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AEC RESEARCH AND DEVELOPMENT REPORT

XENON AND SAMARIUM TABLES

B. B. Occhipinti



Savannah River Laboratory

Aiken, South Carolina

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XENON AND SAMARIUM TABLES

by

Barbara B. Occhipinti

Approved by

J. W. Wade, Research Manager
Applied Mathematics Division

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E. I. DU PONT DE NEMOURS & COMPANY
SAVANNAH RIVER LABORATORY
AIKEN, SOUTH CAROLINA

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ABSTRACT

Tables are presented for calculating the reactivity transients that result from ^{135}Xe or ^{149}Sm poisoning in any thermal reactor that employs ^{235}U as the principal fissionable material. Xenon and samarium concentrations are given as a function of time in units of absorptions per fission neutron. Tables are also given for the change in reactivity held in xenon after step reductions in power. Thermal flux is expressed in units of megawatts from thermal fissions per kilogram of ^{235}U . These tables cover a range of power from 0 to 500 MW/kg.

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XENON AND SAMARIUM TABLES

INTRODUCTION AND SUMMARY

This report contains tables for rapid calculation of the reactivity held in xenon and samarium as a function of time and flux level and extends to higher flux levels the tables that have been reported previously in DP-200⁽¹⁾ and DP-557⁽²⁾. Most of the parameters for yield, half life, and cross section ratio that were used in the earlier work were also used in this work. Also, tables are given for calculating the reactivity transient that results from changes in the xenon concentration following a step reduction in power, starting from conditions of equilibrium xenon and samarium.

To make these tables applicable to any thermal reactor that employs ^{235}U as the principal fissionable material, the concentrations of ^{135}Xe and ^{149}Sm are expressed in units of absorptions per fission neutron, the concentrations of ^{135}I and ^{149}Pm are expressed in units of potential xenon or samarium absorptions per fission neutron, and the thermal neutron flux is expressed in units of megawatts from thermal fissions per kg of ^{235}U . Tables of calculated coefficients are presented to permit rapid determination of these concentrations as a function of time and flux level.

This report also contains an explanation of how the tables are to be used and a brief review of the mathematical background. The latter discussion includes the equations that describe the xenon and samarium poisoning, the values of parameters used in the computation, and a procedure to be followed when it is necessary to use a different ratio of absorption cross section of xenon or samarium to the fission cross section of ^{235}U than is employed in this report.

DISCUSSION

1. XENON TABLES

1.1 Use of the Tables

At a constant thermal flux, the iodine concentration, I , and xenon concentration, X , are given as functions of time by

$$\begin{aligned} I &= A + BI_0 \\ X &= C + DI_0 + EX_0 \end{aligned} \tag{1}$$

I_0 and X_0 are known concentrations at that flux level at an earlier time. A , B , C , D , and E are given in the tables in this report as functions of the elapsed time. The thermal flux is expressed in units of megawatts from thermal fissions per kilogram of ^{235}U . Xenon concentrations are expressed in units of xenon absorptions per fission neutron. Iodine concentrations are in units of potential xenon absorptions per fission neutron.

The last column of the table, "Shutdown Transient", gives the xenon concentration, X , following a 100% reduction in power. These values of X were obtained through use of the coefficients C , D , and E for 0 MW/kg and the appropriate equilibrium concentrations of ^{135}I and ^{135}Xe .

The flux level at which the tables are to be entered is given by

$$\phi = \frac{(\text{Power in MW})}{(\text{kg of } ^{235}\text{U})(1 + F)} \tag{2}$$

where F is the ratio of the numbers of fast and thermal fissions. The equation is to be applied to a region throughout which the flux may be considered uniform. At high flux levels, it is usually adequate to consider the reactor as a single region and to choose a suitable average for the power density.

To give an example of the use of the tables, it will be assumed that the pile has operated for a period of at least 72 hours at a constant power (which may be zero). If the flux is changed, the saturated I and X values given in the tables for the old power are taken as I_0 and X_0 for the new power. With these values and the values of A , B , C , D , and E found in the table that applies to the new flux, the I and X concentrations can be computed for any time. If the flux level is changed again, the values of I and X at the end of operation at the preceding flux are the values of I_0 and X_0 to be used for the new flux. This procedure can be carried through any number of flux changes.

The reactivity change, ρ , associated with a change in xenon concentration is given by

$$\rho = \frac{(X - X_0)}{p_{\text{eff}}} \quad (3)$$

where

$$p_{\text{eff}} = \frac{p}{1 + \tau B_g^2}$$

p = resonance escape probability

τ = neutron age

B_g^2 = geometric buckling

1.2 Mathematical Detail

The relations for the time-dependent iodine and xenon concentrations are:⁽³⁾

$$\begin{aligned} I &= \frac{\alpha_I \sigma_X}{\lambda_I \nu \sigma_f} \beta \phi \left(1 - e^{-\lambda_I t} \right) + I_0 e^{-\lambda_I t} \\ &\equiv A + B I_0 \\ X &= \frac{\left(\alpha_X + \alpha_I \right)}{\lambda_X + \frac{\sigma_X}{\sigma_f} \beta \phi} \frac{\sigma_X}{\nu \sigma_f} \beta \phi \left[1 - e^{-\left(\lambda_X + \frac{\sigma_X}{\sigma_f} \beta \phi \right) t} \right] \\ &\quad + \frac{\alpha_I}{\lambda_X + \frac{\sigma_X}{\sigma_f} \beta \phi - \lambda_I} \frac{\sigma_X}{\nu \sigma_f} \beta \phi \left[-e^{-\lambda_I t} + e^{-\left(\lambda_X + \frac{\sigma_X}{\sigma_f} \beta \phi \right) t} \right] \\ &\quad + I_0 \frac{\lambda_I}{\lambda_X + \frac{\sigma_X}{\sigma_f} \beta \phi - \lambda_I} \left[e^{-\lambda_I t} - e^{-\left(\lambda_X + \frac{\sigma_X}{\sigma_f} \beta \phi \right) t} \right] + X_0 e^{-\left(\lambda_X - \frac{\sigma_X}{\sigma_f} \beta \phi \right) t} \\ &\equiv C + D I_0 + E X_0 \end{aligned} \quad (4)$$

where

$I = {}^{135}\text{I}$ concentration in units of potential xenon absorptions per fission neutron, $\sigma_X N_X / [\nu \sigma_f N_{25}(1 + F)]$, where N_X/N_{25} is the ratio of ${}^{135}\text{I}$ atoms to ${}^{235}\text{U}$ atoms

$X = {}^{135}\text{Xe}$ concentration in xenon absorptions per fission neutron, $\sigma_X N_X / [\nu \sigma_f N_{25}(1 + F)]$

$\alpha_I = 0.0586$ ${}^{135}\text{I}$ atoms produced per fission

$\alpha_X = 0.003$ ${}^{135}\text{Xe}$ atoms formed directly per fission

$\lambda_I = 0.1037484 \text{ hr}^{-1}$ (decay constant for ${}^{135}\text{I}$)

$\lambda_X = 0.07533 \text{ hr}^{-1}$ (decay constant for ${}^{135}\text{Xe}$)

$\nu = 2.46^*$

$\frac{\sigma_X}{\sigma_f} = 5850^{**}$ (ratio of thermal absorption cross section of ${}^{135}\text{Xe}$ to thermal fission cross section of ${}^{235}\text{U}$). Values for σ_X and σ_f are obtained by averaging the cross sections over the thermal neutron spectrum.

$\beta = 4.387176 \times 10^{-5}$ (kg per atom ${}^{235}\text{U}$) \times (fissions per MW-hr)***

ϕ = flux in MW due to thermal fissions per kg ${}^{235}\text{U}$

* The currently accepted value is 2.43. To correct for this multiply I and X by $2.46/2.43$.

** This ratio depends on the thermal neutron energy spectrum in a reactor. Since the flux in Equations (4) always appears multiplied by the cross section ratio, the tables can be used for any value of this ratio, σ_X/σ_f , by multiplying the flux obtained from Equation (2) by the ratio $(\sigma_X/\sigma_f)/(\sigma_X/\sigma_f)$. Equation (3) remains unchanged.

*** The measured heat output per fission is taken to be 200 Mev. Again, the tables can be used for other values of this quantity, H , by multiplying the flux by $200/H$.

The change in reactivity, ρ , due to a change in xenon concentration is

$$\rho = \frac{k_{\text{eff}} - k_{\text{eff}_0}}{k_{\text{eff}}} \quad (5)$$

where k_{eff} is the ratio of the rate of neutron production to the sum of the rates of neutron absorption and of neutron leakage. For an initial critical state, $k_{\text{eff}_0} = 1$ and $\rho = 1 - 1/k_{\text{eff}}$.

Two neutron groups are considered with the fast group lying above the xenon cut-off energy and the slow group below it. If the rate at which fast neutrons are supplied is Q_1 ,

$$D_1 B_g^2 \phi_1 + \Sigma_{a_1} \phi_1 + \Sigma_{r_1} \phi_1 = Q_1 \quad (6)$$

where the three terms on the left are the rate at which these neutrons leak out as fast neutrons, the rate at which they are absorbed, and the rate at which they are slowed into the second group. Similarly,

$$D_2 B_g^2 \phi_2 + \Sigma_{a_2} \phi_2 = \Sigma_{r_1} \phi_1 \quad (7)$$

where the two terms on the left are the rate at which these neutrons leak out as slow neutrons and the rate at which they are absorbed. If additional xenon is introduced as Σ_x , Equation (6) is not altered, but Equation (7) becomes

$$D_2 B_g^2 \phi_2' + \Sigma_{a_2} \phi_2' + \Sigma_x \phi_2' = \Sigma_{r_1} \phi_1 \quad (8)$$

Solution of these equations for ϕ_1 , ϕ_2 , and ϕ_2' yields

$$\left. \begin{aligned} \phi_1 &= \frac{Q_1}{D_1 B_g^2 + \Sigma_{a_1} + \Sigma_{r_1}} \\ \phi_2 &= \frac{\Sigma_{r_1} Q_1}{(D_1 B_g^2 + \Sigma_{a_1} + \Sigma_{r_1})(D_2 B_g^2 + \Sigma_{a_2})} \\ \phi_2' &= \frac{\Sigma_{r_1} Q_1}{(D_1 B_g^2 + \Sigma_{a_1} + \Sigma_{r_1})(D_2 B_g^2 + \Sigma_{a_2} + \Sigma_x)} \end{aligned} \right\} \quad (9)$$

In terms of these fluxes

$$k_{\text{eff}} = \frac{v_1 \Sigma_{f_1} \phi_1 + v_2 \Sigma_{f_2} \phi_2'}{(\Sigma_{a_1} + D_1 B_g^2) \phi_1 + (\Sigma_{a_2} + \Sigma_x + D_2 B_g^2) \phi_2'} \quad (10)$$

For an initial critical state

$$1 = \frac{v_1 \Sigma_{f_1} \phi_1 + v_2 \Sigma_{f_2} \phi_2}{(\Sigma_{a_1} + D_1 B_g^2) \phi_1 + (\Sigma_{a_2} + D_2 B_g^2) \phi_2} \quad (11)$$

From Equations (9), (10), and (11), Equation (5) can now be expressed as

$$\rho = \frac{-\Sigma_x}{v_2 \Sigma_{f_2}} \left[\frac{1 - \frac{v_1 \Sigma_{f_1}}{\Sigma_{a_1} + D_1 B_g^2 + \Sigma_{r_1}}}{\frac{\Sigma_{r_1}}{D_1 B_g^2 + \Sigma_{a_1} + \Sigma_{r_1} - v_1 \Sigma_{f_1}} + \frac{v_1 \Sigma_{f_1} \Sigma_x}{(D_1 B_g^2 + \Sigma_{a_1} + \Sigma_{r_1}) v_2 \Sigma_{f_2}}} \right] \quad (12)$$

An effective resonance escape probability can be defined as

$$p_{\text{eff}} = \frac{\Sigma_{r_1}}{D_1 B_g^2 + \Sigma_{a_1} + \Sigma_{r_1} - v_1 \Sigma_{f_1}} = \frac{p}{1 + \tau B_g^2} \quad (13)$$

where

$$\tau = \frac{D_1}{\Sigma_{a_1} + \Sigma_{r_1} - v_1 \Sigma_{f_1}}$$

and

$$p = \frac{\Sigma_{r_1}}{\Sigma_{a_1} + \Sigma_{r_1} - v_1 \Sigma_{f_1}}$$

The ratio of fast to thermal fissions in the initial critical state is

$$F = \frac{\Sigma_{f_1} \phi_1}{\Sigma_{f_2} \phi_2}$$

From Equations (9) and (11), F can be expressed as

$$F = \frac{v_2 \Sigma_{f_1}}{D_1 B_g^2 + \Sigma_{a_1} + \Sigma_{r_1} - v_1 \Sigma_{f_1}} \quad (14)$$

Substituting Equations (13) and (14) into (12) yields

$$\rho = \frac{-\Sigma_x}{v_2 \Sigma_{f_2} \left[p_{\text{eff}} \left(1 + \frac{v_1 F}{v_2} \right) + \frac{v_1 F}{v_2} \frac{\Sigma_x}{v_2 \Sigma_{f_2}} \right]} \quad (15)$$

The maximum error introduced in ρ by taking $v_1 = v_2$ and by dropping the last term in the denominator is only about 1%, hence

$$\rho \approx \frac{-\Sigma_x}{v_2 \Sigma_{f_2} (1 + F) p_{\text{eff}}} = \frac{-(X - X_0)}{p_{\text{eff}}} \quad (16)$$

Thus the reactivity change, ρ , can be obtained through the use of the tables to determine $(X - X_0)$ and the resultant change in multiplication factor $(k_{\text{eff}} - k_{\text{eff}_0})$ is determined from Equation (5).

2. SAMARIUM TABLES

2.1 Use of the Tables

At a particular thermal flux, the promethium concentration, Pm , and samarium concentration, Sm , are given as functions of time by

$$Pm = A + B Pm_0 \quad (17)$$

$$Sm = C + D Pm_0 + E Sm_0$$

Pm_0 and Sm_0 are known concentrations at that flux level at an earlier time. A , B , C , D , and E are given in the tables as functions of the elapsed time. The thermal flux is expressed in units of megawatts from thermal fissions per kilogram of ^{235}U . Samarium concentrations are expressed in units of samarium absorptions per fission neutron. Promethium concentrations are in units of potential samarium absorptions per fission neutron.

The last column of the table, "Shutdown Transient," gives the variation in the samarium concentration following a 100% reduction in power and can be obtained from the coefficients C , D , and E for 0 MW/kg and the appropriate equilibrium concentrations of ^{149}Pm and ^{149}Sm .

The flux levels at which the tables are to be entered is given by

$$\phi = \frac{(\text{Power in MW})}{(\text{kg of } ^{235}\text{U})(1 + F)} \quad (18)$$

where F is the ratio of the numbers of fast and thermal fissions. The equation is to be applied to a region throughout which the flux may be considered uniform. At high flux levels, it is usually adequate to consider the reactor as a single region and to choose a suitable average of the power density.

To give an example of the use of the tables it will be assumed that the amount of samarium, Sm_0 , and that of promethium, Pm_0 , present at the time of a power change is known. If the pile has operated at approximately constant power for 15 or more days the saturated value of promethium that is quoted in the table for that power may be taken as Pm_0 . The saturated value of samarium, 0.005285, is independent of power but the time for samarium saturation varies with pile power. If, at time equal to zero, there is no samarium present and the power is suddenly raised to 1.0 MW per kg ^{235}U , samarium is approximately 67%

saturated in 15 days; samarium will be virtually saturated in 15 days at a power of 10 MW per kg ^{235}U , whether there was any samarium present initially or not. With values for Sm_0 and Pm_0 and the values of A, B, C, D, and E found in the table that applies to the new flux, the promethium and samarium concentrations can be computed for any time. If the flux level is changed again, the values of Pm and Sm at the end of the operation at the preceding flux are the values of Pm_0 and Sm_0 to be used for the new flux. This procedure can be carried through any number of flux changes.

The expression for the reactivity change, ρ , associated with a change in the samarium concentration is analogous to Equation (3) for xenon and is

$$\rho = \frac{(\text{Sm} - \text{Sm}_0)}{P_{\text{eff}}} \quad (19)$$

where

$$P_{\text{eff}} = \frac{p}{1 + \tau B_g^2}$$

p = resonance escape probability

τ = neutron age

B_g^2 = geometric buckling

2.2 Mathematical Detail

The relations for the time-dependent promethium and samarium concentrations are⁽³⁾

$$\begin{aligned}
 Pm &= \frac{\alpha_{Pm} \sigma_{Sm}}{\lambda_{Pm} v \sigma_f} \beta \phi \left(1 - e^{-\lambda_{Pm} t} \right) + Pm_0 e^{-\lambda_{Pm} t} \\
 &\equiv A + B Pm_0 \\
 Sm &= \frac{(\alpha_{Sm} + \alpha_{Pm})}{v} \left[1 - e^{-\frac{\sigma_{Sm}}{\sigma_f} \beta \phi t} \right] \\
 &\quad + \frac{\alpha_{Pm}}{\frac{\sigma_{Sm}}{\sigma_f} \beta \phi - \lambda_{Pm}} \frac{\sigma_{Sm}}{v \sigma_f} \beta \phi \left[-e^{-\lambda_{Pm} t} + e^{-\frac{\sigma_{Sm}}{\sigma_f} \beta \phi t} \right] \\
 &\quad + Pm_0 \frac{\lambda_{Pm}}{\frac{\sigma_{Sm}}{\sigma_f} \beta \phi - \lambda_{Pm}} \left[e^{-\lambda_{Pm} t} - e^{-\frac{\sigma_{Sm}}{\sigma_f} \beta \phi t} \right] + Sm_0 e^{-\frac{\sigma_{Sm}}{\sigma_f} \beta \phi t} \\
 &\equiv C + D Pm_0 + E Sm_0
 \end{aligned} \tag{20}$$

$Pm = {}^{149}Pm$ concentration in units of potential samarium absorptions per fission neutron, $\sigma_{Sm} N_{Sm} / [v \sigma_f N_{25} (1 + F)]$, where N_{Sm} / N_{25} is the ratio of ${}^{149}Pm$ atoms to ${}^{235}U$ atoms.

$Sm = {}^{149}Sm$ concentration in samarium absorptions per fission neutron, $\sigma_{Sm} N_{Sm} / [v \sigma_f N_{25} (1 + F)]$.

$$\alpha_{\text{Pm}} = 0.013 \text{ }^{149}\text{Pm atoms produced per fission}$$

$$\alpha_{\text{Sm}} = 0.0 \text{ }^{149}\text{Sm atoms formed directly from fission}$$

$$\lambda_{\text{Pm}} = 0.0128 \text{ hr}^{-1} \text{ (decay constant for }^{149}\text{Pm)}$$

$$\nu = 2.46^*$$

$$\frac{\sigma_{\text{Sm}}}{\sigma_{\text{f}}} = 140^{**} \text{ (ratio of thermal absorption cross section of }^{149}\text{Sm to thermal fission cross section of }^{235}\text{U).}$$

Values for σ_{Sm} and σ_{f} are obtained by averaging the cross sections over the thermal neutron spectrum.

$$\beta = 4.387176 \times 10^{-5} \text{ (kg per atom }^{235}\text{U)} \times \text{(fissions per MW-hr)}^{***}$$

$$\phi = \text{flux in MW due to thermal fissions per kg }^{235}\text{U}$$

The value of $\sigma_{\text{Sm}}/\sigma_{\text{f}} = 140$ has been chosen rather than the value of 70.2 in DP-557 to correspond more closely to values found in thermal reactors.

* The currently accepted value is 2.43. To correct for this multiply Pm and Sm by 2.46/2.43.

** This ratio depends on the thermal neutron energy spectrum in a reactor. Since the flux in Equation (9) always appears multiplied by the cross section ratio, the tables can be used for any value of this ratio $\sigma_{\text{Sm}}/\sigma_{\text{f}}$ by multiplying the flux obtained from Equation (7) by the ratio $(\sigma_{\text{Sm}}/\sigma_{\text{f}})/(\sigma_{\text{Sm}}/\sigma_{\text{f}})$. Equation (8) remains unchanged.

*** The measured heat output per fission is taken to be 200 Mev. Again, the tables can be used for other values of this quantity, H, by multiplying the flux by 200/H.

3. XENON TRANSIENT FOLLOWING POWER REDUCTION

The tables in Section 6 give the change in xenon concentration following instantaneous decreases in the power level of 5, 10, 20, 50, 75, and 100%. The power level is constant after the decrease. The iodine and xenon concentrations are at their equilibrium values prior to the power reduction. The equilibrium (saturated) concentrations of iodine and xenon are given for the initial power level and for each of the power levels resulting from the power reductions. These tables can be developed from the coefficients listed in the "Xenon Tables" in Section 4. The change in the xenon concentration at time t is

$$\Delta X = C + DI_0 + EX_0 - X_0 \quad (21)$$

where ΔX is the change in the xenon concentration from the equilibrium value, C , D , and E are coefficients from the xenon tables in Section 4 at time t (at the reduced power level), and I_0 and X_0 are the values of the saturated iodine and xenon concentrations before the power reduction.

As with the tables in Sections 4 and 5 these tables can be used when the ratio of the thermal cross section of xenon to the thermal fission cross section of ^{235}U differs from $\sigma_x/\sigma_f = 5850$ by multiplying the flux ϕ by $(\sigma_x'/\sigma_f)/(\sigma_x/\sigma_f)$. This new value, ϕ' , is then used with the tables in Section 6. Also, the tables can be used for values of the heat output per fission, H , other than 200 Mev by multiplying the flux by $200/H$.

TIME HOURS	IODINE		MW/KG	0.		SHUTDOWN TRANSIENT
	A	B		XENON D	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	-0.
5 SEC	0.	0.999856	0.	0.000144	0.999895	0.
10 SEC	0.	0.999712	0.	0.000288	0.999791	0.
30 SEC	0.	0.999136	0.	0.000864	0.999372	0.
60 SEC	0.	0.998272	0.	0.001727	0.998745	0.
2 MIN	0.	0.996548	0.	0.003448	0.997492	0.
5 MIN	0.	0.991392	0.	0.008581	0.993742	0.
10 MIN	0.	0.982857	0.	0.017035	0.987523	0.
30 MIN	0.	0.949448	0.	0.049603	0.963036	0.
60 MIN	0.	0.901452	0.	0.094866	0.927437	0.
2 HR	0.	0.812616	0.	0.173499	0.860140	0.
4 HR	0.	0.660345	0.	0.290222	0.739841	0.
8 HR	0.	0.436055	0.	0.406364	0.547365	0.
12 HR	0.	0.287946	0.	0.427197	0.404963	0.
24 HR	0.	0.082913	0.	0.296009	0.163995	0.
36 HR	0.	0.023875	0.	0.155293	0.066412	0.
48 HR	0.	0.006875	0.	0.073087	0.026894	0.
60 HR	0.	0.001980	0.	0.032534	0.010891	0.
72 HR	0.	0.000570	0.	0.014021	0.004411	0.
84 HR	0.	0.000164	0.	0.005921	0.001786	0.
96 HR	0.	0.000047	0.	0.002468	0.000723	0.
108 HR	0.	0.000014	0.	0.001020	0.000293	0.
120 HR	0.	0.000004	0.	0.000419	0.000119	0.
132 HR	0.	0.000001	0.	0.000171	0.000048	0.

SATURATED IODINE 0.
SATURATED XENON 0.

TIME HOURS	IODINE		MW/KG	0.01		SHUTDOWN TRANSIENT
	A	B		XENON D	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.000825
5 SEC	0.000000	0.999856	0.000000	0.000144	0.999892	0.000825
10 SEC	0.000000	0.999712	0.000000	0.000288	0.999784	0.000825
30 SEC	0.000001	0.999136	0.000000	0.000864	0.999351	0.000825
60 SEC	0.000001	0.998272	0.000000	0.001727	0.998703	0.000825
2 MIN	0.000002	0.996548	0.000000	0.003448	0.997407	0.000825
5 MIN	0.000005	0.991392	0.000000	0.008580	0.993530	0.000825
10 MIN	0.000010	0.982857	0.000001	0.017032	0.987101	0.000825
30 MIN	0.000030	0.949448	0.000002	0.049572	0.961800	0.000824
60 MIN	0.000058	0.901452	0.000006	0.094744	0.925060	0.000821
2 HR	0.000110	0.812616	0.000017	0.173050	0.855736	0.000812
4 HR	0.000200	0.660345	0.000051	0.288709	0.732285	0.000781
8 HR	0.000332	0.436055	0.000146	0.402064	0.536241	0.000691
12 HR	0.000420	0.287946	0.000253	0.420318	0.392681	0.000586
24 HR	0.000540	0.082913	0.000529	0.286080	0.154198	0.000310
36 HR	0.000575	0.023875	0.000688	0.147188	0.060551	0.000146
48 HR	0.000585	0.006875	0.000765	0.067833	0.023777	0.000065
60 HR	0.000588	0.001980	0.000800	0.029526	0.009337	0.000028
72 HR	0.000589	0.000570	0.000815	0.012426	0.003666	0.000012
84 HR	0.000589	0.000164	0.000821	0.005119	0.001440	0.000005
96 HR	0.000589	0.000047	0.000823	0.002079	0.000565	0.000002
108 HR	0.000589	0.000014	0.000824	0.000836	0.000222	0.000001
120 HR	0.000589	0.000004	0.000825	0.000334	0.000087	0.000000
132 HR	0.000589	0.000001	0.000825	0.000133	0.000034	0.000000

SATURATED IODINE 0.000589
SATURATED XENON 0.000825

SECTION 4 - XENON TABLES

TIME HOURS	IODINE		MW/KG	0.02		SHUTDOWN TRANSIENT
	A	B		XENON D	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.001597
5 SEC	0.000000	0.999856	0.000000	0.000144	0.999888	0.001597
10 SEC	0.000000	0.999712	0.000000	0.000288	0.999777	0.001597
30 SEC	0.000001	0.999136	0.000000	0.000864	0.999330	0.001597
60 SEC	0.000002	0.998272	0.000000	0.001727	0.998660	0.001597
2 MIN	0.000004	0.996548	0.000000	0.003448	0.997322	0.001597
5 MIN	0.000010	0.991392	0.000001	0.008580	0.993317	0.001598
10 MIN	0.000020	0.982857	0.000001	0.017028	0.986679	0.001598
30 MIN	0.000060	0.949448	0.000005	0.049540	0.960567	0.001597
60 MIN	0.000116	0.901452	0.000012	0.094622	0.922689	0.001593
2 HR	0.000221	0.812616	0.000034	0.172603	0.851355	0.001578
4 HR	0.000400	0.660345	0.000101	0.287207	0.724805	0.001524
8 HR	0.000665	0.436055	0.000289	0.397824	0.525343	0.001353
12 HR	0.000839	0.287946	0.000502	0.413583	0.380771	0.001150
24 HR	0.001081	0.082913	0.001040	0.276570	0.144987	0.000611
36 HR	0.001150	0.023875	0.001345	0.139602	0.055207	0.000289
48 HR	0.001170	0.006875	0.001490	0.063030	0.021021	0.000129
60 HR	0.001176	0.001980	0.001553	0.026843	0.008004	0.000056
72 HR	0.001178	0.000570	0.001580	0.011040	0.003048	0.000024
84 HR	0.001178	0.000164	0.001590	0.004439	0.001161	0.000010
96 HR	0.001179	0.000047	0.001595	0.001758	0.000442	0.000004
108 HR	0.001179	0.000014	0.001596	0.000689	0.000168	0.000002
120 HR	0.001179	0.000004	0.001597	0.000268	0.000064	0.000001
132 HR	0.001179	0.000001	0.001597	0.000104	0.000024	0.000000

SATURATED IODINE 0.001179
SATURATED XENON 0.001597

TIME HOURS	IODINE		MW/KG	0.03		SHUTDOWN TRANSIENT
	A	B		XENON D	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.002322
5 SEC	0.000000	0.999856	0.000000	0.000144	0.999885	0.002322
10 SEC	0.000001	0.999712	0.000000	0.000288	0.999769	0.002322
30 SEC	0.000002	0.999136	0.000000	0.000864	0.999308	0.002322
60 SEC	0.000003	0.998272	0.000000	0.001726	0.998617	0.002322
2 MIN	0.000006	0.996548	0.000000	0.003448	0.997236	0.002322
5 MIN	0.000015	0.991392	0.000001	0.008579	0.993105	0.002323
10 MIN	0.000030	0.982857	0.000002	0.017024	0.986257	0.002323
30 MIN	0.000089	0.949448	0.000007	0.049508	0.959335	0.002324
60 MIN	0.000174	0.901452	0.000018	0.094500	0.920324	0.002321
2 HR	0.000331	0.812616	0.000051	0.172157	0.846996	0.002304
4 HR	0.000600	0.660345	0.000151	0.285715	0.717403	0.002231
8 HR	0.000997	0.436055	0.000431	0.393643	0.514667	0.001989
12 HR	0.001259	0.287946	0.000745	0.406987	0.363223	0.001696
24 HR	0.001621	0.082913	0.001533	0.267460	0.136326	0.000904
36 HR	0.001726	0.023875	0.001971	0.132497	0.050335	0.000429
48 HR	0.001758	0.006875	0.002175	0.058638	0.018585	0.000192
60 HR	0.001764	0.001980	0.002263	0.024448	0.006862	0.000083
72 HR	0.001767	0.000570	0.002299	0.009832	0.002534	0.000035
84 HR	0.001768	0.000164	0.002313	0.003862	0.000935	0.000015
96 HR	0.001768	0.000047	0.002319	0.001493	0.000345	0.000006
108 HR	0.001768	0.000014	0.002321	0.000570	0.000128	0.000002
120 HR	0.001768	0.000004	0.002322	0.000216	0.000047	0.000001
132 HR	0.001768	0.000001	0.002322	0.000081	0.000017	0.000000

SATURATED IODINE 0.001768
SATURATED XENON 0.002322

TIME HOURS	IODINE		MW/KG	0.04 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.003003
5 SEC	0.000000	0.999856	0.000000	0.000144	0.999881	0.003003
10 SEC	0.000001	0.999712	0.000000	0.000288	0.999762	0.003003
30 SEC	0.000002	0.999136	0.000000	0.000864	0.999287	0.003003
60 SEC	0.000004	0.998272	0.000000	0.001726	0.998574	0.003004
2 MIN	0.000008	0.996548	0.000000	0.003447	0.997151	0.003004
5 MIN	0.000020	0.991392	0.000001	0.008578	0.992892	0.003005
10 MIN	0.000040	0.982857	0.000002	0.017021	0.985835	0.003006
30 MIN	0.000119	0.949448	0.000009	0.049476	0.958105	0.003009
60 MIN	0.000232	0.901452	0.000024	0.094378	0.917965	0.003009
2 HR	0.000442	0.812616	0.000068	0.171713	0.842660	0.002992
4 HR	0.000801	0.660345	0.000201	0.284233	0.710076	0.002906
8 HR	0.001329	0.436055	0.000571	0.389518	0.504207	0.002602
12 HR	0.001678	0.287946	0.000984	0.400529	0.358025	0.002223
24 HR	0.002162	0.082913	0.002008	0.258730	0.128182	0.001190
36 HR	0.002301	0.023875	0.002569	0.125841	0.045892	0.000565
48 HR	0.002341	0.006875	0.002825	0.054617	0.016431	0.000253
60 HR	0.002352	0.001980	0.002933	0.022308	0.005883	0.000109
72 HR	0.002358	0.000570	0.002976	0.008780	0.002106	0.000046
84 HR	0.002357	0.000164	0.002993	0.003372	0.000754	0.000019
96 HR	0.002357	0.000047	0.002999	0.001273	0.000270	0.000008
108 HR	0.002357	0.000014	0.003002	0.000475	0.000097	0.000003
120 HR	0.002357	0.000004	0.003003	0.000175	0.000035	0.000001
132 HR	0.002357	0.000001	0.003003	0.000064	0.000012	0.000001

SATURATED IODINE 0.002357
SATURATED XENON 0.003003

TIME HOURS	IODINE		MW/KG	0.05 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.003645
5 SEC	0.000000	0.999856	0.000000	0.000144	0.999878	0.003645
10 SEC	0.000001	0.999712	0.000000	0.000288	0.999755	0.003645
30 SEC	0.000003	0.999136	0.000000	0.000864	0.999266	0.003645
60 SEC	0.000005	0.998272	0.000000	0.001726	0.998532	0.003645
2 MIN	0.000010	0.996548	0.000001	0.003447	0.997066	0.003646
5 MIN	0.000025	0.991392	0.000001	0.008577	0.992680	0.003647
10 MIN	0.000051	0.982857	0.000003	0.017017	0.985414	0.003650
30 MIN	0.000149	0.949448	0.000011	0.049444	0.956876	0.003656
60 MIN	0.000290	0.901452	0.000030	0.094257	0.915612	0.003660
2 HR	0.000552	0.812616	0.000085	0.171771	0.838345	0.003646
4 HR	0.001001	0.660345	0.000250	0.282761	0.702823	0.003552
8 HR	0.001662	0.436055	0.000709	0.385451	0.493960	0.003192
12 HR	0.002098	0.287946	0.001218	0.394203	0.347167	0.002735
24 HR	0.002702	0.082913	0.002468	0.250364	0.120525	0.001470
36 HR	0.002676	0.023875	0.003140	0.119603	0.041842	0.000700
48 HR	0.002926	0.006875	0.003442	0.050934	0.014526	0.000313
60 HR	0.002941	0.001980	0.003566	0.020392	0.005043	0.000136
72 HR	0.002945	0.000570	0.003615	0.007860	0.001751	0.000057
84 HR	0.002946	0.000164	0.003634	0.002953	0.000608	0.000024
96 HR	0.002946	0.000047	0.003641	0.001090	0.000211	0.000010
108 HR	0.002946	0.000014	0.003643	0.000397	0.000073	0.000004
120 HR	0.002946	0.000004	0.003644	0.000143	0.000025	0.000002
132 HR	0.002946	0.000001	0.003645	0.000051	0.000009	0.000001

SATURATED IODINE 0.002946
SATURATED XENON 0.003645

TIME HOURS	IODINE		MW/KG	0.06 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.004250
5 SEC	0.000001	0.999856	0.000000	0.000144	0.999874	0.004250
10 SEC	0.000001	0.999712	0.000000	0.000288	0.999748	0.004250
30 SEC	0.000003	0.999136	0.000000	0.000864	0.999244	0.004250
60 SEC	0.000006	0.998272	0.000000	0.001726	0.998489	0.004251
2 MIN	0.000012	0.996548	0.000001	0.003447	0.996980	0.004252
5 MIN	0.000030	0.991392	0.000002	0.008576	0.992468	0.004254
10 MIN	0.000061	0.982857	0.000004	0.017013	0.984992	0.004257
30 MIN	0.000179	0.949448	0.000014	0.049413	0.955649	0.004268
60 MIN	0.000348	0.901452	0.000036	0.094136	0.913265	0.004277
2 HR	0.000663	0.812616	0.000101	0.170830	0.834053	0.004269
4 HR	0.001201	0.660345	0.000299	0.281300	0.695645	0.004170
8 HR	0.001994	0.436055	0.000845	0.381440	0.483922	0.003763
12 HR	0.002518	0.287946	0.001447	0.388009	0.336638	0.003232
24 HR	0.003243	0.082913	0.002912	0.242344	0.113325	0.001744
36 HR	0.003451	0.023875	0.003686	0.113753	0.038149	0.000831
48 HR	0.003511	0.006875	0.004027	0.047557	0.012843	0.000373
60 HR	0.003529	0.001980	0.004166	0.018677	0.004323	0.000161
72 HR	0.003534	0.000570	0.004219	0.007055	0.001455	0.000058
84 HR	0.003535	0.000164	0.004239	0.002596	0.000490	0.000029
96 HR	0.003536	0.000047	0.004246	0.000938	0.000165	0.000012
108 HR	0.003536	0.000014	0.004249	0.000334	0.000056	0.000005
120 HR	0.003536	0.000004	0.004250	0.000118	0.000019	0.000002
132 HR	0.003536	0.000001	0.004250	0.000041	0.000006	0.000001

SATURATED IODINE 0.003536
SATURATED XENON 0.004250

TIME HOURS	IODINE		MW/KG	0.07 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.004822
5 SEC	0.000001	0.999856	0.000000	0.000144	0.999871	0.004822
10 SEC	0.000001	0.999712	0.000000	0.000288	0.999741	0.004822
30 SEC	0.000004	0.999136	0.000000	0.000864	0.999223	0.004823
60 SEC	0.000007	0.998272	0.000000	0.001726	0.998446	0.004823
2 MIN	0.000014	0.996548	0.000001	0.003447	0.996895	0.004824
5 MIN	0.000036	0.991392	0.000002	0.008575	0.992256	0.004827
10 MIN	0.000071	0.982857	0.000004	0.017010	0.984571	0.004832
30 MIN	0.000209	0.949448	0.000016	0.049381	0.954424	0.004848
60 MIN	0.000407	0.901452	0.000042	0.094015	0.910924	0.004863
2 HR	0.000773	0.812616	0.000118	0.170390	0.829783	0.004863
4 HR	0.001401	0.660345	0.000347	0.279848	0.688540	0.004765
8 HR	0.002326	0.436055	0.000979	0.377483	0.474087	0.004316
12 HR	0.002937	0.287946	0.001672	0.381942	0.326428	0.003715
24 HR	0.003783	0.082913	0.003340	0.234655	0.106555	0.002012
36 HR	0.004026	0.023875	0.004208	0.108266	0.034783	0.000961
48 HR	0.004097	0.006875	0.004584	0.044460	0.011354	0.000431
60 HR	0.004117	0.001980	0.004733	0.017139	0.003706	0.000187
72 HR	0.004123	0.000570	0.004790	0.006351	0.001210	0.000079
84 HR	0.004124	0.000164	0.004811	0.002291	0.000395	0.000033
96 HR	0.004125	0.000047	0.004818	0.000810	0.000129	0.000014
108 HR	0.004125	0.000014	0.004821	0.000283	0.000042	0.000006
120 HR	0.004125	0.000004	0.004821	0.000097	0.000014	0.000002
132 HR	0.004125	0.000001	0.004822	0.000033	0.000004	0.000001

SATURATED IODINE 0.004125
SATURATED XENON 0.004822

TIME HOURS	IODINE		MW/KG	0.08 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.005363
5 SEC	0.000001	0.999856	0.000000	0.000144	0.999867	0.005363
10 SEC	0.000001	0.999712	0.000000	0.000288	0.999734	0.005364
30 SEC	0.000004	0.999136	0.000000	0.000864	0.999202	0.005364
60 SEC	0.000008	0.998272	0.000000	0.001726	0.998404	0.005365
2 MIN	0.000016	0.996548	0.000001	0.003447	0.996810	0.005366
5 MIN	0.000041	0.991392	0.000002	0.008574	0.992043	0.005370
10 MIN	0.000081	0.982857	0.000005	0.017006	0.984150	0.005377
30 MIN	0.000238	0.949448	0.000018	0.049349	0.953200	0.005399
60 MIN	0.000465	0.901452	0.000048	0.093894	0.908589	0.005421
2 HR	0.000883	0.812616	0.000135	0.169952	0.825535	0.005431
4 HR	0.001601	0.660345	0.000396	0.278407	0.681508	0.005336
8 HR	0.002659	0.436055	0.001111	0.373581	0.464453	0.004851
12 HR	0.003357	0.287946	0.001893	0.375999	0.316528	0.004186
24 HR	0.004323	0.082913	0.003754	0.227282	0.100190	0.002275
36 HR	0.004602	0.023875	0.004707	0.103116	0.031713	0.001088
48 HR	0.004682	0.006875	0.005113	0.041616	0.010038	0.000489
60 HR	0.004705	0.001980	0.005272	0.015757	0.003177	0.000212
72 HR	0.004712	0.000570	0.005331	0.005732	0.001006	0.000090
84 HR	0.004713	0.000164	0.005352	0.002029	0.000318	0.000037
96 HR	0.004714	0.000047	0.005359	0.000704	0.000101	0.000016
108 HR	0.004714	0.000014	0.005362	0.000241	0.000032	0.000006
120 HR	0.004714	0.000004	0.005363	0.000081	0.000010	0.000003
132 HR	0.004714	0.000001	0.005363	0.000027	0.000003	0.000001

SATURATED IODINE 0.004714
SATURATED XENON 0.005363

TIME HOURS	IODINE		MW/KG	0.09 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.005876
5 SEC	0.000001	0.999856	0.000000	0.000144	0.999863	0.005877
10 SEC	0.000002	0.999712	0.000000	0.000288	0.999727	0.005877
30 SEC	0.000005	0.999136	0.000000	0.000864	0.999180	0.005877
60 SEC	0.000009	0.998272	0.000000	0.001726	0.998361	0.005878
2 MIN	0.000018	0.996548	0.000001	0.003447	0.996724	0.005880
5 MIN	0.000046	0.991392	0.000003	0.008573	0.991831	0.005885
10 MIN	0.000091	0.982857	0.000005	0.017002	0.983729	0.005893
30 MIN	0.000268	0.949448	0.000021	0.049318	0.951977	0.005922
60 MIN	0.000523	0.901452	0.000054	0.093774	0.906261	0.005953
2 HR	0.000994	0.812616	0.000151	0.169515	0.821308	0.005975
4 HR	0.001801	0.660345	0.000444	0.276975	0.674547	0.005887
8 HR	0.002991	0.436055	0.001242	0.369732	0.455014	0.005372
12 HR	0.003776	0.287946	0.002109	0.370178	0.306928	0.004645
24 HR	0.004864	0.082913	0.004155	0.220209	0.094205	0.002534
36 HR	0.005177	0.023875	0.005185	0.098281	0.028914	0.001214
48 HR	0.005267	0.006875	0.005617	0.039003	0.008875	0.000546
60 HR	0.005293	0.001980	0.005783	0.014516	0.002724	0.000237
72 HR	0.005300	0.000570	0.005844	0.005188	0.000836	0.000100
84 HR	0.005303	0.000164	0.005865	0.001803	0.000257	0.000042
96 HR	0.005303	0.000047	0.005873	0.000614	0.000079	0.000017
108 HR	0.005303	0.000014	0.005875	0.000206	0.000024	0.000007
120 HR	0.005304	0.000004	0.005876	0.000068	0.000007	0.000003
132 HR	0.005304	0.000001	0.005876	0.000022	0.000002	0.000001

SATURATED IODINE 0.005304
SATURATED XENON 0.005876

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TIME HOURS	IODINE		MW/KG	0.10 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.006363
5 SEC	0.000001	0.999856	0.000000	0.000144	0.999860	0.006364
10 SEC	0.000002	0.999712	0.000000	0.000288	0.999719	0.006364
30 SEC	0.000005	0.999136	0.000000	0.000864	0.999159	0.006364
60 SEC	0.000010	0.998272	0.000001	0.001726	0.998318	0.006366
2 MIN	0.000020	0.996548	0.000001	0.003447	0.996639	0.006368
5 MIN	0.000051	0.991392	0.000003	0.008572	0.991619	0.006374
10 MIN	0.000101	0.982857	0.000006	0.016999	0.983308	0.006384
30 MIN	0.000298	0.949448	0.000023	0.049286	0.950756	0.006420
60 MIN	0.000581	0.901452	0.000059	0.093653	0.903938	0.006461
2 HR	0.001104	0.812616	0.000167	0.169080	0.817103	0.006496
4 HR	0.002002	0.660345	0.000491	0.275553	0.667658	0.006418
8 HR	0.003323	0.436055	0.001370	0.365935	0.445767	0.005878
12 HR	0.004196	0.287946	0.002322	0.364476	0.297619	0.005094
24 HR	0.005404	0.082913	0.004542	0.213425	0.088577	0.002788
36 HR	0.005752	0.023875	0.005643	0.093739	0.026362	0.001338
48 HR	0.005852	0.006875	0.006098	0.036600	0.007846	0.000602
60 HR	0.005881	0.001980	0.006270	0.013399	0.002335	0.000261
72 HR	0.005889	0.000570	0.006331	0.004709	0.000695	0.000111
84 HR	0.005892	0.000164	0.006353	0.001609	0.000207	0.000046
96 HR	0.005893	0.000047	0.006360	0.000539	0.000062	0.000019
108 HR	0.005893	0.000014	0.006362	0.000178	0.000018	0.000008
120 HR	0.005893	0.000004	0.006363	0.000058	0.000005	0.000003
132 HR	0.005893	0.000001	0.006363	0.000019	0.000002	0.000001

SATURATED IODINE 0.005893
SATURATED XENON 0.006363

TIME HOURS	IODINE		MW/KG	0.11 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	-0.	1.000000	0.006826
5 SEC	0.000001	0.999856	0.000000	0.000149	0.999856	0.006826
10 SEC	0.000002	0.999712	0.000000	0.000281	0.999712	0.006827
30 SEC	0.000006	0.999136	0.000000	0.000860	0.999137	0.006828
60 SEC	0.000011	0.998272	0.000001	0.001729	0.998275	0.006829
2 MIN	0.000022	0.996548	0.000001	0.003449	0.996554	0.006831
5 MIN	0.000056	0.991392	0.000003	0.008568	0.991407	0.006839
10 MIN	0.000111	0.982857	0.000007	0.016996	0.982888	0.006851
30 MIN	0.000328	0.949448	0.000025	0.049260	0.949537	0.006895
60 MIN	0.000639	0.901452	0.000065	0.093532	0.901621	0.006946
2 HR	0.001215	0.812616	0.000184	0.168646	0.812920	0.006996
4 HR	0.002202	0.660345	0.000538	0.274145	0.660838	0.006932
8 HR	0.003656	0.436055	0.001497	0.362190	0.436707	0.006371
12 HR	0.004616	0.287946	0.002530	0.358890	0.288593	0.005533
24 HR	0.005945	0.082913	0.004916	0.206914	0.083286	0.003038
36 HR	0.006327	0.023875	0.006082	0.089471	0.024036	0.001460
48 HR	0.006438	0.006875	0.006556	0.034389	0.006937	0.000657
60 HR	0.006469	0.001980	0.006732	0.012392	0.002002	0.000285
72 HR	0.006478	0.000570	0.006794	0.004287	0.000578	0.000121
84 HR	0.006481	0.000164	0.006816	0.001442	0.000167	0.000051
96 HR	0.006482	0.000047	0.006823	0.000475	0.000048	0.000021
108 HR	0.006482	0.000014	0.006825	0.000154	0.000014	0.000009
120 HR	0.006482	0.000004	0.006826	0.000049	0.000004	0.000004
132 HR	0.006482	0.000001	0.006826	0.000016	0.000001	0.000001

SATURATED IODINE 0.006482
SATURATED XENON 0.006826

TIME HOURS	IODINE		MW/KG	0.12 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.007267
5 SEC	0.000001	0.999856	0.000000	0.000144	0.999853	0.007267
10 SEC	0.000002	0.999712	0.000000	0.000288	0.999705	0.007267
30 SEC	0.000006	0.999136	0.000000	0.000864	0.999116	0.007268
60 SEC	0.000012	0.998272	0.000001	0.001726	0.998233	0.007270
2 MIN	0.000024	0.996548	0.000001	0.003446	0.996469	0.007273
5 MIN	0.000061	0.991392	0.000003	0.008571	0.991195	0.007282
10 MIN	0.000121	0.982857	0.000007	0.016992	0.982467	0.007297
30 MIN	0.000357	0.949448	0.000027	0.049223	0.948319	0.007349
60 MIN	0.000697	0.901452	0.000071	0.093413	0.899310	0.007410
2 HR	0.001325	0.812616	0.000200	0.168215	0.808758	0.007477
4 HR	0.002402	0.660345	0.000585	0.272739	0.654089	0.007428
8 HR	0.003988	0.436055	0.001623	0.358497	0.427832	0.006851
12 HR	0.005035	0.287946	0.002734	0.353418	0.279840	0.005964
24 HR	0.006485	0.082913	0.005279	0.200666	0.078311	0.003285
36 HR	0.006903	0.023875	0.006503	0.085457	0.021914	0.001581
48 HR	0.007023	0.006875	0.006993	0.032352	0.006133	0.000712
60 HR	0.007057	0.001980	0.007173	0.011483	0.001716	0.000309
72 HR	0.007067	0.000570	0.007236	0.003913	0.000480	0.000131
84 HR	0.007070	0.000164	0.007257	0.001296	0.000134	0.000055
96 HR	0.007071	0.000047	0.007263	0.000421	0.000038	0.000023
108 HR	0.007071	0.000014	0.007266	0.000134	0.000011	0.000009
120 HR	0.007071	0.000004	0.007266	0.000042	0.000003	0.000004
132 HR	0.007071	0.000001	0.007267	0.000013	0.000001	0.000002

SATURATED IODINE 0.007071
SATURATED XENON 0.007267

TIME HOURS	IODINE		MW/KG	0.13 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.007686
5 SEC	0.000001	0.999856	0.000000	0.000144	0.999849	0.007687
10 SEC	0.000002	0.999712	0.000000	0.000288	0.999698	0.007687
30 SEC	0.000007	0.999136	0.000000	0.000864	0.999095	0.007688
60 SEC	0.000013	0.998272	0.000001	0.001726	0.998190	0.007690
2 MIN	0.000026	0.996548	0.000001	0.003446	0.996383	0.007694
5 MIN	0.000066	0.991392	0.000004	0.008570	0.990983	0.007704
10 MIN	0.000131	0.982857	0.000008	0.016988	0.982047	0.007721
30 MIN	0.000387	0.949448	0.000030	0.049191	0.947103	0.007782
60 MIN	0.000755	0.901452	0.000077	0.093293	0.897004	0.007855
2 HR	0.001435	0.812616	0.000216	0.167784	0.804617	0.007940
4 HR	0.002602	0.660345	0.000631	0.271346	0.647408	0.007910
8 HR	0.004320	0.436055	0.001746	0.354853	0.419138	0.007320
12 HR	0.005455	0.287946	0.002934	0.348057	0.271353	0.006385
24 HR	0.007025	0.082913	0.005629	0.194668	0.073633	0.003528
36 HR	0.007478	0.023875	0.006907	0.081682	0.019980	0.001700
48 HR	0.007608	0.006875	0.006875	0.007411	0.005422	0.000767
60 HR	0.007645	0.001980	0.007593	0.010662	0.001471	0.000333
72 HR	0.007656	0.000570	0.007656	0.003582	0.000399	0.000141
84 HR	0.007659	0.000164	0.007677	0.001170	0.000108	0.000059
96 HR	0.007660	0.000047	0.007683	0.000375	0.000029	0.000024
108 HR	0.007661	0.000014	0.007685	0.000118	0.000008	0.000010
120 HR	0.007661	0.000004	0.007686	0.000037	0.000002	0.000004
132 HR	0.007661	0.000001	0.007686	0.000011	0.000001	0.000002

SATURATED IODINE 0.007661
SATURATED XENON 0.007686

TIME HOURS	IODINE		MW/KG	0.14 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.008087
5 SEC	0.000001	0.999856	0.000000	0.000144	0.999846	0.008087
10 SEC	0.000002	0.999712	0.000000	0.000288	0.999691	0.008087
30 SEC	0.000007	0.999136	0.000000	0.000864	0.999073	0.008089
60 SEC	0.000014	0.998272	0.000001	0.001726	0.998147	0.008091
2 MIN	0.000028	0.996548	0.000002	0.003446	0.996298	0.008095
5 MIN	0.000071	0.991392	0.000004	0.008569	0.990771	0.008107
10 MIN	0.000141	0.982857	0.000008	0.016984	0.981627	0.008126
30 MIN	0.000417	0.949448	0.000032	0.049159	0.945889	0.008197
60 MIN	0.000813	0.901452	0.000083	0.093174	0.894705	0.008283
2 HR	0.001546	0.812616	0.000233	0.167355	0.800497	0.008387
4 HR	0.002802	0.660345	0.000678	0.269962	0.640796	0.008377
8 HR	0.004653	0.436055	0.001868	0.351259	0.410620	0.007779
12 HR	0.005874	0.287946	0.003131	0.342804	0.263124	0.006799
24 HR	0.007566	0.082913	0.005968	0.188909	0.069234	0.003768
36 HR	0.008053	0.023875	0.007295	0.078129	0.018217	0.001818
48 HR	0.008193	0.006875	0.007811	0.028742	0.004793	0.000820
60 HR	0.008234	0.001980	0.007995	0.009919	0.001261	0.000356
72 HR	0.008245	0.000570	0.008057	0.003289	0.000332	0.000151
84 HR	0.008249	0.000164	0.008077	0.001061	0.000087	0.000063
96 HR	0.008250	0.000047	0.008084	0.000335	0.000023	0.000026
108 HR	0.008250	0.000014	0.008086	0.000104	0.000006	0.000011
120 HR	0.008250	0.000004	0.008086	0.000032	0.000002	0.000004
132 HR	0.008250	0.000001	0.008087	0.000010	0.000000	0.000002

SATURATED IODINE 0.008250
SATURATED XENON 0.008087

TIME HOURS	IODINE		MW/KG	0.15 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.008469
5 SEC	0.000001	0.999856	0.000000	0.000144	0.999842	0.008469
10 SEC	0.000003	0.999712	0.000000	0.000288	0.999684	0.008470
30 SEC	0.000008	0.999136	0.000000	0.000864	0.999052	0.008471
60 SEC	0.000015	0.998272	0.000001	0.001726	0.998105	0.008474
2 MIN	0.000031	0.996548	0.000002	0.003446	0.996213	0.008478
5 MIN	0.000076	0.991392	0.000004	0.008568	0.990559	0.008492
10 MIN	0.000152	0.982857	0.000009	0.016981	0.981208	0.008514
30 MIN	0.000447	0.949448	0.000034	0.049128	0.944676	0.008594
60 MIN	0.000871	0.901452	0.000089	0.093054	0.892412	0.008693
2 HR	0.001656	0.812616	0.000249	0.166927	0.796399	0.008818
4 HR	0.003002	0.660345	0.000723	0.268588	0.634251	0.008831
8 HR	0.004985	0.436055	0.001989	0.347713	0.402275	0.008228
12 HR	0.006294	0.287946	0.003324	0.337657	0.255143	0.007206
24 HR	0.008106	0.082913	0.006297	0.183378	0.065098	0.004005
36 HR	0.008628	0.023875	0.007667	0.074784	0.016609	0.001935
48 HR	0.008778	0.006875	0.008193	0.027142	0.004238	0.000874
60 HR	0.008822	0.001980	0.008378	0.009246	0.001081	0.000380
72 HR	0.008834	0.000570	0.008440	0.003028	0.000276	0.000161
84 HR	0.008838	0.000164	0.008460	0.000965	0.000070	0.000067
96 HR	0.008839	0.000047	0.008466	0.000302	0.000018	0.000028
108 HR	0.008839	0.000014	0.008468	0.000093	0.000005	0.000011
120 HR	0.008839	0.000004	0.008469	0.000028	0.000001	0.000005
132 HR	0.008839	0.000001	0.008469	0.000009	0.000000	0.000002

SATURATED IODINE 0.008839
SATURATED XENON 0.008469

TIME HOURS	IODINE		MW/KG	0.16 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.008834
5 SEC	0.C00001	0.999856	0.000000	0.000144	0.999838	0.008835
10 SEC	0.C00003	0.999712	0.000000	0.000288	0.999677	0.008835
30 SEC	0.C00008	0.999136	0.000000	0.000864	0.999031	0.008837
60 SEC	0.C00016	0.998272	0.000001	0.001726	0.998062	0.008840
2 MIN	0.C00033	0.996548	0.000002	0.003445	0.996128	0.008845
5 MIN	0.C00081	0.991392	0.000005	0.008567	0.990347	0.008860
10 MIN	0.C00162	0.982857	0.000010	0.016977	0.980788	0.008885
30 MIN	0.C00477	0.949448	0.000037	0.049096	0.943464	0.008976
60 MIN	0.C00929	0.901452	0.000094	0.092935	0.890124	0.009088
2 HR	0.C01767	0.812616	0.000265	0.166501	0.792322	0.009235
4 HR	0.C03202	0.660345	0.000769	0.267223	0.627773	0.009272
8 HR	0.C05317	0.436055	0.002107	0.344215	0.394100	0.008667
12 HR	0.C06714	0.287946	0.003513	0.332613	0.247405	0.007605
24 HR	0.C08647	0.082913	0.006615	0.178065	0.061209	0.004240
36 HR	0.C09203	0.023875	0.008025	0.071632	0.015144	0.002051
48 HR	0.C09364	0.006875	0.008559	0.025663	0.003747	0.000927
60 HR	0.C09410	0.001980	0.008745	0.008636	0.000927	0.000403
72 HR	0.C09423	0.000570	0.008806	0.002795	0.000229	0.000171
84 HR	0.C09427	0.000164	0.008826	0.000881	0.000057	0.000072
96 HR	0.C09428	0.000047	0.008832	0.000273	0.000014	0.000030
108 HR	0.C09428	0.000014	0.008834	0.000083	0.000003	0.000012
120 HR	0.C09428	0.000004	0.008834	0.000025	0.000001	0.000005
132 HR	0.C09428	0.000001	0.008834	0.000008	0.000000	0.000002

SATURATED IODINE 0.009428
SATURATED XENON 0.008834

TIME HOURS	IODINE		MW/KG	0.17 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.009184
5 SEC	0.C00001	0.999856	0.000000	0.000144	0.999835	0.009184
10 SEC	0.C00003	0.999712	0.000000	0.000288	0.999670	0.009185
30 SEC	0.C00009	0.999136	0.000000	0.000864	0.999009	0.009187
60 SEC	0.C00017	0.998272	0.000001	0.001726	0.998019	0.009190
2 MIN	0.C00035	0.996548	0.000002	0.003445	0.996043	0.009196
5 MIN	0.C00086	0.991392	0.000005	0.008566	0.990136	0.009213
10 MIN	0.C00172	0.982857	0.000010	0.016973	0.980368	0.009240
30 MIN	0.C00506	0.949448	0.000039	0.049065	0.942254	0.009341
60 MIN	0.C00987	0.901452	0.000100	0.092816	0.887843	0.009488
2 HR	0.C01877	0.812616	0.000281	0.166076	0.788265	0.009638
4 HR	0.C03403	0.660345	0.000814	0.265868	0.621362	0.009702
8 HR	0.C05649	0.436055	0.002224	0.340765	0.386090	0.009098
12 HR	0.C07133	0.287946	0.003698	0.327671	0.239902	0.007999
24 HR	0.C09187	0.082913	0.006923	0.172961	0.057553	0.004471
36 HR	0.C09779	0.023875	0.008369	0.068662	0.013807	0.002166
48 HR	0.C09949	0.006875	0.008910	0.024295	0.003312	0.000979
60 HR	0.C09998	0.001980	0.009096	0.008081	0.000795	0.000426
72 HR	0.C10012	0.000570	0.009156	0.002587	0.000191	0.000181
84 HR	0.C10016	0.000164	0.009176	0.000807	0.000046	0.000076
96 HR	0.C10017	0.000047	0.009181	0.000247	0.000011	0.000031
108 HR	0.C10018	0.000014	0.009183	0.000075	0.000003	0.000013
120 HR	0.C10018	0.000004	0.009184	0.000022	0.000001	0.000005
132 HR	0.C10018	0.000001	0.009184	0.000007	0.000000	0.000002

SATURATED IODINE 0.010018
SATURATED XENON 0.009184

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TIME HOURS	IODINE		MW/KG	0.18 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.009519
5 SEC	0.C00002	0.999856	0.000000	0.000144	0.999831	0.009519
10 SEC	0.C00003	0.999712	0.000000	0.000288	0.999662	0.009520
30 SEC	0.C00009	0.999136	0.000000	0.000864	0.998988	0.009522
60 SEC	0.C00018	0.998272	0.000001	0.001726	0.997977	0.009525
2 MIN	0.C00037	0.996548	0.000002	0.003445	0.995957	0.009532
5 MIN	0.C00091	0.991392	0.000005	0.008565	0.989924	0.009550
10 MIN	0.C00182	0.982857	0.000011	0.016970	0.979949	0.009581
30 MIN	0.C00536	0.949448	0.000041	0.049034	0.941046	0.009693
60 MIN	0.C01045	0.901452	0.000106	0.092698	0.885567	0.009834
2 HR	0.C01988	0.812616	0.000297	0.165653	0.784229	0.010028
4 HR	0.C03603	0.660345	0.000859	0.264522	0.615015	0.010121
8 HR	0.C05982	0.436055	0.002340	0.337360	0.378244	0.009521
12 HR	0.C07553	0.287946	0.003880	0.322826	0.287946	0.008386
24 HR	0.C09728	0.082913	0.007221	0.168055	0.054115	0.004701
36 HR	0.C10354	0.023875	0.008700	0.065861	0.012589	0.002279
48 HR	0.C10534	0.006875	0.009247	0.023028	0.002928	0.001031
60 HR	0.C10586	0.001980	0.009432	0.007576	0.000681	0.000449
72 HR	0.C10601	0.000570	0.009492	0.002401	0.000158	0.000191
84 HR	0.C10605	0.000164	0.009511	0.000743	0.000037	0.000080
96 HR	0.C10607	0.000047	0.009516	0.000226	0.000009	0.000033
108 HR	0.C10607	0.000014	0.009518	0.000068	0.000002	0.000014
120 HR	0.C10607	0.000004	0.009519	0.000020	0.000000	0.000006
132 HR	0.C10607	0.000001	0.009519	0.000006	0.000000	0.000002

SATURATED IODINE 0.010607
SATURATED XENON 0.009519

TIME HOURS	IODINE		MW/KG	0.19 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.009840
5 SEC	0.C00002	0.999856	0.000000	0.000144	0.999828	0.009840
10 SEC	0.C00003	0.999712	0.000000	0.000288	0.999655	0.009841
30 SEC	0.C00010	0.999136	0.000000	0.000864	0.998966	0.009843
60 SEC	0.C00019	0.998272	0.000001	0.001726	0.997934	0.009847
2 MIN	0.C00039	0.996548	0.000002	0.003445	0.995872	0.009854
5 MIN	0.C00096	0.991392	0.000005	0.008564	0.989712	0.009874
10 MIN	0.C00192	0.982857	0.000011	0.016966	0.979530	0.009908
30 MIN	0.C00566	0.949448	0.000043	0.049002	0.939839	0.010032
60 MIN	0.C01103	0.901452	0.000112	0.092579	0.883297	0.010188
2 HR	0.C02098	0.812616	0.000313	0.165231	0.780214	0.010406
4 HR	0.C03803	0.660345	0.000903	0.263184	0.608734	0.010529
8 HR	0.C06314	0.436055	0.002454	0.334002	0.370557	0.009936
12 HR	0.C07972	0.287946	0.004059	0.318081	0.225571	0.008768
24 HR	0.C10268	0.082913	0.007510	0.163340	0.050882	0.004928
36 HR	0.C10929	0.023875	0.009019	0.063218	0.011478	0.002392
48 HR	0.C11119	0.006875	0.009570	0.021854	0.002589	0.001083
60 HR	0.C11174	0.001980	0.009754	0.007116	0.000584	0.000471
72 HR	0.C11190	0.000570	0.009814	0.002235	0.000132	0.000200
84 HR	0.C11194	0.000164	0.009832	0.000685	0.000030	0.000084
96 HR	0.C11196	0.000047	0.009838	0.000207	0.000007	0.000035
108 HR	0.C11196	0.000014	0.009839	0.000062	0.000002	0.000014
120 HR	0.C11196	0.000004	0.009840	0.000018	0.000000	0.000006
132 HR	0.C11196	0.000001	0.009840	0.000005	0.000000	0.000002

