8.16-24	8.30-24	4.65-24	3.24-24	3.01-24	2.13-24	1.42-24	1.30-24	1.28-24
ST. DEV.	5.81-26	5.52-26	4.95-26	3.92-26	3.38-26	3.15-26	2.82-26	2.78-26	2.70-26	2.42-26
S	4.55-01	2.87-01	2.92-01	1.63-01	1.14-01	1.06-01	7.48-02	5.00-02	4.57-02	4.52-02
ST. DEV.	2.04-03	1.94-03	1.74-03	1.38-03	1.19-03	1.11-03	9.91-04	9.76-04	9.49-04	8.49-04
S/ALPHA	1.64+00	2.67-01	1.24-01	4.07-02	1.91-02	1.32-02	7.41-03	3.97-03	3.22-03	2.95-03
ST. DEV.	7.36-03	1.81-03	7.42-04	3.43-04	2.00-04	1.38-04	9.81-05	7.74-05	6.69-05	5.55-05

				BETA = -1.00+00						
ALPHA	2.81-01	1.05+00	2.28+00	3.90+00	5.77+00	7.77+00	9.77+00	1.22+01	1.37+01	1.48+01
SIGPAR	3.24-24	4.35-24	5.62-24	4.18-24	3.16-24	3.08-24	2.35-24	1.57-24	1.46-24	1.49-24
ST. DEV.	2.88-26	3.97-26	4.08-26	3.68-26	3.35-26	3.18-26	2.83-26	2.88-26	2.76-26	2.49-26
S	9.18-02	1.23-01	1.59-01	1.18-01	8.96-02	8.71-02	6.66-02	4.44-02	4.14-02	4.22-02
ST. DEV.	8.16-04	1.12-03	1.15-03	1.04-03	9.50-04	8.99-04	8.02-04	8.14-04	7.81-04	7.06-04
S/ALPHA	3.27-01	1.17-01	6.96-02	3.04-02	1.55-02	1.12-02	6.81-03	3.64-03	3.02-03	2.85-03
ST. DEV.	2.91-03	1.07-03	5.06-04	2.67-04	1.65-04	1.16-04	8.20-05	6.67-05	5.69-05	4.76-05

				BETA = -1.50+00								
ALPHA	2.93-01	1.04+00	2.23+00	3.78+00	5.59+00	7.52+00	9.45+00	1.18+01	1.33+01	1.43+01		
SIGPAR	1.65-24	3.05-24	3.93-24	3.54-24	2.89-24	2.85-24	2.36-24	1.70-24	1.52-24	1.58-24		
ST. DEV.	2.26-26	3.15-26	3.44-26	3.50-26	3.32-26	3.20-26	2.86-26	2.92-26	2.84-26	2.61-26		
S	3.76-02	6.96-02	8.98-02	8.09-02	6.59-02	6.51-02	5.39-02	3.88-02	3.47-02	3.62-02		
ST. DEV.	5.17-04	7.21-04	7.86-04	8.00-04	7.58-04	7.30-04	6.54-04	6.68-04	6.49-04	5.96-04		
S/ALPHA	1.28-01	6.71-02	4.03-02	2.14-02	1.18-02	8.66-03	5.70-03	3.29-03	2.61-03	2.52-03		
ST. DEV.	1.77-03	6.95-04	3.53-04	2.12-04	1.36-04	9.71-05	6.91-05	5.66-05	4.89-05	4.16-05		

				BETA = -2.00+00								
ALPHA	3.15-01	1.03+00	2.17+00	3.67+00	5.41+00	7.27+00	9.13+00	1.14+01	1.28+01	1.38+01		
SIGPAR	1.41-24	2.46-24	3.11-24	3.06-24	2.51-24	2.53-24	2.24-24	1.65-24	1.53-24	1.55-24		
ST. DEV.	2.09-26	2.79-26	2.93-26	3.10-26	3.12-26	3.08-26	2.70-26	2.87-26	2.81-26	2.53-26		
S	2.61-02	4.55-02	5.74-02	5.65-02	4.64-02	4.69-02	4.14-02	3.05-02	2.83-02	2.86-02		
ST. DEV.	3.86-04	5.15-04	5.41-04	5.74-04	5.77-04	5.69-04	4.99-04	5.31-04	5.19-04	4.68-04		
S/ALPHA	8.28-02	4.41-02	2.64-02	1.54-02	8.59-03	6.45-03	4.53-03	2.68-03	2.21-03	2.07-03		
ST. DEV.	1.23-03	5.00-04	2.49-04	1.56-04	1.07-04	7.83-05	5.47-05	4.66-05	4.05-05	3.39-05		

				BETA = -2.50+00								
ALPHA	3.48-01	1.04+00	2.13+00	3.57+00	5.23+00	7.02+00	8.80+00	1.10+01	1.23+01	1.33+01		
SIGPAR	1.10-24	1.91-24	2.53-24	2.66-24	2.32-24	2.28-24	2.00-24	1.62-24	1.47-24	1.53-24		
ST. DEV.	1.90-26	2.38-26	2.46-26	2.64-26	2.77-26	2.81-26	2.43-26	2.67-26	2.64-26	2.38-26		
S	1.65-02	2.87-02	3.80-02	3.99-02	3.49-02	3.42-02	3.00-02	2.43-02	2.21-02	2.29-02		
ST. DEV.	2.86-04	3.58-04	3.70-04	3.96-04	4.16-04	4.21-04	3.65-04	4.01-04	3.97-04	3.57-04		
S/ALPHA	4.74-02	2.77-02	1.78-02	1.12-02	6.67-03	4.87-03	3.41-03	2.21-03	1.79-03	1.72-03		
ST. DEV.	8.20-04	3.46-04	1.73-04	1.11-04	7.95-05	6.01-05	4.14-05	3.66-05	3.22-05	2.69-05		

				BETA = -3.00+00								
ALPHA	3.94-01	1.05+00	2.10+00	3.47+00	5.06+00	6.77+00	8.47+00	1.05+01	1.18+01	1.28+01		
SIGPAR	8.52-25	1.41-24	1.94-24	2.23-24	1.99-24	2.01-24	1.77-24	1.46-24	1.37-24	1.39-24		
ST. DEV.	1.83-26	2.23-26	2.24-26	2.38-26	2.53-26	2.70-26	2.34-26	2.57-26	2.55-26	2.31-26		
S	1.04-02	1.73-02	2.38-02	2.73-02	2.44-02	2.46-02	2.17-02	1.79-02	1.67-02	1.70-02		
ST. DEV.	2.24-04	2.73-04	2.74-04	2.91-04	3.10-04	3.30-04	2.86-04	3.14-04	3.12-04	2.83-04		
S/ALPHA	2.65-02	1.64-02	1.13-02	7.86-03	4.81-03	3.64-03	2.56-03	1.69-03	1.41-03	1.33-03		
ST. DEV.	5.68-04	2.60-04	1.30-04	8.39-05	6.11-05	4.88-05	3.38-05	2.98-05	2.64-05	2.22-05		

				BETA = -3.50+00								
ALPHA	4.54-01	1.08+00	2.08+00	3.38+00	4.90+00	6.51+00	8.14+00	1.01+01	1.13+01	1.22+01		
SIGPAR	6.39-25	1.05-24	1.55-24	1.84-24	1.63-24	1.80-24	1.59-24	1.34-24	1.25-24	1.32-24		
ST. DEV.	1.75-26	2.06-26	2.07-26	2.18-26	2.29-26	2.46-26	2.20-26	2.44-26	2.51-26	2.25-26		
S	6.40-03	1.05-02	1.56-02	1.85-02	1.83-02	1.81-02	1.59-02	1.34-02	1.25-02	1.32-02		
ST. DEV.	1.75-04	2.07-04	2.07-04	2.19-04	2.29-04	2.46-04	2.20-04	2.44-04	2.51-04	2.25-04		
S/ALPHA	1.41-02	9.75-03	7.50-03	5.46-03	3.75-03	2.77-03	1.96-03	1.33-03	1.10-03	1.08-03		
ST. DEV.	3.85-04	1.92-04	1.00-04	6.47-05	4.68-05	3.78-05	2.71-05	2.42-05	2.21-05	1.84-05		

				BETA = -4.00+00								
ALPHA	5.31-01	1.12+00	2.07+00	3.30+00	4.73+00	6.26+00	7.80+00	9.66+00	1.08+01	1.17+01		
SIGPAR	5.33-25	7.85-25	1.23-24	1.46-24	1.60-24	1.57-24	1.45-24	1.18-24	1.14-24	1.24-24		
ST. DEV.	1.69-26	2.00-26	1.94-26	2.07-26	2.14-26	2.29-26	2.16-26	2.33-26	2.38-26	2.19-26		
S	4.40-03	6.48-03	1.01-02	1.22-02	1.32-02	1.29-02	1.20-02	9.76-03	9.40-03	1.02-02		
ST. DEV.	1.39-04	1.65-04	1.60-04	1.71-04	1.76-04	1.89-04	1.78-04	1.93-04	1.97-04	1.81-04		
S/ALPHA	8.27-03	5.77-03	4.91-03	3.70-03	2.79-03	2.07-03	1.54-03	1.01-03	8.68-04	8.74-04		
ST. DEV.	2.62-04	1.47-04	7.75-05	5.18-05	3.72-05	3.01-05	2.28-05	1.99-05	1.82-05	1.55-05		

				BETA = -4.50+00								
ALPHA	6.28-01	1.18+00	2.07+00	3.23+00	4.58+00	6.01+00	7.46+00	9.20+00	1.03+01	1.11+01		
SIGPAR	4.34-25	6.51-25	9.00-25	1.22-24	1.43-24	1.37-24	1.32-24	1.12-24	1.12-24	1.17-24		
ST. DEV.	1.70-26	1.94-26	1.86-26	1.98-26	2.07-26	2.16-26	2.11-26	2.27-26	2.32-26	2.14-26		
S	2.97-03	4.45-03	6.15-03	8.35-03	9.77-03	9.37-03	9.03-03	7.64-03	7.66-03	8.02-03		
ST. DEV.	1.16-04	1.33-04	1.27-04	1.36-04	1.42-04	1.48-04	1.44-04	1.55-04	1.59-04	1.46-04		
S/ALPHA	4.73-03	3.76-03	2.97-03	2.59-03	2.14-03	1.56-03	1.21-03	8.30-04	7.43-04	7.23-04		
ST. DEV.	1.85-04	1.12-04	6.15-05	4.20-05	3.10-05	2.46-05	1.94-05	1.69-05	1.54-05	1.32-05		

				BETA = -5.00+00								
ALPHA	7.49-01	1.27+00	2.09+00	3.17+00	4.42+00	5.76+00	7.11+00	8.73+00	9.76+00	1.05+01		
SIGPAR	4.32-25	5.46-25	7.57-25	9.51-25	1.15-24	1.24-24	1.22-24	1.10-24	1.09-24	1.18-24		
ST. DEV.	1.74-26	2.02-26	1.85-26	1.91-26	2.01-26	2.09-26	2.12-26	2.22-26	2.29-26	2.11-26		
S	2.47-03	3.12-03	4.33-03	5.44-03	6.56-03	7.07-03	7.00-03	6.29-03	6.23-03	6.75-03		
ST. DEV.	9.94-05	1.16-04	1.06-04	1.09-04	1.15-04	1.19-04	1.22-04	1.27-04	1.31-04	1.21-04		
S/ALPHA	3.30-03	2.47-03	2.07-03	1.72-03	1.48-03	1.23-03	9.85-04	7.21-04	6.38-04	6.43-04		
ST. DEV.	1.33-04	9.13-05	5.07-05	3.44-05	2.59-05	2.07-05	1.71-05	1.45-05	1.34-05	1.15-05		

				BETA = -5.50+00							
ALPHA	9.00-01	1.38+00	2.13+00	3.13+00	4.28+00	5.51+00	6.75+00	8.24+00	9.19+00	9.86+00	
SIGPAR	4.03-25	5.25-25	6.87-25	8.28-25	9.71-25	1.15-24	1.05-24	9.97-25	9.80-25	1.14-24	
ST. DEV.	1.81-26	2.06-26	1.88-26	1.94-26	1.99-26	2.04-26	2.14-26	2.23-26	2.33-26	2.06-26	
S	1.95-03	2.54-03	3.33-03	4.01-03	4.70-03	5.58-03	5.08-03	4.83-03	4.74-03	5.53-03	
ST. DEV.	8.77-05	9.97-05	9.10-05	9.42-05	9.63-05	9.88-05	1.03-04	1.08-04	1.13-04	9.95-05	
S/ALPHA	2.17-03	1.85-03	1.56-03	1.28-03	1.10-03	1.01-03	7.52-04	5.86-04	5.16-04	5.61-04	
ST. DEV.	9.75-05	7.25-05	4.27-05	3.01-05	2.25-05	1.79-05	1.53-05	1.31-05	1.23-05	1.01-05	

				BETA = -6.00+00							
ALPHA	1.09+00	1.52+00	2.21+00	3.10+00	4.15+00	5.26+00	6.38+00	7.73+00	8.59+00	9.19+00	
SIGPAR	4.17-25	5.33-25	6.49-25	7.67-25	8.41-25	9.30-25	9.23-25	9.03-25	8.54-25	1.08-24	
ST. DEV.	1.96-26	2.18-26	1.99-26	1.98-26	2.05-26	2.13-26	2.19-26	2.33-26	2.36-26	2.10-26	
S	1.74-03	2.22-03	2.70-03	3.20-03	3.51-03	3.88-03	3.85-03	3.77-03	3.56-03	4.50-03	
ST. DEV.	8.17-05	9.09-05	8.28-05	8.27-05	8.53-05	8.89-05	9.13-05	9.73-05	9.85-05	8.74-05	
S/ALPHA	1.60-03	1.46-03	1.23-03	1.03-03	8.46-04	7.37-04	6.03-04	4.87-04	4.14-04	4.90-04	
ST. DEV.	7.50-05	5.98-05	3.75-05	2.66-05	2.06-05	1.69-05	1.43-05	1.26-05	1.15-05	9.51-06	

				BETA = -6.50+00							
ALPHA	1.33+00	1.71+00	2.32+00	3.11+00	4.03+00	5.01+00	6.00+00	7.19+00	7.95+00	8.48+00	
SIGPAR	3.63-25	3.74-25	4.86-25	5.57-25	6.69-25	7.67-25	8.15-25	7.86-25	7.46-25	1.07-24	
ST. DEV.	2.15-26	2.36-26	2.12-26	2.17-26	2.15-26	2.28-26	2.39-26	2.51-26	2.53-26	2.28-26	
S	1.34-03	1.38-03	1.79-03	2.05-03	2.46-03	2.82-03	3.00-03	2.89-03	2.74-03	3.95-03	
ST. DEV.	7.90-05	8.69-05	7.81-05	7.98-05	7.91-05	8.40-05	8.78-05	9.22-05	9.32-05	8.40-05	
S/ALPHA	1.00-03	8.05-04	7.73-04	6.59-04	6.11-04	5.63-04	5.00-04	4.02-04	3.45-04	4.66-04	
ST. DEV.	5.94-05	5.08-05	3.37-05	2.57-05	1.96-05	1.68-05	1.46-05	1.28-05	1.17-05	9.90-06	

				BETA = -7.00+00							
ALPHA	1.65+00	1.97+00	2.48+00	3.15+00	3.93+00	4.76+00	5.60+00	6.61+00	7.24+00	7.69+00	
SIGPAR	3.36-25	3.34-25	3.87-25	1.52-25	5.61-25	6.38-25	6.34-25	6.74-25	5.91-25	1.06-24	
ST. DEV.	2.46-26	2.76-26	2.43-26	2.56-26	2.43-26	2.59-26	2.75-26	2.82-26	2.93-26	2.63-26	
S	1.14-03	1.13-03	1.31-03	5.16-04	1.90-03	2.16-03	2.15-03	2.28-03	2.00-03	3.61-03	
ST. DEV.	8.34-05	9.37-05	8.25-05	8.67-05	8.25-05	8.78-05	9.32-05	9.56-05	9.93-05	8.91-05	
S/ALPHA	6.92-04	5.75-04	5.29-04	1.64-04	4.84-04	4.54-04	3.84-04	3.46-04	2.76-04	4.69-04	
ST. DEV.	5.06-05	4.76-05	3.33-05	2.75-05	2.10-05	1.84-05	1.66-05	1.45-05	1.37-05	1.16-05	

TABLE X. Ice, Al(220), He³ counters, 1.5 m flight path

	BETA = 4.50+00									
ALPHA	1.16+00	2.90+00	5.64+00	9.23+00	1.34+01	1.79+01	2.23+01	2.77+01	3.11+01	3.36+01
SIGPAR	2.49-25	4.10-25	3.89-25	2.95-25	1.49-25	1.94-25	2.15-25	9.67-27	1.29-25	1.41-25
ST. DEV.	5.87-26	5.94-26	5.73-26	5.76-26	5.07-26	4.95-26	6.29-26	7.08-26	7.55-26	7.13-26
S	6.50-03	1.07-02	1.01-02	7.70-03	3.89-03	5.06-03	5.62-03	2.52-04	3.37-03	3.68-03
ST. DEV.	1.53-03	1.55-03	1.49-03	1.50-03	1.32-03	1.29-03	1.64-03	1.85-03	1.97-03	1.86-03
S/ALPHA	5.52-03	3.69-03	1.80-03	8.34-04	2.90-04	2.84-04	2.52-04	9.08-06	1.08-04	1.10-04
ST. DEV.	1.30-03	5.35-04	2.65-04	1.63-04	9.87-05	7.23-05	7.35-05	6.66-05	6.33-05	5.54-05
	BETA = 4.00+00									
ALPHA	1.05+00	2.73+00	5.41+00	8.92+00	1.30+01	1.74+01	2.17+01	2.70+01	3.03+01	3.27+01
SIGPAR	4.10-25	6.19-25	7.92-25	5.15-25	4.11-25	2.90-25	2.20-25	2.45-25	2.07-25	9.00-26
ST. DEV.	5.38-26	6.03-26	5.72-26	5.46-26	5.14-26	4.91-26	6.38-26	7.32-26	7.18-26	7.21-26
S	8.53-03	1.29-02	1.65-02	1.07-02	8.55-03	6.03-03	4.58-03	5.08-03	4.31-03	1.87-03
ST. DEV.	1.12-03	1.25-03	1.19-03	1.14-03	1.07-03	1.02-03	1.33-03	1.52-03	1.49-03	1.50-03
S/ALPHA	8.11-03	4.71-03	3.04-03	1.20-03	6.58-04	3.48-04	2.11-04	1.88-04	1.42-04	5.72-05
ST. DEV.	1.06-03	4.59-04	2.20-04	1.28-04	8.21-05	5.88-05	6.10-05	5.63-05	4.92-05	4.58-05
	BETA = 3.50+00									
ALPHA	9.37-01	2.58+00	5.19+00	8.62+00	1.26+01	1.65+01	2.11+01	2.63+01	2.95+01	3.18+01
SIGPAR	6.49-25	8.69-25	1.02-24	6.69-25	6.78-25	3.57-25	3.80-25	3.51-25	2.14-25	1.52-25
ST. DEV.	6.59-26	7.03-26	6.90-26	6.64-26	5.85-26	5.60-26	7.59-26	8.27-26	7.90-26	7.81-26
S	1.08-02	1.44-02	1.69-02	1.11-02	1.12-02	5.93-03	6.30-03	5.82-03	3.55-03	2.52-03
ST. DEV.	1.09-03	1.17-03	1.14-03	1.10-03	9.70-04	9.29-04	1.26-03	1.37-03	1.31-03	1.30-03
S/ALPHA	1.15-02	5.60-03	3.25-03	1.29-03	8.93-04	3.52-04	2.98-04	2.22-04	1.20-04	7.90-05
ST. DEV.	1.17-03	4.53-04	2.20-04	1.28-04	7.70-05	5.52-05	5.96-05	5.22-05	4.43-05	4.07-05
	BETA = 3.00+00									
ALPHA	8.31-01	2.43+00	4.98+00	8.32+00	1.22+01	1.63+01	2.05+01	2.55+01	2.87+01	3.10+01
SIGPAR	8.84-25	1.29-24	1.31-24	1.05-24	7.84-25	4.89-25	3.60-25	1.43-25	2.40-25	3.62-25
ST. DEV.	7.04-26	8.07-26	7.57-26	7.52-26	6.94-26	6.97-26	9.24-26	9.56-26	8.88-26	8.82-26
S	1.17-02	1.70-02	1.73-02	1.39-02	1.04-02	6.47-03	4.77-03	1.89-03	3.18-03	4.80-03
ST. DEV.	9.32-04	1.07-03	1.00-03	9.97-04	9.20-04	9.23-04	1.22-03	1.27-03	1.18-03	1.17-03
S/ALPHA	1.41-02	7.01-03	3.47-03	1.67-03	8.52-04	3.96-04	2.32-04	7.42-05	1.11-04	1.55-04
ST. DEV.	1.12-03	4.40-04	2.01-04	1.20-04	7.54-05	5.65-05	5.97-05	4.96-05	4.10-05	3.77-05

				BETA = 2.50+00							
ALPHA	7.36-01	2.29+00	4.78+00	8.03+00	1.18+01	1.58+01	1.99+01	2.48+01	2.79+01	3.01+01	
SIGPAR	9.42-25	1.39-24	1.58-24	1.55-24	1.15-24	8.79-25	6.61-25	7.00-25	5.21-25	4.62-25	
ST. DEV.	7.93-26	8.82-26	8.85-26	9.15-26	8.64-26	8.71-26	1.09-25	1.14-25	1.09-25	1.07-25	
S	9.99-03	1.48-02	1.67-02	1.64-02	1.22-02	9.31-03	7.00-03	7.42-03	5.52-03	4.90-03	
ST. DEV.	8.40-04	9.34-04	9.38-04	9.70-04	9.16-04	9.23-04	1.15-03	1.21-03	1.16-03	1.13-03	
S/ALPHA	1.36-02	6.45-03	3.50-03	2.05-03	1.03-03	5.88-04	3.52-04	2.99-04	1.98-04	1.63-04	
ST. DEV.	1.14-03	4.08-04	1.96-04	1.21-04	7.76-05	5.83-05	5.80-05	4.87-05	4.15-05	3.77-05	

				BETA = 2.00+00							
ALPHA	6.52-01	2.16+00	4.58+00	7.74+00	1.14+01	1.53+01	1.93+01	2.40+01	2.70+01	2.92+01	
SIGPAR	1.02-24	1.64-24	2.25-24	2.30-24	1.88-24	1.53-24	1.40-24	9.64-25	1.02-24	6.18-25	
ST. DEV.	8.80-26	1.01-25	1.13-25	1.17-25	1.13-25	1.11-25	1.34-25	1.35-25	1.28-25	1.28-25	
S	8.62-03	1.39-02	1.91-02	1.95-02	1.60-02	1.30-02	1.19-02	8.18-03	8.66-03	5.25-03	
ST. DEV.	7.47-04	8.57-04	9.63-04	9.98-04	9.61-04	9.44-04	1.14-03	1.15-03	1.09-03	1.09-03	
S/ALPHA	1.32-02	6.42-03	4.17-03	2.52-03	1.40-03	8.47-04	6.16-04	3.41-04	3.21-04	1.80-04	
ST. DEV.	1.15-03	3.96-04	2.10-04	1.29-04	8.43-05	6.16-05	5.91-05	4.77-05	4.02-05	3.72-05	

				BETA = 1.50+00							
ALPHA	5.81-01	2.05+00	4.39+00	7.46+00	1.10+01	1.48+01	1.86+01	2.33+01	2.62+01	2.82+01	
SIGPAR	2.35-24	3.87-24	5.09-24	4.79-24	4.20-24	1.49-24	2.48-24	1.71-24	1.57-24	1.37-24	
ST. DEV.	1.08-25	1.41-25	1.59-25	1.60-25	1.49-25	1.52-25	1.54-25	1.51-25	1.48-25	1.41-25	
S	1.60-02	2.64-02	3.47-02	3.27-02	2.86-02	1.01-02	1.69-02	1.17-02	1.07-02	9.32-03	
ST. DEV.	7.36-04	9.62-04	1.08-03	1.09-03	1.02-03	1.04-03	1.05-03	1.03-03	1.00-03	9.59-04	
S/ALPHA	2.75-02	1.29-02	7.89-03	4.38-03	2.60-03	6.83-04	9.06-04	5.02-04	4.08-04	3.30-04	
ST. DEV.	1.27-03	4.69-04	2.46-04	1.46-04	9.21-05	7.00-05	5.64-05	4.42-05	3.84-05	3.39-05	

				BETA = 1.00+00							
ALPHA	5.23-01	1.94+00	4.22+00	7.19+00	1.06+01	1.43+01	1.80+01	2.25+01	2.53+01	2.73+01	
SIGPAR	8.06-24	1.33-23	1.48-23	1.19-23	8.56-24	4.46-24	3.96-24	2.65-24	2.26-24	2.00-24	
ST. DEV.	1.90-25	2.53-25	2.61-25	2.34-25	2.10-25	1.86-25	1.94-25	1.87-25	1.80-25	1.67-25	
S	4.42-02	7.29-02	8.11-02	6.54-02	4.69-02	2.44-02	2.17-02	1.45-02	1.24-02	1.10-02	
ST. DEV.	1.04-03	1.39-03	1.43-03	1.28-03	1.15-03	1.02-03	1.06-03	1.02-03	9.84-04	9.16-04	
S/ALPHA	8.45-02	3.75-02	1.93-02	9.10-03	4.41-03	1.70-03	1.20-03	6.46-04	4.89-04	4.01-04	
ST. DEV.	1.99-03	7.13-04	3.39-04	1.78-04	1.08-04	7.11-05	5.89-05	4.55-05	3.89-05	3.35-05	

BLTA = 5.00-01

ALPHA	4.80-01	1.65+00	4.05+00	6.92+00	1.03+01	1.38+01	1.74+01	2.17+01	2.44+01	2.64+01
SIGPAR	7.91-23	7.29-23	5.15-23	2.85-23	1.68-23	9.06-24	6.68-24	4.32-24	3.32-24	3.04-24
ST. DEV.	5.50-25	5.35-25	4.48-25	3.31-25	2.91-25	2.52-25	2.36-25	2.22-25	2.18-25	2.03-25
S	3.49-01	3.22-01	2.27-01	1.26-01	7.41-02	4.00-02	2.95-02	1.91-02	1.47-02	1.34-02
ST. DEV.	2.43-03	2.36-03	1.98-03	1.46-03	1.28-03	1.11-03	1.04-03	9.79-04	9.61-04	8.97-04
S/ALPHA	7.27-01	1.74-01	5.61-02	1.82-02	7.22-03	2.89-03	1.69-03	8.78-04	6.00-04	5.09-04
ST. DEV.	5.05-03	1.27-03	4.88-04	2.11-04	1.25-04	8.04-05	5.98-05	4.51-05	3.93-05	3.40-05

BETA = 8.07-08

ALPHA	4.54-01	1.78+00	3.89+00	6.66+00	9.88+00	1.33+01	1.62+01	2.09+01	2.36+01	2.54+01
SIGPAR	2.57-22	1.68-22	9.33-23	4.70-23	2.41-23	1.42-23	9.45-24	5.82-24	4.78-24	4.26-24
ST. DEV.	1.05-24	8.09-25	6.17-25	4.19-25	3.57-25	3.14-25	2.78-25	2.57-25	2.66-25	2.51-25
S	9.16-01	6.00-01	3.33-01	1.68-01	8.60-02	5.05-02	3.37-02	2.08-02	1.70-02	1.52-02
ST. DEV.	3.76-03	2.88-03	2.20-03	1.49-03	1.27-03	1.12-03	9.90-04	9.15-04	9.49-04	8.94-04
S/ALPHA	2.02+00	3.37-01	8.54-02	2.52-02	8.71-03	3.80-03	2.01-03	9.92-04	7.24-04	5.97-04
ST. DEV.	8.27-03	1.62-03	5.65-04	2.24-04	1.29-04	8.40-05	5.91-05	4.37-05	4.03-05	3.51-05

BETA = -5.06-01

ALPHA	4.47-01	1.72+00	3.75+00	6.42+00	9.51+00	1.28+01	1.61+01	2.01+01	2.27+01	2.45+01
SIGPAR	8.43-23	7.78-23	6.25-23	4.06-23	2.53-23	1.57-23	1.14-23	7.26-24	5.92-24	5.10-24
ST. DEV.	5.68-25	5.50-25	4.93-25	3.99-25	3.39-25	3.10-25	2.74-25	2.65-25	2.59-25	2.43-25
S	2.44-01	2.25-01	1.81-01	1.17-01	7.31-02	4.53-02	3.28-02	2.10-02	1.71-02	1.47-02
ST. DEV.	1.64-03	1.59-03	1.42-03	1.15-03	9.80-04	8.95-04	7.91-04	7.65-04	7.48-04	7.02-04
S/ALPHA	5.45-01	1.31-01	4.81-02	1.83-02	7.69-03	3.54-03	2.03-03	1.04-03	7.54-04	6.03-04
ST. DEV.	3.68-03	9.23-04	3.79-04	1.60-04	1.03-04	6.99-05	4.91-05	3.80-05	3.30-05	2.87-05

BETA = -1.00+00

ALPHA	4.60-01	1.68+00	3.63+00	6.18+00	9.14+00	1.23+01	1.55+01	1.93+01	2.17+01	2.35+01
SIGPAR	1.23-23	2.11-23	2.57-23	2.29-23	1.96-23	1.45-23	1.13-23	8.21-24	6.71-24	6.19-24
ST. DEV.	2.24-25	3.09-25	3.41-25	3.32-25	3.14-25	2.91-25	2.65-25	2.67-25	2.54-25	2.44-25
S	2.89-02	4.96-02	6.04-02	5.37-02	4.60-02	3.41-02	2.66-02	1.93-02	1.57-02	1.45-02
ST. DEV.	5.26-04	7.25-04	8.00-04	7.81-04	7.38-04	6.84-04	6.22-04	6.27-04	5.96-04	5.72-04
S/ALPHA	6.29-02	2.95-02	1.66-02	8.69-03	5.03-03	2.77-03	1.72-03	9.98-04	7.24-04	6.19-04
ST. DEV.	1.14-03	4.32-04	2.21-04	1.26-04	8.05-05	5.56-05	4.02-05	3.25-05	2.74-05	2.44-05

				BETA = -1.50+00								
ALPHA	4.97-01	1.66+00	3.52+00	5.95+00	8.76+00	1.18+01	1.48+01	1.85+01	2.08+01	2.24+01		
SIGPAR	6.77-24	1.02-23	1.31-23	1.43-23	1.39-23	1.11-23	1.00-23	7.51-24	6.53-24	6.12-24		
ST. DEV.	1.65-25	2.10-25	2.49-25	2.68-25	2.72-25	2.65-25	2.40-25	2.48-25	2.43-25	2.32-25		
S	1.30-02	1.96-02	2.52-02	2.73-02	2.66-02	2.13-02	1.92-02	1.44-02	1.25-02	1.17-02		
ST. DEV.	3.17-04	4.03-04	4.78-04	5.13-04	5.20-04	5.07-04	4.59-04	4.75-04	4.66-04	4.44-04		
S/ALPHA	2.61-02	1.18-02	7.15-03	4.59-03	3.03-03	1.81-03	1.30-03	7.78-04	6.01-04	5.23-04		
ST. DEV.	6.38-04	2.43-04	1.36-04	8.62-05	5.93-05	4.30-05	3.10-05	2.57-05	2.24-05	1.98-05		

				BETA = -2.00+00								
ALPHA	5.61-01	1.67+00	3.43+00	5.74+00	8.43+00	1.13+01	1.42+01	1.76+01	1.98+01	2.14+01		
SIGPAR	3.92-24	5.83-24	8.33-24	1.00-23	1.09-23	9.24-24	8.62-24	7.00-24	6.37-24	6.57-24		
ST. DEV.	1.35-25	1.58-25	1.80-25	2.12-25	2.29-25	2.32-25	2.07-25	2.25-25	2.22-25	2.18-25		
S	6.16-03	9.16-03	1.31-02	1.58-02	1.71-02	1.45-02	1.35-02	1.10-02	1.00-02	1.03-02		
ST. DEV.	2.13-04	2.48-04	2.82-04	3.33-04	3.59-04	3.64-04	3.26-04	3.54-04	3.48-04	3.43-04		
S/ALPHA	1.10-02	5.49-03	3.81-03	2.74-03	2.03-03	1.29-03	9.56-04	6.23-04	5.04-04	4.82-04		
ST. DEV.	3.79-04	1.49-04	8.23-05	5.80-05	4.26-05	3.23-05	2.30-05	2.00-05	1.75-05	1.60-05		

				BETA = -2.50+00								
ALPHA	6.57-01	1.70+00	3.37+00	5.55+00	8.08+00	1.08+01	1.35+01	1.68+01	1.89+01	2.03+01		
SIGPAR	5.25-24	8.02-24	1.07-23	1.12-23	1.08-23	9.61-24	8.46-24	7.19-24	6.57-24	6.67-24		
ST. DEV.	1.50-25	1.71-25	1.84-25	1.93-25	2.09-25	2.16-25	1.86-25	2.05-25	2.07-25	2.04-25		
S	6.81-03	1.04-02	1.39-02	1.45-02	1.40-02	1.25-02	1.10-02	9.32-03	8.51-03	8.64-03		
ST. DEV.	1.94-04	2.22-04	2.38-04	2.51-04	2.70-04	2.80-04	2.41-04	2.65-04	2.68-04	2.65-04		
S/ALPHA	1.04-02	6.11-03	4.14-03	2.61-03	1.73-03	1.15-03	8.12-04	5.55-04	4.51-04	4.25-04		
ST. DEV.	2.96-04	1.30-04	7.07-05	4.52-05	3.35-05	2.59-05	1.78-05	1.58-05	1.42-05	1.30-05		

				BETA = -3.00+00								
ALPHA	7.91-01	1.77+00	3.33+00	5.38+00	7.75+00	1.03+01	1.28+01	1.59+01	1.79+01	1.92+01		
SIGPAR	1.15-23	1.62-23	1.81-23	1.72-23	1.47-23	1.17-23	1.04-23	8.19-24	7.39-24	6.55-24		
ST. DEV.	1.95-25	2.30-25	2.25-25	2.22-25	2.14-25	2.11-25	1.87-25	1.98-25	2.00-25	1.95-25		
S	1.24-02	1.74-02	1.95-02	1.85-02	1.59-02	1.26-02	1.12-02	8.82-03	7.97-03	7.06-03		
ST. DEV.	2.10-04	2.48-04	2.42-04	2.39-04	2.30-04	2.27-04	2.02-04	2.13-04	2.16-04	2.10-04		
S/ALPHA	1.57-02	9.85-03	5.84-03	3.45-03	2.05-03	1.22-03	8.75-04	5.55-04	4.46-04	3.67-04		
ST. DEV.	2.66-04	1.40-04	7.27-05	4.45-05	2.97-05	2.21-05	1.57-05	1.34-05	1.21-05	1.09-05		

TABLE XI. Ice, Al(220), He³ counters, 1.5 m flight path

BETA = 2.50+00										
ALPHA	1.10+00	3.96+00	8.58+00	1.46+01	2.16+01	2.91+01	3.66+01	4.56+01	5.13+01	5.54+01
SIGPAR	2.53-24	3.11-24	2.37-24	1.29-24	6.25-25	2.31-25	3.01-25	5.21-26	1.38-25	2.50-25
ST. DEV.	1.01-25	1.10-25	1.08-25	1.84-25	9.66-26	9.04-26	1.00-25	1.03-25	1.02-25	1.03-25
S	2.88-02	3.55-02	2.70-02	1.47-02	7.14-03	2.64-03	3.44-03	5.95-04	1.57-03	2.85-03
ST. DEV.	1.15-03	1.26-03	1.24-03	1.19-03	1.10-03	1.03-03	1.15-03	1.18-03	1.16-03	1.18-03
S/ALPHA	2.63-02	8.92-03	3.15-03	1.01-03	3.31-04	9.09-05	9.41-05	1.30-05	3.06-05	5.14-05
ST. DEV.	1.05-03	3.17-04	1.44-04	8.15-05	5.11-05	3.55-05	3.14-05	2.58-05	2.26-05	2.13-05
BETA = 2.00+00										
ALPHA	1.04+00	3.68+00	8.40+00	1.43+01	2.12+01	2.86+01	3.59+01	4.48+01	5.05+01	5.45+01
SIGPAR	7.16-24	6.52-24	4.43-24	2.34-24	1.14-24	5.62-25	5.40-25	1.51-25	2.97-25	1.62-25
ST. DEV.	1.23-25	1.27-25	1.16-25	1.03-25	8.95-26	8.37-26	8.91-26	8.91-26	8.81-26	8.83-26
S	6.47-02	5.69-02	4.00-02	2.12-02	1.03-02	5.08-03	4.86-03	1.36-03	2.68-03	1.46-03
ST. DEV.	1.11-03	1.15-03	1.05-03	9.33-04	8.09-04	7.56-04	8.05-04	8.05-04	7.96-04	7.98-04
S/ALPHA	6.20-02	1.52-02	4.76-03	1.48-03	4.84-04	1.78-04	1.36-04	3.03-05	5.31-05	2.69-05
ST. DEV.	1.06-03	2.96-04	1.25-04	6.51-05	3.81-05	2.65-05	2.24-05	1.79-05	1.58-05	1.47-05
BETA = 1.50+00										
ALPHA	9.96-01	3.78+00	8.23+00	1.41+01	2.06+01	2.80+01	3.53+01	4.41+01	4.96+01	5.35+01
SIGPAR	1.91-23	1.36-23	8.05-24	3.94-24	1.74-24	9.56-25	6.94-25	3.79-25	4.29-25	1.96-25
ST. DEV.	1.66-25	1.56-25	1.35-25	1.15-25	9.72-26	9.03-26	9.29-26	9.32-26	9.15-26	9.06-26
S	1.37-01	9.76-02	5.76-02	2.82-02	1.25-02	6.84-03	4.97-03	2.71-03	3.07-03	1.41-03
ST. DEV.	1.19-03	1.11-03	9.68-04	8.23-04	6.96-04	6.46-04	6.65-04	6.67-04	6.54-04	6.48-04
S/ALPHA	1.37-01	2.58-02	6.99-03	2.00-03	5.99-04	2.44-04	1.41-04	6.16-05	6.19-05	2.63-05
ST. DEV.	1.19-03	2.95-04	1.18-04	5.85-05	3.34-05	2.30-05	1.88-05	1.51-05	1.32-05	1.21-05
BETA = 1.00+00										
ALPHA	9.58-01	3.70+00	8.07+00	1.38+01	2.04+01	2.75+01	3.47+01	4.33+01	4.87+01	5.26+01
SIGPAR	4.38-23	2.65-23	1.38-23	6.17-24	2.62-24	1.46-24	8.35-25	7.27-25	4.86-25	3.47-25
ST. DEV.	2.86-25	2.47-25	2.04-25	1.85-25	1.36-25	1.25-25	1.23-25	1.25-25	1.20-25	1.18-25
S	2.48-01	1.50-01	7.80-02	3.50-02	1.49-02	8.29-03	4.73-03	4.12-03	2.75-03	1.97-03
ST. DEV.	1.62-03	1.40-03	1.16-03	9.37-04	7.73-04	7.08-04	6.95-04	7.07-04	6.82-04	6.69-04
S/ALPHA	2.59-01	4.06-02	9.66-03	2.54-03	7.27-04	3.01-04	1.37-04	9.52-05	5.65-05	3.74-05
ST. DEV.	1.69-03	3.79-04	1.43-04	6.79-05	3.78-05	2.57-05	2.01-05	1.63-05	1.40-05	1.27-05

BETA = 5.00-01

ALPHA	9.27-01	3.02+00	7.91+00	1.35+01	2.01+01	2.70+01	3.40+01	4.25+01	4.78+01	5.16+01
SIGPAR	8.88-23	4.55-23	2.13-23	8.72-24	4.10-24	1.99-24	1.18-24	9.14-25	3.35-25	5.07-25
ST. DEV.	5.02-25	3.96-25	3.11-25	2.36-25	1.92-25	1.71-25	1.62-25	1.63-25	1.59-25	1.55-25
S	3.99-01	2.09-01	9.57-02	3.92-02	1.84-02	8.93-03	5.30-03	4.11-03	1.51-03	2.28-03
ST. DEV.	2.26-03	1.78-03	1.40-03	1.06-03	8.61-04	7.70-04	7.30-04	7.31-04	7.15-04	6.96-04
S/ALPHA	4.30-01	5.79-02	1.21-02	2.69-03	9.19-04	3.30-04	1.56-04	9.66-05	3.15-05	4.41-05
ST. DEV.	2.43-03	4.92-04	1.77-04	7.83-05	4.29-05	2.85-05	2.14-05	1.72-05	1.50-05	1.35-05

BETA = 9.68-07

ALPHA	9.05-01	3.55+00	7.76+00	1.33+01	1.97+01	2.65+01	3.34+01	4.17+01	4.70+01	5.07+01
SIGPAR	1.18-22	5.98-23	2.77-23	1.15-23	4.95-24	2.78-24	1.96-24	8.66-25	7.20-25	5.52-25
ST. DEV.	5.91-25	4.89-25	3.61-25	2.79-25	2.22-25	2.02-25	1.94-25	1.90-25	1.87-25	1.79-25
S	4.22-01	2.13-01	9.89-02	4.11-02	1.77-02	9.90-03	6.98-03	3.09-03	2.57-03	1.97-03
ST. DEV.	2.11-03	1.67-03	1.29-03	9.94-04	7.91-04	7.19-04	6.91-04	6.76-04	6.65-04	6.37-04
S/ALPHA	4.67-01	6.01-02	1.27-02	3.10-03	8.97-04	3.73-04	2.09-04	7.40-05	5.47-05	3.88-05
ST. DEV.	2.33-03	4.71-04	1.66-04	7.49-05	4.02-05	2.71-05	2.07-05	1.62-05	1.42-05	1.26-05

BETA = -5.00-01

ALPHA	8.93-01	3.48+00	7.62+00	1.30+01	1.93+01	2.60+01	3.28+01	4.09+01	4.61+01	4.97+01
SIGPAR	9.04-23	5.16-23	2.66-23	1.26-23	5.75-24	3.62-24	2.32-24	1.49-24	1.14-24	8.12-25
ST. DEV.	4.78-25	4.23-25	3.39-25	2.78-25	2.30-25	2.07-25	1.97-25	2.00-25	1.95-25	1.84-25
S	2.56-01	1.46-01	7.53-02	3.97-02	1.63-02	1.02-02	6.57-03	4.22-03	3.23-03	2.30-03
ST. DEV.	1.35-03	1.20-03	9.58-04	7.86-04	6.52-04	5.86-04	5.57-04	5.66-04	5.53-04	5.21-04
S/ALPHA	2.86-01	4.19-02	9.89-03	2.74-03	8.43-04	3.93-04	2.01-04	1.03-04	7.01-05	4.62-05
ST. DEV.	1.52-03	3.44-04	1.26-04	6.04-05	3.37-05	2.25-05	1.70-05	1.38-05	1.20-05	1.05-05

BETA = -1.00+00

ALPHA	8.90-01	3.43+00	7.48+00	1.28+01	1.89+01	2.55+01	3.21+01	4.01+01	4.52+01	4.87+01
SIGPAR	4.43-23	3.31-23	2.13-23	1.19-23	6.56-24	3.89-24	2.36-24	1.51-24	1.17-24	9.40-25
ST. DEV.	3.23-25	3.37-25	3.02-25	2.66-25	2.33-25	2.12-25	2.01-25	2.07-25	2.00-25	1.97-25
S	9.96-02	7.45-02	4.80-02	2.68-02	1.46-02	8.75-03	5.31-03	3.39-03	2.63-03	2.11-03
ST. DEV.	7.27-04	7.58-04	6.88-04	5.98-04	5.23-04	4.76-04	4.53-04	4.65-04	4.51-04	4.42-04
S/ALPHA	1.12-01	2.17-02	6.41-03	2.10-03	7.72-04	3.43-04	1.65-04	8.46-05	5.82-05	4.34-05
ST. DEV.	8.16-04	2.21-04	9.08-05	4.68-05	2.78-05	1.86-05	1.41-05	1.16-05	9.98-06	9.08-06

BETA = -1.50+00										
ALPHA	8.98-01	3.36+00	7.35+00	1.25+01	1.86+01	2.50+01	3.15+01	3.93+01	4.42+01	4.77+01
SIGPAR	1.59-23	1.70-23	1.52-23	1.00-23	6.41-24	4.48-24	2.58-24	1.97-24	1.52-24	1.69-24
ST. DEV.	2.07-25	2.52-25	2.49-25	2.41-25	2.16-25	2.05-25	1.95-25	2.02-25	1.97-25	1.93-25
S	2.84-02	3.24-02	2.71-02	1.93-02	1.15-02	8.02-03	4.62-03	3.52-03	2.71-03	3.03-03
ST. DEV.	3.70-04	9.21-04	4.46-04	4.31-04	3.87-04	3.66-04	3.49-04	3.61-04	3.53-04	3.46-04
S/ALPHA	3.16-02	4.59-02	3.69-02	1.58-02	6.17-04	3.21-04	1.47-04	8.96-05	6.13-05	6.35-05
ST. DEV.	4.13-04	1.33-04	6.07-05	3.49-05	2.08-05	1.46-05	1.11-05	9.18-06	7.98-06	7.24-06

BETA = -2.00+00										
ALPHA	9.17-01	3.35+00	7.23+00	1.23+01	1.82+01	2.45+01	3.08+01	3.85+01	4.33+01	4.67+01
SIGPAR	7.92-24	1.21-23	1.30-23	9.82-24	6.06-24	4.66-24	2.79-24	1.78-24	1.81-24	1.80-24
ST. DEV.	1.44-25	1.03-25	1.97-25	2.03-25	1.86-25	1.79-25	1.63-25	1.76-25	1.72-25	1.74-25
S	1.13-02	1.70-02	1.86-02	1.40-02	8.63-03	6.63-03	3.97-03	2.53-03	2.57-03	2.57-03
ST. DEV.	2.04-04	2.61-04	2.81-04	2.89-04	2.61-04	2.55-04	2.39-04	2.51-04	2.45-04	2.47-04
S/ALPHA	1.23-02	5.16-03	2.57-03	1.14-03	4.74-04	2.70-04	1.29-04	6.57-05	5.94-05	5.49-05
ST. DEV.	2.23-04	7.78-05	3.88-05	2.35-05	1.45-05	1.04-05	7.76-06	6.52-06	5.65-06	5.29-06

BETA = -2.50+00											
ALPHA	9.48-01	3.32+00	7.12+00	1.21+01	1.71+01	2.40+01	3.02+01	3.77+01	4.24+01	4.57+01	
SIGPAR	7.97-24	1.32-23	1.36-23	9.61-24	6.35-24	4.14-24	3.09-24	2.07-24	2.08-24	2.00-24	
ST. DEV.	1.32-25	1.62-25	1.69-25	1.71-25	1.59-25	1.54-25	1.43-25	1.56-25	1.55-25	1.57-25	
S	9.04-03	1.49-02	1.55-02	1.69-02	7.26-03	4.70-03	3.50-03	2.35-03	2.36-03	2.27-03	
ST. DEV.	1.49-04	1.64-04	1.92-04	1.94-04	1.80-04	1.75-04	1.62-04	1.77-04	1.75-04	1.79-04	
S/ALPHA	9.54-03	4.69-03	2.17-03	9.62-04	4.03-04	1.96-04	1.16-04	6.23-05	5.57-05	4.97-05	
ST. DEV.	1.58-04	5.53-05	2.69-05	1.60-05	1.01-05	7.23-06	5.38-06	4.69-06	4.14-06	3.90-06	

	BETA = -3.06+00										
ALPHA	9.91-01	3.81+00	7.01+00	1.19+01	1.75+01	2.35+01	2.95+01	3.68+01	4.14+01	4.47+01	
SIGMA	1.08-23	1.87-23	1.60-23	1.05-23	6.47-24	4.50-24	2.96-24	1.88-24	1.86-24	1.78-24	
ST. DEV.	1.58-25	1.90-25	1.84-25	1.76-25	1.64-25	1.61-25	1.42-25	1.58-25	1.60-25	1.65-25	
S	9.73-03	1.51-02	1.45-02	9.49-03	5.88-03	4.07-03	2.68-03	1.70-03	1.68-03	1.61-03	
ST. DEV.	1.43-04	1.71-04	1.66-04	1.59-04	1.48-04	1.46-04	1.29-04	1.43-04	1.45-04	1.49-04	
S/ALPHA	9.82-03	4.57-03	2.06-03	8.00-04	3.34-04	1.73-04	9.07-05	4.62-05	4.06-05	3.60-05	
ST. DEV.	1.44-04	5.18-05	2.37-05	1.38-05	8.43-06	6.20-06	4.36-06	3.89-06	3.49-06	3.33-06	

BETA = -3.50+00

ALPHA	1.05+00	3.51+00	6.92+00	1.16+01	1.71+01	2.30+01	2.89+01	3.60+01	4.05+01	4.37+01
SIGPAR	1.22-23	1.86-23	1.74-23	1.14-23	6.74-24	4.59-24	2.91-24	2.13-24	1.79-24	2.33-24
ST. DEV.	1.62-25	1.95-25	1.82-25	1.71-25	1.59-25	1.56-25	1.33-25	1.51-25	1.53-25	1.62-25
S	8.83-03	1.34-02	1.25-02	6.23-03	4.87-03	3.32-03	2.10-03	1.54-03	1.29-03	1.68-03
ST. DEV.	1.17-04	1.41-04	1.32-04	1.23-04	1.15-04	1.12-04	9.64-05	1.09-04	1.11-04	1.17-04
S/ALPHA	8.42-03	4.00-03	1.81-03	7.07-04	2.84-04	1.44-04	7.28-05	4.28-05	3.19-05	3.85-05
ST. DEV.	1.11-04	4.25-05	1.90-05	1.06-05	6.72-06	4.89-06	3.34-06	3.02-06	2.74-06	2.67-06

BETA = -4.00+00

ALPHA	1.12+00	3.32+00	6.84+00	1.14+01	1.68+01	2.25+01	2.82+01	3.51+01	3.95+01	4.26+01
SIGPAR	1.07-23	1.69-23	1.67-23	1.17-23	6.92-24	4.26-24	3.36-24	2.21-24	1.61-24	1.89-24
ST. DEV.	1.50-25	1.81-25	1.71-25	1.61-25	1.47-25	1.47-25	1.24-25	1.39-25	1.41-25	1.50-25
S	6.18-03	9.75-03	9.65-03	6.73-03	3.99-03	2.46-03	1.94-03	1.28-03	9.28-04	1.09-03
ST. DEV.	8.65-05	1.04-04	9.29-05	9.29-05	8.52-05	8.51-05	7.17-05	8.02-05	8.15-05	8.65-05
S/ALPHA	5.51-03	2.93-03	1.41-03	5.89-04	2.38-04	1.09-04	6.87-05	3.63-05	2.35-05	2.56-05
ST. DEV.	7.72-05	3.14-05	1.45-05	8.12-06	5.07-06	3.78-06	2.54-06	2.28-06	2.06-06	2.03-06

BETA = -4.50+00

ALPHA	1.21+00	3.35+00	6.77+00	1.12+01	1.64+01	2.20+01	2.76+01	3.43+01	3.86+01	4.16+01
SIGPAR	9.02-24	1.41-23	1.47-23	1.15-23	7.37-24	4.45-24	3.49-24	2.26-24	1.94-24	1.92-24
ST. DEV.	1.45-25	1.73-25	1.67-25	1.60-25	1.47-25	1.43-25	1.19-25	1.35-25	1.35-25	1.44-25
S	4.17-03	6.34-03	6.79-03	5.31-03	3.41-03	2.06-03	1.61-03	1.04-03	8.97-04	8.86-04
ST. DEV.	6.70-05	8.01-05	7.71-05	7.38-05	6.81-05	6.61-05	5.51-05	6.25-05	6.26-05	6.68-05
S/ALPHA	3.45-03	1.95-03	1.00-03	4.72-04	2.07-04	9.35-05	5.85-05	3.04-05	2.33-05	2.13-05
ST. DEV.	5.55-05	2.39-05	1.14-05	6.56-06	4.15-06	3.01-06	2.00-06	1.82-06	1.62-06	1.61-06