SATURATED IODINE 0.011196
SATURATED XENON 0.009840

TIME HOURS	MW/KG		0.20		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	0.010148
5 SEC	0.000002	0.999856	0.000000	0.000144	0.010149
10 SEC	0.000003	0.999712	0.000000	0.000288	0.010149
30 SEC	0.000010	0.999136	0.000001	0.000864	0.010152
60 SEC	0.000020	0.998272	0.000001	0.001726	0.010156
2 MIN	0.000041	0.996548	0.000002	0.003445	0.010163
5 MIN	0.000101	0.991392	0.000006	0.008563	0.010186
10 MIN	0.000202	0.982857	0.000012	0.016963	0.010222
30 MIN	0.000596	0.949448	0.000046	0.048971	0.010357
60 MIN	0.001161	0.901452	0.000118	0.092461	0.010530
2 HR	0.002208	0.812616	0.000329	0.164810	0.010773
4 HR	0.004003	0.660345	0.000947	0.261856	0.010928
8 HR	0.006646	0.436055	0.002567	0.330688	0.010344
12 HR	0.008392	0.287946	0.004234	0.313429	0.009144
24 HR	0.010808	0.082913	0.007791	0.158807	0.005153
36 HR	0.011504	0.023875	0.009326	0.060723	0.002504
48 HR	0.011705	0.006875	0.009880	0.020765	0.002289
60 HR	0.011762	0.001980	0.010064	0.006697	0.000501
72 HR	0.011779	0.000570	0.010122	0.002085	0.000210
84 HR	0.011784	0.000164	0.010140	0.000635	0.000088
96 HR	0.011785	0.000047	0.010146	0.000190	0.000005
108 HR	0.011785	0.000014	0.010147	0.000056	0.000001
120 HR	0.011786	0.000004	0.010148	0.000017	0.000000
132 HR	0.011786	0.000001	0.010148	0.000005	0.000003

SATURATED IODINE 0.011786
SATURATED XENON 0.010148

TIME HOURS	MW/KG		0.21		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	0.010444
5 SEC	0.000002	0.999856	0.000000	0.000144	0.010444
10 SEC	0.000004	0.999712	0.000000	0.000288	0.010445
30 SEC	0.000011	0.999136	0.000001	0.000864	0.010448
60 SEC	0.000021	0.998272	0.000001	0.001726	0.010452
2 MIN	0.000043	0.996548	0.000002	0.003445	0.010460
5 MIN	0.000107	0.991392	0.000006	0.008562	0.010485
10 MIN	0.000212	0.982857	0.000013	0.016959	0.010524
30 MIN	0.000626	0.949448	0.000048	0.048939	0.010671
60 MIN	0.001220	0.901452	0.000123	0.092343	0.010860
2 HR	0.002319	0.812616	0.000344	0.164391	0.011130
4 HR	0.004203	0.660345	0.000991	0.260537	0.011318
8 HR	0.006979	0.436055	0.002678	0.327419	0.010745
12 HR	0.008812	0.287946	0.004406	0.308869	0.009516
24 HR	0.011349	0.082913	0.008063	0.154448	0.005376
36 HR	0.012079	0.023875	0.009622	0.058367	0.002615
48 HR	0.012290	0.006875	0.010178	0.019754	0.002024
60 HR	0.012350	0.001980	0.010361	0.006313	0.000516
72 HR	0.012368	0.000570	0.010419	0.001950	0.000220
84 HR	0.012373	0.000164	0.010436	0.000590	0.000092
96 HR	0.012374	0.000047	0.010441	0.000176	0.000004
108 HR	0.012375	0.000014	0.010443	0.000052	0.000001
120 HR	0.012375	0.000004	0.010444	0.000015	0.000000
132 HR	0.012375	0.000001	0.010444	0.000004	0.000003

SATURATED IODINE 0.012375
SATURATED XENON 0.010444

TIME HOURS	MW/KG		0.22		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	0.010728
5 SEC	0.000002	0.999856	0.000000	0.000144	0.010729
10 SEC	0.000004	0.999712	0.000000	0.000288	0.010729
30 SEC	0.000011	0.999136	0.000001	0.000864	0.010732
60 SEC	0.000022	0.998272	0.000001	0.001726	0.010737
2 MIN	0.000045	0.996548	0.000002	0.003445	0.010746
5 MIN	0.000112	0.991392	0.000006	0.008561	0.010772
10 MIN	0.000222	0.982857	0.000013	0.016955	0.010815
30 MIN	0.000655	0.949448	0.000050	0.048908	0.010974
60 MIN	0.001278	0.901452	0.000129	0.092225	0.011179
2 HR	0.002429	0.812616	0.000360	0.163974	0.011477
4 HR	0.004403	0.660345	0.001035	0.259227	0.011699
8 HR	0.007311	0.436055	0.002787	0.324194	0.011140
12 HR	0.009231	0.287946	0.004575	0.304400	0.009883
24 HR	0.011889	0.082913	0.008326	0.150255	0.005297
36 HR	0.012655	0.023875	0.009907	0.056141	0.002726
48 HR	0.012875	0.006875	0.010465	0.018813	0.001789
60 HR	0.012938	0.001980	0.010647	0.005962	0.000368
72 HR	0.012957	0.000570	0.010703	0.001829	0.000229
84 HR	0.012962	0.000164	0.010721	0.000550	0.000096
96 HR	0.012964	0.000047	0.010726	0.000163	0.000003
108 HR	0.012964	0.000014	0.010727	0.000048	0.000001
120 HR	0.012964	0.000004	0.010728	0.000014	0.000000
132 HR	0.012964	0.000001	0.010728	0.000004	0.000003

SATURATED IODINE 0.012964
SATURATED XENON 0.010728

TIME HOURS	MW/KG		0.23		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	0.011001
5 SEC	0.000002	0.999856	0.000000	0.000144	0.011002
10 SEC	0.000004	0.999712	0.000000	0.000288	0.011003
30 SEC	0.000012	0.999136	0.000001	0.000864	0.011006
60 SEC	0.000023	0.998272	0.000001	0.001726	0.011011
2 MIN	0.000047	0.996548	0.000002	0.003445	0.011020
5 MIN	0.000117	0.991392	0.000006	0.008560	0.011049
10 MIN	0.000232	0.982857	0.000014	0.016952	0.011095
30 MIN	0.000685	0.949448	0.000052	0.048877	0.011267
60 MIN	0.001338	0.901452	0.000135	0.092107	0.011489
2 HR	0.002540	0.812616	0.000376	0.163557	0.011814
4 HR	0.004603	0.660345	0.001078	0.257926	0.012073
8 HR	0.007643	0.436055	0.002895	0.321011	0.011529
12 HR	0.009651	0.287946	0.004741	0.300019	0.010245
24 HR	0.012430	0.082913	0.008582	0.146221	0.005971
36 HR	0.013230	0.023875	0.010182	0.054036	0.002835
48 HR	0.013460	0.006875	0.010741	0.017939	0.001286
60 HR	0.013527	0.001980	0.010921	0.005640	0.000315
72 HR	0.013546	0.000570	0.010977	0.001719	0.000239
84 HR	0.013551	0.000164	0.010994	0.000514	0.000100
96 HR	0.013553	0.000047	0.010999	0.000152	0.000041
108 HR	0.013553	0.000014	0.011001	0.000044	0.000000
120 HR	0.013553	0.000004	0.011001	0.000013	0.000000
132 HR	0.013553	0.000001	0.011001	0.000004	0.000003

SATURATED IODINE 0.013553
SATURATED XENON 0.011001

TIME HOURS	IODINE		MW/KG	0.24 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.011264
5 SEC	0.C00002	0.999856	0.000000	0.000144	0.999810	0.011265
10 SEC	0.C00004	0.999712	0.000000	0.000288	0.999620	0.011266
30 SEC	0.C00012	0.999136	0.000001	0.000864	0.998860	0.011270
60 SEC	0.C00024	0.998272	0.000001	0.001726	0.997720	0.011275
2 MIN	0.C00049	0.996548	0.000003	0.003444	0.995446	0.011285
5 MIN	0.C00122	0.991392	0.000007	0.008559	0.988654	0.011315
10 MIN	0.C00242	0.982857	0.000014	0.016948	0.977437	0.011365
30 MIN	0.C00715	0.949448	0.000055	0.048846	0.933828	0.011550
60 MIN	0.C01394	0.901452	0.000140	0.091990	0.872035	0.011789
2 HR	0.C02650	0.812616	0.000391	0.163143	0.760445	0.012143
4 HR	0.C04804	0.660345	0.001121	0.256633	0.578276	0.012438
8 HR	0.C07976	0.436055	0.003002	0.317871	0.334403	0.011913
12 HR	0.C10070	0.287946	0.004904	0.295724	0.193377	0.010603
24 HR	0.C12970	0.082913	0.008830	0.142339	0.037395	0.006034
36 HR	0.C13805	0.023875	0.010447	0.052044	0.007231	0.002944
48 HR	0.C14045	0.006875	0.011007	0.017124	0.001398	0.001337
60 HR	0.C14115	0.001980	0.011186	0.005344	0.000270	0.000583
72 HR	0.C14135	0.000570	0.011241	0.001619	0.000052	0.000248
84 HR	0.C14140	0.000164	0.011258	0.000482	0.000010	0.000104
96 HR	0.C14142	0.000047	0.011262	0.000142	0.000002	0.000043
108 HR	0.C14143	0.000014	0.011264	0.000041	0.000000	0.000018
120 HR	0.C14143	0.000004	0.011264	0.000012	0.000000	0.000007
132 HR	0.C14143	0.000001	0.011264	0.000003	0.000000	0.000003

SATURATED IODINE 0.014143
SATURATED XENON 0.011264

TIME HOURS	IODINE		MW/KG	0.25 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.011518
5 SEC	0.C00002	0.999856	0.000000	0.000144	0.999806	0.011519
10 SEC	0.C00004	0.999712	0.000000	0.000288	0.999613	0.011520
30 SEC	0.C00013	0.999136	0.000001	0.000864	0.998838	0.011523
60 SEC	0.C00025	0.998272	0.000001	0.001726	0.997678	0.011529
2 MIN	0.C00051	0.996548	0.000003	0.003444	0.995361	0.011540
5 MIN	0.C00127	0.991392	0.000007	0.008558	0.988443	0.011572
10 MIN	0.C00253	0.982857	0.000015	0.016945	0.977019	0.011625
30 MIN	0.C00745	0.949448	0.000057	0.048814	0.932630	0.011823
60 MIN	0.C01452	0.901452	0.000146	0.091872	0.869800	0.012080
2 HR	0.C02761	0.812616	0.000407	0.162729	0.756551	0.012463
4 HR	0.C05004	0.660345	0.001164	0.255349	0.572370	0.012797
8 HR	0.C08308	0.436055	0.003107	0.314773	0.327607	0.012291
12 HR	0.C10490	0.287946	0.005064	0.291513	0.187513	0.010958
24 HR	0.C13511	0.082913	0.009071	0.138602	0.035161	0.006250
36 HR	0.C14380	0.023875	0.010703	0.050160	0.006593	0.003053
48 HR	0.C14631	0.006875	0.011263	0.016365	0.001236	0.001386
60 HR	0.C14703	0.001980	0.011441	0.005073	0.000232	0.000605
72 HR	0.C14724	0.000570	0.011495	0.001528	0.000043	0.000257
84 HR	0.C14730	0.000164	0.011511	0.000453	0.000008	0.000108
96 HR	0.C14731	0.000047	0.011516	0.000133	0.000002	0.000045
108 HR	0.C14732	0.000014	0.011517	0.000039	0.000000	0.000018
120 HR	0.C14732	0.000004	0.011518	0.000011	0.000000	0.000008
132 HR	0.C14732	0.000001	0.011518	0.000003	0.000000	0.000003

SATURATED IODINE 0.014732
SATURATED XENON 0.011518

TIME HOURS	IODINE		MW/KG	0.26 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.011762
5 SEC	0.C00002	0.999856	0.000000	0.000144	0.999803	0.011763
10 SEC	0.C00004	0.999712	0.000000	0.000288	0.999605	0.011764
30 SEC	0.C00013	0.999136	0.000001	0.000864	0.998817	0.011768
60 SEC	0.C00026	0.998272	0.000001	0.001726	0.997635	0.011774
2 MIN	0.C00053	0.996548	0.000003	0.003444	0.995278	0.011786
5 MIN	0.C00132	0.991392	0.000007	0.008558	0.988232	0.011820
10 MIN	0.C00263	0.982857	0.000016	0.016941	0.976602	0.011877
30 MIN	0.C00775	0.949448	0.000059	0.048783	0.931434	0.012087
60 MIN	0.C01510	0.901452	0.000152	0.091755	0.867570	0.012362
2 HR	0.C02871	0.812616	0.000422	0.162317	0.752678	0.012775
4 HR	0.C05204	0.660345	0.001206	0.254074	0.586524	0.013149
8 HR	0.C08640	0.436055	0.003211	0.311716	0.320949	0.012684
12 HR	0.C10910	0.287946	0.005220	0.287385	0.181826	0.011308
24 HR	0.C14051	0.082913	0.009305	0.135005	0.033061	0.006464
36 HR	0.C14955	0.023875	0.010950	0.048375	0.006011	0.003160
48 HR	0.C15218	0.006875	0.011510	0.015657	0.001093	0.001436
60 HR	0.C15291	0.001980	0.011686	0.004823	0.000199	0.000627
72 HR	0.C15313	0.000570	0.011740	0.001446	0.000036	0.000257
84 HR	0.C15319	0.000164	0.011756	0.000427	0.000007	0.000112
96 HR	0.C15321	0.000047	0.011760	0.000125	0.000001	0.000046
108 HR	0.C15321	0.000014	0.011762	0.000036	0.000000	0.000019
120 HR	0.C15321	0.000004	0.011762	0.000010	0.000000	0.000008
132 HR	0.C15321	0.000001	0.011762	0.000003	0.000000	0.000003

SATURATED IODINE 0.015321
SATURATED XENON 0.011762

TIME HOURS	IODINE		MW/KG	0.27 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.011998
5 SEC	0.C00002	0.999856	0.000000	0.000144	0.999799	0.011999
10 SEC	0.C00005	0.999712	0.000000	0.000288	0.999598	0.012000
30 SEC	0.C00014	0.999136	0.000001	0.000864	0.998796	0.012004
60 SEC	0.C00027	0.998272	0.000001	0.001726	0.997592	0.012010
2 MIN	0.C00055	0.996548	0.000003	0.003444	0.995191	0.012023
5 MIN	0.C00137	0.991392	0.000008	0.008557	0.988020	0.012059
10 MIN	0.C00273	0.982857	0.000016	0.016937	0.976184	0.012119
30 MIN	0.C00804	0.949448	0.000061	0.048752	0.930240	0.012344
60 MIN	0.C01568	0.901452	0.000158	0.091638	0.865346	0.012637
2 HR	0.C02981	0.812616	0.000438	0.161907	0.748824	0.013080
4 HR	0.C05404	0.660345	0.001248	0.252808	0.580738	0.013494
8 HR	0.C08973	0.436055	0.003314	0.308699	0.314427	0.013033
12 HR	0.C11329	0.287946	0.005374	0.283337	0.176311	0.011656
24 HR	0.C14591	0.082913	0.009532	0.131541	0.031086	0.006677
36 HR	0.C15531	0.023875	0.011189	0.046685	0.005481	0.003288
48 HR	0.C15801	0.006875	0.011748	0.014996	0.000966	0.001486
60 HR	0.C15879	0.001980	0.011923	0.004592	0.000170	0.000648
72 HR	0.C15901	0.000570	0.011976	0.001370	0.000030	0.000276
84 HR	0.C15908	0.000164	0.011991	0.000403	0.000005	0.000116
96 HR	0.C15910	0.000047	0.011996	0.000118	0.000001	0.000048
108 HR	0.C15910	0.000014	0.011997	0.000034	0.000000	0.000020
120 HR	0.C15911	0.000004	0.011998	0.000010	0.000000	0.000008
132 HR	0.C15911	0.000001	0.011998	0.000003	0.000000	0.000003

SATURATED IODINE 0.015911
SATURATED XENON 0.011998

TIME HOURS	IODINE		MW/KG	0.28 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.012225
5 SEC	0.000002	0.999856	0.000000	0.000144	0.999796	0.012226
10 SEC	0.000005	0.999712	0.000000	0.000288	0.999591	0.012228
30 SEC	0.000014	0.999136	0.000001	0.000864	0.998774	0.012232
60 SEC	0.000029	0.998272	0.000001	0.001726	0.997550	0.012238
2 MIN	0.000057	0.996548	0.000003	0.003444	0.995106	0.012252
5 MIN	0.000142	0.991392	0.000008	0.008556	0.987809	0.012290
10 MIN	0.000283	0.982857	0.000017	0.016934	0.975766	0.012354
30 MIN	0.000834	0.949448	0.000064	0.048721	0.929047	0.012592
60 MIN	0.001626	0.901452	0.000163	0.091522	0.883128	0.012903
2 HR	0.003092	0.812616	0.000453	0.161498	0.744990	0.013378
4 HR	0.005604	0.660345	0.001290	0.251550	0.555011	0.013833
8 HR	0.009305	0.436055	0.003415	0.305722	0.308037	0.013397
12 HR	0.011749	0.287946	0.005526	0.279369	0.170964	0.011999
24 HR	0.015132	0.082913	0.009753	0.128205	0.029229	0.006889
36 HR	0.016106	0.023875	0.011420	0.045082	0.004997	0.003374
48 HR	0.016386	0.006875	0.011978	0.014377	0.000854	0.001535
60 HR	0.016467	0.001980	0.012151	0.004379	0.000146	0.000670
72 HR	0.016490	0.000570	0.012204	0.001302	0.000025	0.000285
84 HR	0.016497	0.000164	0.012219	0.000382	0.000004	0.000120
96 HR	0.016499	0.000047	0.012223	0.000111	0.000001	0.000050
108 HR	0.016500	0.000014	0.012225	0.000032	0.000000	0.000020
120 HR	0.016500	0.000004	0.012225	0.000009	0.000000	0.000008
132 HR	0.016500	0.000001	0.012225	0.000003	0.000000	0.000003

SATURATED IODINE 0.016500
SATURATED XENON 0.012225

TIME HOURS	IODINE		MW/KG	0.29 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.012445
5 SEC	0.000002	0.999856	0.000000	0.000144	0.999792	0.012446
10 SEC	0.000005	0.999712	0.000000	0.000288	0.999584	0.012447
30 SEC	0.000015	0.999136	0.000001	0.000864	0.998753	0.012452
60 SEC	0.000030	0.998272	0.000002	0.001726	0.997507	0.012459
2 MIN	0.000059	0.996548	0.000003	0.003444	0.995021	0.012473
5 MIN	0.000147	0.991392	0.000008	0.008555	0.987598	0.012514
10 MIN	0.000293	0.982857	0.000017	0.016930	0.975349	0.012581
30 MIN	0.000864	0.949448	0.000066	0.048690	0.927856	0.012833
60 MIN	0.001684	0.901452	0.000169	0.091405	0.860916	0.013163
2 HR	0.003202	0.812616	0.000468	0.161090	0.741176	0.013669
4 HR	0.005804	0.660345	0.001331	0.250300	0.549342	0.014167
8 HR	0.009637	0.436055	0.003515	0.302785	0.301777	0.013756
12 HR	0.012168	0.287946	0.005674	0.275477	0.165779	0.012340
24 HR	0.015672	0.082913	0.009967	0.124991	0.027483	0.007099
36 HR	0.016681	0.023875	0.011644	0.043561	0.004556	0.003480
48 HR	0.016972	0.006875	0.012200	0.013798	0.000755	0.001584
60 HR	0.017055	0.001980	0.012372	0.004181	0.000125	0.000692
72 HR	0.017079	0.000570	0.012424	0.001238	0.000021	0.000294
84 HR	0.017086	0.000164	0.012439	0.000362	0.000003	0.000123
96 HR	0.017088	0.000047	0.012443	0.000105	0.000001	0.000051
108 HR	0.017089	0.000014	0.012444	0.000030	0.000000	0.000021
120 HR	0.017089	0.000004	0.012445	0.000009	0.000000	0.000009
132 HR	0.017089	0.000001	0.012445	0.000003	0.000000	0.000004

SATURATED IODINE 0.017089
SATURATED XENON 0.012445

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TIME HOURS	IODINE		MW/KG	0.30 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.012657
5 SEC	0.000003	0.999856	0.000000	0.000144	0.999789	0.012658
10 SEC	0.000005	0.999712	0.000000	0.000288	0.999577	0.012660
30 SEC	0.000015	0.999136	0.000001	0.000864	0.998731	0.012664
60 SEC	0.000031	0.998272	0.000002	0.001725	0.997464	0.012672
2 MIN	0.000061	0.996548	0.000003	0.003444	0.994935	0.012686
5 MIN	0.000152	0.991392	0.000008	0.008554	0.987387	0.012730
10 MIN	0.000303	0.982857	0.000018	0.016926	0.974932	0.012800
30 MIN	0.000894	0.949448	0.000068	0.048659	0.926666	0.013066
60 MIN	0.001742	0.901452	0.000174	0.091289	0.858709	0.013416
2 HR	0.003313	0.812616	0.000483	0.160683	0.737382	0.013954
4 HR	0.006005	0.660345	0.001372	0.249059	0.543731	0.014495
8 HR	0.009970	0.436055	0.003614	0.299886	0.295644	0.014112
12 HR	0.012588	0.287946	0.005820	0.271661	0.160751	0.012678
24 HR	0.016213	0.082913	0.010175	0.121893	0.025841	0.007309
36 HR	0.017254	0.023875	0.011860	0.042119	0.004154	0.003586
48 HR	0.017557	0.006875	0.012414	0.013256	0.000668	0.001632
60 HR	0.017643	0.001980	0.012585	0.003999	0.000107	0.000713
72 HR	0.017668	0.000570	0.012636	0.001181	0.000017	0.000304
84 HR	0.017676	0.000164	0.012651	0.000345	0.000003	0.000127
96 HR	0.017678	0.000047	0.012655	0.000100	0.000000	0.000053
108 HR	0.017678	0.000014	0.012657	0.000029	0.000000	0.000022
120 HR	0.017678	0.000004	0.012657	0.000008	0.000000	0.000009
132 HR	0.017678	0.000001	0.012657	0.000002	0.000000	0.000004

SATURATED IODINE 0.017678
SATURATED XENON 0.012657

TIME HOURS	IODINE		MW/KG	0.31 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.012862
5 SEC	0.000003	0.999856	0.000000	0.000144	0.999785	0.012864
10 SEC	0.000005	0.999712	0.000000	0.000288	0.999570	0.012865
30 SEC	0.000016	0.999136	0.000001	0.000864	0.998710	0.012870
60 SEC	0.000032	0.998272	0.000002	0.001725	0.997422	0.012878
2 MIN	0.000063	0.996548	0.000003	0.003443	0.994850	0.012893
5 MIN	0.000157	0.991392	0.000009	0.008553	0.987175	0.012939
10 MIN	0.000313	0.982857	0.000019	0.016923	0.974515	0.013013
30 MIN	0.000923	0.949448	0.000070	0.048627	0.925477	0.013293
60 MIN	0.001800	0.901452	0.000180	0.091173	0.856508	0.013662
2 HR	0.003423	0.812616	0.000499	0.160278	0.733606	0.014233
4 HR	0.006205	0.660345	0.001413	0.247826	0.538178	0.014818
8 HR	0.010302	0.436055	0.003711	0.297025	0.289636	0.014464
12 HR	0.013008	0.287946	0.005963	0.267918	0.155876	0.013013
24 HR	0.016753	0.082913	0.010378	0.118908	0.024297	0.007517
36 HR	0.017832	0.023875	0.012069	0.040749	0.003787	0.003691
48 HR	0.018142	0.006875	0.012622	0.012748	0.000590	0.001681
60 HR	0.018232	0.001980	0.012791	0.003829	0.000092	0.000734
72 HR	0.018257	0.000570	0.012842	0.001127	0.000014	0.000313
84 HR	0.018265	0.000164	0.012856	0.000328	0.000002	0.000131
96 HR	0.018267	0.000047	0.012861	0.000095	0.000000	0.000054
108 HR	0.018267	0.000014	0.012862	0.000027	0.000000	0.000022
120 HR	0.018268	0.000004	0.012862	0.000008	0.000000	0.000009
132 HR	0.018268	0.000001	0.012862	0.000002	0.000000	0.000004

SATURATED IODINE 0.018268
SATURATED XENON 0.012862

TIME HOURS	MW/KG		0.32		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	0.013061
5 SEC	0.000003	0.999856	0.000000	0.000144	0.013062
10 SEC	0.000005	0.999712	0.000000	0.000288	0.013064
30 SEC	0.000016	0.999136	0.000001	0.000864	0.013069
60 SEC	0.000033	0.998272	0.000002	0.001725	0.013077
2 MIN	0.000065	0.996548	0.000003	0.003443	0.013093
5 MIN	0.000162	0.991392	0.000009	0.008552	0.013141
10 MIN	0.000323	0.982857	0.000019	0.016919	0.013219
30 MIN	0.000953	0.949448	0.000072	0.048596	0.013513
60 MIN	0.001858	0.901452	0.000186	0.091057	0.013902
2 HR	0.003533	0.812616	0.000514	0.159875	0.014506
4 HR	0.006405	0.660345	0.001453	0.246601	0.015136
8 HR	0.010634	0.436055	0.003807	0.294202	0.014812
12 HR	0.013427	0.287946	0.006104	0.264247	0.013345
24 HR	0.017293	0.082913	0.010575	0.116030	0.007724
36 HR	0.018407	0.023875	0.012272	0.039447	0.003796
48 HR	0.018727	0.006875	0.012823	0.012271	0.000522
60 HR	0.018820	0.001980	0.012991	0.003671	0.000079
72 HR	0.018846	0.000570	0.013040	0.001078	0.000012
84 HR	0.018854	0.000164	0.013055	0.000314	0.000002
96 HR	0.018856	0.000047	0.013059	0.000091	0.000000
108 HR	0.018857	0.000014	0.013060	0.000026	0.000000
120 HR	0.018857	0.000004	0.013061	0.000008	0.000000
132 HR	0.018857	0.000001	0.013061	0.000002	0.000000

SATURATED IODINE 0.018857
SATURATED XENON 0.013061

TIME HOURS	MW/KG		0.33		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	0.013253
5 SEC	0.000003	0.999856	0.000000	0.000144	0.013254
10 SEC	0.000006	0.999712	0.000000	0.000288	0.013256
30 SEC	0.000017	0.999136	0.000001	0.000864	0.013261
60 SEC	0.000034	0.998272	0.000002	0.001725	0.013270
2 MIN	0.000067	0.996548	0.000004	0.003443	0.013287
5 MIN	0.000167	0.991392	0.000009	0.008551	0.013337
10 MIN	0.000333	0.982857	0.000020	0.016916	0.013419
30 MIN	0.000983	0.949448	0.000075	0.048565	0.013728
60 MIN	0.001916	0.901452	0.000191	0.090941	0.014136
2 HR	0.003644	0.812616	0.000529	0.159472	0.014773
4 HR	0.006605	0.660345	0.001494	0.245385	0.015449
8 HR	0.010967	0.436055	0.003902	0.291415	0.015156
12 HR	0.013847	0.287946	0.006242	0.260647	0.013674
24 HR	0.017834	0.082913	0.010766	0.113254	0.007930
36 HR	0.018982	0.023875	0.012468	0.038210	0.003148
48 HR	0.019313	0.006875	0.013017	0.011823	0.000461
60 HR	0.019408	0.001980	0.013184	0.003525	0.000068
72 HR	0.019435	0.000570	0.013233	0.001033	0.000010
84 HR	0.019443	0.000164	0.013247	0.000300	0.000001
96 HR	0.019445	0.000047	0.013251	0.000087	0.000000
108 HR	0.019446	0.000014	0.013253	0.000025	0.000000
120 HR	0.019446	0.000004	0.013253	0.000007	0.000000
132 HR	0.019446	0.000001	0.013253	0.000002	0.000000

SATURATED IODINE 0.019446
SATURATED XENON 0.013253

TIME HOURS	MW/KG		0.34		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	0.013439
5 SEC	0.000003	0.999856	0.000000	0.000144	0.013441
10 SEC	0.000006	0.999712	0.000000	0.000288	0.013442
30 SEC	0.000017	0.999136	0.000001	0.000864	0.013448
60 SEC	0.000035	0.998272	0.000002	0.001725	0.013457
2 MIN	0.000069	0.996548	0.000004	0.003443	0.013474
5 MIN	0.000172	0.991392	0.000010	0.008550	0.013527
10 MIN	0.000343	0.982857	0.000020	0.016912	0.013613
30 MIN	0.001013	0.949448	0.000077	0.048534	0.013936
60 MIN	0.001974	0.901452	0.000197	0.090826	0.014365
2 HR	0.003754	0.812616	0.000544	0.159071	0.015036
4 HR	0.006805	0.660345	0.001534	0.244177	0.015758
8 HR	0.011299	0.436055	0.003996	0.288666	0.015498
12 HR	0.014266	0.287946	0.006378	0.257116	0.014001
24 HR	0.018374	0.082913	0.010952	0.110577	0.008135
36 HR	0.019557	0.023875	0.012658	0.037033	0.004004
48 HR	0.019898	0.006875	0.013205	0.011402	0.001826
60 HR	0.019996	0.001980	0.013370	0.003388	0.000798
72 HR	0.020024	0.000570	0.013419	0.000990	0.000340
84 HR	0.020032	0.000164	0.013433	0.000287	0.000143
96 HR	0.020035	0.000047	0.013437	0.000083	0.000059
108 HR	0.020035	0.000014	0.013439	0.000024	0.000024
120 HR	0.020035	0.000004	0.013439	0.000007	0.000010
132 HR	0.020036	0.000001	0.013439	0.000002	0.000004

SATURATED IODINE 0.020036
SATURATED XENON 0.013439

TIME HOURS	MW/KG		0.35		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	0.013619
5 SEC	0.000003	0.999856	0.000000	0.000144	0.013621
10 SEC	0.000006	0.999712	0.000000	0.000288	0.013622
30 SEC	0.000018	0.999136	0.000001	0.000864	0.013629
60 SEC	0.000036	0.998272	0.000002	0.001725	0.013638
2 MIN	0.000071	0.996548	0.000004	0.003443	0.013656
5 MIN	0.000178	0.991392	0.000010	0.008549	0.013711
10 MIN	0.000354	0.982857	0.000021	0.016908	0.013801
30 MIN	0.001043	0.949448	0.000079	0.048503	0.014139
60 MIN	0.002033	0.901452	0.000203	0.090710	0.014588
2 HR	0.003865	0.812616	0.000559	0.158672	0.015293
4 HR	0.007005	0.660345	0.001573	0.242976	0.016062
8 HR	0.011631	0.436055	0.004088	0.285952	0.015836
12 HR	0.014688	0.287946	0.006511	0.253653	0.014326
24 HR	0.018915	0.082913	0.011133	0.107994	0.008339
36 HR	0.020132	0.023875	0.012843	0.035914	0.004107
48 HR	0.020483	0.006875	0.013387	0.011005	0.001874
60 HR	0.020584	0.001980	0.013551	0.003260	0.000819
72 HR	0.020613	0.000570	0.013600	0.000951	0.000349
84 HR	0.020621	0.000164	0.013614	0.000276	0.000146
96 HR	0.020624	0.000047	0.013618	0.000080	0.000061
108 HR	0.020625	0.000014	0.013619	0.000023	0.000025
120 HR	0.020625	0.000004	0.013619	0.000007	0.000010
132 HR	0.020625	0.000001	0.013619	0.000002	0.000004

SATURATED IODINE 0.020625
SATURATED XENON 0.013619

TIME HOURS	IODINE		MW/KG	0.36 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.013794
5 SEC	0.000003	0.999856	0.000000	0.000144	0.999767	0.013796
10 SEC	0.000006	0.999712	0.000000	0.000288	0.999534	0.013797
30 SEC	0.000018	0.999136	0.000001	0.000864	0.998603	0.013804
60 SEC	0.000037	0.998272	0.000002	0.001725	0.997208	0.013813
2 MIN	0.000073	0.996548	0.000004	0.003443	0.994425	0.013833
5 MIN	0.000183	0.991392	0.000010	0.008548	0.986120	0.013890
10 MIN	0.000364	0.982857	0.000022	0.016905	0.972433	0.013983
30 MIN	0.001072	0.949448	0.000081	0.048472	0.919558	0.014337
60 MIN	0.002091	0.901452	0.000208	0.090595	0.845587	0.014806
2 HR	0.003975	0.812616	0.000573	0.158274	0.715018	0.015545
4 HR	0.007205	0.660345	0.001613	0.241784	0.511250	0.016362
8 HR	0.011964	0.436055	0.004179	0.283273	0.261377	0.016171
12 HR	0.015106	0.287946	0.006642	0.250255	0.133629	0.014649
24 HR	0.019455	0.082913	0.011310	0.105501	0.017857	0.008542
36 HR	0.020708	0.023875	0.013022	0.034847	0.002386	0.004210
48 HR	0.021068	0.006875	0.013564	0.010631	0.000319	0.001921
60 HR	0.021172	0.001980	0.013727	0.003141	0.000043	0.000840
72 HR	0.021202	0.000570	0.013775	0.000915	0.000006	0.000358
84 HR	0.021211	0.000164	0.013788	0.000265	0.000001	0.000150
96 HR	0.021213	0.000047	0.013792	0.000076	0.000000	0.000062
108 HR	0.021214	0.000014	0.013794	0.000022	0.000000	0.000026
120 HR	0.021214	0.000004	0.013794	0.000006	0.000000	0.000011
132 HR	0.021214	0.000001	0.013794	0.000002	0.000000	0.000004

SATURATED IODINE 0.021214
SATURATED XENON 0.013794

TIME HOURS	IODINE		MW/KG	0.37 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.013964
5 SEC	0.000003	0.999856	0.000000	0.000144	0.999764	0.013965
10 SEC	0.000006	0.999712	0.000000	0.000288	0.999527	0.013967
30 SEC	0.000019	0.999136	0.000001	0.000864	0.998582	0.013974
60 SEC	0.000038	0.998272	0.000002	0.001725	0.997166	0.013984
2 MIN	0.000075	0.996548	0.000004	0.003442	0.994340	0.014004
5 MIN	0.000188	0.991392	0.000010	0.008548	0.985909	0.014063
10 MIN	0.000374	0.982857	0.000022	0.016901	0.972017	0.014161
30 MIN	0.001102	0.949448	0.000084	0.048442	0.918379	0.014529
60 MIN	0.002149	0.901452	0.000214	0.090480	0.843420	0.015019
2 HR	0.004086	0.812616	0.000588	0.157877	0.711357	0.015794
4 HR	0.007406	0.660345	0.001652	0.240600	0.506029	0.016659
8 HR	0.012296	0.436055	0.004269	0.280629	0.256065	0.016503
12 HR	0.015525	0.287946	0.006771	0.246921	0.129576	0.014969
24 HR	0.019996	0.082913	0.011481	0.103095	0.016790	0.008744
36 HR	0.021283	0.023875	0.013196	0.033832	0.002176	0.004313
48 HR	0.021653	0.006875	0.013736	0.010279	0.000282	0.001969
60 HR	0.021760	0.001980	0.013897	0.003029	0.000037	0.000861
72 HR	0.021791	0.000570	0.013944	0.000881	0.000005	0.000367
84 HR	0.021800	0.000164	0.013958	0.000255	0.000001	0.000154
96 HR	0.021802	0.000047	0.013962	0.000074	0.000000	0.000064
108 HR	0.021803	0.000014	0.013963	0.000021	0.000000	0.000026
120 HR	0.021803	0.000004	0.013963	0.000006	0.000000	0.000011
132 HR	0.021803	0.000001	0.013964	0.000002	0.000000	0.000004

SATURATED IODINE 0.021803
SATURATED XENON 0.013964

TIME HOURS	IODINE		MW/KG	0.38 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.014128
5 SEC	0.000003	0.999856	0.000000	0.000144	0.999760	0.014130
10 SEC	0.000006	0.999712	0.000000	0.000288	0.999520	0.014132
30 SEC	0.000019	0.999136	0.000001	0.000864	0.998561	0.014139
60 SEC	0.000039	0.998272	0.000002	0.001725	0.997123	0.014149
2 MIN	0.000077	0.996548	0.000004	0.003442	0.994255	0.014170
5 MIN	0.000193	0.991392	0.000011	0.008547	0.985699	0.014232
10 MIN	0.000384	0.982857	0.000023	0.016898	0.971602	0.014333
30 MIN	0.001132	0.949448	0.000086	0.048411	0.917201	0.014717
60 MIN	0.002207	0.901452	0.000219	0.090366	0.841258	0.015227
2 HR	0.004196	0.812616	0.000603	0.157481	0.707715	0.016037
4 HR	0.007606	0.660345	0.001691	0.239424	0.500861	0.016951
8 HR	0.012628	0.436055	0.004358	0.278020	0.250861	0.016833
12 HR	0.015945	0.287946	0.006897	0.243651	0.125646	0.015287
24 HR	0.020536	0.082913	0.011648	0.100772	0.015787	0.008945
36 HR	0.021858	0.023875	0.013364	0.032864	0.001984	0.004416
48 HR	0.022239	0.006875	0.013902	0.009946	0.000249	0.002017
60 HR	0.022348	0.001980	0.014062	0.002925	0.000031	0.000882
72 HR	0.022380	0.000570	0.014109	0.000850	0.000004	0.000376
84 HR	0.022389	0.000164	0.014123	0.000246	0.000000	0.000158
96 HR	0.022392	0.000047	0.014126	0.000071	0.000000	0.000065
108 HR	0.022392	0.000014	0.014128	0.000020	0.000000	0.000027
120 HR	0.022393	0.000004	0.014128	0.000006	0.000000	0.000011
132 HR	0.022393	0.000001	0.014128	0.000002	0.000000	0.000005

SATURATED IODINE 0.022393
SATURATED XENON 0.014128

TIME HOURS	IODINE		MW/KG	0.39 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.014288
5 SEC	0.000003	0.999856	0.000000	0.000144	0.999757	0.014290
10 SEC	0.000007	0.999712	0.000000	0.000288	0.999513	0.014291
30 SEC	0.000020	0.999136	0.000001	0.000864	0.998539	0.014299
60 SEC	0.000040	0.998272	0.000002	0.001725	0.997080	0.014309
2 MIN	0.000079	0.996548	0.000004	0.003442	0.994170	0.014331
5 MIN	0.000198	0.991392	0.000011	0.008546	0.985488	0.014396
10 MIN	0.000394	0.982857	0.000023	0.016894	0.971186	0.014501
30 MIN	0.001142	0.949448	0.000088	0.048380	0.916025	0.014900
60 MIN	0.002265	0.901452	0.000225	0.090251	0.839102	0.015431
2 HR	0.004306	0.812616	0.000618	0.157087	0.704092	0.016277
4 HR	0.007806	0.660345	0.001729	0.238255	0.495745	0.017241
8 HR	0.012981	0.436055	0.004446	0.275444	0.245763	0.017160
12 HR	0.016364	0.287946	0.007021	0.240442	0.121836	0.015604
24 HR	0.021076	0.082913	0.011811	0.098529	0.014844	0.009146
36 HR	0.022433	0.023875	0.013528	0.031940	0.001809	0.004518
48 HR	0.022824	0.006875	0.014063	0.009632	0.000220	0.002064
60 HR	0.022936	0.001980	0.014222	0.002826	0.000027	0.000903
72 HR	0.022989	0.000570	0.014269	0.000820	0.000003	0.000385
84 HR	0.022978	0.000164	0.014282	0.000237	0.000000	0.000162
96 HR	0.022981	0.000047	0.014286	0.000068	0.000000	0.000067
108 HR	0.022982	0.000014	0.014287	0.000020	0.000000	0.000028
120 HR	0.022982	0.000004	0.014288	0.000006	0.000000	0.000011
132 HR	0.022982	0.000001	0.014288	0.000002	0.000000	0.000005

SATURATED IODINE 0.022982
SATURATED XENON 0.014288

TIME HOURS	MW/KG		0.40		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.C00003	0.999856	0.000000	0.000144	0.999753
10 SEC	0.C00007	0.999712	0.000000	0.000288	0.999506
30 SEC	0.C00020	0.999136	0.000001	0.000864	0.998518
60 SEC	0.C00041	0.998272	0.000002	0.001725	0.997038
2 MIN	0.C00081	0.996548	0.000004	0.003442	0.994085
5 MIN	0.C00203	0.991392	0.000011	0.008545	0.985277
10 MIN	0.C00404	0.982857	0.000024	0.016890	0.970771
30 MIN	0.C01192	0.949448	0.000090	0.048349	0.914850
60 MIN	0.C02323	0.901452	0.000230	0.090137	0.836951
2 HR	0.C04417	0.812616	0.000632	0.156694	0.700487
4 HR	0.C08006	0.660345	0.001767	0.237094	0.490682
8 HR	0.C13293	0.436055	0.004533	0.272902	0.240769
12 HR	0.C16784	0.287946	0.007143	0.237294	0.118141
24 HR	0.C21617	0.082913	0.011970	0.096362	0.013957
36 HR	0.C23008	0.023875	0.013687	0.031059	0.001649
48 HR	0.C23409	0.006875	0.014220	0.009335	0.000195
60 HR	0.C23525	0.001980	0.014378	0.002734	0.000023
72 HR	0.C23558	0.000570	0.014424	0.000793	0.000003
84 HR	0.C23567	0.000164	0.014437	0.000229	0.000000
96 HR	0.C23570	0.000047	0.014441	0.000066	0.000000
108 HR	0.C23571	0.000014	0.014442	0.000019	0.000000
120 HR	0.C23571	0.000004	0.014443	0.000005	0.000000
132 HR	0.C23571	0.000001	0.014443	0.000002	0.000000

SATURATED IODINE 0.023571
SATURATED XENON 0.014443

TIME HOURS	MW/KG		0.41		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.C00003	0.999856	0.000000	0.000144	0.999749
10 SEC	0.C00007	0.999712	0.000000	0.000288	0.999499
30 SEC	0.C00021	0.999136	0.000001	0.000864	0.998497
60 SEC	0.C00042	0.998272	0.000002	0.001725	0.996995
2 MIN	0.C00083	0.996548	0.000004	0.003442	0.994000
5 MIN	0.C00208	0.991392	0.000012	0.008544	0.985066
10 MIN	0.C00414	0.982857	0.000025	0.016887	0.970355
30 MIN	0.C01221	0.949448	0.000092	0.048318	0.913677
60 MIN	0.C02381	0.901452	0.000236	0.090023	0.834806
2 HR	0.C04527	0.812616	0.000647	0.156303	0.696900
4 HR	0.C08206	0.660345	0.001805	0.235941	0.485670
8 HR	0.C13625	0.436055	0.004618	0.270392	0.235875
12 HR	0.C17204	0.287946	0.007263	0.234205	0.114558
24 HR	0.C22157	0.082913	0.012124	0.094268	0.013123
36 HR	0.C23584	0.023875	0.013841	0.030218	0.001503
48 HR	0.C23994	0.006875	0.014372	0.009053	0.000172
60 HR	0.C24113	0.001980	0.014529	0.002647	0.000020
72 HR	0.C24147	0.000570	0.014575	0.000767	0.000002
84 HR	0.C24157	0.000164	0.014588	0.000221	0.000000
96 HR	0.C24159	0.000047	0.014592	0.000064	0.000000
108 HR	0.C24160	0.000014	0.014593	0.000018	0.000000
120 HR	0.C24160	0.000004	0.014593	0.000005	0.000000
132 HR	0.C24160	0.000001	0.014593	0.000002	0.000000

SATURATED IODINE 0.024160
SATURATED XENON 0.014593

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TIME HOURS	MW/KG		0.42		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.C00004	0.999856	0.000000	0.000144	0.999746
10 SEC	0.C00007	0.999712	0.000000	0.000288	0.999491
30 SEC	0.C00021	0.999136	0.000001	0.000864	0.998475
60 SEC	0.C00043	0.998272	0.000002	0.001725	0.996953
2 MIN	0.C00085	0.996548	0.000005	0.003442	0.993915
5 MIN	0.C00213	0.991392	0.000012	0.008543	0.984856
10 MIN	0.C00424	0.982857	0.000025	0.016883	0.969941
30 MIN	0.C01251	0.949448	0.000095	0.048287	0.912509
60 MIN	0.C02439	0.901452	0.000241	0.089909	0.832666
2 HR	0.C04638	0.812616	0.000661	0.155912	0.693332
4 HR	0.C08406	0.660345	0.001843	0.234796	0.480710
8 HR	0.C13958	0.436055	0.004703	0.267915	0.231082
12 HR	0.C17623	0.287946	0.007381	0.231173	0.111083
24 HR	0.C22698	0.082913	0.012275	0.092245	0.012339
36 HR	0.C24159	0.023875	0.013992	0.029414	0.001371
48 HR	0.C24580	0.006875	0.014520	0.008787	0.000152
60 HR	0.C24701	0.001980	0.014676	0.002565	0.000017
72 HR	0.C24736	0.000570	0.014721	0.000743	0.000002
84 HR	0.C24746	0.000164	0.014735	0.000214	0.000000
96 HR	0.C24749	0.000047	0.014738	0.000062	0.000000
108 HR	0.C24749	0.000014	0.014739	0.000018	0.000000
120 HR	0.C24750	0.000004	0.014740	0.000005	0.000000
132 HR	0.C24750	0.000001	0.014740	0.000001	0.000000

SATURATED IODINE 0.024750
SATURATED XENON 0.014740

TIME HOURS	MW/KG		0.43		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.C00004	0.999856	0.000000	0.000144	0.999742
10 SEC	0.C00007	0.999712	0.000000	0.000288	0.999484
30 SEC	0.C00022	0.999136	0.000001	0.000863	0.998454
60 SEC	0.C00044	0.998272	0.000002	0.001725	0.996910
2 MIN	0.C00087	0.996548	0.000005	0.003442	0.993830
5 MIN	0.C00218	0.991392	0.000012	0.008542	0.984645
10 MIN	0.C00434	0.982857	0.000026	0.016879	0.969526
30 MIN	0.C01281	0.949448	0.000097	0.048257	0.911335
60 MIN	0.C02497	0.901452	0.000247	0.089795	0.830532
2 HR	0.C04748	0.812616	0.000676	0.155524	0.689783
4 HR	0.C08607	0.660345	0.001881	0.233658	0.475800
8 HR	0.C14290	0.436055	0.004786	0.265470	0.226386
12 HR	0.C18043	0.287946	0.007497	0.228198	0.107714
24 HR	0.C23238	0.082913	0.012422	0.090289	0.011602
36 HR	0.C24734	0.023875	0.014138	0.028646	0.001250
48 HR	0.C25165	0.006875	0.014664	0.008534	0.000135
60 HR	0.C25289	0.001980	0.014819	0.002488	0.000014
72 HR	0.C25325	0.000570	0.014864	0.000720	0.000002
84 HR	0.C25335	0.000164	0.014877	0.000208	0.000000
96 HR	0.C25338	0.000047	0.014881	0.000060	0.000000
108 HR	0.C25339	0.000014	0.014882	0.000017	0.000000
120 HR	0.C25339	0.000004	0.014882	0.000005	0.000000
132 HR	0.C25339	0.000001	0.014882	0.000001	0.000000

SATURATED IODINE 0.025339
SATURATED XENON 0.014882

TIME HOURS	MW/KG		0.44		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000004	0.999856	0.000000	0.000144	0.999739
10 SEC	0.000007	0.999712	0.000000	0.000288	0.999477
30 SEC	0.000022	0.999136	0.000001	0.000863	0.998433
60 SEC	0.000045	0.998272	0.000002	0.001725	0.996867
2 MIN	0.000090	0.996548	0.000005	0.003441	0.993745
5 MIN	0.000223	0.991392	0.000012	0.008541	0.984435
10 MIN	0.000444	0.982857	0.000026	0.016876	0.969111
30 MIN	0.001311	0.949448	0.000099	0.048226	0.910166
60 MIN	0.002555	0.901452	0.000252	0.089681	0.828403
2 HR	0.004859	0.812616	0.000690	0.155136	0.686251
4 HR	0.008807	0.660345	0.001918	0.232528	0.470940
8 HR	0.014622	0.436055	0.004869	0.263056	0.221785
12 HR	0.018462	0.287946	0.007611	0.225278	0.104447
24 HR	0.023779	0.082913	0.012565	0.088398	0.010909
36 HR	0.025309	0.023875	0.014280	0.027911	0.005024
48 HR	0.025750	0.006875	0.014804	0.008294	0.000119
60 HR	0.025877	0.001980	0.014958	0.002415	0.000012
72 HR	0.025914	0.000570	0.015003	0.000698	0.000001
84 HR	0.025924	0.000164	0.015015	0.000201	0.000000
96 HR	0.025927	0.000047	0.015019	0.000058	0.000000
108 HR	0.025928	0.000014	0.015020	0.000017	0.000000
120 HR	0.025928	0.000004	0.015021	0.000005	0.000000
132 HR	0.025928	0.000001	0.015021	0.000001	0.000000

SATURATED IODINE 0.025928
SATURATED XENON 0.015021

TIME HOURS	MW/KG		0.45		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000004	0.999856	0.000000	0.000144	0.999735
10 SEC	0.000008	0.999712	0.000000	0.000288	0.999470
30 SEC	0.000023	0.999136	0.000001	0.000863	0.998411
60 SEC	0.000046	0.998272	0.000002	0.001725	0.996825
2 MIN	0.000092	0.996548	0.000005	0.003441	0.993660
5 MIN	0.000228	0.991392	0.000013	0.008540	0.984224
10 MIN	0.000455	0.982857	0.000027	0.016872	0.968697
30 MIN	0.001341	0.949448	0.000101	0.048195	0.908999
60 MIN	0.002613	0.901452	0.000258	0.089568	0.826279
2 HR	0.004969	0.812616	0.000705	0.154750	0.682738
4 HR	0.009007	0.660345	0.001955	0.231405	0.466131
8 HR	0.014954	0.436055	0.004950	0.260672	0.217278
12 HR	0.018882	0.287946	0.007723	0.222413	0.101280
24 HR	0.024319	0.082913	0.012704	0.086569	0.010258
36 HR	0.025885	0.023875	0.014418	0.027209	0.001039
48 HR	0.026335	0.006875	0.014940	0.008066	0.000105
60 HR	0.026465	0.001980	0.015093	0.002346	0.000011
72 HR	0.026502	0.000570	0.015137	0.000678	0.000001
84 HR	0.026513	0.000164	0.015150	0.000195	0.000000
96 HR	0.026516	0.000047	0.015154	0.000056	0.000000
108 HR	0.026517	0.000014	0.015155	0.000016	0.000000
120 HR	0.026518	0.000004	0.015155	0.000005	0.000000
132 HR	0.026518	0.000001	0.015155	0.000001	0.000000

SATURATED IODINE 0.026518
SATURATED XENON 0.015155

TIME HOURS	MW/KG		0.46		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000004	0.999856	0.000000	0.000144	0.999732
10 SEC	0.000008	0.999712	0.000000	0.000288	0.999463
30 SEC	0.000023	0.999136	0.000001	0.000863	0.998390
60 SEC	0.000046	0.998272	0.000002	0.001725	0.996782
2 MIN	0.000092	0.996548	0.000005	0.003441	0.993575
5 MIN	0.000233	0.991392	0.000013	0.008539	0.984013
10 MIN	0.000465	0.982857	0.000028	0.016869	0.968282
30 MIN	0.001370	0.949448	0.000103	0.048164	0.907833
60 MIN	0.002671	0.901452	0.000263	0.089455	0.824161
2 HR	0.005079	0.812616	0.000719	0.154365	0.679242
4 HR	0.009207	0.660345	0.001991	0.230290	0.461370
8 HR	0.015287	0.436055	0.005030	0.258320	0.212862
12 HR	0.019302	0.287946	0.007833	0.219600	0.098208
24 HR	0.024859	0.082913	0.012841	0.084800	0.010531
36 HR	0.026460	0.023875	0.014553	0.026536	0.000947
48 HR	0.026921	0.006875	0.015072	0.007849	0.000093
60 HR	0.027053	0.001980	0.015275	0.002280	0.000009
72 HR	0.027091	0.000570	0.015269	0.000659	0.000001
84 HR	0.027102	0.000164	0.015282	0.000190	0.000000
96 HR	0.027106	0.000047	0.015285	0.000055	0.000000
108 HR	0.027107	0.000014	0.015286	0.000016	0.000000
120 HR	0.027107	0.000004	0.015287	0.000005	0.000000
132 HR	0.027107	0.000001	0.015287	0.000001	0.000000

SATURATED IODINE 0.027107
SATURATED XENON 0.015287

TIME HOURS	MW/KG		0.47		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000004	0.999856	0.000000	0.000144	0.999728
10 SEC	0.000008	0.999712	0.000000	0.000288	0.999456
30 SEC	0.000024	0.999136	0.000001	0.000863	0.998368
60 SEC	0.000048	0.998272	0.000002	0.001725	0.996739
2 MIN	0.000096	0.996548	0.000005	0.003441	0.993490
5 MIN	0.000238	0.991392	0.000013	0.008538	0.983803
10 MIN	0.000475	0.982857	0.000028	0.016865	0.967868
30 MIN	0.001400	0.949448	0.000106	0.048134	0.906669
60 MIN	0.002729	0.901452	0.000269	0.089342	0.822049
2 HR	0.005190	0.812616	0.000733	0.153981	0.675764
4 HR	0.009407	0.660345	0.002028	0.229182	0.456658
8 HR	0.015619	0.436055	0.005110	0.255997	0.208536
12 HR	0.019721	0.287946	0.007941	0.216839	0.095230
24 HR	0.025400	0.082913	0.012973	0.083087	0.009069
36 HR	0.027035	0.023875	0.014684	0.025891	0.000864
48 HR	0.027506	0.006875	0.015201	0.007643	0.000082
60 HR	0.027641	0.001980	0.015353	0.002218	0.000008
72 HR	0.027680	0.000570	0.015397	0.000640	0.000001
84 HR	0.027692	0.000164	0.015409	0.000153	0.000000
96 HR	0.027695	0.000047	0.015413	0.000055	0.000000
108 HR	0.027696	0.000014	0.015414	0.000015	0.000000
120 HR	0.027696	0.000004	0.015414	0.000004	0.000000
132 HR	0.027696	0.000001	0.015414	0.000001	0.000000

SATURATED IODINE 0.027696
SATURATED XENON 0.015414

TIME HOURS	IODINE		MW/KG	0.48 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.015539
5 SEC	0.000004	0.999856	0.000000	0.000144	0.999724	0.015541
10 SEC	0.000008	0.999712	0.000000	0.000288	0.999449	0.015544
30 SEC	0.000024	0.999136	0.000001	0.000863	0.998347	0.015554
60 SEC	0.000049	0.998272	0.000003	0.001725	0.996697	0.015568
2 MIN	0.000098	0.996548	0.000005	0.003441	0.993405	0.015597
5 MIN	0.000243	0.991392	0.000013	0.008537	0.983593	0.015684
10 MIN	0.000485	0.982857	0.000029	0.016861	0.967454	0.015827
30 MIN	0.001430	0.949448	0.000108	0.048103	0.905506	0.016368
60 MIN	0.002787	0.901452	0.000274	0.089229	0.819942	0.017095
2 HR	0.005300	0.812616	0.000747	0.153599	0.672305	0.018273
4 HR	0.009607	0.660345	0.002064	0.228082	0.451993	0.019705
8 HR	0.015951	0.436055	0.005188	0.253704	0.204298	0.020000
12 HR	0.020141	0.287946	0.008047	0.214129	0.092341	0.018376
24 HR	0.025940	0.082913	0.013103	0.081430	0.008527	0.010921
36 HR	0.027610	0.023875	0.014812	0.025273	0.000787	0.005424
48 HR	0.028091	0.006875	0.015327	0.007446	0.000073	0.002485
60 HR	0.028229	0.001980	0.015478	0.002160	0.000007	0.001089
72 HR	0.028269	0.000570	0.015521	0.000623	0.000001	0.000465
84 HR	0.028281	0.000164	0.015534	0.000180	0.000000	0.000195
96 HR	0.028284	0.000047	0.015537	0.000052	0.000000	0.000081
108 HR	0.028285	0.000014	0.015538	0.000015	0.000000	0.000033
120 HR	0.028285	0.000004	0.015539	0.000004	0.000000	0.000014
132 HR	0.028285	0.000001	0.015539	0.000001	0.000000	0.000006

SATURATED IODINE 0.028285
SATURATED XENON 0.015539

TIME HOURS	IODINE		MW/KG	0.49 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.015660
5 SEC	0.000004	0.999856	0.000000	0.000144	0.999721	0.015663
10 SEC	0.000008	0.999712	0.000000	0.000288	0.999442	0.015665
30 SEC	0.000025	0.999136	0.000001	0.000863	0.998326	0.015675
60 SEC	0.000050	0.998272	0.000003	0.001725	0.996654	0.015690
2 MIN	0.000100	0.996548	0.000005	0.003441	0.993320	0.015720
5 MIN	0.000249	0.991392	0.000014	0.008537	0.983382	0.015810
10 MIN	0.000495	0.982857	0.000029	0.016858	0.967041	0.015957
30 MIN	0.001460	0.949448	0.000110	0.048073	0.904345	0.016514
60 MIN	0.002846	0.901452	0.000279	0.089117	0.817840	0.017263
2 HR	0.005411	0.812616	0.000762	0.153217	0.668863	0.018480
4 HR	0.009807	0.660345	0.002100	0.226988	0.447377	0.019966
8 HR	0.016284	0.436055	0.005266	0.251440	0.200146	0.020305
12 HR	0.020560	0.287946	0.008152	0.211468	0.089541	0.018677
24 HR	0.026481	0.082913	0.013230	0.079826	0.008018	0.011115
36 HR	0.028185	0.023875	0.014936	0.024681	0.000718	0.005524
48 HR	0.028676	0.006875	0.015450	0.007259	0.000064	0.002532
60 HR	0.028818	0.001980	0.015599	0.002104	0.000006	0.001110
72 HR	0.028858	0.000570	0.015643	0.000607	0.000001	0.000474
84 HR	0.028870	0.000164	0.015655	0.000175	0.000000	0.000199
96 HR	0.028873	0.000047	0.015659	0.000050	0.000000	0.000083
108 HR	0.028874	0.000014	0.015660	0.000014	0.000000	0.000034
120 HR	0.028875	0.000004	0.015660	0.000004	0.000000	0.000014
132 HR	0.028875	0.000001	0.015660	0.000001	0.000000	0.000006

SATURATED IODINE 0.028875
SATURATED XENON 0.015660

TIME HOURS	IODINE		MW/KG	0.50 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.015778
5 SEC	0.000004	0.999856	0.000000	0.000144	0.999717	0.015781
10 SEC	0.000008	0.999712	0.000000	0.000288	0.999434	0.015784
30 SEC	0.000025	0.999136	0.000001	0.000863	0.998304	0.015794
60 SEC	0.000051	0.998272	0.000003	0.001725	0.996611	0.015809
2 MIN	0.000102	0.996548	0.000005	0.003441	0.993235	0.015840
5 MIN	0.000254	0.991392	0.000014	0.008536	0.983172	0.015932
10 MIN	0.000505	0.982857	0.000030	0.016854	0.966627	0.016083
30 MIN	0.001489	0.949448	0.000112	0.048042	0.903185	0.016657
60 MIN	0.002904	0.901452	0.000285	0.089004	0.815744	0.017429
2 HR	0.005521	0.812616	0.000776	0.152838	0.665438	0.018684
4 HR	0.010008	0.660345	0.002136	0.225902	0.442808	0.020225
8 HR	0.016616	0.436055	0.005342	0.249204	0.196079	0.020610
12 HR	0.020980	0.287946	0.008255	0.208855	0.086825	0.018977
24 HR	0.027021	0.082913	0.013353	0.078273	0.007539	0.011309
36 HR	0.028761	0.023875	0.015058	0.024113	0.000655	0.005623
48 HR	0.029261	0.006875	0.015569	0.007080	0.000057	0.002578
60 HR	0.029406	0.001980	0.015718	0.002051	0.000005	0.001130
72 HR	0.029447	0.000570	0.015761	0.000591	0.000000	0.000483
84 HR	0.029459	0.000164	0.015773	0.000170	0.000000	0.000203
96 HR	0.029463	0.000047	0.015777	0.000049	0.000000	0.000084
108 HR	0.029464	0.000014	0.015778	0.000014	0.000000	0.000035
120 HR	0.029464	0.000004	0.015778	0.000004	0.000000	0.000014
132 HR	0.029464	0.000001	0.015778	0.000001	0.000000	0.000006

SATURATED IODINE 0.029464
SATURATED XENON 0.015778

TIME HOURS	IODINE		MW/KG	0.51 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.015894
5 SEC	0.000004	0.999856	0.000000	0.000144	0.999714	0.015896
10 SEC	0.000008	0.999712	0.000000	0.000288	0.999427	0.015899
30 SEC	0.000026	0.999136	0.000001	0.000863	0.998283	0.015910
60 SEC	0.000052	0.998272	0.000003	0.001725	0.996569	0.015926
2 MIN	0.000104	0.996548	0.000005	0.003440	0.993150	0.015957
5 MIN	0.000259	0.991392	0.000014	0.008535	0.982962	0.016052
10 MIN	0.000515	0.982857	0.000031	0.016851	0.966214	0.016207
30 MIN	0.001519	0.949448	0.000114	0.048011	0.902027	0.016797
60 MIN	0.002962	0.901452	0.000290	0.088892	0.813653	0.017591
2 HR	0.005632	0.812616	0.000790	0.152459	0.662031	0.018885
4 HR	0.010208	0.660345	0.002171	0.224823	0.438285	0.020481
8 HR	0.016948	0.436055	0.005417	0.246997	0.192094	0.020912
12 HR	0.021400	0.287946	0.008356	0.206291	0.084192	0.019275
24 HR	0.027561	0.082913	0.013474	0.076769	0.007088	0.011503
36 HR	0.029336	0.023875	0.015176	0.023567	0.000597	0.005723
48 HR	0.029847	0.006875	0.015685	0.006909	0.000050	0.002624
60 HR	0.029994	0.001980	0.015833	0.002000	0.000004	0.001151
72 HR	0.030036	0.000570	0.015876	0.000577	0.000000	0.000491
84 HR	0.030048	0.000164	0.015889	0.000166	0.000000	0.000206
96 HR	0.030052	0.000047	0.015892	0.000048	0.000000	0.000086
108 HR	0.030053	0.000014	0.015893	0.000014	0.000000	0.000035
120 HR	0.030053	0.000004	0.015894	0.000004	0.000000	0.000014
132 HR	0.030053	0.000001	0.015894	0.000001	0.000000	0.000006