BETA = -5.00+00

ALPHA	1.31+00	3.39+00	6.71+00	1.11+01	1.61+01	2.15+01	2.69+01	3.34+01	3.76+01	4.05+01
SIGPAR	6.91-24	1.05-23	1.24-23	1.03-23	7.06-24	4.63-24	3.67-24	2.09-24	1.82-24	2.00-24
ST. DEV.	1.27-25	1.46-25	1.50-25	1.43-25	1.32-25	1.33-25	1.12-25	1.23-25	1.26-25	1.36-25
S	2.57-03	3.90-03	4.62-03	3.84-03	2.62-03	1.72-03	1.36-03	7.77-04	6.77-04	7.43-04
ST. DEV.	4.72-05	5.40-05	5.56-05	5.29-05	4.91-05	4.95-05	4.16-05	4.55-05	4.68-05	5.04-05
S/ALPHA	1.15-03	1.15-03	6.82-04	3.47-04	1.63-04	7.99-05	5.06-05	2.32-05	1.80-05	1.83-05
ST. DEV.	3.59-05	1.59-05	8.29-06	4.79-06	3.05-06	2.30-06	1.55-06	1.36-06	1.25-06	1.24-06

BETA = -5.50+00

ALPHA	1.44+00	3.45+00	6.67+00	1.09+01	1.58+01	2.10+01	2.62+01	3.26+01	3.66+01	3.94+01
SIGPAR	4.40-24	7.54-24	9.77-24	9.33-24	7.14-24	5.01-24	3.39-24	2.52-24	1.71-24	1.79-24
ST. DEV.	1.14-25	1.33-25	1.38-25	1.38-25	1.29-25	1.26-25	1.08-25	1.21-25	1.21-25	1.32-25
S	1.31-03	2.25-03	2.91-03	2.75-03	2.13-03	1.49-03	1.01-03	7.50-04	5.08-04	5.33-04
ST. DEV.	3.39-05	3.96-05	4.11-05	4.13-05	3.84-05	3.75-05	3.22-05	3.61-05	3.61-05	3.93-05
S/ALPHA	9.12-04	6.61-04	4.37-04	2.56-04	1.35-04	7.12-05	3.86-05	2.31-05	1.39-05	1.35-05
ST. DEV.	2.36-05	1.15-05	6.17-06	3.80-06	2.43-06	1.79-06	1.23-06	1.11-06	9.88-07	9.97-07

BETA = -6.00+00

ALPHA	1.58+00	3.55+00	6.64+00	1.07+01	1.54+01	2.05+01	2.55+01	3.17+01	3.55+01	3.83+01
SIGPAR	3.64-24	6.66-24	8.37-24	8.20-24	6.87-24	5.00-24	3.45-24	2.60-24	2.01-24	1.81-24
ST. DEV.	1.16-25	1.23-25	1.35-25	1.37-25	1.29-25	1.26-25	1.09-25	1.22-25	1.22-25	1.39-25
S	8.73-04	1.45-03	2.01-03	1.97-03	1.65-03	1.20-03	8.26-04	6.24-04	4.82-04	4.36-04
ST. DEV.	2.78-05	3.08-05	3.24-05	3.28-05	3.09-05	3.03-05	2.62-05	2.94-05	2.94-05	3.32-05
S/ALPHA	5.52-04	4.12-04	3.03-04	1.84-04	1.07-04	5.87-05	3.24-05	1.97-05	1.36-05	1.14-05
ST. DEV.	1.75-05	8.74-06	4.85-06	3.67-06	2.00-06	1.48-06	1.03-06	9.29-07	8.27-07	8.69-07

BETA = -6.50+00

ALPHA	1.75+00	3.63+00	6.63+00	1.06+01	1.51+01	2.00+01	2.49+01	3.08+01	3.45+01	3.71+01
SIGPAR	3.17-24	5.61-24	7.96-24	8.22-24	7.21-24	4.96-24	3.90-24	2.63-24	2.15-24	1.97-24
ST. DEV.	1.16-25	1.28-25	1.33-25	1.37-25	1.26-25	1.24-25	1.13-25	1.20-25	1.20-25	1.37-25
S	6.16-04	1.09-03	1.54-03	1.59-03	1.40-03	9.62-04	7.55-04	5.11-04	4.16-04	3.83-04
ST. DEV.	2.24-05	2.49-05	2.57-05	2.66-05	2.45-05	2.41-05	2.19-05	2.33-05	2.33-05	2.65-05
S/ALPHA	3.51-04	3.00-04	2.33-04	1.51-04	9.25-05	4.82-05	3.04-05	1.66-05	1.21-05	1.03-05
ST. DEV.	1.28-05	6.86-06	3.98-06	2.52-06	1.62-06	1.21-06	8.82-07	7.59-07	6.75-07	7.13-07

BETA = -7.00+00

ALPHA	1.95+00	3.75+00	6.63+00	1.04+01	1.48+01	1.95+01	2.42+01	2.98+01	3.34+01	3.60+01
SIGPAR	3.56-24	5.52-24	7.35-24	8.37-24	6.76-24	5.29-24	4.16-24	2.96-24	2.74-24	2.22-24
ST. DEV.	1.15-25	1.27-25	1.32-25	1.38-25	1.27-25	1.24-25	1.13-25	1.22-25	1.17-25	1.38-25
S	5.59-04	8.67-04	1.15-03	1.31-03	1.06-03	8.30-04	6.54-04	4.64-04	4.29-04	3.49-04
ST. DEV.	1.80-05	2.00-05	2.07-05	2.16-05	2.00-05	1.94-05	1.77-05	1.91-05	1.84-05	2.17-05
S/ALPHA	2.87-04	2.31-04	1.74-04	1.26-04	7.18-05	4.27-05	2.71-05	1.56-05	1.28-05	9.70-06
ST. DEV.	9.26-06	5.32-06	3.12-06	2.08-06	1.35-06	9.97-07	7.31-07	6.41-07	5.49-07	6.03-07

				BETA = -7.50+00									
ALPHA	2.17+00	3.90+00	6.66+00	1.03+01	1.45+01	1.90+01	2.35+01	2.89+01	3.23+01	3.48+01			
SIGPAR	3.87-24	5.54-24	7.51-24	8.09-24	7.26-24	5.39-24	4.15-24	3.38-24	2.58-24	2.36-24			
ST. DEV.	1.23-25	1.31-25	1.32-25	1.39-25	1.32-25	1.24-25	1.11-25	1.25-25	1.20-25	1.40-25			
S	4.93-04	7.06-04	9.58-04	1.03-03	9.28-04	6.87-04	5.29-04	4.31-04	3.29-04	3.01-04			
ST. DEV.	1.56-05	1.66-05	1.68-05	1.77-05	1.68-05	1.58-05	1.42-05	1.59-05	1.53-05	1.78-05			
S/ALPHA	2.27-04	1.61-04	1.44-04	1.00-04	6.41-05	3.63-05	2.26-05	1.49-05	1.02-05	8.65-06			
ST. DEV.	7.20-06	4.27-06	2.52-06	1.72-06	1.16-06	8.34-07	6.05-07	5.52-07	4.73-07	5.13-07			

				BETA = -8.00+00									
ALPHA	2.43+00	4.08+00	6.72+00	1.02+01	1.42+01	1.85+01	2.28+01	2.79+01	3.12+01	3.36+01			
SIGPAR	4.10-24	5.84-24	7.24-24	7.91-24	7.03-24	5.66-24	4.36-24	3.32-24	3.10-24	2.46-24			
ST. DEV.	1.29-25	1.35-25	1.35-25	1.42-25	1.33-25	1.30-25	1.21-25	1.28-25	1.24-25	1.42-25			
S	4.27-04	6.07-04	7.53-04	8.22-04	7.30-04	5.88-04	4.53-04	3.45-04	3.22-04	2.56-04			
ST. DEV.	1.34-05	1.40-05	1.40-05	1.47-05	1.38-05	1.35-05	1.25-05	1.33-05	1.29-05	1.47-05			
S/ALPHA	1.76-04	1.49-04	1.12-04	8.08-05	5.15-05	3.19-05	1.99-05	1.24-05	1.03-05	7.63-06			
ST. DEV.	5.52-06	3.43-06	2.09-06	1.45-06	9.75-07	7.32-07	5.50-07	4.75-07	4.13-07	4.39-07			

				BETA = -8.50+00									
ALPHA	2.72+00	4.29+00	6.80+00	1.01+01	1.39+01	1.80+01	2.20+01	2.70+01	3.01+01	3.23+01			
SIGPAR	4.61-24	5.80-24	7.24-24	8.13-24	7.02-24	5.64-24	4.75-24	3.78-24	3.25-24	2.30-24			
ST. DEV.	1.33-25	1.37-25	1.36-25	1.43-25	1.36-25	1.33-25	1.24-25	1.33-25	1.30-25	1.48-25			
S	3.93-04	4.94-04	6.17-04	6.92-04	5.98-04	4.80-04	4.04-04	3.22-04	2.76-04	1.96-04			
ST. DEV.	1.13-05	1.16-05	1.16-05	1.22-05	1.16-05	1.13-05	1.05-05	1.13-05	1.10-05	1.26-05			
S/ALPHA	1.44-04	1.15-04	9.08-05	6.87-05	4.31-05	2.68-05	1.84-05	1.19-05	9.18-06	6.06-06			
ST. DEV.	4.16-06	2.71-06	1.70-06	1.21-06	8.33-07	6.32-07	4.79-07	4.18-07	3.65-07	3.89-07			

				BETA = -9.00+00									
ALPHA	3.06+00	4.54+00	6.91+00	1.00+01	1.36+01	1.74+01	2.13+01	2.60+01	2.89+01	3.10+01			
SIGPAR	5.04-24	5.54-24	6.86-24	7.25-24	6.63-24	5.79-24	4.71-24	3.53-24	3.15-24	3.30-24			
ST. DEV.	1.38-25	1.37-25	1.35-25	1.41-25	1.38-25	1.37-25	1.26-25	1.36-25	1.33-25	1.57-25			
S	3.54-04	3.89-04	4.81-04	5.08-04	4.65-04	4.06-04	3.30-04	2.48-04	2.21-04	2.32-04			
ST. DEV.	9.64-06	9.61-06	9.43-06	9.67-06	9.66-06	9.62-06	8.84-06	9.51-06	9.31-06	1.10-05			
S/ALPHA	1.16-04	8.57-05	6.96-05	5.08-05	3.42-05	2.33-05	1.55-05	9.55-06	7.64-06	7.48-06			
ST. DEV.	3.15-06	2.12-06	1.36-06	9.86-07	7.10-07	5.52-07	4.15-07	3.66-07	3.22-07	3.55-07			

BETA = -9.50+00

ALPHA	3.45+00	4.84+00	7.06+00	9.97+00	1.33+01	1.69+01	2.06+01	2.49+01	2.77+01	2.97+01
SIGPAR	4.44-24	4.93-24	6.01-24	6.39-24	6.41-24	5.60-24	4.89-24	3.64-24	3.34-24	3.35-24
ST. DEV.	1.41-25	1.37-25	1.35-25	1.44-25	1.39-25	1.42-25	1.30-25	1.43-25	1.41-25	1.66-25
S	2.59-04	2.67-04	3.50-04	3.72-04	3.73-04	3.26-04	2.85-04	2.12-04	1.94-04	1.95-04
ST. DEV.	8.20-06	7.95-06	7.87-06	8.35-06	8.08-06	8.28-06	7.58-06	8.33-06	8.20-06	9.61-06
S/ALPHA	7.50-05	5.93-05	4.96-05	3.73-05	2.80-05	1.92-05	1.38-05	8.50-06	7.01-06	6.58-06
ST. DEV.	2.37-06	1.64-06	1.11-06	8.37-07	6.06-07	4.89-07	3.69-07	3.34-07	2.96-07	3.24-07

BETA = -1.00+01

ALPHA	3.91+00	5.20+00	7.26+00	9.96+00	1.31+01	1.64+01	1.98+01	2.39+01	2.64+01	2.82+01
SIGPAR	3.66-24	3.96-24	5.11-24	5.26-24	5.60-24	5.47-24	4.79-24	3.67-24	3.23-24	3.99-24
ST. DEV.	1.45-25	1.36-25	1.40-25	1.44-25	1.42-25	1.47-25	1.40-25	1.50-25	1.45-25	1.77-25
S	1.79-04	1.94-04	2.49-04	2.57-04	2.83-04	2.67-04	2.33-04	1.79-04	1.58-04	1.94-04
ST. DEV.	7.05-06	6.62-06	6.82-06	7.00-06	6.91-06	7.16-06	6.83-06	7.27-06	7.06-06	8.61-06
S/ALPHA	4.57-05	3.73-05	3.44-05	2.58-05	2.16-05	1.62-05	1.18-05	7.49-06	5.97-06	6.89-06
ST. DEV.	1.80-06	1.27-06	9.39-07	7.03-07	5.28-07	4.36-07	3.45-07	3.05-07	2.67-07	3.05-07

BETA = -1.05+01

ALPHA	4.44+00	5.63+00	7.52+00	9.99+00	1.29+01	1.59+01	1.90+01	2.27+01	2.51+01	2.68+01
SIGPAR	2.99-24	3.55-24	4.54-24	5.03-24	5.26-24	5.14-24	4.48-24	3.98-24	3.83-24	3.14-24
ST. DEV.	1.52-25	1.44-25	1.43-25	1.54-25	1.49-25	1.51-25	1.43-25	1.61-25	1.59-25	1.89-25
S	1.24-04	1.47-04	1.88-04	2.00-04	2.17-04	2.12-04	1.85-04	1.64-04	1.58-04	1.30-04
ST. DEV.	6.24-06	5.95-06	5.87-06	6.36-06	6.15-06	6.22-06	5.90-06	6.64-06	6.57-06	7.77-06
S/ALPHA	2.78-05	2.61-05	2.50-05	2.08-05	1.69-05	1.33-05	9.75-06	7.23-06	6.31-06	4.86-06
ST. DEV.	1.41-06	1.06-06	7.81-07	6.36-07	4.78-07	3.91-07	3.10-07	2.92-07	2.62-07	2.90-07

BETA = -1.10+01

ALPHA	5.08+00	6.15+00	7.85+00	1.01+01	1.27+01	1.54+01	1.82+01	2.16+01	2.37+01	2.52+01
SIGPAR	2.74-24	3.39-24	4.34-24	4.32-24	5.18-24	4.37-24	4.10-24	4.10-24	3.52-24	3.48-24
ST. DEV.	1.65-25	1.55-25	1.56-25	1.64-25	1.60-25	1.66-25	1.55-25	1.76-25	1.71-25	2.09-25
S	9.80-05	1.21-04	1.55-04	1.54-04	1.85-04	1.56-04	1.46-04	1.46-04	1.26-04	1.24-04
ST. DEV.	5.87-06	5.52-06	5.56-06	5.83-06	5.66-06	5.89-06	5.52-06	6.24-06	6.08-06	7.41-06
S/ALPHA	1.93-05	1.97-05	1.98-05	1.53-05	1.46-05	1.01-05	8.04-06	6.78-06	5.31-06	4.94-06
ST. DEV.	1.15-06	8.97-07	7.08-07	5.79-07	4.49-07	3.82-07	3.03-07	2.89-07	2.57-07	2.94-07

				BETA = -1.15+01							
ALPHA	5.87+00	6.60+00	8.29+00	1.02+01	1.25+01	1.49+01	1.73+01	2.03+01	2.21+01	2.35+01	
SIGPAR	3.09-24	3.31-24	3.78-24	4.28-24	3.88-24	3.67-24	4.42-24	3.87-24	3.87-24	3.99-24	
ST. DEV.	1.87-25	1.72-25	1.70-25	1.84-25	1.73-25	1.84-25	1.74-25	1.98-25	1.95-25	2.37-25	
S	9.79-05	1.05-04	1.20-04	1.36-04	1.23-04	1.16-04	1.40-04	1.22-04	1.23-04	1.27-04	
ST. DEV.	5.87-06	5.40-06	5.36-06	5.77-06	5.45-06	5.79-06	5.48-06	6.22-06	6.13-06	7.44-06	
S/ALPHA	1.67-05	1.55-05	1.45-05	1.32-05	9.85-06	7.79-06	8.06-06	6.03-06	5.53-06	5.40-06	
ST. DEV.	1.00-06	7.94-07	6.46-07	5.63-07	4.36-07	3.88-07	3.16-07	2.07-07	2.77-07	3.17-07	

				BETA = -1.20+01							
ALPHA	6.87+00	7.64+00	8.89+00	1.05+01	1.24+01	1.44+01	1.64+01	1.89+01	2.04+01	2.15+01	
SIGPAR	3.32-24	2.88-24	3.46-24	3.44-24	3.51-24	3.98-24	3.70-24	3.36-24	3.25-24	3.72-24	
ST. DEV.	2.19-25	2.02-25	2.00-25	2.12-25	2.10-25	2.19-25	2.02-25	2.35-25	2.33-25	2.85-25	
S	9.77-05	8.49-05	1.02-04	1.02-04	1.03-04	1.17-04	1.09-04	9.85-05	9.58-05	1.09-04	
ST. DEV.	6.36-06	5.88-06	5.80-06	6.15-06	6.09-06	6.36-06	5.89-06	6.82-06	6.78-06	8.29-06	
S/ALPHA	1.42-05	1.11-05	1.15-05	9.66-06	8.32-06	8.10-06	6.61-06	5.21-06	4.69-06	5.08-06	
ST. DEV.	9.26-07	7.69-07	6.53-07	5.35-07	4.91-07	4.41-07	3.58-07	3.61-07	3.32-07	3.85-07	

TABLE XII. Ice, Al(220), He³ counters, 1.5 m flight path

	BETA = 4.00+00									
ALPHA	2.11+00	7.87+00	1.71+01	2.91+01	4.31+01	5.80+01	7.29+01	9.10+01	1.02+02	1.11+02
SIGPAR	7.76-24	3.36-24	1.50-24	-1.65-25	1.03-25	-1.82-26	1.38-25	-1.87-25	-4.10-25	3.03-25
ST. DEV.	2.95-25	2.31-25	2.00-25	1.72-25	1.58-25	1.39-25	1.50-25	1.66-25	1.63-25	1.89-25
S	1.91-01	1.26-02	3.69-02	-4.06-03	2.52-03	-4.48-04	3.40-03	-4.59-03	-1.01-02	7.46-03
ST. DEV.	7.25-03	5.67-03	4.93-03	4.24-03	3.88-03	3.41-03	3.69-03	4.08-03	4.01-03	4.65-03
S/ALPHA	9.02-02	1.05-02	2.16-03	-1.40-04	5.86-05	-7.73-06	4.66-05	-5.04-05	-9.84-05	6.74-05
ST. DEV.	3.43-03	7.20-04	2.89-04	1.46-04	9.00-05	5.87-05	5.05-05	4.48-05	3.91-05	4.21-05
	BETA = 3.50+00									
ALPHA	2.07+00	7.77+00	1.69+01	2.88+01	4.27+01	5.75+01	7.23+01	9.03+01	1.02+02	1.10+02
SIGPAR	7.71-24	3.34-24	1.49-24	-1.64-25	1.02-25	-1.81-26	1.37-25	-1.86-25	-4.07-25	3.01-25
ST. DEV.	2.93-25	2.29-25	1.99-25	1.71-25	1.57-25	1.38-25	1.49-25	1.65-25	1.62-25	1.88-25
S	1.49-01	1.44-02	2.88-02	-3.17-03	1.97-03	-3.49-04	2.65-03	-3.58-03	-7.86-03	5.82-03
ST. DEV.	5.65-03	4.42-03	3.84-03	3.30-03	3.02-03	2.66-03	2.87-03	3.18-03	3.12-03	3.63-03
S/ALPHA	7.20-02	1.28-03	1.70-03	-1.10-04	4.61-05	-6.08-06	3.67-05	-3.97-05	-7.74-05	5.30-05
ST. DEV.	2.74-03	5.69-04	2.23-04	1.15-04	7.08-05	4.62-05	3.97-05	3.53-05	3.07-05	3.31-05
	BETA = 3.00+00									
ALPHA	2.02+00	7.68+00	1.67+01	2.86+01	4.23+01	5.70+01	7.17+01	8.95+01	1.01+02	1.09+02
SIGPAR	7.66-24	3.31-24	1.48-24	-1.63-25	1.01-25	-1.80-26	1.37-25	-1.84-25	-4.05-25	2.99-25
ST. DEV.	2.91-25	2.28-25	1.98-25	1.70-25	1.56-25	1.37-25	1.48-25	1.64-25	1.61-25	1.87-25
S	1.16-01	1.02-02	2.24-02	-2.47-03	1.53-03	-2.73-04	2.07-03	-2.79-03	-6.13-03	4.54-03
ST. DEV.	4.41-03	3.45-03	3.00-03	2.58-03	2.36-03	2.07-03	2.24-03	2.48-03	2.44-03	2.83-03
S/ALPHA	5.74-02	1.54-03	1.34-03	-8.66-05	3.63-05	-4.78-06	2.89-05	-3.12-05	-6.09-05	4.17-05
ST. DEV.	2.18-03	4.49-04	1.79-04	9.03-05	5.58-05	3.64-05	3.13-05	2.77-05	2.42-05	2.60-05
	BETA = 2.50+00									
ALPHA	1.98+00	7.59+00	1.66+01	2.83+01	4.19+01	5.65+01	7.11+01	8.87+01	9.99+01	1.08+02
SIGPAR	1.52-23	3.98-24	2.23-24	2.94-25	2.27-25	1.13-25	-1.53-25	-2.31-25	-2.97-25	1.72-25
ST. DEV.	2.74-25	2.01-25	1.65-25	1.40-25	1.24-25	1.10-25	1.14-25	1.25-25	1.21-25	1.41-25
S	1.80-01	7.12-02	2.65-02	3.50-03	2.71-03	1.35-03	-1.83-03	-2.74-03	-3.54-03	2.05-03
ST. DEV.	3.26-03	2.40-03	1.97-03	1.67-03	1.46-03	1.30-03	1.36-03	1.49-03	1.44-03	1.68-03
S/ALPHA	9.11-02	9.38-03	1.60-03	1.24-04	6.46-05	2.39-05	-2.57-05	-3.09-05	-3.54-05	1.90-05
ST. DEV.	1.65-03	3.16-04	1.19-04	5.89-05	3.52-05	2.31-05	1.91-05	1.68-05	1.44-05	1.56-05

BETA = 2.00+00

ALPHA	1.94+00	7.51+00	1.64+01	2.80+01	4.15+01	5.60+01	7.04+01	8.79+01	9.90+01	1.07+02
SIGPAR	2.59-23	9.82-24	3.30-24	9.49-25	4.08-25	3.09-25	-5.64-25	-2.94-25	-1.37-25	-3.92-27
ST. DEV.	5.20-25	3.66-25	2.86-25	2.39-25	2.03-25	1.81-25	1.79-25	1.94-25	1.84-25	2.15-25
S	2.42-01	9.18-02	3.09-02	8.88-03	3.81-03	2.89-03	-5.27-03	-2.75-03	-1.29-03	-3.66-05
ST. DEV.	4.86-03	3.42-03	2.67-03	2.23-03	1.90-03	1.69-03	1.68-03	1.81-03	1.72-03	2.01-03
S/ALPHA	1.25-01	1.22-02	1.88-03	3.17-04	9.18-05	5.17-05	-7.48-05	-3.13-05	-1.30-05	-3.43-07
ST. DEV.	2.50-03	4.56-04	1.63-04	7.96-05	4.58-05	3.02-05	2.38-05	2.06-05	1.74-05	1.88-05

BETA = 1.50+00

ALPHA	1.91+00	7.43+00	1.62+01	2.78+01	4.11+01	5.54+01	6.98+01	8.71+01	9.81+01	1.06+02
SIGPAR	2.58-23	9.75-24	3.28-24	9.43-25	4.05-25	3.07-25	-5.60-25	-2.92-25	-1.37-25	-3.89-27
ST. DEV.	5.16-25	3.64-25	2.84-25	2.37-25	2.02-25	1.80-25	1.78-25	1.93-25	1.83-25	2.13-25
S	1.89-01	7.16-02	2.41-02	6.92-03	2.97-03	2.26-03	-4.11-03	-2.15-03	-1.00-03	-2.86-05
ST. DEV.	3.79-03	2.57-03	2.08-03	1.74-03	1.48-03	1.32-03	1.31-03	1.41-03	1.35-03	1.57-03
S/ALPHA	9.89-02	9.64-03	1.48-03	2.49-04	7.23-05	4.07-05	-5.89-05	-2.46-05	-1.02-05	-2.70-07
ST. DEV.	1.98-03	3.59-04	1.28-04	6.27-05	3.60-05	2.38-05	1.88-05	1.62-05	1.37-05	1.48-05

BETA = 1.00+00

ALPHA	1.88+00	7.35+00	1.61+01	2.75+01	4.08+01	5.49+01	6.92+01	8.64+01	9.72+01	1.05+02
SIGPAR	2.61-23	9.96-24	3.36-24	9.72-25	4.14-25	3.14-25	-5.47-25	-2.77-25	-1.29-25	-1.01-26
ST. DEV.	4.97-25	3.50-25	2.73-25	2.28-25	1.94-25	1.73-25	1.72-25	1.85-25	1.76-25	2.05-25
S	1.51-01	5.75-02	1.94-02	5.61-03	2.39-03	1.81-03	-3.16-03	-1.60-03	-7.42-04	-5.82-05
ST. DEV.	2.87-03	2.02-03	1.58-03	1.32-03	1.12-03	9.98-04	9.90-04	1.07-03	1.02-03	1.19-03
S/ALPHA	7.99-02	7.82-03	1.21-03	2.04-04	5.87-05	3.30-05	-4.56-05	-1.85-05	-7.63-06	-5.55-07
ST. DEV.	1.52-03	2.75-04	9.80-05	4.78-05	2.75-05	1.82-05	1.43-05	1.24-05	1.05-05	1.13-05