SATURATED IODINE 0.030053
SATURATED XENON 0.015894

TIME HOURS	IODINE		MW/KG	0.52 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.016006
5 SEC	0.000004	0.999856	0.000000	0.000144	0.999710	0.016009
10 SEC	0.000009	0.999712	0.000000	0.000288	0.999420	0.016012
30 SEC	0.000026	0.999136	0.000001	0.000863	0.998262	0.016022
60 SEC	0.000053	0.998272	0.000003	0.001725	0.996526	0.016039
2 MIN	0.000106	0.996548	0.000006	0.003440	0.993065	0.016072
5 MIN	0.000264	0.991392	0.000015	0.008534	0.982752	0.016169
10 MIN	0.000525	0.982857	0.000031	0.016847	0.965800	0.016328
30 MIN	0.001549	0.949448	0.000116	0.047981	0.900870	0.016934
60 MIN	0.003020	0.901452	0.000296	0.088780	0.811567	0.017752
2 HR	0.005742	0.812616	0.000804	0.152082	0.658642	0.019084
4 HR	0.010408	0.660345	0.002206	0.223751	0.433809	0.020735
8 HR	0.017281	0.436055	0.005492	0.244818	0.188190	0.021213
12 HR	0.021819	0.287946	0.008455	0.203772	0.081638	0.019572
24 HR	0.028102	0.082913	0.013592	0.075311	0.006665	0.011695
36 HR	0.029911	0.023875	0.015291	0.023044	0.000544	0.005822
48 HR	0.030432	0.006875	0.015799	0.006746	0.000044	0.002670
60 HR	0.030582	0.001980	0.015946	0.001952	0.000004	0.001171
72 HR	0.030625	0.000570	0.015989	0.000563	0.000000	0.000500
84 HR	0.030638	0.000164	0.016001	0.000162	0.000000	0.000210
96 HR	0.030641	0.000047	0.016005	0.000047	0.000000	0.000087
108 HR	0.030642	0.000014	0.016006	0.000013	0.000000	0.000036
120 HR	0.030642	0.000004	0.016006	0.000004	0.000000	0.000015
132 HR	0.030643	0.000001	0.016006	0.000001	0.000000	0.000006

SATURATED IODINE 0.030643
SATURATED XENON 0.016006

TIME HOURS	IODINE		MW/KG	0.53 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.016116
5 SEC	0.000004	0.999856	0.000000	0.000144	0.999707	0.016119
10 SEC	0.000009	0.999712	0.000000	0.000288	0.999413	0.016121
30 SEC	0.000027	0.999136	0.000001	0.000863	0.998240	0.016133
60 SEC	0.000054	0.998272	0.000003	0.001725	0.996484	0.016149
2 MIN	0.000108	0.996548	0.000006	0.003440	0.992980	0.016183
5 MIN	0.000269	0.991392	0.000015	0.008533	0.982541	0.016283
10 MIN	0.000535	0.982857	0.000032	0.016844	0.965387	0.016447
30 MIN	0.001579	0.949448	0.000119	0.047950	0.899715	0.017069
60 MIN	0.003078	0.901452	0.000301	0.088668	0.809487	0.017909
2 HR	0.005852	0.812616	0.000818	0.151706	0.655269	0.019281
4 HR	0.010608	0.660345	0.002241	0.222687	0.429378	0.020987
8 HR	0.017613	0.436055	0.005566	0.242667	0.184366	0.021513
12 HR	0.022239	0.287946	0.008553	0.201299	0.079163	0.019868
24 HR	0.028642	0.082913	0.013707	0.073899	0.006267	0.011888
36 HR	0.030486	0.023875	0.015404	0.022540	0.000496	0.005920
48 HR	0.031017	0.006875	0.015909	0.006590	0.000039	0.002716
60 HR	0.031170	0.001980	0.016056	0.001906	0.000003	0.001192
72 HR	0.031214	0.000570	0.016099	0.000549	0.000000	0.000509
84 HR	0.031227	0.000164	0.016111	0.000158	0.000000	0.000214
96 HR	0.031230	0.000047	0.016114	0.000046	0.000000	0.000089
108 HR	0.031231	0.000014	0.016115	0.000013	0.000000	0.000037
120 HR	0.031232	0.000004	0.016116	0.000004	0.000000	0.000015
132 HR	0.031232	0.000001	0.016116	0.000001	0.000000	0.000006

SATURATED IODINE 0.031232
SATURATED XENON 0.016116

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TIME HOURS	IODINE		MW/KG	0.54 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.016223
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999703	0.016226
10 SEC	0.000009	0.999712	0.000000	0.000288	0.999406	0.016229
30 SEC	0.000027	0.999136	0.000001	0.000863	0.998219	0.016240
60 SEC	0.000055	0.998272	0.000003	0.001725	0.996441	0.016257
2 MIN	0.000110	0.996548	0.000006	0.003440	0.992895	0.016292
5 MIN	0.000274	0.991392	0.000015	0.008532	0.982331	0.016394
10 MIN	0.000546	0.982857	0.000032	0.016840	0.964975	0.016563
30 MIN	0.001609	0.949448	0.000121	0.047920	0.898561	0.017202
60 MIN	0.003136	0.901452	0.000306	0.088556	0.807412	0.018064
2 HR	0.005963	0.812616	0.000831	0.151331	0.651915	0.019475
4 HR	0.010808	0.660345	0.002276	0.221629	0.424993	0.021238
8 HR	0.017945	0.436055	0.005638	0.240542	0.180619	0.021811
12 HR	0.022658	0.287946	0.008649	0.198871	0.076762	0.020164
24 HR	0.029183	0.082913	0.013819	0.072530	0.005892	0.012080
36 HR	0.031061	0.023875	0.015514	0.022057	0.000452	0.006019
48 HR	0.031602	0.006875	0.016017	0.006441	0.000035	0.002762
60 HR	0.031758	0.001980	0.016164	0.001862	0.000003	0.001212
72 HR	0.031803	0.000570	0.016206	0.000537	0.000000	0.000518
84 HR	0.031816	0.000164	0.016218	0.000155	0.000000	0.000217
96 HR	0.031820	0.000047	0.016221	0.000045	0.000000	0.000090
108 HR	0.031821	0.000014	0.016222	0.000013	0.000000	0.000037
120 HR	0.031821	0.000004	0.016223	0.000004	0.000000	0.000015
132 HR	0.031821	0.000001	0.016223	0.000001	0.000000	0.000006

SATURATED IODINE 0.031821
SATURATED XENON 0.016223

TIME HOURS	IODINE		MW/KG	0.55 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.016327
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999700	0.016330
10 SEC	0.000009	0.999712	0.000000	0.000288	0.999399	0.016333
30 SEC	0.000028	0.999136	0.000001	0.000863	0.998198	0.016345
60 SEC	0.000056	0.998272	0.000003	0.001725	0.996398	0.016363
2 MIN	0.000112	0.996548	0.000006	0.003440	0.992810	0.016398
5 MIN	0.000279	0.991392	0.000015	0.008531	0.982121	0.016503
10 MIN	0.000558	0.982857	0.000033	0.016836	0.964562	0.016676
30 MIN	0.001638	0.949448	0.000123	0.047889	0.897409	0.017332
60 MIN	0.003194	0.901452	0.000312	0.088445	0.805343	0.018217
2 HR	0.006073	0.812616	0.000845	0.150957	0.648577	0.019667
4 HR	0.011008	0.660345	0.002310	0.220578	0.420652	0.021486
8 HR	0.018278	0.436055	0.005710	0.238444	0.176948	0.022107
12 HR	0.023078	0.287946	0.008744	0.196486	0.074434	0.020458
24 HR	0.029723	0.082913	0.013929	0.071203	0.005540	0.012271
36 HR	0.031637	0.023875	0.015621	0.021591	0.000412	0.006117
48 HR	0.032188	0.006875	0.016123	0.006298	0.000031	0.002808
60 HR	0.032346	0.001980	0.016268	0.001820	0.000002	0.001232
72 HR	0.032392	0.000570	0.016310	0.000524	0.000000	0.000526
84 HR	0.032405	0.000164	0.016322	0.000151	0.000000	0.000221
96 HR	0.032409	0.000047	0.016326	0.000043	0.000000	0.000092
108 HR	0.032410	0.000014	0.016327	0.000013	0.000000	0.000038
120 HR	0.032410	0.000004	0.016327	0.000004	0.000000	0.000016
132 HR	0.032410	0.000001	0.016327	0.000001	0.000000	0.000006

SATURATED IODINE 0.032410
SATURATED XENON 0.016327

TIME HOURS	IODINE		MW/KG	0.56 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.016429
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999696	0.016433
10 SEC	0.000010	0.999712	0.000000	0.000288	0.999392	0.016436
30 SEC	0.000029	0.999136	0.000001	0.000863	0.998176	0.016448
60 SEC	0.000057	0.998272	0.000003	0.001725	0.996356	0.016466
2 MIN	0.000114	0.996548	0.000006	0.003440	0.992725	0.016502
5 MIN	0.000284	0.991392	0.000016	0.008530	0.981911	0.016610
10 MIN	0.000566	0.982857	0.000034	0.016833	0.964149	0.016787
30 MIN	0.001668	0.949448	0.000125	0.047859	0.896258	0.017459
60 MIN	0.003252	0.901452	0.000317	0.088334	0.803278	0.018368
2 HR	0.006184	0.812616	0.000859	0.150585	0.645256	0.019857
4 HR	0.011209	0.660345	0.002344	0.219534	0.416356	0.021732
8 HR	0.018610	0.436055	0.005781	0.236372	0.173352	0.022403
12 HR	0.023498	0.287946	0.008837	0.194144	0.072176	0.020751
24 HR	0.030264	0.082913	0.014037	0.069916	0.005209	0.012463
36 HR	0.032212	0.023875	0.015726	0.021143	0.000376	0.006216
48 HR	0.032773	0.006875	0.016226	0.006161	0.000027	0.002854
60 HR	0.032934	0.001980	0.016371	0.001779	0.000002	0.001253
72 HR	0.032981	0.000570	0.016413	0.000513	0.000000	0.000535
84 HR	0.032994	0.000164	0.016425	0.000148	0.000000	0.000225
96 HR	0.032998	0.000047	0.016428	0.000043	0.000000	0.000093
108 HR	0.032999	0.000014	0.016429	0.000012	0.000000	0.000038
120 HR	0.033000	0.000004	0.016429	0.000004	0.000000	0.000016
132 HR	0.033000	0.000001	0.016429	0.000001	0.000000	0.000006

SATURATED IODINE 0.033000
SATURATED XENON 0.016429

TIME HOURS	IODINE		MW/KG	0.57 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.016529
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999692	0.016532
10 SEC	0.000010	0.999712	0.000000	0.000288	0.999385	0.016535
30 SEC	0.000029	0.999136	0.000001	0.000863	0.998155	0.016548
60 SEC	0.000058	0.998272	0.000003	0.001724	0.996313	0.016566
2 MIN	0.000116	0.996548	0.000006	0.003440	0.992640	0.016604
5 MIN	0.000289	0.991392	0.000016	0.008529	0.981701	0.016714
10 MIN	0.000576	0.982857	0.000034	0.016829	0.963737	0.016895
30 MIN	0.001698	0.949448	0.000127	0.047829	0.895109	0.017584
60 MIN	0.003310	0.901452	0.000322	0.088223	0.801219	0.018516
2 HR	0.006294	0.812616	0.000873	0.150214	0.641953	0.020045
4 HR	0.011409	0.660345	0.002378	0.218497	0.412103	0.021977
8 HR	0.018942	0.436055	0.005851	0.234326	0.169829	0.022697
12 HR	0.023917	0.287946	0.008929	0.191843	0.069987	0.021043
24 HR	0.030804	0.082913	0.014142	0.068667	0.004898	0.012653
36 HR	0.032787	0.023875	0.015828	0.020712	0.000343	0.006314
48 HR	0.033358	0.006875	0.016326	0.006030	0.000024	0.002899
60 HR	0.033522	0.001980	0.016471	0.001741	0.000002	0.001273
72 HR	0.033570	0.000570	0.016512	0.000502	0.000000	0.000544
84 HR	0.033583	0.000164	0.016524	0.000144	0.000000	0.000228
96 HR	0.033587	0.000047	0.016528	0.000042	0.000000	0.000095
108 HR	0.033589	0.000014	0.016529	0.000012	0.000000	0.000039
120 HR	0.033589	0.000004	0.016529	0.000003	0.000000	0.000016
132 HR	0.033589	0.000001	0.016529	0.000001	0.000000	0.000007

SATURATED IODINE 0.033589
SATURATED XENON 0.016529

TIME HOURS	IODINE		MW/KG	0.58 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.016627
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999689	0.016630
10 SEC	0.000010	0.999712	0.000000	0.000288	0.999377	0.016633
30 SEC	0.000030	0.999136	0.000002	0.000863	0.998134	0.016646
60 SEC	0.000059	0.998272	0.000003	0.001724	0.996270	0.016665
2 MIN	0.000118	0.996548	0.000006	0.003439	0.992555	0.016703
5 MIN	0.000294	0.991392	0.000016	0.008528	0.981491	0.016816
10 MIN	0.000586	0.982857	0.000035	0.016826	0.963325	0.017001
30 MIN	0.001728	0.949448	0.000129	0.047798	0.893961	0.017707
60 MIN	0.003368	0.901452	0.000328	0.088112	0.799166	0.018663
2 HR	0.006404	0.812616	0.000886	0.149844	0.638666	0.020231
4 HR	0.011609	0.660345	0.002412	0.217466	0.407894	0.022220
8 HR	0.019275	0.436055	0.005921	0.232306	0.166378	0.022990
12 HR	0.024337	0.287946	0.009019	0.189584	0.067864	0.021334
24 HR	0.031344	0.082913	0.014245	0.067456	0.004606	0.012844
36 HR	0.033362	0.023875	0.015928	0.020297	0.000313	0.006412
48 HR	0.033943	0.006875	0.016424	0.005904	0.000021	0.002945
60 HR	0.034111	0.001980	0.016568	0.001704	0.000001	0.001293
72 HR	0.034159	0.000570	0.016610	0.000491	0.000000	0.000553
84 HR	0.034173	0.000164	0.016622	0.000141	0.000000	0.000232
96 HR	0.034177	0.000047	0.016625	0.000041	0.000000	0.000096
108 HR	0.034178	0.000014	0.016626	0.000012	0.000000	0.000040
120 HR	0.034178	0.000004	0.016627	0.000003	0.000000	0.000016
132 HR	0.034178	0.000001	0.016627	0.000001	0.000000	0.000007

SATURATED IODINE 0.034178
SATURATED XENON 0.016627

TIME HOURS	IODINE		MW/KG	0.59 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.016722
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999685	0.016725
10 SEC	0.000010	0.999712	0.000001	0.000288	0.999370	0.016728
30 SEC	0.000030	0.999136	0.000002	0.000863	0.998112	0.016741
60 SEC	0.000060	0.998272	0.000003	0.001724	0.996228	0.016761
2 MIN	0.000120	0.996548	0.000006	0.003439	0.992470	0.016800
5 MIN	0.000299	0.991392	0.000017	0.008527	0.981281	0.016916
10 MIN	0.000596	0.982857	0.000035	0.016822	0.962913	0.017106
30 MIN	0.001758	0.949448	0.000132	0.047768	0.892814	0.017828
60 MIN	0.003426	0.901452	0.000333	0.088001	0.797117	0.018807
2 HR	0.006515	0.812616	0.000900	0.149476	0.635396	0.020415
4 HR	0.011809	0.660345	0.002446	0.216443	0.403728	0.022462
8 HR	0.019607	0.436055	0.005989	0.230311	0.162996	0.023281
12 HR	0.024758	0.287946	0.009107	0.187364	0.065806	0.021624
24 HR	0.031883	0.082913	0.014345	0.066280	0.004330	0.013034
36 HR	0.033937	0.023875	0.016025	0.019897	0.000285	0.006510
48 HR	0.034529	0.006875	0.016521	0.005783	0.000019	0.002991
60 HR	0.034699	0.001980	0.016664	0.001669	0.000001	0.001313
72 HR	0.034748	0.000570	0.016705	0.000481	0.000000	0.000561
84 HR	0.034762	0.000164	0.016717	0.000138	0.000000	0.000236
96 HR	0.034766	0.000047	0.016720	0.000040	0.000000	0.000098
108 HR	0.034767	0.000014	0.016721	0.000011	0.000000	0.000040
120 HR	0.034767	0.000004	0.016722	0.000003	0.000000	0.000017
132 HR	0.034767	0.000001	0.016722	0.000001	0.000000	0.000007

SATURATED IODINE 0.034768
SATURATED XENON 0.016722

TIME HOURS	MW/KG		0.60		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999682
10 SEC	0.000010	0.999712	0.000001	0.000288	0.999363
30 SEC	0.000031	0.999136	0.000002	0.000863	0.998091
60 SEC	0.000061	0.998272	0.000003	0.001724	0.996185
2 MIN	0.000122	0.996548	0.000006	0.003439	0.992385
5 MIN	0.000304	0.991392	0.000017	0.008527	0.981072
10 MIN	0.000606	0.982857	0.000036	0.016818	0.962501
30 MIN	0.001787	0.949448	0.000134	0.047738	0.891669
60 MIN	0.003484	0.901452	0.000338	0.087890	0.795074
2 HR	0.006625	0.812616	0.000914	0.149109	0.632143
4 HR	0.012009	0.660345	0.002479	0.215426	0.399605
8 HR	0.019939	0.436055	0.006056	0.228340	0.159684
12 HR	0.025176	0.287946	0.009195	0.185183	0.063810
24 HR	0.032425	0.082913	0.014443	0.065140	0.004072
36 HR	0.034513	0.023875	0.016121	0.019511	0.000260
48 HR	0.035114	0.006875	0.016614	0.005666	0.000017
60 HR	0.035287	0.001980	0.016757	0.001635	0.000001
72 HR	0.035337	0.000570	0.016798	0.000471	0.000000
84 HR	0.035351	0.000164	0.016810	0.000136	0.000000
96 HR	0.035355	0.000047	0.016814	0.000039	0.000000
108 HR	0.035356	0.000014	0.016815	0.000011	0.000000
120 HR	0.035357	0.000004	0.016815	0.000003	0.000000
132 HR	0.035357	0.000001	0.016815	0.000001	0.000000

SATURATED IODINE 0.035357
SATURATED XENON 0.016815

TIME HOURS	MW/KG		0.61		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999678
10 SEC	0.000010	0.999712	0.000001	0.000288	0.999356
30 SEC	0.000031	0.999136	0.000002	0.000863	0.998070
60 SEC	0.000062	0.998272	0.000003	0.001724	0.996143
2 MIN	0.000124	0.996548	0.000007	0.003439	0.992300
5 MIN	0.000309	0.991392	0.000017	0.008526	0.980862
10 MIN	0.000616	0.982857	0.000036	0.016815	0.962090
30 MIN	0.001817	0.949448	0.000136	0.047707	0.890526
60 MIN	0.003542	0.901452	0.000344	0.087780	0.793036
2 HR	0.006736	0.812616	0.000927	0.148742	0.628906
4 HR	0.012209	0.660345	0.002512	0.214416	0.395523
8 HR	0.020272	0.436055	0.006123	0.226394	0.156439
12 HR	0.025596	0.287946	0.009280	0.183041	0.061875
24 HR	0.032966	0.082913	0.014540	0.064032	0.003829
36 HR	0.035088	0.023875	0.016214	0.019139	0.000237
48 HR	0.035699	0.006875	0.016706	0.005554	0.000015
60 HR	0.035875	0.001980	0.016848	0.001602	0.000001
72 HR	0.035926	0.000570	0.016889	0.000461	0.000000
84 HR	0.035940	0.000164	0.016901	0.000133	0.000000
96 HR	0.035944	0.000047	0.016905	0.000038	0.000000
108 HR	0.035946	0.000014	0.016906	0.000011	0.000000
120 HR	0.035946	0.000004	0.016906	0.000003	0.000000
132 HR	0.035946	0.000001	0.016906	0.000001	0.000000

SATURATED IODINE 0.035946
SATURATED XENON 0.016906

TIME HOURS	MW/KG		0.62		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999675
10 SEC	0.000011	0.999712	0.000001	0.000288	0.999349
30 SEC	0.000032	0.999136	0.000002	0.000863	0.998048
60 SEC	0.000063	0.998272	0.000003	0.001724	0.996100
2 MIN	0.000126	0.996548	0.000007	0.003439	0.992215
5 MIN	0.000315	0.991392	0.000017	0.008525	0.980652
10 MIN	0.000626	0.982857	0.000037	0.016811	0.961678
30 MIN	0.001847	0.949448	0.000138	0.047677	0.889384
60 MIN	0.003600	0.901452	0.000349	0.087670	0.791004
2 HR	0.006846	0.812616	0.000940	0.148378	0.625687
4 HR	0.012409	0.660345	0.002545	0.213412	0.391484
8 HR	0.020604	0.436055	0.006189	0.224473	0.153259
12 HR	0.026015	0.287946	0.009365	0.180937	0.059999
24 HR	0.033506	0.082913	0.014634	0.062956	0.003600
36 HR	0.035663	0.023875	0.016305	0.018779	0.000216
48 HR	0.036284	0.006875	0.016796	0.005447	0.000013
60 HR	0.036463	0.001980	0.016938	0.001571	0.000001
72 HR	0.036515	0.000570	0.016979	0.000452	0.000000
84 HR	0.036529	0.000164	0.016990	0.000130	0.000000
96 HR	0.036534	0.000047	0.016994	0.000038	0.000000
108 HR	0.036535	0.000014	0.016995	0.000011	0.000000
120 HR	0.036535	0.000004	0.016995	0.000003	0.000000
132 HR	0.036535	0.000001	0.016995	0.000001	0.000000

SATURATED IODINE 0.036535
SATURATED XENON 0.016995

TIME HOURS	MW/KG		0.63		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999671
10 SEC	0.000011	0.999712	0.000001	0.000288	0.999342
30 SEC	0.000032	0.999136	0.000002	0.000863	0.998027
60 SEC	0.000064	0.998272	0.000003	0.001724	0.996057
2 MIN	0.000128	0.996548	0.000007	0.003439	0.992131
5 MIN	0.000320	0.991392	0.000018	0.008524	0.980442
10 MIN	0.000636	0.982857	0.000038	0.016808	0.961267
30 MIN	0.001877	0.949448	0.000140	0.047647	0.888243
60 MIN	0.003659	0.901452	0.000354	0.087560	0.788976
2 HR	0.006957	0.812616	0.000954	0.148014	0.622483
4 HR	0.012610	0.660345	0.002577	0.212415	0.387485
8 HR	0.020938	0.436055	0.006254	0.222574	0.150145
12 HR	0.026435	0.287946	0.009448	0.178869	0.058179
24 HR	0.034047	0.082913	0.014726	0.061911	0.003385
36 HR	0.036238	0.023875	0.016395	0.018432	0.000197
48 HR	0.036869	0.006875	0.016884	0.005343	0.000011
60 HR	0.037051	0.001980	0.017025	0.001540	0.000001
72 HR	0.037103	0.000570	0.017066	0.000444	0.000000
84 HR	0.037119	0.000164	0.017077	0.000128	0.000000
96 HR	0.037123	0.000047	0.017081	0.000037	0.000000
108 HR	0.037124	0.000014	0.017082	0.000011	0.000000
120 HR	0.037125	0.000004	0.017082	0.000003	0.000000
132 HR	0.037125	0.000001	0.017082	0.000001	0.000000

SATURATED IODINE 0.037125
SATURATED XENON 0.017082

TIME HOURS	IODINE		MW/KG	0.64 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.017167
5 SEC	0.000005	0.999856	0.000000	0.000144	0.999668	0.017171
10 SEC	0.000011	0.999712	0.000001	0.000288	0.999335	0.017175
30 SEC	0.000033	0.999136	0.000002	0.000863	0.998006	0.017189
60 SEC	0.000065	0.998272	0.000003	0.001724	0.996015	0.017211
2 MIN	0.000130	0.996548	0.000007	0.003439	0.992046	0.017254
5 MIN	0.000325	0.991392	0.000018	0.008523	0.980233	0.017384
10 MIN	0.000647	0.982857	0.000038	0.016804	0.960856	0.017596
30 MIN	0.001906	0.949448	0.000142	0.047617	0.887104	0.018404
60 MIN	0.003717	0.901452	0.000359	0.087450	0.786954	0.019499
2 HR	0.007067	0.812616	0.000967	0.147652	0.619296	0.021310
4 HR	0.012810	0.660345	0.002610	0.211424	0.383528	0.023647
8 HR	0.021269	0.436055	0.006319	0.220700	0.147094	0.024722
12 HR	0.026854	0.287946	0.009530	0.176837	0.056414	0.023063
24 HR	0.034587	0.082913	0.014816	0.060896	0.003183	0.013979
36 HR	0.036814	0.023875	0.016482	0.018097	0.000180	0.006997
48 HR	0.037455	0.006875	0.016970	0.005243	0.000010	0.003218
60 HR	0.037639	0.001980	0.017110	0.001511	0.000001	0.001414
72 HR	0.037692	0.000570	0.017151	0.000435	0.000000	0.000604
84 HR	0.037708	0.000164	0.017163	0.000125	0.000000	0.000254
96 HR	0.037712	0.000047	0.017166	0.000036	0.000000	0.000105
108 HR	0.037713	0.000014	0.017167	0.000010	0.000000	0.000043
120 HR	0.037714	0.000004	0.017167	0.000003	0.000000	0.000018
132 HR	0.037714	0.000001	0.017167	0.000001	0.000000	0.000007

SATURATED IODINE 0.037714
SATURATED XENON 0.017167

TIME HOURS	IODINE		MW/KG	0.65	XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E		
0 SEC	0.	1.000000	0.	0.	1.000000	0.017251	
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999664	0.017255	
10 SEC	0.000011	0.999712	0.000001	0.000288	0.999328	0.017258	
30 SEC	0.000033	0.999136	0.000002	0.000863	0.997984	0.017273	
60 SEC	0.000066	0.998272	0.000003	0.001724	0.995972	0.017295	
2 MIN	0.000132	0.996548	0.000007	0.003438	0.991961	0.017340	
5 MIN	0.000330	0.991392	0.000018	0.008522	0.980023	0.017472	
10 MIN	0.000657	0.982857	0.000039	0.016800	0.960445	0.017688	
30 MIN	0.001936	0.949448	0.000144	0.047586	0.885966	0.018513	
60 MIN	0.003775	0.901452	0.000365	0.087341	0.784937	0.019633	
2 HR	0.007177	0.812616	0.000980	0.147290	0.616125	0.021484	
4 HR	0.013010	0.660345	0.002642	0.210440	0.379611	0.023879	
8 HR	0.021601	0.436055	0.006382	0.218848	0.144104	0.025008	
12 HR	0.027274	0.287946	0.009610	0.174840	0.054703	0.023349	
24 HR	0.035127	0.082913	0.014905	0.059909	0.002992	0.014167	
36 HR	0.037389	0.023875	0.016567	0.017774	0.000164	0.007094	
48 HR	0.038040	0.006875	0.017054	0.005147	0.000009	0.003263	
60 HR	0.038227	0.001980	0.017194	0.001483	0.000000	0.001434	
72 HR	0.038281	0.000570	0.017235	0.000427	0.000000	0.000613	
84 HR	0.038297	0.000164	0.017246	0.000123	0.000000	0.000258	
96 HR	0.038301	0.000047	0.017250	0.000035	0.000000	0.000107	
108 HR	0.038303	0.000014	0.017250	0.000010	0.000000	0.000044	
120 HR	0.038303	0.000004	0.017251	0.000003	0.000000	0.000018	
132 HR	0.038303	0.000001	0.017251	0.000001	0.000000	0.000007	

SATURATED IODINE 0.038303
SATURATED XENON 0.017251

TIME HOURS	IODINE		MW/KG	0.66	XENON	SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.017333
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999660	0.017336
10 SEC	0.000011	0.999712	0.000001	0.000288	0.999320	0.017340
30 SEC	0.000034	0.999136	0.000002	0.000863	0.997963	0.017355
60 SEC	0.000067	0.998272	0.000003	0.001724	0.995930	0.017378
2 MIN	0.000134	0.996548	0.000007	0.003438	0.991876	0.017423
5 MIN	0.000335	0.991392	0.000018	0.008521	0.979813	0.017558
10 MIN	0.000667	0.982857	0.000039	0.016797	0.960034	0.017779
30 MIN	0.001966	0.949448	0.000147	0.047556	0.884830	0.018621
60 MIN	0.003833	0.901452	0.000370	0.087231	0.782925	0.019764
2 HR	0.007288	0.812616	0.000994	0.146930	0.612971	0.021656
4 HR	0.013210	0.660345	0.002674	0.209462	0.375733	0.024111
8 HR	0.021933	0.436055	0.006445	0.217019	0.141176	0.025292
12 HR	0.027694	0.287946	0.009690	0.172878	0.053044	0.023634
24 HR	0.035668	0.082913	0.014991	0.058950	0.002814	0.014355
36 HR	0.037964	0.023875	0.016651	0.017461	0.000149	0.007191
48 HR	0.038625	0.006875	0.017136	0.005054	0.000008	0.003309
60 HR	0.038816	0.001980	0.017276	0.001457	0.000000	0.001454
72 HR	0.038870	0.000570	0.017316	0.000419	0.000000	0.000622
84 HR	0.038886	0.000164	0.017328	0.000121	0.000000	0.000261
96 HR	0.038891	0.000047	0.017331	0.000035	0.000000	0.000109
108 HR	0.038892	0.000014	0.017332	0.000010	0.000000	0.000045
120 HR	0.038892	0.000004	0.017332	0.000003	0.000000	0.000018
132 HR	0.038892	0.000001	0.017333	0.000001	0.000000	0.000007

SATURATED IODINE 0.038893
SATURATED XENON 0.017333

TIME HOURS	IODINE		MW/KG	0.67 XENON	SHUTDOWN TRANSIENT	
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.017413
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999657	0.017416
10 SEC	0.000011	0.999712	0.000001	0.000288	0.999313	0.017420
30 SEC	0.000034	0.999136	0.000002	0.000863	0.997941	0.017436
60 SEC	0.000068	0.998272	0.000004	0.001724	0.995887	0.017459
2 MIN	0.000136	0.996548	0.000007	0.003438	0.991791	0.017505
5 MIN	0.000340	0.991392	0.000019	0.008520	0.979604	0.017642
10 MIN	0.000677	0.982857	0.000040	0.016793	0.959623	0.017888
30 MIN	0.001996	0.949448	0.000149	0.047526	0.883696	0.018727
60 MIN	0.003891	0.901452	0.000375	0.087122	0.780918	0.019895
2 HR	0.007398	0.812616	0.001007	0.146572	0.609833	0.021827
4 HR	0.013410	0.660345	0.002705	0.208490	0.371896	0.024341
8 HR	0.022266	0.436055	0.006507	0.215212	0.138307	0.025575
12 HR	0.028113	0.287946	0.009768	0.170950	0.051436	0.023918
24 HR	0.036208	0.082913	0.015076	0.058017	0.002646	0.014543
36 HR	0.038539	0.023875	0.016733	0.017158	0.000136	0.007288
48 HR	0.039210	0.006875	0.017216	0.004964	0.000007	0.003354
60 HR	0.039404	0.001980	0.017356	0.001431	0.000000	0.001474
72 HR	0.039459	0.000570	0.017396	0.000412	0.000000	0.000630
84 HR	0.039475	0.000164	0.017408	0.000119	0.000000	0.000265
96 HR	0.039480	0.000047	0.017411	0.000034	0.000000	0.000110
108 HR	0.039481	0.000014	0.017412	0.000010	0.000000	0.000045
120 HR	0.039482	0.000004	0.017412	0.000003	0.000000	0.000019
132 HR	0.039482	0.000001	0.017413	0.000001	0.000000	0.000008

SATURATED IODINE 0.039482
SATURATED XENON 0.017413

TIME HOURS	IODINE		MW/KG	0.68 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.017491
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999653	0.017495
10 SEC	0.000012	0.999712	0.000001	0.000288	0.999306	0.017499
30 SEC	0.000035	0.999136	0.000002	0.000863	0.997920	0.017515
60 SEC	0.000069	0.998272	0.000004	0.001724	0.995844	0.017538
2 MIN	0.000138	0.996548	0.000007	0.003438	0.991706	0.017585
5 MIN	0.000345	0.991392	0.000019	0.008519	0.979394	0.017725
10 MIN	0.000687	0.982857	0.000041	0.016790	0.959213	0.017955
30 MIN	0.002026	0.949448	0.000151	0.047496	0.882562	0.018832
60 MIN	0.003949	0.901452	0.000380	0.087013	0.778916	0.020023
2 HR	0.007509	0.812616	0.001020	0.146714	0.606710	0.021997
4 HR	0.013610	0.660345	0.002737	0.207525	0.368098	0.024570
8 HR	0.022598	0.436055	0.006569	0.213428	0.135496	0.025857
12 HR	0.028533	0.287946	0.009844	0.169055	0.049876	0.024201
24 HR	0.036749	0.082913	0.015159	0.057110	0.002488	0.014730
36 HR	0.039114	0.023875	0.016813	0.016865	0.000124	0.007384
48 HR	0.039796	0.006875	0.017295	0.004877	0.000006	0.003399
60 HR	0.039992	0.001980	0.017435	0.001405	0.000000	0.001494
72 HR	0.040048	0.000570	0.017475	0.000405	0.000000	0.000639
84 HR	0.040064	0.000164	0.017486	0.000117	0.000000	0.000269
96 HR	0.040069	0.000047	0.017490	0.000034	0.000000	0.000112
108 HR	0.040071	0.000014	0.017491	0.000010	0.000000	0.000046
120 HR	0.040071	0.000004	0.017491	0.000003	0.000000	0.000019
132 HR	0.040071	0.000001	0.017491	0.000001	0.000000	0.000008

SATURATED IODINE 0.040071
SATURATED XENON 0.017491

TIME HOURS	IODINE		MW/KG	0.69 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.017568
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999650	0.017572
10 SEC	0.000012	0.999712	0.000001	0.000288	0.999299	0.017576
30 SEC	0.000035	0.999136	0.000002	0.000863	0.997899	0.017592
60 SEC	0.000070	0.998272	0.000004	0.001724	0.995802	0.017616
2 MIN	0.000140	0.996548	0.000007	0.003438	0.991621	0.017664
5 MIN	0.000350	0.991392	0.000019	0.008518	0.979185	0.017807
10 MIN	0.000697	0.982857	0.000041	0.016786	0.958803	0.018041
30 MIN	0.002055	0.949448	0.000153	0.047466	0.881430	0.018935
60 MIN	0.004007	0.901452	0.000385	0.086904	0.776920	0.020150
2 HR	0.007619	0.812616	0.001033	0.145858	0.603604	0.022165
4 HR	0.013811	0.660345	0.002768	0.206566	0.364338	0.024798
8 HR	0.022930	0.436055	0.006629	0.211665	0.132742	0.026139
12 HR	0.028952	0.287946	0.009920	0.167192	0.048363	0.024484
24 HR	0.037289	0.082913	0.015240	0.056228	0.002339	0.014917
36 HR	0.039690	0.023875	0.016891	0.016582	0.000113	0.007481
48 HR	0.040381	0.006875	0.017373	0.004794	0.000005	0.003444
60 HR	0.040580	0.001980	0.017512	0.001381	0.000000	0.001514
72 HR	0.040637	0.000570	0.017552	0.000398	0.000000	0.000648
84 HR	0.040654	0.000164	0.017563	0.000115	0.000000	0.000272
96 HR	0.040658	0.000047	0.017566	0.000033	0.000000	0.000113
108 HR	0.040660	0.000014	0.017567	0.000009	0.000000	0.000047
120 HR	0.040660	0.000004	0.017568	0.000003	0.000000	0.000019
132 HR	0.040660	0.000001	0.017568	0.000001	0.000000	0.000008

SATURATED IODINE 0.040660
SATURATED XENON 0.017568

TIME HOURS	IODINE		MW/KG	0.70 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.017643
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999646	0.017647
10 SEC	0.000012	0.999712	0.000001	0.000288	0.999292	0.017651
30 SEC	0.000036	0.999136	0.000002	0.000863	0.997877	0.017667
60 SEC	0.000071	0.998272	0.000004	0.001724	0.995759	0.017692
2 MIN	0.000142	0.996548	0.000008	0.003438	0.991537	0.017741
5 MIN	0.000355	0.991392	0.000020	0.008517	0.978976	0.017886
10 MIN	0.000707	0.982857	0.000042	0.016783	0.958393	0.018125
30 MIN	0.002085	0.949448	0.000155	0.047436	0.880300	0.019037
60 MIN	0.004065	0.901452	0.000391	0.086796	0.774928	0.020276
2 HR	0.007730	0.812616	0.001046	0.145502	0.600514	0.022332
4 HR	0.014011	0.660345	0.002799	0.205614	0.360617	0.025024
8 HR	0.023263	0.436055	0.006689	0.209924	0.130044	0.026419
12 HR	0.029372	0.287946	0.009994	0.165361	0.046896	0.024766
24 HR	0.037829	0.082913	0.015320	0.055370	0.002199	0.015104
36 HR	0.040265	0.023875	0.016968	0.016307	0.000103	0.007577
48 HR	0.040968	0.006875	0.017448	0.004713	0.000005	0.003489
60 HR	0.041168	0.001980	0.017587	0.001358	0.000000	0.001534
72 HR	0.041226	0.000570	0.017627	0.000391	0.000000	0.000656
84 HR	0.041243	0.000164	0.017638	0.000113	0.000000	0.000276
96 HR	0.041248	0.000047	0.017642	0.000032	0.000000	0.000115
108 HR	0.041249	0.000014	0.017643	0.000009	0.000000	0.000047
120 HR	0.041249	0.000004	0.017643	0.000003	0.000000	0.000019
132 HR	0.041250	0.000001	0.017643	0.000001	0.000000	0.000008

SATURATED IODINE 0.041250
SATURATED XENON 0.017643

TIME HOURS	IODINE		MW/KG	0.71 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.017717
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999643	0.017721
10 SEC	0.000012	0.999712	0.000001	0.000288	0.999285	0.017725
30 SEC	0.000036	0.999136	0.000002	0.000863	0.997856	0.017742
60 SEC	0.000072	0.998272	0.000004	0.001724	0.995717	0.017767
2 MIN	0.000144	0.996548	0.000008	0.003437	0.991452	0.017816
5 MIN	0.000360	0.991392	0.000020	0.008517	0.978766	0.017965
10 MIN	0.000717	0.982857	0.000042	0.016779	0.957983	0.018208
30 MIN	0.002115	0.949448	0.000157	0.047406	0.879171	0.019137
60 MIN	0.004123	0.901452	0.000396	0.086687	0.772942	0.020400
2 HR	0.007840	0.812616	0.001059	0.145148	0.597439	0.022498
4 HR	0.014211	0.660345	0.002830	0.204667	0.356934	0.025250
8 HR	0.023595	0.436055	0.006748	0.208203	0.127402	0.026699
12 HR	0.029792	0.287946	0.010068	0.163561	0.045474	0.025048
24 HR	0.038370	0.082913	0.015398	0.054535	0.002068	0.015290
36 HR	0.040840	0.023875	0.017044	0.016041	0.000094	0.007674
48 HR	0.041551	0.006875	0.017523	0.004634	0.000004	0.003534
60 HR	0.041758	0.001980	0.017661	0.001335	0.000000	0.001554
72 HR	0.041815	0.000570	0.017701	0.000384	0.000000	0.000665
84 HR	0.041832	0.000164	0.017712	0.000111	0.000000	0.000279
96 HR	0.041837	0.000047	0.017715	0.000032	0.000000	0.000116
108 HR	0.041838	0.000014	0.017716	0.000009	0.000000	0.000048
120 HR	0.041839	0.000004	0.017717	0.000003	0.000000	0.000020
132 HR	0.041839	0.000001	0.017717	0.000001	0.000000	0.000008

SATURATED IODINE 0.041839
SATURATED XENON 0.017717

TIME HOURS	MW/KG		0.72		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999639
10 SEC	0.000012	0.999712	0.000001	0.000288	0.999278
30 SEC	0.000037	0.999136	0.000002	0.000863	0.997835
60 SEC	0.000073	0.998272	0.000004	0.001724	0.995674
2 MIN	0.000146	0.996548	0.000008	0.003437	0.991367
5 MIN	0.000365	0.991392	0.000020	0.008516	0.978557
10 MIN	0.000727	0.982857	0.000043	0.016775	0.957573
30 MIN	0.002145	0.949448	0.000159	0.047376	0.878044
60 MIN	0.004181	0.901452	0.000401	0.086579	0.770961
2 HR	0.007950	0.812616	0.001072	0.144795	0.594380
4 HR	0.014411	0.660345	0.002861	0.203727	0.353288
8 HR	0.023927	0.436055	0.006807	0.260504	0.124813
12 HR	0.030211	0.287946	0.010140	0.161791	0.044095
24 HR	0.038910	0.082913	0.015475	0.053721	0.001944
36 HR	0.041415	0.023875	0.017118	0.015783	0.000086
48 HR	0.042137	0.006875	0.017595	0.004559	0.000004
60 HR	0.042344	0.001980	0.017733	0.001313	0.000000
72 HR	0.042404	0.000570	0.017773	0.000378	0.000000
84 HR	0.042421	0.000164	0.017784	0.000109	0.000000
96 HR	0.042426	0.000047	0.017788	0.000031	0.000000
108 HR	0.042428	0.000014	0.017788	0.000009	0.000000
120 HR	0.042428	0.000004	0.017789	0.000003	0.000000
132 HR	0.042428	0.000001	0.017789	0.000001	0.000000

SATURATED IODINE 0.042428
SATURATED XENON 0.017789

TIME HOURS	MW/KG		0.73		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999635
10 SEC	0.000012	0.999712	0.000001	0.000288	0.999271
30 SEC	0.000037	0.999136	0.000002	0.000863	0.997813
60 SEC	0.000074	0.998272	0.000004	0.001724	0.995631
2 MIN	0.000149	0.996548	0.000008	0.003437	0.991282
5 MIN	0.000370	0.991392	0.000020	0.008515	0.978348
10 MIN	0.000737	0.982857	0.000044	0.016772	0.957164
30 MIN	0.002175	0.949448	0.000162	0.047346	0.876918
60 MIN	0.004239	0.901452	0.000406	0.086471	0.768985
2 HR	0.008061	0.812616	0.001085	0.144444	0.591337
4 HR	0.014611	0.660345	0.002891	0.202792	0.349680
8 HR	0.024259	0.436055	0.006865	0.204825	0.122276
12 HR	0.030631	0.287946	0.010211	0.160052	0.042757
24 HR	0.039451	0.082913	0.015550	0.052930	0.001828
36 HR	0.041990	0.023875	0.017190	0.015534	0.000078
48 HR	0.042722	0.006875	0.017667	0.004485	0.000003
60 HR	0.042932	0.001980	0.017804	0.001292	0.000000
72 HR	0.042993	0.000570	0.017844	0.000372	0.000000
84 HR	0.043010	0.000164	0.017855	0.000107	0.000000
96 HR	0.043015	0.000047	0.017858	0.000031	0.000000
108 HR	0.043017	0.000014	0.017859	0.000009	0.000000
120 HR	0.043017	0.000004	0.017860	0.000003	0.000000
132 HR	0.043017	0.000001	0.017860	0.000001	0.000000

SATURATED IODINE 0.043017
SATURATED XENON 0.017860

TIME HOURS	MW/KG		0.74		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999632
10 SEC	0.000013	0.999712	0.000001	0.000288	0.999263
30 SEC	0.000038	0.999136	0.000002	0.000863	0.997792
60 SEC	0.000075	0.998272	0.000004	0.001724	0.995589
2 MIN	0.000151	0.996548	0.000008	0.003437	0.991197
5 MIN	0.000375	0.991392	0.000021	0.008514	0.978138
10 MIN	0.000748	0.982857	0.000044	0.016768	0.956754
30 MIN	0.002204	0.949448	0.000164	0.047316	0.875793
60 MIN	0.004297	0.901452	0.000411	0.086363	0.767014
2 HR	0.008171	0.812616	0.001098	0.144093	0.588310
4 HR	0.014811	0.660345	0.002921	0.201864	0.346108
8 HR	0.024592	0.436055	0.006922	0.203166	0.119791
12 HR	0.031050	0.287946	0.010281	0.158341	0.041461
24 HR	0.039991	0.082913	0.015624	0.052159	0.001719
36 HR	0.042566	0.023875	0.017261	0.015291	0.000071
48 HR	0.043307	0.006875	0.017737	0.004414	0.000003
60 HR	0.043520	0.001980	0.017874	0.001272	0.000000
72 HR	0.043582	0.000570	0.017913	0.000366	0.000000
84 HR	0.043600	0.000164	0.017925	0.000105	0.000000
96 HR	0.043605	0.000047	0.017928	0.000030	0.000000
108 HR	0.043606	0.000014	0.017929	0.000009	0.000000
120 HR	0.043607	0.000004	0.017929	0.000003	0.000000
132 HR	0.043607	0.000001	0.017929	0.000001	0.000000

SATURATED IODINE 0.043607
SATURATED XENON 0.017929

TIME HOURS	MW/KG		0.75		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000006	0.999856	0.000000	0.000144	0.999628
10 SEC	0.000013	0.999712	0.000001	0.000288	0.999256
30 SEC	0.000038	0.999136	0.000002	0.000863	0.997771
60 SEC	0.000076	0.998272	0.000004	0.001724	0.995546
2 MIN	0.000153	0.996548	0.000008	0.003437	0.991113
5 MIN	0.000380	0.991392	0.000021	0.008513	0.977929
10 MIN	0.000758	0.982857	0.000045	0.016765	0.956345
30 MIN	0.002234	0.949448	0.000166	0.047266	0.874670
60 MIN	0.004355	0.901452	0.000416	0.086255	0.765048
2 HR	0.008282	0.812616	0.001111	0.143744	0.585298
4 HR	0.015011	0.660345	0.002951	0.200941	0.342573
8 HR	0.024924	0.436055	0.006979	0.201528	0.117357
12 HR	0.031470	0.287946	0.010350	0.156660	0.040203
24 HR	0.040532	0.082913	0.015696	0.051408	0.001616
36 HR	0.043141	0.023875	0.017331	0.015056	0.000065
48 HR	0.043892	0.006875	0.017805	0.004345	0.000003
60 HR	0.044109	0.001980	0.017942	0.001252	0.000000
72 HR	0.044171	0.000570	0.017981	0.000360	0.000000
84 HR	0.044189	0.000164	0.017993	0.000104	0.000000
96 HR	0.044194	0.000047	0.017996	0.000030	0.000000
108 HR	0.044195	0.000014	0.017997	0.000009	0.000000
120 HR	0.044196	0.000004	0.017997	0.000003	0.000000
132 HR	0.044196	0.000001	0.017997	0.000001	0.000000

SATURATED IODINE 0.044196
SATURATED XENON 0.017997

TIME HOURS	IODINE		MM/KG	0.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.018319
5 SEC	0.000007	0.999856	0.000000	0.000144	0.999611	0.018324
10 SEC	0.000014	0.999712	0.000001	0.000288	0.999221	0.018329
30 SEC	0.000041	0.999136	0.000002	0.000863	0.997664	0.018349
60 SEC	0.000081	0.998272	0.000004	0.001724	0.995333	0.018378
2 MIN	0.000163	0.996548	0.000009	0.003436	0.990689	0.018436
5 MIN	0.000406	0.991392	0.000022	0.008508	0.976884	0.018609
10 MIN	0.000808	0.982857	0.000048	0.016747	0.954302	0.018894
30 MIN	0.002383	0.949448	0.000176	0.047137	0.869076	0.019981
60 MIN	0.004646	0.901452	0.000442	0.085719	0.755293	0.021462
2 HR	0.008834	0.812616	0.001174	0.142014	0.570467	0.023936
4 HR	0.016012	0.660345	0.003098	0.196418	0.325433	0.027235
8 HR	0.026586	0.436055	0.007251	0.193624	0.105907	0.029184
12 HR	0.033586	0.287946	0.010680	0.148660	0.034465	0.027558
24 HR	0.043234	0.082913	0.016038	0.047930	0.001188	0.016959
36 HR	0.046017	0.023875	0.017660	0.013978	0.000041	0.008538
48 HR	0.046818	0.006875	0.018129	0.004031	0.000001	0.003938
60 HR	0.047049	0.001980	0.018265	0.001161	0.000000	0.001733
72 HR	0.047116	0.000570	0.018304	0.000334	0.000000	0.000742
84 HR	0.047135	0.000164	0.018315	0.000096	0.000000	0.000312
96 HR	0.047140	0.000047	0.018318	0.000028	0.000000	0.000130
108 HR	0.047142	0.000014	0.018319	0.000008	0.000000	0.000053
120 HR	0.047142	0.000004	0.018319	0.000002	0.000000	0.000022
132 HR	0.047142	0.000001	0.018319	0.000001	0.000000	0.000009

SATURATED IODINE 0.047142
SATURATED XENON 0.018319

TIME HOURS	IODINE		MM/KG	0.81 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.018380
5 SEC	0.000007	0.999856	0.000000	0.000144	0.999607	0.018385
10 SEC	0.000014	0.999712	0.000001	0.000288	0.999214	0.018390
30 SEC	0.000041	0.999136	0.000002	0.000863	0.997643	0.018410
60 SEC	0.000082	0.998272	0.000004	0.001724	0.995291	0.018440
2 MIN	0.000165	0.996548	0.000009	0.003436	0.990604	0.018499
5 MIN	0.000411	0.991392	0.000023	0.008507	0.976675	0.018675
10 MIN	0.000818	0.982857	0.000048	0.016743	0.953894	0.018964
30 MIN	0.002413	0.949448	0.000178	0.047107	0.887961	0.020069
60 MIN	0.004704	0.901452	0.000447	0.085612	0.753357	0.021575
2 HR	0.008944	0.812616	0.001186	0.141672	0.567547	0.024091
4 HR	0.016212	0.660345	0.003127	0.195530	0.322109	0.027451
8 HR	0.026918	0.436055	0.007304	0.192099	0.103754	0.029457
12 HR	0.033968	0.287946	0.010743	0.147139	0.033420	0.027834
24 HR	0.043774	0.082913	0.016103	0.047285	0.001117	0.017143
36 HR	0.046592	0.023875	0.017722	0.013780	0.000037	0.008633
48 HR	0.047404	0.006875	0.018191	0.003973	0.000001	0.003983
60 HR	0.047637	0.001980	0.018326	0.001144	0.000000	0.001753
72 HR	0.047704	0.000570	0.018365	0.000330	0.000000	0.000750
84 HR	0.047724	0.000164	0.018376	0.000095	0.000000	0.000315
96 HR	0.047729	0.000047	0.018379	0.000027	0.000000	0.000131
108 HR	0.047731	0.000014	0.018380	0.000008	0.000000	0.000054
120 HR	0.047732	0.000004	0.018380	0.000002	0.000000	0.000022
132 HR	0.047732	0.000001	0.018380	0.000001	0.000000	0.000009

SATURATED IODINE 0.047732
SATURATED XENON 0.018380

TIME HOURS	IODINE		MM/KG	0.82 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.018440
5 SEC	0.000007	0.999856	0.000000	0.000144	0.999603	0.018445
10 SEC	0.000014	0.999712	0.000001	0.000288	0.999206	0.018450
30 SEC	0.000042	0.999136	0.000002	0.000863	0.997621	0.018470
60 SEC	0.000083	0.998272	0.000004	0.001724	0.995248	0.018500
2 MIN	0.000167	0.996548	0.000009	0.003436	0.990519	0.018560
5 MIN	0.000416	0.991392	0.000023	0.008507	0.976466	0.018739
10 MIN	0.000828	0.982857	0.000049	0.016740	0.953486	0.019033
30 MIN	0.002443	0.949448	0.000181	0.047077	0.866848	0.020155
60 MIN	0.004762	0.901452	0.000452	0.085506	0.751426	0.021686
2 HR	0.009055	0.812616	0.001199	0.141331	0.564641	0.024245
4 HR	0.016412	0.660345	0.003155	0.194648	0.318819	0.027667
8 HR	0.027250	0.436055	0.007356	0.190593	0.101646	0.029729
12 HR	0.034407	0.287946	0.010805	0.145642	0.032407	0.028110
24 HR	0.044315	0.082913	0.016166	0.046657	0.001050	0.017328
36 HR	0.047167	0.023875	0.017783	0.013588	0.000034	0.008729
48 HR	0.047989	0.006875	0.018251	0.003917	0.000001	0.004028
60 HR	0.048225	0.001980	0.018386	0.001128	0.000000	0.001773
72 HR	0.048293	0.000570	0.018424	0.000325	0.000000	0.000759
84 HR	0.048313	0.000164	0.018436	0.000094	0.000000	0.000319
96 HR	0.048319	0.000047	0.018439	0.000027	0.000000	0.000133
108 HR	0.048320	0.000014	0.018440	0.000008	0.000000	0.000055
120 HR	0.048321	0.000004	0.018440	0.000002	0.000000	0.000022
132 HR	0.048321	0.000001	0.018440	0.000001	0.000000	0.000009

SATURATED IODINE 0.048321
SATURATED XENON 0.018440

TIME HOURS	IODINE		MM/KG	0.83 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.018499
5 SEC	0.000007	0.999856	0.000000	0.000144	0.999600	0.018504
10 SEC	0.000014	0.999712	0.000001	0.000288	0.999199	0.018509
30 SEC	0.000042	0.999136	0.000002	0.000863	0.997600	0.018530
60 SEC	0.000084	0.998272	0.000004	0.001724	0.995206	0.018560
2 MIN	0.000169	0.996548	0.000009	0.003436	0.990434	0.018621
5 MIN	0.000421	0.991392	0.000023	0.008506	0.976257	0.018803
10 MIN	0.000838	0.982857	0.000049	0.016736	0.963078	0.019101
30 MIN	0.002472	0.949448	0.000183	0.047047	0.865737	0.020241
60 MIN	0.004820	0.901452	0.000457	0.085399	0.749500	0.021796
2 HR	0.009185	0.812616	0.001211	0.140990	0.581750	0.024398
4 HR	0.016613	0.660345	0.003184	0.193772	0.315563	0.027881
8 HR	0.027583	0.436055	0.007408	0.189104	0.099580	0.030001
12 HR	0.034827	0.287946	0.010866	0.144170	0.031424	0.028386
24 HR	0.044855	0.082913	0.016229	0.046043	0.000987	0.017512
36 HR	0.047743	0.023875	0.017843	0.013400	0.000031	0.008824
48 HR	0.048574	0.006875	0.018310	0.003863	0.000001	0.004072
60 HR	0.048812	0.001980	0.018444	0.001112	0.000000	0.001793
72 HR	0.048882	0.000570	0.018483	0.000320	0.000000	0.000767
84 HR	0.048902	0.000164	0.018494	0.000092	0.000000	0.000323
96 HR	0.048908	0.000047	0.018498	0.000027	0.000000	0.000134
108 HR	0.048910	0.000014	0.018499	0.000008	0.000000	0.000055
120 HR	0.048910	0.000004	0.018499	0.000002	0.000000	0.000023
132 HR	0.048910	0.000001	0.018499	0.000001	0.000000	0.000009

SATURATED IODINE 0.048910
SATURATED XENON 0.018499

TIME HOURS	IODINE		MW/KG	0.84 XENON	SHUTDOWN TRANSIENT
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	0.018557
5 SEC	0.000007	0.999856	0.000000	0.000144	0.018562
10 SEC	0.000014	0.999712	0.000001	0.000288	0.018567
30 SEC	0.000043	0.999136	0.000002	0.000863	0.018588
60 SEC	0.000086	0.998272	0.000004	0.001723	0.018619
2 MIN	0.000171	0.996548	0.000009	0.003435	0.018681
5 MIN	0.000426	0.991392	0.000023	0.008505	0.018865
10 MIN	0.000849	0.982857	0.000050	0.016733	0.019168
30 MIN	0.002502	0.949448	0.000185	0.047018	0.020326
60 MIN	0.004878	0.901452	0.000462	0.085293	0.021906
2 HR	0.009275	0.812616	0.001224	0.140651	0.024549
4 HR	0.016813	0.660345	0.003212	0.192902	0.028095
8 HR	0.027915	0.436055	0.007459	0.187633	0.030272
12 HR	0.035246	0.287946	0.010927	0.142721	0.028661
24 HR	0.045395	0.082913	0.016290	0.045445	0.000928
36 HR	0.048318	0.023875	0.017902	0.013218	0.000028
48 HR	0.049159	0.006875	0.018368	0.003810	0.000001
60 HR	0.049402	0.001980	0.018502	0.001097	0.000000
72 HR	0.049471	0.000570	0.018541	0.000316	0.000000
84 HR	0.049491	0.000164	0.018552	0.000091	0.000000
96 HR	0.049497	0.000047	0.018555	0.000026	0.000000
108 HR	0.049499	0.000014	0.018556	0.000008	0.000000
120 HR	0.049499	0.000004	0.018556	0.000002	0.000000
132 HR	0.049499	0.000001	0.018557	0.000001	0.000000

SATURATED IODINE 0.049500
SATURATED XENON 0.018557

TIME HOURS	IODINE		MW/KG	0.85 XENON	SHUTDOWN TRANSIENT
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	0.018613
5 SEC	0.000007	0.999856	0.000000	0.000144	0.018619
10 SEC	0.000014	0.999712	0.000001	0.000288	0.018624
30 SEC	0.000043	0.999136	0.000002	0.000863	0.018645
60 SEC	0.000087	0.998272	0.000004	0.001723	0.018676
2 MIN	0.000173	0.996548	0.000009	0.003435	0.018739
5 MIN	0.000431	0.991392	0.000024	0.008504	0.018927
10 MIN	0.000859	0.982857	0.000051	0.016729	0.019234
30 MIN	0.002532	0.949448	0.000187	0.046988	0.020410
60 MIN	0.004936	0.901452	0.000467	0.085187	0.022014
2 HR	0.009388	0.812616	0.001236	0.140313	0.024700
4 HR	0.017013	0.660345	0.003240	0.192037	0.028308
8 HR	0.028247	0.436055	0.007509	0.186179	0.030543
12 HR	0.035666	0.287946	0.010986	0.141296	0.028935
24 HR	0.045936	0.082913	0.016350	0.044860	0.000873
36 HR	0.048893	0.023875	0.017960	0.013041	0.000026
48 HR	0.049744	0.006875	0.018425	0.003759	0.000001
60 HR	0.049990	0.001980	0.018559	0.001082	0.000000
72 HR	0.050060	0.000570	0.018598	0.000312	0.000000
84 HR	0.050081	0.000164	0.018609	0.000090	0.000000
96 HR	0.050086	0.000047	0.018612	0.000026	0.000000
108 HR	0.050088	0.000014	0.018613	0.000007	0.000000
120 HR	0.050089	0.000004	0.018613	0.000002	0.000000
132 HR	0.050089	0.000001	0.018613	0.000001	0.000000

SATURATED IODINE 0.050089
SATURATED XENON 0.018613

TIME HOURS	IODINE		MW/KG	0.86 XENON	SHUTDOWN TRANSIENT
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	0.018669
5 SEC	0.000007	0.999856	0.000000	0.000144	0.018674
10 SEC	0.000015	0.999712	0.000001	0.000288	0.018680
30 SEC	0.000044	0.999136	0.000002	0.000863	0.018701
60 SEC	0.000088	0.998272	0.000005	0.001723	0.018733
2 MIN	0.000175	0.996548	0.000009	0.003435	0.018797
5 MIN	0.000436	0.991392	0.000024	0.008503	0.018987
10 MIN	0.000869	0.982857	0.000051	0.016726	0.019299
30 MIN	0.002562	0.949448	0.000189	0.046958	0.020493
60 MIN	0.004994	0.901452	0.000472	0.085082	0.022122
2 HR	0.009496	0.812616	0.001248	0.139976	0.024851
4 HR	0.017213	0.660345	0.003268	0.191177	0.028520
8 HR	0.028580	0.436055	0.007559	0.184742	0.030813
12 HR	0.036086	0.287946	0.011045	0.139893	0.029210
24 HR	0.046476	0.082913	0.016409	0.044290	0.018063
36 HR	0.049468	0.023875	0.018016	0.012868	0.000024
48 HR	0.050330	0.006875	0.018481	0.003709	0.000001
60 HR	0.050578	0.001980	0.018615	0.001068	0.000000
72 HR	0.050649	0.000570	0.018653	0.000308	0.000000
84 HR	0.050670	0.000164	0.018665	0.000089	0.000000
96 HR	0.050676	0.000047	0.018668	0.000025	0.000000
108 HR	0.050677	0.000014	0.018669	0.000007	0.000000
120 HR	0.050678	0.000004	0.018669	0.000002	0.000000
132 HR	0.050678	0.000001	0.018669	0.000001	0.000000

SATURATED IODINE 0.050678
SATURATED XENON 0.018669

TIME HOURS	IODINE		MW/KG	0.87 XENON	SHUTDOWN TRANSIENT
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	0.018724
5 SEC	0.000007	0.999856	0.000000	0.000144	0.018729
10 SEC	0.000015	0.999712	0.000001	0.000288	0.018735
30 SEC	0.000044	0.999136	0.000002	0.000863	0.018756
60 SEC	0.000089	0.998272	0.000005	0.001723	0.018789
2 MIN	0.000177	0.996548	0.000009	0.003435	0.018854
5 MIN	0.000441	0.991392	0.000024	0.008502	0.019047
10 MIN	0.000879	0.982857	0.000052	0.016722	0.019364
30 MIN	0.002592	0.949448	0.000191	0.046929	0.020575
60 MIN	0.005052	0.901452	0.000477	0.084976	0.022229
2 HR	0.009607	0.812616	0.001260	0.139641	0.025000
4 HR	0.017413	0.660345	0.003296	0.190323	0.028732
8 HR	0.028912	0.436055	0.007608	0.183322	0.031082
12 HR	0.036505	0.287946	0.011102	0.138513	0.029484
24 HR	0.047017	0.082913	0.016467	0.043733	0.000772
36 HR	0.050043	0.023875	0.018072	0.012700	0.000021
48 HR	0.050915	0.006875	0.018536	0.003660	0.000001
60 HR	0.051166	0.001980	0.018670	0.001054	0.000000
72 HR	0.051238	0.000570	0.018708	0.000303	0.000000
84 HR	0.051259	0.000164	0.018719	0.000087	0.000000
96 HR	0.051265	0.000047	0.018722	0.000025	0.000000
108 HR	0.051267	0.000014	0.018723	0.000007	0.000000
120 HR	0.051267	0.000004	0.018724	0.000002	0.000000
132 HR	0.051267	0.000001	0.018724	0.000001	0.000000

SATURATED IODINE 0.051267
SATURATED XENON 0.018724

TIME HOURS	MW/KG		0.88 XENON	SHUTDOWN TRANSIENT
	IODINE			
	A	B	C	D
0 SEC	0.	1.000000	0.	0.000000
5 SEC	0.000007	0.999856	0.000000	0.000144
10 SEC	0.000015	0.999712	0.000001	0.000288
30 SEC	0.000045	0.999136	0.000002	0.000863
60 SEC	0.000090	0.998272	0.000005	0.001723
2 MIN	0.000179	0.996548	0.000009	0.003435
5 MIN	0.000446	0.991392	0.000025	0.008501
10 MIN	0.000889	0.982857	0.000052	0.016718
30 MIN	0.002621	0.949448	0.000193	0.046899
60 MIN	0.005110	0.901452	0.000482	0.084871
2 HR	0.009717	0.812616	0.001273	0.139306
4 HR	0.017613	0.660345	0.003323	0.189475
8 HR	0.029244	0.436055	0.007657	0.181918
12 HR	0.036925	0.287946	0.011159	0.137156
24 HR	0.047557	0.082913	0.016524	0.043188
36 HR	0.050619	0.023875	0.018127	0.012535
48 HR	0.051500	0.006875	0.018590	0.003612
60 HR	0.051754	0.001980	0.018724	0.001040
72 HR	0.051827	0.000570	0.018762	0.000300
84 HR	0.051848	0.000164	0.018773	0.000086
96 HR	0.051854	0.000047	0.018776	0.000025
108 HR	0.051856	0.000014	0.018777	0.000007
120 HR	0.051858	0.000004	0.018778	0.000002
132 HR	0.051857	0.000001	0.018778	0.000001

SATURATED IODINE 0.051857
SATURATED XENON 0.018778

TIME HOURS	MW/KG		0.89 XENON	SHUTDOWN TRANSIENT
	IODINE			
	A	B	C	D
0 SEC	0.	1.000000	0.	0.000000
5 SEC	0.000008	0.999856	0.000000	0.000144
10 SEC	0.000015	0.999712	0.000001	0.000288
30 SEC	0.000045	0.999136	0.000002	0.000863
60 SEC	0.000091	0.998272	0.000005	0.001723
2 MIN	0.000181	0.996548	0.000010	0.003435
5 MIN	0.000451	0.991392	0.000025	0.008500
10 MIN	0.000899	0.982857	0.000053	0.016715
30 MIN	0.002651	0.949448	0.000195	0.046869
60 MIN	0.005188	0.901452	0.000487	0.084765
2 HR	0.009828	0.812616	0.001285	0.138973
4 HR	0.017814	0.660345	0.003350	0.188632
8 HR	0.029577	0.436055	0.007705	0.180531
12 HR	0.037344	0.287946	0.011215	0.135819
24 HR	0.048097	0.082913	0.016581	0.042657
36 HR	0.051194	0.023875	0.018181	0.012375
48 HR	0.052085	0.006875	0.018644	0.003566
60 HR	0.052342	0.001980	0.018777	0.001027
72 HR	0.052416	0.000570	0.018815	0.000296
84 HR	0.052437	0.000164	0.018826	0.000085
96 HR	0.052443	0.000047	0.018829	0.000025
108 HR	0.052445	0.000014	0.018830	0.000007
120 HR	0.052446	0.000004	0.018830	0.000002
132 HR	0.052446	0.000001	0.018831	0.000001

SATURATED IODINE 0.052446
SATURATED XENON 0.018831

TIME HOURS	MW/KG		0.90 XENON	SHUTDOWN TRANSIENT
	IODINE			
	A	B	C	D
0 SEC	0.	1.000000	0.	0.000000
5 SEC	0.000008	0.999856	0.000000	0.000144
10 SEC	0.000015	0.999712	0.000001	0.000288
30 SEC	0.000046	0.999136	0.000002	0.000863
60 SEC	0.000092	0.998272	0.000005	0.001723
2 MIN	0.000183	0.996548	0.000010	0.003435
5 MIN	0.000457	0.991392	0.000025	0.008499
10 MIN	0.000909	0.982857	0.000054	0.016711
30 MIN	0.002681	0.949448	0.000197	0.046840
60 MIN	0.005227	0.901452	0.000492	0.084660
2 HR	0.009938	0.812616	0.001297	0.138640
4 HR	0.018014	0.660345	0.003377	0.187794
8 HR	0.029909	0.436055	0.007752	0.179160
12 HR	0.037764	0.287946	0.011271	0.134504
24 HR	0.048638	0.082913	0.016636	0.042137
36 HR	0.051769	0.023875	0.018234	0.012219
48 HR	0.052671	0.006875	0.018696	0.003521
60 HR	0.052930	0.001980	0.018829	0.001014
72 HR	0.053005	0.000570	0.018867	0.000292
84 HR	0.053027	0.000164	0.018878	0.000084
96 HR	0.053033	0.000047	0.018881	0.000024
108 HR	0.053035	0.000014	0.018882	0.000007
120 HR	0.053035	0.000004	0.018882	0.000002
132 HR	0.053035	0.000001	0.018883	0.000001

SATURATED IODINE 0.053035
SATURATED XENON 0.018883

TIME HOURS	MW/KG		0.91 XENON	SHUTDOWN TRANSIENT
	IODINE			
	A	B	C	D
0 SEC	0.	1.000000	0.	0.000000
5 SEC	0.000008	0.999856	0.000000	0.000144
10 SEC	0.000015	0.999712	0.000001	0.000288
30 SEC	0.000046	0.999136	0.000002	0.000863
60 SEC	0.000093	0.998272	0.000005	0.001723
2 MIN	0.000185	0.996548	0.000010	0.003435
5 MIN	0.000462	0.991392	0.000025	0.008498
10 MIN	0.000919	0.982857	0.000054	0.016708
30 MIN	0.002711	0.949448	0.000199	0.046810
60 MIN	0.005285	0.901452	0.000497	0.084555
2 HR	0.010048	0.812616	0.001309	0.138309
4 HR	0.018214	0.660345	0.003404	0.186961
8 HR	0.030241	0.436055	0.007799	0.177805
12 HR	0.038184	0.287946	0.011325	0.133210
24 HR	0.049178	0.082913	0.016690	0.041629
36 HR	0.052344	0.023875	0.018286	0.012067
48 HR	0.053256	0.006875	0.018747	0.003477
60 HR	0.053518	0.001980	0.018880	0.001001
72 HR	0.053594	0.000570	0.018918	0.000288
84 HR	0.053618	0.000164	0.018929	0.000083
96 HR	0.053622	0.000047	0.018932	0.000024
108 HR	0.053624	0.000014	0.018933	0.000007
120 HR	0.053624	0.000004	0.018934	0.000002
132 HR	0.053624	0.000001	0.018934	0.000001

SATURATED IODINE 0.053625
SATURATED XENON 0.018934

TIME HOURS	IODINE		MW/KG	0.92 XENON	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0 SEC	0.	1.000000	0.	0.	1.000000	0.018984
5 SEC	0.000008	0.999856	0.000000	0.000144	0.999568	0.018990
10 SEC	0.000016	0.999712	0.000001	0.000288	0.999135	0.018996
30 SEC	0.000047	0.999136	0.000002	0.000863	0.997408	0.019019
60 SEC	0.000094	0.998272	0.000005	0.001723	0.994823	0.019054
2 MIN	0.000187	0.996548	0.000010	0.003434	0.989672	0.019123
5 MIN	0.000467	0.991392	0.000026	0.008497	0.974380	0.019330
10 MIN	0.000929	0.982857	0.000055	0.016704	0.949416	0.019671
30 MIN	0.002741	0.949448	0.000201	0.046781	0.855795	0.020972
60 MIN	0.005343	0.901452	0.000502	0.084451	0.732386	0.022750
2 HR	0.010159	0.812616	0.001321	0.137979	0.536389	0.025735
4 HR	0.018414	0.660345	0.003431	0.186134	0.287713	0.029779
8 HR	0.030574	0.436055	0.007846	0.176466	0.082779	0.032422
12 HR	0.038603	0.287946	0.011379	0.131936	0.023817	0.030848
24 HR	0.049719	0.082913	0.016743	0.041133	0.000567	0.019161
36 HR	0.052919	0.023875	0.018338	0.011919	0.000014	0.009680
48 HR	0.053841	0.006875	0.018798	0.003434	0.000000	0.004473
60 HR	0.054106	0.001980	0.018930	0.000989	0.000000	0.001971
72 HR	0.054183	0.000570	0.018969	0.000285	0.000000	0.000844
84 HR	0.054205	0.000164	0.018980	0.000082	0.000000	0.000355
96 HR	0.054211	0.000047	0.018983	0.000024	0.000000	0.000148
108 HR	0.054213	0.000014	0.018984	0.000007	0.000000	0.000061
120 HR	0.054214	0.000004	0.018984	0.000002	0.000000	0.000025
132 HR	0.054214	0.000001	0.018984	0.000001	0.000000	0.000010

SATURATED IODINE 0.054214
SATURATED XENON 0.018984

TIME HOURS	IODINE		MW/KG	0.93 XENON	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0 SEC	0.	1.000000	0.	0.	1.000000	0.019034
5 SEC	0.000008	0.999856	0.000000	0.000144	0.999564	0.019039
10 SEC	0.000016	0.999712	0.000001	0.000288	0.999128	0.019045
30 SEC	0.000047	0.999136	0.000002	0.000863	0.997387	0.019069
60 SEC	0.000095	0.998272	0.000005	0.001723	0.994780	0.019104
2 MIN	0.000189	0.996548	0.000010	0.003434	0.989588	0.019175
5 MIN	0.000472	0.991392	0.000026	0.008497	0.974172	0.019385
10 MIN	0.000939	0.982857	0.000055	0.016701	0.949010	0.019730
30 MIN	0.002770	0.949448	0.000203	0.046751	0.854698	0.021048
60 MIN	0.005401	0.901452	0.000507	0.084346	0.730509	0.022851
2 HR	0.010269	0.812616	0.001333	0.137650	0.533643	0.025880
4 HR	0.018614	0.660345	0.003458	0.185312	0.284775	0.029987
8 HR	0.030906	0.436055	0.007892	0.175142	0.081097	0.032688
12 HR	0.039023	0.287946	0.011432	0.130682	0.023094	0.031120
24 HR	0.050259	0.082913	0.016796	0.040647	0.000533	0.019344
36 HR	0.053495	0.023875	0.018388	0.011774	0.000012	0.009775
48 HR	0.054426	0.006875	0.018848	0.003392	0.000000	0.004517
60 HR	0.054695	0.001980	0.018980	0.000977	0.000000	0.001990
72 HR	0.054772	0.000570	0.019018	0.000281	0.000000	0.000852
84 HR	0.054794	0.000164	0.019029	0.000081	0.000000	0.000359
96 HR	0.054800	0.000047	0.019032	0.000023	0.000000	0.000149
108 HR	0.054802	0.000014	0.019033	0.000007	0.000000	0.000061
120 HR	0.054803	0.000004	0.019033	0.000002	0.000000	0.000025
132 HR	0.054803	0.000001	0.019034	0.000001	0.000000	0.000010

SATURATED IODINE 0.054803
SATURATED XENON 0.019034

TIME HOURS	IODINE		MW/KG	0.94 XENON	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0 SEC	0.	1.000000	0.	0.	1.000000	0.019082
5 SEC	0.000008	0.999856	0.000000	0.000144	0.999561	0.019088
10 SEC	0.000016	0.999712	0.000001	0.000288	0.999121	0.019094
30 SEC	0.000048	0.999136	0.000002	0.000863	0.997365	0.019118
60 SEC	0.000096	0.998272	0.000005	0.001723	0.994737	0.019154
2 MIN	0.000191	0.996548	0.000010	0.003434	0.989503	0.019225
5 MIN	0.000477	0.991392	0.000026	0.008496	0.973963	0.019438
10 MIN	0.000950	0.982857	0.000056	0.016697	0.948604	0.019788
30 MIN	0.002800	0.949448	0.000206	0.046722	0.853602	0.021125
60 MIN	0.005459	0.901452	0.000512	0.084242	0.728636	0.022952
2 HR	0.010380	0.812616	0.001345	0.137322	0.530911	0.026024
4 HR	0.018814	0.660345	0.003484	0.184495	0.281866	0.030194
8 HR	0.031238	0.436055	0.007937	0.173833	0.079449	0.032954
12 HR	0.039442	0.287946	0.011485	0.129448	0.022394	0.031391
24 HR	0.050800	0.082913	0.016847	0.040173	0.000501	0.019526
36 HR	0.054070	0.023875	0.018438	0.011633	0.000011	0.009869
48 HR	0.055012	0.006875	0.018897	0.003351	0.000000	0.004562
60 HR	0.055283	0.001980	0.019029	0.000965	0.000000	0.002010
72 HR	0.055361	0.000570	0.019067	0.000278	0.000000	0.000861
84 HR	0.055383	0.000164	0.019078	0.000080	0.000000	0.000362
96 HR	0.055390	0.000047	0.019081	0.000023	0.000000	0.000151
108 HR	0.055392	0.000014	0.019082	0.000007	0.000000	0.000062
120 HR	0.055392	0.000004	0.019082	0.000002	0.000000	0.000025
132 HR	0.055392	0.000001	0.019082	0.000001	0.000000	0.000010

SATURATED IODINE 0.055392
SATURATED XENON 0.019082

TIME HOURS	IODINE		MW/KG	0.95 XENON	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0 SEC	0.	1.000000	0.	0.	1.000000	0.019130
5 SEC	0.000008	0.999856	0.000000	0.000144	0.999557	0.019136
10 SEC	0.000016	0.999712	0.000001	0.000288	0.999114	0.019142
30 SEC	0.000048	0.999136	0.000002	0.000863	0.997344	0.019167
60 SEC	0.000097	0.998272	0.000005	0.001723	0.994695	0.019203
2 MIN	0.000193	0.996548	0.000010	0.003434	0.989418	0.019275
5 MIN	0.000482	0.991392	0.000027	0.008495	0.973755	0.019491
10 MIN	0.000960	0.982857	0.000056	0.016694	0.948199	0.019845
30 MIN	0.002830	0.949448	0.000208	0.046692	0.852507	0.021200
60 MIN	0.005517	0.901452	0.000517	0.084138	0.726769	0.023053
2 HR	0.010490	0.812616	0.001357	0.136995	0.528192	0.026167
4 HR	0.019014	0.660345	0.003510	0.183683	0.278987	0.030400
8 HR	0.031571	0.436055	0.007982	0.172540	0.077834	0.033220
12 HR	0.039862	0.287946	0.011536	0.128232	0.021715	0.031662
24 HR	0.051340	0.082913	0.016898	0.039709	0.000472	0.019708
36 HR	0.054645	0.023875	0.018486	0.011494	0.000010	0.009964
48 HR	0.055597	0.006875	0.018945	0.003311	0.000000	0.004606
60 HR	0.055871	0.001980	0.019077	0.000953	0.000000	0.002030
72 HR	0.055950	0.000570	0.019115	0.000275	0.000000	0.000869
84 HR	0.055972	0.000164	0.019126	0.000079	0.000000	0.000366
96 HR	0.055979	0.000047	0.019129	0.000023	0.000000	0.000152
108 HR	0.055981	0.000014	0.019130	0.000007	0.000000	0.000063
120 HR	0.055981	0.000004	0.019130	0.000002	0.000000	0.000026
132 HR	0.055982	0.000001	0.019130	0.000001	0.000000	0.000011

SATURATED IODINE 0.055982
SATURATED XENON 0.019130

TIME HOURS	MW/KG		0.96		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000008	0.999856	0.000000	0.000144	0.999554
10 SEC	0.000016	0.999712	0.000001	0.000288	0.999107
30 SEC	0.000049	0.999136	0.000003	0.000863	0.997323
60 SEC	0.000098	0.998272	0.000005	0.001723	0.994652
2 MIN	0.000195	0.996548	0.000010	0.003434	0.989334
5 MIN	0.000487	0.991392	0.000027	0.008494	0.973547
10 MIN	0.000970	0.982857	0.000057	0.016690	0.947793
30 MIN	0.002860	0.949448	0.000210	0.046663	0.851414
60 MIN	0.005575	0.901452	0.000522	0.084034	0.724906
2 HR	0.010600	0.812616	0.001368	0.136669	0.525488
4 HR	0.019215	0.660345	0.003536	0.182877	0.276138
8 HR	0.031903	0.436055	0.008027	0.171261	0.076252
12 HR	0.040282	0.287946	0.011587	0.127036	0.021056
24 HR	0.051880	0.082913	0.016948	0.039254	0.000443
36 HR	0.055220	0.023875	0.018535	0.011359	0.000009
48 HR	0.056182	0.006875	0.018992	0.003272	0.000000
60 HR	0.056459	0.001980	0.019124	0.000942	0.000000
72 HR	0.056539	0.000570	0.019162	0.000271	0.000000
84 HR	0.056562	0.000164	0.019173	0.000078	0.000000
96 HR	0.056568	0.000047	0.019176	0.000022	0.000000
108 HR	0.056570	0.000014	0.019177	0.000006	0.000000
120 HR	0.056571	0.000004	0.019177	0.000002	0.000000
132 HR	0.056571	0.000001	0.019177	0.000001	0.000000

SATURATED IODINE 0.056571
SATURATED XENON 0.019177

TIME HOURS	MW/KG		0.97		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000008	0.999856	0.000000	0.000144	0.999550
10 SEC	0.000016	0.999712	0.000001	0.000288	0.999100
30 SEC	0.000049	0.999136	0.000003	0.000863	0.997301
60 SEC	0.000099	0.998272	0.000005	0.001723	0.994610
2 MIN	0.000197	0.996548	0.000010	0.003434	0.989249
5 MIN	0.000492	0.991392	0.000027	0.008493	0.973339
10 MIN	0.000980	0.982857	0.000058	0.016686	0.947388
30 MIN	0.002890	0.949448	0.000212	0.046634	0.850322
60 MIN	0.005633	0.901452	0.000527	0.083930	0.723048
2 HR	0.010711	0.812616	0.001380	0.136344	0.522798
4 HR	0.019415	0.660345	0.003562	0.182075	0.273318
8 HR	0.032235	0.436055	0.008071	0.169997	0.074702
12 HR	0.040701	0.287946	0.011637	0.125858	0.020417
24 HR	0.052421	0.082913	0.016997	0.038810	0.000417
36 HR	0.055796	0.023875	0.018582	0.011228	0.000009
48 HR	0.056767	0.006875	0.019039	0.003234	0.000000
60 HR	0.057047	0.001980	0.019171	0.000931	0.000000
72 HR	0.057128	0.000570	0.019208	0.000268	0.000000
84 HR	0.057151	0.000164	0.019219	0.000077	0.000000
96 HR	0.057157	0.000047	0.019222	0.000022	0.000000
108 HR	0.057159	0.000014	0.019223	0.000006	0.000000
120 HR	0.057160	0.000004	0.019224	0.000002	0.000000
132 HR	0.057160	0.000001	0.019224	0.000001	0.000000

SATURATED IODINE 0.057160
SATURATED XENON 0.019224

TIME HOURS	MW/KG		0.98		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000008	0.999856	0.000000	0.000144	0.999546
10 SEC	0.000017	0.999712	0.000001	0.000288	0.999092
30 SEC	0.000050	0.999136	0.000003	0.000863	0.997280
60 SEC	0.000100	0.998272	0.000005	0.001723	0.994567
2 MIN	0.000199	0.996548	0.000011	0.003434	0.989164
5 MIN	0.000497	0.991392	0.000027	0.008492	0.973130
10 MIN	0.000990	0.982857	0.000058	0.016683	0.946983
30 MIN	0.002919	0.949448	0.000214	0.046604	0.849232
60 MIN	0.005691	0.901452	0.000532	0.083826	0.721194
2 HR	0.010821	0.812616	0.001392	0.136020	0.520121
4 HR	0.019615	0.660345	0.003588	0.181279	0.270526
8 HR	0.032588	0.436055	0.008114	0.168747	0.073184
12 HR	0.041121	0.287946	0.011687	0.124698	0.019798
24 HR	0.052961	0.082913	0.017046	0.038375	0.000392
36 HR	0.056371	0.023875	0.018628	0.011099	0.000008
48 HR	0.057352	0.006875	0.019085	0.003197	0.000000
60 HR	0.057635	0.001980	0.019216	0.000921	0.000000
72 HR	0.057717	0.000570	0.019254	0.000265	0.000000
84 HR	0.057740	0.000164	0.019265	0.000076	0.000000
96 HR	0.057747	0.000047	0.019268	0.000022	0.000000
108 HR	0.057749	0.000014	0.019269	0.000006	0.000000
120 HR	0.057749	0.000004	0.019269	0.000002	0.000000
132 HR	0.057749	0.000001	0.019269	0.000001	0.000000

SATURATED IODINE 0.057749
SATURATED XENON 0.019269

TIME HOURS	MW/KG		0.99		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000008	0.999856	0.000000	0.000144	0.999543
10 SEC	0.000017	0.999712	0.000001	0.000288	0.999085
30 SEC	0.000050	0.999136	0.000003	0.000863	0.997259
60 SEC	0.000101	0.998272	0.000005	0.001723	0.994525
2 MIN	0.000201	0.996548	0.000011	0.003433	0.989080
5 MIN	0.000502	0.991392	0.000028	0.008491	0.972922
10 MIN	0.001000	0.982857	0.000059	0.016679	0.946578
30 MIN	0.002949	0.949448	0.000216	0.046575	0.848143
60 MIN	0.005749	0.901452	0.000536	0.083723	0.719346
2 HR	0.010932	0.812616	0.001404	0.135697	0.517458
4 HR	0.019815	0.660345	0.003613	0.180488	0.267763
8 HR	0.032900	0.436055	0.008157	0.167512	0.071697
12 HR	0.041540	0.287946	0.011735	0.123556	0.019198
24 HR	0.053502	0.082913	0.017093	0.037950	0.000369
36 HR	0.056946	0.023875	0.018674	0.010973	0.000007
48 HR	0.057938	0.006875	0.019130	0.003160	0.000000
60 HR	0.058223	0.001980	0.019261	0.000910	0.000000
72 HR	0.058305	0.000570	0.019299	0.000262	0.000000
84 HR	0.058329	0.000164	0.019310	0.000075	0.000000
96 HR	0.058336	0.000047	0.019313	0.000022	0.000000
108 HR	0.058338	0.000014	0.019314	0.000006	0.000000
120 HR	0.058339	0.000004	0.019314	0.000002	0.000000
132 HR	0.058339	0.000001	0.019314	0.000001	0.000000

SATURATED IODINE 0.058339
SATURATED XENON 0.019314

TIME HOURS	IODINE		MW/KG	1.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.019359
5 SEC	0.000008	0.999856	0.000000	0.000144	0.999539	0.019365
10 SEC	0.000017	0.999712	0.000001	0.000288	0.999078	0.019372
30 SEC	0.000051	0.999136	0.000003	0.000863	0.997237	0.019397
60 SEC	0.000102	0.998272	0.000005	0.001723	0.994482	0.019436
2 MIN	0.000203	0.996548	0.000011	0.003433	0.988995	0.019513
5 MIN	0.000507	0.991392	0.000028	0.008490	0.972714	0.019743
10 MIN	0.001010	0.982857	0.000059	0.016676	0.946173	0.020121
30 MIN	0.002979	0.949448	0.000218	0.046546	0.847055	0.021566
60 MIN	0.005807	0.901452	0.000541	0.083619	0.717502	0.023544
2 HR	0.011042	0.812616	0.001415	0.135376	0.514809	0.026875
4 HR	0.020015	0.660345	0.003639	0.179701	0.265028	0.031425
8 HR	0.033232	0.436055	0.008200	0.166291	0.070240	0.034542
12 HR	0.041960	0.287946	0.011784	0.122431	0.018616	0.033013
24 HR	0.054042	0.082913	0.017140	0.037533	0.000347	0.020618
36 HR	0.057521	0.023875	0.018719	0.010850	0.000008	0.010437
48 HR	0.058523	0.006875	0.019174	0.003125	0.000000	0.004828
60 HR	0.058811	0.001980	0.019306	0.000900	0.000000	0.002128
72 HR	0.058894	0.000570	0.019343	0.000259	0.000000	0.000912
84 HR	0.058918	0.000164	0.019354	0.000075	0.000000	0.000384
96 HR	0.058925	0.000047	0.019357	0.000021	0.000000	0.000159
108 HR	0.058927	0.000014	0.019358	0.000006	0.000000	0.000066
120 HR	0.058928	0.000004	0.019359	0.000002	0.000000	0.000027
132 HR	0.058928	0.000001	0.019359	0.000001	0.000000	0.000011

SATURATED IODINE 0.058928
SATURATED XENON 0.019359

TIME HOURS	IODINE		MW/KG	1.02 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.019445
5 SEC	0.000009	0.999856	0.000000	0.000144	0.999532	0.019452
10 SEC	0.000017	0.999712	0.000001	0.000288	0.999064	0.019458
30 SEC	0.000052	0.999136	0.000003	0.000863	0.997195	0.019485
60 SEC	0.000104	0.998272	0.000005	0.001723	0.994397	0.019525
2 MIN	0.000207	0.996548	0.000011	0.003433	0.988826	0.019604
5 MIN	0.000517	0.991392	0.000028	0.008488	0.972298	0.019839
10 MIN	0.001030	0.982857	0.000061	0.016669	0.945364	0.020226
30 MIN	0.003038	0.949448	0.000222	0.046487	0.844884	0.021708
60 MIN	0.005923	0.901452	0.000551	0.083413	0.713828	0.023736
2 HR	0.011263	0.812616	0.001438	0.134736	0.509551	0.027154
4 HR	0.020416	0.660345	0.003689	0.178143	0.259642	0.031831
8 HR	0.033897	0.436055	0.008283	0.163889	0.067414	0.035069
12 HR	0.042799	0.287946	0.011878	0.120233	0.017504	0.033552
24 HR	0.055123	0.082913	0.017232	0.036725	0.000306	0.020981
36 HR	0.058672	0.023875	0.018807	0.010612	0.000005	0.010626
48 HR	0.059693	0.006875	0.019261	0.003056	0.000000	0.004916
60 HR	0.059988	0.001980	0.019392	0.000880	0.000000	0.002167
72 HR	0.060072	0.000570	0.019430	0.000253	0.000000	0.000929
84 HR	0.060097	0.000164	0.019441	0.000073	0.000000	0.000391
96 HR	0.060104	0.000047	0.019444	0.000021	0.000000	0.000162
108 HR	0.060106	0.000014	0.019445	0.000006	0.000000	0.000067
120 HR	0.060106	0.000004	0.019445	0.000002	0.000000	0.000027
132 HR	0.060107	0.000001	0.019445	0.000000	0.000000	0.000011

SATURATED IODINE 0.060107
SATURATED XENON 0.019445

TIME HOURS	IODINE		MW/KG	1.04 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.019529
5 SEC	0.000009	0.999856	0.000000	0.000144	0.999528	0.019536
10 SEC	0.000018	0.999712	0.000001	0.000288	0.999050	0.019543
30 SEC	0.000053	0.999136	0.000003	0.000863	0.997152	0.019570
60 SEC	0.000108	0.998272	0.000005	0.001723	0.994312	0.019610
2 MIN	0.000212	0.996548	0.000011	0.003433	0.988657	0.019691
5 MIN	0.000528	0.991392	0.000029	0.008487	0.971883	0.019933
10 MIN	0.001051	0.982857	0.000062	0.016662	0.944555	0.020329
30 MIN	0.003098	0.949448	0.000226	0.046429	0.842718	0.021847
60 MIN	0.006040	0.901452	0.000561	0.083208	0.710174	0.023926
2 HR	0.011484	0.812616	0.001461	0.134100	0.504347	0.027431
4 HR	0.020816	0.660345	0.003738	0.176604	0.254365	0.032235
8 HR	0.034561	0.436055	0.008365	0.161542	0.084702	0.035594
12 HR	0.043638	0.287946	0.011970	0.118100	0.016458	0.034089
24 HR	0.056204	0.082913	0.017321	0.035950	0.000271	0.021344
36 HR	0.059822	0.023875	0.018893	0.010384	0.000004	0.010814
48 HR	0.060864	0.006875	0.019346	0.002990	0.000000	0.005004
60 HR	0.061164	0.001980	0.019476	0.000861	0.000000	0.002207
72 HR	0.061260	0.000570	0.019514	0.000248	0.000000	0.000945
84 HR	0.061275	0.000164	0.019525	0.000071	0.000000	0.000398
96 HR	0.061282	0.000047	0.019528	0.000021	0.000000	0.000165
108 HR	0.061284	0.000014	0.019529	0.000006	0.000000	0.000058
120 HR	0.061285	0.000004	0.019529	0.000002	0.000000	0.000028
132 HR	0.061285	0.000001	0.019529	0.000001	0.000000	0.000011

SATURATED IODINE 0.061285
SATURATED XENON 0.019529

TIME HOURS	IODINE		MW/KG	1.06 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.019611
5 SEC	0.000009	0.999856	0.000000	0.000144	0.999518	0.019617
10 SEC	0.000018	0.999712	0.000001	0.000288	0.999035	0.019624
30 SEC	0.000054	0.999136	0.000003	0.000863	0.997109	0.019652
60 SEC	0.000108	0.998272	0.000006	0.001723	0.994227	0.019694
2 MIN	0.000216	0.996548	0.000011	0.003432	0.988488	0.019777
5 MIN	0.000538	0.991392	0.000030	0.008485	0.971467	0.020024
10 MIN	0.001071	0.982857	0.000063	0.016655	0.943748	0.020430
30 MIN	0.003158	0.949448	0.000230	0.046370	0.840558	0.021984
60 MIN	0.006156	0.901452	0.000570	0.083003	0.706538	0.024113
2 HR	0.011705	0.812616	0.001484	0.133468	0.499195	0.027705
4 HR	0.021216	0.660345	0.003787	0.175085	0.249196	0.032637
8 HR	0.035226	0.436055	0.008446	0.159247	0.062099	0.036117
12 HR	0.044478	0.287946	0.012059	0.116030	0.015475	0.034626
24 HR	0.057285	0.082913	0.017407	0.035206	0.000239	0.021706
36 HR	0.060972	0.023875	0.018975	0.010165	0.000004	0.011003
48 HR	0.062034	0.006875	0.019428	0.002927	0.000000	0.005093
60 HR	0.062340	0.001980	0.019558	0.000843	0.000000	0.002246
72 HR	0.062428	0.000570	0.019595	0.000243	0.000000	0.000962
84 HR	0.062453	0.000164	0.019606	0.000070	0.000000	0.000405
96 HR	0.062461	0.000047	0.019609	0.000020	0.000000	0.000168
108 HR	0.062463	0.000014	0.019610	0.000006	0.000000	0.000069
120 HR	0.062463	0.000004	0.019610	0.000002	0.000000	0.000028
132 HR	0.062464	0.000001	0.019610	0.000000	0.000000	0.000012

SATURATED IODINE 0.062464
SATURATED XENON 0.019611

TIME HOURS	IODINE		MW/KG	1.08 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.019690
5 SEC	0.000009	0.999856	0.000000	0.000144	0.999511	0.019697
10 SEC	0.000018	0.999712	0.000001	0.000288	0.999021	0.019704
30 SEC	0.000055	0.999136	0.000003	0.000863	0.997067	0.019732
60 SEC	0.000110	0.998272	0.000006	0.001723	0.994142	0.019775
2 MIN	0.000220	0.996548	0.000012	0.003432	0.988319	0.019860
5 MIN	0.000548	0.991392	0.000030	0.008483	0.971051	0.020113
10 MIN	0.001091	0.982857	0.000064	0.016648	0.942941	0.020528
30 MIN	0.003217	0.949448	0.000234	0.046312	0.838403	0.022119
60 MIN	0.006272	0.901452	0.000580	0.082799	0.702920	0.024298
2 HR	0.011926	0.812616	0.001507	0.132840	0.494097	0.027978
4 HR	0.021616	0.660345	0.003835	0.173584	0.244132	0.033038
8 HR	0.035891	0.436055	0.008524	0.157003	0.059600	0.036639
12 HR	0.045317	0.287946	0.012146	0.114022	0.014550	0.035161
24 HR	0.058366	0.082913	0.017490	0.034491	0.000212	0.022068
36 HR	0.062123	0.023875	0.019056	0.009956	0.000003	0.011191
48 HR	0.063205	0.006875	0.019507	0.002867	0.000000	0.005875
60 HR	0.063516	0.001980	0.019637	0.000826	0.000000	0.002285
72 HR	0.063606	0.000570	0.019674	0.000238	0.000000	0.000942
84 HR	0.063632	0.000164	0.019685	0.000068	0.000000	0.000412
96 HR	0.063639	0.000047	0.019688	0.000020	0.000000	0.000171
108 HR	0.063641	0.000014	0.019689	0.000006	0.000000	0.000071
120 HR	0.063642	0.000004	0.019689	0.000002	0.000000	0.000029
132 HR	0.063642	0.000001	0.019690	0.000000	0.000000	0.000012

SATURATED IODINE 0.063642
SATURATED XENON 0.019690

TIME HOURS	IODINE		MW/KG	1.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.019766
5 SEC	0.000009	0.999856	0.000000	0.000144	0.999504	0.019774
10 SEC	0.000019	0.999712	0.000001	0.000288	0.999007	0.019781
30 SEC	0.000056	0.999136	0.000003	0.000863	0.997024	0.019810
60 SEC	0.000112	0.998272	0.000006	0.001723	0.994057	0.019854
2 MIN	0.000224	0.996548	0.000012	0.003432	0.988149	0.019940
5 MIN	0.000558	0.991392	0.000031	0.008481	0.970636	0.020199
10 MIN	0.001111	0.982857	0.000065	0.016640	0.942134	0.020624
30 MIN	0.003277	0.949448	0.000238	0.046254	0.836254	0.022251
60 MIN	0.006388	0.901452	0.000589	0.082596	0.699321	0.024481
2 HR	0.012146	0.812616	0.001529	0.132217	0.489051	0.028248
4 HR	0.022017	0.660345	0.003883	0.172102	0.239170	0.033436
8 HR	0.036555	0.436055	0.008601	0.154809	0.057202	0.037160
12 HR	0.046156	0.287946	0.012231	0.112072	0.013681	0.035696
24 HR	0.059466	0.082913	0.017571	0.033804	0.000187	0.022429
36 HR	0.063273	0.023875	0.019134	0.009755	0.000003	0.011379
48 HR	0.064375	0.006875	0.019584	0.002809	0.000000	0.005269
60 HR	0.064693	0.001980	0.019714	0.000809	0.000000	0.002324
72 HR	0.064784	0.000570	0.019751	0.000233	0.000000	0.000996
84 HR	0.064810	0.000164	0.019762	0.000067	0.000000	0.000419
96 HR	0.064818	0.000047	0.019765	0.000019	0.000000	0.000174
108 HR	0.064820	0.000014	0.019766	0.000006	0.000000	0.000072
120 HR	0.064821	0.000004	0.019766	0.000002	0.000000	0.000029
132 HR	0.064821	0.000001	0.019766	0.000000	0.000000	0.000012

SATURATED IODINE 0.064821
SATURATED XENON 0.019766

TIME HOURS	IODINE		MW/KG	1.12	XENON	SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.019841
5 SEC	0.000009	0.999856	0.000000	0.000144	0.999497	0.019848
10 SEC	0.000019	0.999712	0.000001	0.000288	0.998993	0.019856
30 SEC	0.000057	0.999136	0.000003	0.000863	0.996982	0.019886
60 SEC	0.000114	0.998272	0.000006	0.001722	0.993972	0.019930
2 MIN	0.000228	0.996548	0.000012	0.003431	0.987980	0.020019
5 MIN	0.000568	0.991392	0.000031	0.008479	0.970221	0.020283
10 MIN	0.001131	0.982857	0.000066	0.016633	0.941329	0.020718
30 MIN	0.003336	0.949448	0.000243	0.046196	0.834111	0.022381
60 MIN	0.006504	0.901452	0.000599	0.082393	0.695741	0.024662
2 HR	0.012367	0.812616	0.001552	0.131597	0.484056	0.028517
4 HR	0.022417	0.660345	0.003930	0.170639	0.234310	0.033834
8 HR	0.037220	0.436055	0.008676	0.152663	0.054901	0.037680
12 HR	0.046995	0.287946	0.012314	0.110178	0.012864	0.036230
24 HR	0.060527	0.082913	0.017650	0.033143	0.000165	0.022790
36 HR	0.064424	0.023875	0.019210	0.009562	0.000002	0.011567
48 HR	0.065546	0.006875	0.019659	0.002753	0.000000	0.005357
60 HR	0.065869	0.001980	0.019789	0.000793	0.000000	0.002363
72 HR	0.065962	0.000570	0.019826	0.000228	0.000000	0.001013
84 HR	0.065989	0.000164	0.019837	0.000066	0.000000	0.000426
96 HR	0.065996	0.000047	0.019840	0.000019	0.000000	0.000177
108 HR	0.065999	0.000014	0.019841	0.000005	0.000000	0.000073
120 HR	0.065999	0.000004	0.019841	0.000002	0.000000	0.000030
132 HR	0.065999	0.000001	0.019841	0.000000	0.000000	0.000012

SATURATED IODINE 0.065999
SATURATED XENON 0.019841

TIME HOURS	IODINE		MW/KG	1.14	XENON	SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.019914
5 SEC	0.000010	0.999856	0.000000	0.000144	0.999489	0.019921
10 SEC	0.000019	0.999712	0.000001	0.000288	0.998978	0.019929
30 SEC	0.000058	0.999136	0.000003	0.000863	0.996939	0.019959
60 SEC	0.000116	0.998272	0.000006	0.001722	0.993887	0.020005
2 MIN	0.000232	0.996548	0.000012	0.003431	0.987811	0.020095
5 MIN	0.000578	0.991392	0.000032	0.008478	0.969806	0.020365
10 MIN	0.001152	0.982857	0.000067	0.016626	0.940524	0.020810
30 MIN	0.003396	0.949448	0.000247	0.046138	0.831973	0.022510
60 MIN	0.006620	0.901452	0.000608	0.082191	0.692179	0.024841
2 HR	0.012588	0.812616	0.001574	0.130982	0.479112	0.028784
4 HR	0.022817	0.660345	0.003976	0.169193	0.229548	0.034229
8 HR	0.037885	0.436055	0.008750	0.150564	0.052692	0.038199
12 HR	0.047834	0.287946	0.012395	0.108339	0.012095	0.036762
24 HR	0.061608	0.082913	0.017727	0.032506	0.000146	0.023151
36 HR	0.065574	0.023875	0.019284	0.009376	0.000002	0.011755
48 HR	0.066716	0.006875	0.019732	0.002700	0.000000	0.005445
60 HR	0.067045	0.001980	0.019861	0.000777	0.000000	0.002402
72 HR	0.067140	0.000570	0.019899	0.000224	0.000000	0.001030
84 HR	0.067167	0.000164	0.019909	0.000064	0.000000	0.000433
96 HR	0.067175	0.000047	0.019912	0.000019	0.000000	0.000180
108 HR	0.067177	0.000014	0.019913	0.000005	0.000000	0.000074
120 HR	0.067178	0.000004	0.019913	0.000002	0.000000	0.000030
132 HR	0.067178	0.000001	0.019914	0.000000	0.000000	0.000012

SATURATED IODINE 0.067178
SATURATED XENON 0.019914

	MW/KG		1.16		
TIME	IODINE		XENON		SHUTDOWN
HOURS	A	B	C	D	TRANSIENT

0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000010	0.999856	0.000000	0.000144	0.999842
10 SEC	0.000020	0.999712	0.000001	0.000288	0.998964
30 SEC	0.000059	0.999136	0.000003	0.000863	0.996896
60 SEC	0.000118	0.998272	0.000006	0.001722	0.993802
2 MIN	0.000236	0.996548	0.000012	0.003431	0.987642
5 MIN	0.000588	0.991392	0.000032	0.008476	0.969391
10 MIN	0.001172	0.982857	0.000069	0.016619	0.939719
30 MIN	0.003456	0.949448	0.000251	0.046080	0.829840
60 MIN	0.006736	0.901452	0.000618	0.081990	0.688635
2 HR	0.012809	0.812616	0.001596	0.130371	0.474218
4 HR	0.023218	0.660345	0.004022	0.167765	0.224883
8 HR	0.038549	0.436055	0.008822	0.148511	0.050572
12 HR	0.048674	0.287946	0.012473	0.106552	0.011373
24 HR	0.062689	0.082913	0.017801	0.031893	0.000129
36 HR	0.066725	0.023875	0.019355	0.009197	0.000001
48 HR	0.067887	0.006875	0.019803	0.002648	0.000000
60 HR	0.068221	0.001980	0.019932	0.000763	0.000000
72 HR	0.068318	0.000570	0.019969	0.000220	0.000000
84 HR	0.068345	0.000164	0.019980	0.000063	0.000000
96 HR	0.068353	0.000047	0.019983	0.000018	0.000000
108 HR	0.068356	0.000014	0.019984	0.000005	0.000000
120 HR	0.068356	0.000004	0.019984	0.000002	0.000000
132 HR	0.068356	0.000001	0.019984	0.000000	0.000000

SATURATED IODINE 0.068357
SATURATED XENON 0.019984

TIME HOURS	MW/KG		1.18		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000010	0.999856	0.000001	0.000144	0.999475
10 SEC	0.000020	0.999712	0.000001	0.000288	0.998950
30 SEC	0.000060	0.999136	0.000003	0.000863	0.996854
60 SEC	0.000120	0.998272	0.000006	0.001722	0.993717
2 MIN	0.000240	0.996548	0.000013	0.003431	0.987473
5 MIN	0.000599	0.991392	0.000033	0.008474	0.968977
10 MIN	0.001192	0.982857	0.000070	0.016612	0.938916
30 MIN	0.003515	0.949448	0.000255	0.046022	0.827713
60 MIN	0.006853	0.901452	0.000627	0.081789	0.685109
2 HR	0.013030	0.812616	0.001617	0.129763	0.469375
4 HR	0.023618	0.660345	0.004067	0.166355	0.220313
8 HR	0.039214	0.436055	0.008892	0.146502	0.048538
12 HR	0.049513	0.287946	0.012550	0.104816	0.010693
24 HR	0.063770	0.082913	0.017874	0.031302	0.000114
36 HR	0.067875	0.023875	0.019425	0.009025	0.000001
48 HR	0.069057	0.006875	0.019872	0.002599	0.000000
60 HR	0.069397	0.001980	0.020001	0.000748	0.000000
72 HR	0.069495	0.000570	0.020038	0.000215	0.000000
84 HR	0.069524	0.000164	0.020048	0.000062	0.000000
96 HR	0.069532	0.000047	0.020051	0.000018	0.000000
108 HR	0.069534	0.000014	0.020052	0.000005	0.000000
120 HR	0.069535	0.000004	0.020053	0.000001	0.000000
132 HR	0.069535	0.000001	0.020053	0.000000	0.000000

SATURATED IODINE 0.069535
SATURATED XENON 0.020053

TIME HOURS	MW/KG		1.20		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.020120
5 SEC	0.000010	0.999856	0.000001	0.000144	0.999468	0.020128
10 SEC	0.000020	0.999712	0.000001	0.000288	0.998936	0.020136
30 SEC	0.000061	0.999136	0.000003	0.000863	0.996811	0.020168
60 SEC	0.000122	0.998272	0.000006	0.001722	0.993632	0.020216
2 MIN	0.000244	0.996548	0.000013	0.003430	0.987304	0.020313
5 MIN	0.000609	0.991392	0.000033	0.008472	0.968562	0.020600
10 MIN	0.001212	0.982857	0.000071	0.016605	0.938113	0.021073
30 MIN	0.003575	0.949448	0.000259	0.045965	0.825592	0.022883
60 MIN	0.006969	0.901452	0.000637	0.081589	0.681602	0.025368
2 HR	0.013251	0.812616	0.001639	0.129160	0.464581	0.029574
4 HR	0.024018	0.660345	0.004112	0.164962	0.215835	0.035408
8 HR	0.039679	0.436055	0.008962	0.144537	0.046585	0.039748
12 HR	0.050352	0.287946	0.012625	0.103129	0.010055	0.038356
24 HR	0.064851	0.082913	0.017944	0.030732	0.000101	0.024231
36 HR	0.069025	0.023875	0.019493	0.008860	0.000001	0.012318
48 HR	0.070228	0.006875	0.019939	0.002551	0.000000	0.005709
60 HR	0.070574	0.001980	0.020068	0.000735	0.000000	0.002520
72 HR	0.070673	0.000570	0.020105	0.000212	0.000000	0.001080
84 HR	0.070702	0.000164	0.020115	0.000061	0.000000	0.000455
96 HR	0.070710	0.000047	0.020118	0.000018	0.000000	0.000189
108 HR	0.070713	0.000014	0.020119	0.000005	0.000000	0.000078
120 HR	0.070713	0.000004	0.020119	0.000001	0.000000	0.000032
132 HR	0.070714	0.000001	0.020120	0.000000	0.000000	0.000013

SATURATED IODINE 0.070714
SATURATED XENON 0.020120

TIME HOURS	MW/KG		1.22		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	E		
0 SEC	0.	1.000000	0.	0.	1.000000	0.020185
5 SEC	0.000010	0.999856	0.000001	0.000144	0.999461	0.020193
10 SEC	0.000021	0.999712	0.000001	0.000288	0.998921	0.020201
30 SEC	0.000062	0.999136	0.000003	0.000863	0.996768	0.020234
60 SEC	0.000124	0.998272	0.000006	0.001722	0.993547	0.020283
2 MIN	0.000248	0.996548	0.000013	0.003430	0.987136	0.020382
5 MIN	0.000619	0.991392	0.000034	0.008470	0.968148	0.020675
10 MIN	0.001232	0.982857	0.000072	0.016598	0.937311	0.021157
30 MIN	0.003634	0.949448	0.000263	0.045907	0.823476	0.023005
60 MIN	0.007085	0.901452	0.000646	0.081390	0.678112	0.025540
2 HR	0.013471	0.812616	0.001660	0.128560	0.459836	0.029835
4 HR	0.024419	0.660345	0.004156	0.163587	0.211449	0.035798
8 HR	0.040543	0.436055	0.009029	0.142614	0.044711	0.040263
12 HR	0.051191	0.287946	0.012698	0.101488	0.009454	0.038886
24 HR	0.065931	0.082913	0.018013	0.030183	0.000089	0.024591
36 HR	0.070176	0.023875	0.019559	0.008700	0.000001	0.012505
48 HR	0.071398	0.006875	0.020004	0.002505	0.000000	0.005797
60 HR	0.071750	0.001980	0.020133	0.000721	0.000000	0.002559
72 HR	0.071851	0.000570	0.020170	0.000208	0.000000	0.001097
84 HR	0.071880	0.000164	0.020180	0.000060	0.000000	0.000462
96 HR	0.071889	0.000047	0.020183	0.000017	0.000000	0.000192
108 HR	0.071891	0.000014	0.020184	0.000005	0.000000	0.000079
120 HR	0.071892	0.000004	0.020184	0.000001	0.000000	0.000032
132 HR	0.071892	0.000001	0.020185	0.000000	0.000000	0.000013

SATURATED IODINE 0.071892
SATURATED XENON 0.020185

TIME HOURS	IODINE		MW/KG	1.24 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020248
5 SEC	0.000011	0.999856	0.000001	0.000144	0.999454	0.020256
10 SEC	0.000021	0.999712	0.000001	0.000288	0.998907	0.020265
30 SEC	0.000063	0.999136	0.000003	0.000863	0.996726	0.020298
60 SEC	0.000126	0.998272	0.000007	0.001722	0.993462	0.020349
2 MIN	0.000252	0.996548	0.000013	0.003430	0.986967	0.020449
5 MIN	0.000629	0.991392	0.000035	0.008469	0.967734	0.020748
10 MIN	0.001253	0.982857	0.000073	0.016591	0.936509	0.021240
30 MIN	0.003694	0.949448	0.000267	0.045850	0.821365	0.023124
60 MIN	0.007201	0.901452	0.000655	0.081191	0.674640	0.025711
2 HR	0.013692	0.812616	0.001682	0.127964	0.455139	0.030094
4 HR	0.024819	0.660345	0.004199	0.162228	0.207152	0.036187
8 HR	0.041208	0.436055	0.009096	0.140732	0.042912	0.040776
12 HR	0.052030	0.287946	0.012769	0.098893	0.008889	0.039415
24 HR	0.067012	0.082913	0.018080	0.029652	0.000079	0.024950
36 HR	0.071326	0.023875	0.019623	0.008546	0.000001	0.012692
48 HR	0.072568	0.006875	0.020068	0.002461	0.000000	0.005885
60 HR	0.072926	0.001980	0.020196	0.000709	0.000000	0.002598
72 HR	0.073029	0.000570	0.020233	0.000204	0.000000	0.001114
84 HR	0.073059	0.000164	0.020244	0.000059	0.000000	0.000469
96 HR	0.073067	0.000047	0.020247	0.000017	0.000000	0.000195
108 HR	0.073070	0.000014	0.020248	0.000005	0.000000	0.000080
120 HR	0.073070	0.000004	0.020248	0.000001	0.000000	0.000033
132 HR	0.073071	0.000001	0.020248	0.000000	0.000000	0.000013

SATURATED IODINE 0.073071
SATURATED XENON 0.020248

TIME HOURS	IODINE		MW/KG	1.26 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020310
5 SEC	0.000011	0.999856	0.000001	0.000144	0.999447	0.020318
10 SEC	0.000021	0.999712	0.000001	0.000288	0.998893	0.020327
30 SEC	0.000064	0.999136	0.000003	0.000863	0.996683	0.020361
60 SEC	0.000128	0.998272	0.000007	0.001722	0.993377	0.020412
2 MIN	0.000256	0.996548	0.000013	0.003429	0.986798	0.020515
5 MIN	0.000639	0.991392	0.000035	0.008467	0.967320	0.020820
10 MIN	0.001273	0.982857	0.000074	0.016584	0.935708	0.021321
30 MIN	0.003753	0.949448	0.000271	0.045792	0.819260	0.023242
60 MIN	0.007317	0.901452	0.000664	0.080993	0.671186	0.025880
2 HR	0.013913	0.812616	0.001703	0.127373	0.450491	0.030351
4 HR	0.025219	0.660345	0.004242	0.160885	0.202942	0.036575
8 HR	0.041873	0.436055	0.009161	0.138890	0.041185	0.041289
12 HR	0.052869	0.287946	0.012838	0.098341	0.008358	0.039944
24 HR	0.068093	0.082913	0.018145	0.029139	0.000070	0.025309
36 HR	0.072477	0.023875	0.019686	0.008397	0.000001	0.012879
48 HR	0.073739	0.006875	0.020130	0.002418	0.000000	0.005973
60 HR	0.074102	0.001980	0.020258	0.000696	0.000000	0.002637
72 HR	0.074207	0.000570	0.020295	0.000260	0.000000	0.001131
84 HR	0.074237	0.000164	0.020305	0.000058	0.000000	0.000476
96 HR	0.074246	0.000047	0.020308	0.000017	0.000000	0.000198
108 HR	0.074248	0.000014	0.020309	0.000005	0.000000	0.000082
120 HR	0.074249	0.000004	0.020309	0.000001	0.000000	0.000033
132 HR	0.074249	0.000001	0.020310	0.000000	0.000000	0.000014

SATURATED IODINE 0.074249
SATURATED XENON 0.020310

TIME HOURS	IODINE		MW/KG	1.28 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020370
5 SEC	0.000011	0.999856	0.000001	0.000144	0.999440	0.020378
10 SEC	0.000022	0.999712	0.000001	0.000288	0.998879	0.020387
30 SEC	0.000065	0.999136	0.000003	0.000863	0.996640	0.020422
60 SEC	0.000130	0.998272	0.000007	0.001722	0.993292	0.020474
2 MIN	0.000260	0.996548	0.000014	0.003429	0.986629	0.020579
5 MIN	0.000649	0.991392	0.000036	0.008465	0.966907	0.020890
10 MIN	0.001293	0.982857	0.000076	0.016577	0.934908	0.021401
30 MIN	0.003813	0.949448	0.000275	0.045735	0.817160	0.023358
60 MIN	0.007433	0.901452	0.000674	0.080796	0.667750	0.026047
2 HR	0.014134	0.812616	0.001724	0.126785	0.445890	0.030607
4 HR	0.025619	0.660345	0.004285	0.159559	0.198818	0.036961
8 HR	0.042537	0.436055	0.009224	0.137087	0.039528	0.041801
12 HR	0.053709	0.287946	0.012906	0.096832	0.007859	0.040472
24 HR	0.069174	0.082913	0.018208	0.028643	0.000062	0.025668
36 HR	0.073627	0.023875	0.019747	0.008254	0.000000	0.013066
48 HR	0.074909	0.006875	0.020190	0.002377	0.000000	0.006061
60 HR	0.075279	0.001980	0.020318	0.000684	0.000000	0.002676
72 HR	0.075385	0.000570	0.020355	0.000197	0.000000	0.001147
84 HR	0.075418	0.000164	0.020365	0.000057	0.000000	0.000483
96 HR	0.075424	0.000047	0.020368	0.000016	0.000000	0.000201
108 HR	0.075427	0.000014	0.020369	0.000005	0.000000	0.000083
120 HR	0.075428	0.000004	0.020370	0.000001	0.000000	0.000034
132 HR	0.075428	0.000001	0.020370	0.000000	0.000000	0.000014

SATURATED IODINE 0.075428
SATURATED XENON 0.020370

TIME HOURS	IODINE		MW/KG	1.30 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020428
5 SEC	0.000011	0.999856	0.000001	0.000144	0.999433	0.020437
10 SEC	0.000022	0.999712	0.000001	0.000288	0.998865	0.020446
30 SEC	0.000066	0.999136	0.000003	0.000863	0.996598	0.020482
60 SEC	0.000132	0.998272	0.000007	0.001722	0.993207	0.020535
2 MIN	0.000264	0.996548	0.000014	0.003429	0.986460	0.020641
5 MIN	0.000659	0.991392	0.000036	0.008463	0.966493	0.020958
10 MIN	0.001313	0.982857	0.000077	0.016570	0.934109	0.021478
30 MIN	0.003873	0.949448	0.000279	0.045678	0.815065	0.023473
60 MIN	0.007549	0.901452	0.000683	0.080599	0.664331	0.026213
2 HR	0.014355	0.812616	0.001745	0.126201	0.441336	0.030862
4 HR	0.026020	0.660345	0.004326	0.158249	0.194777	0.037347
8 HR	0.043202	0.436055	0.009287	0.135322	0.037938	0.042312
12 HR	0.054548	0.287946	0.012972	0.095363	0.007389	0.040999
24 HR	0.070255	0.082913	0.018270	0.028164	0.000055	0.026026
36 HR	0.074778	0.023875	0.019807	0.008115	0.000000	0.013253
48 HR	0.076080	0.006875	0.020249	0.002337	0.000000	0.006148
60 HR	0.076455	0.001980	0.020377	0.000673	0.000000	0.002715
72 HR	0.076563	0.000570	0.020414	0.000194	0.000000	0.001164
84 HR	0.076594	0.000164	0.020424	0.000056	0.000000	0.000490
96 HR	0.076603	0.000047	0.020427	0.000016	0.000000	0.000204
108 HR	0.076605	0.000014	0.020428	0.000005	0.000000	0.000084
120 HR	0.076606	0.000004	0.020428	0.000001	0.000000	0.000034
132 HR	0.076606	0.000001	0.020428	0.000000	0.000000	0.000014

SATURATED IODINE 0.076606
SATURATED XENON 0.020428

TIME HOURS	MW/KG		1.32		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000011	0.999856	0.000001	0.000144	0.999425
10 SEC	0.000022	0.999712	0.000001	0.000288	0.998850
30 SEC	0.000067	0.999136	0.000003	0.000863	0.996555
60 SEC	0.000134	0.998272	0.000007	0.001722	0.993122
2 MIN	0.000269	0.996548	0.000014	0.003429	0.986291
5 MIN	0.000670	0.991392	0.000037	0.008461	0.966080
10 MIN	0.001333	0.982857	0.000078	0.016563	0.933310
30 MIN	0.003932	0.949448	0.000283	0.045621	0.812978
60 MIN	0.007666	0.901452	0.000692	0.080403	0.660930
2 HR	0.014576	0.812616	0.001766	0.125620	0.436828
4 HR	0.026420	0.660345	0.004368	0.156955	0.190819
8 HR	0.043866	0.436055	0.009348	0.133595	0.036412
12 HR	0.055387	0.287946	0.013037	0.093933	0.006948
24 HR	0.071336	0.082913	0.018330	0.027700	0.000048
36 HR	0.075928	0.023875	0.019865	0.007981	0.000000
48 HR	0.077250	0.006875	0.020307	0.002298	0.000000
60 HR	0.077631	0.001980	0.020434	0.000662	0.000000
72 HR	0.077741	0.000570	0.020471	0.000191	0.000000
84 HR	0.077772	0.000164	0.020481	0.000055	0.000000
96 HR	0.077781	0.000047	0.020484	0.000016	0.000000
108 HR	0.077784	0.000014	0.020485	0.000005	0.000000
120 HR	0.077785	0.000004	0.020485	0.000001	0.000000
132 HR	0.077785	0.000001	0.020485	0.000000	0.000000

SATURATED IODINE 0.077785
SATURATED XENON 0.020486

TIME HOURS	MW/KG		1.34		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000011	0.999856	0.000001	0.000144	0.999418
10 SEC	0.000023	0.999712	0.000001	0.000288	0.998836
30 SEC	0.000068	0.999136	0.000004	0.000863	0.996513
60 SEC	0.000136	0.998272	0.000007	0.001722	0.993037
2 MIN	0.000273	0.996548	0.000014	0.003428	0.986123
5 MIN	0.000680	0.991392	0.000037	0.008460	0.965667
10 MIN	0.001354	0.982857	0.000079	0.016556	0.932512
30 MIN	0.003992	0.949448	0.000287	0.045564	0.810892
60 MIN	0.007782	0.901452	0.000701	0.080208	0.657546
2 HR	0.014797	0.812616	0.001786	0.125043	0.432367
4 HR	0.026820	0.660345	0.004408	0.155677	0.186941
8 HR	0.044531	0.436055	0.009408	0.131903	0.034947
12 HR	0.056226	0.287946	0.013100	0.092542	0.006533
24 HR	0.072416	0.082913	0.018389	0.027252	0.000043
36 HR	0.077078	0.023875	0.019921	0.007851	0.000000
48 HR	0.078421	0.006875	0.020363	0.002261	0.000000
60 HR	0.078807	0.001980	0.020490	0.000651	0.000000
72 HR	0.078919	0.000570	0.020526	0.000187	0.000000
84 HR	0.078951	0.000164	0.020537	0.000054	0.000000
96 HR	0.078960	0.000047	0.020540	0.000016	0.000000
108 HR	0.078962	0.000014	0.020541	0.000004	0.000000
120 HR	0.078963	0.000004	0.020541	0.000001	0.000000
132 HR	0.078963	0.000001	0.020541	0.000000	0.000000

SATURATED IODINE 0.078964
SATURATED XENON 0.020541

TIME HOURS	MW/KG		1.36		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000012	0.999856	0.000001	0.000144	0.999411
10 SEC	0.000023	0.999712	0.000001	0.000288	0.998822
30 SEC	0.000069	0.999136	0.000004	0.000863	0.996470
60 SEC	0.000138	0.998272	0.000007	0.001722	0.992952
2 MIN	0.000277	0.996548	0.000015	0.003428	0.985954
5 MIN	0.000690	0.991392	0.000038	0.008458	0.965254
10 MIN	0.001374	0.982857	0.000080	0.016549	0.931714
30 MIN	0.004051	0.949448	0.000291	0.045507	0.808814
60 MIN	0.007898	0.901452	0.000710	0.080013	0.654179
2 HR	0.015017	0.812616	0.001806	0.124471	0.427951
4 HR	0.027221	0.660345	0.004449	0.154414	0.183142
8 HR	0.045196	0.436055	0.009467	0.130246	0.033541
12 HR	0.057065	0.287946	0.013161	0.091186	0.006143
24 HR	0.073497	0.082913	0.018446	0.026817	0.000038
36 HR	0.078229	0.023875	0.019977	0.007725	0.000000
48 HR	0.079591	0.006875	0.020417	0.002224	0.000000
60 HR	0.079983	0.001980	0.020544	0.000641	0.000000
72 HR	0.080096	0.000570	0.020581	0.000184	0.000000
84 HR	0.080129	0.000164	0.020591	0.000053	0.000000
96 HR	0.080138	0.000047	0.020594	0.000015	0.000000
108 HR	0.080141	0.000014	0.020595	0.000004	0.000000
120 HR	0.080142	0.000004	0.020596	0.000001	0.000000
132 HR	0.080142	0.000001	0.020596	0.000000	0.000000

SATURATED IODINE 0.080142
SATURATED XENON 0.020596

TIME HOURS	MW/KG		1.38		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000012	0.999856	0.000001	0.000144	0.999404
10 SEC	0.000023	0.999712	0.000001	0.000288	0.998808
30 SEC	0.000070	0.999136	0.000004	0.000863	0.996427
60 SEC	0.000140	0.998272	0.000007	0.001722	0.992867
2 MIN	0.000281	0.996548	0.000015	0.003428	0.985785
5 MIN	0.000700	0.991392	0.000038	0.008456	0.964841
10 MIN	0.001394	0.982857	0.000081	0.016542	0.930918
30 MIN	0.004111	0.949448	0.000295	0.045450	0.806740
60 MIN	0.008014	0.901452	0.000719	0.079819	0.650830
2 HR	0.015238	0.812616	0.001827	0.123901	0.423580
4 HR	0.027621	0.660345	0.004488	0.153166	0.179420
8 HR	0.045860	0.436055	0.009524	0.128624	0.032191
12 HR	0.057905	0.287946	0.013222	0.089866	0.005776
24 HR	0.074578	0.082913	0.018502	0.026396	0.000033
36 HR	0.079379	0.023875	0.020031	0.007604	0.000000
48 HR	0.080762	0.006875	0.020471	0.002189	0.000000
60 HR	0.081160	0.001980	0.020598	0.000630	0.000000
72 HR	0.081274	0.000570	0.020634	0.000182	0.000000
84 HR	0.081307	0.000164	0.020645	0.000052	0.000000
96 HR	0.081317	0.000047	0.020648	0.000015	0.000000
108 HR	0.081320	0.000014	0.020648	0.000004	0.000000
120 HR	0.081320	0.000004	0.020649	0.000001	0.000000
132 HR	0.081321	0.000001	0.020649	0.000000	0.000000

SATURATED IODINE 0.081321
SATURATED XENON 0.020649

TIME HOURS	IODINE		MW/KG	1.40 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020701
5 SEC	0.000012	0.999856	0.000001	0.000144	0.999397	0.020710
10 SEC	0.000024	0.999712	0.000001	0.000288	0.998793	0.020720
30 SEC	0.000071	0.999136	0.000004	0.000863	0.996385	0.020759
60 SEC	0.000143	0.998272	0.000007	0.001721	0.992782	0.020817
2 MIN	0.000285	0.996548	0.000015	0.003427	0.985617	0.020933
5 MIN	0.000710	0.991392	0.000039	0.008454	0.964428	0.021279
10 MIN	0.001414	0.982857	0.000082	0.016535	0.930121	0.021848
30 MIN	0.004170	0.949448	0.000299	0.045393	0.804673	0.024028
60 MIN	0.008130	0.901452	0.000728	0.079625	0.647498	0.027025
2 HR	0.015459	0.812616	0.001847	0.123336	0.419254	0.032119
4 HR	0.028021	0.660345	0.004528	0.151933	0.175774	0.039258
8 HR	0.046525	0.436055	0.009581	0.127034	0.030896	0.044856
12 HR	0.058744	0.287946	0.013280	0.088581	0.005431	0.043626
24 HR	0.075659	0.082913	0.018556	0.025988	0.000029	0.027815
36 HR	0.080530	0.023875	0.020083	0.007486	0.000000	0.014186
48 HR	0.081932	0.006875	0.020523	0.002155	0.000000	0.006586
60 HR	0.082336	0.001980	0.020650	0.000621	0.000000	0.002910
72 HR	0.082452	0.000570	0.020686	0.000179	0.000000	0.001248
84 HR	0.082486	0.000164	0.020696	0.000051	0.000000	0.000525
96 HR	0.082495	0.000047	0.020699	0.000015	0.000000	0.000219
108 HR	0.082498	0.000014	0.020700	0.000004	0.000000	0.000090
120 HR	0.082499	0.000004	0.020701	0.000001	0.000000	0.000037
132 HR	0.082499	0.000001	0.020701	0.000000	0.000000	0.000015