BETA = 5.00-01

ALPHA	1.86+00	7.28+00	1.59+01	2.73+01	4.04+01	5.44+01	6.85+01	8.56+01	9.64+01	1.04+02
SIGPAR	4.13-23	1.83-23	6.46-24	2.07-24	7.99-25	5.73-25	-2.94-25	1.10-25	7.26-26	-2.19-25
ST. DEV.	6.39-25	4.66-25	3.56-25	2.98-25	2.57-25	2.19-25	2.19-25	2.24-25	2.20-25	2.46-25
S	1.87-01	6.30-02	2.93-02	9.38-03	3.63-03	2.60-03	-1.34-03	4.98-04	3.30-04	-9.94-04
ST. DEV.	2.90-03	2.12-03	1.61-03	1.35-03	1.16-03	9.95-04	9.95-04	1.02-03	9.97-04	1.12-03
S/ALPHA	1.01-01	1.14-02	1.84-03	3.44-04	8.97-05	4.78-05	-1.95-05	5.82-06	3.42-06	-9.56-06
ST. DEV.	1.56-03	2.92-04	1.01-04	4.97-05	2.88-05	1.83-05	1.45-05	1.19-05	1.03-05	1.07-05

BETA = 3.87-06

ALPHA	1.84+00	7.21+00	1.58+01	2.70+01	4.00+01	5.39+01	6.79+01	8.48+01	9.55+01	1.03+02
SIGPAR	4.10-23	1.82-23	6.41-24	2.05-24	7.93-25	5.69-25	-2.92-25	1.09-25	7.21-26	-2.18-25
ST. DEV.	6.34-25	4.64-25	3.53-25	2.96-25	2.55-25	2.18-25	2.18-25	2.22-25	2.18-25	2.45-25
S	1.46-01	2.47-02	2.29-02	7.32-03	2.83-03	2.03-03	-1.04-03	3.89-04	2.57-04	-7.76-04
ST. DEV.	2.26-03	1.66-03	1.26-03	1.06-03	9.09-04	7.76-04	7.76-04	7.93-04	7.78-04	8.72-04
S/ALPHA	7.94-02	2.98-03	1.45-03	2.71-04	7.07-05	3.76-05	-1.53-05	4.59-06	2.69-06	-7.53-06
ST. DEV.	1.23-03	2.36-04	7.98-05	3.91-05	2.27-05	1.44-05	1.14-05	9.35-06	8.15-06	8.46-06

BETA = -5.00-01

ALPHA	1.83+00	7.14+00	1.56+01	2.67+01	3.96+01	5.34+01	6.73+01	8.40+01	9.46+01	1.02+02
SIGPAR	4.07-23	1.80-23	6.37-24	2.04-24	7.87-25	5.65-25	-2.90-25	1.08-25	7.16-26	-2.16-25
ST. DEV.	6.29-25	4.61-25	3.51-25	2.94-25	2.53-25	2.16-25	2.16-25	2.21-25	2.16-25	2.43-25
S	1.14-01	5.05-02	1.78-02	5.71-03	2.21-03	1.58-03	-8.13-04	3.03-04	2.01-04	-6.05-04
ST. DEV.	1.76-03	1.29-03	9.83-04	8.24-04	7.09-04	6.05-04	6.06-04	6.19-04	6.07-04	6.80-04
S/ALPHA	6.25-02	7.07-03	1.14-03	2.13-04	5.57-05	2.96-05	-1.21-05	3.61-06	2.12-06	-5.93-06
ST. DEV.	9.66-04	1.81-04	6.28-05	3.08-05	1.79-05	1.13-05	9.01-06	7.37-06	6.42-06	6.66-06

BETA = -1.00+00

ALPHA	1.82+00	7.08+00	1.55+01	2.65+01	3.93+01	5.29+01	6.66+01	8.32+01	9.37+01	1.01+02
SIGPAR	3.56-23	1.00-23	8.30-24	2.95-24	1.58-24	8.63-25	3.26-25	5.73-25	1.47-25	4.67-26
ST. DEV.	5.36-25	4.39-25	3.54-25	3.02-25	2.65-25	2.37-25	2.38-25	2.42-25	2.37-25	2.58-25
S	7.84-02	4.40-02	1.63-02	6.51-03	3.49-03	1.90-03	7.19-04	1.26-03	3.24-04	1.03-04
ST. DEV.	1.18-03	9.67-04	7.80-04	6.65-04	5.85-04	5.23-04	5.24-04	5.33-04	5.22-04	5.69-04
S/ALPHA	4.32-02	5.21-03	1.18-03	2.45-04	8.88-05	3.59-05	1.08-05	1.52-05	3.46-06	1.02-06
ST. DEV.	6.51-04	1.36-04	5.04-05	2.51-05	1.49-05	9.88-06	7.87-06	6.41-06	5.57-06	5.63-06

BETA = -1.50+00

ALPHA	1.81+00	7.02+00	1.54+01	2.63+01	3.89+01	5.24+01	6.60+01	8.24+01	9.28+01	1.00+02
SIGPAR	3.50-23	1.99-23	8.36-24	2.99-24	1.62-24	8.76-25	3.63-25	5.98-25	1.51-25	6.28-26
ST. DEV.	5.65-25	4.62-25	3.73-25	3.18-25	2.80-25	2.50-25	2.51-25	2.55-25	2.50-25	2.72-25
S	6.06-02	3.45-02	1.45-02	5.18-03	2.81-03	1.52-03	6.29-04	1.04-03	2.61-04	1.09-04
ST. DEV.	9.78-04	1.01-04	6.47-04	5.51-04	4.84-04	4.33-04	4.35-04	4.42-04	4.33-04	4.71-04
S/ALPHA	3.35-02	4.92-03	9.43-04	1.97-04	7.22-05	2.90-05	9.54-06	1.26-05	2.82-06	1.09-06
ST. DEV.	5.41-04	1.14-04	4.21-05	2.10-05	1.25-05	8.27-06	6.59-06	5.36-06	4.66-06	4.71-06

BETA = -2.00+00

ALPHA	1.81+00	6.97+00	1.52+01	2.60+01	3.85+01	5.19+01	6.54+01	8.16+01	9.19+01	9.91+01
SIGPAR	3.34-23	1.96-23	8.39-24	3.03-24	1.69-24	8.92-25	4.00-25	5.75-25	1.90-25	6.46-26
ST. DEV.	5.05-25	4.14-25	3.34-25	2.85-25	2.51-25	2.24-25	2.25-25	2.29-25	2.24-25	2.44-25
S	4.56-02	2.67-02	1.14-02	4.13-03	2.30-03	1.22-03	5.46-04	7.84-04	2.59-04	8.80-05
ST. DEV.	6.89-04	6.64-04	4.56-04	3.89-04	3.42-04	3.06-04	3.06-04	3.12-04	3.05-04	3.32-04
S/ALPHA	2.52-02	3.83-03	7.52-04	1.59-04	5.96-05	2.34-05	8.35-06	9.61-06	2.82-06	8.88-07
ST. DEV.	3.81-04	6.10-05	3.00-05	1.49-05	8.87-06	5.89-06	4.69-06	3.82-06	3.32-06	3.35-06

BETA = -2.50+00

ALPHA	1.81+00	6.92+00	1.51+01	2.58+01	3.82+01	5.14+01	6.47+01	8.08+01	9.09+01	9.81+01
SIGPAR	2.19-23	1.76-23	9.17-24	3.60-24	2.35-24	1.07-24	7.57-25	4.03-25	5.41-25	7.13-26
ST. DEV.	4.44-25	4.20-25	3.59-25	3.16-25	2.84-25	2.66-25	2.56-25	2.70-25	2.70-25	3.00-25
S	2.35-02	1.89-02	9.83-03	3.86-03	2.52-03	1.15-03	8.12-04	4.32-04	5.80-04	7.64-05
ST. DEV.	4.77-04	4.51-04	3.85-04	3.39-04	3.05-04	2.85-04	2.75-04	2.89-04	2.90-04	3.22-04
S/ALPHA	1.29-02	2.73-03	6.52-04	1.50-04	6.60-05	2.23-05	1.25-05	5.35-06	6.38-06	7.79-07
ST. DEV.	2.63-04	6.51-05	2.55-05	1.32-05	7.98-06	5.54-06	4.25-06	3.58-06	3.19-06	3.28-06

BETA = -3.00+00

ALPHA	1.82+00	6.88+00	1.50+01	2.55+01	3.78+01	5.09+01	6.41+01	8.00+01	9.00+01	9.71+01
SIGPAR	2.17-23	1.75-23	9.09-24	3.57-24	2.33-24	1.06-24	7.51-25	4.00-25	5.37-25	7.07-26
ST. DEV.	4.41-25	4.17-25	3.56-25	3.13-25	2.82-25	2.63-25	2.54-25	2.68-25	2.68-25	2.98-25
S	1.83-02	1.48-02	7.67-03	3.01-03	1.97-03	8.97-04	6.33-04	3.37-04	4.53-04	5.96-05
ST. DEV.	3.72-04	3.52-04	3.00-04	2.65-04	2.38-04	2.22-04	2.15-04	2.26-04	2.26-04	2.51-04
S/ALPHA	1.01-02	2.14-03	5.13-04	1.18-04	5.20-05	1.76-05	9.89-06	4.22-06	5.03-06	6.14-07
ST. DEV.	2.04-04	5.11-05	2.01-05	1.04-05	6.29-06	4.37-06	3.35-06	2.82-06	2.51-06	2.59-06

BETA = -3.50+00

ALPHA	1.84+00	6.84+00	1.48+01	2.53+01	3.74+01	5.04+01	6.34+01	7.92+01	8.91+01	9.62+01
SIGPAR	1.78-23	1.67-23	9.23-24	3.74-24	2.29-24	7.59-25	8.36-25	4.73-25	4.57-25	2.39-25
ST. DEV.	2.88-25	2.85-25	2.47-25	2.19-25	1.97-25	1.85-25	1.76-25	1.92-25	1.92-25	2.18-25
S	1.18-02	1.11-02	6.13-03	2.49-03	1.52-03	5.04-04	5.55-04	3.14-04	3.03-04	1.58-04
ST. DEV.	1.91-04	1.89-04	1.64-04	1.46-04	1.31-04	1.23-04	1.17-04	1.28-04	1.27-04	1.45-04
S/ALPHA	6.42-03	1.62-03	4.13-04	9.83-05	4.06-05	1.00-05	8.76-06	3.97-06	3.40-06	1.65-06
ST. DEV.	1.04-04	2.76-05	1.10-05	5.76-06	3.49-06	2.44-06	1.84-06	1.61-06	1.43-06	1.51-06

BETA = -4.00+00

ALPHA	1.86+00	6.81+00	1.47+01	2.51+01	3.71+01	4.99+01	6.28+01	7.83+01	8.82+01	9.52+01
SIGPAR	1.38-23	1.39-23	9.38-24	3.92-24	2.25-24	4.48-25	9.16-25	5.47-25	3.81-25	4.07-25
ST. DEV.	3.70-25	3.87-25	3.41-25	3.07-25	2.74-25	2.60-25	2.42-25	2.75-25	2.74-25	3.20-25
S	7.20-03	5.32-03	4.90-03	2.05-03	1.18-03	2.34-04	4.79-04	2.86-04	1.99-04	2.13-04
ST. DEV.	1.93-04	2.02-04	1.78-04	1.60-04	1.43-04	1.36-04	1.27-04	1.44-04	1.43-04	1.67-04
S/ALPHA	3.87-03	1.22-03	3.33-04	8.17-05	3.13-05	4.70-06	7.63-06	3.65-06	2.26-06	2.24-06
ST. DEV.	1.04-04	2.97-05	1.21-05	6.40-06	3.86-06	2.73-06	2.02-06	1.84-06	1.63-06	1.76-06

BETA = -4.50+00

ALPHA	1.89+00	6.78+00	1.46+01	2.48+01	3.67+01	4.94+01	6.21+01	7.75+01	8.73+01	9.41+01
SIGPAR	1.33-23	1.56-23	9.26-24	3.92-24	2.21-24	4.48-25	8.94-25	5.66-25	3.60-25	4.34-25
ST. DEV.	3.37-25	3.53-25	3.11-25	2.80-25	2.50-25	2.37-25	2.21-25	2.51-25	2.50-25	2.91-25
S	5.49-03	6.43-03	3.81-03	1.68-03	9.11-04	1.85-04	3.68-04	2.33-04	1.48-04	1.79-04
ST. DEV.	1.39-04	1.46-04	1.28-04	1.15-04	1.03-04	9.78-05	9.10-05	1.03-04	1.03-04	1.20-04
S/ALPHA	2.91-03	9.48-04	2.61-04	6.56-05	2.48-05	3.74-06	5.92-06	3.01-06	1.70-06	1.90-06
ST. DEV.	7.36-05	2.15-05	8.78-06	4.64-06	2.80-06	1.98-06	1.46-06	1.33-06	1.18-06	1.27-06

BETA = -5.00+00

ALPHA	1.92+00	6.76+00	1.45+01	2.46+01	3.63+01	4.89+01	6.15+01	7.67+01	8.63+01	9.31+01
SIGPAR	9.60-24	1.36-23	8.80-24	4.29-24	1.93-24	5.14-25	7.54-25	9.15-25	1.31-25	7.76-25
ST. DEV.	3.25-25	3.63-25	3.33-25	2.98-25	2.68-25	2.52-25	2.35-25	2.73-25	2.84-25	3.23-25
S	3.11-03	4.42-03	2.85-03	1.39-03	6.25-04	1.67-04	2.45-04	2.97-04	4.24-05	2.52-04
ST. DEV.	1.05-04	1.18-04	1.08-04	9.68-05	8.69-05	8.16-05	7.61-05	8.87-05	9.21-05	1.05-04
S/ALPHA	1.62-03	6.54-04	1.97-04	5.66-05	1.72-05	3.41-06	3.98-06	3.87-06	4.91-07	2.70-06
ST. DEV.	5.49-05	1.74-05	7.45-06	3.93-06	2.39-06	1.67-06	1.24-06	1.16-06	1.07-06	1.12-06

BETA = -5.50+00

ALPHA	1.96+00	6.74+00	1.44+01	2.44+01	3.60+01	4.84+01	6.08+01	7.59+01	8.54+01	9.21+01
SIGPAR	9.51-24	1.35-23	8.72-24	4.26-24	1.91-24	5.09-25	7.48-25	9.07-25	1.29-25	7.69-25
ST. DEV.	3.22-25	3.60-25	3.30-25	2.96-25	2.65-25	2.49-25	2.33-25	2.71-25	2.81-25	3.20-25
S	2.43-03	3.45-03	2.23-03	1.09-03	4.88-04	1.30-04	1.91-04	2.32-04	3.31-05	1.97-04
ST. DEV.	8.23-05	9.20-05	8.42-05	7.56-05	6.78-05	6.37-05	5.94-05	6.93-05	7.19-05	8.17-05
S/ALPHA	1.24-03	5.12-04	1.55-04	4.46-05	1.36-05	2.69-06	3.14-06	3.05-06	3.87-07	2.13-06
ST. DEV.	4.20-05	1.36-05	5.36-06	3.10-06	1.89-06	1.32-06	9.77-07	9.13-07	8.42-07	8.87-07

BETA = -6.00+00

ALPHA	2.01+00	6.73+00	1.43+01	2.42+01	3.56+01	4.79+01	6.02+01	7.50+01	8.44+01	9.11+01
SIGPAR	6.64-24	1.14-23	8.57-24	4.42-24	1.79-24	8.46-25	1.67-24	7.06-25	2.87-25	2.16-25
ST. DEV.	2.56-25	2.96-25	2.85-25	2.55-25	2.34-25	2.16-25	2.11-25	2.35-25	2.40-25	2.75-25
S	1.34-03	2.29-03	1.73-03	8.91-04	3.60-04	1.70-04	3.37-04	1.42-04	5.77-05	4.35-05
ST. DEV.	5.16-05	5.97-05	5.74-05	5.14-05	4.71-05	4.35-05	4.25-05	4.74-05	4.83-05	5.53-05
S/ALPHA	6.67-04	3.40-04	1.21-04	3.69-05	1.01-05	3.56-06	5.60-06	1.89-06	6.84-07	4.77-07
ST. DEV.	2.57-05	6.87-06	4.02-06	2.13-06	1.32-06	9.08-07	7.07-07	6.31-07	5.72-07	6.07-07

BETA = -6.50+00

ALPHA	2.06+00	6.73+00	1.42+01	2.39+01	3.53+01	4.74+01	5.95+01	7.42+01	8.35+01	9.01+01
SIGPAR	6.12-24	1.09-23	8.49-24	4.42-24	1.76-24	8.92-25	1.81-24	6.69-25	3.07-25	1.30-25
ST. DEV.	2.91-25	3.37-25	3.24-25	2.91-25	2.66-25	2.46-25	2.40-25	2.67-25	2.72-25	3.12-25
S	9.71-04	1.74-03	1.35-03	7.02-04	2.79-04	1.42-04	2.88-04	1.06-04	4.88-05	2.06-05
ST. DEV.	4.61-05	5.35-05	5.15-05	4.62-05	4.22-05	3.90-05	3.81-05	4.24-05	4.32-05	4.95-05
S/ALPHA	4.72-04	2.58-04	9.50-05	2.93-05	7.90-06	2.99-06	4.83-06	1.43-06	5.84-07	2.29-07
ST. DEV.	2.24-05	7.96-06	3.63-06	1.93-06	1.20-06	8.23-07	6.41-07	5.72-07	5.18-07	5.50-07

BETA = -7.00+00

ALPHA	2.12+00	6.73+00	1.41+01	2.37+01	3.49+01	4.69+01	5.89+01	7.34+01	8.25+01	8.90+01
SIGPAR	5.01-24	9.51-24	8.73-24	4.70-24	1.96-24	1.06-24	1.66-24	8.73-25	6.15-25	4.78-25
ST. DEV.	2.40-25	2.70-25	2.73-25	2.47-25	2.20-25	2.08-25	1.84-25	2.17-25	2.23-25	2.67-25
S	6.26-04	1.19-03	1.09-03	5.88-04	2.45-04	1.33-04	2.08-04	1.09-04	7.69-05	5.99-05
ST. DEV.	3.00-05	3.38-05	3.42-05	3.10-05	2.76-05	2.60-05	2.30-05	2.72-05	2.80-05	3.34-05
S/ALPHA	2.97-04	1.77-04	7.75-05	2.48-05	7.02-06	2.84-06	3.53-06	1.49-06	9.32-07	6.73-07
ST. DEV.	1.42-05	5.02-06	2.43-06	1.31-06	7.90-07	5.55-07	3.91-07	3.71-07	3.39-07	3.75-07

BETA = -7.50+00

ALPHA	2.18+00	6.74+00	1.40+01	2.35+01	3.46+01	4.64+01	5.82+01	7.25+01	8.16+01	8.80+01
SIGPAR	4.69-24	9.09-24	8.71-24	4.74-24	1.99-24	1.11-24	1.62-24	9.03-25	7.01-25	5.58-25
ST. DEV.	2.88-25	3.24-25	3.30-25	2.98-25	2.65-25	2.49-25	2.19-25	2.60-25	2.68-25	3.21-25
S	4.64-04	8.97-04	8.60-04	4.68-04	1.97-04	1.09-04	1.59-04	8.92-05	6.92-05	5.51-05
ST. DEV.	2.85-05	3.20-05	3.26-05	2.94-05	2.62-05	2.46-05	2.17-05	2.57-05	2.65-05	3.17-05
S/ALPHA	2.12-04	1.33-04	6.14-05	1.99-05	5.69-06	2.36-06	2.74-06	1.23-06	8.48-07	6.26-07
ST. DEV.	1.30-05	4.75-06	2.33-06	1.25-06	7.57-07	5.31-07	3.72-07	3.55-07	3.25-07	3.60-07

BETA = -8.00+00

ALPHA	2.26+00	6.75+00	1.39+01	2.33+01	3.42+01	4.59+01	5.75+01	7.17+01	8.06+01	8.69+01
SIGPAR	4.68-24	5.56-24	8.25-24	5.06-24	2.02-24	9.39-25	1.04-24	7.31-25	6.27-25	4.44-25
ST. DEV.	2.70-25	3.00-25	2.94-25	2.78-25	2.43-25	2.28-25	1.94-25	2.38-25	2.51-25	3.03-25
S	3.64-04	6.67-04	6.39-04	3.94-04	1.57-04	7.32-05	8.13-05	5.69-05	4.89-05	3.46-05
ST. DEV.	2.10-05	2.34-05	2.29-05	2.16-05	1.89-05	1.77-05	1.51-05	1.86-05	1.96-05	2.36-05
S/ALPHA	1.61-04	9.88-05	4.59-05	1.69-05	4.60-06	1.60-06	1.41-06	7.95-07	6.06-07	3.97-07
ST. DEV.	9.32-06	3.46-06	1.64-06	9.28-07	5.54-07	3.87-07	2.63-07	2.59-07	2.43-07	2.72-07

BETA = -8.50+00

ALPHA	2.34+00	6.77+00	1.38+01	2.31+01	3.39+01	4.54+01	5.69+01	7.08+01	7.96+01	8.59+01
SIGPAR	4.58-24	5.43-24	8.05-24	5.09-24	1.99-24	9.23-25	9.22-25	6.80-25	6.08-25	4.35-25
ST. DEV.	2.68-25	2.99-25	2.93-25	2.77-25	2.42-25	2.26-25	1.92-25	2.36-25	2.48-25	2.99-25
S	2.82-04	5.16-04	4.95-04	3.13-04	1.22-04	5.67-05	5.67-05	4.18-05	3.74-05	2.68-05
ST. DEV.	1.65-05	1.84-05	1.80-05	1.70-05	1.49-05	1.39-05	1.18-05	1.45-05	1.53-05	1.84-05
S/ALPHA	1.21-04	7.65-05	3.58-05	1.35-05	3.61-06	1.25-06	9.96-07	5.90-07	4.70-07	3.12-07
ST. DEV.	7.05-06	2.72-06	1.30-06	7.36-07	4.39-07	3.06-07	2.07-07	2.05-07	1.92-07	2.14-07

BETA = -9.00+00

ALPHA	2.43+00	6.80+00	1.38+01	2.29+01	3.35+01	4.48+01	5.62+01	7.00+01	7.87+01	8.48+01
SIGPAR	4.10-24	6.36-24	7.61-24	5.21-24	1.87-24	8.67-25	5.58-25	5.40-25	6.10-25	4.09-25
ST. DEV.	3.03-25	3.38-25	3.31-25	3.16-25	2.70-25	2.66-25	2.23-25	2.72-25	2.71-25	3.35-25
S	1.99-04	4.06-04	3.79-04	2.53-04	9.08-05	4.21-05	2.71-05	2.62-05	2.96-05	1.99-05
ST. DEV.	1.47-05	1.64-05	1.61-05	1.53-05	1.31-05	1.29-05	1.08-05	1.32-05	1.32-05	1.63-05
S/ALPHA	8.19-05	5.97-05	2.75-05	1.10-05	2.71-06	9.39-07	4.82-07	3.74-07	3.77-07	2.34-07
ST. DEV.	6.05-06	2.41-06	1.17-06	6.69-07	3.91-07	2.88-07	1.92-07	1.89-07	1.67-07	1.92-07

BETA = -9.50+00

ALPHA	2.53+00	6.84+00	1.37+01	2.27+01	3.32+01	4.43+01	5.56+01	6.91+01	7.77+01	8.37+01
SIGPAR	3.81-24	7.97-24	7.81-24	5.08-24	2.09-24	8.40-25	6.27-25	5.40-25	5.64-25	6.57-25
ST. DEV.	2.16-25	2.36-25	2.39-25	2.27-25	1.94-25	1.92-25	1.55-25	1.93-25	1.99-25	2.42-25
S	1.46-04	3.06-04	2.99-04	1.95-04	8.01-05	3.22-05	2.40-05	2.07-05	2.16-05	2.52-05
ST. DEV.	8.30-06	9.05-06	9.16-06	8.71-06	7.44-06	7.36-06	5.96-06	7.40-06	7.64-06	9.28-06
S/ALPHA	5.78-05	4.47-05	2.18-05	6.56-06	2.42-06	7.27-07	4.33-07	3.00-07	2.78-07	3.01-07
ST. DEV.	3.28-06	1.32-06	6.68-07	3.83-07	2.24-07	1.66-07	1.07-07	1.07-07	9.83-08	1.11-07

BETA = -1.00+01

ALPHA	2.63+00	6.88+00	1.37+01	2.25+01	3.28+01	4.38+01	5.49+01	6.82+01	7.67+01	8.27+01
SIGPAR	3.47-24	7.52-24	7.84-24	4.94-24	2.36-24	8.48-25	7.01-25	5.41-25	5.27-25	9.63-25
ST. DEV.	3.07-25	3.25-25	3.43-25	3.26-25	2.78-25	2.75-25	2.16-25	2.72-25	2.91-25	3.49-25
S	1.05-04	2.28-04	2.38-04	1.50-04	7.14-05	2.57-05	2.13-05	1.64-05	1.60-05	2.92-05
ST. DEV.	9.30-06	9.86-06	1.04-05	9.89-06	8.43-06	8.34-06	6.55-06	8.24-06	8.84-06	1.06-05
S/ALPHA	3.99-05	3.31-05	1.74-05	6.64-06	2.18-06	5.86-07	3.87-07	2.41-07	2.08-07	3.53-07
ST. DEV.	3.53-06	1.43-06	7.62-07	4.39-07	2.57-07	1.90-07	1.19-07	1.21-07	1.15-07	1.28-07

BETA = -1.05+01

ALPHA	2.75+00	6.93+00	1.36+01	2.24+01	3.25+01	4.33+01	5.42+01	6.74+01	7.57+01	8.16+01
SIGPAR	3.05-24	6.08-24	6.82-24	5.08-24	2.80-24	1.16-24	1.28-24	2.71-25	1.22-25	8.41-25
ST. DEV.	2.79-25	3.00-25	3.19-25	3.06-25	2.72-25	2.56-25	2.11-25	2.60-25	2.72-25	3.29-25
S	7.32-05	1.46-04	1.63-04	1.22-04	6.71-05	2.78-05	3.07-05	6.48-06	2.91-06	2.02-05
ST. DEV.	6.69-06	7.19-06	7.64-06	7.34-06	6.53-06	6.15-06	5.05-06	6.24-06	6.53-06	7.89-06
S/ALPHA	2.66-05	2.10-05	1.20-05	5.45-06	2.06-06	6.43-07	5.66-07	9.62-08	3.85-08	2.47-07
ST. DEV.	2.43-06	1.04-06	5.61-07	3.29-07	2.01-07	1.42-07	9.32-08	9.26-08	8.62-08	9.68-08

BETA = -1.10+01

ALPHA	2.88+00	6.99+00	1.36+01	2.22+01	3.22+01	4.28+01	5.35+01	6.65+01	7.47+01	8.05+01
SIGPAR	2.64-24	5.40-24	6.64-24	4.90-24	2.80-24	1.17-24	1.00-24	2.48-25	2.79-25	7.13-25
ST. DEV.	2.15-25	2.27-25	2.46-25	2.42-25	2.09-25	2.00-25	1.64-25	2.04-25	2.10-25	2.60-25
S	5.00-05	1.02-04	1.26-04	9.29-05	5.32-05	2.22-05	1.90-05	4.69-06	5.29-06	1.35-05
ST. DEV.	4.09-06	4.31-06	4.67-06	4.58-06	3.96-06	3.79-06	3.11-06	3.86-06	3.99-06	4.94-06
S/ALPHA	1.74-05	1.46-05	9.28-06	4.19-06	1.65-06	5.18-07	3.55-07	7.06-08	7.08-08	1.68-07
ST. DEV.	1.42-06	6.16-07	3.45-07	2.07-07	1.23-07	8.84-08	5.80-08	5.81-08	5.34-08	6.14-08

BETA = -1.15+01

ALPHA	3.01+00	7.06+00	1.35+01	2.20+01	3.18+01	4.23+01	5.29+01	6.56+01	7.37+01	7.94+01
SIGPAR	2.21-24	4.81-24	6.58-24	4.74-24	2.82-24	1.17-24	7.14-25	1.90-25	4.32-25	5.54-25
ST. DEV.	2.70-25	2.77-25	3.10-25	3.07-25	2.59-25	2.52-25	2.08-25	2.60-25	2.64-25	3.34-25
S	3.32-05	7.22-05	9.88-05	7.11-05	4.24-05	1.76-05	1.07-05	2.85-06	6.48-06	8.31-06
ST. DEV.	4.06-06	4.16-06	4.65-06	4.61-06	3.89-06	3.78-06	3.13-06	3.90-06	3.96-06	5.01-06
S/ALPHA	1.10-05	1.02-05	7.30-06	3.23-06	1.33-06	4.16-07	2.03-07	4.34-08	8.80-08	1.05-07
ST. DEV.	1.35-06	5.90-07	3.44-07	2.10-07	1.22-07	8.93-08	5.92-08	5.95-08	5.37-08	6.31-08

BETA = -1.20+01

ALPHA	3.16+00	7.14+00	1.35+01	2.18+01	3.15+01	4.18+01	5.22+01	6.47+01	7.26+01	7.82+01
SIGPAR	2.06-24	4.81-24	6.89-24	5.01-24	3.27-24	1.20-24	1.15-24	1.19-25	3.32-25	5.61-25
ST. DEV.	3.31-25	3.31-25	3.62-25	3.56-25	3.14-25	2.90-25	2.58-25	3.04-25	3.07-25	3.89-25
S	2.45-05	5.72-05	8.19-05	5.95-05	3.89-05	1.42-05	1.36-05	1.41-06	3.95-06	6.66-06
ST. DEV.	3.94-06	3.93-06	4.30-06	4.24-06	3.73-06	3.45-06	3.07-06	3.62-06	3.65-06	4.63-06
S/ALPHA	7.76-06	8.00-06	6.07-06	2.73-06	1.23-06	3.40-07	2.61-07	2.19-08	5.44-08	8.51-08
ST. DEV.	1.25-06	5.51-07	3.19-07	1.94-07	1.19-07	8.24-08	5.88-08	5.59-08	5.02-08	5.92-08

BETA = -1.25+01

ALPHA	3.32+00	7.23+00	1.35+01	2.17+01	3.12+01	4.13+01	5.15+01	6.38+01	7.16+01	7.71+01
SIGPAR	1.83-24	3.88-24	6.48-24	5.20-24	2.53-24	1.45-24	9.26-25	7.00-25	5.95-25	5.55-25
ST. DEV.	2.86-25	2.83-25	3.17-25	3.14-25	2.80-25	2.64-25	2.32-25	2.72-25	2.85-25	3.55-25
S	1.72-05	3.65-05	6.07-05	4.90-05	2.38-05	1.36-05	8.72-06	6.59-06	5.61-06	5.22-06
ST. DEV.	2.69-06	2.66-06	2.99-06	2.96-06	2.64-06	2.48-06	2.19-06	2.57-06	2.69-06	3.35-06
S/ALPHA	5.20-06	5.05-06	4.50-06	2.26-06	7.65-07	3.29-07	1.69-07	1.03-07	7.83-08	6.77-08
ST. DEV.	8.12-07	3.68-07	2.21-07	1.37-07	8.46-08	6.01-08	4.24-08	4.02-08	3.75-08	4.34-08

BETA = -1.30+01

ALPHA	3.49+00	7.33+00	1.35+01	2.15+01	3.08+01	4.08+01	5.08+01	6.29+01	7.06+01	7.60+01
SIGPAR	1.84-24	3.75-24	5.60-24	4.98-24	2.69-24	1.55-24	7.23-25	7.94-25	4.39-25	1.94-26
ST. DEV.	2.58-25	2.48-25	2.68-25	2.80-25	2.45-25	2.23-25	2.04-25	2.43-25	2.54-25	3.17-25
S	1.37-05	2.80-05	4.18-05	3.72-05	2.01-05	1.15-05	5.40-06	5.93-06	3.28-06	1.42-07
ST. DEV.	1.93-06	1.85-06	2.00-06	2.09-06	1.83-06	1.67-06	1.52-06	1.82-06	1.89-06	2.36-06
S/ALPHA	3.94-06	3.82-06	3.11-06	1.73-06	6.51-07	2.83-07	1.06-07	9.42-08	4.64-08	1.87-09
ST. DEV.	5.52-07	2.52-07	1.49-07	9.71-08	5.92-08	4.09-08	3.00-08	2.89-08	2.68-08	3.11-08

BETA = -1.35+01

ALPHA	3.67+00	7.44+00	1.35+01	2.14+01	3.05+01	4.03+01	5.01+01	6.20+01	6.95+01	7.48+01
SIGPAR	1.85-24	3.86-24	5.32-24	4.85-24	2.81-24	1.68-24	8.40-25	7.70-25	7.71-26	4.19-25
ST. DEV.	2.52-25	2.45-25	2.66-25	2.75-25	2.42-25	2.21-25	2.02-25	2.35-25	2.41-25	3.17-25
S	1.10-05	2.28-05	3.15-05	2.87-05	1.66-05	9.96-06	4.97-06	4.56-06	4.54-07	2.48-06
ST. DEV.	1.49-06	1.45-06	1.57-06	1.63-06	1.43-06	1.31-06	1.20-06	1.39-06	1.43-06	1.88-06
S/ALPHA	2.99-06	3.07-06	2.34-06	1.34-06	5.44-07	2.47-07	9.92-08	7.35-08	6.53-09	3.32-08
ST. DEV.	4.07-07	1.95-07	1.17-07	7.63-08	4.69-08	3.25-08	2.39-08	2.24-08	2.05-08	2.51-08

BETA = -1.40+01										
ALPHA	3.86+00	7.57+00	1.35+01	2.12+01	3.02+01	3.98+01	4.94+01	6.11+01	6.84+01	7.37+01
SIGPAR	1.74-24	3.66-24	5.60-24	5.14-24	2.97-24	2.23-24	1.15-24	6.08-25	2.04-25	6.98-25
ST. DEV.	2.48-25	2.47-25	2.74-25	2.82-25	2.47-25	2.36-25	2.07-25	2.42-25	2.45-25	3.23-25
S	8.20-06	1.72-05	2.63-05	2.42-05	1.39-05	1.05-05	5.42-06	2.86-06	9.57-07	3.28-06
ST. DEV.	1.17-06	1.16-06	1.29-06	1.33-06	1.16-06	1.11-06	9.76-07	1.14-06	1.15-06	1.52-06
S/ALPHA	2.12-06	2.27-06	1.95-06	1.14-06	4.62-07	2.63-07	1.10-07	4.68-08	1.40-08	4.45-08
ST. DEV.	3.02-07	1.54-07	9.57-08	6.26-08	3.84-08	2.79-08	1.97-08	1.87-08	1.68-08	2.07-08

	BETA	= -1.45+01									
ALPHA	4.07+00	7.70+00	1.35+01	2.11+01	2.99+01	3.93+01	4.87+01	6.02+01	6.74+01	7.25+01	
SIGPAR	1.58-24	3.46-24	5.21-24	5.19-24	3.25-24	2.53-24	1.12-24	2.21-25	3.11-25	7.76-25	
ST. DEV.	2.58-25	2.52-25	2.77-25	2.85-25	2.58-25	2.48-25	2.14-25	2.59-25	2.58-25	3.27-25	
S	5.91-06	1.29-05	1.95-05	1.94-05	1.21-05	9.47-06	4.19-06	8.24-07	1.16-06	2.90-06	
ST. DEV.	9.63-07	9.43-07	1.03-06	1.07-06	9.64-07	9.25-07	8.01-07	9.67-07	9.65-07	1.22-06	
S/ALPHA	1.45-06	1.68-06	1.44-06	9.19-07	4.06-07	2.41-07	8.60-08	1.37-08	1.72-08	4.00-08	
ST. DEV.	2.36-07	1.22-07	7.66-08	5.05-08	3.23-08	2.35-08	1.64-08	1.61-08	1.43-08	1.68-08	

BETA = -1.50+01										
ALPHA	4.30+00	7.85+00	1.35+01	2.10+01	2.96+01	3.88+01	4.80+01	5.92+01	6.63+01	7.13+01
SIGPAR	1.61-24	3.42-24	4.39-24	4.22-24	3.29-24	2.16-24	8.39-25	1.45-25	3.29-25	3.41-25
ST. DEV.	2.78-25	2.57-25	2.90-25	3.01-25	2.74-25	2.52-25	2.27-25	2.76-25	2.74-25	3.43-25
S	4.76-06	1.02-05	1.30-05	1.25-05	9.76-06	6.41-06	2.49-06	4.31-07	9.77-07	1.01-06
ST. DEV.	8.26-07	7.65-07	8.61-07	8.93-07	8.13-07	7.48-07	6.76-07	8.19-07	8.13-07	1.02-06
S/ALPHA	1.11-06	1.29-06	9.64-07	5.99-07	3.30-07	1.65-07	5.19-08	7.27-09	1.47-08	1.42-08
ST. DEV.	1.92-07	9.74-08	6.36-08	4.26-08	2.75-08	1.93-08	1.41-08	1.38-08	1.23-08	1.43-08

BETA = -1.55+01										
ALPHA	4.54+00	8.01+00	1.36+01	2.08+01	2.93+01	3.83+01	4.73+01	5.83+01	6.52+01	7.01+01
SIGPAR	1.92-24	3.09-24	4.46-24	4.53-24	3.14-24	1.66-24	1.11-24	5.44-25	6.76-25	1.91-25
ST. DEV.	3.07-25	2.98-25	3.05-25	3.31-25	3.06-25	2.85-25	2.57-25	3.12-25	3.07-25	3.89-25
S	4.53-06	7.30-06	1.05-05	1.07-05	7.43-06	3.93-06	2.61-06	1.29-06	1.60-06	4.48-07
ST. DEV.	7.26-07	7.04-07	7.22-07	7.90-07	7.25-07	6.74-07	6.08-07	7.37-07	7.26-07	9.21-07
S/ALPHA	9.99-07	9.11-07	7.77-07	5.14-07	2.54-07	1.03-07	5.52-08	2.21-08	2.45-08	6.40-09
ST. DEV.	1.60-07	8.79-08	5.32-08	3.79-08	2.48-08	1.76-08	1.28-08	1.27-08	1.11-08	1.31-08

				BETA = -1.60+01							
ALPHA	4.79+00	8.19+00	1.36+01	2.07+01	2.90+01	3.78+01	4.66+01	5.73+01	6.41+01	6.89+01	
SIGPAR	1.61-24	3.09-24	4.78-24	5.21-24	3.49-24	1.82-24	1.05-24	1.16-24	6.96-25	3.79-25	
ST. DEV.	3.37-25	3.10-25	3.34-25	3.70-25	3.28-25	3.08-25	2.77-25	3.34-25	3.35-25	4.36-25	
S	3.03-06	5.81-06	8.94-06	9.81-06	6.57-06	3.43-06	1.97-06	2.18-06	1.31-06	7.13-07	
ST. DEV.	6.35-07	5.84-07	6.30-07	6.97-07	6.18-07	5.79-07	5.22-07	6.29-07	6.31-07	8.21-07	
S/ALPHA	6.32-07	7.10-07	6.57-07	4.73-07	2.27-07	9.08-08	4.23-08	3.80-08	2.04-08	1.04-08	
ST. DEV.	1.32-07	7.13-08	4.62-08	3.37-08	2.13-08	1.53-08	1.12-08	1.10-08	9.84-09	1.19-08	

				BETA = -1.65+01							
ALPHA	5.07+00	8.38+00	1.37+01	2.06+01	2.87+01	3.73+01	4.59+01	5.64+01	6.30+01	6.76+01	
SIGPAR	2.52-24	3.48-24	3.89-24	4.71-24	3.74-24	2.54-24	1.24-24	1.39-24	3.23-25	1.36-25	
ST. DEV.	3.32-25	3.07-25	3.22-25	3.43-25	3.13-25	2.99-25	2.70-25	3.18-25	3.17-25	4.04-25	
S	3.78-06	5.23-06	5.84-06	7.07-06	5.61-06	3.81-06	1.87-06	2.09-06	4.85-07	2.02-07	
ST. DEV.	4.99-07	4.61-07	4.84-07	5.16-07	4.70-07	4.49-07	4.06-07	4.79-07	4.76-07	6.07-07	
S/ALPHA	7.47-07	6.23-07	4.27-07	3.43-07	1.96-07	1.02-07	4.06-08	3.71-08	7.70-09	2.99-09	
ST. DEV.	9.86-08	5.50-08	3.54-08	2.50-08	1.64-08	1.20-08	8.85-09	8.49-09	7.56-09	8.97-09	

				BETA = -1.70+01							
ALPHA	5.36+00	8.60+00	1.38+01	2.05+01	2.84+01	3.68+01	4.52+01	5.54+01	6.18+01	6.64+01	
SIGPAR	2.30-24	3.05-24	4.16-24	5.28-24	3.80-24	2.12-24	1.08-24	3.76-25	3.55-25	2.50-25	
ST. DEV.	3.49-25	3.20-25	3.29-25	3.63-25	3.36-25	3.04-25	2.86-25	3.43-25	3.38-25	4.22-25	
S	2.75-06	3.65-06	4.99-06	6.33-06	4.56-06	2.55-06	1.29-06	4.50-07	4.25-07	2.99-07	
ST. DEV.	4.19-07	3.84-07	3.95-07	4.35-07	4.03-07	3.64-07	3.44-07	4.11-07	4.05-07	5.06-07	
S/ALPHA	5.14-07	4.25-07	3.62-07	3.08-07	1.61-07	6.93-08	2.85-08	8.12-09	6.88-09	4.50-09	
ST. DEV.	7.81-08	4.47-08	2.87-08	2.12-08	1.42-08	9.91-09	7.61-09	7.42-09	6.56-09	7.63-09	

				BETA = -1.75+01							
ALPHA	5.67+00	8.83+00	1.39+01	2.04+01	2.81+01	3.63+01	4.45+01	5.44+01	6.07+01	6.51+01	
SIGPAR	2.92-24	3.77-24	4.83-24	5.20-24	4.11-24	2.07-24	1.06-24	-2.73-26	4.48-25	1.15-24	
ST. DEV.	3.65-25	3.33-25	3.49-25	3.66-25	3.44-25	3.29-25	2.99-25	3.50-25	3.52-25	4.46-25	
S	2.80-06	3.62-06	4.63-06	4.98-06	3.94-06	1.98-06	1.01-06	-2.78-08	4.29-07	1.11-06	
ST. DEV.	3.50-07	3.20-07	3.35-07	3.52-07	3.30-07	3.16-07	2.87-07	3.36-07	3.38-07	4.28-07	
S/ALPHA	4.93-07	4.10-07	3.34-07	2.44-07	1.40-07	5.46-08	2.28-08	-5.12-10	7.07-09	1.70-08	
ST. DEV.	6.17-08	3.62-08	2.41-08	1.72-08	1.17-08	8.71-09	6.46-09	6.18-09	5.57-09	6.58-09	

BETA = -1.80+01

ALPHA	6.01+00	9.08+00	1.40+01	2.04+01	2.78+01	3.58+01	4.37+01	5.34+01	5.95+01	6.38+01
SIGPAR	3.81-24	4.29-24	4.89-24	5.91-24	4.08-24	2.33-24	1.79-24	4.71-25	8.52-25	5.12-25
ST. DEV.	3.52-25	3.19-25	3.36-25	3.58-25	3.28-25	3.03-25	2.75-25	3.35-25	3.39-25	4.27-25
S	2.92+06	3.30+06	3.76+06	4.54+06	3.14+06	1.79+06	1.37+06	3.62+07	6.54+07	3.93+07
ST. DEV.	2.71-07	2.45-07	2.58-07	2.75-07	2.52-07	2.33-07	2.12-07	2.58-07	2.61-07	3.28-07
S/ALPHA	4.86-07	3.63-07	2.69-07	2.23-07	1.13-07	5.00-08	3.14-08	6.77-09	1.10-08	6.17-09
ST. DEV.	4.50-08	2.70-08	1.85-08	1.35-08	9.06-09	6.50-09	4.84-09	4.83-09	4.39-09	5.14-09

BETA = -1.85+01

ALPHA	6.37+00	9.35+00	1.41+01	2.03+01	2.75+01	3.53+01	4.30+01	5.24+01	5.83+01	6.25+01
SIGPAR	3.85-24	3.65-24	4.76-24	5.42-24	4.84-24	2.83-24	1.82-24	1.17-24	5.26-25	5.50-25
ST. DEV.	3.84-25	3.44-25	3.54-25	3.83-25	3.52-25	3.28-25	2.98-25	3.58-25	3.53-25	4.52-25
S	2.37-06	2.25-06	2.93-06	3.34-06	2.98-06	1.75-06	1.12-06	7.19-07	3.23-07	3.38-07
ST. DEV.	2.37-07	2.12-07	2.18-07	2.36-07	2.17-07	2.02-07	1.84-07	2.21-07	2.17-07	2.79-07
S/ALPHA	3.72-07	2.40-07	2.08-07	1.64-07	1.08-07	4.95-08	2.60-08	1.37-08	5.55-09	5.42-09
ST. DEV.	3.71-08	2.27-08	1.55-08	1.16-08	7.89-09	5.73-09	4.27-09	4.21-09	3.73-09	4.46-09

BETA = -1.90+01

ALPHA	6.76+00	9.64+00	1.43+01	2.03+01	2.73+01	3.48+01	4.23+01	5.13+01	5.71+01	6.11+01
SIGPAR	3.78-24	4.00-24	4.52-24	4.06-24	3.91-24	3.33-24	2.09-24	1.69-24	1.44-24	7.23-25
ST. DEV.	3.98-25	3.58-25	3.74-25	3.79-25	3.59-25	3.38-25	3.16-25	3.82-25	3.71-25	4.66-25
S	1.87-06	1.98-06	2.23-06	2.01-06	1.94-06	1.65-06	1.04-06	8.39-07	7.13-07	3.58-07
ST. DEV.	1.97-07	1.77-07	1.85-07	1.88-07	1.78-07	1.68-07	1.56-07	1.89-07	1.84-07	2.31-07
S/ALPHA	2.77-07	2.05-07	1.57-07	9.91-08	7.10-08	4.74-08	2.45-08	1.64-08	1.25-08	5.85-09
ST. DEV.	2.91-08	1.84-08	1.30-08	9.26-09	6.52-09	4.82-09	3.70-09	3.69-09	3.22-09	3.78-09

BETA = -1.95+01

ALPHA	7.18+00	9.97+00	1.44+01	2.03+01	2.70+01	3.42+01	4.15+01	5.03+01	5.58+01	5.98+01
SIGPAR	2.71-24	3.72-24	4.45-24	4.81-24	3.34-24	2.53-24	2.23-24	1.31-24	7.81-25	-1.13-25
ST. DEV.	3.88-25	3.53-25	3.59-25	3.77-25	3.63-25	3.54-25	3.27-25	3.85-25	3.66-25	4.80-25
S	1.08-06	1.48-06	1.77-06	1.92-06	1.33-06	1.01-06	8.90-07	5.23-07	3.11-07	-4.58-08
ST. DEV.	1.55-07	1.41-07	1.43-07	1.50-07	1.45-07	1.41-07	1.30-07	1.53-07	1.46-07	1.91-07
S/ALPHA	1.50-07	1.48-07	1.23-07	9.47-08	4.93-08	2.94-08	2.15-08	1.04-08	5.56-09	-7.66-10
ST. DEV.	2.16-08	1.41-08	9.93-09	7.42-09	5.36-09	4.12-09	3.14-09	3.05-09	2.62-09	3.20-09

BETA = -2.00+01

ALPHA	7.63+00	1.03+01	1.46+01	2.02+01	2.68+01	3.37+01	4.07+01	4.92+01	5.46+01	5.83+01
SIGPAR	1.59-24	3.82-24	4.30-24	4.57-24	2.91-24	2.10-24	2.30-24	1.30-24	1.37-24	1.11-24
ST. DEV.	4.10-25	3.59-25	3.70-25	4.08-25	3.69-25	3.69-25	3.43-25	4.05-25	3.97-25	4.97-25
S	5.09-07	1.23-06	1.38-06	1.47-06	9.35-07	6.76-07	7.41-07	4.19-07	4.40-07	3.57-07
ST. DEV.	1.32-07	1.16-07	1.19-07	1.31-07	1.19-07	1.19-07	1.10-07	1.30-07	1.28-07	1.60-07
S/ALPHA	6.67-08	1.19-07	9.45-08	7.26-08	3.49-08	2.00-08	1.82-08	8.52-09	8.07-09	6.13-09
ST. DEV.	1.73-08	1.12-08	8.16-09	6.49-09	4.44-09	3.52-09	2.71-09	2.65-09	2.34-09	2.74-09

BETA = -2.05+01

ALPHA	8.11+00	1.07+01	1.48+01	2.02+01	2.65+01	3.32+01	4.00+01	4.81+01	5.33+01	5.69+01
SIGPAR	2.22-24	3.33-24	3.99-24	3.85-24	3.38-24	1.80-24	2.37-24	1.91-24	3.58-25	1.82-24
ST. DEV.	4.41-25	3.94-25	3.85-25	4.16-25	3.92-25	3.90-25	3.59-25	4.23-25	4.27-25	5.28-25
S	5.77-07	8.66-07	1.04-06	1.00-06	8.80-07	4.67-07	6.16-07	4.98-07	9.30-08	4.74-07
ST. DEV.	1.15-07	1.03-07	1.00-07	1.09-07	1.02-07	1.02-07	9.36-08	1.10-07	1.11-07	1.38-07
S/ALPHA	7.11-08	8.09-08	6.99-08	4.95-08	3.32-08	1.40-08	1.54-08	1.04-08	1.75-09	8.32-09
ST. DEV.	1.42-08	9.59-09	6.76-09	5.36-09	3.85-09	3.06-09	2.34-09	2.29-09	2.09-09	2.42-09

BETA = -2.10+01

ALPHA	8.64+00	1.11+01	1.51+01	2.03+01	2.63+01	3.27+01	3.92+01	4.70+01	5.19+01	5.54+01
SIGPAR	2.20-24	2.73-24	3.21-24	3.29-24	3.75-24	2.90-24	1.98-24	1.19-24	1.19-24	1.00-24
ST. DEV.	4.37-25	3.71-25	3.90-25	4.15-25	4.13-25	4.14-25	3.73-25	4.44-25	4.47-25	5.58-25
S	4.64-07	5.76-07	6.78-07	6.95-07	7.93-07	6.13-07	4.20-07	2.51-07	2.52-07	2.12-07
ST. DEV.	9.26-08	7.85-08	8.25-08	8.79-08	8.75-08	8.76-08	7.90-08	9.40-08	9.46-08	1.18-07
S/ALPHA	5.37-08	5.18-08	4.49-08	3.43-08	3.01-08	1.87-08	1.07-08	5.34-09	4.84-09	3.82-09
ST. DEV.	1.07-08	7.05-09	5.47-09	4.34-09	3.33-09	2.68-09	2.02-09	2.00-09	1.82-09	2.13-09

BETA = -2.15+01

ALPHA	9.22+00	1.16+01	1.54+01	2.03+01	2.61+01	3.22+01	3.84+01	4.59+01	5.06+01	5.39+01
SIGPAR	1.42-24	2.19-24	3.76-24	3.29-24	3.45-24	3.13-24	2.00-24	1.96-24	-1.75-26	7.58-25
ST. DEV.	4.33-25	4.00-25	4.09-25	4.41-25	4.12-25	4.19-25	3.87-25	4.70-25	4.55-25	5.81-25
S	2.44-07	3.77-07	6.47-07	5.66-07	5.94-07	5.40-07	3.44-07	3.38-07	-3.48-09	1.30-07
ST. DEV.	7.47-08	6.90-08	7.07-08	7.61-08	7.11-08	7.23-08	6.67-08	8.12-08	7.85-08	1.00-07
S/ALPHA	2.64-08	3.25-08	4.21-08	2.78-08	2.28-08	1.67-08	8.97-09	7.37-09	-6.88-11	2.41-09
ST. DEV.	8.11-09	5.96-09	4.60-09	3.74-09	2.72-09	2.24-09	1.74-09	1.77-09	1.55-09	1.86-09

				BETA = -2.20+01								
ALPHA	9.84+00	1.21+01	1.57+01	2.04+01	2.59+01	3.17+01	3.76+01	4.47+01	4.92+01	5.23+01		
SIGPAR	2.11-24	1.80-24	3.46-24	2.18-24	2.97-24	2.32-24	2.59-24	1.74-24	9.25-25	2.23-24		
ST. DEV.	4.82-25	4.20-25	4.17-25	4.50-25	4.31-25	4.29-25	3.99-25	4.79-25	4.76-25	6.08-25		
S	2.96-07	2.53-07	4.88-07	3.07-07	4.20-07	3.27-07	3.65-07	2.46-07	1.30-07	3.15-07		
ST. DEV.	6.82-08	5.94-08	5.89-08	6.36-08	6.09-08	6.07-08	5.64-08	6.78-08	6.73-08	8.60-08		
S/ALPHA	3.01-08	2.09-08	3.11-08	1.50-08	1.62-08	1.03-08	9.72-09	5.50-09	2.65-09	6.03-09		
ST. DEV.	6.93-09	4.91-09	3.75-09	3.12-09	2.35-09	1.91-09	1.50-09	1.52-09	1.37-09	1.64-09		