SATURATED IODINE 0.082499
SATURATED XENON 0.020701

TIME HOURS	IODINE		MW/KG	1.42 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020751
5 SEC	0.000012	0.999856	0.000001	0.000144	0.999390	0.020761
10 SEC	0.000024	0.999712	0.000001	0.000288	0.998779	0.020771
30 SEC	0.000072	0.999136	0.000004	0.000863	0.996342	0.020811
60 SEC	0.000145	0.998272	0.000008	0.001721	0.992697	0.020870
2 MIN	0.000289	0.996548	0.000015	0.003427	0.985448	0.020988
5 MIN	0.000720	0.991392	0.000039	0.008452	0.964016	0.021340
10 MIN	0.001434	0.982857	0.000084	0.016528	0.929326	0.021918
30 MIN	0.004230	0.949448	0.000302	0.045337	0.802610	0.024135
60 MIN	0.008246	0.901452	0.000737	0.079433	0.644183	0.027184
2 HR	0.015680	0.812616	0.001867	0.122774	0.414972	0.032367
4 HR	0.028422	0.660345	0.004566	0.150716	0.172201	0.039638
8 HR	0.047190	0.436055	0.009636	0.125478	0.029653	0.045362
12 HR	0.059583	0.287946	0.013338	0.087328	0.005106	0.044150
24 HR	0.076740	0.082913	0.018609	0.025592	0.000026	0.028173
36 HR	0.081680	0.023875	0.020135	0.007371	0.000000	0.014373
48 HR	0.083103	0.006875	0.020574	0.002123	0.000000	0.006674
60 HR	0.083512	0.001980	0.020700	0.000611	0.000000	0.002948
72 HR	0.083630	0.000570	0.020737	0.000176	0.000000	0.001265
84 HR	0.083664	0.000164	0.020747	0.000051	0.000000	0.000533
96 HR	0.083674	0.000047	0.020750	0.000015	0.000000	0.000222
108 HR	0.083677	0.000014	0.020751	0.000004	0.000000	0.000091
120 HR	0.083677	0.000004	0.020751	0.000001	0.000000	0.000037
132 HR	0.083678	0.000001	0.020751	0.000000	0.000000	0.000015

SATURATED IODINE 0.083678
SATURATED XENON 0.020751

TIME HOURS	IODINE		MW/KG	1.44 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020801
5 SEC	0.000012	0.999856	0.000001	0.000144	0.999383	0.020811
10 SEC	0.000024	0.999712	0.000001	0.000288	0.998765	0.020821
30 SEC	0.000073	0.999136	0.000004	0.000863	0.996299	0.020861
60 SEC	0.000147	0.998272	0.000008	0.001721	0.992612	0.020921
2 MIN	0.000293	0.996548	0.000015	0.003427	0.985279	0.021041
5 MIN	0.000730	0.991392	0.000040	0.008451	0.963604	0.021399
10 MIN	0.001455	0.982857	0.000085	0.016521	0.928531	0.021987
30 MIN	0.004290	0.949448	0.000306	0.045280	0.800553	0.024241
60 MIN	0.008362	0.901452	0.000746	0.079240	0.640885	0.027341
2 HR	0.015901	0.812616	0.001886	0.122215	0.410733	0.032614
4 HR	0.028822	0.660345	0.004605	0.149512	0.148702	0.040016
8 HR	0.047854	0.436055	0.009691	0.123952	0.028460	0.045868
12 HR	0.060422	0.287946	0.013394	0.086106	0.004801	0.044674
24 HR	0.077621	0.082913	0.018661	0.025207	0.000023	0.028529
36 HR	0.082830	0.023875	0.020185	0.007260	0.000000	0.014559
48 HR	0.084273	0.006875	0.020623	0.002091	0.000000	0.006761
60 HR	0.084688	0.001980	0.020750	0.000602	0.000000	0.002987
72 HR	0.084808	0.000570	0.020786	0.000173	0.000000	0.001281
84 HR	0.084842	0.000164	0.020797	0.000050	0.000000	0.000540
96 HR	0.084852	0.000047	0.020800	0.000014	0.000000	0.000224
108 HR	0.084855	0.000014	0.020800	0.000004	0.000000	0.000093
120 HR	0.084856	0.000004	0.020801	0.000001	0.000000	0.000038
132 HR	0.084858	0.000001	0.020801	0.000000	0.000000	0.000016

SATURATED IODINE 0.084856
SATURATED XENON 0.020801

TIME HOURS	IODINE		MW/KG	1.46 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020849
5 SEC	0.000012	0.999856	0.000001	0.000144	0.999376	0.020859
10 SEC	0.000025	0.999712	0.000001	0.000288	0.998751	0.020870
30 SEC	0.000074	0.999136	0.000004	0.000863	0.996257	0.020910
60 SEC	0.000149	0.998272	0.000008	0.001721	0.992527	0.020972
2 MIN	0.000297	0.996548	0.000016	0.003426	0.985111	0.021094
5 MIN	0.000741	0.991392	0.000041	0.008449	0.963191	0.021457
10 MIN	0.001475	0.982857	0.000086	0.016514	0.927737	0.022055
30 MIN	0.004349	0.949448	0.000310	0.045224	0.798501	0.024346
60 MIN	0.008479	0.901452	0.000755	0.079049	0.637604	0.027498
2 HR	0.016122	0.812616	0.001906	0.121661	0.406538	0.032860
4 HR	0.029222	0.660345	0.004642	0.148323	0.165273	0.040394
8 HR	0.048519	0.436055	0.009744	0.122458	0.027315	0.046374
12 HR	0.061261	0.287946	0.013449	0.084916	0.004514	0.045197
24 HR	0.078902	0.082913	0.018712	0.024835	0.000020	0.028886
36 HR	0.083981	0.023875	0.020234	0.007153	0.000000	0.014745
48 HR	0.085443	0.006875	0.020672	0.002060	0.000000	0.006849
60 HR	0.085865	0.001980	0.020798	0.000593	0.000000	0.003026
72 HR	0.085986	0.000570	0.020835	0.000171	0.000000	0.001298
84 HR	0.086021	0.000164	0.020845	0.000049	0.000000	0.000547
96 HR	0.086031	0.000047	0.020848	0.000014	0.000000	0.000227
108 HR	0.086034	0.000014	0.020849	0.000004	0.000000	0.000094
120 HR	0.086035	0.000004	0.020849	0.000001	0.000000	0.000038
132 HR	0.086035	0.000001	0.020849	0.000000	0.000000	0.000016

SATURATED IODINE 0.086035
SATURATED XENON 0.020849

TIME HOURS	IODINE		MW/KG	1.48 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020896
5 SEC	0.000013	0.999856	0.000001	0.000144	0.999368	0.020907
10 SEC	0.000025	0.999712	0.000001	0.000288	0.998736	0.020917
30 SEC	0.000075	0.999136	0.000004	0.000863	0.996214	0.020959
60 SEC	0.000151	0.998272	0.000008	0.001721	0.992442	0.021021
2 MIN	0.000301	0.996548	0.000016	0.003426	0.984942	0.021145
5 MIN	0.000751	0.991392	0.000041	0.008447	0.962780	0.021514
10 MIN	0.001495	0.982857	0.000087	0.016507	0.926944	0.022121
30 MIN	0.004409	0.949448	0.000314	0.045167	0.796454	0.024450
60 MIN	0.008595	0.901452	0.000764	0.078858	0.634339	0.027654
2 HR	0.016342	0.812616	0.001926	0.121109	0.402386	0.033105
4 HR	0.029623	0.660345	0.004680	0.147148	0.161915	0.040771
8 HR	0.049184	0.436055	0.009796	0.120994	0.026216	0.046878
12 HR	0.062101	0.287946	0.013503	0.083755	0.004245	0.045720
24 HR	0.079982	0.082913	0.018762	0.024473	0.000018	0.029243
36 HR	0.085131	0.023875	0.020282	0.007048	0.000000	0.014931
48 HR	0.086614	0.006875	0.020719	0.002030	0.000000	0.006936
60 HR	0.087041	0.001980	0.020846	0.000584	0.000000	0.003065
72 HR	0.087164	0.000570	0.020882	0.000168	0.000000	0.001315
84 HR	0.087199	0.000164	0.020892	0.000048	0.000000	0.000554
96 HR	0.087209	0.000047	0.020895	0.000014	0.000000	0.000230
108 HR	0.087212	0.000014	0.020896	0.000004	0.000000	0.000095
120 HR	0.087213	0.000004	0.020896	0.000001	0.000000	0.000039
132 HR	0.087213	0.000001	0.020896	0.000000	0.000000	0.000016

SATURATED IODINE 0.087213
SATURATED XENON 0.020896

TIME HOURS	IODINE		MW/KG	1.50 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020943
5 SEC	0.000013	0.999856	0.000001	0.000144	0.999361	0.020953
10 SEC	0.000025	0.999712	0.000001	0.000288	0.998722	0.020964
30 SEC	0.000078	0.999136	0.000004	0.000863	0.996172	0.021006
60 SEC	0.000153	0.998272	0.000008	0.001721	0.992357	0.021069
2 MIN	0.000305	0.996548	0.000016	0.003426	0.984774	0.021195
5 MIN	0.000761	0.991392	0.000042	0.008445	0.962368	0.021570
10 MIN	0.001515	0.982857	0.000088	0.016500	0.926151	0.022187
30 MIN	0.004468	0.949448	0.000318	0.045111	0.794413	0.024553
60 MIN	0.008711	0.901452	0.000772	0.078668	0.631091	0.027808
2 HR	0.016563	0.812616	0.001945	0.120562	0.398276	0.033350
4 HR	0.030023	0.660345	0.004717	0.145987	0.158624	0.041148
8 HR	0.049848	0.436055	0.009848	0.119559	0.025162	0.047383
12 HR	0.062940	0.287946	0.013556	0.082623	0.003991	0.046242
24 HR	0.081063	0.082913	0.018810	0.024121	0.000016	0.029599
36 HR	0.086282	0.023875	0.020329	0.006947	0.000000	0.015117
48 HR	0.087784	0.006875	0.020766	0.002000	0.000000	0.007024
60 HR	0.088217	0.001980	0.020892	0.000576	0.000000	0.003104
72 HR	0.088342	0.000570	0.020928	0.000166	0.000000	0.001332
84 HR	0.088378	0.000164	0.020938	0.000048	0.000000	0.000561
96 HR	0.088388	0.000047	0.020941	0.000014	0.000000	0.000233
108 HR	0.088391	0.000014	0.020942	0.000004	0.000000	0.000096
120 HR	0.088392	0.000004	0.020943	0.000001	0.000000	0.000039
132 HR	0.088392	0.000001	0.020943	0.000000	0.000000	0.000016

SATURATED IODINE 0.088392
SATURATED XENON 0.020943

TIME HOURS	IODINE		MW/KG	1.52 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.020988
5 SEC	0.000013	0.999856	0.000001	0.000144	0.999354	0.020999
10 SEC	0.000026	0.999712	0.000001	0.000288	0.998708	0.021009
30 SEC	0.000077	0.999136	0.000004	0.000862	0.996129	0.021052
60 SEC	0.000155	0.998272	0.000008	0.001721	0.992273	0.021116
2 MIN	0.000309	0.996548	0.000016	0.003426	0.984605	0.021244
5 MIN	0.000771	0.991392	0.000042	0.008443	0.961956	0.021625
10 MIN	0.001535	0.982857	0.000089	0.016493	0.925359	0.022252
30 MIN	0.004528	0.949448	0.000322	0.045055	0.792376	0.024655
60 MIN	0.008627	0.901452	0.000781	0.078478	0.627860	0.027962
2 HR	0.016784	0.812616	0.001964	0.120018	0.394209	0.033593
4 HR	0.030423	0.660345	0.004753	0.144840	0.155400	0.041523
8 HR	0.050513	0.436055	0.009898	0.118153	0.024149	0.047886
12 HR	0.063779	0.287946	0.013607	0.081519	0.003753	0.046764
24 HR	0.082144	0.082913	0.018858	0.023779	0.000014	0.029956
36 HR	0.087432	0.023875	0.020374	0.006848	0.000000	0.015304
48 HR	0.088955	0.006875	0.020811	0.001972	0.000000	0.007111
60 HR	0.089393	0.001980	0.020937	0.000568	0.000000	0.003143
72 HR	0.089520	0.000570	0.020973	0.000163	0.000000	0.001348
84 HR	0.089558	0.000164	0.020984	0.000047	0.000000	0.000568
96 HR	0.089566	0.000047	0.020987	0.000014	0.000000	0.000236
108 HR	0.089589	0.000014	0.020988	0.000004	0.000000	0.000097
120 HR	0.089570	0.000004	0.020988	0.000001	0.000000	0.000040
132 HR	0.089571	0.000001	0.020988	0.000000	0.000000	0.000016

SATURATED IODINE 0.089571
SATURATED XENON 0.020988

TIME HOURS	IODINE		MW/KG	1.54 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.021032
5 SEC	0.000013	0.999856	0.000001	0.000144	0.999347	0.021043
10 SEC	0.000026	0.999712	0.000001	0.000288	0.998694	0.021054
30 SEC	0.000078	0.999136	0.000004	0.000862	0.996086	0.021097
60 SEC	0.000157	0.998272	0.000008	0.001721	0.992188	0.021162
2 MIN	0.000313	0.996548	0.000016	0.003425	0.984437	0.021292
5 MIN	0.000781	0.991392	0.000043	0.008442	0.961545	0.021679
10 MIN	0.001556	0.982857	0.000090	0.016486	0.924568	0.022316
30 MIN	0.004588	0.949448	0.000326	0.044999	0.790345	0.024756
60 MIN	0.008943	0.901452	0.000790	0.078289	0.624646	0.028115
2 HR	0.017005	0.812616	0.001983	0.119477	0.390182	0.033835
4 HR	0.030823	0.660345	0.004789	0.143707	0.152242	0.041898
8 HR	0.051178	0.436055	0.009947	0.116774	0.023178	0.048389
12 HR	0.064618	0.287946	0.013658	0.080442	0.003529	0.047285
24 HR	0.083225	0.082913	0.018904	0.023447	0.000012	0.030312
36 HR	0.088583	0.023875	0.020419	0.006752	0.000000	0.015489
48 HR	0.090125	0.006875	0.020856	0.001944	0.000000	0.007198
60 HR	0.090570	0.001980	0.020981	0.000560	0.000000	0.003182
72 HR	0.090697	0.000570	0.021017	0.000161	0.000000	0.001365
84 HR	0.090734	0.000164	0.021028	0.000046	0.000000	0.000575
96 HR	0.090745	0.000047	0.021031	0.000013	0.000000	0.000239
108 HR	0.090748	0.000014	0.021032	0.000004	0.000000	0.000099
120 HR	0.090749	0.000004	0.021032	0.000001	0.000000	0.000040
132 HR	0.090749	0.000001	0.021032	0.000000	0.000000	0.000017

SATURATED IODINE 0.090749
SATURATED XENON 0.021032

TIME HOURS	IODINE		MW/KG	1.56 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.021075
5 SEC	0.000013	0.999856	0.000001	0.000144	0.999340	0.021086
10 SEC	0.000026	0.999712	0.000001	0.000288	0.998679	0.021097
30 SEC	0.000079	0.999136	0.000004	0.000862	0.996044	0.021142
60 SEC	0.000159	0.998272	0.000008	0.001721	0.992103	0.021208
2 MIN	0.000317	0.996548	0.000017	0.003425	0.984268	0.021339
5 MIN	0.000791	0.991392	0.000043	0.008440	0.961134	0.021732
10 MIN	0.001576	0.982857	0.000092	0.016479	0.923777	0.022378
30 MIN	0.004647	0.949448	0.000330	0.044943	0.788319	0.024856
60 MIN	0.009059	0.901452	0.000798	0.078101	0.621448	0.028267
2 HR	0.017226	0.812616	0.002002	0.118940	0.386197	0.034077
4 HR	0.031224	0.660345	0.004824	0.142586	0.149148	0.042272
8 HR	0.051842	0.436055	0.009996	0.115423	0.022245	0.048892
12 HR	0.065457	0.287946	0.013707	0.079391	0.003318	0.047806
24 HR	0.084306	0.082913	0.018949	0.023124	0.000011	0.030668
36 HR	0.089733	0.023875	0.020463	0.006659	0.000000	0.015675
48 HR	0.091296	0.006875	0.020899	0.001918	0.000000	0.007286
60 HR	0.091746	0.001980	0.021025	0.000552	0.000000	0.003220
72 HR	0.091875	0.000570	0.021061	0.000159	0.000000	0.001382
84 HR	0.091913	0.000164	0.021071	0.000046	0.000000	0.000582
96 HR	0.091923	0.000047	0.021074	0.000013	0.000000	0.000242
108 HR	0.091926	0.000014	0.021075	0.000004	0.000000	0.000100
120 HR	0.091927	0.000004	0.021075	0.000001	0.000000	0.000041
132 HR	0.091928	0.000001	0.021075	0.000000	0.000000	0.000017

SATURATED IODINE 0.091928
SATURATED XENON 0.021075

TIME HOURS	IODINE		MW/KG	1.58 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.021118
5 SEC	0.000013	0.999856	0.000001	0.000144	0.999333	0.021129
10 SEC	0.000027	0.999712	0.000001	0.000288	0.998665	0.021140
30 SEC	0.000080	0.999136	0.000004	0.000862	0.996001	0.021185
60 SEC	0.000161	0.998272	0.000008	0.001721	0.992018	0.021252
2 MIN	0.000321	0.996548	0.000017	0.003425	0.984100	0.021386
5 MIN	0.000801	0.991392	0.000044	0.008438	0.960723	0.021784
10 MIN	0.001596	0.982857	0.000093	0.016472	0.922987	0.022440
30 MIN	0.004707	0.949448	0.000334	0.044887	0.786299	0.024955
60 MIN	0.009175	0.901452	0.000807	0.077913	0.618266	0.028418
2 HR	0.017447	0.812616	0.002021	0.118466	0.382253	0.034318
4 HR	0.031624	0.660345	0.004859	0.141480	0.146117	0.042645
8 HR	0.052507	0.436055	0.010044	0.114098	0.021350	0.049394
12 HR	0.066297	0.287946	0.013756	0.078364	0.003120	0.048327
24 HR	0.085387	0.082913	0.018994	0.022809	0.000010	0.031023
36 HR	0.090883	0.023875	0.020506	0.006569	0.000000	0.015861
48 HR	0.092466	0.006875	0.020942	0.001891	0.000000	0.007373
60 HR	0.092922	0.001980	0.021067	0.000545	0.000000	0.003259
72 HR	0.093053	0.000570	0.021103	0.000157	0.000000	0.001399
84 HR	0.093091	0.000164	0.021113	0.000045	0.000000	0.000589
96 HR	0.093102	0.000047	0.021116	0.000013	0.000000	0.000245
108 HR	0.093105	0.000014	0.021117	0.000004	0.000000	0.000101
120 HR	0.093106	0.000004	0.021118	0.000001	0.000000	0.000041
132 HR	0.093106	0.000001	0.021118	0.000000	0.000000	0.000017

SATURATED IODINE 0.093106
SATURATED XENON 0.021118

TIME HOURS	IODINE		MW/KG	1.60 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.021159
5 SEC	0.000014	0.999856	0.000001	0.000144	0.999326	0.021170
10 SEC	0.000027	0.999712	0.000001	0.000288	0.998651	0.021182
30 SEC	0.000081	0.999136	0.000004	0.000862	0.995959	0.021227
60 SEC	0.000163	0.998272	0.000008	0.001721	0.991933	0.021295
2 MIN	0.000325	0.996548	0.000017	0.003424	0.983932	0.021431
5 MIN	0.000812	0.991392	0.000044	0.008436	0.960312	0.021836
10 MIN	0.001616	0.982857	0.000094	0.016465	0.922198	0.022501
30 MIN	0.004766	0.949448	0.000337	0.044832	0.784283	0.025054
60 MIN	0.009292	0.901452	0.000816	0.077726	0.615100	0.028568
2 HR	0.017667	0.812616	0.002040	0.117876	0.378349	0.034558
4 HR	0.032024	0.660345	0.004894	0.140386	0.143148	0.043018
8 HR	0.053171	0.436055	0.010090	0.112799	0.049896	0.049896
12 HR	0.067136	0.287946	0.013803	0.077363	0.002933	0.048847
24 HR	0.086467	0.082913	0.019037	0.022503	0.000009	0.031379
36 HR	0.092034	0.023875	0.020548	0.006480	0.000000	0.016047
48 HR	0.093637	0.006875	0.020983	0.001866	0.000000	0.007460
60 HR	0.094098	0.001980	0.021108	0.000537	0.000000	0.003298
72 HR	0.094231	0.000570	0.021145	0.000155	0.000000	0.001415
84 HR	0.094269	0.000164	0.021155	0.000045	0.000000	0.000596
96 HR	0.094280	0.000047	0.021158	0.000013	0.000000	0.000248
108 HR	0.094284	0.000014	0.021159	0.000004	0.000000	0.000102
120 HR	0.094284	0.000004	0.021159	0.000001	0.000000	0.000042
132 HR	0.094285	0.000001	0.021159	0.000000	0.000000	0.000017

SATURATED IODINE 0.094285
SATURATED XENON 0.021159

TIME HOURS	IODINE		MW/KG	1.62 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.021200
5 SEC	0.000014	0.999856	0.000001	0.000144	0.999319	0.021211
10 SEC	0.000028	0.999712	0.000001	0.000288	0.998637	0.021223
30 SEC	0.000082	0.999136	0.000004	0.000862	0.995916	0.021269
60 SEC	0.000165	0.998272	0.000009	0.001721	0.991848	0.021338
2 MIN	0.000330	0.996548	0.000017	0.003424	0.983763	0.021476
5 MIN	0.000822	0.991392	0.000045	0.008434	0.959901	0.021886
10 MIN	0.001637	0.982857	0.000095	0.016458	0.921410	0.022561
30 MIN	0.004826	0.949448	0.000341	0.044776	0.782273	0.025151
60 MIN	0.009408	0.901452	0.000824	0.077539	0.611951	0.028718
2 HR	0.017888	0.812616	0.002058	0.117349	0.374484	0.034797
4 HR	0.032425	0.660345	0.004928	0.139304	0.140239	0.043390
8 HR	0.053836	0.436055	0.010136	0.111525	0.019667	0.050397
12 HR	0.067975	0.287946	0.013849	0.076384	0.002758	0.049367
24 HR	0.087548	0.082913	0.019080	0.022205	0.000008	0.031735
36 HR	0.093184	0.023875	0.020589	0.006395	0.000000	0.016233
48 HR	0.094807	0.006875	0.021024	0.001841	0.000000	0.007547
60 HR	0.095274	0.001980	0.021149	0.000530	0.000000	0.003337
72 HR	0.095409	0.000570	0.021185	0.000153	0.000000	0.001432
84 HR	0.095448	0.000164	0.021195	0.000044	0.000000	0.000603
96 HR	0.095459	0.000047	0.021198	0.000013	0.000000	0.000251
108 HR	0.095462	0.000014	0.021199	0.000004	0.000000	0.000104
120 HR	0.095463	0.000004	0.021200	0.000001	0.000000	0.000042
132 HR	0.095463	0.000001	0.021200	0.000000	0.000000	0.000017

SATURATED IODINE 0.095463
SATURATED XENON 0.021200

TIME HOURS	MW/KG		1.64		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	0.021239
5 SEC	0.000014	0.999856	0.000001	0.000144	0.021251
10 SEC	0.000028	0.999712	0.000001	0.000288	0.021263
30 SEC	0.000084	0.999136	0.000004	0.000862	0.021310
60 SEC	0.000167	0.998272	0.000009	0.001721	0.021380
2 MIN	0.000334	0.996548	0.000018	0.003424	0.021519
5 MIN	0.000832	0.991392	0.000045	0.008433	0.021936
10 MIN	0.001657	0.982857	0.000096	0.016451	0.022621
30 MIN	0.004885	0.949448	0.000345	0.044720	0.025248
60 MIN	0.009524	0.901452	0.000833	0.077354	0.028866
2 HR	0.018109	0.812616	0.002077	0.116825	0.035036
4 HR	0.032825	0.660345	0.004962	0.138236	0.043761
8 HR	0.054501	0.436055	0.010181	0.110275	0.050898
12 HR	0.068814	0.287946	0.013895	0.075429	0.049886
24 HR	0.086629	0.082913	0.019121	0.021915	0.032090
36 HR	0.094335	0.023875	0.020630	0.006311	0.016418
48 HR	0.095978	0.006875	0.021064	0.001817	0.007634
60 HR	0.096451	0.001980	0.021189	0.000523	0.003376
72 HR	0.096587	0.000570	0.021225	0.000151	0.001449
84 HR	0.096626	0.000164	0.021235	0.000043	0.000610
96 HR	0.096637	0.000047	0.021238	0.000012	0.000254
108 HR	0.096642	0.000014	0.021239	0.000004	0.000105
120 HR	0.096642	0.000004	0.021239	0.000001	0.000043
132 HR	0.096642	0.000001	0.021239	0.000000	0.000018

SATURATED IODINE 0.096642
SATURATED XENON 0.021239

TIME HOURS	MW/KG		1.66		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	0.021278
5 SEC	0.000014	0.999856	0.000001	0.000144	0.021290
10 SEC	0.000028	0.999712	0.000001	0.000288	0.021302
30 SEC	0.000084	0.999136	0.000004	0.000862	0.021349
60 SEC	0.000169	0.998272	0.000009	0.001720	0.021421
2 MIN	0.000338	0.996548	0.000018	0.003424	0.021562
5 MIN	0.000842	0.991392	0.000046	0.008431	0.021985
10 MIN	0.001677	0.982857	0.000097	0.016444	0.022679
30 MIN	0.004945	0.949448	0.000349	0.044665	0.025344
60 MIN	0.009640	0.901452	0.000841	0.077168	0.029014
2 HR	0.018330	0.812616	0.002095	0.116304	0.035274
4 HR	0.033225	0.660345	0.004995	0.137180	0.044132
8 HR	0.055165	0.436055	0.010226	0.109050	0.051398
12 HR	0.069653	0.287946	0.013939	0.074496	0.050406
24 HR	0.089710	0.082913	0.019162	0.021632	0.032445
36 HR	0.095485	0.023875	0.020669	0.006229	0.016604
48 HR	0.097148	0.006875	0.021103	0.001794	0.007722
60 HR	0.097627	0.001980	0.021228	0.000516	0.003414
72 HR	0.097765	0.000570	0.021264	0.000149	0.001465
84 HR	0.097804	0.000164	0.021274	0.000043	0.000617
96 HR	0.097816	0.000047	0.021277	0.000012	0.000257
108 HR	0.097819	0.000014	0.021278	0.000004	0.000106
120 HR	0.097820	0.000004	0.021278	0.000001	0.000043
132 HR	0.097820	0.000001	0.021278	0.000000	0.000018

SATURATED IODINE 0.097821
SATURATED XENON 0.021278

TIME HOURS	MW/KG		1.68		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	0.021316
5 SEC	0.000014	0.999856	0.000001	0.000144	0.021328
10 SEC	0.000029	0.999712	0.000001	0.000288	0.021341
30 SEC	0.000086	0.999136	0.000004	0.000862	0.021389
60 SEC	0.000171	0.998272	0.000009	0.001720	0.021461
2 MIN	0.000342	0.996548	0.000018	0.003423	0.021604
5 MIN	0.000852	0.991392	0.000047	0.008429	0.022033
10 MIN	0.001697	0.982857	0.000098	0.016437	0.022737
30 MIN	0.005005	0.949448	0.000353	0.044610	0.025439
60 MIN	0.009756	0.901452	0.000850	0.076984	0.029161
2 HR	0.018551	0.812616	0.002113	0.115787	0.035511
4 HR	0.033626	0.660345	0.005028	0.136136	0.044502
8 HR	0.055830	0.436055	0.010269	0.107848	0.051898
12 HR	0.070493	0.287946	0.013983	0.073584	0.050925
24 HR	0.090791	0.082913	0.019202	0.021357	0.032800
36 HR	0.096636	0.023875	0.020708	0.006150	0.016790
48 HR	0.098319	0.006875	0.021141	0.001771	0.007809
60 HR	0.098803	0.001980	0.021266	0.000510	0.003453
72 HR	0.098943	0.000570	0.021302	0.000147	0.001482
84 HR	0.098983	0.000164	0.021312	0.000042	0.000624
96 HR	0.098994	0.000047	0.021315	0.000012	0.000260
108 HR	0.098998	0.000014	0.021316	0.000004	0.000107
120 HR	0.098999	0.000004	0.021316	0.000001	0.000044
132 HR	0.098999	0.000001	0.021316	0.000000	0.000018

SATURATED IODINE 0.098999
SATURATED XENON 0.021316

TIME HOURS	MW/KG		1.70		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	0.021354
5 SEC	0.000014	0.999856	0.000001	0.000144	0.021366
10 SEC	0.000029	0.999712	0.000001	0.000288	0.021378
30 SEC	0.000087	0.999136	0.000004	0.000862	0.021427
60 SEC	0.000173	0.998272	0.000009	0.001720	0.021500
2 MIN	0.000346	0.996548	0.000018	0.003423	0.021646
5 MIN	0.000862	0.991392	0.000047	0.008427	0.022080
10 MIN	0.001717	0.982857	0.000099	0.016430	0.022794
30 MIN	0.005064	0.949448	0.000357	0.044554	0.025534
60 MIN	0.009872	0.901452	0.000858	0.076800	0.029308
2 HR	0.018772	0.812616	0.002131	0.115274	0.035748
4 HR	0.034026	0.660345	0.005061	0.135105	0.044872
8 HR	0.056495	0.436055	0.010312	0.106669	0.052397
12 HR	0.071332	0.287946	0.014026	0.072693	0.051443
24 HR	0.091872	0.082913	0.019241	0.021088	0.033155
36 HR	0.097786	0.023875	0.020745	0.006073	0.016975
48 HR	0.099489	0.006875	0.021179	0.001749	0.007896
60 HR	0.099979	0.001980	0.021303	0.000503	0.003492
72 HR	0.100121	0.000570	0.021339	0.000145	0.001499
84 HR	0.100161	0.000164	0.021350	0.000042	0.000631
96 HR	0.100173	0.000047	0.021353	0.000012	0.000263
108 HR	0.100176	0.000014	0.021353	0.000004	0.000108
120 HR	0.100177	0.000004	0.021354	0.000001	0.000044
132 HR	0.100178	0.000001	0.021354	0.000000	0.000018

SATURATED IODINE 0.100178
SATURATED XENON 0.021354

TIME HOURS	MW/KG		1.72		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000015	0.999856	0.000001	0.000144	0.999283
10 SEC	0.000029	0.999712	0.000001	0.000288	0.998565
30 SEC	0.000088	0.999136	0.000005	0.000862	0.995703
60 SEC	0.000175	0.998272	0.000009	0.001720	0.991424
2 MIN	0.000350	0.996548	0.000018	0.003423	0.982922
5 MIN	0.000873	0.991392	0.000048	0.008425	0.957850
10 MIN	0.001738	0.982857	0.000101	0.016423	0.917477
30 MIN	0.005124	0.949448	0.000360	0.044499	0.772299
60 MIN	0.009988	0.901452	0.000867	0.076616	0.596445
2 HR	0.018993	0.812616	0.002149	0.114763	0.355747
4 HR	0.034426	0.660345	0.005093	0.134085	0.126556
8 HR	0.057159	0.436055	0.010354	0.105512	0.016016
12 HR	0.072171	0.287946	0.014068	0.071822	0.002027
24 HR	0.092952	0.082913	0.019279	0.020826	0.000004
36 HR	0.098936	0.023875	0.020783	0.005997	0.000000
48 HR	0.100659	0.006875	0.021215	0.001727	0.000000
60 HR	0.101156	0.001980	0.021340	0.000497	0.000000
72 HR	0.101298	0.000570	0.021376	0.000143	0.000000
84 HR	0.101340	0.000164	0.021386	0.000041	0.000000
96 HR	0.101351	0.000047	0.021389	0.000012	0.000000
108 HR	0.101355	0.000014	0.021390	0.000003	0.000000
120 HR	0.101356	0.000004	0.021390	0.000001	0.000000
132 HR	0.101356	0.000001	0.021390	0.000000	0.000000

SATURATED IODINE 0.101356
SATURATED XENON 0.021390

TIME HOURS	MW/KG		1.74		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000015	0.999856	0.000001	0.000144	0.999276
10 SEC	0.000030	0.999712	0.000002	0.000288	0.998551
30 SEC	0.000089	0.999136	0.000005	0.000862	0.995660
60 SEC	0.000177	0.998272	0.000009	0.001720	0.991339
2 MIN	0.000354	0.996548	0.000019	0.003422	0.982754
5 MIN	0.000883	0.991392	0.000048	0.008424	0.957441
10 MIN	0.001758	0.982857	0.000102	0.016416	0.916632
30 MIN	0.005183	0.949448	0.000364	0.044444	0.770319
60 MIN	0.010105	0.901452	0.000875	0.076433	0.593392
2 HR	0.019213	0.812616	0.002167	0.114256	0.352114
4 HR	0.034826	0.660345	0.005125	0.133077	0.123984
8 HR	0.057824	0.436055	0.010395	0.104376	0.015372
12 HR	0.073010	0.287946	0.014109	0.070970	0.001906
24 HR	0.094033	0.082913	0.019317	0.020571	0.000004
36 HR	0.100087	0.023875	0.020819	0.005924	0.000000
48 HR	0.101830	0.006875	0.021251	0.001706	0.000000
60 HR	0.102332	0.001980	0.021376	0.000491	0.000000
72 HR	0.102476	0.000570	0.021412	0.000141	0.000000
84 HR	0.102518	0.000164	0.021422	0.000041	0.000000
96 HR	0.102530	0.000047	0.021425	0.000012	0.000000
108 HR	0.102533	0.000014	0.021426	0.000003	0.000000
120 HR	0.102534	0.000004	0.021426	0.000001	0.000000
132 HR	0.102535	0.000001	0.021426	0.000000	0.000000

SATURATED IODINE 0.102535
SATURATED XENON 0.021426

TIME HOURS	MW/KG		1.76		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000015	0.999856	0.000001	0.000144	0.999269
10 SEC	0.000030	0.999712	0.000002	0.000288	0.998537
30 SEC	0.000090	0.999136	0.000005	0.000862	0.995618
60 SEC	0.000179	0.998272	0.000009	0.001720	0.991254
2 MIN	0.000358	0.996548	0.000019	0.003422	0.982586
5 MIN	0.000893	0.991392	0.000049	0.008422	0.957031
10 MIN	0.001778	0.982857	0.000103	0.016409	0.915908
30 MIN	0.005243	0.949448	0.000368	0.044389	0.768345
60 MIN	0.010221	0.901452	0.000883	0.076251	0.590354
2 HR	0.019434	0.812616	0.002184	0.113752	0.348517
4 HR	0.035227	0.660345	0.005156	0.132081	0.121464
8 HR	0.058489	0.436055	0.010435	0.103262	0.014754
12 HR	0.073849	0.287946	0.014149	0.070137	0.001792
24 HR	0.095114	0.082913	0.019354	0.020321	0.000003
36 HR	0.101237	0.023875	0.020855	0.005852	0.000000
48 HR	0.103000	0.006875	0.021287	0.001685	0.000000
60 HR	0.103508	0.001980	0.021411	0.000485	0.000000
72 HR	0.103654	0.000570	0.021447	0.000140	0.000000
84 HR	0.103696	0.000164	0.021457	0.000040	0.000000
96 HR	0.103708	0.000047	0.021460	0.000012	0.000000
108 HR	0.103712	0.000014	0.021461	0.000003	0.000000
120 HR	0.103713	0.000004	0.021461	0.000001	0.000000
132 HR	0.103713	0.000001	0.021462	0.000000	0.000000

SATURATED IODINE 0.103713
SATURATED XENON 0.021462

TIME HOURS	MW/KG		1.78		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000015	0.999856	0.000001	0.000144	0.999262
10 SEC	0.000030	0.999712	0.000002	0.000288	0.998523
30 SEC	0.000091	0.999136	0.000005	0.000862	0.995575
60 SEC	0.000181	0.998272	0.000009	0.001720	0.991170
2 MIN	0.000362	0.996548	0.000019	0.003422	0.982418
5 MIN	0.000903	0.991392	0.000049	0.008420	0.956622
10 MIN	0.001798	0.982857	0.000104	0.016402	0.915125
30 MIN	0.005302	0.949448	0.000372	0.044334	0.766375
60 MIN	0.010337	0.901452	0.000892	0.076069	0.587331
2 HR	0.019655	0.812616	0.002202	0.113251	0.344958
4 HR	0.035627	0.660345	0.005187	0.131096	0.118996
8 HR	0.059153	0.436055	0.010475	0.102169	0.014160
12 HR	0.074689	0.287946	0.014188	0.069323	0.001685
24 HR	0.096195	0.082913	0.019390	0.020078	0.000003
36 HR	0.102388	0.023875	0.020890	0.005782	0.000000
48 HR	0.104171	0.006875	0.021321	0.001665	0.000000
60 HR	0.104684	0.001980	0.021446	0.000479	0.000000
72 HR	0.104832	0.000570	0.021482	0.000138	0.000000
84 HR	0.104875	0.000164	0.021492	0.000040	0.000000
96 HR	0.104887	0.000047	0.021495	0.000011	0.000000
108 HR	0.104890	0.000014	0.021496	0.000003	0.000000
120 HR	0.104891	0.000004	0.021496	0.000001	0.000000
132 HR	0.104892	0.000001	0.021496	0.000000	0.000000

SATURATED IODINE 0.104892
SATURATED XENON 0.021496

TIME HOURS	A	IODINE	B	MM/KG	C	1.80 XENON	D	E	SHUTDOWN TRANSIENT
0 SEC	0.	1.000000	0.	0.	0.	0.000000	0.021530	0.000000	0.000000
5 SEC	0.000015	0.999856	0.000001	0.999255	0.021543	0.999255	0.021543	0.000000	0.000000
10 SEC	0.000031	0.999712	0.000002	0.998508	0.021556	0.998508	0.021556	0.000000	0.000000
30 SEC	0.000094	0.999136	0.000005	0.995533	0.021608	0.995533	0.021608	0.000000	0.000000
60 SEC	0.000187	0.998272	0.000010	0.991085	0.021666	0.991085	0.021666	0.000000	0.000000
2 MIN	0.000366	0.996548	0.000019	0.982250	0.021805	0.982250	0.021805	0.000000	0.000000
5 MIN	0.000913	0.991392	0.000050	0.965213	0.022305	0.965213	0.022305	0.000000	0.000000
10 MIN	0.001818	0.982857	0.000105	0.914342	0.023068	0.914342	0.023068	0.000000	0.000000
30 MIN	0.005453	0.949448	0.000370	0.044279	0.023996	0.044279	0.023996	0.000000	0.000000
60 MIN	0.010453	0.901452	0.000900	0.078888	0.030030	0.078888	0.030030	0.000000	0.000000
2 HR	0.019876	0.812616	0.002219	0.112753	0.036922	0.112753	0.036922	0.000000	0.000000
4 HR	0.036027	0.660345	0.005218	0.341435	0.046713	0.341435	0.046713	0.000000	0.000000
8 HR	0.059818	0.436055	0.010514	0.101095	0.054888	0.101095	0.054888	0.000000	0.000000
12 HR	0.075528	0.287946	0.014227	0.065526	0.058937	0.065526	0.058937	0.000000	0.000000
24 HR	0.082913	0.082913	0.019425	0.018940	0.034992	0.018940	0.034992	0.000000	0.000000
36 HR	0.103538	0.023875	0.020924	0.005713	0.017902	0.005713	0.017902	0.000000	0.000000
48 HR	0.105341	0.006875	0.021355	0.001645	0.008331	0.001645	0.008331	0.000000	0.000000
60 HR	0.105960	0.001980	0.021480	0.000436	0.003685	0.000436	0.003685	0.000000	0.000000
72 HR	0.106010	0.000570	0.021515	0.000136	0.001582	0.000136	0.001582	0.000000	0.000000
84 HR	0.106053	0.000164	0.021526	0.000039	0.000667	0.000039	0.000667	0.000000	0.000000
96 HR	0.106065	0.000047	0.021529	0.000011	0.000277	0.000011	0.000277	0.000000	0.000000
108 HR	0.106069	0.000014	0.021530	0.000003	0.000114	0.000003	0.000114	0.000000	0.000000
120 HR	0.106070	0.000004	0.021530	0.000001	0.000047	0.000001	0.000047	0.000000	0.000000
132 HR	0.106070	0.000001	0.021530	0.000000	0.000019	0.000000	0.000019	0.000000	0.000000
TIME HOURS	A	IODINE	B	MM/KG	C	1.86 XENON	D	E	SHUTDOWN TRANSIENT
0 SEC	0.	1.000000	0.	0.	0.	0.000000	0.021596	0.000000	0.000000
5 SEC	0.000016	0.999856	0.000001	0.999240	0.021609	0.999240	0.021609	0.000000	0.000000
10 SEC	0.000031	0.999712	0.000002	0.998480	0.021622	0.998480	0.021622	0.000000	0.000000
30 SEC	0.000094	0.999136	0.000005	0.995448	0.021676	0.995448	0.021676	0.000000	0.000000
60 SEC	0.000187	0.998272	0.000010	0.990915	0.021756	0.990915	0.021756	0.000000	0.000000
2 MIN	0.000374	0.996548	0.000020	0.981914	0.021915	0.981914	0.021915	0.000000	0.000000
5 MIN	0.000933	0.991392	0.000051	0.955395	0.022391	0.955395	0.022391	0.000000	0.000000
10 MIN	0.001859	0.982857	0.000107	0.912779	0.023173	0.912779	0.023173	0.000000	0.000000
30 MIN	0.005481	0.949448	0.000383	0.046170	0.026176	0.046170	0.026176	0.000000	0.000000
60 MIN	0.010685	0.901452	0.000916	0.075528	0.030315	0.075528	0.030315	0.000000	0.000000
2 HR	0.020318	0.812616	0.002253	0.111767	0.033877	0.111767	0.033877	0.000000	0.000000
4 HR	0.036027	0.660345	0.005278	0.334496	0.047445	0.334496	0.047445	0.000000	0.000000
8 HR	0.059818	0.436055	0.010590	0.111887	0.055882	0.111887	0.055882	0.000000	0.000000
12 HR	0.075528	0.287946	0.014303	0.066984	0.058065	0.066984	0.058065	0.000000	0.000000
24 HR	0.082913	0.082913	0.019494	0.019382	0.035637	0.019382	0.035637	0.000000	0.000000
36 HR	0.103539	0.023875	0.020991	0.005581	0.018272	0.005581	0.018272	0.000000	0.000000
48 HR	0.107682	0.006875	0.021421	0.001607	0.008505	0.001607	0.008505	0.000000	0.000000
60 HR	0.108213	0.001980	0.021546	0.000463	0.003763	0.000463	0.003763	0.000000	0.000000
72 HR	0.108266	0.000570	0.021581	0.000133	0.001615	0.000133	0.001615	0.000000	0.000000
84 HR	0.108310	0.000164	0.021592	0.000038	0.000681	0.000038	0.000681	0.000000	0.000000
96 HR	0.108422	0.000047	0.021595	0.000011	0.000283	0.000011	0.000283	0.000000	0.000000
108 HR	0.108426	0.000014	0.021595	0.000003	0.000117	0.000003	0.000117	0.000000	0.000000
120 HR	0.108427	0.000004	0.021596	0.000001	0.000048	0.000001	0.000048	0.000000	0.000000
132 HR	0.108427	0.000001	0.021596	0.000000	0.000020	0.000000	0.000020	0.000000	0.000000
TIME HOURS	A	IODINE	B	MM/KG	C	1.86 XENON	D	E	SHUTDOWN TRANSIENT
0 SEC	0.	1.000000	0.	0.	0.	0.000000	0.021628	0.000000	0.000000
5 SEC	0.000016	0.999856	0.000001	0.999233	0.021641	0.999233	0.021641	0.000000	0.000000
10 SEC	0.000031	0.999712	0.000002	0.998465	0.021654	0.998465	0.021654	0.000000	0.000000
30 SEC	0.000094	0.999136	0.000005	0.995405	0.021709	0.995405	0.021709	0.000000	0.000000
60 SEC	0.000187	0.998272	0.000010	0.990830	0.021790	0.990830	0.021790	0.000000	0.000000
2 MIN	0.000374	0.996548	0.000020	0.981746	0.021951	0.981746	0.021951	0.000000	0.000000
5 MIN	0.000933	0.991392	0.000051	0.954987	0.022433	0.954987	0.022433	0.000000	0.000000
10 MIN	0.001879	0.982857	0.000108	0.911999	0.023225	0.911999	0.023225	0.000000	0.000000
30 MIN	0.005541	0.949448	0.000387	0.046115	0.026265	0.046115	0.026265	0.000000	0.000000
60 MIN	0.010801	0.901452	0.000925	0.075349	0.030619	0.075349	0.030619	0.000000	0.000000
2 HR	0.020538	0.812616	0.002270	0.112769	0.0331079	0.112769	0.0331079	0.000000	0.000000
4 HR	0.037228	0.660345	0.005308	0.127262	0.036119	0.127262	0.036119	0.000000	0.000000
8 HR	0.061812	0.436055	0.010627	0.079792	0.035378	0.079792	0.035378	0.000000	0.000000
12 HR	0.087805	0.287946	0.014339	0.066238	0.031317	0.066238	0.031317	0.000000	0.000000
24 HR	0.106518	0.082913	0.019528	0.019160	0.000002	0.019160	0.000002	0.000000	0.000000
36 HR	0.106989	0.023875	0.020895	0.005117	0.003991	0.005117	0.003991	0.000000	0.000000
48 HR	0.108853	0.006875	0.021023	0.001589	0.008457	0.001589	0.008457	0.000000	0.000000
60 HR	0.109392	0.001980	0.021454	0.000457	0.003802	0.000457	0.003802	0.000000	0.000000
72 HR	0.109349	0.000570	0.021578	0.000132	0.001633	0.000132	0.001633	0.000000	0.000000
84 HR	0.109388	0.000164	0.021624	0.000011	0.000686	0.000011	0.000686	0.000000	0.000000
96 HR	0.109601	0.000047	0.021627	0.000003	0.000286	0.000003	0.000286	0.000000	0.000000
108 HR	0.109605	0.000014	0.021628	0.000001	0.000118	0.000001	0.000118	0.000000	0.000000
120 HR	0.109606	0.000001	0.021628	0.000000	0.000048	0.000000	0.000048	0.000000	0.000000
132 HR	0.109606	0.000001	0.021628	0.000000	0.000020	0.000000	0.000020	0.000000	0.000000

SATURATED IODINE
SATURATED XENONSATURATED IODINE
SATURATED XENONSATURATED IODINE
SATURATED XENONSATURATED IODINE
SATURATED XENON

TIME HOURS	MW/KG		1.88		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000 0.021659
5 SEC	0.000016	0.999856	0.000001	0.000144	0.999226 0.021673
10 SEC	0.000032	0.999712	0.000002	0.000288	0.998452 0.021687
30 SEC	0.000096	0.999136	0.000005	0.000862	0.995362 0.021741
60 SEC	0.000191	0.998272	0.000010	0.001720	0.990746 0.021823
2 MIN	0.000382	0.996548	0.000020	0.003420	0.981578 0.021987
5 MIN	0.000954	0.991392	0.000052	0.008411	0.954578 0.022474
10 MIN	0.001899	0.982857	0.000110	0.016368	0.911219 0.023276
30 MIN	0.005600	0.949448	0.000390	0.044061	0.756604 0.026354
60 MIN	0.010918	0.901452	0.000933	0.075170	0.572449 0.030597
2 HR	0.020759	0.812616	0.002287	0.110793	0.327698 0.037851
4 HR	0.037629	0.660345	0.005337	0.126339	0.107386 0.048176
8 HR	0.062476	0.436055	0.010664	0.096995	0.011532 0.056874
12 HR	0.078885	0.287946	0.014375	0.065507	0.001238 0.056098
24 HR	0.101599	0.082913	0.019560	0.018944	0.000002 0.036345
36 HR	0.108140	0.023875	0.021055	0.005455	0.000000 0.018643
48 HR	0.110023	0.006875	0.021485	0.001571	0.000000 0.008679
60 HR	0.110565	0.001980	0.021609	0.000452	0.000000 0.003840
72 HR	0.110722	0.000570	0.021645	0.000130	0.000000 0.001649
84 HR	0.110767	0.000164	0.021655	0.000037	0.000000 0.000695
96 HR	0.110779	0.000047	0.021658	0.000011	0.000000 0.000289
108 HR	0.110783	0.000014	0.021659	0.000003	0.000000 0.000119
120 HR	0.110784	0.000004	0.021659	0.000001	0.000000 0.000049
132 HR	0.110785	0.000001	0.021659	0.000000	0.000000 0.000020

SATURATED IODINE 0.110785
SATURATED XENON 0.021659

TIME HOURS	MW/KG		1.90		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000 0.021690
5 SEC	0.000016	0.999856	0.000001	0.000144	0.999219 0.021704
10 SEC	0.000032	0.999712	0.000002	0.000288	0.998437 0.021718
30 SEC	0.000096	0.999136	0.000005	0.000862	0.995320 0.021773
60 SEC	0.000191	0.998272	0.000010	0.001720	0.990661 0.021856
2 MIN	0.000387	0.996548	0.000020	0.003420	0.981410 0.022022
5 MIN	0.000964	0.991392	0.000053	0.008409	0.954170 0.022515
10 MIN	0.001919	0.982857	0.000111	0.016361	0.910440 0.023327
30 MIN	0.005660	0.949448	0.000394	0.044007	0.754664 0.026442
60 MIN	0.011034	0.901452	0.000941	0.074992	0.569518 0.030738
2 HR	0.020980	0.812616	0.002304	0.110311	0.324351 0.038082
4 HR	0.038029	0.660345	0.005366	0.125420	0.105204 0.048541
8 HR	0.063141	0.436055	0.010700	0.096015	0.011068 0.057370
12 HR	0.079724	0.287946	0.014410	0.064791	0.001164 0.056614
24 HR	0.102680	0.082913	0.019593	0.018732	0.000001 0.036699
36 HR	0.109290	0.023875	0.021086	0.005394	0.000000 0.018828
48 HR	0.111194	0.006875	0.021516	0.001553	0.000000 0.008766
60 HR	0.111742	0.001980	0.021640	0.000447	0.000000 0.003879
72 HR	0.111899	0.000570	0.021676	0.000129	0.000000 0.001665
84 HR	0.111945	0.000164	0.021686	0.000037	0.000000 0.000702
96 HR	0.111958	0.000047	0.021689	0.000011	0.000000 0.000292
108 HR	0.111962	0.000014	0.021690	0.000003	0.000000 0.000121
120 HR	0.111963	0.000004	0.021690	0.000001	0.000000 0.000049
132 HR	0.111963	0.000001	0.021690	0.000000	0.000000 0.000020

SATURATED IODINE 0.111963
SATURATED XENON 0.021690

TIME HOURS	MW/KG		1.92		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000 0.021720
5 SEC	0.000016	0.999856	0.000001	0.000144	0.999212 0.021734
10 SEC	0.000032	0.999712	0.000002	0.000288	0.998423 0.021748
30 SEC	0.000098	0.999136	0.000005	0.000862	0.995277 0.021804
60 SEC	0.000195	0.998272	0.000010	0.001720	0.990576 0.021888
2 MIN	0.000391	0.996548	0.000021	0.003420	0.981242 0.022056
5 MIN	0.000974	0.991392	0.000053	0.008408	0.953762 0.022555
10 MIN	0.001940	0.982857	0.000112	0.016354	0.909661 0.023377
30 MIN	0.005720	0.949448	0.000398	0.043952	0.752730 0.026530
60 MIN	0.011150	0.901452	0.000949	0.074815	0.566602 0.030877
2 HR	0.021201	0.812616	0.002321	0.109832	0.321038 0.038312
4 HR	0.038429	0.660345	0.005394	0.124511	0.103066 0.048906
8 HR	0.063806	0.436055	0.010735	0.095053	0.010623 0.057866
12 HR	0.080563	0.287946	0.014445	0.064091	0.001095 0.057130
24 HR	0.103761	0.082913	0.019624	0.018525	0.000001 0.037053
36 HR	0.110441	0.023875	0.021117	0.005334	0.000000 0.019013
48 HR	0.112364	0.006875	0.021546	0.001536	0.000000 0.008853
60 HR	0.112918	0.001980	0.021670	0.000442	0.000000 0.003918
72 HR	0.113077	0.000570	0.021706	0.000127	0.000000 0.001682
84 HR	0.113123	0.000164	0.021716	0.000037	0.000000 0.000709
96 HR	0.113136	0.000047	0.021719	0.000011	0.000000 0.000295
108 HR	0.113140	0.000014	0.021720	0.000003	0.000000 0.000122
120 HR	0.113141	0.000004	0.021720	0.000001	0.000000 0.000050
132 HR	0.113142	0.000001	0.021720	0.000000	0.000000 0.000020

SATURATED IODINE 0.113142
SATURATED XENON 0.021720

TIME HOURS	MW/KG		1.94		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000 0.021750
5 SEC	0.000016	0.999856	0.000001	0.000144	0.999205 0.021764
10 SEC	0.000033	0.999712	0.000002	0.000288	0.998409 0.021778
30 SEC	0.000099	0.999136	0.000005	0.000862	0.995235 0.021835
60 SEC	0.000198	0.998272	0.000010	0.001719	0.990491 0.021920
2 MIN	0.000395	0.996548	0.000021	0.003419	0.981074 0.022090
5 MIN	0.000984	0.991392	0.000054	0.008406	0.953354 0.022595
10 MIN	0.001960	0.982857	0.000113	0.016347	0.908883 0.023426
30 MIN	0.005779	0.949448	0.000402	0.043898	0.750801 0.026617
60 MIN	0.011266	0.901452	0.000957	0.074638	0.563701 0.031017
2 HR	0.021422	0.812616	0.002337	0.109356	0.317759 0.038543
4 HR	0.038830	0.660345	0.005422	0.123613	0.100971 0.049270
8 HR	0.064470	0.436055	0.010770	0.094109	0.010195 0.058361
12 HR	0.081402	0.287946	0.014479	0.063404	0.001029 0.057645
24 HR	0.104842	0.082913	0.019655	0.018322	0.000001 0.037407
36 HR	0.111591	0.023875	0.021147	0.005276	0.000000 0.019198
48 HR	0.113534	0.006875	0.021576	0.001519	0.000000 0.008940
60 HR	0.114094	0.001980	0.021700	0.000437	0.000000 0.003956
72 HR	0.114255	0.000570	0.021736	0.000126	0.000000 0.001699
84 HR	0.114302	0.000164	0.021746	0.000036	0.000000 0.000716
96 HR	0.114315	0.000047	0.021749	0.000010	0.000000 0.000298
108 HR	0.114319	0.000014	0.021750	0.000003	0.000000 0.000123
120 HR	0.114320	0.000004	0.021750	0.000001	0.000000 0.000050
132 HR	0.114320	0.000001	0.021750	0.000000	0.000000 0.000021

SATURATED IODINE 0.114320
SATURATED XENON 0.021750

TIME HOURS	MW/KG		1.96		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.021779
5 SEC	0.000017	0.999856	0.000001	0.000144	0.999198	0.021794
10 SEC	0.000033	0.999712	0.000002	0.000288	0.998395	0.021808
30 SEC	0.000100	0.999136	0.000005	0.000862	0.995192	0.021865
60 SEC	0.000200	0.998272	0.000010	0.001719	0.990407	0.021951
2 MIN	0.000399	0.996548	0.000021	0.003419	0.980906	0.022123
5 MIN	0.000994	0.991392	0.000054	0.008404	0.952946	0.022634
10 MIN	0.001980	0.982857	0.000114	0.016340	0.908106	0.023475
30 MIN	0.005839	0.949448	0.000405	0.043844	0.748876	0.026703
60 MIN	0.011382	0.901452	0.000965	0.074461	0.560815	0.031156
2 HR	0.021643	0.812616	0.002354	0.108882	0.314514	0.038772
4 HR	0.039230	0.660345	0.005450	0.122725	0.098919	0.049633
8 HR	0.065135	0.436055	0.010804	0.093180	0.009785	0.058856
12 HR	0.082241	0.287946	0.014513	0.062732	0.000968	0.058161
24 HR	0.105923	0.082913	0.019686	0.018124	0.000001	0.037760
36 HR	0.112741	0.023875	0.021176	0.005219	0.000000	0.019383
48 HR	0.114705	0.006875	0.021606	0.001503	0.000000	0.009027
60 HR	0.115270	0.001980	0.021729	0.000433	0.000000	0.003995
72 HR	0.115433	0.000570	0.021765	0.000125	0.000000	0.001715
84 HR	0.115480	0.000164	0.021775	0.000036	0.000000	0.000723
96 HR	0.115493	0.000047	0.021778	0.000010	0.000000	0.000301
108 HR	0.115497	0.000014	0.021779	0.000003	0.000000	0.000124
120 HR	0.115498	0.000004	0.021779	0.000001	0.000000	0.000051
132 HR	0.115499	0.000001	0.021779	0.000000	0.000000	0.000021

SATURATED IODINE 0.115499
SATURATED XENON 0.021779

TIME HOURS	IODINE		MW/KG	1.98		SHUTDOWN TRANSIENT
	A	B	C	XENON	E	
				D		
0 SEC	0.	1.000000	0.	0.	1.000000	0.021808
5 SEC	0.000017	0.999856	0.000001	0.000144	0.999190	0.021822
10 SEC	0.000034	0.999712	0.000002	0.000288	0.998380	0.021837
30 SEC	0.000101	0.999136	0.000005	0.000862	0.995130	0.021895
60 SEC	0.000202	0.998272	0.000010	0.001719	0.990322	0.021982
2 MIN	0.000403	0.996548	0.000021	0.003419	0.980738	0.022155
5 MIN	0.001004	0.991392	0.000055	0.008402	0.952539	0.022673
10 MIN	0.002000	0.982857	0.000115	0.016333	0.907329	0.023523
30 MIN	0.005898	0.949448	0.000409	0.043790	0.746957	0.026789
60 MIN	0.011498	0.901452	0.000973	0.074286	0.557944	0.031294
2 HR	0.021864	0.812616	0.002370	0.108412	0.311302	0.039001
4 HR	0.039630	0.660345	0.005478	0.121846	0.096909	0.049997
8 HR	0.065800	0.436055	0.010837	0.092269	0.009391	0.059350
12 HR	0.083081	0.287946	0.014545	0.062073	0.000910	0.058676
24 HR	0.107003	0.082913	0.019716	0.017930	0.000001	0.038114
36 HR	0.113892	0.023875	0.021205	0.005163	0.000000	0.019567
48 HR	0.115875	0.006875	0.021634	0.001487	0.000000	0.009114
60 HR	0.116447	0.001980	0.021758	0.000428	0.000000	0.004034
72 HR	0.116611	0.000570	0.021793	0.000123	0.000000	0.001732
84 HR	0.116658	0.000164	0.021804	0.000035	0.000000	0.000730
96 HR	0.116672	0.000047	0.021807	0.000010	0.000000	0.000304
108 HR	0.116676	0.000014	0.021808	0.000003	0.000000	0.000125
120 HR	0.116677	0.000004	0.021808	0.000001	0.000000	0.000051
132 HR	0.116677	0.000001	0.021808	0.000000	0.000000	0.000021

SATURATED IODINE 0.116678
SATURATED XENON 0.021808

		MW/KG		2.00		
TIME HOURS	IODINE		XENON		SHUTDOWN TRANSIENT	
	A	B	C	D		E

0 SEC	0.	1.000000	0.	0.	1.000000	0.021836
5 SEC	0.000017	0.999856	0.000001	0.000144	0.999183	0.021851
10 SEC	0.000034	0.999712	0.000002	0.000288	0.998366	0.021865
30 SEC	0.000102	0.999136	0.000005	0.000862	0.995107	0.021924
60 SEC	0.000204	0.998272	0.000011	0.001719	0.990237	0.022012
2 MIN	0.000407	0.996548	0.000021	0.003419	0.980570	0.022188
5 MIN	0.001015	0.991392	0.000055	0.008400	0.952131	0.022711
10 MIN	0.002020	0.982857	0.000116	0.016326	0.906554	0.023751
30 MIN	0.005958	0.949448	0.000413	0.043736	0.745042	0.026875
60 MIN	0.011614	0.901452	0.000981	0.074110	0.555088	0.031432
2 HR	0.022084	0.812616	0.002386	0.107945	0.308122	0.039230
4 HR	0.040030	0.660345	0.005505	0.120978	0.094939	0.050360
8 HR	0.066464	0.436055	0.010870	0.091373	0.009013	0.059845
12 HR	0.083920	0.287946	0.014578	0.061428	0.000856	0.059191
24 HR	0.108084	0.082913	0.019745	0.017740	0.000001	0.038467
36 HR	0.115042	0.023875	0.021234	0.005108	0.000000	0.019752
48 HR	0.117046	0.006875	0.021663	0.001471	0.000000	0.009201
60 HR	0.117623	0.001980	0.021786	0.000424	0.000000	0.004072
72 HR	0.117789	0.000570	0.021822	0.000122	0.000000	0.001749
84 HR	0.117837	0.000164	0.021832	0.000035	0.000000	0.000737
96 HR	0.117850	0.000047	0.021835	0.000010	0.000000	0.000307
108 HR	0.117854	0.000014	0.021836	0.000003	0.000000	0.000127
120 HR	0.117856	0.000004	0.021836	0.000001	0.000000	0.000052
132 HR	0.117858	0.000001	0.021836	0.000000	0.000000	0.000021