				BETA = -2.25+01								
ALPHA	1.05+01	1.27+01	1.61+01	2.05+01	2.57+01	3.12+01	3.68+01	4.35+01	4.77+01	5.07+01		
SIGPAR	2.33-24	2.60-24	2.87-24	4.91-24	3.85-24	2.55-24	3.02-24	1.58-24	1.53-24	9.08-25		
ST. DEV.	5.01-25	4.26-25	4.36-25	4.64-25	4.48-25	4.55-25	4.13-25	4.94-25	4.87-25	6.30-25		
S	2.69-07	3.01-07	3.33-07	5.71-07	4.48-07	2.97-07	3.51-07	1.84-07	1.78-07	1.05-07		
ST. DEV.	5.84-08	4.96-08	5.08-08	5.41-08	5.22-08	5.30-08	4.81-08	5.75-08	5.68-08	7.34-08		
S/ALPHA	2.56-08	2.38-08	2.07-08	2.78-08	1.74-08	9.50-09	9.55-09	4.23-09	3.73-09	2.08-09		
ST. DEV.	5.55-09	3.92-09	3.16-09	2.63-09	2.03-09	1.70-09	1.31-09	1.32-09	1.19-09	1.45-09		

				BETA = -2.30+01								
ALPHA	1.13+01	1.33+01	1.65+01	2.07+01	2.55+01	3.07+01	3.59+01	4.22+01	4.62+01	4.90+01		
SIGPAR	2.64-24	2.00-24	2.59-24	3.51-24	2.85-24	1.52-24	2.50-24	2.52-24	2.69-24	3.95-25		
ST. DEV.	5.19-25	4.34-25	4.55-25	4.89-25	4.75-25	4.77-25	4.32-25	5.31-25	5.31-25	6.65-25		
S	2.53-07	1.92-07	2.49-07	3.38-07	2.74-07	1.46-07	2.41-07	2.43-07	2.59-07	3.79-08		
ST. DEV.	5.02-08	4.20-08	4.40-08	4.73-08	4.59-08	4.61-08	4.18-08	5.13-08	5.14-08	6.43-08		
S/ALPHA	2.24-08	1.44-08	1.51-08	1.64-08	1.07-08	4.75-09	6.71-09	5.76-09	5.61-09	7.74-10		
ST. DEV.	4.44-09	3.16-09	2.67-09	2.29-09	1.80-09	1.50-09	1.16-09	1.22-09	1.11-09	1.31-09		

				BETA = -2.35+01								
ALPHA	1.21+01	1.40+01	1.70+01	2.09+01	2.54+01	3.02+01	3.51+01	4.09+01	4.46+01	4.72+01		
SIGPAR	2.42-24	1.77-24	2.52-24	2.58-24	1.71-23	1.07-24	3.31-24	1.11-24	1.00-24	6.30-25		
ST. DEV.	5.54-25	4.78-25	4.78-25	5.11-25	6.07-25	5.02-25	4.60-25	5.64-25	5.63-25	7.23-25		
S	1.94-07	1.41-07	2.03-07	2.07-07	1.38-06	8.49-08	2.67-07	8.90-08	8.01-08	5.04-08		
ST. DEV.	4.49-08	3.87-08	3.87-08	4.14-08	4.91-08	4.06-08	3.73-08	4.57-08	4.56-08	5.86-08		
S/ALPHA	1.60-08	1.01-08	1.19-08	9.94-09	5.45-08	2.81-09	7.61-09	2.18-09	1.80-09	1.07-09		
ST. DEV.	3.69-09	2.76-09	2.28-09	1.98-09	1.94-09	1.34-09	1.06-09	1.12-09	1.02-09	1.24-09		

				BETA = -2.40+01							
ALPHA	1.31+01	1.48+01	1.75+01	2.11+01	2.53+01	2.97+01	3.42+01	3.95+01	4.29+01	4.53+01	
SIGPAR	1.96-24	1.79-24	2.33-24	2.07-24	2.28-24	1.55-24	2.04-24	1.36-25	1.69-24	-8.73-25	
ST. DEV.	6.00-25	5.06-25	5.21-25	5.63-25	5.32-25	5.48-25	4.99-25	6.16-25	5.98-25	7.77-25	
S	1.32-07	1.22-07	1.59-07	1.41-07	1.55-07	1.05-07	1.39-07	8.41-09	1.15-07	-6.12-08	
ST. DEV.	4.12-08	3.47-08	3.58-08	3.87-08	3.65-08	3.76-08	3.42-08	4.23-08	4.11-08	5.33-08	
S/ALPHA	1.01-08	8.23-09	9.04-09	6.67-09	6.14-09	3.52-09	4.06-09	2.13-10	2.68-09	-1.35-09	
ST. DEV.	3.15-09	2.34-09	2.04-09	1.83-09	1.45-09	1.27-09	1.00-09	1.07-09	9.56-10	1.18-09	

				BETA = -2.45+01							
ALPHA	1.42+01	1.57+01	1.82+01	2.14+01	2.52+01	2.92+01	3.32+01	3.81+01	4.12+01	4.33+01	
SIGPAR	1.90-24	1.39-24	1.28-24	1.71-24	1.63-24	2.48-24	1.84-24	2.77-25	2.84-25	2.41-25	
ST. DEV.	6.62-25	5.38-25	5.60-25	6.18-25	5.93-25	6.06-25	5.42-25	6.83-25	6.67-25	8.52-25	
S	1.11-07	8.10-08	7.46-08	9.94-08	9.50-08	1.46-07	1.08-07	1.49-08	1.60-08	1.21-08	
ST. DEV.	3.92-08	3.18-08	3.32-08	3.66-08	3.51-08	3.59-08	3.21-08	4.05-08	3.95-08	5.05-08	
S/ALPHA	7.79-09	5.14-09	4.10-09	4.64-09	3.77-09	5.00-09	3.24-09	3.91-10	3.88-10	2.79-10	
ST. DEV.	2.76-09	2.02-09	1.82-09	1.71-09	1.39-09	1.23-09	9.66-10	1.06-09	9.61-10	1.17-09	

				BETA = -2.50+01							
ALPHA	1.55+01	1.69+01	1.90+01	2.19+01	2.52+01	2.87+01	3.22+01	3.65+01	3.92+01	4.11+01	
SIGPAR	9.48-25	-3.63-26	7.24-25	-1.28-25	-7.82-25	-6.64-25	1.74-24	-8.37-25	-2.34-24	3.18-26	
ST. DEV.	7.59-25	6.24-25	6.20-25	6.96-25	6.71-25	6.85-25	6.16-25	7.72-25	7.62-25	9.73-25	
S	4.73-08	-3.30-09	3.67-08	-9.05-09	-4.21-08	-3.68-08	8.99-08	-4.55-08	-1.24-07	5.09-10	
ST. DEV.	3.99-08	3.28-08	3.25-08	3.65-08	3.52-08	3.60-08	3.23-08	4.05-08	4.00-08	5.11-08	
S/ALPHA	3.05-09	-1.96-10	1.93-09	-4.14-10	-1.67-09	-1.28-09	2.79-09	-1.25-09	-3.16-09	1.24-11	
ST. DEV.	2.57-09	1.94-09	1.71-09	1.67-09	1.40-09	1.25-09	1.00-09	1.11-09	1.02-09	1.24-09	

				BETA = -2.55+01							
ALPHA	1.71+01	1.82+01	2.01+01	2.24+01	2.52+01	2.82+01	3.12+01	3.48+01	3.70+01	3.86+01	
SIGPAR	-3.52-25	-9.81-25	-1.09-24	7.85-25	1.50-24	-1.97-24	-2.12-24	2.40-25	-1.51-24	-4.11-24	
ST. DEV.	9.18-25	7.38-25	7.60-25	8.41-25	8.13-25	8.29-25	7.38-25	9.40-25	9.25-25	1.19-24	
S	-2.24-08	-4.96-08	-5.49-08	3.54-08	7.25-08	-9.69-08	-1.05-07	9.02-09	-7.59-08	-2.04-07	
ST. DEV.	4.47-08	3.60-08	3.70-08	4.09-08	3.96-08	4.04-08	3.60-08	4.58-08	4.51-08	5.78-08	
S/ALPHA	-1.31-09	-2.72-09	-2.74-09	1.57-09	2.87-09	-3.44-09	-3.37-09	2.59-10	-2.05-09	-5.27-09	
ST. DEV.	2.62-09	1.97-09	1.85-09	1.82-09	1.57-09	1.43-09	1.15-09	1.32-09	1.22-09	1.50-09	

TABLE XIII. Ice, Al(220), He³ counters, 1.5 m flight path

BETA = 4.00+00										
ALPHA	2.11+00	7.85+00	1.70+01	2.90+01	4.29+01	5.78+01	7.28+01	9.08+01	1.02+02	1.10+02
SIGPAR	7.56-24	3.43-24	1.32-24	1.20-25	2.15-25	7.33-26	1.81-25	5.49-26	-2.44-25	2.02-25
ST. DEV.	1.80-25	1.39-25	1.19-25	1.03-25	9.40-26	8.37-26	8.96-26	9.93-26	9.84-26	1.15-25
S	1.86-01	8.43-02	3.25-02	2.95-03	5.29-03	1.80-03	4.45-03	1.35-03	-6.00-03	4.96-03
ST. DEV.	4.42-03	3.43-03	2.93-03	2.54-03	2.31-03	2.06-03	2.20-03	2.44-03	2.42-03	2.83-03
S/ALPHA	8.81-02	1.07-02	1.91-03	1.02-04	1.23-04	3.12-05	6.12-05	1.49-05	-5.87-05	4.49-05
ST. DEV.	2.09-03	4.37-04	1.72-04	8.76-05	5.38-05	3.56-05	3.03-05	2.69-05	2.37-05	2.57-05
BETA = 3.50+00										
ALPHA	2.06+00	7.75+00	1.68+01	2.87+01	4.26+01	5.73+01	7.21+01	9.00+01	1.01+02	1.09+02
SIGPAR	7.51-24	3.41-24	1.31-24	1.19-25	2.14-25	7.29-26	1.80-25	5.46-26	-2.43-25	2.00-25
ST. DEV.	1.78-25	1.38-25	1.18-25	1.03-25	9.34-26	8.32-26	8.90-26	9.87-26	9.77-26	1.14-25
S	1.45-01	6.58-02	2.53-02	2.30-03	4.13-03	1.41-03	3.47-03	1.05-03	-4.68-03	3.87-03
ST. DEV.	3.44-03	2.67-03	2.28-03	1.98-03	1.80-03	1.61-03	1.72-03	1.90-03	1.89-03	2.21-03
S/ALPHA	7.03-02	8.48-03	1.50-03	8.00-05	9.70-05	2.45-05	4.81-05	1.17-05	-4.62-05	3.53-05
ST. DEV.	1.67-03	3.45-04	1.35-04	6.90-05	4.24-05	2.80-05	2.38-05	2.12-05	1.86-05	2.02-05
BETA = 3.00+00										
ALPHA	2.02+00	7.66+00	1.67+01	2.85+01	4.22+01	5.68+01	7.15+01	8.93+01	1.00+02	1.08+02
SIGPAR	7.46-24	3.39-24	1.30-24	1.18-25	2.12-25	7.24-26	1.79-25	5.42-26	-2.41-25	1.99-25
ST. DEV.	1.77-25	1.38-25	1.17-25	1.02-25	9.28-26	8.26-26	8.84-26	9.80-26	9.71-26	1.14-25
S	1.13-01	5.13-02	1.97-02	1.79-03	3.22-03	1.10-03	2.71-03	8.21-04	-3.65-03	3.01-03
ST. DEV.	2.69-03	2.08-03	1.78-03	1.55-03	1.41-03	1.25-03	1.34-03	1.49-03	1.47-03	1.72-03
S/ALPHA	5.61-02	6.70-03	1.18-03	6.30-05	7.63-05	1.93-05	3.79-05	9.20-06	-3.63-05	2.78-05
ST. DEV.	1.33-03	2.72-04	1.07-04	5.43-05	3.33-05	2.20-05	1.87-05	1.66-05	1.46-05	1.59-05
BETA = 2.50+00										
ALPHA	1.98+00	7.57+00	1.65+01	2.82+01	4.18+01	5.63+01	7.09+01	8.85+01	9.96+01	1.07+02
SIGPAR	1.47-23	6.12-24	2.18-24	5.03-25	3.33-25	1.98-25	5.78-26	2.87-26	-1.24-25	1.63-25
ST. DEV.	1.66-25	1.21-25	9.76-26	8.34-26	7.33-26	6.53-26	6.78-26	7.47-26	7.33-26	8.58-26
S	1.75-01	7.28-02	2.59-02	5.98-03	3.97-03	2.35-03	6.87-04	3.42-04	-1.48-03	1.94-03
ST. DEV.	1.97-03	1.44-03	1.16-03	9.93-04	8.73-04	7.77-04	8.08-04	8.89-04	8.73-04	1.02-03
S/ALPHA	8.85-02	9.61-03	1.57-03	2.12-04	9.49-05	4.18-05	9.70-06	3.86-06	-1.48-05	1.80-05
ST. DEV.	9.97-04	1.90-04	7.04-05	3.52-05	2.09-05	1.38-05	1.14-05	1.00-05	8.76-06	9.50-06

				BETA =	2.00+00						
ALPHA	1.94+00	7.49+00	1.64+01	2.80+01	4.14+01	5.58+01	7.02+01	8.77+01	9.87+01	1.07+02	
SIGPAR	2.56-23	1.02-23	3.50-24	1.07-24	5.14-25	3.89-25	-1.09-25	-6.33-27	5.48-26	1.18-25	
ST. DEV.	3.16-25	2.21-25	1.69-25	1.41-25	1.19-25	1.06-25	1.06-25	1.15-25	1.12-25	1.30-25	
S	2.39-01	9.55-02	3.27-02	1.00-02	4.81-03	3.64-03	-1.02-03	-5.93-05	5.12-04	1.10-03	
ST. DEV.	2.95-03	2.07-03	1.58-03	1.32-03	1.12-03	9.91-04	9.90-04	1.08-03	1.04-03	1.22-03	
S/ALPHA	1.23-01	1.28-02	2.00-03	3.59-04	1.16-04	6.52-05	-1.46-05	-6.76-07	5.19-06	1.03-05	
ST. DEV.	1.52-03	2.76-04	9.64-05	4.73-05	2.69-05	1.78-05	1.41-05	1.23-05	1.06-05	1.14-05	

				BETA =	1.50+00						
ALPHA	1.91+00	7.41+00	1.62+01	2.77+01	4.10+01	5.53+01	6.96+01	8.69+01	9.79+01	1.06+02	
SIGPAR	2.54-23	1.01-23	3.47-24	1.07-24	5.11-25	3.86-25	-1.09-25	-6.29-27	5.44-26	1.17-25	
ST. DEV.	3.13-25	2.19-25	1.67-25	1.40-25	1.18-25	1.05-25	1.05-25	1.15-25	1.11-25	1.30-25	
S	1.86-01	7.45-02	2.55-02	7.84-03	3.75-03	2.84-03	-7.98-04	-4.62-05	3.99-04	8.58-04	
ST. DEV.	2.30-03	1.61-03	1.23-03	1.03-03	8.70-04	7.73-04	7.73-04	8.42-04	8.15-04	9.52-04	
S/ALPHA	9.77-02	1.01-02	1.58-03	2.83-04	9.14-05	5.13-05	-1.15-05	-5.32-07	4.08-06	8.13-06	
ST. DEV.	1.21-03	2.17-04	7.59-05	3.72-05	2.12-05	1.40-05	1.11-05	9.69-06	8.33-06	9.01-06	

				BETA =	1.00+00									
ALPHA	1.88+00	7.33+00	1.60+01	2.74+01	4.07+01	5.48+01	6.90+01	8.61+01	9.70+01	1.05+02				
SIGPAR	2.57-23	1.03-23	3.53-24	1.09-24	5.18-25	3.92-25	-1.02-25	1.33-27	5.73-26	1.12-25				
ST. DEV.	3.02-25	2.11-25	1.61-25	1.35-25	1.14-25	1.02-25	1.01-25	1.11-25	1.07-25	1.25-25				
S	1.48-01	5.95-02	2.04-02	6.30-03	2.99-03	2.26-03	-5.88-04	7.64-06	3.31-04	6.45-04				
ST. DEV.	1.74-03	1.22-03	9.31-04	7.82-04	6.59-04	5.86-04	5.85-04	6.38-04	6.18-04	7.21-04				
S/ALPHA	7.88-02	6.12-03	1.27-03	2.30-04	7.35-05	4.13-05	-8.53-06	8.87-08	3.41-06	6.16-06				
ST. DEV.	9.28-04	1.66-04	5.81-05	2.85-05	1.62-05	1.07-05	8.49-06	7.41-06	6.37-06	6.89-06				

	BETA = 5.00-01									
ALPHA	1.85+00	7.26+00	1.59+01	2.72+01	4.03+01	5.43+01	6.83+01	8.53+01	9.61+01	1.04+02
SIGPAR	4.14-23	1.81-23	6.37-24	2.20-24	8.84-25	6.80-25	7.65-26	2.36-25	1.52-25	-3.67-26
ST. DEV.	3.91-25	2.82-25	2.10-25	1.75-25	1.50-25	1.29-25	1.28-25	1.32-25	1.30-25	1.49-25
S	1.88-01	8.20-02	2.89-02	9.98-03	4.01-03	3.08-03	3.47-04	1.07-03	6.91-04	-1.67-04
ST. DEV.	1.77-03	1.28-03	9.54-04	7.92-04	6.79-04	5.87-04	5.80-04	6.00-04	5.89-04	6.74-04
S/ALPHA	1.01-01	1.13-02	1.82-03	3.67-04	9.96-05	5.68-05	5.08-06	1.26-05	7.20-06	-1.61-06
ST. DEV.	9.57-04	1.76-04	6.01-05	2.91-05	1.68-05	1.08-05	8.49-06	7.03-06	6.13-06	6.50-06

BETA = 3.87×10^{-6}

ALPHA	1.84+00	7.19+00	1.57+01	2.69+01	3.99+01	5.39+01	6.77+01	8.45+01	9.52+01	1.03+02
SIGPAR	4.11-23	1.80-23	6.32-24	2.18-24	8.78-25	6.75-25	7.59-26	2.34-25	1.51-25	-3.65-26
ST. DEV.	3.88-25	2.80-25	2.09-25	1.73-25	1.49-25	1.28-25	1.27-25	1.31-25	1.29-25	1.47-25
S	1.47-01	6.40-02	2.25-02	7.78-03	3.13-03	2.41-03	2.71-04	8.36-04	5.39-04	-1.30-04
ST. DEV.	1.38-03	9.96-04	7.45-04	6.18-04	5.30-04	4.58-04	4.53-04	4.68-04	4.59-04	5.26-04
S/ALPHA	7.99-02	8.90-03	1.43-03	2.89-04	7.84-05	4.47-05	4.00-06	9.89-06	5.67-06	-1.27-06
ST. DEV.	7.54-04	1.39-04	4.73-05	2.30-05	1.33-05	8.51-06	6.68-06	5.54-06	4.83-06	5.12-06

BETA = -5.00×10^{-1}

ALPHA	1.82+00	7.12+00	1.56+01	2.67+01	3.95+01	5.33+01	6.71+01	8.37+01	9.43+01	1.02+02
SIGPAR	4.08-23	1.78-23	6.28-24	2.17-24	8.71-25	6.70-25	7.54-26	2.33-25	1.50-25	-3.62-26
ST. DEV.	3.85-25	2.77-25	2.07-25	1.72-25	1.47-25	1.27-25	1.26-25	1.30-25	1.28-25	1.46-25
S	1.14-01	4.99-02	1.76-02	6.07-03	2.44-03	1.88-03	2.11-04	6.52-04	4.21-04	-1.01-04
ST. DEV.	1.08-03	7.78-04	5.81-04	4.82-04	4.13-04	3.57-04	3.53-04	3.65-04	3.58-04	4.10-04
S/ALPHA	6.29-02	7.01-03	1.13-03	2.28-04	6.18-05	3.52-05	3.15-06	7.79-06	4.46-06	-9.97-07
ST. DEV.	5.94-04	1.09-04	3.73-05	1.81-05	1.05-05	6.71-06	5.27-06	4.36-06	3.80-06	4.03-06

BETA = -1.00×10^0

ALPHA	1.81+00	7.06+00	1.54+01	2.64+01	3.92+01	5.28+01	6.64+01	8.30+01	9.34+01	1.01+02
SIGPAR	3.45-23	1.91-23	7.99-24	3.01-24	1.46-24	7.78-25	3.71-25	6.09-25	2.08-25	2.23-25
ST. DEV.	3.27-25	2.65-25	2.11-25	1.78-25	1.55-25	1.39-25	1.39-25	1.41-25	1.40-25	1.55-25
S	7.60-02	4.22-02	1.76-02	6.64-03	3.22-03	1.71-03	8.17-04	1.34-03	4.58-04	4.92-04
ST. DEV.	7.20-04	5.64-04	4.65-04	3.92-04	3.41-04	3.06-04	3.06-04	3.12-04	3.08-04	3.42-04
S/ALPHA	4.20-02	5.97-03	1.14-03	2.51-04	8.22-05	3.25-05	1.23-05	1.62-05	4.91-06	4.88-06
ST. DEV.	3.98-04	8.27-05	3.01-05	1.49-05	8.71-06	5.81-06	4.61-06	3.76-06	3.29-06	3.39-06

BETA = -1.50×10^0

ALPHA	1.80+00	7.00+00	1.53+01	2.62+01	3.88+01	5.23+01	6.58+01	8.22+01	9.25+01	9.98+01
SIGPAR	3.38-23	1.91-23	8.04-24	3.04-24	1.49-24	7.79-25	3.87-25	6.28-25	2.10-25	2.37-25
ST. DEV.	3.43-25	2.79-25	2.22-25	1.87-25	1.63-25	1.46-25	1.46-25	1.49-25	1.47-25	1.63-25
S	5.87-02	3.31-02	1.39-02	5.27-03	2.57-03	1.35-03	6.71-04	1.09-03	3.64-04	4.11-04
ST. DEV.	5.95-04	4.83-04	3.85-04	3.25-04	2.82-04	2.53-04	2.53-04	2.58-04	2.54-04	2.83-04
S/ALPHA	3.25-02	4.72-03	9.10-04	2.01-04	6.64-05	2.58-05	1.02-05	1.32-05	3.93-06	4.12-06
ST. DEV.	3.30-04	6.89-05	2.51-05	1.24-05	7.28-06	4.85-06	3.85-06	3.14-06	2.75-06	2.83-06

BETA = -2.00+00

ALPHA	1.80+00	6.95+00	1.52+01	2.59+01	3.84+01	5.18+01	6.52+01	8.13+01	9.16+01	9.88+01
SIGPAR	3.22-23	1.67-23	8.09-24	3.09-24	1.53-24	8.12-25	4.12-25	6.17-25	2.43-25	2.45-25
ST. DEV.	3.05-25	2.48-25	1.98-25	1.67-25	1.45-25	1.31-25	1.30-25	1.33-25	1.31-25	1.46-25
S	4.39-02	2.56-02	1.10-02	4.21-03	2.08-03	1.11-03	5.62-04	8.41-04	3.32-04	3.34-04
ST. DEV.	4.16-04	3.38-04	2.70-04	2.28-04	1.98-04	1.78-04	1.78-04	1.81-04	1.79-04	1.99-04
S/ALPHA	2.44-02	3.68-03	7.27-04	1.62-04	5.42-05	2.14-05	8.62-06	1.03-05	3.62-06	3.38-06
ST. DEV.	2.31-04	4.87-05	1.78-05	8.79-06	5.16-06	3.44-06	2.73-06	2.23-06	1.95-06	2.01-06

BETA = -2.50+00

ALPHA	1.81+00	6.90+00	1.50+01	2.57+01	3.81+01	5.13+01	6.45+01	8.05+01	9.07+01	9.79+01
SIGPAR	2.12-23	1.71-23	8.93-24	3.61-24	1.96-24	1.10-24	6.47-25	5.56-25	5.27-25	3.09-25
ST. DEV.	2.73-25	2.57-25	2.16-25	1.89-25	1.65-25	1.56-25	1.50-25	1.59-25	1.60-25	1.80-25
S	2.27-02	1.83-02	9.58-03	3.88-03	2.10-03	1.18-03	6.93-04	5.96-04	5.65-04	3.32-04
ST. DEV.	2.92-04	2.75-04	2.32-04	2.02-04	1.77-04	1.67-04	1.61-04	1.71-04	1.72-04	1.93-04
S/ALPHA	1.26-02	2.65-03	6.37-04	1.51-04	5.53-05	2.29-05	1.07-05	7.40-06	6.23-06	3.39-06
ST. DEV.	1.62-04	3.99-05	1.54-05	7.88-06	4.66-06	3.26-06	2.49-06	2.12-06	1.90-06	1.98-06

BETA = -3.00+00

ALPHA	1.82+00	6.86+00	1.49+01	2.55+01	3.77+01	5.08+01	6.39+01	7.97+01	8.98+01	9.69+01
SIGPAR	2.10-23	1.69-23	8.86-24	3.58-24	1.95-24	1.09-24	6.41-25	5.51-25	5.23-25	3.07-25
ST. DEV.	2.70-25	2.55-25	2.15-25	1.87-25	1.64-25	1.55-25	1.49-25	1.58-25	1.59-25	1.79-25
S	1.77-02	1.43-02	7.47-03	3.03-03	1.64-03	9.18-04	5.41-04	4.65-04	4.41-04	2.59-04
ST. DEV.	2.28-04	2.15-04	1.81-04	1.58-04	1.38-04	1.31-04	1.25-04	1.33-04	1.34-04	1.51-04
S/ALPHA	9.75-03	2.08-03	5.01-04	1.19-04	4.36-05	1.81-05	8.47-06	5.83-06	4.91-06	2.67-06
ST. DEV.	1.25-04	3.13-05	1.21-05	6.20-06	3.67-06	2.57-06	1.96-06	1.67-06	1.49-06	1.56-06