SATURATED IODINE 0.117856
SATURATED XENON 0.021836

TIME HOURS	IODINE		MW/KG	2.02 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.021864
5 SEC	0.000017	0.999856	0.000001	0.000144	0.999176	0.021879
10 SEC	0.000034	0.999712	0.000002	0.000288	0.998352	0.021893
30 SEC	0.000103	0.999136	0.000005	0.000862	0.995064	0.021953
60 SEC	0.000206	0.998272	0.000011	0.001719	0.990153	0.022042
2 MIN	0.000411	0.996548	0.000022	0.003418	0.980403	0.022219
5 MIN	0.001025	0.991392	0.000056	0.008399	0.951724	0.022748
10 MIN	0.002041	0.982857	0.000117	0.016320	0.905778	0.023619
30 MIN	0.006017	0.949448	0.000416	0.043682	0.743132	0.026960
60 MIN	0.011731	0.901452	0.000989	0.073936	0.552246	0.031570
2 HR	0.022305	0.812616	0.002402	0.107480	0.304975	0.039458
4 HR	0.040431	0.660345	0.005532	0.120119	0.093010	0.050722
8 HR	0.067129	0.436055	0.010903	0.090492	0.008651	0.060339
12 HR	0.084759	0.287946	0.014609	0.060795	0.000805	0.059705
24 HR	0.109165	0.082913	0.019774	0.017555	0.000001	0.038821
36 HR	0.116193	0.023875	0.021262	0.005055	0.000000	0.019937
48 HR	0.118216	0.006875	0.021691	0.001456	0.000000	0.009288
60 HR	0.118799	0.001980	0.021814	0.000419	0.000000	0.004111
72 HR	0.118967	0.000570	0.021849	0.000121	0.000000	0.001765
84 HR	0.119015	0.000164	0.021860	0.000035	0.000000	0.000744
96 HR	0.119029	0.000047	0.021863	0.000010	0.000000	0.000310
108 HR	0.119033	0.000014	0.021863	0.000003	0.000000	0.000128
120 HR	0.119034	0.000004	0.021864	0.000001	0.000000	0.000052
132 HR	0.119034	0.000001	0.021864	0.000000	0.000000	0.000021

SATURATED IODINE 0.119035
SATURATED XENON 0.021864

TIME HOURS	MW/KG		2.04		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000017	0.999856	0.000001	0.000144	0.999169
10 SEC	0.000035	0.999712	0.000002	0.000288	0.998338
30 SEC	0.000104	0.999136	0.000005	0.000862	0.995022
60 SEC	0.000208	0.998272	0.000011	0.001719	0.990068
2 MIN	0.000415	0.996548	0.000022	0.003418	0.980235
5 MIN	0.001035	0.991392	0.000056	0.008397	0.951317
10 MIN	0.002061	0.982857	0.000119	0.016313	0.905004
30 MIN	0.006077	0.949448	0.000420	0.043629	0.741227
60 MIN	0.011847	0.901452	0.000997	0.073762	0.549418
2 HR	0.022526	0.812616	0.002418	0.107019	0.301860
4 HR	0.040831	0.660345	0.005558	0.119270	0.091120
8 HR	0.067794	0.436055	0.010935	0.089627	0.008303
12 HR	0.085598	0.287946	0.014641	0.060175	0.000757
24 HR	0.110246	0.082913	0.019803	0.017373	0.000001
36 HR	0.117343	0.023875	0.021290	0.005002	0.000000
48 HR	0.119387	0.006875	0.021718	0.001440	0.000000
60 HR	0.119975	0.001980	0.021841	0.000415	0.000000
72 HR	0.120145	0.000570	0.021877	0.000119	0.000000
84 HR	0.120193	0.000164	0.021887	0.000034	0.000000
96 HR	0.120208	0.000047	0.021890	0.000010	0.000000
108 HR	0.120212	0.000014	0.021891	0.000003	0.000000
120 HR	0.120213	0.000004	0.021891	0.000001	0.000000
132 HR	0.120213	0.000001	0.021891	0.000000	0.000000

SATURATED IODINE 0.120213
SATURATED XENON 0.021891

TIME HOURS	MW/KG		2.06		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000017	0.999856	0.000001	0.000144	0.999162
10 SEC	0.000035	0.999712	0.000002	0.000288	0.998323
30 SEC	0.000105	0.999136	0.000005	0.000862	0.994979
60 SEC	0.000210	0.998272	0.000011	0.001719	0.989983
2 MIN	0.000417	0.996548	0.000022	0.003418	0.980067
5 MIN	0.001045	0.991392	0.000057	0.008395	0.950910
10 MIN	0.002081	0.982857	0.000120	0.016306	0.904230
30 MIN	0.006137	0.949448	0.000424	0.043575	0.739328
60 MIN	0.011963	0.901452	0.001004	0.073568	0.546605
2 HR	0.022747	0.812616	0.002434	0.106560	0.298777
4 HR	0.041231	0.660345	0.005585	0.118430	0.089268
8 HR	0.068458	0.436055	0.010966	0.088777	0.007969
12 HR	0.086437	0.287946	0.014671	0.059567	0.000711
24 HR	0.111327	0.082913	0.019830	0.017194	0.000000
36 HR	0.118494	0.023875	0.021317	0.004951	0.000000
48 HR	0.120557	0.006875	0.021745	0.001426	0.000000
60 HR	0.121151	0.001980	0.021868	0.000411	0.000000
72 HR	0.121323	0.000570	0.021903	0.000118	0.000000
84 HR	0.121372	0.000164	0.021914	0.000034	0.000000
96 HR	0.121386	0.000047	0.021917	0.000010	0.000000
108 HR	0.121390	0.000014	0.021917	0.000003	0.000000
120 HR	0.121391	0.000004	0.021918	0.000001	0.000000
132 HR	0.121392	0.000001	0.021918	0.000000	0.000000

SATURATED IODINE 0.121392
SATURATED XENON 0.021918

TIME HOURS	MW/KG		2.08		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000018	0.999856	0.000001	0.000144	0.999155
10 SEC	0.000035	0.999712	0.000002	0.000288	0.998309
30 SEC	0.000106	0.999136	0.000005	0.000862	0.994937
60 SEC	0.000212	0.998272	0.000011	0.001719	0.989898
2 MIN	0.000423	0.996548	0.000022	0.003417	0.979900
5 MIN	0.001055	0.991392	0.000057	0.008393	0.950504
10 MIN	0.002101	0.982857	0.000121	0.016259	0.903457
30 MIN	0.006196	0.949448	0.000427	0.043521	0.737432
60 MIN	0.012079	0.901452	0.001012	0.073415	0.543807
2 HR	0.022968	0.812616	0.002449	0.106104	0.295726
4 HR	0.041632	0.660345	0.005611	0.117600	0.087454
8 HR	0.069123	0.436055	0.010997	0.087941	0.007648
12 HR	0.087277	0.287946	0.014701	0.058971	0.000669
24 HR	0.112408	0.082913	0.019858	0.017020	0.000000
36 HR	0.119644	0.023875	0.021343	0.004901	0.000000
48 HR	0.121728	0.006875	0.021771	0.001411	0.000000
60 HR	0.122328	0.001980	0.021894	0.000406	0.000000
72 HR	0.122500	0.000570	0.021930	0.000117	0.000000
84 HR	0.122550	0.000164	0.021940	0.000034	0.000000
96 HR	0.122565	0.000047	0.021943	0.000010	0.000000
108 HR	0.122569	0.000014	0.021944	0.000003	0.000000
120 HR	0.122570	0.000004	0.021944	0.000001	0.000000
132 HR	0.122570	0.000001	0.021944	0.000000	0.000000

SATURATED IODINE 0.122570
SATURATED XENON 0.021944

TIME HOURS	MW/KG		2.10		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000018	0.999856	0.000001	0.000144	0.999148
10 SEC	0.000036	0.999712	0.000002	0.000288	0.998295
30 SEC	0.000107	0.999136	0.000006	0.000862	0.994894
60 SEC	0.000214	0.998272	0.000011	0.001719	0.989814
2 MIN	0.000427	0.996548	0.000022	0.003417	0.979732
5 MIN	0.001065	0.991392	0.000058	0.008391	0.950097
10 MIN	0.002121	0.982857	0.000122	0.016292	0.902684
30 MIN	0.006256	0.949448	0.000431	0.043468	0.735542
60 MIN	0.012195	0.901452	0.001020	0.073243	0.541022
2 HR	0.023189	0.812616	0.002465	0.105651	0.292705
4 HR	0.042032	0.660345	0.005636	0.116779	0.085676
8 HR	0.069788	0.436055	0.011028	0.087119	0.007340
12 HR	0.088116	0.287946	0.014731	0.058386	0.000629
24 HR	0.113488	0.082913	0.019885	0.016849	0.000000
36 HR	0.120794	0.023875	0.021370	0.004852	0.000000
48 HR	0.122898	0.006875	0.021797	0.001397	0.000000
60 HR	0.123504	0.001980	0.021920	0.000402	0.000000
72 HR	0.123678	0.000570	0.021956	0.000116	0.000000
84 HR	0.123729	0.000164	0.021966	0.000033	0.000000
96 HR	0.123743	0.000047	0.021969	0.000010	0.000000
108 HR	0.123747	0.000014	0.021970	0.000003	0.000000
120 HR	0.123748	0.000004	0.021970	0.000001	0.000000
132 HR	0.123749	0.000001	0.021970	0.000000	0.000000

SATURATED IODINE 0.123749
SATURATED XENON 0.021970

TIME HOURS	IODINE		MW/KG	2.12 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.021995
5 SEC	0.000018	0.999856	0.000001	0.000144	0.999141	0.022011
10 SEC	0.000036	0.999712	0.000002	0.000288	0.998281	0.022027
30 SEC	0.000108	0.999136	0.000006	0.000862	0.994852	0.022090
60 SEC	0.000216	0.998272	0.000011	0.001719	0.983729	0.022184
2 MIN	0.000431	0.996548	0.000023	0.003417	0.979564	0.022371
5 MIN	0.001075	0.991392	0.000058	0.008390	0.949691	0.022930
10 MIN	0.002142	0.982857	0.000123	0.016285	0.901912	0.023849
30 MIN	0.006315	0.949448	0.000435	0.043415	0.733657	0.027379
60 MIN	0.012311	0.901452	0.001028	0.073071	0.538253	0.032251
2 HR	0.023409	0.812616	0.002480	0.105201	0.289716	0.040594
4 HR	0.042432	0.660345	0.005662	0.115967	0.083935	0.052530
8 HR	0.070452	0.436055	0.011058	0.086312	0.007045	0.062806
12 HR	0.088955	0.287946	0.014760	0.057812	0.000591	0.062276
24 HR	0.114569	0.082913	0.019911	0.016581	0.000000	0.040587
36 HR	0.121945	0.023875	0.021395	0.004803	0.000000	0.020861
48 HR	0.124069	0.006875	0.021823	0.001383	0.000000	0.009722
60 HR	0.124680	0.001980	0.021946	0.000398	0.000000	0.004304
72 HR	0.124856	0.000570	0.021981	0.000115	0.000000	0.001849
84 HR	0.124907	0.000164	0.021991	0.000033	0.000000	0.000779
96 HR	0.124922	0.000047	0.021994	0.000010	0.000000	0.000324
108 HR	0.124926	0.000014	0.021995	0.000003	0.000000	0.000134
120 HR	0.124927	0.000004	0.021995	0.000001	0.000000	0.000055
132 HR	0.124927	0.000001	0.021995	0.000000	0.000000	0.000022

SATURATED IODINE 0.124927
SATURATED XENON 0.021995

TIME HOURS	IODINE		MW/KG	2.14 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022020
5 SEC	0.000018	0.999856	0.000001	0.000144	0.999133	0.022036
10 SEC	0.000036	0.999712	0.000002	0.000288	0.998266	0.022052
30 SEC	0.000109	0.999136	0.000006	0.000862	0.994809	0.022116
60 SEC	0.000218	0.998272	0.000011	0.001719	0.989644	0.022211
2 MIN	0.000435	0.996548	0.000023	0.003417	0.979397	0.022400
5 MIN	0.001086	0.991392	0.000059	0.008388	0.949285	0.022965
10 MIN	0.002162	0.982857	0.000124	0.016278	0.901141	0.023894
30 MIN	0.006375	0.949448	0.000438	0.043361	0.731776	0.027462
60 MIN	0.012427	0.901452	0.001035	0.072900	0.535497	0.032386
2 HR	0.023630	0.812616	0.002496	0.104754	0.286757	0.040820
4 HR	0.042833	0.660345	0.005687	0.115163	0.082229	0.052890
8 HR	0.071117	0.436055	0.011087	0.085517	0.006762	0.063298
12 HR	0.089794	0.287946	0.014789	0.057250	0.000556	0.062790
24 HR	0.115650	0.082913	0.019938	0.016517	0.000000	0.040940
36 HR	0.123095	0.023875	0.021421	0.004756	0.000000	0.021046
48 HR	0.125239	0.006875	0.021848	0.001369	0.000000	0.009809
60 HR	0.125856	0.001980	0.021971	0.000394	0.000000	0.004343
72 HR	0.126034	0.000570	0.022006	0.000114	0.000000	0.001865
84 HR	0.126085	0.000164	0.022016	0.000033	0.000000	0.000786
96 HR	0.126100	0.000047	0.022019	0.000009	0.000000	0.000327
108 HR	0.126104	0.000014	0.022020	0.000003	0.000000	0.000135
120 HR	0.126105	0.000004	0.022020	0.000001	0.000000	0.000055
132 HR	0.126106	0.000001	0.022020	0.000000	0.000000	0.000023

SATURATED IODINE 0.126106
SATURATED XENON 0.022020

TIME HOURS	IODINE		MW/KG	2.16 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022045
5 SEC	0.000018	0.999856	0.000001	0.000144	0.999126	0.022061
10 SEC	0.000037	0.999712	0.000002	0.000288	0.998252	0.022077
30 SEC	0.000110	0.999136	0.000006	0.000862	0.994767	0.022141
60 SEC	0.000220	0.998272	0.000011	0.001719	0.989560	0.022237
2 MIN	0.000439	0.996548	0.000023	0.003416	0.979229	0.022429
5 MIN	0.001096	0.991392	0.000060	0.008386	0.948879	0.022999
10 MIN	0.002182	0.982857	0.000125	0.016271	0.900370	0.023938
30 MIN	0.006434	0.949448	0.000442	0.043308	0.729901	0.027544
60 MIN	0.012544	0.901452	0.001043	0.072729	0.532755	0.032520
2 HR	0.023851	0.812616	0.002511	0.104309	0.283828	0.041046
4 HR	0.043233	0.660345	0.005712	0.114369	0.080558	0.053251
8 HR	0.071782	0.436055	0.011116	0.084736	0.006490	0.063791
12 HR	0.090633	0.287946	0.014817	0.056697	0.000523	0.063303
24 HR	0.116731	0.082913	0.019963	0.016355	0.000000	0.041293
36 HR	0.124246	0.023875	0.021446	0.004710	0.000000	0.021230
48 HR	0.126410	0.006875	0.021872	0.001356	0.000000	0.009896
60 HR	0.127033	0.001980	0.021995	0.000390	0.000000	0.004381
72 HR	0.127212	0.000570	0.022031	0.000112	0.000000	0.001882
84 HR	0.127264	0.000164	0.022041	0.000032	0.000000	0.000793
96 HR	0.127279	0.000047	0.022044	0.000009	0.000000	0.000330
108 HR	0.127283	0.000014	0.022045	0.000003	0.000000	0.000136
120 HR	0.127284	0.000004	0.022045	0.000001	0.000000	0.000056
132 HR	0.127284	0.000001	0.022045	0.000000	0.000000	0.000023

SATURATED IODINE 0.127285
SATURATED XENON 0.022045

TIME HOURS	IODINE		MW/KG	2.18 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022069
5 SEC	0.000018	0.999856	0.000001	0.000144	0.999119	0.022085
10 SEC	0.000037	0.999712	0.000002	0.000288	0.998238	0.022102
30 SEC	0.000111	0.999136	0.000006	0.000862	0.994724	0.022166
60 SEC	0.000222	0.998272	0.000011	0.001719	0.989475	0.022263
2 MIN	0.000443	0.996548	0.000023	0.003416	0.979062	0.022457
5 MIN	0.001106	0.991392	0.000060	0.008384	0.948473	0.023034
10 MIN	0.002202	0.982857	0.000126	0.016265	0.899600	0.023982
30 MIN	0.006494	0.949448	0.000445	0.043255	0.728030	0.027626
60 MIN	0.012660	0.901452	0.001051	0.072559	0.530027	0.032655
2 HR	0.024072	0.812616	0.002526	0.103867	0.280929	0.041271
4 HR	0.043633	0.660345	0.005736	0.113584	0.078921	0.053611
8 HR	0.072446	0.436055	0.011145	0.083968	0.006229	0.064293
12 HR	0.091473	0.287946	0.014844	0.056156	0.000492	0.063816
24 HR	0.117812	0.082913	0.019988	0.016197	0.000000	0.041645
36 HR	0.125396	0.023875	0.021470	0.004664	0.000000	0.021415
48 HR	0.127580	0.006875	0.021897	0.001343	0.000000	0.009983
60 HR	0.128209	0.001980	0.022020	0.000387	0.000000	0.004420
72 HR	0.128390	0.000570	0.022055	0.000111	0.000000	0.001898
84 HR	0.128442	0.000164	0.022065	0.000032	0.000000	0.000800
96 HR	0.128457	0.000047	0.022068	0.000009	0.000000	0.000333
108 HR	0.128461	0.000014	0.022069	0.000003	0.000000	0.000137
120 HR	0.128463	0.000004	0.022069	0.000001	0.000000	0.000056
132 HR	0.128463	0.000001	0.022069	0.000000	0.000000	0.000023

SATURATED IODINE 0.128463
SATURATED XENON 0.022069

TIME HOURS	IODINE		MW/KG	2.20 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022093
5 SEC	0.000019	0.999856	0.000001	0.000144	0.999112	0.022109
10 SEC	0.000037	0.999712	0.000002	0.000288	0.998224	0.022126
30 SEC	0.000112	0.999136	0.000006	0.000862	0.994681	0.022191
60 SEC	0.000224	0.998272	0.000012	0.001718	0.989390	0.022289
2 MIN	0.000448	0.996548	0.000023	0.003416	0.978894	0.022485
5 MIN	0.001118	0.991392	0.000061	0.008383	0.948067	0.023067
10 MIN	0.002224	0.982857	0.000127	0.016258	0.898831	0.024026
30 MIN	0.006554	0.949448	0.000449	0.043202	0.726164	0.027707
60 MIN	0.012778	0.901452	0.001058	0.072390	0.527314	0.032789
2 HR	0.024293	0.812616	0.002541	0.103428	0.278060	0.041496
4 HR	0.044033	0.660345	0.005760	0.112807	0.077317	0.053970
8 HR	0.073111	0.436055	0.011173	0.083213	0.005978	0.064775
12 HR	0.092312	0.287946	0.014872	0.055624	0.000462	0.064329
24 HR	0.118893	0.082913	0.020013	0.016042	0.000000	0.041998
36 HR	0.126547	0.023875	0.021494	0.004619	0.000000	0.021600
48 HR	0.128750	0.006875	0.021921	0.001330	0.000000	0.010069
60 HR	0.129385	0.001980	0.022043	0.000383	0.000000	0.004458
72 HR	0.129568	0.000570	0.022079	0.000110	0.000000	0.001915
84 HR	0.129620	0.000164	0.022089	0.000032	0.000000	0.000807
96 HR	0.129636	0.000047	0.022092	0.000009	0.000000	0.000336
108 HR	0.129640	0.000014	0.022093	0.000003	0.000000	0.000139
120 HR	0.129641	0.000004	0.022093	0.000001	0.000000	0.000057
132 HR	0.129642	0.000001	0.022093	0.000000	0.000000	0.000023

SATURATED IODINE 0.129642
SATURATED XENON 0.022093

TIME HOURS	IODINE		MW/KG	2.22 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022117
5 SEC	0.000019	0.999856	0.000001	0.000144	0.999105	0.022133
10 SEC	0.000038	0.999712	0.000002	0.000288	0.998210	0.022150
30 SEC	0.000113	0.999136	0.000006	0.000862	0.994539	0.022216
60 SEC	0.000226	0.998272	0.000012	0.001718	0.989306	0.022315
2 MIN	0.000452	0.996548	0.000024	0.003415	0.978727	0.022512
5 MIN	0.001126	0.991392	0.000061	0.008381	0.947562	0.023101
10 MIN	0.002243	0.982857	0.000129	0.016251	0.898062	0.024069
30 MIN	0.006613	0.949448	0.000453	0.043149	0.724302	0.027788
60 MIN	0.012892	0.901452	0.001066	0.072221	0.524614	0.032922
2 HR	0.024514	0.812616	0.002556	0.102992	0.275220	0.041721
4 HR	0.044434	0.660345	0.005784	0.112038	0.075746	0.054330
8 HR	0.073775	0.436055	0.011201	0.082470	0.005737	0.065266
12 HR	0.093151	0.287946	0.014899	0.055102	0.000435	0.064842
24 HR	0.119974	0.082913	0.020038	0.015890	0.000000	0.042351
36 HR	0.127697	0.023875	0.021518	0.004576	0.000000	0.021784
48 HR	0.129921	0.006875	0.021944	0.001318	0.000000	0.010156
60 HR	0.130581	0.001980	0.022067	0.000379	0.000000	0.004497
72 HR	0.130748	0.000570	0.022102	0.000109	0.000000	0.001932
84 HR	0.130799	0.000164	0.022112	0.000031	0.000000	0.000814
96 HR	0.130814	0.000047	0.022115	0.000009	0.000000	0.000339
108 HR	0.130818	0.000014	0.022116	0.000003	0.000000	0.000140
120 HR	0.130820	0.000004	0.022116	0.000001	0.000000	0.000057
132 HR	0.130820	0.000001	0.022117	0.000000	0.000000	0.000023

SATURATED IODINE 0.130820
SATURATED XENON 0.022117

TIME HOURS	IODINE		MW/KG	2.24 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022140
5 SEC	0.000019	0.999856	0.000001	0.000144	0.999098	0.022156
10 SEC	0.000038	0.999712	0.000002	0.000288	0.998195	0.022173
30 SEC	0.000114	0.999136	0.000006	0.000862	0.994596	0.022240
60 SEC	0.000228	0.998272	0.000012	0.001718	0.989221	0.022340
2 MIN	0.000458	0.996548	0.000024	0.003415	0.978559	0.022539
5 MIN	0.001136	0.991392	0.000062	0.008379	0.947257	0.023134
10 MIN	0.002263	0.982857	0.000130	0.016244	0.897295	0.024112
30 MIN	0.006673	0.949448	0.000456	0.043096	0.722446	0.027869
60 MIN	0.013008	0.901452	0.001074	0.072052	0.521928	0.033055
2 HR	0.024734	0.812616	0.002571	0.102558	0.272409	0.041945
4 HR	0.044834	0.660345	0.005808	0.111278	0.074207	0.054689
8 HR	0.074440	0.436055	0.011228	0.081739	0.005507	0.065758
12 HR	0.093990	0.287946	0.014925	0.054589	0.000409	0.065355
24 HR	0.121054	0.082913	0.020062	0.015741	0.000000	0.042704
36 HR	0.128847	0.023875	0.021541	0.004533	0.000000	0.021969
48 HR	0.131091	0.006875	0.021967	0.001305	0.000000	0.010243
60 HR	0.131737	0.001980	0.022090	0.000376	0.000000	0.004536
72 HR	0.131924	0.000570	0.022125	0.000108	0.000000	0.001948
84 HR	0.131977	0.000164	0.022136	0.000031	0.000000	0.000821
96 HR	0.131993	0.000047	0.022138	0.000009	0.000000	0.000342
108 HR	0.131997	0.000014	0.022139	0.000003	0.000000	0.000141
120 HR	0.131998	0.000004	0.022140	0.000001	0.000000	0.000058
132 HR	0.131999	0.000001	0.022140	0.000000	0.000000	0.000024

SATURATED IODINE 0.131999
SATURATED XENON 0.022140

TIME HOURS	IODINE		MW/KG	2.26 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022162
5 SEC	0.000019	0.999856	0.000001	0.000144	0.999091	0.022179
10 SEC	0.000038	0.999712	0.000002	0.000288	0.998181	0.022196
30 SEC	0.000115	0.999136	0.000006	0.000862	0.994554	0.022263
60 SEC	0.000230	0.998272	0.000012	0.001718	0.989137	0.022364
2 MIN	0.000460	0.996548	0.000024	0.003415	0.978392	0.022566
5 MIN	0.001146	0.991392	0.000062	0.008377	0.946852	0.023167
10 MIN	0.002283	0.982857	0.000131	0.016237	0.896527	0.024155
30 MIN	0.006732	0.949448	0.000460	0.043044	0.720594	0.027949
60 MIN	0.013124	0.901452	0.001081	0.071885	0.519256	0.033188
2 HR	0.024955	0.812616	0.002586	0.102127	0.269627	0.042169
4 HR	0.045234	0.660345	0.005832	0.110526	0.072699	0.055048
8 HR	0.075105	0.436055	0.011255	0.081020	0.005285	0.066249
12 HR	0.094829	0.287946	0.014951	0.054086	0.000384	0.065868
24 HR	0.122135	0.082913	0.020086	0.015595	0.000000	0.043056
36 HR	0.129998	0.023875	0.021564	0.004490	0.000000	0.022153
48 HR	0.132262	0.006875	0.021990	0.001293	0.000000	0.010330
60 HR	0.132914	0.001980	0.022113	0.000372	0.000000	0.004574
72 HR	0.133101	0.000570	0.022148	0.000107	0.000000	0.001965
84 HR	0.133155	0.000164	0.022158	0.000031	0.000000	0.000828
96 HR	0.133171	0.000047	0.022161	0.000009	0.000000	0.000345
108 HR	0.133176	0.000014	0.022162	0.000003	0.000000	0.000142
120 HR	0.133177	0.000004	0.022162	0.000001	0.000000	0.000058
132 HR	0.133177	0.000001	0.022162	0.000000	0.000000	0.000024

SATURATED IODINE 0.133177
SATURATED XENON 0.022162

TIME HOURS	IODINE		MW/KG	2.28 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022185
5 SEC	0.000019	0.999856	0.000001	0.000144	0.999084	0.022202
10 SEC	0.000039	0.999712	0.000002	0.000288	0.998167	0.022219
30 SEC	0.000116	0.999136	0.000006	0.000862	0.994511	0.022287
60 SEC	0.000232	0.998272	0.000012	0.001718	0.989052	0.022389
2 MIN	0.000464	0.996548	0.000024	0.003415	0.978224	0.022592
5 MIN	0.001157	0.991392	0.000063	0.008375	0.946447	0.023199
10 MIN	0.002303	0.982857	0.000132	0.016230	0.895761	0.024197
30 MIN	0.006792	0.949448	0.000463	0.042991	0.718747	0.028029
60 MIN	0.013240	0.901452	0.001089	0.071717	0.516597	0.033321
2 HR	0.025176	0.812616	0.002600	0.101699	0.266873	0.042393
4 HR	0.045635	0.660345	0.005855	0.109782	0.071221	0.055406
8 HR	0.075769	0.436055	0.011282	0.080313	0.005072	0.066741
12 HR	0.095669	0.287946	0.014976	0.053591	0.000361	0.066380
24 HR	0.123216	0.082913	0.020109	0.015451	0.000000	0.043409
36 HR	0.131148	0.023875	0.021587	0.004449	0.000000	0.022338
48 HR	0.133432	0.006875	0.022013	0.001281	0.000000	0.010416
60 HR	0.134090	0.001980	0.022135	0.000369	0.000000	0.004613
72 HR	0.134279	0.000570	0.022170	0.000106	0.000000	0.001982
84 HR	0.134334	0.000164	0.022181	0.000031	0.000000	0.000835
96 HR	0.134350	0.000047	0.022184	0.000009	0.000000	0.000348
108 HR	0.134354	0.000014	0.022184	0.000003	0.000000	0.000143
120 HR	0.134355	0.000004	0.022185	0.000001	0.000000	0.000059
132 HR	0.134356	0.000001	0.022185	0.000000	0.000000	0.000024

SATURATED IODINE 0.134356
SATURATED XENON 0.022185

TIME HOURS	IODINE		MW/KG	2.30 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022207
5 SEC	0.000020	0.999856	0.000001	0.000144	0.999077	0.022224
10 SEC	0.000039	0.999712	0.000002	0.000288	0.998153	0.022241
30 SEC	0.000117	0.999136	0.000006	0.000862	0.994469	0.022310
60 SEC	0.000234	0.998272	0.000012	0.001718	0.988967	0.022413
2 MIN	0.000468	0.996548	0.000025	0.003414	0.978057	0.022618
5 MIN	0.001167	0.991392	0.000063	0.008374	0.946042	0.023231
10 MIN	0.002323	0.982857	0.000133	0.016224	0.894995	0.024239
30 MIN	0.006851	0.949448	0.000467	0.042938	0.716905	0.028109
60 MIN	0.013357	0.901452	0.001096	0.071550	0.513953	0.033453
2 HR	0.025397	0.812616	0.002615	0.101273	0.264147	0.042616
4 HR	0.046035	0.660345	0.005878	0.109047	0.069774	0.055764
8 HR	0.076434	0.436055	0.011308	0.079617	0.004868	0.067232
12 HR	0.096508	0.287946	0.015002	0.053106	0.000340	0.066893
24 HR	0.124297	0.082913	0.020132	0.015310	0.000000	0.043761
36 HR	0.132299	0.023875	0.021609	0.004408	0.000000	0.022522
48 HR	0.134603	0.006875	0.022035	0.001269	0.000000	0.010503
60 HR	0.135266	0.001980	0.022157	0.000366	0.000000	0.004651
72 HR	0.135457	0.000570	0.022192	0.000105	0.000000	0.001998
84 HR	0.135512	0.000164	0.022203	0.000030	0.000000	0.000842
96 HR	0.135528	0.000047	0.022206	0.000009	0.000000	0.000351
108 HR	0.135533	0.000014	0.022206	0.000003	0.000000	0.000145
120 HR	0.135534	0.000004	0.022207	0.000001	0.000000	0.000059
132 HR	0.135534	0.000001	0.022207	0.000000	0.000000	0.000024

SATURATED IODINE 0.135534
SATURATED XENON 0.022207

TIME HOURS	IODINE		MW/KG	2.32 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022228
5 SEC	0.000020	0.999856	0.000001	0.000144	0.999069	0.022246
10 SEC	0.000039	0.999712	0.000002	0.000288	0.998138	0.022263
30 SEC	0.000118	0.999136	0.000006	0.000862	0.994426	0.022333
60 SEC	0.000236	0.998272	0.000012	0.001718	0.988883	0.022437
2 MIN	0.000472	0.996548	0.000025	0.003414	0.977890	0.022644
5 MIN	0.001177	0.991392	0.000064	0.008372	0.945637	0.023263
10 MIN	0.002344	0.982857	0.000134	0.016217	0.894229	0.024280
30 MIN	0.006911	0.949448	0.000471	0.042886	0.715067	0.028188
60 MIN	0.013473	0.901452	0.001103	0.071384	0.511321	0.033585
2 HR	0.025618	0.812616	0.002629	0.100850	0.261449	0.042839
4 HR	0.046435	0.660345	0.005900	0.108319	0.068356	0.056123
8 HR	0.077099	0.436055	0.011334	0.078932	0.004673	0.067722
12 HR	0.097347	0.287946	0.015026	0.052629	0.000319	0.067405
24 HR	0.125378	0.082913	0.020154	0.015171	0.000000	0.044114
36 HR	0.133449	0.023875	0.021631	0.004368	0.000000	0.022707
48 HR	0.135773	0.006875	0.022056	0.001258	0.000000	0.010590
60 HR	0.136442	0.001980	0.022179	0.000362	0.000000	0.004690
72 HR	0.136635	0.000570	0.022214	0.000104	0.000000	0.002015
84 HR	0.136691	0.000164	0.022224	0.000030	0.000000	0.000849
96 HR	0.136707	0.000047	0.022227	0.000009	0.000000	0.000353
108 HR	0.136711	0.000014	0.022228	0.000003	0.000000	0.000146
120 HR	0.136712	0.000004	0.022228	0.000001	0.000000	0.000060
132 HR	0.136713	0.000001	0.022228	0.000000	0.	0.000024

SATURATED IODINE 0.136713
SATURATED XENON 0.022228

TIME HOURS	IODINE		MW/KG	2.34 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022250
5 SEC	0.000020	0.999856	0.000001	0.000144	0.999062	0.022267
10 SEC	0.000039	0.999712	0.000002	0.000288	0.998124	0.022285
30 SEC	0.000119	0.999136	0.000006	0.000862	0.994384	0.022355
60 SEC	0.000238	0.998272	0.000012	0.001718	0.988798	0.022460
2 MIN	0.000476	0.996548	0.000025	0.003414	0.977722	0.022669
5 MIN	0.001187	0.991392	0.000064	0.008370	0.945233	0.023294
10 MIN	0.002364	0.982857	0.000135	0.016210	0.893465	0.024321
30 MIN	0.006971	0.949448	0.000474	0.042833	0.713234	0.028267
60 MIN	0.013589	0.901452	0.001111	0.071218	0.508703	0.033716
2 HR	0.025839	0.812616	0.002644	0.100429	0.258779	0.043062
4 HR	0.046836	0.660345	0.005923	0.107599	0.066967	0.056480
8 HR	0.077763	0.436055	0.011359	0.078258	0.004485	0.068213
12 HR	0.098186	0.287946	0.015051	0.052160	0.000300	0.067917
24 HR	0.126459	0.082913	0.020177	0.015035	0.000000	0.044466
36 HR	0.134599	0.023875	0.021653	0.004329	0.000000	0.022891
48 HR	0.136944	0.006875	0.022078	0.001247	0.000000	0.010676
60 HR	0.137619	0.001980	0.022200	0.000359	0.000000	0.004729
72 HR	0.137813	0.000570	0.022236	0.000103	0.000000	0.002031
84 HR	0.137869	0.000164	0.022246	0.000030	0.000000	0.000856
96 HR	0.137885	0.000047	0.022249	0.000009	0.000000	0.000356
108 HR	0.137890	0.000014	0.022249	0.000003	0.000000	0.000147
120 HR	0.137891	0.000004	0.022250	0.000001	0.000000	0.000060
132 HR	0.137891	0.000001	0.022250	0.000000	0.	0.000025

SATURATED IODINE 0.137892
SATURATED XENON 0.022250

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	1.000000	0.000001	0.000144	1.000000	0.022271
5 SEC	0.000020	0.999856	0.000002	0.000088	0.999955	0.022289
10 SEC	0.000040	0.999712	0.000006	0.000288	0.999810	0.022307
30 SEC	0.000120	0.999136	0.000062	0.000862	0.994341	0.022377
60 SEC	0.000240	0.998272	0.000112	0.001718	0.988714	0.022483
2 MIN	0.000480	0.996548	0.000225	0.003418	0.977555	0.022694
5 MIN	0.001197	0.991392	0.000655	0.008368	0.944829	0.023525
10 MIN	0.002384	0.982957	0.00136	0.016203	0.892701	0.024362
30 MIN	0.007303	0.949448	0.00478	0.042781	0.711406	0.028346
60 MIN	0.013705	0.901452	0.01118	0.071053	0.506099	0.033848
2 HR	0.026607	0.812616	0.002658	0.100011	0.256136	0.033855
4 HR	0.047236	0.660345	0.005945	0.056887	0.065606	0.056887
8 HR	0.078528	0.436055	0.011384	0.077595	0.004304	0.068703
12 HR	0.099025	0.287946	0.015075	0.051659	0.000282	0.068429
24 HR	0.127539	0.082913	0.020199	0.014801	0.000000	0.044818
36 HR	0.137550	0.023875	0.021674	0.004291	0.000000	0.023076
48 HR	0.138114	0.006875	0.022099	0.001236	0.000000	0.010765
60 HR	0.138795	0.001980	0.022221	0.000356	0.000000	0.004767
72 HR	0.138991	0.000570	0.022257	0.000102	0.000000	0.002048
84 HR	0.139047	0.000164	0.022267	0.000029	0.000000	0.000863
96 HR	0.139064	0.000047	0.022270	0.000008	0.000000	0.000359
108 HR	0.139068	0.000014	0.022270	0.000002	0.000000	0.000148
120 HR	0.139070	0.000004	0.022271	0.000001	0.000000	0.000061
132 HR	0.139070	0.000001	0.022271	0.000000	0.000000	0.000025

SATURATED IODINE
SATURATED XENON
0.139070
0.022271

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	1.000000	0.000001	0.000144	1.000000	0.022292
5 SEC	0.000020	0.999856	0.000002	0.000088	0.999955	0.022309
10 SEC	0.000040	0.999712	0.000006	0.000288	0.998026	0.022327
30 SEC	0.000120	0.999136	0.000062	0.000862	0.994299	0.022399
60 SEC	0.000240	0.998272	0.000112	0.001718	0.988629	0.022506
2 MIN	0.000480	0.996548	0.000225	0.003418	0.977388	0.022719
5 MIN	0.001197	0.991392	0.000655	0.008368	0.944425	0.023336
10 MIN	0.002384	0.982957	0.00136	0.016203	0.891937	0.024362
30 MIN	0.007303	0.949448	0.00478	0.042781	0.709583	0.028346
60 MIN	0.013705	0.901452	0.01118	0.071053	0.506099	0.033848
2 HR	0.026607	0.812616	0.002658	0.100011	0.256136	0.033855
4 HR	0.047236	0.660345	0.005945	0.056887	0.065606	0.056887
8 HR	0.078528	0.436055	0.011384	0.077595	0.004304	0.068703
12 HR	0.099025	0.287946	0.015075	0.051659	0.000282	0.068429
24 HR	0.127539	0.082913	0.020199	0.004291	0.000000	0.044818
36 HR	0.137550	0.023875	0.021674	0.001236	0.000000	0.023076
48 HR	0.138114	0.006875	0.022099	0.000356	0.000000	0.010765
60 HR	0.138795	0.001980	0.022221	0.000102	0.000000	0.004767
72 HR	0.138991	0.000570	0.022257	0.000029	0.000000	0.002048
84 HR	0.139047	0.000164	0.022267	0.000008	0.000000	0.000863
96 HR	0.139064	0.000047	0.022270	0.000002	0.000000	0.000359
108 HR	0.139068	0.000014	0.022270	0.000001	0.000000	0.000148
120 HR	0.139070	0.000004	0.022271	0.000000	0.000000	0.000061
132 HR	0.139070	0.000001	0.022271	0.000000	0.000000	0.000025

SATURATED IODINE
SATURATED XENON
0.140249
0.022292

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	1.000000	0.000001	0.000144	1.000000	0.022312
5 SEC	0.000020	0.999856	0.000002	0.000088	0.999955	0.022330
10 SEC	0.000040	0.999712	0.000006	0.000288	0.998081	0.022348
30 SEC	0.000120	0.999136	0.000062	0.000862	0.994256	0.022420
60 SEC	0.000240	0.998272	0.000112	0.001718	0.988544	0.022528
2 MIN	0.000480	0.996548	0.000225	0.003418	0.977221	0.022744
5 MIN	0.001217	0.991392	0.000656	0.008365	0.944021	0.023386
10 MIN	0.002424	0.982857	0.00138	0.016189	0.891174	0.024443
30 MIN	0.007149	0.949448	0.00485	0.042677	0.707764	0.028302
60 MIN	0.013937	0.901452	0.01133	0.070725	0.506930	0.034110
2 HR	0.026507	0.812616	0.00266	0.099183	0.250931	0.043129
4 HR	0.048037	0.660345	0.005989	0.058585	0.062866	0.057553
8 HR	0.079757	0.436055	0.011433	0.076499	0.003965	0.069453
12 HR	0.097004	0.287946	0.013122	0.050802	0.000250	0.065523
24 HR	0.130701	0.082913	0.020241	0.014641	0.000000	0.023444
36 HR	0.138051	0.023875	0.021716	0.004216	0.000000	0.010937
48 HR	0.140455	0.006875	0.022140	0.001214	0.000000	0.003500
60 HR	0.141147	0.001980	0.022263	0.000350	0.000000	0.000444
72 HR	0.141347	0.000570	0.022298	0.000101	0.000000	0.000281
84 HR	0.141604	0.000164	0.022308	0.000029	0.000000	0.000177
96 HR	0.141821	0.000047	0.022311	0.000008	0.000000	0.000165
108 HR	0.141825	0.000014	0.022312	0.000002	0.000000	0.000151
120 HR	0.141827	0.000004	0.022312	0.000001	0.000000	0.000062
132 HR	0.141827	0.000001	0.022312	0.000000	0.000000	0.000025

SATURATED IODINE
SATURATED XENON
0.141427
0.022312

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	1.000000	0.000001	0.000144	1.000000	0.022332
5 SEC	0.000020	0.999856	0.000002	0.000088	0.999955	0.022350
10 SEC	0.000040	0.999712	0.000006	0.000288	0.998087	0.022368
30 SEC	0.000120	0.999136	0.000062	0.000862	0.994214	0.022441
60 SEC	0.000240	0.998272	0.000112	0.001718	0.988460	0.022550
2 MIN	0.000480	0.996548	0.000225	0.003418	0.977054	0.022768
5 MIN	0.001217	0.991392	0.000656	0.008365	0.943617	0.023416
10 MIN	0.002424	0.982857	0.00138	0.016189	0.890412	0.024483
30 MIN	0.007149	0.949448	0.00485	0.042677	0.705950	0.028580
60 MIN	0.013937	0.901452	0.01140	0.070725	0.504255	0.034260
2 HR	0.026507	0.812616	0.002700	0.098772	0.248358	0.043951
4 HR	0.048037	0.660345	0.006010	0.075666	0.031687	0.057199
8 HR	0.079757	0.436055	0.011457	0.075666	0.003805	0.070174
12 HR	0.097004	0.287946	0.015145	0.050364	0.000235	0.069964
24 HR	0.130701	0.082913	0.020262	0.014514	0.000000	0.045875
36 HR	0.138051	0.023875	0.021736	0.004179	0.000000	0.023629
48 HR	0.140455	0.006875	0.022150	0.001203	0.000000	0.011023
60 HR	0.141147	0.001980	0.022283	0.000367	0.000000	0.004883
72 HR	0.141347	0.000570	0.022318	0.000100	0.000000	0.002088
84 HR	0.141604	0.000164	0.022338	0.000029	0.000000	0.000884
96 HR	0.141821	0.000047	0.022331	0.000008	0.000000	0.000368
108 HR	0.141825	0.000014	0.022332	0.000002	0.000000	0.000152
120 HR	0.141827	0.000004	0.022332	0.000001	0.000000	0.000062
132 HR	0.141827	0.000001	0.022332	0.000000	0.000000	0.000025

SATURATED IODINE
SATURATED XENON
0.142606
0.022332

TIME HOURS	MW/KG		2.44		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.022352
5 SEC	0.000021	0.999856	0.000001	0.000144	0.999027	0.022370
10 SEC	0.000041	0.999712	0.000002	0.000288	0.998053	0.022389
30 SEC	0.000124	0.999136	0.000006	0.000862	0.994171	0.022462
60 SEC	0.000248	0.998272	0.000013	0.001718	0.988375	0.022572
2 MIN	0.000496	0.996548	0.000026	0.003412	0.976886	0.022792
5 MIN	0.001238	0.991392	0.000067	0.008361	0.943213	0.023448
10 MIN	0.002465	0.982857	0.000141	0.016176	0.889651	0.024522
30 MIN	0.007269	0.949448	0.000492	0.042573	0.704140	0.028658
60 MIN	0.014170	0.901452	0.001147	0.070398	0.495814	0.034370
2 HR	0.026943	0.812616	0.002714	0.098365	0.245831	0.044172
4 HR	0.048837	0.660345	0.006031	0.104114	0.060433	0.058266
8 HR	0.081087	0.436055	0.011480	0.075043	0.003652	0.070663
12 HR	0.102382	0.287946	0.015167	0.049934	0.000221	0.070478
24 HR	0.131863	0.082913	0.020283	0.014389	0.000000	0.046227
36 HR	0.140352	0.023875	0.021756	0.004143	0.000000	0.023813
48 HR	0.142796	0.006875	0.022180	0.001193	0.000000	0.011110
60 HR	0.143500	0.001980	0.022302	0.000344	0.000000	0.004921
72 HR	0.143702	0.000570	0.022338	0.000099	0.000000	0.002115
84 HR	0.143761	0.000164	0.022348	0.000028	0.000000	0.000891
96 HR	0.143778	0.000047	0.022351	0.000008	0.000000	0.000373
108 HR	0.143782	0.000014	0.022352	0.000002	0.000000	0.000151
120 HR	0.143784	0.000004	0.022352	0.000001	0.000000	0.000063
132 HR	0.143784	0.000001	0.022352	0.000000	0.	0.000026

SATURATED IODINE 0.143784
SATURATED XENON 0.022352

TIME HOURS	MW/KG		2.46		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000021	0.999856	0.000001	0.000144	0.999020
10 SEC	0.000042	0.999712	0.000002	0.000288	0.998039
30 SEC	0.000125	0.999136	0.000006	0.000862	0.994128
60 SEC	0.000250	0.998272	0.000013	0.001718	0.988291
2 MIN	0.000500	0.996548	0.000026	0.003412	0.976719
5 MIN	0.001248	0.991392	0.000068	0.008359	0.942810
10 MIN	0.002485	0.982857	0.000142	0.016169	0.888890
30 MIN	0.007328	0.949448	0.000495	0.042521	0.702335
60 MIN	0.014286	0.901452	0.001155	0.070235	0.493275
2 HR	0.027164	0.812616	0.002728	0.097959	0.243320
4 HR	0.049237	0.660345	0.006052	0.103439	0.059205
8 HR	0.081751	0.436055	0.011504	0.074429	0.003505
12 HR	0.103221	0.287946	0.015189	0.049511	0.000208
24 HR	0.132944	0.082913	0.020303	0.014267	0.000000
36 HR	0.141502	0.023875	0.021776	0.004108	0.000000
48 HR	0.143966	0.006875	0.022200	0.001183	0.000000
60 HR	0.144676	0.001980	0.022322	0.000341	0.000000
72 HR	0.144880	0.000570	0.022357	0.000098	0.000000
84 HR	0.144939	0.000164	0.022367	0.000028	0.000000
96 HR	0.144956	0.000047	0.022370	0.000008	0.000000
108 HR	0.144961	0.000014	0.022371	0.000002	0.000000
120 HR	0.144962	0.000004	0.022371	0.000001	0.000000
132 HR	0.144963	0.000001	0.022371	0.000000	0.

SATURATED IODINE 0.144963
SATURATED XENON 0.022371

TIME HOURS	MW/KG		2.48		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.022391
5 SEC	0.000021	0.999856	0.000001	0.000144	0.999012	0.022409
10 SEC	0.000042	0.999712	0.000002	0.000288	0.998025	0.022428
30 SEC	0.000126	0.999136	0.000006	0.000862	0.994086	0.022503
60 SEC	0.000252	0.998272	0.000013	0.001717	0.988206	0.022615
2 MIN	0.000505	0.996548	0.000026	0.003412	0.976552	0.022838
5 MIN	0.001258	0.991392	0.000068	0.008358	0.942407	0.023505
10 MIN	0.002505	0.982857	0.000143	0.016162	0.888130	0.024601
30 MIN	0.007388	0.949448	0.000499	0.042469	0.700535	0.028812
60 MIN	0.014402	0.901452	0.001162	0.070073	0.490750	0.034630
2 HR	0.027385	0.812616	0.002741	0.097556	0.240835	0.044615
4 HR	0.049638	0.660345	0.006073	0.102771	0.058002	0.058979
8 HR	0.082416	0.436055	0.011526	0.073825	0.003364	0.071643
12 HR	0.104061	0.287946	0.015211	0.049096	0.000195	0.071499
24 HR	0.134024	0.082913	0.020323	0.014146	0.000000	0.046931
36 HR	0.142652	0.023875	0.021795	0.004073	0.000000	0.024182
48 HR	0.145137	0.006875	0.022219	0.001173	0.000000	0.011283
60 HR	0.145852	0.001980	0.022341	0.000338	0.000000	0.004998
72 HR	0.146058	0.000570	0.022376	0.000097	0.000000	0.002148
84 HR	0.146118	0.000164	0.022387	0.000028	0.000000	0.000905
96 HR	0.146135	0.000047	0.022389	0.000008	0.000000	0.000377
108 HR	0.146140	0.000014	0.022390	0.000002	0.000000	0.000156
120 HR	0.146141	0.000004	0.022391	0.000001	0.000000	0.000064
132 HR	0.146141	0.000001	0.022391	0.000000	0.	0.000026

SATURATED IODINE 0.146141
SATURATED XENON 0.022391

TIME HOURS	IODINE		MW/KG	2.50		SHUTDOWN TRANSIENT
	A	B	C	XENON		
	-----		-----		E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022410
5 SEC	0.000021	0.999856	0.000001	0.000144	0.999005	0.022429
10 SEC	0.000042	0.999712	0.000002	0.000288	0.998010	0.022447
30 SEC	0.000127	0.999136	0.000007	0.000862	0.994043	0.022523
60 SEC	0.000255	0.998272	0.000013	0.001717	0.988122	0.022636
2 MIN	0.000509	0.996548	0.000027	0.003411	0.976385	0.022861
5 MIN	0.001268	0.991392	0.000069	0.008356	0.942004	0.023534
10 MIN	0.002525	0.982857	0.000144	0.016155	0.887371	0.024640
30 MIN	0.007447	0.949448	0.000502	0.042417	0.698740	0.028889
60 MIN	0.014518	0.901452	0.001169	0.069912	0.468237	0.034759
2 HR	0.027605	0.812616	0.002755	0.097156	0.238375	0.044835
4 HR	0.050038	0.660345	0.006093	0.102110	0.056823	0.059335
8 HR	0.083080	0.436055	0.011549	0.073230	0.003229	0.072132
12 HR	0.104900	0.287946	0.015233	0.048687	0.000183	0.072010
24 HR	0.135105	0.082913	0.020343	0.014028	0.000000	0.047283
36 HR	0.143803	0.023875	0.021815	0.004039	0.000000	0.024366
48 HR	0.146307	0.006875	0.022238	0.001163	0.000000	0.011370
60 HR	0.147028	0.001980	0.022360	0.000335	0.000000	0.005037
72 HR	0.147236	0.000570	0.022395	0.000096	0.000000	0.002164
84 HR	0.147296	0.000164	0.022406	0.000028	0.000000	0.000912
96 HR	0.147313	0.000047	0.022408	0.000008	0.000000	0.000380
108 HR	0.147318	0.000014	0.022409	0.000002	0.000000	0.000157
120 HR	0.147319	0.000004	0.022410	0.000001	0.000000	0.000064
132 HR	0.147320	0.000001	0.022410	0.000000	0.	0.000026

SATURATED IODINE 0.147320
SATURATED XENON 0.022410

TIME HOURS	IODINE		MW/KG	2.52 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022428
5 SEC	0.000021	0.999856	0.000001	0.000144	0.999898	0.022447
10 SEC	0.000043	0.999712	0.000002	0.000288	0.997996	0.022466
30 SEC	0.000128	0.999136	0.000007	0.000862	0.994001	0.022543
60 SEC	0.000257	0.998272	0.000013	0.001717	0.988037	0.022657
2 MIN	0.000513	0.996548	0.000027	0.003411	0.976218	0.022884
5 MIN	0.001278	0.991392	0.000069	0.008354	0.941601	0.023562
10 MIN	0.002546	0.982857	0.000145	0.016149	0.886612	0.024678
30 MIN	0.007507	0.949448	0.000506	0.042366	0.696949	0.028965
60 MIN	0.014634	0.901452	0.001176	0.089751	0.485737	0.034888
2 HR	0.027826	0.812616	0.002768	0.096758	0.235941	0.045086
4 HR	0.050438	0.660345	0.006114	0.101456	0.055668	0.059691
8 HR	0.083745	0.436055	0.011571	0.072644	0.003099	0.072621
12 HR	0.105739	0.287946	0.015254	0.048284	0.000173	0.072521
24 HR	0.136186	0.082913	0.020362	0.013912	0.000000	0.047635
36 HR	0.144953	0.023875	0.021833	0.004006	0.000000	0.024550
48 HR	0.147478	0.006875	0.022257	0.001153	0.000000	0.011457
60 HR	0.148205	0.001980	0.022379	0.000332	0.000000	0.005076
72 HR	0.148414	0.000570	0.022414	0.000096	0.000000	0.002181
84 HR	0.148474	0.000164	0.022424	0.000028	0.000000	0.000919
96 HR	0.148492	0.000047	0.022427	0.000008	0.000000	0.000383
108 HR	0.148497	0.000014	0.022428	0.000002	0.000000	0.000158
120 HR	0.148498	0.000004	0.022428	0.000001	0.000000	0.000065
132 HR	0.148498	0.000001	0.022428	0.000000	0.	0.000027

SATURATED IODINE 0.148499
SATURATED XENON 0.022428

TIME HOURS	IODINE		MW/KG	2.54 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022447
5 SEC	0.000022	0.999856	0.000001	0.000144	0.998991	0.022466
10 SEC	0.000043	0.999712	0.000002	0.000288	0.997982	0.022485
30 SEC	0.000129	0.999136	0.000007	0.000862	0.993958	0.022562
60 SEC	0.000259	0.998272	0.000013	0.001717	0.987953	0.022677
2 MIN	0.000517	0.996548	0.000027	0.003411	0.976051	0.022907
5 MIN	0.001288	0.991392	0.000070	0.008352	0.941198	0.023591
10 MIN	0.002566	0.982857	0.000146	0.016142	0.885854	0.024717
30 MIN	0.007566	0.949448	0.000509	0.042314	0.695162	0.029042
60 MIN	0.014750	0.901452	0.001183	0.089591	0.483250	0.035017
2 HR	0.028047	0.812616	0.002782	0.096362	0.233531	0.045276
4 HR	0.050839	0.660345	0.006134	0.100809	0.054537	0.060047
8 HR	0.084410	0.436055	0.011593	0.072066	0.002974	0.073110
12 HR	0.106578	0.287946	0.015275	0.047889	0.000162	0.073032
24 HR	0.137267	0.082913	0.020382	0.013797	0.000000	0.047987
36 HR	0.146104	0.023875	0.021852	0.003973	0.000000	0.024735
48 HR	0.148648	0.006875	0.022276	0.001144	0.000000	0.011543
60 HR	0.149381	0.001980	0.022397	0.000329	0.000000	0.005114
72 HR	0.149592	0.000570	0.022433	0.000095	0.000000	0.002198
84 HR	0.149653	0.000164	0.022443	0.000027	0.000000	0.000926
96 HR	0.149670	0.000047	0.022446	0.000008	0.000000	0.000386
108 HR	0.149675	0.000014	0.022446	0.000002	0.000000	0.000159
120 HR	0.149677	0.000004	0.022447	0.000001	0.000000	0.000065
132 HR	0.149677	0.000001	0.022447	0.000000	0.	0.000027

SATURATED IODINE 0.149677
SATURATED XENON 0.022447

TIME HOURS	IODINE		MW/KG	2.56 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022465
5 SEC	0.000022	0.999856	0.000001	0.000144	0.998984	0.022484
10 SEC	0.000043	0.999712	0.000002	0.000288	0.997968	0.022504
30 SEC	0.000130	0.999136	0.000007	0.000862	0.993916	0.022581
60 SEC	0.000261	0.998272	0.000013	0.001717	0.987868	0.022697
2 MIN	0.000521	0.996548	0.000027	0.003410	0.975884	0.022929
5 MIN	0.001299	0.991392	0.000070	0.008351	0.940796	0.023619
10 MIN	0.002586	0.982857	0.000147	0.016135	0.885098	0.024755
30 MIN	0.007626	0.949448	0.000513	0.042263	0.693380	0.029118
60 MIN	0.014867	0.901452	0.001190	0.089431	0.480776	0.035146
2 HR	0.028268	0.812616	0.002795	0.095969	0.231146	0.045496
4 HR	0.051239	0.660345	0.006154	0.100169	0.053428	0.060402
8 HR	0.085074	0.436055	0.011615	0.071498	0.002855	0.073599
12 HR	0.107417	0.287946	0.015296	0.047499	0.000153	0.073543
24 HR	0.138348	0.082913	0.020401	0.013684	0.000000	0.048339
36 HR	0.147254	0.023875	0.021871	0.003940	0.000000	0.024919
48 HR	0.149819	0.006875	0.022294	0.001135	0.000000	0.011630
60 HR	0.150557	0.001980	0.022416	0.000327	0.000000	0.005153
72 HR	0.150770	0.000570	0.022451	0.000094	0.000000	0.002214
84 HR	0.150831	0.000164	0.022461	0.000027	0.000000	0.000933
96 HR	0.150849	0.000047	0.022464	0.000008	0.000000	0.000389
108 HR	0.150854	0.000014	0.022465	0.000002	0.000000	0.000160
120 HR	0.150855	0.000004	0.022465	0.000001	0.000000	0.000066
132 HR	0.150856	0.000001	0.022465	0.000000	0.	0.000027

SATURATED IODINE 0.150856
SATURATED XENON 0.022465

TIME HOURS	IODINE		MW/KG	2.58 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022483
5 SEC	0.000022	0.999856	0.000001	0.000144	0.998977	0.022502
10 SEC	0.000044	0.999712	0.000002	0.000288	0.997953	0.022522
30 SEC	0.000131	0.999136	0.000007	0.000862	0.993873	0.022600
60 SEC	0.000263	0.998272	0.000014	0.001717	0.987784	0.022717
2 MIN	0.000525	0.996548	0.000027	0.003410	0.975717	0.022951
5 MIN	0.001309	0.991392	0.000071	0.008349	0.940393	0.023647
10 MIN	0.002606	0.982857	0.000148	0.016128	0.884339	0.024792
30 MIN	0.007686	0.949448	0.000516	0.042212	0.691603	0.029193
60 MIN	0.014983	0.901452	0.001197	0.089271	0.478315	0.035274
2 HR	0.028489	0.812616	0.002808	0.095578	0.228785	0.045716
4 HR	0.051639	0.660345	0.006173	0.099535	0.052343	0.060757
8 HR	0.085739	0.436055	0.011636	0.070937	0.002740	0.074088
12 HR	0.108257	0.287946	0.015316	0.047116	0.000143	0.074053
24 HR	0.139429	0.082913	0.020419	0.013574	0.000000	0.048691
36 HR	0.148405	0.023875	0.021889	0.003908	0.000000	0.025103
48 HR	0.150989	0.006875	0.022312	0.001125	0.000000	0.011716
60 HR	0.151733	0.001980	0.022434	0.000324	0.000000	0.005191
72 HR	0.151948	0.000570	0.022469	0.000093	0.000000	0.002231
84 HR	0.152009	0.000164	0.022479	0.000027	0.000000	0.000940
96 HR	0.152027	0.000047	0.022482	0.000008	0.000000	0.000391
108 HR	0.152032	0.000014	0.022483	0.000002	0.000000	0.000162
120 HR	0.152034	0.000004	0.022483	0.000001	0.	0.000066
132 HR	0.152034	0.000001	0.022483	0.000000	0.	0.000027

SATURATED IODINE 0.152034
SATURATED XENON 0.022483

TIME HOURS	IODINE		MW/KG	2.60 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022501
5 SEC	0.000022	0.999856	0.000001	0.000144	0.998970	0.022520
10 SEC	0.000044	0.999712	0.000002	0.000288	0.997939	0.022540
30 SEC	0.000132	0.999136	0.000007	0.000861	0.993831	0.022619
60 SEC	0.000265	0.998272	0.000014	0.001717	0.987699	0.022737
2 MIN	0.000529	0.996548	0.000028	0.003410	0.975550	0.022972
5 MIN	0.001319	0.991392	0.000071	0.008347	0.939991	0.023675
10 MIN	0.002626	0.982857	0.000149	0.016121	0.883583	0.024830
30 MIN	0.007745	0.949448	0.000519	0.042160	0.689830	0.029269
60 MIN	0.015099	0.901452	0.001204	0.069112	0.475866	0.035403
2 HR	0.028710	0.812616	0.002821	0.095190	0.226448	0.045936
4 HR	0.052040	0.660345	0.006193	0.098908	0.051279	0.061113
8 HR	0.086404	0.436055	0.011657	0.070385	0.002630	0.074576
12 HR	0.109096	0.287946	0.015337	0.046739	0.000135	0.074564
24 HR	0.140510	0.082913	0.020438	0.013465	0.000000	0.049042
36 HR	0.149555	0.023875	0.021907	0.003877	0.000000	0.025287
48 HR	0.152160	0.006875	0.022330	0.001116	0.000000	0.011803
60 HR	0.152910	0.001980	0.022451	0.000321	0.000000	0.005230
72 HR	0.153126	0.000570	0.022486	0.000093	0.000000	0.002247
84 HR	0.153188	0.000164	0.022496	0.000027	0.000000	0.000947
96 HR	0.153206	0.000047	0.022499	0.000008	0.000000	0.000394
108 HR	0.153211	0.000014	0.022500	0.000002	0.000000	0.000163
120 HR	0.153212	0.000004	0.022500	0.000001	0.	0.000067
132 HR	0.153213	0.000001	0.022501	0.000000	0.	0.000027

SATURATED IODINE 0.153213
SATURATED XENON 0.022501

TIME HOURS	IODINE		MW/KG	2.62 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022518
5 SEC	0.000022	0.999856	0.000001	0.000144	0.998963	0.022538
10 SEC	0.000044	0.999712	0.000002	0.000288	0.997925	0.022558
30 SEC	0.000133	0.999136	0.000007	0.000861	0.993788	0.022637
60 SEC	0.000267	0.998272	0.000014	0.001717	0.987615	0.022756
2 MIN	0.000533	0.996548	0.000028	0.003410	0.975383	0.022994
5 MIN	0.001329	0.991392	0.000072	0.008345	0.939589	0.023702
10 MIN	0.002647	0.982857	0.000151	0.016115	0.882827	0.024867
30 MIN	0.007805	0.949448	0.000523	0.042109	0.688062	0.029344
60 MIN	0.015215	0.901452	0.001211	0.068954	0.473430	0.035531
2 HR	0.028931	0.812616	0.002834	0.094804	0.224135	0.046155
4 HR	0.052440	0.660345	0.006212	0.098288	0.050237	0.061467
8 HR	0.087068	0.436055	0.011678	0.069841	0.002524	0.075065
12 HR	0.109935	0.287946	0.015356	0.046367	0.000127	0.075075
24 HR	0.141590	0.082913	0.020456	0.013357	0.000000	0.049394
36 HR	0.150705	0.023875	0.021924	0.003846	0.000000	0.025471
48 HR	0.153330	0.006875	0.022347	0.001107	0.000000	0.011890
60 HR	0.154086	0.001980	0.022469	0.000319	0.000000	0.005268
72 HR	0.154303	0.000570	0.022504	0.000092	0.000000	0.002264
84 HR	0.154366	0.000164	0.022514	0.000026	0.000000	0.000954
96 HR	0.154384	0.000047	0.022517	0.000008	0.000000	0.000397
108 HR	0.154389	0.000014	0.022518	0.000002	0.000000	0.000164
120 HR	0.154391	0.000004	0.022518	0.000001	0.	0.000067
132 HR	0.154391	0.000001	0.022518	0.000000	0.	0.000028

SATURATED IODINE 0.154391
SATURATED XENON 0.022518

TIME HOURS	IODINE		MW/KG	2.64 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022535
5 SEC	0.000022	0.999856	0.000001	0.000144	0.998956	0.022555
10 SEC	0.000045	0.999712	0.000002	0.000288	0.997911	0.022575
30 SEC	0.000134	0.999136	0.000007	0.000861	0.993746	0.022655
60 SEC	0.000269	0.998272	0.000014	0.001717	0.987530	0.022776
2 MIN	0.000537	0.996548	0.000028	0.003409	0.975216	0.023015
5 MIN	0.001339	0.991392	0.000072	0.008344	0.939187	0.023729
10 MIN	0.002667	0.982857	0.000152	0.016108	0.882072	0.024904
30 MIN	0.007864	0.949448	0.000526	0.042058	0.686299	0.029419
60 MIN	0.015331	0.901452	0.001218	0.068796	0.471006	0.035658
2 HR	0.029151	0.812616	0.002847	0.094420	0.221846	0.046375
4 HR	0.052840	0.660345	0.006231	0.097674	0.049216	0.061822
8 HR	0.087733	0.436055	0.011699	0.069305	0.002422	0.075563
12 HR	0.110774	0.287946	0.015376	0.046002	0.000119	0.075585
24 HR	0.142671	0.082913	0.020474	0.013252	0.000000	0.049746
36 HR	0.151858	0.023875	0.021942	0.003816	0.000000	0.025656
48 HR	0.154500	0.006875	0.022364	0.001099	0.000000	0.011976
60 HR	0.155262	0.001980	0.022486	0.000316	0.000000	0.005307
72 HR	0.155481	0.000570	0.022521	0.000091	0.000000	0.002281
84 HR	0.155544	0.000164	0.022531	0.000026	0.000000	0.000961
96 HR	0.155563	0.000047	0.022534	0.000008	0.000000	0.000400
108 HR	0.155568	0.000014	0.022535	0.000002	0.000000	0.000165
120 HR	0.155569	0.000004	0.022535	0.000001	0.	0.000068
132 HR	0.155570	0.000001	0.022535	0.000000	0.	0.000028

SATURATED IODINE 0.155570
SATURATED XENON 0.022535

TIME HOURS	IODINE		MW/KG	2.66 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022552
5 SEC	0.000023	0.999856	0.000001	0.000144	0.998948	0.022572
10 SEC	0.000045	0.999712	0.000002	0.000288	0.997896	0.022593
30 SEC	0.000135	0.999136	0.000007	0.000861	0.993703	0.022673
60 SEC	0.000271	0.998272	0.000014	0.001717	0.987446	0.022795
2 MIN	0.000541	0.996548	0.000028	0.003409	0.975050	0.023036
5 MIN	0.001349	0.991392	0.000073	0.008342	0.938786	0.023756
10 MIN	0.002687	0.982857	0.000153	0.016101	0.881318	0.024941
30 MIN	0.007924	0.949448	0.000530	0.042007	0.684539	0.029494
60 MIN	0.015447	0.901452	0.001225	0.068639	0.468594	0.035786
2 HR	0.029372	0.812616	0.002860	0.094038	0.219580	0.046594
4 HR	0.053241	0.660345	0.006250	0.097066	0.048216	0.062177
8 HR	0.088398	0.436055	0.011719	0.068777	0.002325	0.076041
12 HR	0.111613	0.287946	0.015395	0.045642	0.000112	0.076095
24 HR	0.143752	0.082913	0.020491	0.013148	0.000000	0.050097
36 HR	0.153008	0.023875	0.021959	0.003786	0.000000	0.025840
48 HR	0.155671	0.006875	0.022381	0.001090	0.000000	0.012063
60 HR	0.156438	0.001980	0.022503	0.000314	0.000000	0.005345
72 HR	0.156659	0.000570	0.022538	0.000090	0.000000	0.002297
84 HR	0.156723	0.000164	0.022548	0.000026	0.000000	0.000968
96 HR	0.156741	0.000047	0.022551	0.000007	0.000000	0.000403
108 HR	0.156746	0.000014	0.022552	0.000002	0.000000	0.000166
120 HR	0.156748	0.000004	0.022552	0.000001	0.	0.000068
132 HR	0.156748	0.000001	0.022552	0.000000	0.	0.000028

SATURATED IODINE 0.156749
SATURATED XENON 0.022552

TIME HOURS	MW/KG		2.68		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000023	0.999856	0.000001	0.000144	0.998941
10 SEC	0.000046	0.999712	0.000002	0.000288	0.997882
30 SEC	0.000136	0.999136	0.000007	0.000861	0.993661
60 SEC	0.000273	0.998272	0.000014	0.001717	0.987361
2 MIN	0.000545	0.996548	0.000029	0.003409	0.974883
5 MIN	0.001359	0.991392	0.000073	0.008340	0.938384
10 MIN	0.002707	0.982857	0.000154	0.016094	0.880564
30 MIN	0.007983	0.949448	0.000533	0.041956	0.682785
60 MIN	0.015563	0.901452	0.001232	0.068482	0.466195
2 HR	0.029593	0.812616	0.002873	0.093659	0.217338
4 HR	0.053641	0.660345	0.006268	0.096465	0.047236
8 HR	0.089062	0.436055	0.011739	0.068256	0.002231
12 HR	0.112453	0.287946	0.015414	0.045288	0.000105
24 HR	0.144833	0.082913	0.020509	0.013045	0.000000
36 HR	0.154157	0.023875	0.021976	0.003756	0.000000
48 HR	0.156841	0.006875	0.022398	0.001082	0.000000
60 HR	0.157614	0.001980	0.022520	0.000311	0.000000
72 HR	0.157837	0.000570	0.022555	0.000090	0.000000
84 HR	0.157901	0.000164	0.022565	0.000026	0.000000
96 HR	0.157920	0.000047	0.022568	0.000007	0.000000
108 HR	0.157925	0.000014	0.022569	0.000002	0.000000
120 HR	0.157926	0.000004	0.022569	0.000001	0.
132 HR	0.157927	0.000001	0.022569	0.000000	0.

SATURATED IODINE 0.157927
SATURATED XENON 0.022569

TIME HOURS	MW/KG		2.70		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000023	0.999856	0.000001	0.000144	0.998934
10 SEC	0.000046	0.999712	0.000002	0.000288	0.997868
30 SEC	0.000137	0.999136	0.000007	0.000861	0.993618
60 SEC	0.000275	0.998272	0.000014	0.001717	0.987277
2 MIN	0.000549	0.996548	0.000029	0.003408	0.974716
5 MIN	0.001370	0.991392	0.000074	0.008338	0.937983
10 MIN	0.002728	0.982857	0.000155	0.016088	0.879811
30 MIN	0.008043	0.949448	0.000537	0.041905	0.681035
60 MIN	0.015680	0.901452	0.001239	0.068326	0.463808
2 HR	0.029814	0.812616	0.002885	0.093282	0.215118
4 HR	0.054041	0.660345	0.006287	0.095869	0.046276
8 HR	0.089727	0.436055	0.011759	0.067743	0.002141
12 HR	0.113292	0.287946	0.015433	0.044939	0.000099
24 HR	0.145914	0.082913	0.020526	0.012945	0.000000
36 HR	0.155307	0.023875	0.021992	0.003727	0.000000
48 HR	0.158012	0.006875	0.022415	0.001073	0.000000
60 HR	0.158791	0.001980	0.022536	0.000309	0.000000
72 HR	0.159015	0.000570	0.022571	0.000089	0.000000
84 HR	0.159080	0.000164	0.022581	0.000026	0.000000
96 HR	0.159098	0.000047	0.022584	0.000007	0.000000
108 HR	0.159103	0.000014	0.022585	0.000002	0.000000
120 HR	0.159105	0.000004	0.022585	0.000001	0.
132 HR	0.159105	0.000001	0.022585	0.000000	0.

SATURATED IODINE 0.159106
SATURATED XENON 0.022585

TIME HOURS	MW/KG		2.72		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000023	0.999856	0.000001	0.000144	0.998927
10 SEC	0.000046	0.999712	0.000002	0.000288	0.997854
30 SEC	0.000139	0.999136	0.000007	0.000861	0.993576
60 SEC	0.000277	0.998272	0.000014	0.001717	0.987192
2 MIN	0.000553	0.996548	0.000029	0.003408	0.974549
5 MIN	0.001360	0.991392	0.000075	0.008336	0.937582
10 MIN	0.002748	0.982857	0.000156	0.016081	0.879059
30 MIN	0.008103	0.949448	0.000540	0.041854	0.679289
60 MIN	0.015796	0.901452	0.001246	0.068170	0.461434
2 HR	0.030035	0.812616	0.002898	0.092908	0.212921
4 HR	0.054441	0.660345	0.006305	0.095280	0.045335
8 HR	0.090392	0.436055	0.011778	0.067237	0.002055
12 HR	0.114131	0.287946	0.015452	0.044596	0.000093
24 HR	0.146995	0.082913	0.020543	0.012845	0.000000
36 HR	0.156458	0.023875	0.022009	0.003699	0.000000
48 HR	0.159182	0.006875	0.022431	0.001065	0.000000
60 HR	0.159967	0.001980	0.022553	0.000307	0.000000
72 HR	0.160193	0.000570	0.022588	0.000088	0.000000
84 HR	0.160258	0.000164	0.022598	0.000025	0.000000
96 HR	0.160277	0.000047	0.022601	0.000007	0.000000
108 HR	0.160282	0.000014	0.022601	0.000002	0.000000
120 HR	0.160284	0.000004	0.022602	0.000001	0.
132 HR	0.160284	0.000001	0.022602	0.000000	0.

SATURATED IODINE 0.160284
SATURATED XENON 0.022602

TIME HOURS	MW/KG		2.74		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000023	0.999856	0.000001	0.000144	0.998920
10 SEC	0.000047	0.999712	0.000002	0.000288	0.997840
30 SEC	0.000140	0.999136	0.000007	0.000861	0.993533
60 SEC	0.000279	0.998272	0.000014	0.001717	0.987108
2 MIN	0.000557	0.996548	0.000029	0.003408	0.974382
5 MIN	0.001390	0.991392	0.000075	0.008335	0.937181
10 MIN	0.002768	0.982857	0.000157	0.016074	0.878307
30 MIN	0.008162	0.949448	0.000543	0.041804	0.677548
60 MIN	0.015912	0.901452	0.001253	0.068015	0.459071
2 HR	0.030256	0.812616	0.002910	0.092535	0.210746
4 HR	0.054842	0.660345	0.006323	0.094697	0.044414
8 HR	0.091056	0.436055	0.011797	0.066739	0.001973
12 HR	0.114970	0.287946	0.015470	0.044257	0.000088
24 HR	0.148075	0.082913	0.020560	0.012748	0.000000
36 HR	0.157608	0.023875	0.022025	0.003671	0.000000
48 HR	0.160353	0.006875	0.022447	0.001057	0.000000
60 HR	0.161143	0.001980	0.022569	0.000304	0.000000
72 HR	0.161371	0.000570	0.022604	0.000088	0.000000
84 HR	0.161438	0.000164	0.022614	0.000025	0.000000
96 HR	0.161455	0.000047	0.022617	0.000007	0.000000
108 HR	0.161461	0.000014	0.022617	0.000002	0.000000
120 HR	0.161462	0.000004	0.022618	0.000001	0.
132 HR	0.161463	0.000001	0.022618	0.000000	0.

SATURATED IODINE 0.161463
SATURATED XENON 0.022618

TIME HOURS	IODINE		MW/KG	2.76 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022634
5 SEC	0.000023	0.999856	0.000001	0.000144	0.9998913	0.022655
10 SEC	0.000047	0.999712	0.000002	0.000288	0.997825	0.022676
30 SEC	0.000141	0.999136	0.000007	0.000861	0.993491	0.022760
60 SEC	0.000281	0.998272	0.000015	0.001716	0.987023	0.022886
2 MIN	0.000561	0.996548	0.000029	0.003408	0.974216	0.023138
5 MIN	0.001400	0.991392	0.000076	0.008333	0.936780	0.023888
10 MIN	0.002788	0.982857	0.000158	0.016067	0.877556	0.025122
30 MIN	0.008222	0.949448	0.000547	0.041753	0.675811	0.029865
60 MIN	0.016028	0.901452	0.001260	0.087860	0.456721	0.036420
2 HR	0.030476	0.812616	0.002923	0.092165	0.208594	0.047686
4 HR	0.055242	0.660345	0.006341	0.094120	0.043511	0.063947
8 HR	0.091721	0.436055	0.011816	0.066247	0.001893	0.078480
12 HR	0.115809	0.287946	0.015488	0.043924	0.000082	0.078646
24 HR	0.149156	0.082913	0.020576	0.012651	0.000000	0.051855
36 HR	0.158758	0.023875	0.022041	0.003643	0.000000	0.026760
48 HR	0.161523	0.006875	0.022463	0.001049	0.000000	0.012496
60 HR	0.162319	0.001980	0.022585	0.000302	0.000000	0.005538
72 HR	0.162549	0.000570	0.022620	0.000087	0.000000	0.002380
84 HR	0.162615	0.000164	0.022630	0.000025	0.000000	0.001003
96 HR	0.162634	0.000047	0.022632	0.000007	0.000000	0.000418
108 HR	0.162639	0.000014	0.022633	0.000002	0.000000	0.000172
120 HR	0.162641	0.000004	0.022634	0.000001	0.	0.000071
132 HR	0.162641	0.000001	0.022634	0.000000	0.	0.000029

SATURATED IODINE 0.162641
SATURATED XENON 0.022634

TIME HOURS	IODINE		MW/KG	2.78 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022649
5 SEC	0.000024	0.999856	0.000001	0.000144	0.998906	0.022671
10 SEC	0.000047	0.999712	0.000002	0.000288	0.997811	0.022692
30 SEC	0.000142	0.999136	0.000007	0.000861	0.993448	0.022777
60 SEC	0.000283	0.998272	0.000015	0.001716	0.986939	0.022904
2 MIN	0.000566	0.996548	0.000030	0.003407	0.974049	0.023157
5 MIN	0.001410	0.991392	0.000076	0.008331	0.936380	0.023913
10 MIN	0.002808	0.982857	0.000159	0.016061	0.876806	0.025167
30 MIN	0.008281	0.949448	0.000550	0.041703	0.674079	0.029938
60 MIN	0.016144	0.901452	0.001266	0.087705	0.454382	0.036547
2 HR	0.030697	0.812616	0.002935	0.091797	0.206463	0.047904
4 HR	0.055642	0.660345	0.006359	0.093549	0.042627	0.064301
8 HR	0.092385	0.436055	0.011835	0.065762	0.001817	0.078968
12 HR	0.116649	0.287946	0.015506	0.043596	0.000077	0.079156
24 HR	0.150237	0.082913	0.020592	0.012557	0.000000	0.052207
36 HR	0.159909	0.023875	0.022057	0.003616	0.000000	0.026944
48 HR	0.162694	0.006875	0.022479	0.001041	0.000000	0.012582
60 HR	0.163496	0.001980	0.022600	0.000300	0.000000	0.005576
72 HR	0.163727	0.000570	0.022635	0.000086	0.000000	0.002397
84 HR	0.163793	0.000164	0.022645	0.000025	0.000000	0.001010
96 HR	0.163812	0.000047	0.022648	0.000007	0.000000	0.000421
108 HR	0.163818	0.000014	0.022649	0.000002	0.000000	0.000174
120 HR	0.163819	0.000004	0.022649	0.000001	0.	0.000071
132 HR	0.163820	0.000001	0.022649	0.000000	0.	0.000029

SATURATED IODINE 0.163820
SATURATED XENON 0.022649

TIME HOURS	IODINE		MW/KG	2.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022665
5 SEC	0.000024	0.999856	0.000001	0.000144	0.998899	0.022686
10 SEC	0.000048	0.999712	0.000002	0.000288	0.997797	0.022708
30 SEC	0.000143	0.999136	0.000007	0.000861	0.993406	0.022793
60 SEC	0.000285	0.998272	0.000015	0.001716	0.986854	0.022921
2 MIN	0.000570	0.996548	0.000030	0.003407	0.973882	0.023177
5 MIN	0.001420	0.991392	0.000077	0.008329	0.935979	0.023939
10 MIN	0.002829	0.982857	0.000160	0.016054	0.876056	0.025193
30 MIN	0.008341	0.949448	0.000594	0.041652	0.672351	0.030011
60 MIN	0.016260	0.901452	0.001273	0.067552	0.452056	0.036673
2 HR	0.030918	0.812616	0.002947	0.091432	0.204355	0.048122
4 HR	0.056043	0.660345	0.006376	0.092983	0.041761	0.064654
8 HR	0.093050	0.436055	0.011854	0.065284	0.001744	0.079455
12 HR	0.117488	0.287946	0.015523	0.043272	0.000073	0.079665
24 HR	0.151318	0.082913	0.020608	0.012463	0.000000	0.052558
36 HR	0.161059	0.023875	0.022073	0.003589	0.000000	0.027128
48 HR	0.163864	0.006875	0.022494	0.001033	0.000000	0.012669
60 HR	0.164672	0.001980	0.022616	0.000298	0.000000	0.005615
72 HR	0.164904	0.000570	0.022651	0.000086	0.000000	0.002413
84 HR	0.164971	0.000164	0.022661	0.000025	0.000000	0.001018
96 HR	0.164991	0.000047	0.022664	0.000007	0.000000	0.000424
108 HR	0.164996	0.000014	0.022664	0.000002	0.000000	0.000175
120 HR	0.164998	0.000004	0.022665	0.000001	0.	0.000072
132 HR	0.164998	0.000001	0.022665	0.000000	0.	0.000029

SATURATED IODINE 0.164998
SATURATED XENON 0.022665

TIME HOURS	IODINE		MW/KG	2.82 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022680
5 SEC	0.000024	0.999856	0.000001	0.000144	0.998892	0.022702
10 SEC	0.000048	0.999712	0.000002	0.000288	0.997783	0.022723
30 SEC	0.000144	0.999136	0.000007	0.000861	0.993363	0.022809
60 SEC	0.000287	0.998272	0.000015	0.001716	0.986770	0.022939
2 MIN	0.000574	0.996548	0.000030	0.003407	0.973716	0.023196
5 MIN	0.001431	0.991392	0.000077	0.008328	0.935579	0.023964
10 MIN	0.002849	0.982857	0.000161	0.016047	0.875307	0.025228
30 MIN	0.008401	0.949448	0.000557	0.041602	0.670628	0.030085
60 MIN	0.016378	0.901452	0.001280	0.067398	0.449742	0.036799
2 HR	0.031139	0.812616	0.002959	0.091068	0.202267	0.048340
4 HR	0.056443	0.660345	0.006394	0.092423	0.040912	0.065008
8 HR	0.093715	0.436055	0.011872	0.064813	0.001674	0.079943
12 HR	0.118327	0.287946	0.015541	0.042953	0.000068	0.080175
24 HR	0.152399	0.082913	0.020624	0.012371	0.000000	0.052909
36 HR	0.162210	0.023875	0.022088	0.003562	0.000000	0.027312
48 HR	0.165035	0.006875	0.022510	0.001026	0.000000	0.012755
60 HR	0.165848	0.001980	0.022631	0.000295	0.000000	0.005653
72 HR	0.166082	0.000570	0.022666	0.000085	0.000000	0.002430
84 HR	0.166150	0.000164	0.022676	0.000024	0.000000	0.001025
96 HR	0.166169	0.000047	0.022679	0.000007	0.000000	0.000427
108 HR	0.166175	0.000014	0.022680	0.000002	0.000000	0.000176
120 HR	0.166176	0.000004	0.022680	0.000001	0.	0.000072
132 HR	0.166177	0.000001	0.022680	0.000000	0.	0.000030

SATURATED IODINE 0.166177
SATURATED XENON 0.022680

TIME HOURS	A	B	MM/KG	C	2.84 XENON D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	1.000000	0.000001	0.000144	1.000000	0.022695	
5 SEC	0.999856	0.999856	0.000002	0.000288	0.999856	0.022717	
10 SEC	0.999712	0.999712	0.000003	0.000432	0.999712	0.022739	
30 SEC	0.999136	0.999136	0.000007	0.000864	0.999136	0.022825	
60 SEC	0.998272	0.998272	0.000015	0.001716	0.998272	0.022956	
2 MIN	0.996548	0.996548	0.000030	0.003436	0.996548	0.023115	
5 MIN	0.991392	0.991392	0.000078	0.008326	0.991392	0.023819	
10 MIN	0.982857	0.982857	0.000162	0.016640	0.982857	0.025263	
30 MIN	0.949448	0.949448	0.000360	0.041552	0.949448	0.030158	
60 MIN	0.808460	0.808460	0.001287	0.067245	0.808460	0.034825	
2 HR	0.616493	0.616493	0.002971	0.090707	0.616493	0.048357	
4 HR	0.431360	0.431360	0.006411	0.091869	0.431360	0.063361	
8 HR	0.287946	0.287946	0.011890	0.064348	0.287946	0.080430	
12 HR	0.199166	0.199166	0.015558	0.042639	0.199166	0.083261	
24 HR	0.153860	0.153860	0.020640	0.012281	0.153860	0.053261	
36 HR	0.163360	0.163360	0.023875	0.003336	0.163360	0.027496	
48 HR	0.166205	0.166205	0.022825	0.001018	0.166205	0.012842	
60 HR	0.167024	0.167024	0.022646	0.000293	0.167024	0.005692	
72 HR	0.167260	0.167260	0.022681	0.000084	0.167260	0.001332	
84 HR	0.167328	0.167328	0.022691	0.000024	0.167328	0.000429	
96 HR	0.167348	0.167348	0.022694	0.000007	0.167348	0.000177	
108 HR	0.167353	0.167353	0.022695	0.000002	0.167353	0.000073	
120 HR	0.167355	0.167355	0.022695	0.000001	0.167355	0.000030	
132 HR	0.167355	0.167355	0.022695	0.000000	0.167355	0.000000	

SATURATED IODINE
SATURATED XENON

0.167356
0.022695

TIME HOURS	A	B	MM/KG	C	2.88 XENON D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	1.000000	0.000001	0.000144	1.000000	0.022725	
5 SEC	0.999856	0.999856	0.000003	0.000288	0.999856	0.022747	
10 SEC	0.999712	0.999712	0.000008	0.000576	0.999712	0.022769	
30 SEC	0.999136	0.999136	0.000015	0.001152	0.999136	0.022857	
60 SEC	0.998272	0.998272	0.000030	0.002304	0.998272	0.022889	
2 MIN	0.996548	0.996548	0.000060	0.004608	0.996548	0.023353	
5 MIN	0.991392	0.991392	0.000120	0.009216	0.991392	0.024039	
10 MIN	0.982857	0.982857	0.000240	0.018432	0.982857	0.025332	
30 MIN	0.949448	0.949448	0.000520	0.046080	0.949448	0.030303	
60 MIN	0.808460	0.808460	0.001040	0.092160	0.808460	0.037176	
2 HR	0.616493	0.616493	0.002080	0.091869	0.616493	0.053176	
4 HR	0.431360	0.431360	0.004160	0.064348	0.431360	0.066941	
8 HR	0.287946	0.287946	0.006320	0.042639	0.287946	0.080430	
12 HR	0.199166	0.199166	0.008480	0.025261	0.199166	0.083261	
24 HR	0.153860	0.153860	0.012281	0.003336	0.153860	0.053261	
36 HR	0.163360	0.163360	0.023875	0.001018	0.163360	0.027496	
48 HR	0.166205	0.166205	0.022825	0.000293	0.166205	0.012842	
60 HR	0.167024	0.167024	0.022646	0.000084	0.167024	0.005692	
72 HR	0.167260	0.167260	0.022681	0.000024	0.167260	0.001332	
84 HR	0.167328	0.167328	0.022691	0.000007	0.167328	0.000429	
96 HR	0.167348	0.167348	0.022694	0.000002	0.167348	0.000177	
108 HR	0.167353	0.167353	0.022695	0.000001	0.167353	0.000073	
120 HR	0.167355	0.167355	0.022695	0.000000	0.167355	0.000030	
132 HR	0.167355	0.167355	0.022695	0.000000	0.167355	0.000000	

SATURATED IODINE
SATURATED XENON

0.167356
0.022695

TIME HOURS	A	B	MM/KG	C	2.90 XENON D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	1.000000	0.000001	0.000144	1.000000	0.022739	
5 SEC	0.999856	0.999856	0.000003	0.000288	0.999856	0.022761	
10 SEC	0.999712	0.999712	0.000008	0.000576	0.999712	0.022784	
30 SEC	0.999136	0.999136	0.000015	0.001152	0.999136	0.022873	
60 SEC	0.998272	0.998272	0.000030	0.002304	0.998272	0.023006	
2 MIN	0.996548	0.996548	0.000060	0.004608	0.996548	0.023271	
5 MIN	0.991392	0.991392	0.000120	0.009216	0.991392	0.023717	
10 MIN	0.982857	0.982857	0.000240	0.018432	0.982857	0.024303	
30 MIN	0.949448	0.949448	0.000520	0.046080	0.949448	0.025375	
60 MIN	0.808460	0.808460	0.001040	0.092160	0.808460	0.030303	
2 HR	0.616493	0.616493	0.002080	0.091869	0.616493	0.044062	
4 HR	0.431360	0.431360	0.004160	0.064348	0.431360	0.066941	
8 HR	0.287946	0.287946	0.006320	0.042639	0.287946	0.080430	
12 HR	0.199166	0.199166	0.008480	0.025261	0.199166	0.083261	
24 HR	0.153860	0.153860	0.012281	0.003336	0.153860	0.053261	
36 HR	0.163360	0.163360	0.023875	0.001018	0.163360	0.027496	
48 HR	0.166205	0.166205	0.022825	0.000293	0.166205	0.012842	
60 HR	0.167024	0.167024	0.022646	0.000084	0.167024	0.005692	
72 HR	0.167260	0.167260	0.022681	0.000024	0.167260	0.001332	
84 HR	0.167328	0.167328	0.022691	0.000007	0.167328	0.000429	
96 HR	0.167348	0.167348	0.022694	0.000002	0.167348	0.000177	
108 HR	0.167353	0.167353	0.022695	0.000001	0.167353	0.000073	
120 HR	0.167355	0.167355	0.022695	0.000000	0.167355	0.000030	
132 HR	0.167355	0.167355	0.022695	0.000000	0.167355	0.000000	

SATURATED IODINE
SATURATED XENON

0.170891
0.022739

TIME HOURS	IODINE		MW/KG	2.92		SHUTDOWN TRANSIENT
	A	B	C	XENON	E	
				D		
0 SEC	0.	1.000000	0.	0.	1.000000	0.022754
5 SEC	0.000025	0.999856	0.000001	0.000144	0.998856	0.022776
10 SEC	0.000050	0.999712	0.000003	0.000288	0.997711	0.022798
30 SEC	0.000149	0.999136	0.000008	0.000861	0.993151	0.022888
60 SEC	0.000297	0.998272	0.000015	0.001716	0.986348	0.023022
2 MIN	0.000594	0.996548	0.000031	0.003405	0.972883	0.023290
5 MIN	0.001481	0.991392	0.000080	0.008319	0.933580	0.024088
10 MIN	0.002950	0.982857	0.000167	0.016014	0.871571	0.025401
30 MIN	0.008698	0.949448	0.000574	0.041351	0.662077	0.030448
60 MIN	0.016957	0.901452	0.001313	0.066639	0.438346	0.037426
2 HR	0.032243	0.812616	0.003019	0.089283	0.192147	0.049425
4 HR	0.058444	0.660345	0.006477	0.089708	0.036920	0.066772
8 HR	0.097038	0.436055	0.011960	0.062550	0.001363	0.082377
12 HR	0.122523	0.287946	0.015624	0.041427	0.000050	0.082722
24 HR	0.157803	0.082913	0.020701	0.011931	0.000000	0.054666
36 HR	0.167962	0.023875	0.022162	0.003435	0.000000	0.028232
48 HR	0.170887	0.006875	0.022583	0.000989	0.000000	0.013188
60 HR	0.171729	0.001980	0.022704	0.000285	0.000000	0.005846
72 HR	0.171972	0.000570	0.022739	0.000082	0.000000	0.002513
84 HR	0.172042	0.000164	0.022749	0.000024	0.000000	0.001060
96 HR	0.172062	0.000047	0.022752	0.000007	0.000000	0.000441
108 HR	0.172067	0.000014	0.022753	0.000002	0.	0.000182
120 HR	0.172069	0.000004	0.022753	0.000001	0.	0.000075
132 HR	0.172070	0.000001	0.022753	0.000000	0.	0.000031

SATURATED IODINE 0.172070
SATURATED XENON 0.022754

TIME HOURS	IODINE		MW/KG	2.94		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022768
5 SEC	0.000025	0.999856	0.000001	0.000144	0.998849	0.022790
10 SEC	0.000050	0.999712	0.000003	0.000288	0.997697	0.022813
30 SEC	0.000150	0.999136	0.000008	0.000861	0.993108	0.022903
60 SEC	0.000299	0.998272	0.000015	0.001716	0.986264	0.023038
2 MIN	0.000598	0.996548	0.000031	0.003405	0.972717	0.023308
5 MIN	0.001491	0.991392	0.000080	0.008317	0.933181	0.024112
10 MIN	0.002970	0.982857	0.000168	0.016007	0.870826	0.025435
30 MIN	0.008758	0.949448	0.000577	0.041302	0.660380	0.030520
60 MIN	0.017073	0.901452	0.001320	0.066488	0.436102	0.037551
2 HR	0.032464	0.812616	0.003030	0.088932	0.190185	0.049642
4 HR	0.058845	0.660345	0.006494	0.089181	0.036170	0.067125
8 HR	0.097703	0.436055	0.011976	0.062116	0.001308	0.082864
12 HR	0.123362	0.287946	0.015640	0.041135	0.000047	0.083231
24 HR	0.158884	0.082913	0.020715	0.011846	0.000000	0.055017
36 HR	0.169112	0.023875	0.022177	0.003411	0.000000	0.028416
48 HR	0.172057	0.006875	0.022597	0.000982	0.000000	0.013275
60 HR	0.172905	0.001980	0.022719	0.000283	0.000000	0.005884
72 HR	0.173150	0.000570	0.022754	0.000081	0.000000	0.002530
84 HR	0.173220	0.000164	0.022764	0.000023	0.000000	0.001067
96 HR	0.173240	0.000047	0.022766	0.000007	0.000000	0.000444
108 HR	0.173246	0.000014	0.022767	0.000002	0.	0.000183
120 HR	0.173248	0.000004	0.022768	0.000001	0.	0.000075
132 HR	0.173248	0.000001	0.022768	0.000000	0.	0.000031

SATURATED IODINE 0.173248
SATURATED XENON 0.022768

TIME HOURS	IODINE		MW/KG	2.96		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022782
5 SEC	0.000025	0.999856	0.000001	0.000144	0.998842	0.022804
10 SEC	0.000050	0.999712	0.000003	0.000288	0.997683	0.022827
30 SEC	0.000151	0.999136	0.000008	0.000861	0.993066	0.022918
60 SEC	0.000301	0.998272	0.000016	0.001716	0.986179	0.023054
2 MIN	0.000602	0.996548	0.000031	0.003405	0.972550	0.023326
5 MIN	0.001502	0.991392	0.000081	0.008315	0.932782	0.024136
10 MIN	0.002990	0.982857	0.000169	0.016000	0.870081	0.025469
30 MIN	0.008818	0.949448	0.000580	0.041252	0.658687	0.030592
60 MIN	0.017189	0.901452	0.001326	0.066339	0.433869	0.037676
2 HR	0.032685	0.812616	0.003042	0.088583	0.188242	0.049858
4 HR	0.059245	0.660345	0.006510	0.088659	0.035435	0.067477
8 HR	0.098367	0.436055	0.011993	0.061687	0.001256	0.083351
12 HR	0.124201	0.287946	0.015656	0.040846	0.000044	0.083740
24 HR	0.159965	0.082913	0.020730	0.011763	0.000000	0.055368
36 HR	0.170263	0.023875	0.022191	0.003387	0.000000	0.028600
48 HR	0.173228	0.006875	0.022611	0.000975	0.000000	0.013361
60 HR	0.174082	0.001980	0.022733	0.000281	0.000000	0.005923
72 HR	0.174328	0.000570	0.022768	0.000081	0.000000	0.002546
84 HR	0.174398	0.000164	0.022778	0.000023	0.000000	0.001074
96 HR	0.174419	0.000047	0.022780	0.000007	0.000000	0.000447
108 HR	0.174425	0.000014	0.022781	0.000002	0.	0.000185
120 HR	0.174426	0.000004	0.022782	0.000001	0.	0.000076
132 HR	0.174427	0.000001	0.022782	0.000000	0.	0.000031

SATURATED IODINE 0.174427
SATURATED XENON 0.022782

	MW/KG		2.98		
TIME	IODINE		XENON		SHUTDOWN
HOURS	A	B	C	D	TRANSIENT
	-----		-----		
0 SEC	0.	1.000000	0.	0.	1.000000 0.022795
5 SEC	0.000025	0.999856	0.000001	0.000144	0.998835 0.022818
10 SEC	0.000051	0.999712	0.000003	0.000288	0.997669 0.022841
30 SEC	0.000152	0.999136	0.000008	0.000861	0.993024 0.022933
60 SEC	0.000303	0.998272	0.000016	0.001716	0.986095 0.023070
2 MIN	0.000606	0.996548	0.000032	0.003404	0.972384 0.023344
5 MIN	0.001512	0.991392	0.000081	0.008314	0.932383 0.024160
10 MIN	0.003010	0.982857	0.000170	0.015993	0.869337 0.025503
30 MIN	0.008877	0.949448	0.000584	0.041202	0.656999 0.030663
60 MIN	0.017306	0.901452	0.001333	0.066189	0.431647 0.037800
2 HR	0.032906	0.812616	0.003053	0.088237	0.186320 0.050075
4 HR	0.059645	0.660345	0.006526	0.088143	0.034715 0.067829
8 HR	0.099032	0.436055	0.012010	0.061264	0.001205 0.083837
12 HR	0.125041	0.287946	0.015672	0.040562	0.000042 0.084249
24 HR	0.161045	0.082913	0.020744	0.011681	0.000000 0.055719
36 HR	0.171413	0.023875	0.022205	0.003364	0.000000 0.028784
48 HR	0.174398	0.006875	0.022625	0.000969	0.000000 0.013448
60 HR	0.175268	0.001980	0.022746	0.000279	0.000000 0.005961
72 HR	0.175505	0.000570	0.022781	0.000080	0.000000 0.002563
84 HR	0.175577	0.000164	0.022791	0.000023	0.000000 0.001081
96 HR	0.175597	0.000047	0.022794	0.000007	0.000000 0.000450
108 HR	0.175603	0.000014	0.022795	0.000002	0. 0.000186
120 HR	0.175605	0.000004	0.022795	0.000001	0. 0.000076
132 HR	0.175605	0.000001	0.022795	0.000000	0. 0.000031

SATURATED IODINE 0.175605
SATURATED XENON 0.022795

TIME HOURS	IODINE		MW/KG	3.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022809
5 SEC	0.000025	0.999856	0.000001	0.000144	0.998827	0.022832
10 SEC	0.000051	0.999712	0.000003	0.000288	0.997655	0.022855
30 SEC	0.000153	0.999136	0.000008	0.000861	0.992981	0.022947
60 SEC	0.000305	0.998272	0.000016	0.001716	0.986011	0.023086
2 MIN	0.000610	0.996548	0.000032	0.003404	0.972218	0.023361
5 MIN	0.001522	0.991392	0.000082	0.008312	0.931984	0.024183
10 MIN	0.003031	0.982857	0.000171	0.015987	0.868593	0.025536
30 MIN	0.008937	0.949448	0.000587	0.041153	0.655315	0.030735
60 MIN	0.017422	0.901452	0.001339	0.066040	0.429437	0.037925
2 HR	0.033127	0.812616	0.003065	0.087892	0.184417	0.050291
4 HR	0.060046	0.660345	0.006542	0.087631	0.034009	0.068182
8 HR	0.099697	0.436055	0.012026	0.060847	0.001157	0.084324
12 HR	0.125880	0.287946	0.015687	0.040281	0.000039	0.084758
24 HR	0.162126	0.082913	0.020758	0.011600	0.000000	0.056070
36 HR	0.172563	0.023875	0.022219	0.003340	0.000000	0.028968
48 HR	0.175569	0.006875	0.022639	0.000962	0.000000	0.013534
60 HR	0.176434	0.001980	0.022760	0.000277	0.000000	0.006000
72 HR	0.176683	0.000570	0.022795	0.000080	0.000000	0.002579
84 HR	0.176755	0.000164	0.022805	0.000023	0.000000	0.001088
96 HR	0.176776	0.000047	0.022808	0.000007	0.000000	0.000453
108 HR	0.176782	0.000014	0.022809	0.000002	0.	0.000187
120 HR	0.176783	0.000004	0.022809	0.000001	0.	0.000077
132 HR	0.176784	0.000001	0.022809	0.000000	0.	0.000031

SATURATED IODINE 0.176784
SATURATED XENON 0.022809

TIME HOURS	IODINE		MW/KG	3.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022875
5 SEC	0.000026	0.999856	0.000001	0.000144	0.998792	0.022899
10 SEC	0.000053	0.999712	0.000003	0.000288	0.997583	0.022923
30 SEC	0.000158	0.999136	0.000008	0.000861	0.992769	0.023018
60 SEC	0.000316	0.998272	0.000016	0.001715	0.985589	0.023162
2 MIN	0.000631	0.996548	0.000033	0.003403	0.971386	0.023447
5 MIN	0.001573	0.991392	0.000085	0.008303	0.929993	0.024299
10 MIN	0.003132	0.982857	0.000176	0.015953	0.864886	0.025701
30 MIN	0.009235	0.949448	0.000603	0.040906	0.646959	0.031091
60 MIN	0.018002	0.901452	0.001371	0.065302	0.418556	0.038545
2 HR	0.034231	0.812616	0.003121	0.086200	0.175189	0.051370
4 HR	0.062047	0.660345	0.006618	0.085148	0.030691	0.069941
8 HR	0.103020	0.436055	0.012104	0.058841	0.000942	0.086754
12 HR	0.130076	0.287946	0.015762	0.038935	0.000029	0.087303
24 HR	0.167531	0.082913	0.020827	0.011212	0.000000	0.057825
36 HR	0.178316	0.023875	0.022285	0.003229	0.000000	0.029888
48 HR	0.181421	0.006875	0.022705	0.000930	0.000000	0.013967
60 HR	0.182315	0.001980	0.022826	0.000268	0.000000	0.006192
72 HR	0.182573	0.000570	0.022861	0.000077	0.000000	0.002662
84 HR	0.182647	0.000164	0.022871	0.000022	0.000000	0.001123
96 HR	0.182668	0.000047	0.022874	0.000006	0.000000	0.000467
108 HR	0.182674	0.000014	0.022874	0.000002	0.	0.000193
120 HR	0.182676	0.000004	0.022875	0.000001	0.	0.000079
132 HR	0.182677	0.000001	0.022875	0.000000	0.	0.000032

SATURATED IODINE 0.182677
SATURATED XENON 0.022875

TIME HOURS	IODINE		MW/KG	3.20 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022937
5 SEC	0.000027	0.999856	0.000001	0.000144	0.998756	0.022962
10 SEC	0.000054	0.999712	0.000003	0.000288	0.997512	0.022986
30 SEC	0.000163	0.999136	0.000008	0.000861	0.992556	0.023085
60 SEC	0.000326	0.998272	0.000017	0.001715	0.985167	0.023234
2 MIN	0.000651	0.996548	0.000034	0.003401	0.970556	0.023529
5 MIN	0.001623	0.991392	0.000087	0.008294	0.928006	0.024411
10 MIN	0.003233	0.982857	0.000182	0.015920	0.861194	0.025863
30 MIN	0.009533	0.949448	0.000619	0.040661	0.638710	0.031443
60 MIN	0.018583	0.901452	0.001403	0.064576	0.407951	0.039161
2 HR	0.035335	0.812616	0.003175	0.084556	0.166424	0.052446
4 HR	0.064049	0.660345	0.006691	0.082784	0.027697	0.071697
8 HR	0.106343	0.436055	0.012179	0.056959	0.000767	0.089183
12 HR	0.134272	0.287946	0.015832	0.037676	0.000021	0.089845
24 HR	0.172935	0.082913	0.020891	0.010849	0.000000	0.059580
36 HR	0.184068	0.023875	0.022348	0.003124	0.000000	0.030807
48 HR	0.187273	0.006875	0.022767	0.000900	0.000000	0.014399
60 HR	0.188196	0.001980	0.022888	0.000259	0.000000	0.006385
72 HR	0.188462	0.000570	0.022923	0.000075	0.000000	0.002745
84 HR	0.188539	0.000164	0.022933	0.000021	0.000000	0.001158
96 HR	0.188561	0.000047	0.022936	0.000006	0.000000	0.000482
108 HR	0.188567	0.000014	0.022936	0.000002	0.	0.000199
120 HR	0.188569	0.000004	0.022937	0.000001	0.	0.000082
132 HR	0.188570	0.000001	0.022937	0.000000	0.	0.000033

SATURATED IODINE 0.188570
SATURATED XENON 0.022937

TIME HOURS	IODINE		MW/KG	3.30 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.022995
5 SEC	0.000028	0.999856	0.000001	0.000144	0.998721	0.023021
10 SEC	0.000056	0.999712	0.000003	0.000288	0.997441	0.023047
30 SEC	0.000168	0.999136	0.000009	0.000861	0.992344	0.023149
60 SEC	0.000336	0.998272	0.000017	0.001714	0.984746	0.023302
2 MIN	0.000671	0.996548	0.000035	0.003400	0.969726	0.023608
5 MIN	0.001674	0.991392	0.000090	0.008285	0.926023	0.024520
10 MIN	0.003334	0.982857	0.000187	0.015887	0.857518	0.026021
30 MIN	0.009830	0.949448	0.000635	0.040418	0.630566	0.031791
60 MIN	0.019164	0.901452	0.001433	0.063862	0.397614	0.039775
2 HR	0.036439	0.812616	0.003227	0.082960	0.158097	0.053518
4 HR	0.066050	0.660345	0.006760	0.080531	0.024995	0.073450
8 HR	0.109666	0.436055	0.012248	0.055191	0.000625	0.091609
12 HR	0.138468	0.287946	0.015898	0.036495	0.000016	0.092386
24 HR	0.178339	0.082913	0.020952	0.010509	0.000000	0.061334
36 HR	0.189820	0.023875	0.022407	0.003026	0.000000	0.031726
48 HR	0.193126	0.006875	0.022826	0.000871	0.000000	0.014831
60 HR	0.194078	0.001980	0.022947	0.000251	0.000000	0.006577
72 HR	0.194352	0.000570	0.022981	0.000072	0.000000	0.002828
84 HR	0.194431	0.000164	0.022991	0.000021	0.000000	0.001193
96 HR	0.194453	0.000047	0.022994	0.000006	0.	0.000497
108 HR	0.194460	0.000014	0.022995	0.000002	0.	0.000205
120 HR	0.194462	0.000004	0.022995	0.000000	0.	0.000084
132 HR	0.194462	0.000001	0.022995	0.000000	0.	0.000034

SATURATED IODINE 0.194463
SATURATED XENON 0.022995

TIME HOURS	IODINE		MW/KG	3.40 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023051
5 SEC	0.000029	0.999856	0.000001	0.000144	0.999856	0.023077
10 SEC	0.000058	0.999712	0.000003	0.000288	0.999730	0.023104
30 SEC	0.000173	0.999136	0.000009	0.000861	0.992132	0.023209
60 SEC	0.000346	0.998272	0.000018	0.001714	0.984325	0.023368
2 MIN	0.000692	0.996548	0.000036	0.003398	0.968896	0.023684
5 MIN	0.001725	0.991392	0.000093	0.008277	0.924045	0.024626
10 MIN	0.003435	0.982857	0.000192	0.015854	0.853858	0.026176
30 MIN	0.010128	0.949448	0.000651	0.040178	0.622526	0.032137
60 MIN	0.019745	0.901452	0.001464	0.063158	0.387539	0.040385
2 HR	0.037543	0.812616	0.003278	0.081410	0.150186	0.054588
4 HR	0.068052	0.660345	0.006827	0.078382	0.022556	0.075201
8 HR	0.112989	0.436055	0.012315	0.053527	0.000509	0.094034
12 HR	0.142664	0.287946	0.015961	0.035386	0.000011	0.094926
24 HR	0.183743	0.082913	0.021009	0.010190	0.000000	0.063087
36 HR	0.195572	0.023875	0.022463	0.002934	0.000000	0.032645
48 HR	0.198978	0.006875	0.022881	0.000845	0.000000	0.015263
60 HR	0.199959	0.001980	0.023002	0.000243	0.000000	0.006769
72 HR	0.200241	0.000570	0.023037	0.000070	0.000000	0.002911
84 HR	0.200322	0.000164	0.023047	0.000020	0.000000	0.001228
96 HR	0.200346	0.000047	0.023050	0.000006	0.	0.000511
108 HR	0.200353	0.000014	0.023050	0.000002	0.	0.000211
120 HR	0.200355	0.000004	0.023051	0.000000	0.	0.000087
132 HR	0.200355	0.000001	0.023051	0.000000	0.	0.000035

SATURATED IODINE 0.200355
SATURATED XENON 0.023051

TIME HOURS	IODINE		MW/KG	3.50 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023103
5 SEC	0.000030	0.999856	0.000002	0.000144	0.998650	0.023130
10 SEC	0.000059	0.999712	0.000003	0.000288	0.997299	0.023158
30 SEC	0.000178	0.999136	0.000009	0.000861	0.991920	0.023267
60 SEC	0.000356	0.998272	0.000018	0.001714	0.983904	0.023430
2 MIN	0.000712	0.996548	0.000037	0.003397	0.968068	0.023756
5 MIN	0.001775	0.991392	0.000095	0.008268	0.922071	0.024729
10 MIN	0.003536	0.982857	0.000198	0.015821	0.850214	0.026328
30 MIN	0.010426	0.949448	0.000667	0.039939	0.614589	0.032480
60 MIN	0.020325	0.901452	0.001493	0.062466	0.377719	0.040993
2 HR	0.038648	0.812616	0.003327	0.079905	0.142672	0.055666
4 HR	0.070053	0.660345	0.006890	0.076332	0.020355	0.076950
8 HR	0.116313	0.436055	0.012377	0.051959	0.000414	0.096458
12 HR	0.146860	0.287946	0.016020	0.034343	0.000008	0.097465
24 HR	0.189147	0.082913	0.021064	0.009889	0.000000	0.064840
36 HR	0.201324	0.023875	0.022516	0.002848	0.000000	0.033563
48 HR	0.204830	0.006875	0.022934	0.000820	0.000000	0.015695
60 HR	0.205840	0.001980	0.023054	0.000236	0.000000	0.006962
72 HR	0.206131	0.000570	0.023089	0.000068	0.000000	0.002994
84 HR	0.206214	0.000164	0.023099	0.000020	0.000000	0.001263
96 HR	0.206238	0.000047	0.023102	0.000006	0.	0.000526
108 HR	0.206245	0.000014	0.023103	0.000002	0.	0.000217
120 HR	0.206247	0.000004	0.023103	0.000000	0.	0.000089
132 HR	0.206248	0.000001	0.023103	0.000000	0.	0.000036

SATURATED IODINE 0.206248
SATURATED XENON 0.023103

TIME HOURS	IODINE		MW/KG	3.60 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023153
5 SEC	0.000031	0.999856	0.000002	0.000144	0.998614	0.023181
10 SEC	0.000061	0.999712	0.000003	0.000288	0.997228	0.023209
30 SEC	0.000183	0.999136	0.000009	0.000861	0.991708	0.023322
60 SEC	0.000367	0.998272	0.000019	0.001713	0.983483	0.023490
2 MIN	0.000732	0.996548	0.000038	0.003395	0.967240	0.023826
5 MIN	0.001826	0.991392	0.000098	0.008259	0.920101	0.024829
10 MIN	0.003637	0.982857	0.000203	0.015788	0.846585	0.026478
30 MIN	0.010724	0.949448	0.000682	0.039702	0.606752	0.032820
60 MIN	0.020906	0.901452	0.001522	0.061785	0.368148	0.041598
2 HR	0.039752	0.812616	0.003374	0.078442	0.135533	0.056721
4 HR	0.072055	0.660345	0.006950	0.074374	0.018369	0.078697
8 HR	0.119636	0.436055	0.012436	0.050479	0.000337	0.098880
12 HR	0.151056	0.287946	0.016076	0.033359	0.000006	0.100002
24 HR	0.194552	0.082913	0.021115	0.009606	0.000000	0.066593
36 HR	0.207078	0.023875	0.022566	0.002766	0.000000	0.034482
48 HR	0.210683	0.006875	0.022984	0.000796	0.000000	0.016127
60 HR	0.211721	0.001980	0.023104	0.000229	0.000000	0.007154
72 HR	0.212020	0.000570	0.023139	0.000066	0.000000	0.003077
84 HR	0.212106	0.000164	0.023149	0.000019	0.000000	0.001298
96 HR	0.212131	0.000047	0.023152	0.000005	0.	0.000540
108 HR	0.212138	0.000014	0.023153	0.000002	0.	0.000223
120 HR	0.212140	0.000004	0.023153	0.000000	0.	0.000092
132 HR	0.212141	0.000001	0.023153	0.000000	0.	0.000037

SATURATED IODINE 0.212141
SATURATED XENON 0.023153

TIME HOURS	IODINE		MW/KG	3.70 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023200
5 SEC	0.000031	0.999856	0.000002	0.000144	0.998578	0.023229
10 SEC	0.000063	0.999712	0.000003	0.000288	0.997157	0.023258
30 SEC	0.000188	0.999136	0.000010	0.000860	0.991496	0.023374
60 SEC	0.000377	0.998272	0.000019	0.001713	0.983063	0.023548
2 MIN	0.000753	0.996548	0.000039	0.003394	0.966413	0.023894
5 MIN	0.001877	0.991392	0.000100	0.008251	0.918135	0.024926
10 MIN	0.003738	0.982857	0.000208	0.015755	0.842971	0.026625
30 MIN	0.011022	0.949448	0.000698	0.039467	0.599016	0.033158
60 MIN	0.021487	0.901452	0.001551	0.061114	0.358820	0.042201
2 HR	0.040856	0.812616	0.003420	0.077020	0.128752	0.057784
4 HR	0.074056	0.660345	0.007007	0.072504	0.016577	0.080443
8 HR	0.122959	0.436055	0.012493	0.049080	0.000275	0.101300
12 HR	0.155252	0.287946	0.016129	0.032429	0.000005	0.102539
24 HR	0.199956	0.082913	0.021164	0.009338	0.000000	0.068345
36 HR	0.212828	0.023875	0.022614	0.002689	0.000000	0.035400
48 HR	0.216535	0.006875	0.023031	0.000774	0.000000	0.016559
60 HR	0.217602	0.001980	0.023152	0.000223	0.000000	0.007346
72 HR	0.217909	0.000570	0.023186	0.000064	0.000000	0.003159
84 HR	0.217998	0.000164	0.023196	0.000018	0.000000	0.001333
96 HR	0.218023	0.000047	0.023199	0.000005	0.	0.000555
108 HR	0.218031	0.000014	0.023200	0.000002	0.	0.000229
120 HR	0.218033	0.000004	0.023200	0.000000	0.	0.000094
132 HR	0.218034	0.000001	0.023200	0.000000	0.	0.000038

SATURATED IODINE 0.218034
SATURATED XENON 0.023200

TIME HOURS	IODINE		MW/KG	3.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023245
5 SEC	0.000032	0.999856	0.000002	0.000144	0.998543	0.023275
10 SEC	0.000065	0.999712	0.000003	0.000288	0.997086	0.023305
30 SEC	0.000193	0.999136	0.000010	0.000860	0.991284	0.023424
60 SEC	0.000387	0.998272	0.000020	0.001713	0.982642	0.023603
2 MIN	0.000773	0.996548	0.000040	0.003392	0.965586	0.023959
5 MIN	0.001928	0.991392	0.000103	0.008242	0.916173	0.025021
10 MIN	0.003839	0.982857	0.000213	0.015722	0.839373	0.026770
30 MIN	0.011320	0.949448	0.000713	0.039234	0.591378	0.033493
60 MIN	0.022067	0.901452	0.001579	0.060454	0.349728	0.042801
2 HR	0.041960	0.812616	0.003465	0.075638	0.122310	0.058845
4 HR	0.076058	0.660345	0.007062	0.070716	0.014960	0.082186
8 HR	0.126282	0.436055	0.012546	0.047755	0.000224	0.103719
12 HR	0.159448	0.287946	0.016180	0.031551	0.000003	0.105074
24 HR	0.205360	0.082913	0.021211	0.009085	0.000000	0.070096
36 HR	0.218580	0.023875	0.022659	0.002616	0.000000	0.036318
48 HR	0.222387	0.006875	0.023077	0.000753	0.000000	0.016991
60 HR	0.223483	0.001980	0.023197	0.000217	0.000000	0.007538
72 HR	0.223799	0.000570	0.023231	0.000062	0.000000	0.003242
84 HR	0.223890	0.000164	0.023241	0.000018	0.	0.001367
96 HR	0.223916	0.000047	0.023244	0.000005	0.	0.000569
108 HR	0.223924	0.000014	0.023245	0.000001	0.	0.000235
120 HR	0.223926	0.000004	0.023245	0.000000	0.	0.000097
132 HR	0.223926	0.000001	0.023245	0.000000	0.	0.000039

SATURATED IODINE 0.223927
SATURATED XENON 0.023245

TIME HOURS	IODINE		MW/KG	3.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023288
5 SEC	0.000033	0.999856	0.000002	0.000144	0.998507	0.023319
10 SEC	0.000066	0.999712	0.000003	0.000288	0.997015	0.023349
30 SEC	0.000199	0.999136	0.000010	0.000860	0.991072	0.023472
60 SEC	0.000397	0.998272	0.000021	0.001712	0.982222	0.023656
2 MIN	0.000793	0.996548	0.000041	0.003391	0.964761	0.024022
5 MIN	0.001978	0.991392	0.000106	0.008233	0.914216	0.025114
10 MIN	0.003940	0.982857	0.000218	0.015689	0.835790	0.026912
30 MIN	0.011618	0.949448	0.000728	0.039003	0.583838	0.033827
60 MIN	0.022648	0.901452	0.001606	0.059804	0.340867	0.043400
2 HR	0.043064	0.812616	0.003508	0.074295	0.116190	0.059904
4 HR	0.078059	0.660345	0.007115	0.069006	0.013500	0.083928
8 HR	0.129606	0.436055	0.012597	0.046499	0.000182	0.106137
12 HR	0.163644	0.287946	0.016228	0.030718	0.000002	0.107609
24 HR	0.210764	0.082913	0.021255	0.008845	0.000000	0.071848
36 HR	0.224333	0.023875	0.022703	0.002547	0.000000	0.037236
48 HR	0.228239	0.006875	0.023119	0.000733	0.000000	0.017423
60 HR	0.229364	0.001980	0.023239	0.000211	0.000000	0.007731
72 HR	0.229688	0.000570	0.023274	0.000061	0.000000	0.003325
84 HR	0.229782	0.000164	0.023284	0.000018	0.	0.001402
96 HR	0.229808	0.000047	0.023287	0.000005	0.	0.000584
108 HR	0.229816	0.000014	0.023288	0.000001	0.	0.000241
120 HR	0.229818	0.000004	0.023288	0.000000	0.	0.000099
132 HR	0.229819	0.000001	0.023288	0.000000	0.	0.000040

SATURATED IODINE 0.229819
SATURATED XENON 0.023288

TIME HOURS	IODINE		MW/KG	4.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023329
5 SEC	0.000034	0.999856	0.000002	0.000144	0.998472	0.023360
10 SEC	0.000068	0.999712	0.000003	0.000288	0.996944	0.023392
30 SEC	0.000204	0.999136	0.000010	0.000860	0.990860	0.023518
60 SEC	0.000407	0.998272	0.000021	0.001712	0.981802	0.023707
2 MIN	0.000814	0.996548	0.000042	0.003390	0.963936	0.024083
5 MIN	0.002029	0.991392	0.000108	0.008224	0.912263	0.025206
10 MIN	0.004041	0.982857	0.000224	0.015657	0.832223	0.027053
30 MIN	0.011916	0.949448	0.000743	0.038774	0.576394	0.034159
60 MIN	0.023229	0.901452	0.001633	0.059164	0.332230	0.043997
2 HR	0.044189	0.812616	0.003549	0.072989	0.110376	0.060962
4 HR	0.080061	0.660345	0.007165	0.067368	0.012183	0.085668
8 HR	0.132929	0.436055	0.012646	0.045307	0.000148	0.108554
12 HR	0.167840	0.287946	0.016274	0.029928	0.000002	0.110143
24 HR	0.216169	0.082913	0.021297	0.008618	0.000000	0.073599
36 HR	0.230085	0.023875	0.022744	0.002481	0.000000	0.038154
48 HR	0.234092	0.006875	0.023160	0.000715	0.000000	0.017855
60 HR	0.235246	0.001980	0.023280	0.000206	0.000000	0.007923
72 HR	0.235578	0.000570	0.023315	0.000059	0.000000	0.003408
84 HR	0.235673	0.000164	0.023325	0.000017	0.	0.001437
96 HR	0.235701	0.000047	0.023328	0.000005	0.	0.000599
108 HR	0.235709	0.000014	0.023328	0.000001	0.	0.000247
120 HR	0.235711	0.000004	0.023329	0.000000	0.	0.000101
132 HR	0.235712	0.000001	0.023329	0.000000	0.	0.000041

SATURATED IODINE 0.235712
SATURATED XENON 0.023329

TIME HOURS	IODINE		MW/KG	4.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023368
5 SEC	0.000035	0.999856	0.000002	0.000144	0.998436	0.023400
10 SEC	0.000070	0.999712	0.000004	0.000288	0.996872	0.023433
30 SEC	0.000209	0.999136	0.000011	0.000860	0.990648	0.023562
60 SEC	0.000417	0.998272	0.000022	0.001712	0.981382	0.023756
2 MIN	0.000834	0.996548	0.000043	0.003388	0.963112	0.024142
5 MIN	0.002080	0.991392	0.000111	0.008216	0.910314	0.025295
10 MIN	0.004142	0.982857	0.000229	0.015624	0.828670	0.027192
30 MIN	0.012214	0.949448	0.000757	0.038547	0.569044	0.034488
60 MIN	0.023810	0.901452	0.001659	0.058534	0.323811	0.044592
2 HR	0.045273	0.812616	0.003590	0.071719	0.104854	0.062018
4 HR	0.082062	0.660345	0.007213	0.065800	0.010994	0.087407
8 HR	0.136252	0.436055	0.012692	0.044174	0.000121	0.110970
12 HR	0.172036	0.287946	0.016318	0.029178	0.000001	0.112676
24 HR	0.221573	0.082913	0.021338	0.008402	0.000000	0.075349
36 HR	0.235837	0.023875	0.022783	0.002419	0.000000	0.039071
48 HR	0.239944	0.006875	0.023199	0.000697	0.000000	0.018287
60 HR	0.241127	0.001980	0.023319	0.000201	0.000000	0.008115
72 HR	0.241467	0.000570	0.023354	0.000058	0.000000	0.003491
84 HR	0.241565	0.000164	0.023364	0.000017	0.	0.001472
96 HR	0.241594	0.000047	0.023367	0.000005	0.	0.000613
108 HR	0.241602	0.000014	0.023367	0.000001	0.	0.000253
120 HR	0.241604	0.000004	0.023368	0.000000	0.	0.000104
132 HR	0.241605	0.000001	0.023368	0.000000	0.	0.000042

SATURATED IODINE 0.241605
SATURATED XENON 0.023368

TIME HOURS	IODINE		MW/KG	4.20 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023405
5 SEC	0.000036	0.999856	0.000002	0.000144	0.998401	0.023438
10 SEC	0.000071	0.999712	0.000004	0.000288	0.996801	0.023471
30 SEC	0.000214	0.999136	0.000011	0.000860	0.990436	0.023604
60 SEC	0.000428	0.998272	0.000022	0.001711	0.980962	0.023803
2 MIN	0.000854	0.996548	0.000044	0.003387	0.962288	0.024200
5 MIN	0.002131	0.991392	0.000113	0.008207	0.908369	0.025382
10 MIN	0.004243	0.982857	0.000234	0.015592	0.825133	0.027329
30 MIN	0.012511	0.949448	0.000772	0.038322	0.561789	0.034817
60 MIN	0.024390	0.901452	0.001685	0.057913	0.315607	0.045186
2 HR	0.046377	0.812616	0.003629	0.070484	0.099607	0.063072
4 HR	0.084064	0.660345	0.007259	0.064297	0.009922	0.089145
8 HR	0.139575	0.436055	0.012737	0.043096	0.000098	0.113385
12 HR	0.176232	0.287946	0.016360	0.028465	0.000001	0.115209
24 HR	0.226977	0.082913	0.021376	0.008196	0.000000	0.077100
36 HR	0.241589	0.023875	0.022821	0.002360	0.000000	0.039989
48 HR	0.245796	0.006875	0.023237	0.000680	0.000000	0.018718
60 HR	0.247008	0.001980	0.023357	0.000196	0.000000	0.008307
72 HR	0.247357	0.000570	0.023391	0.000056	0.000000	0.003573
84 HR	0.247457	0.000164	0.023401	0.000016	0.	0.001507
96 HR	0.247486	0.000047	0.023404	0.000005	0.	0.000628
108 HR	0.247494	0.000014	0.023405	0.000001	0.	0.000259
120 HR	0.247497	0.000004	0.023405	0.000000	0.	0.000106
132 HR	0.247497	0.000001	0.023405	0.000000	0.	0.000044

SATURATED IODINE 0.247498
SATURATED XENON 0.023405

TIME HOURS	IODINE		MW/KG	4.30	XENON	SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023441
5 SEC	0.000036	0.999856	0.000002	0.000144	0.998365	0.023475
10 SEC	0.000073	0.999712	0.000004	0.000288	0.996730	0.023509
30 SEC	0.000219	0.999136	0.000011	0.000860	0.990224	0.023645
60 SEC	0.000438	0.998272	0.000023	0.001711	0.980543	0.023849
2 MIN	0.000875	0.996548	0.000045	0.003385	0.961465	0.024256
5 MIN	0.002181	0.991392	0.000116	0.008198	0.906428	0.025468
10 MIN	0.004344	0.982857	0.000239	0.015559	0.821611	0.027465
30 MIN	0.012809	0.949448	0.000786	0.038098	0.554626	0.035143
60 MIN	0.024971	0.901452	0.001710	0.057302	0.307610	0.045778
2 HR	0.047481	0.812616	0.003667	0.069282	0.094624	0.064128
4 HR	0.086065	0.660345	0.007304	0.062856	0.008954	0.090882
8 HR	0.142898	0.436055	0.012779	0.042069	0.000080	0.115799
12 HR	0.180428	0.287946	0.016400	0.027785	0.000001	0.117740
24 HR	0.232381	0.082913	0.021413	0.008001	0.000000	0.078850
36 HR	0.247341	0.023875	0.022857	0.002304	0.000000	0.040906
48 HR	0.251649	0.006875	0.023273	0.000663	0.000000	0.019150
60 HR	0.252889	0.001980	0.023392	0.000191	0.000000	0.008499
72 HR	0.253246	0.000570	0.023427	0.000055	0.000000	0.003656
84 HR	0.253349	0.000164	0.023437	0.000016	0.	0.001542
96 HR	0.253379	0.000047	0.023439	0.000005	0.	0.000642
108 HR	0.253387	0.000014	0.023440	0.000001	0.	0.000265
120 HR	0.253390	0.000004	0.023441	0.000000	0.	0.000109
132 HR	0.253390	0.000001	0.023441	0.000000	0.	0.000045