BETA = -3.50+00

ALPHA	1.83+00	6.82+00	1.48+01	2.52+01	3.73+01	5.03+01	6.32+01	7.89+01	8.88+01	9.59+01
SIGPAR	1.73-23	1.63-23	8.96-24	3.79-24	2.00-24	9.63-25	7.76-25	6.87-25	4.36-25	4.36-25
ST. DEV.	1.78-25	1.75-25	1.49-25	1.31-25	1.15-25	1.10-25	1.02-25	1.14-25	1.14-25	1.30-25
S	1.15-02	1.08-02	5.95-03	2.51-03	1.33-03	6.40-04	5.15-04	4.56-04	2.90-04	2.90-04
ST. DEV.	1.18-04	1.16-04	9.93-05	8.71-05	7.65-05	7.28-05	6.81-05	7.56-05	7.59-05	8.66-05
S/ALPHA	6.27-03	1.59-03	4.02-04	9.97-05	3.56-05	1.27-05	8.15-06	5.78-06	3.26-06	3.02-06
ST. DEV.	6.43-05	1.71-05	6.71-06	3.45-06	2.05-06	1.45-06	1.08-06	9.58-07	8.54-07	9.04-07

BETA = -4.00+00

ALPHA	1.86+00	6.79+00	1.47+01	2.50+01	3.70+01	4.97+01	6.26+01	7.81+01	8.79+01	9.49+01
SIGPAR	1.37-23	1.57-23	9.06-24	3.97-24	2.06-24	8.33-25	9.00-25	8.14-25	3.56-25	5.62-25
ST. DEV.	2.30-25	2.41-25	2.08-25	1.83-25	1.61-25	1.55-25	1.41-25	1.63-25	1.64-25	1.90-25
S	7.18-03	8.19-03	4.74-03	2.08-03	1.08-03	4.36-04	4.70-04	4.26-04	1.86-04	2.94-04
ST. DEV.	1.20-04	1.26-04	1.09-04	9.59-05	8.44-05	8.11-05	7.38-05	8.54-05	8.57-05	9.92-05
S/ALPHA	3.87-03	1.21-03	3.23-04	8.32-05	2.91-05	8.75-06	7.52-06	5.45-06	2.12-06	3.10-06
ST. DEV.	6.49-05	1.85-05	7.41-06	3.84-06	2.28-06	1.63-06	1.18-06	1.09-06	9.75-07	1.05-06

BETA = -4.50+00

ALPHA	1.88+00	6.76+00	1.46+01	2.48+01	3.66+01	4.92+01	6.19+01	7.73+01	8.70+01	9.39+01
SIGPAR	1.32-23	1.53-23	8.99-24	3.99-24	2.02-24	8.21-25	8.84-25	8.22-25	3.81-25	5.81-25
ST. DEV.	2.07-25	2.17-25	1.88-25	1.66-25	1.46-25	1.40-25	1.28-25	1.48-25	1.48-25	1.71-25
S	5.44-03	6.31-03	3.70-03	1.64-03	8.31-04	3.38-04	3.64-04	3.38-04	1.57-04	2.39-04
ST. DEV.	8.54-05	8.93-05	7.73-05	6.82-05	6.01-05	5.76-05	5.26-05	6.07-05	6.09-05	7.05-05
S/ALPHA	2.89-03	9.32-04	2.54-04	6.63-05	2.27-05	6.87-06	5.88-06	4.38-06	1.80-06	2.55-06
ST. DEV.	4.54-05	1.32-05	5.31-06	2.76-06	1.64-06	1.17-06	8.49-07	7.86-07	7.00-07	7.51-07

BETA = -5.00+00

ALPHA	1.92+00	6.74+00	1.44+01	2.45+01	3.62+01	4.87+01	6.13+01	7.65+01	8.61+01	9.28+01
SIGPAR	9.48-24	1.33-23	8.89-24	4.36-24	1.79-24	8.00-25	8.06-25	1.01-24	5.33-25	8.16-25
ST. DEV.	2.03-25	2.26-25	2.05-25	1.82-25	1.60-25	1.50-25	1.39-25	1.63-25	1.70-25	1.92-25
S	3.08-03	4.31-03	2.88-03	1.41-03	5.82-04	2.59-04	2.61-04	3.29-04	1.73-04	2.65-04
ST. DEV.	6.60-05	7.34-05	6.66-05	5.91-05	5.19-05	4.88-05	4.50-05	5.27-05	5.51-05	6.23-05
S/ALPHA	1.61-03	6.40-04	2.00-04	5.76-05	1.61-05	5.32-06	4.27-06	4.30-06	2.01-06	2.85-06
ST. DEV.	3.44-05	1.09-05	4.61-06	2.41-06	1.43-06	1.00-06	7.33-07	6.90-07	6.40-07	6.71-07

BETA = -5.50+00

ALPHA	1.96+00	6.72+00	1.43+01	2.43+01	3.59+01	4.82+01	6.06+01	7.56+01	8.51+01	9.18+01
SIGPAR	9.40-24	1.32-23	8.81-24	4.32-24	1.78-24	7.93-25	7.99-25	1.00-24	5.28-25	8.08-25
ST. DEV.	2.02-25	2.24-25	2.04-25	1.80-25	1.59-25	1.49-25	1.37-25	1.61-25	1.68-25	1.90-25
S	2.40-03	3.37-03	2.25-03	1.10-03	4.54-04	2.03-04	2.04-04	2.57-04	1.35-04	2.07-04
ST. DEV.	5.15-05	5.73-05	5.20-05	4.61-05	4.05-05	3.81-05	3.51-05	4.12-05	4.30-05	4.87-05
S/ALPHA	1.23-03	5.01-04	1.57-04	4.54-05	1.27-05	4.20-06	3.37-06	3.40-06	1.59-06	2.25-06
ST. DEV.	2.63-05	8.52-06	3.63-06	1.90-06	1.13-06	7.89-07	5.79-07	5.45-07	5.05-07	5.30-07

				BETA	= -6.00+00						
ALPHA	2.00+00	6.71+00	1.42+01	2.41+01	3.55+01	4.77+01	6.00+01	7.48+01	8.42+01	9.08+01	
SIGPAR	6.52-24	1.11-23	8.68-24	4.64-24	1.77-24	1.11-24	1.38-24	7.47-25	5.96-25	4.20-25	
ST. DEV.	1.64-25	1.88-25	1.81-25	1.58-25	1.43-25	1.30-25	1.27-25	1.41-25	1.45-25	1.67-25	
S	1.31-03	2.23-03	1.75-03	9.34-04	3.57-04	2.23-04	2.77-04	1.50-04	1.20-04	8.46-05	
ST. DEV.	3.31-05	3.79-05	3.64-05	3.18-05	2.88-05	2.63-05	2.57-05	2.85-05	2.92-05	3.37-05	
S/ALPHA	6.56-04	3.32-04	1.23-04	3.88-05	1.01-05	4.67-06	4.62-06	2.01-06	1.43-06	9.32-07	
ST. DEV.	1.65-05	5.64-06	2.55-06	1.32-06	8.10-07	5.50-07	4.28-07	3.81-07	3.47-07	3.71-07	

BETA = -6.50+00										
ALPHA	2.05+00	6.71+00	1.41+01	2.39+01	3.52+01	4.72+01	5.93+01	7.40+01	8.32+01	8.98+01
SIGPAR	6.08-24	1.07-23	8.60-24	4.64-24	1.75-24	1.14-24	1.45-24	7.08-25	6.01-25	3.62-25
ST. DEV.	1.84-25	2.11-25	2.03-25	1.77-25	1.60-25	1.47-25	1.43-25	1.59-25	1.63-25	1.88-25
S	9.65-04	1.70-03	1.36-03	7.37-04	2.79-04	1.81-04	2.31-04	1.12-04	9.55-05	5.75-05
ST. DEV.	2.92-05	3.34-05	3.22-05	2.82-05	2.55-05	2.33-05	2.27-05	2.52-05	2.58-05	2.98-05
S/ALPHA	4.70-04	2.53-04	9.65-05	3.09-05	7.93-06	3.83-06	3.89-06	1.52-06	1.15-06	6.41-07
ST. DEV.	1.42-05	4.98-06	2.27-06	1.18-06	7.25-07	4.93-07	3.83-07	3.41-07	3.10-07	3.32-07

				BETA = -7.00+00							
ALPHA	2.11+00	6.71+00	1.40+01	2.37+01	3.48+01	4.67+01	5.87+01	7.31+01	8.23+01	8.87+01	
SIGPAR	5.21-24	9.53-24	8.91-24	4.67-24	2.03-24	1.17-24	1.20-24	1.00-24	6.48-25	7.56-25	
ST. DEV.	1.55-25	1.74-25	1.74-25	1.54-25	1.36-25	1.29-25	1.13-25	1.33-25	1.36-25	1.64-25	
S	6.52-04	1.19-03	1.12-03	5.85-04	2.54-04	1.47-04	1.50-04	1.26-04	8.11-05	9.47-05	
ST. DEV.	1.94-05	2.17-05	2.18-05	1.92-05	1.70-05	1.61-05	1.41-05	1.67-05	1.71-05	2.05-05	
S/ALPHA	3.08-04	1.78-04	7.94-05	2.47-05	7.31-06	3.15-06	2.56-06	1.72-06	9.86-07	1.07-06	
ST. DEV.	9.16-06	3.24-06	1.55-06	8.13-07	4.89-07	3.45-07	2.40-07	2.28-07	2.07-07	2.31-07	

BETA = -7.50+00										
ALPHA	2.18+00	6.72+00	1.40+01	2.34+01	3.45+01	4.62+01	5.80+01	7.23+01	8.13+01	8.77+01
SIGPAR	4.97-24	9.21-24	8.90-24	4.65-24	2.07-24	1.18-24	1.14-24	1.05-24	6.69-25	8.31-25
ST. DEV.	1.83-25	2.05-25	2.06-25	1.82-25	1.61-25	1.52-25	1.33-25	1.58-25	1.61-25	1.94-25
S	4.91-04	9.09-04	8.79-04	4.60-04	2.05-04	1.17-04	1.13-04	1.04-04	6.61-05	8.20-05
ST. DEV.	1.80-05	2.03-05	2.04-05	1.80-05	1.59-05	1.51-05	1.31-05	1.56-05	1.59-05	1.92-05
S/ALPHA	2.25-04	1.35-04	6.30-05	1.96-05	5.94-06	2.53-06	1.95-06	1.43-06	8.13-07	9.35-07
ST. DEV.	8.28-06	3.02-06	1.46-06	7.68-07	4.62-07	3.26-07	2.26-07	2.16-07	1.96-07	2.18-07

BETA = -8.00+00

ALPHA	2.25+00	6.73+00	1.39+01	2.32+01	3.41+01	4.57+01	5.74+01	7.14+01	8.03+01	8.66+01
SIGPAR	4.90-24	8.81-24	8.56-24	4.78-24	2.10-24	9.05-25	9.25-25	8.20-25	4.96-25	6.22-25
ST. DEV.	1.73-25	1.94-25	1.89-25	1.75-25	1.49-25	1.40-25	1.22-25	1.47-25	1.55-25	1.87-25
S	3.82-04	6.86-04	6.67-04	3.73-04	1.64-04	7.05-05	7.21-05	6.39-05	3.87-05	4.85-05
ST. DEV.	1.35-05	1.51-05	1.48-05	1.37-05	1.16-05	1.09-05	9.52-06	1.14-05	1.21-05	1.46-05
S/ALPHA	1.69-04	1.02-04	4.80-05	1.60-05	4.80-06	1.54-06	1.26-06	8.94-07	4.81-07	5.60-07
ST. DEV.	5.99-06	2.25-06	1.06-06	5.88-07	3.41-07	2.39-07	1.66-07	1.60-07	1.51-07	1.68-07

BETA = -8.50+00

ALPHA	2.34+00	6.75+00	1.38+01	2.30+01	3.38+01	4.52+01	5.67+01	7.06+01	7.94+01	8.56+01
SIGPAR	4.79-24	8.63-24	8.42-24	4.82-24	2.08-24	9.14-25	8.81-25	7.49-25	5.08-25	5.79-25
ST. DEV.	1.65-25	1.86-25	1.81-25	1.68-25	1.43-25	1.34-25	1.16-25	1.40-25	1.48-25	1.79-25
S	2.95-04	5.31-04	5.18-04	2.96-04	1.28-04	5.63-05	5.42-05	4.61-05	3.12-05	3.56-05
ST. DEV.	1.02-05	1.14-05	1.12-05	1.03-05	8.82-06	8.26-06	7.16-06	8.63-06	9.13-06	1.10-05
S/ALPHA	1.26-04	7.86-05	3.75-05	1.29-05	3.80-06	1.24-06	9.56-07	6.53-07	3.93-07	4.16-07
ST. DEV.	4.35-06	1.69-06	8.08-07	4.49-07	2.61-07	1.83-07	1.26-07	1.22-07	1.15-07	1.28-07

BETA = -9.00+00

ALPHA	2.43+00	6.78+00	1.37+01	2.28+01	3.34+01	4.47+01	5.60+01	6.97+01	7.84+01	8.45+01
SIGPAR	4.33-24	8.26-24	8.21-24	5.07-24	2.05-24	1.04-24	7.78-25	5.23-25	6.56-25	4.33-25
ST. DEV.	1.90-25	2.11-25	2.11-25	1.97-25	1.65-25	1.59-25	1.39-25	1.66-25	1.65-25	2.06-25
S	2.11-04	4.01-04	3.99-04	2.46-04	9.98-05	5.07-05	3.78-05	2.54-05	3.18-05	2.11-05
ST. DEV.	9.21-06	1.03-05	1.03-05	9.56-06	8.04-06	7.74-06	6.76-06	8.06-06	8.03-06	1.00-05
S/ALPHA	8.68-05	5.92-05	2.90-05	1.08-05	2.99-06	1.14-06	6.75-07	3.64-07	4.06-07	2.49-07
ST. DEV.	3.80-06	1.51-06	7.46-07	4.19-07	2.41-07	1.73-07	1.21-07	1.16-07	1.02-07	1.18-07

BETA = -9.50+00

ALPHA	2.52+00	6.82+00	1.37+01	2.26+01	3.31+01	4.42+01	5.54+01	6.89+01	7.74+01	8.35+01
SIGPAR	4.05-24	7.78-24	7.93-24	4.96-24	2.22-24	1.02-24	7.90-25	4.70-25	6.04-25	5.34-25
ST. DEV.	1.36-25	1.47-25	1.51-25	1.41-25	1.19-25	1.16-25	9.60-26	1.18-25	1.22-25	1.48-25
S	1.56-04	2.99-04	3.04-04	1.90-04	8.53-05	3.93-05	3.03-05	1.80-05	2.32-05	2.05-05
ST. DEV.	5.23-06	5.65-06	5.79-06	5.41-06	4.59-06	4.45-06	3.68-06	4.52-06	4.69-06	5.69-06
S/ALPHA	6.16-05	4.38-05	2.22-05	8.40-06	2.58-06	8.90-07	5.48-07	2.62-07	2.99-07	2.46-07
ST. DEV.	2.07-06	8.29-07	4.24-07	2.39-07	1.39-07	1.01-07	6.65-08	6.56-08	6.05-08	6.81-08

				BETA = -1.00+01							
ALPHA	2.63+00	6.86+00	1.36+01	2.25+01	3.27+01	4.37+01	5.47+01	6.80+01	7.64+01	8.24+01	
SIGPAR	3.76-24	7.28-24	7.69-24	4.84-24	2.41-24	1.02-24	8.07-25	4.22-25	5.59-25	6.66-25	
ST. DEV.	1.94-25	2.04-25	2.15-25	2.01-25	1.72-25	1.68-25	1.32-25	1.66-25	1.79-25	2.13-25	
S	1.14-04	2.21-04	2.33-04	1.47-04	7.31-05	3.10-05	2.45-05	1.28-05	1.69-05	2.02-05	
ST. DEV.	5.89-06	6.17-06	6.53-06	6.10-06	5.20-06	5.08-06	4.01-06	5.04-06	5.43-06	6.46-06	
S/ALPHA	4.33-05	3.22-05	1.71-05	6.54-06	2.23-06	7.10-07	4.47-07	1.88-07	2.22-07	2.45-07	
ST. DEV.	2.24-06	5.00-07	4.80-07	2.72-07	1.59-07	1.16-07	7.33-08	7.41-08	7.11-08	7.84-08	

				BETA = -1.05+01							
ALPHA	2.75+00	6.92+00	1.36+01	2.23+01	3.24+01	4.32+01	5.40+01	6.71+01	7.54+01	8.13+01	
SIGPAR	3.17-24	6.06-24	7.02-24	5.08-24	2.93-24	1.34-24	1.19-24	4.15-25	3.38-25	7.30-25	
ST. DEV.	1.81-25	1.94-25	2.07-25	1.96-25	1.70-25	1.61-25	1.33-25	1.65-25	1.70-25	2.06-25	
S	7.59-05	1.45-04	1.68-04	1.22-04	7.04-05	3.21-05	2.85-05	9.94-06	8.10-06	1.75-05	
ST. DEV.	4.35-06	4.66-06	4.96-06	4.69-06	4.08-06	3.86-06	3.19-06	3.96-06	4.08-06	4.95-06	
S/ALPHA	2.76-05	2.10-05	1.24-05	5.46-06	2.17-06	7.43-07	5.27-07	1.48-07	1.07-07	2.15-07	
ST. DEV.	1.58-06	6.74-07	3.66-07	2.11-07	1.26-07	8.93-08	5.90-08	5.90-08	5.42-08	6.09-08	

				BETA = -1.10+01							
ALPHA	2.88+00	6.98+00	1.35+01	2.21+01	3.20+01	4.27+01	5.34+01	6.62+01	7.44+01	8.02+01	
SIGPAR	2.70-24	5.64-24	6.87-24	5.12-24	3.03-24	1.30-24	1.07-24	4.76-25	5.16-25	6.77-25	
ST. DEV.	1.37-25	1.45-25	1.55-25	1.53-25	1.30-25	1.23-25	1.01-25	1.26-25	1.29-25	1.60-25	
S	5.12-05	1.07-04	1.30-04	9.71-05	5.75-05	2.47-05	2.02-05	9.03-06	9.79-06	1.28-05	
ST. DEV.	2.61-06	2.76-06	2.95-06	2.90-06	2.46-06	2.33-06	1.92-06	2.39-06	2.45-06	3.04-06	
S/ALPHA	1.78-05	1.53-05	9.63-06	4.39-06	1.79-06	5.78-07	3.79-07	1.36-07	1.32-07	1.60-07	
ST. DEV.	9.07-07	3.95-07	2.18-07	1.31-07	7.67-08	5.45-08	3.61-08	3.61-08	3.30-08	3.79-08	

				BETA = -1.15+01							
ALPHA	3.01+00	7.05+00	1.35+01	2.19+01	3.17+01	4.22+01	5.27+01	6.54+01	7.34+01	7.91+01	
SIGPAR	2.29-24	5.22-24	6.78-24	5.16-24	3.12-24	1.27-24	9.27-25	5.03-25	6.66-25	5.79-25	
ST. DEV.	1.68-25	1.75-25	1.90-25	1.91-25	1.59-25	1.51-25	1.26-25	1.57-25	1.59-25	2.01-25	
S	3.45-05	7.84-05	1.02-04	7.75-05	4.69-05	1.90-05	1.39-05	7.55-06	1.00-05	8.69-06	
ST. DEV.	2.53-06	2.62-06	2.85-06	2.86-06	2.38-06	2.27-06	1.89-06	2.35-06	2.38-06	3.01-06	
S/ALPHA	1.14-05	1.11-05	7.55-06	3.53-06	1.48-06	4.51-07	2.64-07	1.16-07	1.36-07	1.10-07	
ST. DEV.	8.39-07	3.72-07	2.11-07	1.31-07	7.51-08	5.38-08	3.59-08	3.60-08	3.25-08	3.81-08	

BETA = -1.20+01

ALPHA	3.16+00	7.13+00	1.35+01	2.18+01	3.14+01	4.17+01	5.20+01	6.45+01	7.24+01	7.80+01
SIGPAR	2.27-24	4.95-24	6.91-24	5.34-24	3.39-24	1.28-24	1.12-24	4.58-25	5.81-25	4.80-25
ST. DEV.	2.06-25	2.09-25	2.29-25	2.26-25	1.95-25	1.78-25	1.58-25	1.89-25	1.91-25	2.43-25
S	2.70-05	5.89-05	8.21-05	6.35-05	4.04-05	1.52-05	1.33-05	5.44-06	6.91-06	5.71-06
ST. DEV.	2.45-06	2.49-06	2.72-06	2.68-06	2.32-06	2.11-06	1.88-06	2.25-06	2.27-06	2.89-06
S/ALPHA	8.55-06	8.26-06	6.10-06	2.92-06	1.29-06	3.65-07	2.56-07	8.44-08	9.54-08	7.32-08
ST. DEV.	7.76-07	3.49-07	2.02-07	1.23-07	7.39-08	5.06-08	3.62-08	3.49-08	3.14-08	3.70-08

BETA = -1.25+01

ALPHA	3.32+00	7.22+00	1.34+01	2.16+01	3.11+01	4.12+01	5.13+01	6.36+01	7.13+01	7.68+01
SIGPAR	2.24-24	4.06-24	6.55-24	5.37-24	2.94-24	1.48-24	1.12-24	7.62-25	7.43-25	4.68-25
ST. DEV.	1.86-25	1.89-25	2.05-25	2.03-25	1.78-25	1.67-25	1.50-25	1.74-25	1.82-25	2.24-25
S	2.11-05	3.82-05	6.17-05	5.06-05	2.77-05	1.39-05	1.05-05	7.18-06	7.00-06	4.41-06
ST. DEV.	1.75-06	1.78-06	1.93-06	1.92-06	1.68-06	1.57-06	1.42-06	1.64-06	1.72-06	2.11-06
S/ALPHA	6.37-06	5.30-06	4.59-06	2.34-06	8.92-07	3.39-07	2.06-07	1.13-07	9.82-08	5.74-08
ST. DEV.	5.27-07	2.46-07	1.44-07	8.88-08	5.41-08	3.82-08	2.76-08	2.57-08	2.41-08	2.74-08

BETA = -1.30+01

ALPHA	3.49+00	7.32+00	1.34+01	2.14+01	3.07+01	4.07+01	5.06+01	6.27+01	7.03+01	7.57+01
SIGPAR	1.99-24	3.92-24	5.87-24	5.17-24	2.90-24	1.61-24	9.57-25	7.93-25	6.26-25	1.85-25
ST. DEV.	1.64-25	1.65-25	1.75-25	1.82-25	1.56-25	1.42-25	1.31-25	1.56-25	1.57-25	1.97-25
S	1.49-05	2.93-05	4.38-05	3.86-05	2.17-05	1.20-05	7.15-06	5.92-06	4.68-06	1.38-06
ST. DEV.	1.22-06	1.23-06	1.30-06	1.36-06	1.16-06	1.06-06	9.82-07	1.16-06	1.18-06	1.47-06
S/ALPHA	4.27-06	4.00-06	3.26-06	1.80-06	7.06-07	2.96-07	1.41-07	9.45-08	6.65-08	1.83-08
ST. DEV.	3.51-07	1.69-07	9.71-08	6.33-08	3.79-08	2.60-08	1.94-08	1.86-08	1.67-08	1.95-08

BETA = -1.35+01

ALPHA	3.67+00	7.43+00	1.34+01	2.13+01	3.04+01	4.02+01	4.99+01	6.18+01	6.92+01	7.45+01
SIGPAR	1.92-24	3.86-24	5.36-24	4.99-24	3.13-24	1.67-24	1.09-24	8.57-25	2.98-25	4.61-25
ST. DEV.	1.61-25	1.58-25	1.70-25	1.74-25	1.53-25	1.41-25	1.28-25	1.48-25	1.49-25	1.97-25
S	1.14-05	2.29-05	3.18-05	2.95-05	1.86-05	9.89-06	6.44-06	5.08-06	1.76-06	2.73-06
ST. DEV.	9.55-07	9.35-07	1.00-06	1.03-06	9.08-07	8.35-07	7.61-07	8.77-07	8.82-07	1.17-06
S/ALPHA	3.09-06	3.08-06	2.36-06	1.39-06	6.10-07	2.46-07	1.29-07	8.23-08	2.55-08	3.67-08
ST. DEV.	2.60-07	1.26-07	7.48-08	4.85-08	2.99-08	2.08-08	1.52-08	1.42-08	1.27-08	1.57-08

BETA = -1.40+01

ALPHA	3.87+00	7.56+00	1.34+01	2.11+01	3.01+01	3.97+01	4.92+01	6.08+01	6.82+01	7.34+01
SIGPAR	1.84-24	3.60-24	5.37-24	5.13-24	3.33-24	1.94-24	1.25-24	6.75-25	3.98-25	6.19-25
ST. DEV.	1.59-25	1.55-25	1.73-25	1.78-25	1.56-25	1.47-25	1.31-25	1.51-25	1.53-25	2.01-25
S	8.65-06	1.69-05	2.53-05	2.42-05	1.57-05	9.14-06	5.90-06	3.17-06	1.87-06	2.91-06
ST. DEV.	7.47-07	7.31-07	8.15-07	8.36-07	7.33-07	6.94-07	6.16-07	7.11-07	7.18-07	9.47-07
S/ALPHA	2.24-06	2.24-06	1.88-06	1.14-06	5.20-07	2.30-07	1.20-07	5.22-08	2.75-08	3.97-08
ST. DEV.	1.93-07	9.68-08	6.06-08	3.95-08	2.44-08	1.75-08	1.25-08	1.17-08	1.05-08	1.29-08

BETA = -1.45+01

ALPHA	4.08+00	7.69+00	1.35+01	2.10+01	2.98+01	3.91+01	4.85+01	5.99+01	6.71+01	7.22+01
SIGPAR	1.66-24	3.39-24	5.08-24	5.28-24	3.32-24	2.32-24	1.27-24	4.44-25	5.25-25	6.17-25
ST. DEV.	1.66-25	1.61-25	1.74-25	1.81-25	1.63-25	1.53-25	1.36-25	1.63-25	1.62-25	2.04-25
S	6.19-06	1.27-05	1.90-05	1.97-05	1.24-05	8.65-06	4.76-06	1.66-06	1.96-06	2.31-06
ST. DEV.	6.22-07	6.02-07	6.52-07	3.76-07	6.11-07	5.74-07	5.09-07	6.08-07	6.05-07	7.63-07
S/ALPHA	1.52-06	1.65-06	1.41-06	9.39-07	4.17-07	2.21-07	9.81-08	2.77-08	2.92-08	3.19-08
ST. DEV.	1.53-07	7.83-08	4.85-08	3.22-08	2.05-08	1.47-08	1.05-08	1.01-08	9.02-09	1.06-08

BETA = -1.50+01

ALPHA	4.30+00	7.84+00	1.35+01	2.09+01	2.95+01	3.86+01	4.78+01	5.90+01	6.60+01	7.10+01
SIGPAR	1.67-24	3.43-24	4.73-24	4.63-24	3.51-24	2.04-24	1.21-24	5.96-25	5.18-25	4.06-25
ST. DEV.	1.79-25	1.66-25	1.86-25	1.94-25	1.76-25	1.61-25	1.48-25	1.75-25	1.74-25	2.18-25
S	4.95-06	1.02-05	1.40-05	1.38-05	1.04-05	6.07-06	3.61-06	1.77-06	1.54-06	1.21-06
ST. DEV.	5.31-07	4.93-07	5.53-07	5.75-07	5.23-07	4.77-07	4.40-07	5.21-07	5.19-07	6.47-07
S/ALPHA	1.15-06	1.30-06	1.04-06	6.60-07	3.54-07	1.57-07	7.55-08	3.00-08	2.33-08	1.70-08
ST. DEV.	1.23-07	6.29-08	4.10-08	2.75-08	1.77-08	1.24-08	9.20-09	8.83-09	7.86-09	9.12-09

BETA = -1.55+01

ALPHA	4.54+00	8.01+00	1.35+01	2.08+01	2.92+01	3.81+01	4.71+01	5.80+01	6.49+01	6.98+01
SIGPAR	2.22-24	3.25-24	4.66-24	4.98-24	3.55-24	1.67-24	1.38-24	8.67-25	7.28-25	3.12-25
ST. DEV.	2.00-25	1.93-25	2.04-25	2.17-25	1.99-25	1.86-25	1.66-25	1.96-25	1.98-25	2.51-25
S	5.24-06	7.69-06	1.10-05	1.18-05	8.40-06	3.94-06	3.26-06	2.05-06	1.72-06	7.37-07
ST. DEV.	4.74-07	4.57-07	4.83-07	5.15-07	4.71-07	4.40-07	3.92-07	4.64-07	4.69-07	5.95-07
S/ALPHA	1.15-06	9.60-07	8.15-07	5.67-07	2.88-07	1.03-07	6.92-08	3.53-08	2.65-08	1.06-08
ST. DEV.	1.04-07	5.71-08	3.57-08	2.48-08	1.61-08	1.15-08	8.32-09	7.99-09	7.23-09	8.52-09

BETA = -1.60+01

ALPHA	4.80+00	2.18+00	1.36+01	2.07+01	2.89+01	3.76+01	4.64+01	5.71+01	6.38+01	6.86+01
SIGPAR	2.05-24	3.23-24	4.77-24	5.61-24	3.48-24	1.98-24	1.40-24	1.30-24	7.91-25	8.10-25
ST. DEV.	2.18-25	1.99-25	2.15-25	2.33-25	2.08-25	1.95-25	1.79-25	2.11-25	2.10-25	2.69-25
S	3.87-06	6.09-06	8.98-06	9.44-06	6.56-06	3.73-06	2.65-06	2.45-06	1.49-06	1.53-06
ST. DEV.	4.11-07	3.75-07	4.06-07	4.39-07	3.93-07	3.67-07	3.37-07	3.98-07	3.96-07	5.07-07
S/ALPHA	8.07-07	7.44-07	6.61-07	4.57-07	2.27-07	9.90-08	5.70-08	4.30-08	2.34-08	2.23-08
ST. DEV.	8.55-08	4.58-08	2.99-08	2.12-08	1.36-08	9.76-09	7.26-09	6.97-09	6.20-09	7.39-09

BETA = -1.65+01

ALPHA	5.08+00	8.38+00	1.37+01	2.06+01	2.86+01	3.71+01	4.57+01	5.61+01	6.27+01	6.73+01
SIGPAR	2.66-24	3.53-24	4.36-24	4.76-24	3.99-24	2.43-24	1.51-24	1.26-24	7.10-25	5.38-25
ST. DEV.	2.11-25	1.91-25	2.01-25	2.14-25	1.94-25	1.86-25	1.69-25	1.97-25	1.97-25	2.48-25
S	4.00-06	5.31-06	6.56-06	7.16-06	6.00-06	3.66-06	2.27-06	1.89-06	1.07-06	8.09-07
ST. DEV.	3.17-07	2.87-07	3.03-07	3.21-07	2.92-07	2.80-07	2.54-07	2.97-07	2.96-07	3.72-07
S/ALPHA	7.87-07	6.33-07	4.81-07	3.48-07	2.10-07	9.85-08	4.97-08	3.37-08	1.71-08	1.20-08
ST. DEV.	6.24-08	3.42-08	2.22-08	1.56-08	1.02-08	7.53-09	5.56-09	5.29-09	4.72-09	5.53-09

BETA = -1.70+01

ALPHA	5.37+00	2.59+00	1.37+01	2.05+01	2.83+01	3.66+01	4.50+01	5.51+01	6.15+01	6.61+01
SIGPAR	2.95-24	3.59-24	4.90-24	5.16-24	3.99-24	2.32-24	1.62-24	5.94-25	7.00-25	5.93-25
ST. DEV.	2.22-25	2.01-25	2.12-25	2.30-25	2.07-25	1.92-25	1.80-25	2.12-25	2.07-25	2.63-25
S	3.54-06	4.31-06	5.89-06	6.20-06	4.79-06	2.78-06	1.94-06	7.14-07	8.41-07	7.12-07
ST. DEV.	2.66-07	2.41-07	2.54-07	2.76-07	2.49-07	2.31-07	2.17-07	2.55-07	2.49-07	3.16-07
S/ALPHA	6.59-07	5.01-07	4.29-07	3.03-07	1.69-07	7.60-08	4.32-08	1.29-08	1.37-08	1.08-08
ST. DEV.	4.96-08	2.81-08	1.85-08	1.35-08	8.80-09	6.31-09	4.81-09	4.62-09	4.05-09	4.78-09

BETA = -1.75+01

ALPHA	5.69+00	8.82+00	1.38+01	2.04+01	2.80+01	3.61+01	4.43+01	5.41+01	6.04+01	6.48+01
SIGPAR	3.78-24	4.31-24	5.08-24	5.37-24	4.27-24	2.50-24	1.58-24	3.67-25	6.73-25	1.22-24
ST. DEV.	2.34-25	2.17-25	2.22-25	2.31-25	2.18-25	2.05-25	1.91-25	2.19-25	2.18-25	2.76-25
S	3.63-06	4.14-06	4.88-06	5.16-06	4.10-06	2.40-06	1.52-06	3.52-07	6.46-07	1.17-06
ST. DEV.	2.25-07	2.08-07	2.14-07	2.22-07	2.10-07	1.97-07	1.83-07	2.10-07	2.09-07	2.65-07
S/ALPHA	6.38-07	4.69-07	3.53-07	2.53-07	1.46-07	6.64-08	3.44-08	6.50-09	1.07-08	1.80-08
ST. DEV.	3.95-08	2.36-08	1.54-08	1.09-08	7.49-09	5.44-09	4.14-09	3.89-09	3.46-09	4.09-09

				BETA = -1.80+01							
ALPHA	6.03+00	9.08+00	1.39+01	2.03+01	2.77+01	3.56+01	4.35+01	5.31+01	5.92+01	6.35+01	
SIGPAR	4.08-24	4.33-24	5.45-24	5.78-24	4.20-24	2.78-24	2.22-24	1.09-24	9.32-25	1.08-24	
ST. DEV.	2.30-25	2.04-25	2.15-25	2.27-25	2.08-25	1.89-25	1.79-25	2.12-25	2.11-25	2.67-25	
S	3.14-06	3.33-06	4.19-06	4.45-06	3.23-06	2.14-06	1.71-06	8.37-07	7.17-07	8.35-07	
ST. DEV.	1.77-07	1.57-07	1.65-07	1.74-07	1.60-07	1.46-07	1.37-07	1.63-07	1.62-07	2.05-07	
S/ALPHA	5.21-07	3.67-07	3.00-07	2.19-07	1.17-07	6.00-08	3.92-08	1.57-08	1.21-08	1.31-08	
ST. DEV.	2.93-08	1.73-08	1.18-08	8.58-09	5.77-09	4.09-09	3.15-09	3.06-09	2.74-09	3.23-09	

				BETA = -1.85+01							
ALPHA	6.39+00	9.35+00	1.41+01	2.03+01	2.74+01	3.51+01	4.28+01	5.21+01	5.80+01	6.22+01	
SIGPAR	4.26-24	3.98-24	5.33-24	5.19-24	4.84-24	3.37-24	2.32-24	1.40-24	9.53-25	1.08-24	
ST. DEV.	2.42-25	2.18-25	2.21-25	2.35-25	2.19-25	2.04-25	1.88-25	2.21-25	2.22-25	2.84-25	
S	2.63-06	2.45-06	3.29-06	3.20-06	2.99-06	2.08-06	1.43-06	8.63-07	5.88-07	6.69-07	
ST. DEV.	1.49-07	1.35-07	1.36-07	1.45-07	1.35-07	1.26-07	1.16-07	1.36-07	1.37-07	1.75-07	
S/ALPHA	4.11-07	2.62-07	2.33-07	1.58-07	1.09-07	5.92-08	3.35-08	1.66-08	1.01-08	1.08-08	
ST. DEV.	2.33-08	1.44-08	9.68-09	7.16-09	4.92-09	3.59-09	2.71-09	2.62-09	2.36-09	2.82-09	

				BETA = -1.90+01							
ALPHA	6.78+00	9.65+00	1.42+01	2.02+01	2.72+01	3.46+01	4.21+01	5.11+01	5.68+01	6.08+01	
SIGPAR	4.03-24	4.33-24	4.91-24	4.63-24	4.19-24	3.81-24	2.41-24	2.10-24	1.52-24	1.20-24	
ST. DEV.	2.49-25	2.22-25	2.32-25	2.37-25	2.22-25	2.09-25	1.98-25	2.35-25	2.30-25	2.85-25	
S	2.00-06	2.15-06	2.44-06	2.30-06	2.08-06	1.89-06	1.20-06	1.04-06	7.52-07	5.95-07	
ST. DEV.	1.23-07	1.10-07	1.15-07	1.17-07	1.10-07	1.04-07	9.80-08	1.16-07	1.14-07	1.41-07	
S/ALPHA	2.94-07	2.22-07	1.71-07	1.14-07	7.64-08	5.46-08	2.84-08	2.04-08	1.32-08	9.79-09	
ST. DEV.	1.82-08	1.14-08	8.08-09	5.80-09	4.05-09	3.00-09	2.33-09	2.28-09	2.01-09	2.33-09	

				BETA = -1.95+01							
ALPHA	7.21+00	9.96+00	1.44+01	2.02+01	2.69+01	3.41+01	4.13+01	5.00+01	5.55+01	5.94+01	
SIGPAR	3.19-24	4.07-24	4.44-24	5.24-24	3.97-24	2.69-24	2.61-24	2.03-24	9.05-25	6.57-25	
ST. DEV.	2.47-25	2.27-25	2.27-25	2.40-25	2.30-25	2.24-25	2.09-25	2.43-25	2.35-25	3.00-25	
S	1.28-06	1.63-06	1.77-06	2.09-06	1.59-06	1.07-06	1.04-06	8.12-07	3.61-07	2.63-07	
ST. DEV.	9.85-08	9.07-08	9.06-08	9.60-08	9.17-08	8.93-08	8.34-08	9.69-08	9.37-08	1.20-07	
S/ALPHA	1.77-07	1.63-07	1.23-07	1.04-07	5.90-08	3.15-08	2.53-08	1.62-08	6.50-09	4.42-09	
ST. DEV.	1.37-08	9.09-09	6.29-09	4.75-09	3.41-09	2.62-09	2.02-09	1.94-09	1.69-09	2.01-09	

BETA = -2.00+01										
ALPHA	7.66+00	1.03+01	1.48+01	2.02+01	2.67+01	3.36+01	4.05+01	4.89+01	5.43+01	5.80+01
SIGPAR	2.08-24	3.81-24	4.44-24	4.35-24	3.61-24	2.72-24	3.02-24	2.06-24	1.60-24	1.01-24
ST. DEV.	2.60+25	2.28+25	2.34+25	2.80+25	2.36+25	2.29+25	2.18+25	2.54+25	2.51+25	3.10+25
S	6.70-07	1.23-06	1.43-06	1.40-06	1.16-06	8.78-07	9.74-07	6.64-07	5.14-07	3.24-07
ST. DEV.	8.39-08	7.36-08	7.54-08	8.40-08	7.61-08	7.40-08	7.02-08	8.18-08	8.08-08	9.99-08
S/ALPHA	8.74-08	1.19-07	9.80-08	6.94-08	4.36-08	2.61-08	2.40-08	1.36-08	9.47-09	5.59-09
ST. DEV.	1.10-08	7.13-09	5.17-09	4.16-09	2.85-09	2.20-09	1.73-09	1.67-09	1.49-09	1.72-09

				BETA	= -2.05+01					
ALPHA	8.15+00	1.07+01	1.48+01	2.02+01	2.64+01	3.31+01	3.98+01	4.79+01	5.30+01	5.66+01
SIGPAR	2.60-24	3.40-24	4.69-24	4.26-24	3.91-24	2.39-24	2.84-24	2.44-24	1.25-24	1.68-24
ST. DEV.	2.74-25	2.41-25	2.42-25	2.60-25	2.42-25	2.41-25	2.24-25	2.61-25	2.65-25	3.22-25
S	6.78-07	6.88-07	1.22-06	1.11-06	1.02-06	6.24-07	7.42-07	6.37-07	3.27-07	4.39-07
ST. DEV.	7.15-08	6.30-08	6.33-08	6.78-08	6.31-08	6.30-08	5.85-08	6.80-08	6.91-08	8.42-08
S/ALPHA	8.32-08	8.28-08	8.26-08	5.51-08	3.87-08	1.89-08	1.86-08	1.33-08	6.17-09	7.76-09
ST. DEV.	8.77-09	5.88-09	4.27-09	3.36-09	2.39-09	1.90-09	1.47-09	1.42-09	1.31-09	1.49-09

				BETA	= -2.10+01						
ALPHA	8.68+00	1.11+01	1.51+01	2.02+01	2.62+01	3.26+01	3.90+01	4.67+01	5.16+01	5.51+01	
SIGPAR	2.96-24	3.16-24	3.78-24	4.07-24	4.18-24	3.10-24	2.71-24	1.95-24	1.92-24	1.60-24	
ST. DEV.	2.77-25	2.35-25	2.46-25	2.60-25	2.56-25	2.54-25	2.33-25	2.78-25	2.75-25	3.41-25	
S	6.29-07	6.71-07	8.01-07	8.62-07	8.86-07	6.58-07	5.75-07	4.13-07	4.07-07	3.40-07	
ST. DEV.	5.88-08	4.99-08	5.21-08	5.52-08	5.44-08	5.39-08	4.95-08	5.89-08	5.83-08	7.22-08	
S/ALPHA	7.24-08	6.02-08	5.31-08	4.26-08	3.38-08	2.02-08	1.47-08	8.84-09	7.87-09	6.17-09	
ST. DEV.	6.78-09	4.48-09	3.46-09	2.73-09	2.07-09	1.66-09	1.27-09	1.26-09	1.13-09	1.31-09	

				BETA	= -2.15+01						
ALPHA	9.26+00	1.16+01	1.54+01	2.03+01	2.60+01	3.21+01	3.82+01	4.56+01	5.03+01	5.36+01	
SIGPAR	2.72-24	2.85-24	4.10-24	3.88-24	3.88-24	3.58-24	2.90-24	2.44-24	1.54-24	1.53-24	
ST. DEV.	2.75-25	2.52-25	2.55-25	2.75-25	2.58-25	2.60-25	2.42-25	2.96-25	2.83-25	3.59-25	
S	4.70-07	4.93-07	7.09-07	6.71-07	6.72-07	6.19-07	5.02-07	4.22-07	2.67-07	2.64-07	
ST. DEV.	4.76-08	4.36-08	4.40-08	4.76-08	4.46-08	4.49-08	4.19-08	5.11-08	4.89-08	6.22-08	
S/ALPHA	5.08-08	4.24-08	4.61-08	3.31-08	2.58-08	1.93-08	1.31-08	9.25-09	5.32-09	4.93-09	
ST. DEV.	5.14-09	3.76-09	2.87-09	2.35-09	1.72-09	1.40-09	1.10-09	1.12-09	9.73-10	1.16-09	

				BETA	= -2.20+01						
ALPHA	9.90+00	1.21+01	1.57+01	2.04+01	2.58+01	3.16+01	3.74+01	4.44+01	4.89+01	5.20+01	
SIGPAR	2.55-24	2.58-24	4.08-24	3.42-24	3.47-24	2.85-24	2.81-24	2.49-24	1.75-24	2.58-24	
ST. DEV.	3.04-25	2.69-25	2.65-25	2.87-25	2.71-25	2.71-25	2.52-25	3.01-25	2.99-25	3.76-25	
S	3.61-07	3.65-07	5.79-07	4.85-07	4.91-07	4.03-07	3.98-07	3.53-07	2.49-07	3.65-07	
ST. DEV.	4.30-08	3.82-08	3.75-08	4.07-08	3.85-08	3.84-08	3.57-08	4.27-08	4.24-08	5.33-08	
S/ALPHA	3.65-08	3.01-08	3.69-08	2.38-08	1.90-08	1.28-08	1.06-08	7.95-09	5.09-09	7.02-09	
ST. DEV.	4.35-09	3.15-09	2.39-09	2.00-09	1.49-09	1.22-09	9.56-10	9.62-10	8.68-10	1.03-09	

				BETA	= -2.25+01						
ALPHA	1.06+01	1.27+01	1.61+01	2.05+01	2.56+01	3.11+01	3.66+01	4.32+01	4.74+01	5.04+01	
SIGPAR	2.79-24	3.07-24	3.53-24	5.01-24	4.00-24	3.09-24	3.33-24	2.68-24	2.39-24	2.08-24	
ST. DEV.	3.22-25	2.76-25	2.80-25	2.95-25	2.85-25	2.89-25	2.64-25	3.15-25	3.09-25	3.94-25	
S	3.25-07	3.58-07	4.12-07	5.85-07	4.66-07	3.61-07	3.89-07	3.13-07	2.80-07	2.43-07	
ST. DEV.	3.76-08	3.22-08	3.28-08	3.44-08	3.33-08	3.38-08	3.09-08	3.68-08	3.61-08	4.60-08	
S/ALPHA	3.07-08	2.82-08	2.56-08	2.86-08	1.82-08	1.16-08	1.06-08	7.25-09	5.90-09	4.83-09	
ST. DEV.	3.55-09	2.54-09	2.04-09	1.68-09	1.30-09	1.09-09	8.44-10	8.52-10	7.62-10	9.14-10	

BETA = -2.30+01										
ALPHA	1.14+01	1.33+01	1.65+01	2.06+01	2.54+01	3.06+01	3.57+01	4.19+01	4.59+01	4.87+01
SIGPAR	2.81-24	3.15-24	3.19-24	3.80-24	3.76-24	2.66-24	2.94-24	3.30-24	2.81-24	1.62-24
ST. DEV.	3.30-25	2.81-25	2.91-25	3.11-25	2.98-25	3.00-25	2.74-25	3.34-25	3.34-25	4.16-25
S	2.72-07	3.05-07	3.09-07	3.68-07	3.64-07	2.58-07	2.85-07	3.20-07	2.72-07	1.57-07
ST. DEV.	3.20-08	2.73-08	2.82-08	3.01-08	2.89-08	2.91-08	2.65-08	3.23-08	3.24-08	4.03-08
S/ALPHA	2.39-08	2.29-08	1.87-08	1.79-08	1.43-08	8.44-09	7.98-09	7.62-09	5.93-09	3.23-09
ST. DEV.	2.82-09	2.04-09	1.71-09	1.46-09	1.14-09	9.52-10	7.43-10	7.71-10	7.06-10	8.29-10

				BETA	= -2.35+01										
ALPHA	1.22+01	1.41+01	1.70+01	2.08+01	2.53+01	3.01+01	3.48+01	4.06+01	4.43+01	4.69+01					
SIGPAR	3.12-24	2.48-24	3.21-24	3.65-24	1.08-23	2.03-24	3.67-24	2.14-24	2.21-24	1.95-24					
ST. DEV.	3.54-25	3.04-25	3.03-25	3.26-25	3.59-25	3.18-25	2.92-25	3.55-25	3.55-25	4.51-25					
S	2.53-07	2.01-07	2.60-07	2.96-07	8.74-07	1.64-07	2.98-07	1.74-07	1.80-07	1.58-07					
ST. DEV.	2.88-08	2.47-08	2.46-08	2.65-08	2.91-08	2.58-08	2.37-08	2.88-08	2.88-08	3.66-08					
S/ALPHA	2.07-08	1.43-08	1.53-08	1.42-08	3.45-08	5.47-09	8.54-09	4.28-09	4.06-09	3.38-09					
ST. DEV.	2.35-09	1.76-09	1.45-09	1.27-09	1.15-09	8.60-10	6.80-10	7.10-10	6.51-10	7.82-10					

BETA = -2.40+01

ALPHA	1.32+01	1.49+01	1.76+01	2.11+01	2.52+01	2.96+01	3.39+01	3.92+01	4.26+01	4.50+01
SIGPAR	2.33-24	1.70-24	3.12-24	2.77-24	3.47-24	2.38-24	2.91-24	2.07-24	2.70-24	1.09-24
ST. DEV.	3.82-25	3.22-25	3.30-25	3.55-25	3.37-25	3.46-25	3.15-25	3.89-25	3.78-25	4.89-25
S	1.60-07	1.18-07	2.15-07	1.91-07	2.39-07	1.64-07	2.01-07	1.43-07	1.86-07	7.50-08
ST. DEV.	2.63-08	2.22-08	2.28-08	2.45-08	2.32-08	2.39-08	2.17-08	2.68-08	2.60-08	3.37-08
S/ALPHA	1.21-08	1.28-08	1.22-08	9.03-09	9.50-09	5.53-09	5.91-09	3.65-09	4.37-09	1.67-09
ST. DEV.	2.00-09	1.49-09	1.29-09	1.16-09	9.23-10	8.07-10	6.40-10	6.83-10	6.12-10	7.50-10

BETA = -2.45+01

ALPHA	1.43+01	1.50+01	1.83+01	2.14+01	2.51+01	2.90+01	3.30+01	3.78+01	4.08+01	4.29+01
SIGPAR	2.37-24	2.57-24	2.69-24	2.71-24	2.90-24	3.23-24	2.93-24	2.13-24	1.85-24	1.31-24
ST. DEV.	4.17-25	3.42-25	3.56-25	3.92-25	3.76-25	3.80-25	3.45-25	4.33-25	4.21-25	5.38-25
S	1.41-07	1.53-07	1.60-07	1.61-07	1.72-07	1.92-07	1.74-07	1.27-07	1.11-07	7.73-08
ST. DEV.	2.48-08	1.03-08	2.12-08	2.33-08	2.24-08	2.26-08	2.05-08	2.58-08	2.51-08	3.20-08
S/ALPHA	9.81-09	9.63-09	8.77-09	7.49-09	6.87-09	6.62-09	5.29-09	3.36-09	2.71-09	1.80-09
ST. DEV.	1.73-09	1.28-09	1.16-09	1.09-09	8.91-10	7.78-10	6.22-10	6.82-10	6.15-10	7.46-10

BETA = -2.50+01

ALPHA	1.57+01	1.70+01	1.91+01	2.19+01	2.51+01	2.85+01	3.20+01	3.62+01	3.88+01	4.07+01
SIGPAR	1.73-24	1.63-24	2.54-24	1.30-24	1.65-24	1.07-24	2.72-24	1.67-24	4.40-25	2.85-24
ST. DEV.	4.79-25	3.95-25	3.91-25	4.40-25	4.23-25	4.33-25	3.89-25	4.86-25	4.80-25	6.09-25
S	9.07-08	1.62-08	1.35-07	6.82-08	8.79-08	5.66-08	1.44-07	8.87-08	2.39-08	1.51-07
ST. DEV.	2.53-08	1.08-08	2.07-08	2.32-08	2.23-08	2.29-08	2.05-08	2.57-08	2.53-08	3.22-08
S/ALPHA	5.80-09	3.07-09	7.04-09	3.12-09	3.50-09	1.93-09	4.49-09	2.45-09	6.16-10	3.72-09
ST. DEV.	1.62-09	1.23-09	1.08-09	1.06-09	8.90-10	8.01-10	6.42-10	7.09-10	6.53-10	7.91-10

BETA = -2.55+01

ALPHA	1.73+01	1.84+01	2.02+01	2.25+01	2.52+01	2.80+01	3.09+01	3.44+01	3.66+01	3.82+01
SIGPAR	1.07-24	1.56-24	1.83-24	2.23-24	3.79-24	1.47-24	8.18-25	2.21-24	1.39-24	-7.26-25
ST. DEV.	5.76-25	4.66-25	4.79-25	5.30-25	5.15-25	5.21-25	4.68-25	5.91-25	5.83-25	7.44-25
S	5.09-08	7.73-08	9.06-08	1.09-07	1.88-07	7.39-08	4.11-08	1.09-07	6.91-08	-3.57-08
ST. DEV.	2.83-08	2.29-08	2.35-08	2.60-08	2.53-08	2.56-08	2.30-08	2.90-08	2.86-08	3.65-08
S/ALPHA	2.94-09	4.20-09	4.49-09	4.85-09	7.46-09	2.64-09	1.33-09	3.15-09	1.89-09	-9.36-10
ST. DEV.	1.64-09	1.25-09	1.17-09	1.16-09	1.01-09	9.13-10	7.43-10	8.44-10	7.82-10	9.57-10

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