SATURATED IODINE 0.253391
SATURATED XENON 0.023441

TIME HOURS	MW/KG		4.40		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.023475
5 SEC	0.000037	0.999856	0.000002	0.000144	0.998329	0.023510
10 SEC	0.000075	0.999712	0.000004	0.000288	0.996659	0.023544
30 SEC	0.000224	0.999136	0.000012	0.000860	0.990012	0.023684
60 SEC	0.000448	0.998272	0.000023	0.001710	0.980123	0.023893
2 MIN	0.000895	0.996548	0.000047	0.003384	0.960643	0.024310
5 MIN	0.002232	0.991392	0.000119	0.008190	0.904492	0.025553
10 MIN	0.004445	0.982857	0.000244	0.015527	0.818104	0.027599
30 MIN	0.013107	0.949448	0.000800	0.037876	0.547554	0.035468
60 MIN	0.025552	0.901452	0.001735	0.056701	0.299815	0.046368
2 HR	0.048586	0.812616	0.003704	0.068113	0.089889	0.061577
4 HR	0.088067	0.660345	0.007346	0.061472	0.008080	0.092617
8 HR	0.146222	0.436055	0.012819	0.041090	0.000065	0.118213
12 HR	0.184624	0.287946	0.016438	0.027137	0.000001	0.120272
24 HR	0.237785	0.082913	0.021449	0.007814	0.000000	0.080600
36 HR	0.253093	0.023875	0.022891	0.002250	0.000000	0.041824
48 HR	0.257501	0.006875	0.023307	0.000648	0.000000	0.019582
60 HR	0.258770	0.001980	0.023426	0.000187	0.000000	0.008691
72 HR	0.259136	0.000570	0.023461	0.000054	0.000000	0.003739
84 HR	0.259241	0.000164	0.023471	0.000015	0.	0.015777
96 HR	0.259271	0.000047	0.023474	0.000004	0.	0.000657
108 HR	0.259280	0.000014	0.023474	0.000001	0.	0.000271
120 HR	0.259282	0.000004	0.023475	0.000000	0.	0.000111
132 HR	0.259283	0.000001	0.023475	0.000000	0.	0.000046

SATURATED IODINE 0.259283
SATURATED XENON 0.023475

TIME HOURS	IODINE		MW/KG	4.50		SHUTDOWN TRANSIENT
	A	B		XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023507
5 SEC	0.000038	0.999856	0.000002	0.000144	0.998294	0.023543
10 SEC	0.000076	0.999712	0.000004	0.000288	0.996588	0.023579
30 SEC	0.000229	0.999136	0.000012	0.000860	0.989801	0.023722
60 SEC	0.000458	0.998272	0.000024	0.001710	0.979704	0.023936
2 MIN	0.000915	0.996548	0.000048	0.003382	0.959821	0.024363
5 MIN	0.002283	0.991392	0.000121	0.008181	0.902559	0.025636
10 MIN	0.004546	0.982857	0.000249	0.015495	0.814613	0.027731
30 MIN	0.013405	0.949448	0.000814	0.037656	0.540572	0.035792
60 MIN	0.026133	0.901452	0.001759	0.056109	0.292218	0.046958
2 HR	0.049690	0.812616	0.003740	0.066976	0.085392	0.066227
4 HR	0.090069	0.660345	0.007387	0.060145	0.007292	0.094352
8 HR	0.149545	0.436055	0.012858	0.040155	0.000053	0.120625
12 HR	0.188820	0.287946	0.016475	0.026519	0.000000	0.122802
24 HR	0.243190	0.082913	0.021482	0.007636	0.000000	0.082350
36 HR	0.258845	0.023875	0.022924	0.002199	0.000000	0.042741
48 HR	0.263353	0.006875	0.023339	0.000633	0.000000	0.020013
60 HR	0.264651	0.001980	0.023459	0.000182	0.000000	0.008883
72 HR	0.265025	0.000570	0.023493	0.000052	0.	0.003822
84 HR	0.265133	0.000164	0.023503	0.000015	0.	0.001612
96 HR	0.265164	0.000047	0.023506	0.000004	0.	0.000671
108 HR	0.265173	0.000014	0.023507	0.000001	0.	0.000277
120 HR	0.265175	0.000004	0.023507	0.000000	0.	0.000114
132 HR	0.265176	0.000001	0.023507	0.000000	0.	0.000047

SATURATED IODINE 0.265176
SATURATED XENON 0.023507

TIME HOURS	IODINE		MW/KG	4.60 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023539
5 SEC	0.000039	0.999856	0.000002	0.000144	0.998258	0.023575
10 SEC	0.000078	0.999712	0.000004	0.000288	0.996517	0.023612
30 SEC	0.000234	0.999136	0.000012	0.000860	0.989589	0.023758
60 SEC	0.000468	0.998272	0.000024	0.001710	0.979285	0.023977
2 MIN	0.000936	0.996548	0.000049	0.003381	0.959001	0.024414
5 MIN	0.002333	0.991392	0.000124	0.008173	0.900631	0.025718
10 MIN	0.004647	0.982857	0.000254	0.015463	0.811135	0.027863
30 MIN	0.013703	0.949448	0.000828	0.037438	0.533680	0.036115
60 MIN	0.026713	0.901452	0.001783	0.055526	0.284814	0.047546
2 HR	0.050794	0.812616	0.003774	0.065868	0.081119	0.067277
4 HR	0.092070	0.660345	0.007426	0.058869	0.006580	0.096085
8 HR	0.152868	0.436055	0.012895	0.039261	0.000043	0.123037
12 HR	0.193016	0.287946	0.016510	0.025928	0.000000	0.125332
24 HR	0.248594	0.082913	0.021515	0.007466	0.000000	0.084099
36 HR	0.264597	0.023875	0.022956	0.002150	0.000000	0.043658
48 HR	0.269205	0.006875	0.023371	0.000619	0.000000	0.020445
60 HR	0.270532	0.001980	0.023490	0.000178	0.000000	0.009075
72 HR	0.270914	0.000570	0.023525	0.000051	0.	0.003904
84 HR	0.271024	0.000164	0.023535	0.000015	0.	0.001647
96 HR	0.271056	0.000047	0.023538	0.000004	0.	0.000686
108 HR	0.271065	0.000014	0.023538	0.000001	0.	0.000283
120 HR	0.271068	0.000004	0.023539	0.000000	0.	0.000116
132 HR	0.271069	0.000001	0.023539	0.000000	0.	0.000048

SATURATED IODINE 0.271069
SATURATED XENON 0.023539

TIME HOURS	IODINE		MW/KG	4.70	XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E		
0 SEC	0.	1.000000	0.	0.	1.000000	0.023569	
5 SEC	0.000040	0.999856	0.000002	0.000144	0.9988223	0.023606	
10 SEC	0.000080	0.999712	0.000004	0.000288	0.9964446	0.023644	
30 SEC	0.000239	0.999136	0.000012	0.000860	0.989377	0.023793	
60 SEC	0.000478	0.998272	0.000025	0.001709	0.978866	0.024017	
2 MIN	0.000956	0.996548	0.000050	0.003380	0.958181	0.024465	
5 MIN	0.002384	0.991392	0.000126	0.008164	0.898707	0.025798	
10 MIN	0.004748	0.982857	0.000259	0.015431	0.807573	0.027993	
30 MIN	0.014001	0.949448	0.000842	0.037222	0.526875	0.036436	
60 MIN	0.027294	0.901452	0.001807	0.054952	0.277597	0.048133	
2 HR	0.051898	0.812616	0.003808	0.064791	0.077060	0.068325	
4 HR	0.094072	0.660345	0.007464	0.057643	0.005938	0.097817	
8 HR	0.156191	0.436055	0.012931	0.038406	0.000035	0.125448	
12 HR	0.197212	0.287946	0.016544	0.025363	0.000000	0.127862	
24 HR	0.253998	0.082913	0.021546	0.007303	0.000000	0.085848	
36 HR	0.270349	0.023875	0.022986	0.002103	0.000000	0.044575	
48 HR	0.275058	0.006875	0.023401	0.000606	0.000000	0.020876	
60 HR	0.276414	0.001980	0.023520	0.000174	0.000000	0.009267	
72 HR	0.276804	0.000570	0.023555	0.000050	0.	0.003987	
84 HR	0.276916	0.000164	0.023565	0.000014	0.	0.001682	
96 HR	0.276949	0.000047	0.023568	0.000004	0.	0.000701	
108 HR	0.276958	0.000014	0.023568	0.000001	0.	0.000289	
120 HR	0.276961	0.000004	0.023569	0.000000	0.	0.000119	
132 HR	0.276961	0.000001	0.023569	0.000000	0.	0.000049	

SATURATED IODINE 0.276962
SATURATED XENON 0.023569

TIME HOURS	IODINE		MW/KG	4.80	XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E		
0 SEC	0.	1.000000	0.	0.	1.000000	0.023598	
5 SEC	0.000041	0.999856	0.000002	0.000144	0.998187	0.023636	
10 SEC	0.000082	0.999712	0.000004	0.000288	0.996375	0.023674	
30 SEC	0.000244	0.999136	0.000013	0.000859	0.989166	0.023827	
60 SEC	0.000489	0.998272	0.000025	0.001709	0.978448	0.024056	
2 MIN	0.000976	0.996548	0.000051	0.003378	0.957361	0.024514	
5 MIN	0.002435	0.991392	0.000129	0.008155	0.896787	0.025877	
10 MIN	0.004849	0.982857	0.000264	0.015399	0.804226	0.028122	
30 MIN	0.014299	0.949448	0.000855	0.037007	0.520157	0.036756	
60 MIN	0.027875	0.901452	0.001830	0.054386	0.270563	0.048719	
2 HR	0.053002	0.812616	0.003841	0.063741	0.073205	0.069372	
4 HR	0.096073	0.660345	0.007500	0.056463	0.005359	0.099549	
8 HR	0.159514	0.436055	0.012965	0.037588	0.000029	0.127858	
12 HR	0.201408	0.287946	0.016577	0.024823	0.000000	0.130391	
24 HR	0.259402	0.082913	0.021576	0.007148	0.000000	0.087597	
36 HR	0.276102	0.023875	0.023016	0.002058	0.000000	0.045492	
48 HR	0.280910	0.006875	0.023430	0.000593	0.000000	0.021308	
60 HR	0.282295	0.001980	0.023549	0.000171	0.000000	0.009459	
72 HR	0.282693	0.000570	0.023584	0.000049	0.	0.004070	
84 HR	0.282808	0.000164	0.023594	0.000014	0.	0.001717	
96 HR	0.282841	0.000047	0.023597	0.000004	0.	0.000715	
108 HR	0.282851	0.000014	0.023597	0.000001	0.	0.000295	
120 HR	0.282853	0.000004	0.023598	0.000000	0.	0.000121	
132 HR	0.282854	0.000001	0.023598	0.000000	0.	0.000050	

SATURATED IODINE 0.282855
SATURATED XENON 0.023598

TIME HOURS	IODINE		MW/KG	4.90 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	

0 SEC	0.	1.000000	0.	0.	1.000000	0.023625
5 SEC	0.000042	0.999856	0.000002	0.000144	0.998152	0.023665
10 SEC	0.000083	0.999712	0.000004	0.000288	0.996304	0.023704
30 SEC	0.000250	0.999136	0.000013	0.000859	0.988954	0.023860
60 SEC	0.000499	0.998272	0.000026	0.001709	0.978029	0.024094
2 MIN	0.000997	0.996548	0.000052	0.003377	0.956543	0.024562
5 MIN	0.002486	0.991392	0.000131	0.008147	0.894871	0.025955
10 MIN	0.004950	0.982857	0.000269	0.015367	0.800793	0.028250
30 MIN	0.014597	0.949448	0.000869	0.036794	0.513525	0.037075
60 MIN	0.028455	0.901452	0.001852	0.053829	0.263708	0.049303
2 HR	0.054107	0.812616	0.003872	0.062720	0.069542	0.070419
4 HR	0.098075	0.660345	0.007535	0.055329	0.004836	0.101280
8 HR	0.162838	0.436055	0.012998	0.036803	0.000023	0.130268
12 HR	0.205604	0.287946	0.016608	0.024304	0.000000	0.132920
24 HR	0.264806	0.082913	0.021605	0.006998	0.000000	0.089346
36 HR	0.281854	0.023875	0.023044	0.002015	0.000000	0.046409
48 HR	0.286762	0.006875	0.023458	0.000580	0.000000	0.021739
60 HR	0.288176	0.001980	0.023577	0.000167	0.000000	0.009652
72 HR	0.288583	0.000570	0.023612	0.000048	0.	0.004153
84 HR	0.288700	0.000164	0.023621	0.000014	0.	0.001752
96 HR	0.288734	0.000047	0.023624	0.000004	0.	0.000730
108 HR	0.288743	0.000014	0.023625	0.000001	0.	0.000301
120 HR	0.288746	0.000004	0.023625	0.000000	0.	0.000124
132 HR	0.288747	0.000001	0.023625	0.000000	0.	0.000051

SATURATED IODINE 0.288747
SATURATED XENON 0.023625

TIME HOURS	IODINE		MW/KG	5.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023652
5 SEC	0.000042	0.999856	0.000002	0.000144	0.998116	0.023692
10 SEC	0.000085	0.999712	0.000004	0.000288	0.996233	0.023732
30 SEC	0.000255	0.999136	0.000013	0.000859	0.988743	0.023892
60 SEC	0.000509	0.998272	0.000026	0.001708	0.977611	0.024131
2 MIN	0.001017	0.996548	0.000053	0.003375	0.955725	0.024609
5 MIN	0.002536	0.991392	0.000134	0.008138	0.892959	0.026033
10 MIN	0.005051	0.982857	0.000274	0.015336	0.797375	0.028376
30 MIN	0.014895	0.949448	0.000882	0.036583	0.506977	0.037393
60 MIN	0.029036	0.901452	0.001874	0.053281	0.257026	0.049887
2 HR	0.055211	0.812616	0.003903	0.061724	0.066062	0.071464
4 HR	0.100076	0.660345	0.007569	0.054236	0.004364	0.103010
8 HR	0.166161	0.436055	0.013030	0.036051	0.000019	0.132678
12 HR	0.209800	0.287946	0.016638	0.023807	0.000000	0.135448
24 HR	0.270211	0.082913	0.021632	0.006855	0.000000	0.091095
36 HR	0.287606	0.023875	0.023071	0.001974	0.000000	0.047326
48 HR	0.292615	0.006875	0.023485	0.000568	0.000000	0.022170
60 HR	0.294057	0.001980	0.023604	0.000164	0.000000	0.009844
72 HR	0.294472	0.000570	0.023638	0.000047	0.	0.004235
84 HR	0.294592	0.000164	0.023648	0.000014	0.	0.001787
96 HR	0.294626	0.000047	0.023651	0.000004	0.	0.000744
108 HR	0.294636	0.000014	0.023652	0.000001	0.	0.000307
120 HR	0.294639	0.000004	0.023652	0.000000	0.	0.000126
132 HR	0.294640	0.000001	0.023652	0.000000	0.	0.000052

SATURATED IODINE 0.294640
SATURATED XENON 0.023652

TIME HOURS	IODINE		MW/KG	5.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023678
5 SEC	0.000043	0.999856	0.000002	0.000144	0.998081	0.023719
10 SEC	0.000087	0.999712	0.000004	0.000288	0.996162	0.023760
30 SEC	0.000260	0.999136	0.000013	0.000859	0.988531	0.023923
60 SEC	0.000519	0.998272	0.000027	0.001708	0.977193	0.024167
2 MIN	0.001038	0.996548	0.000054	0.003374	0.954907	0.024655
5 MIN	0.002587	0.991392	0.000136	0.008130	0.891051	0.026109
10 MIN	0.005152	0.982857	0.000279	0.015304	0.793971	0.028502
30 MIN	0.015192	0.949448	0.000895	0.036374	0.500513	0.037710
60 MIN	0.029617	0.901452	0.001896	0.052740	0.250513	0.050470
2 HR	0.056315	0.812616	0.003933	0.060755	0.062757	0.072509
4 HR	0.102078	0.660345	0.007601	0.053183	0.003938	0.104739
8 HR	0.169484	0.436055	0.013060	0.035329	0.000016	0.135086
12 HR	0.213996	0.287946	0.016667	0.023330	0.000000	0.137976
24 HR	0.275615	0.082913	0.021659	0.006878	0.000000	0.092844
36 HR	0.293358	0.023875	0.023097	0.001934	0.000000	0.048243
48 HR	0.298467	0.006875	0.023511	0.000557	0.000000	0.022602
60 HR	0.299938	0.001980	0.023630	0.000160	0.000000	0.010036
72 HR	0.300362	0.000570	0.023664	0.000046	0.	0.004318
84 HR	0.300484	0.000164	0.023674	0.000013	0.	0.001822
96 HR	0.300519	0.000047	0.023677	0.000004	0.	0.000759
108 HR	0.300529	0.000014	0.023678	0.000001	0.	0.000313
120 HR	0.300532	0.000004	0.023678	0.000000	0.	0.000129
132 HR	0.300533	0.000001	0.023678	0.000000	0.	0.000053

SATURATED IODINE 0.300533
SATURATED XENON 0.023678

TIME HOURS	IODINE		MW/KG	5.20 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023703
5 SEC	0.000044	0.999856	0.000002	0.000144	0.998045	0.023744
10 SEC	0.000088	0.999712	0.000005	0.000288	0.996091	0.023786
30 SEC	0.000265	0.999136	0.000014	0.000859	0.988320	0.023953
60 SEC	0.000529	0.998272	0.000027	0.001708	0.976775	0.024202
2 MIN	0.001058	0.996548	0.000055	0.003372	0.954091	0.024700
5 MIN	0.002638	0.991392	0.000139	0.008121	0.889148	0.026184
10 MIN	0.005253	0.982857	0.000284	0.015272	0.790583	0.028627
30 MIN	0.015490	0.949448	0.000908	0.036166	0.494131	0.038026
60 MIN	0.030198	0.901452	0.001917	0.052208	0.244166	0.051052
2 HR	0.057419	0.812616	0.003962	0.059811	0.059617	0.073552
4 HR	0.104079	0.660345	0.007633	0.052169	0.003554	0.106468
8 HR	0.172807	0.436055	0.013089	0.034635	0.000013	0.137494
12 HR	0.218192	0.287946	0.016694	0.022872	0.000000	0.140503
24 HR	0.281019	0.082913	0.021685	0.006586	0.000000	0.094592
36 HR	0.299110	0.023875	0.023122	0.001896	0.000000	0.049160
48 HR	0.304319	0.006875	0.023535	0.000546	0.000000	0.023033
60 HR	0.305819	0.001980	0.023655	0.000157	0.000000	0.010228
72 HR	0.306251	0.000570	0.023689	0.000045	0.	0.004401
84 HR	0.306375	0.000164	0.023699	0.000013	0.	0.001857
96 HR	0.306411	0.000047	0.023702	0.000004	0.	0.000773
108 HR	0.306422	0.000014	0.023702	0.000001	0.	0.000319
120 HR	0.306425	0.000004	0.023703	0.000000	0.	0.000131
132 HR	0.306425	0.000001	0.023703	0.000000	0.	0.000054

SATURATED IODINE 0.306426
SATURATED XENON 0.023703

TIME HOURS	IODINE		MW/KG	5.30 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023727
5 SEC	0.000045	0.999856	0.000002	0.000144	0.998009	0.023769
10 SEC	0.000090	0.999712	0.000005	0.000288	0.996020	0.023812
30 SEC	0.000270	0.999136	0.000014	0.000859	0.988109	0.023982
60 SEC	0.000540	0.998272	0.000028	0.001707	0.976357	0.024236
2 MIN	0.001078	0.996548	0.000056	0.003371	0.953275	0.024744
5 MIN	0.002689	0.991392	0.000141	0.008113	0.887248	0.026258
10 MIN	0.005354	0.982857	0.000289	0.015241	0.787208	0.028751
30 MIN	0.015788	0.949448	0.000921	0.035960	0.487831	0.038342
60 MIN	0.030778	0.901452	0.001938	0.051684	0.237979	0.051633
2 HR	0.058524	0.812616	0.003990	0.058891	0.056634	0.074595
4 HR	0.106081	0.660345	0.007663	0.051191	0.003207	0.108196
8 HR	0.176131	0.436055	0.013118	0.033968	0.000010	0.139902
12 HR	0.222388	0.287946	0.016721	0.022431	0.000000	0.143030
24 HR	0.286423	0.082913	0.021709	0.006459	0.000000	0.096340
36 HR	0.304862	0.023875	0.023146	0.001860	0.000000	0.050077
48 HR	0.310172	0.006875	0.023559	0.000536	0.000000	0.023465
60 HR	0.311700	0.001980	0.023679	0.000154	0.000000	0.010419
72 HR	0.312141	0.000570	0.023713	0.000044	0.	0.004484
84 HR	0.312267	0.000164	0.023723	0.000013	0.	0.001892
96 HR	0.312304	0.000047	0.023726	0.000004	0.	0.000788
108 HR	0.312314	0.000014	0.023726	0.000001	0.	0.000325
120 HR	0.312317	0.000004	0.023727	0.000000	0.	0.000134
132 HR	0.312318	0.000001	0.023727	0.000000	0.	0.000055

SATURATED IODINE 0.312319
SATURATED XENON 0.023727

TIME HOURS	IODINE		MW/KG	5.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023834
5 SEC	0.000049	0.999856	0.000003	0.000144	0.997832	0.023881
10 SEC	0.000098	0.999712	0.000005	0.000288	0.995665	0.023928
30 SEC	0.000295	0.999136	0.000015	0.000859	0.987053	0.024115
60 SEC	0.000590	0.998272	0.000030	0.001705	0.974271	0.024395
2 MIN	0.001180	0.996548	0.000061	0.003364	0.949206	0.024953
5 MIN	0.002942	0.991392	0.000154	0.008070	0.877811	0.026618
10 MIN	0.005859	0.982857	0.000313	0.015085	0.770550	0.029359
30 MIN	0.017278	0.949448	0.000983	0.034954	0.457513	0.039907
60 MIN	0.033682	0.901452	0.002037	0.049178	0.209318	0.054528
2 HR	0.064045	0.812616	0.004120	0.054626	0.043814	0.079800
4 HR	0.116088	0.660345	0.007799	0.046783	0.001920	0.116826
8 HR	0.192747	0.436055	0.013245	0.030983	0.000004	0.151934
12 HR	0.243368	0.287946	0.016842	0.020460	0.000000	0.155661
24 HR	0.313444	0.082913	0.021821	0.005891	0.000000	0.105079
36 HR	0.333623	0.023875	0.023255	0.001696	0.000000	0.054659
48 HR	0.339433	0.006875	0.023668	0.000488	0.000000	0.025621
60 HR	0.341106	0.001980	0.023786	0.000141	0.	0.011379
72 HR	0.341588	0.000570	0.023821	0.000040	0.	0.004897
84 HR	0.341726	0.000164	0.023831	0.000012	0.	0.002066
96 HR	0.341768	0.000047	0.023833	0.000003	0.	0.000861
108 HR	0.341778	0.000014	0.023834	0.000001	0.	0.000355
120 HR	0.341781	0.000004	0.023834	0.000000	0.	0.000146
132 HR	0.341782	0.000001	0.023834	0.000000	0.	0.000060

SATURATED IODINE 0.341783
SATURATED XENON 0.023834

TIME HOURS	IODINE		MW/KG	5.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023854
5 SEC	0.000050	0.999856	0.000003	0.000144	0.997796	0.023902
10 SEC	0.000100	0.999712	0.000005	0.000288	0.995594	0.023949
30 SEC	0.000300	0.999136	0.000015	0.000858	0.986842	0.024139
60 SEC	0.000601	0.998272	0.000031	0.001705	0.973855	0.024424
2 MIN	0.001200	0.996548	0.000062	0.003362	0.948394	0.024993
5 MIN	0.002993	0.991392	0.000157	0.008062	0.875935	0.026688
10 MIN	0.005960	0.982857	0.000318	0.015054	0.767261	0.029479
30 MIN	0.017576	0.949448	0.000995	0.034757	0.451680	0.040218
60 MIN	0.034263	0.901452	0.002056	0.048699	0.204015	0.055106
2 HR	0.065149	0.812616	0.004144	0.053835	0.041622	0.080839
4 HR	0.118090	0.660345	0.007824	0.045988	0.001732	0.118551
8 HR	0.196070	0.436055	0.013268	0.030448	0.000003	0.154340
12 HR	0.247564	0.287946	0.016864	0.020106	0.000000	0.158186
24 HR	0.318849	0.082913	0.021841	0.005789	0.000000	0.106827
36 HR	0.339375	0.023875	0.023274	0.001667	0.000000	0.055576
48 HR	0.345285	0.006875	0.023687	0.000480	0.000000	0.026052
60 HR	0.346987	0.001980	0.023806	0.000138	0.	0.011571
72 HR	0.347477	0.000570	0.023840	0.000040	0.	0.004980
84 HR	0.347618	0.000164	0.023850	0.000011	0.	0.002101
96 HR	0.347659	0.000047	0.023853	0.000003	0.	0.000875
108 HR	0.347671	0.000014	0.023854	0.000001	0.	0.000361
120 HR	0.347674	0.000004	0.023854	0.000000	0.	0.000148
132 HR	0.347675	0.000001	0.023854	0.000000	0.	0.000061

SATURATED IODINE 0.347675
SATURATED XENON 0.023854

TIME HOURS	IODINE		MW/KG	6.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023873
5 SEC	0.000051	0.999856	0.000003	0.000144	0.997761	0.023921
10 SEC	0.000102	0.999712	0.000005	0.000288	0.995523	0.023970
30 SEC	0.000306	0.999136	0.000016	0.000858	0.986630	0.024163
60 SEC	0.000611	0.998272	0.000031	0.001705	0.973438	0.024453
2 MIN	0.001221	0.996548	0.000063	0.003361	0.947583	0.025032
5 MIN	0.003044	0.991392	0.000159	0.008053	0.874064	0.026758
10 MIN	0.006061	0.982857	0.000323	0.015023	0.763986	0.029598
30 MIN	0.017873	0.949448	0.001007	0.034562	0.445921	0.040529
60 MIN	0.034843	0.901452	0.002074	0.048227	0.198845	0.055682
2 HR	0.066253	0.812616	0.004167	0.053064	0.039539	0.081878
4 HR	0.120091	0.660345	0.007848	0.045219	0.001563	0.120275
8 HR	0.199393	0.436055	0.013290	0.029931	0.000002	0.156745
12 HR	0.251759	0.287946	0.016885	0.019765	0.000000	0.160711
24 HR	0.324253	0.082913	0.021861	0.005691	0.000000	0.108574
36 HR	0.345127	0.023875	0.023293	0.001639	0.000000	0.056492
48 HR	0.351138	0.006875	0.023706	0.000472	0.000000	0.026483
60 HR	0.352868	0.001980	0.023825	0.000136	0.	0.011763
72 HR	0.353367	0.000570	0.023859	0.000039	0.	0.005063
84 HR	0.353510	0.000164	0.023869	0.000011	0.	0.002136
96 HR	0.353551	0.000047	0.023872	0.000003	0.	0.000890
108 HR	0.353563	0.000014	0.023872	0.000001	0.	0.000358
120 HR	0.353567	0.000004	0.023873	0.000000	0.	0.000151
132 HR	0.353568	0.000001	0.023873	0.000000	0.	0.000062

SATURATED IODINE 0.353568
SATURATED XENON 0.023873

TIME HOURS	IODINE		MW/KG	6.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023891
5 SEC	0.000052	0.999856	0.000003	0.000144	0.997725	0.023940
10 SEC	0.000104	0.999712	0.000005	0.000288	0.995452	0.023990
30 SEC	0.000311	0.999136	0.000016	0.000858	0.986419	0.024187
60 SEC	0.000621	0.998272	0.000032	0.001704	0.973022	0.024482
2 MIN	0.001241	0.996548	0.000064	0.003360	0.946773	0.025071
5 MIN	0.003094	0.991392	0.000162	0.008045	0.872196	0.026826
10 MIN	0.006162	0.982857	0.000327	0.014993	0.760725	0.029717
30 MIN	0.018171	0.949448	0.001019	0.034369	0.440235	0.040838
60 MIN	0.035424	0.901452	0.002092	0.047762	0.193807	0.056258
2 HR	0.067357	0.812616	0.004190	0.052312	0.037561	0.082916
4 HR	0.122093	0.660345	0.007871	0.044474	0.001411	0.121999
8 HR	0.202716	0.436055	0.013312	0.029431	0.000002	0.159149
12 HR	0.255955	0.287946	0.016905	0.019435	0.000000	0.163236
24 HR	0.329657	0.082913	0.021879	0.005596	0.000000	0.110322
36 HR	0.350879	0.023875	0.023312	0.001611	0.000000	0.057408
48 HR	0.356990	0.006875	0.023724	0.000464	0.000000	0.026914
60 HR	0.358749	0.001980	0.023843	0.000134	0.	0.011955
72 HR	0.359258	0.000570	0.023877	0.000038	0.	0.005145
84 HR	0.359402	0.000164	0.023887	0.000011	0.	0.002171
96 HR	0.359444	0.000047	0.023890	0.000003	0.	0.000904
108 HR	0.359456	0.000014	0.023891	0.000001	0.	0.000374
120 HR	0.359460	0.000004	0.023891	0.000000	0.	0.000153
132 HR	0.359461	0.000001	0.023891	0.000000	0.	0.000063

SATURATED IODINE 0.359461
SATURATED XENON 0.023891

TIME HOURS	IODINE		MW/KG	6.20	XENON	SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023909
5 SEC	0.000053	0.999856	0.000003	0.000144	0.997690	0.023959
10 SEC	0.000105	0.999712	0.000005	0.000288	0.995381	0.024009
30 SEC	0.000316	0.999136	0.000016	0.000858	0.986209	0.024209
60 SEC	0.000631	0.998272	0.000032	0.001704	0.972606	0.024510
2 MIN	0.001261	0.996548	0.000065	0.003358	0.945963	0.025109
5 MIN	0.003145	0.991392	0.000164	0.008037	0.870333	0.026894
10 MIN	0.006263	0.982857	0.000332	0.014962	0.757478	0.029834
30 MIN	0.018469	0.949448	0.001031	0.034177	0.434622	0.041148
60 MIN	0.036005	0.901452	0.002110	0.047304	0.188896	0.056833
2 HR	0.068462	0.812616	0.004212	0.051577	0.035682	0.083953
4 HR	0.124094	0.660345	0.007893	0.043753	0.001273	0.123722
8 HR	0.206039	0.436055	0.013333	0.028948	0.000002	0.161553
12 HR	0.260151	0.287946	0.016925	0.019116	0.000000	0.165760
24 HR	0.335061	0.082913	0.021898	0.005504	0.000000	0.112069
36 HR	0.356631	0.023875	0.023330	0.001585	0.000000	0.058325
48 HR	0.362842	0.006875	0.023742	0.000456	0.000000	0.027346
60 HR	0.364631	0.001980	0.023861	0.000131	0.	0.012147
72 HR	0.365146	0.000570	0.023895	0.000038	0.	0.005228
84 HR	0.365254	0.000164	0.023905	0.000011	0.	0.002206
96 HR	0.365337	0.000047	0.023908	0.000003	0.	0.000919
108 HR	0.365349	0.000014	0.023908	0.000001	0.	0.000380
120 HR	0.365352	0.000004	0.023909	0.000000	0.	0.000156
132 HR	0.365353	0.000001	0.023909	0.000000	0.	0.000064

SATURATED IODINE 0.365354
SATURATED XENON 0.023909

TIME HOURS	IODINE		MW/KG	6.30 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023926
5 SEC	0.000053	0.999856	0.000003	0.000144	0.997654	0.023977
10 SEC	0.000107	0.999712	0.000005	0.000287	0.995310	0.024028
30 SEC	0.000321	0.999136	0.000016	0.000858	0.985998	0.024232
60 SEC	0.000641	0.998272	0.000033	0.001704	0.972190	0.024537
2 MIN	0.001282	0.996548	0.000066	0.003357	0.945155	0.025146
5 MIN	0.003196	0.991392	0.000166	0.008028	0.868474	0.026962
10 MIN	0.006364	0.982857	0.000337	0.014931	0.754245	0.029952
30 MIN	0.018767	0.949448	0.001042	0.033987	0.429080	0.041457
60 MIN	0.036586	0.901452	0.002127	0.046852	0.184110	0.057408
2 HR	0.069566	0.812616	0.004233	0.050861	0.033896	0.084991
4 HR	0.126096	0.660345	0.007915	0.043054	0.001149	0.125445
8 HR	0.209363	0.436055	0.013353	0.028480	0.000001	0.163957
12 HR	0.264347	0.287946	0.016944	0.018807	0.000000	0.168285
24 HR	0.340465	0.082913	0.021916	0.005415	0.000000	0.113816
36 HR	0.362383	0.023875	0.023347	0.001559	0.000000	0.059241
48 HR	0.368694	0.006875	0.023759	0.000449	0.000000	0.027777
60 HR	0.370512	0.001980	0.023878	0.000129	0.	0.012339
72 HR	0.371035	0.000570	0.023912	0.000037	0.	0.005311
84 HR	0.371186	0.000164	0.023922	0.000011	0.	0.002241
96 HR	0.371229	0.000047	0.023925	0.000003	0.	0.000934
108 HR	0.371242	0.000014	0.023926	0.000001	0.	0.000386
120 HR	0.371245	0.000004	0.023926	0.000000	0.	0.000158
132 HR	0.371246	0.000001	0.023926	0.000000	0.	0.000065

SATURATED IODINE 0.371247
SATURATED XENON 0.023926

TIME HOURS	IODINE		MW/KG	6.40	XENON		SHUTDOWN TRANSIENT
	A	B	C		D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023943	
5 SEC	0.000054	0.999856	0.000003	0.000144	0.997618	0.023994	
10 SEC	0.000109	0.999712	0.000006	0.000287	0.995239	0.024046	
30 SEC	0.000326	0.999136	0.000017	0.000858	0.985787	0.024253	
60 SEC	0.000652	0.998272	0.000033	0.001703	0.971774	0.024564	
2 MIN	0.001302	0.996548	0.000067	0.003355	0.944346	0.025183	
5 MIN	0.003247	0.991392	0.000169	0.008020	0.866618	0.027029	
10 MIN	0.006465	0.982857	0.000341	0.014901	0.751026	0.030069	
30 MIN	0.019065	0.949448	0.001054	0.033798	0.423609	0.041765	
60 MIN	0.037166	0.901452	0.002144	0.046407	0.179445	0.057983	
2 HR	0.070670	0.812616	0.004254	0.050161	0.032200	0.086027	
4 HR	0.128097	0.660345	0.007936	0.042377	0.001037	0.127168	
8 HR	0.212686	0.436055	0.013372	0.028027	0.000001	0.166361	
12 HR	0.268543	0.287946	0.016963	0.018508	0.000000	0.170809	
24 HR	0.345870	0.082913	0.021933	0.005329	0.000000	0.115563	
36 HR	0.368135	0.023875	0.023364	0.001535	0.000000	0.060157	
48 HR	0.374547	0.006875	0.023776	0.000442	0.000000	0.028208	
60 HR	0.376393	0.001980	0.023895	0.000127	0.	0.012531	
72 HR	0.376924	0.000570	0.023929	0.000037	0.	0.005393	
84 HR	0.377078	0.000164	0.023939	0.000011	0.	0.002276	
96 HR	0.377122	0.000047	0.023941	0.000003	0.	0.000948	
108 HR	0.377134	0.000014	0.023942	0.000001	0.	0.000392	
120 HR	0.377138	0.000004	0.023943	0.000000	0.	0.000161	
132 HR	0.377139	0.000001	0.023943	0.000000	0.	0.000066	

SATURATED IODINE 0.377139
SATURATED XENON 0.023943

TIME HOURS	IODINE		MW/KG	6.50 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023959
5 SEC	0.000055	0.999856	0.000003	0.000144	0.997583	0.024011
10 SEC	0.000110	0.999712	0.000006	0.000287	0.995168	0.024064
30 SEC	0.000331	0.999136	0.000017	0.000858	0.985576	0.024275
60 SEC	0.000662	0.998272	0.000034	0.001703	0.971358	0.024590
2 MIN	0.001322	0.996548	0.000068	0.003354	0.943539	0.025219
5 MIN	0.003297	0.991392	0.000171	0.008011	0.864767	0.027096
10 MIN	0.006566	0.982857	0.000346	0.014870	0.747820	0.030185
30 MIN	0.019363	0.949448	0.001065	0.033611	0.418208	0.042073
60 MIN	0.037747	0.901452	0.002161	0.045968	0.174898	0.058557
2 HR	0.071774	0.812616	0.004274	0.049478	0.030589	0.087064
4 HR	0.130099	0.660345	0.007956	0.041720	0.000936	0.128890
8 HR	0.216009	0.436055	0.013391	0.027589	0.000001	0.168765
12 HR	0.272739	0.287946	0.016981	0.018218	0.000000	0.173333
24 HR	0.351274	0.082913	0.021949	0.005246	0.000000	0.117310
36 HR	0.373887	0.023875	0.023380	0.001511	0.000000	0.061073
48 HR	0.380399	0.006875	0.023792	0.000435	0.000000	0.028639
60 HR	0.382274	0.001980	0.023911	0.000125	0.	0.012723
72 HR	0.382814	0.000570	0.023945	0.000036	0.	0.005476
84 HR	0.382969	0.000164	0.023955	0.000010	0.	0.002311
96 HR	0.383014	0.000047	0.023958	0.000003	0.	0.000963
108 HR	0.383027	0.000014	0.023958	0.000001	0.	0.000398
120 HR	0.383031	0.000004	0.023959	0.000000	0.	0.000163
132 HR	0.383032	0.000001	0.023959	0.000000	0.	0.000067

SATURATED IODINE 0.383032
SATURATED XENON 0.023959

TIME HOURS	IODINE		MW/KG	6.60 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023974
5 SEC	0.000056	0.999856	0.000003	0.000144	0.999754	0.024028
10 SEC	0.000112	0.999712	0.000006	0.000287	0.999597	0.024081
30 SEC	0.000336	0.999136	0.000017	0.000858	0.985365	0.024295
60 SEC	0.000672	0.998272	0.000034	0.001702	0.970943	0.024616
2 MIN	0.001343	0.996548	0.000069	0.003352	0.942732	0.025255
5 MIN	0.003348	0.991392	0.000174	0.008003	0.862919	0.027162
10 MIN	0.006667	0.982857	0.000351	0.014840	0.744628	0.030301
30 MIN	0.019661	0.949448	0.001076	0.033425	0.412876	0.042380
60 MIN	0.038328	0.901452	0.002178	0.045536	0.170466	0.059131
2 HR	0.072878	0.812616	0.004294	0.048811	0.029059	0.088100
4 HR	0.132101	0.660345	0.007976	0.041083	0.000844	0.130612
8 HR	0.219332	0.436055	0.013410	0.027163	0.000001	0.171188
12 HR	0.276935	0.287946	0.016998	0.017937	0.000000	0.175856
24 HR	0.356678	0.082913	0.021966	0.005165	0.000000	0.119057
36 HR	0.379640	0.023875	0.023396	0.001487	0.000000	0.061989
48 HR	0.386251	0.006875	0.023808	0.000428	0.000000	0.029070
60 HR	0.388155	0.001980	0.023927	0.000123	0.	0.012915
72 HR	0.388703	0.000570	0.023961	0.000036	0.	0.005559
84 HR	0.388861	0.000164	0.023970	0.000010	0.	0.002346
96 HR	0.388907	0.000047	0.023973	0.000003	0.	0.000977
108 HR	0.388920	0.000014	0.023974	0.000001	0.	0.000404
120 HR	0.388923	0.000004	0.023974	0.000000	0.	0.000166
132 HR	0.388925	0.000001	0.023974	0.000000	0.	0.000068

SATURATED IODINE 0.388925
SATURATED XENON 0.023974

TIME HOURS	IODINE		MW/KG	6.70 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.023990
5 SEC	0.000057	0.999856	0.000003	0.000144	0.999752	0.024044
10 SEC	0.000114	0.999712	0.000006	0.000287	0.999506	0.024098
30 SEC	0.000341	0.999136	0.000017	0.000858	0.985155	0.024316
60 SEC	0.000682	0.998272	0.000035	0.001702	0.970528	0.024641
2 MIN	0.001363	0.996548	0.000070	0.003351	0.941926	0.025291
5 MIN	0.003399	0.991392	0.000176	0.007995	0.861076	0.027228
10 MIN	0.006768	0.982857	0.000355	0.014810	0.741450	0.030416
30 MIN	0.019959	0.949448	0.001087	0.033241	0.407611	0.042687
60 MIN	0.038908	0.901452	0.002194	0.045110	0.166147	0.059704
2 HR	0.073983	0.812616	0.004313	0.048159	0.027605	0.089135
4 HR	0.134102	0.660345	0.007995	0.040464	0.000762	0.132333
8 HR	0.222658	0.436055	0.013428	0.026751	0.000001	0.173571
12 HR	0.281131	0.287946	0.017015	0.017665	0.000000	0.178380
24 HR	0.362082	0.082913	0.021981	0.005087	0.000000	0.120804
36 HR	0.385392	0.023875	0.023411	0.001465	0.000000	0.062906
48 HR	0.392104	0.006875	0.023823	0.000422	0.000000	0.029501
60 HR	0.394036	0.001980	0.023942	0.000121	0.	0.013106
72 HR	0.394593	0.000570	0.023976	0.000035	0.	0.005641
84 HR	0.394753	0.000164	0.023986	0.000010	0.	0.002381
96 HR	0.394799	0.000047	0.023989	0.000003	0.	0.000992
108 HR	0.394812	0.000014	0.023989	0.000001	0.	0.000410
120 HR	0.394816	0.000004	0.023990	0.000000	0.	0.000168
132 HR	0.394817	0.000001	0.023990	0.000000	0.	0.000069

SATURATED IODINE 0.394818
SATURATED XENON 0.023990

TIME HOURS	IODINE		MW/KG	6.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024005
5 SEC	0.000058	0.999856	0.000003	0.000144	0.999746	0.024060
10 SEC	0.000115	0.999712	0.000006	0.000287	0.994955	0.024115
30 SEC	0.000346	0.999136	0.000018	0.000858	0.984944	0.024336
60 SEC	0.000692	0.998272	0.000036	0.001702	0.970113	0.024666
2 MIN	0.001383	0.996548	0.000071	0.003350	0.941120	0.025326
5 MIN	0.003449	0.991392	0.000179	0.007986	0.859236	0.027293
10 MIN	0.006869	0.982857	0.000360	0.014780	0.738285	0.030531
30 MIN	0.020257	0.949448	0.001098	0.033058	0.402414	0.042994
60 MIN	0.039489	0.901452	0.002210	0.044690	0.161937	0.060276
2 HR	0.075087	0.812616	0.004332	0.047523	0.026224	0.090170
4 HR	0.136104	0.660345	0.008014	0.039864	0.000688	0.134054
8 HR	0.225979	0.436055	0.013445	0.026351	0.000000	0.175974
12 HR	0.285327	0.287946	0.017032	0.017401	0.000000	0.180903
24 HR	0.367486	0.082913	0.021997	0.005011	0.000000	0.122551
36 HR	0.391144	0.023875	0.023426	0.001443	0.000000	0.063822
48 HR	0.397956	0.006875	0.023838	0.000415	0.000000	0.029932
60 HR	0.399917	0.001980	0.023957	0.000120	0.	0.013298
72 HR	0.400482	0.000570	0.023991	0.000034	0.	0.005724
84 HR	0.400645	0.000164	0.024001	0.000010	0.	0.002416
96 HR	0.400692	0.000047	0.024003	0.000003	0.	0.001006
108 HR	0.400705	0.000014	0.024004	0.000001	0.	0.000416
120 HR	0.400709	0.000004	0.024004	0.000000	0.	0.000171
132 HR	0.400710	0.000001	0.024004	0.000000	0.	0.000070

SATURATED IODINE 0.400711
SATURATED XENON 0.024005

TIME HOURS	IODINE		MW/KG	6.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024019
5 SEC	0.000059	0.999856	0.000003	0.000144	0.999744	0.024075
10 SEC	0.000117	0.999712	0.000006	0.000287	0.994884	0.024131
30 SEC	0.000351	0.999136	0.000018	0.000858	0.984733	0.024355
60 SEC	0.000702	0.998272	0.000036	0.001701	0.969698	0.024691
2 MIN	0.001404	0.996548	0.000072	0.003348	0.940315	0.025361
5 MIN	0.003500	0.991392	0.000181	0.007978	0.857400	0.027358
10 MIN	0.006970	0.982857	0.000365	0.014750	0.735134	0.030646
30 MIN	0.020554	0.949448	0.001109	0.032877	0.397283	0.043300
60 MIN	0.040070	0.901452	0.002225	0.044276	0.157834	0.060849
2 HR	0.076191	0.812616	0.004351	0.046901	0.024911	0.091205
4 HR	0.138105	0.660345	0.008032	0.039281	0.000621	0.135775
8 HR	0.229302	0.436055	0.013462	0.025963	0.000000	0.178376
12 HR	0.289523	0.287946	0.017048	0.017145	0.000000	0.183427
24 HR	0.372891	0.082913	0.022012	0.004937	0.000000	0.124297
36 HR	0.396896	0.023875	0.023441	0.001422	0.000000	0.064738
48 HR	0.403808	0.006875	0.023852	0.000409	0.	0.030363
60 HR	0.405799	0.001980	0.023971	0.000118	0.	0.013490
72 HR	0.406372	0.000570	0.024005	0.000034	0.	0.005807
84 HR	0.406537	0.000164	0.024015	0.000010	0.	0.002451
96 HR	0.406584	0.000047	0.024018	0.000003	0.	0.001021
108 HR	0.406598	0.000014	0.024019	0.000001	0.	0.000422
120 HR	0.406602	0.000004	0.024019	0.000000	0.	0.000173
132 HR	0.406603	0.000001	0.024019	0.000000	0.	0.000071

SATURATED IODINE 0.406603
SATURATED XENON 0.024019

TIME HOURS	IODINE		MW/KG	7.00 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024033
5 SEC	0.000059	0.999856	0.000003	0.000144	0.997405	0.024090
10 SEC	0.000119	0.999712	0.000006	0.000287	0.994813	0.024147
30 SEC	0.000356	0.999136	0.000018	0.000857	0.984523	0.024374
60 SEC	0.000713	0.998272	0.000037	0.001701	0.969283	0.024715
2 MIN	0.001424	0.996548	0.000073	0.003347	0.939511	0.025395
5 MIN	0.003551	0.991392	0.000184	0.007970	0.855568	0.027422
10 MIN	0.007071	0.982857	0.000369	0.014720	0.731996	0.030760
30 MIN	0.020852	0.949448	0.001120	0.032697	0.392217	0.043606
60 MIN	0.040651	0.901452	0.002241	0.043868	0.153834	0.061421
2 HR	0.077295	0.812616	0.004368	0.046293	0.023665	0.092239
4 HR	0.140107	0.660345	0.008050	0.038714	0.000560	0.137496
8 HR	0.232625	0.436055	0.013479	0.025586	0.000000	0.180778
12 HR	0.293719	0.287946	0.017063	0.016896	0.000000	0.185950
24 HR	0.378295	0.082913	0.022026	0.004865	0.000000	0.126044
36 HR	0.402648	0.023875	0.023455	0.001401	0.000000	0.065654
48 HR	0.409660	0.006875	0.023867	0.000403	0.	0.030794
60 HR	0.411680	0.001980	0.023985	0.000116	0.	0.013682
72 HR	0.412261	0.000570	0.024019	0.000033	0.	0.005890
84 HR	0.412429	0.000164	0.024029	0.000010	0.	0.002485
96 HR	0.412477	0.000047	0.024032	0.000003	0.	0.001035
108 HR	0.412491	0.000014	0.024033	0.000001	0.	0.000428
120 HR	0.412495	0.000004	0.024033	0.000000	0.	0.000176
132 HR	0.412496	0.000001	0.024033	0.000000	0.	0.000072

SATURATED IODINE 0.412496
SATURATED XENON 0.024033

TIME HOURS	IODINE		MW/KG	7.10 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024047
5 SEC	0.000060	0.999856	0.000003	0.000144	0.997370	0.024104
10 SEC	0.000121	0.999712	0.000006	0.000287	0.994742	0.024162
30 SEC	0.000362	0.999136	0.000019	0.000857	0.984312	0.024393
60 SEC	0.000723	0.998272	0.000037	0.001701	0.968869	0.024739
2 MIN	0.001444	0.996548	0.000074	0.003345	0.938708	0.025429
5 MIN	0.003602	0.991392	0.000186	0.007961	0.853741	0.027486
10 MIN	0.007172	0.982857	0.000374	0.014690	0.728872	0.030874
30 MIN	0.021150	0.949448	0.001130	0.032518	0.387216	0.043911
60 MIN	0.041231	0.901452	0.002256	0.043466	0.149937	0.061993
2 HR	0.079399	0.812616	0.004386	0.045659	0.022481	0.093273
4 HR	0.142108	0.660345	0.008067	0.038163	0.000505	0.139216
8 HR	0.235948	0.436055	0.013495	0.025220	0.000000	0.183180
12 HR	0.297915	0.287946	0.017079	0.016654	0.000000	0.188473
24 HR	0.383699	0.082913	0.022040	0.004795	0.000000	0.127790
36 HR	0.408400	0.023875	0.023469	0.001381	0.000000	0.066570
48 HR	0.415513	0.006875	0.023880	0.000398	0.	0.031226
60 HR	0.417561	0.001980	0.023999	0.000114	0.	0.013874
72 HR	0.418151	0.000570	0.024033	0.000033	0.	0.005972
84 HR	0.418320	0.000164	0.024043	0.000009	0.	0.002520
96 HR	0.418369	0.000047	0.024046	0.000003	0.	0.001050
108 HR	0.418383	0.000014	0.024046	0.000001	0.	0.000434
120 HR	0.418387	0.000004	0.024046	0.000000	0.	0.000178
132 HR	0.418389	0.000001	0.024047	0.000000	0.	0.000073

SATURATED IODINE 0.418389
SATURATED XENON 0.024047

TIME HOURS	IODINE		MW/KG	7.20 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024060
5 SEC	0.000061	0.999856	0.000003	0.000144	0.997334	0.024118
10 SEC	0.000122	0.999712	0.000006	0.000287	0.994672	0.024177
30 SEC	0.000367	0.999136	0.000019	0.000857	0.984102	0.024411
60 SEC	0.000733	0.998272	0.000038	0.001700	0.968454	0.024762
2 MIN	0.001465	0.996548	0.000075	0.003344	0.937905	0.025462
5 MIN	0.003652	0.991392	0.000189	0.007953	0.851917	0.027550
10 MIN	0.007273	0.982857	0.000378	0.014660	0.725760	0.030987
30 MIN	0.021448	0.949448	0.001141	0.032341	0.382279	0.044216
60 MIN	0.041812	0.901452	0.002270	0.043069	0.146137	0.062564
2 HR	0.079504	0.812616	0.004403	0.045119	0.021356	0.094307
4 HR	0.144110	0.660345	0.008084	0.037628	0.000456	0.140936
8 HR	0.239272	0.436055	0.013510	0.024865	0.000000	0.185582
12 HR	0.302111	0.287946	0.017093	0.016419	0.000000	0.190995
24 HR	0.389103	0.082913	0.022054	0.004728	0.000000	0.129537
36 HR	0.414152	0.023875	0.023482	0.001361	0.000000	0.067486
48 HR	0.421365	0.006875	0.023894	0.000392	0.	0.031657
60 HR	0.423442	0.001980	0.024012	0.000113	0.	0.014066
72 HR	0.424040	0.000570	0.024046	0.000032	0.	0.006055
84 HR	0.424212	0.000164	0.024056	0.000009	0.	0.002555
96 HR	0.424262	0.000047	0.024059	0.000003	0.	0.001065
108 HR	0.424276	0.000014	0.024060	0.000001	0.	0.000440
120 HR	0.424280	0.000004	0.024060	0.000000	0.	0.000181
132 HR	0.424281	0.000001	0.024060	0.000000	0.	0.000074

SATURATED IODINE 0.424282
SATURATED XENON 0.024060

TIME HOURS	IODINE		MW/KG	7.30 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024073
5 SEC	0.000062	0.999856	0.000003	0.000144	0.997299	0.024132
10 SEC	0.000124	0.999712	0.000006	0.000287	0.994601	0.024192
30 SEC	0.000372	0.999136	0.000019	0.000857	0.983891	0.024429
60 SEC	0.000743	0.998272	0.000038	0.001700	0.968040	0.024785
2 MIN	0.001485	0.996548	0.000076	0.003342	0.937103	0.025496
5 MIN	0.003703	0.991392	0.000191	0.007945	0.850096	0.027614
10 MIN	0.007374	0.982857	0.000383	0.014630	0.722663	0.031101
30 MIN	0.021746	0.949448	0.001151	0.032165	0.377405	0.044521
60 MIN	0.042393	0.901452	0.002285	0.042678	0.142434	0.063135
2 HR	0.080608	0.812616	0.004420	0.044551	0.020288	0.095341
4 HR	0.146111	0.660345	0.008100	0.037107	0.000412	0.142656
8 HR	0.242595	0.436055	0.013525	0.024519	0.000000	0.187984
12 HR	0.306307	0.287946	0.017108	0.016191	0.000000	0.193518
24 HR	0.394507	0.082913	0.022067	0.004662	0.000000	0.131283
36 HR	0.419904	0.023875	0.023495	0.001342	0.000000	0.068402
48 HR	0.427217	0.006875	0.023906	0.000387	0.	0.032088
60 HR	0.429323	0.001980	0.024025	0.000111	0.	0.014258
72 HR	0.429929	0.000570	0.024059	0.000032	0.	0.006138
84 HR	0.430104	0.000164	0.024069	0.000009	0.	0.002590
96 HR	0.430154	0.000047	0.024072	0.000003	0.	0.001079
108 HR	0.430169	0.000014	0.024072	0.000001	0.	0.000446
120 HR	0.430173	0.000004	0.024073	0.000000	0.	0.000183
132 HR	0.430174	0.000001	0.024073	0.000000	0.	0.000075

SATURATED IODINE 0.430175
SATURATED XENON 0.024073

TIME HOURS	IODINE		MW/KG	7.40 XENON		SHUTDOWN TRANSIENT
	A	B		D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024085
5 SEC	0.000063	0.999856	0.000003	0.000144	0.997263	0.024146
10 SEC	0.000126	0.999712	0.000006	0.000287	0.994530	0.024206
30 SEC	0.000377	0.999136	0.000019	0.000857	0.983681	0.024447
60 SEC	0.000753	0.998272	0.000039	0.001700	0.967626	0.024808
2 MIN	0.001505	0.996548	0.000077	0.003341	0.936302	0.025528
5 MIN	0.003754	0.991392	0.000193	0.007937	0.848280	0.027677
10 MIN	0.007475	0.982857	0.000387	0.014601	0.719578	0.031213
30 MIN	0.022044	0.949448	0.001161	0.031991	0.372593	0.044825
60 MIN	0.042974	0.901452	0.002299	0.042293	0.138825	0.063706
2 HR	0.081712	0.812616	0.004436	0.043996	0.019272	0.096374
4 HR	0.148113	0.660345	0.008116	0.036600	0.000371	0.144375
8 HR	0.245918	0.436055	0.013540	0.024182	0.000000	0.190386
12 HR	0.310503	0.287946	0.017122	0.015969	0.000000	0.196040
24 HR	0.399912	0.082913	0.022080	0.004598	0.000000	0.133030
36 HR	0.425657	0.023875	0.023508	0.001324	0.000000	0.069318
48 HR	0.433070	0.006875	0.023919	0.000381	0.	0.032519
60 HR	0.435204	0.001980	0.024037	0.000110	0.	0.014449
72 HR	0.435819	0.000570	0.024072	0.000032	0.	0.006220
84 HR	0.435996	0.000164	0.024081	0.000009	0.	0.002625
96 HR	0.436047	0.000047	0.024084	0.000003	0.	0.001094
108 HR	0.436061	0.000014	0.024085	0.000001	0.	0.000452
120 HR	0.436066	0.000004	0.024085	0.000000	0.	0.000185
132 HR	0.436067	0.000001	0.024085	0.000000	0.	0.000076

SATURATED IODINE 0.436067
SATURATED XENON 0.024085

TIME HOURS	IODINE		MW/KG	7.50 XENON		SHUTDOWN TRANSIENT
	A	B		D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024098
5 SEC	0.000064	0.999856	0.000003	0.000144	0.997228	0.024159
10 SEC	0.000127	0.999712	0.000007	0.000287	0.994459	0.024220
30 SEC	0.000382	0.999136	0.000020	0.000857	0.983470	0.024464
60 SEC	0.000764	0.998272	0.000039	0.001699	0.967212	0.024830
2 MIN	0.001526	0.996548	0.000078	0.003340	0.935501	0.025561
5 MIN	0.003805	0.991392	0.000196	0.007928	0.846468	0.027739
10 MIN	0.007576	0.982857	0.000392	0.014571	0.716507	0.031326
30 MIN	0.022342	0.949448	0.001171	0.031818	0.367842	0.045130
60 MIN	0.043554	0.901452	0.002313	0.041913	0.135308	0.064276
2 HR	0.082816	0.812616	0.004452	0.043454	0.018308	0.097407
4 HR	0.150114	0.660345	0.008132	0.036107	0.000335	0.146095
8 HR	0.249241	0.436055	0.013555	0.023855	0.000000	0.192787
12 HR	0.314699	0.287946	0.017136	0.015753	0.000000	0.198563
24 HR	0.405316	0.082913	0.022093	0.004536	0.000000	0.134776
36 HR	0.431409	0.023875	0.023520	0.001306	0.000000	0.070234
48 HR	0.438922	0.006875	0.023931	0.000376	0.	0.032950
60 HR	0.441085	0.001980	0.024050	0.000108	0.	0.014641
72 HR	0.441708	0.000570	0.024084	0.000031	0.	0.006303
84 HR	0.441888	0.000164	0.024094	0.000009	0.	0.002660
96 HR	0.441939	0.000047	0.024096	0.000003	0.	0.001108
108 HR	0.441954	0.000014	0.024097	0.000001	0.	0.000458
120 HR	0.441959	0.000004	0.024097	0.000000	0.	0.000188
132 HR	0.441960	0.000001	0.024098	0.000000	0.	0.000077

SATURATED IODINE 0.441960
SATURATED XENON 0.024098

TIME HOURS	IODINE		MW/KG	7.60 XENON		SHUTDOWN TRANSIENT
	A	B		D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024110
5 SEC	0.000064	0.999856	0.000003	0.000144	0.997192	0.024172
10 SEC	0.000129	0.999712	0.000007	0.000287	0.994388	0.024234
30 SEC	0.000387	0.999136	0.000020	0.000857	0.983260	0.024481
60 SEC	0.000774	0.998272	0.000040	0.001699	0.966799	0.024853
2 MIN	0.001546	0.996548	0.000079	0.003338	0.934701	0.025593
5 MIN	0.003855	0.991392	0.000198	0.007920	0.844660	0.027802
10 MIN	0.007677	0.982857	0.000396	0.014542	0.713448	0.031438
30 MIN	0.022640	0.949448	0.001181	0.031646	0.363152	0.045433
60 MIN	0.044135	0.901452	0.002327	0.041538	0.131879	0.064846
2 HR	0.083921	0.812616	0.004467	0.042923	0.017392	0.098440
4 HR	0.152116	0.660345	0.008147	0.035626	0.000302	0.147814
8 HR	0.252565	0.436055	0.013569	0.023537	0.000000	0.195188
12 HR	0.318695	0.287946	0.017149	0.015542	0.000000	0.201085
24 HR	0.410720	0.082913	0.022105	0.004475	0.000000	0.136522
36 HR	0.437161	0.023875	0.023532	0.001289	0.000000	0.071150
48 HR	0.444774	0.006875	0.023943	0.000371	0.	0.033381
60 HR	0.446967	0.001980	0.024062	0.000107	0.	0.014833
72 HR	0.447598	0.000570	0.024096	0.000031	0.	0.006386
84 HR	0.447780	0.000164	0.024106	0.000009	0.	0.002695
96 HR	0.447832	0.000047	0.024108	0.000003	0.	0.001123
108 HR	0.447847	0.000014	0.024109	0.000001	0.	0.000464
120 HR	0.447851	0.000004	0.024109	0.000000	0.	0.000190
132 HR	0.447853	0.000001	0.024110	0.000000	0.	0.000078

SATURATED IODINE 0.447853
SATURATED XENON 0.024110

TIME HOURS	IODINE		MW/KG	7.70 XENON		SHUTDOWN TRANSIENT
	A	B		D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024121
5 SEC	0.000065	0.999856	0.000003	0.000144	0.997157	0.024184
10 SEC	0.000131	0.999712	0.000007	0.000287	0.994317	0.024247
30 SEC	0.000392	0.999136	0.000020	0.000857	0.983050	0.024498
60 SEC	0.000784	0.998272	0.000040	0.001698	0.966385	0.024874
2 MIN	0.001566	0.996548	0.000080	0.003337	0.933902	0.025625
5 MIN	0.003906	0.991392	0.000201	0.007912	0.842855	0.027864
10 MIN	0.007778	0.982857	0.000401	0.014512	0.710403	0.031550
30 MIN	0.022938	0.949448	0.001191	0.031476	0.358522	0.045737
60 MIN	0.044716	0.901452	0.002340	0.041169	0.128538	0.065416
2 HR	0.085025	0.812616	0.004482	0.042404	0.016522	0.099472
4 HR	0.154117	0.660345	0.008162	0.035159	0.000273	0.149533
8 HR	0.255888	0.436055	0.013582	0.023226	0.000000	0.197589
12 HR	0.323091	0.287946	0.017162	0.015337	0.000000	0.203607
24 HR	0.416124	0.082913	0.022117	0.004416	0.000000	0.138269
36 HR	0.442913	0.023875	0.023544	0.001272	0.000000	0.072065
48 HR	0.450627	0.006875	0.023955	0.000366	0.	0.033812
60 HR	0.452848	0.001980	0.024073	0.000105	0.	0.015025
72 HR	0.453487	0.000570	0.024107	0.000030	0.	0.006468
84 HR	0.453671	0.000164	0.024117	0.000009	0.	0.002730
96 HR	0.453724	0.000047	0.024120	0.000003	0.	0.001137
108 HR	0.453740	0.000014	0.024121	0.000001	0.	0.000470
120 HR	0.453744	0.000004	0.024121	0.000000	0.	0.000193
132 HR	0.453745	0.000001	0.024121	0.000000	0.	0.000079

SATURATED IODINE 0.453746
SATURATED XENON 0.024121

TIME HOURS	A	IODINE B	MW/KG C	7.80 XENON D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	1.000000	0.000003	0.000144	1.000000	0.024133
5 SEC	0.000006	0.999856	0.000003	0.000144	0.997121	0.024196
10 SEC	0.000132	0.999712	0.000007	0.000287	0.994246	0.024260
30 SEC	0.000397	0.999136	0.000020	0.000857	0.982840	0.024514
60 SEC	0.000794	0.998272	0.000041	0.001698	0.965872	0.024996
2 MIN	0.001587	0.996548	0.000081	0.003335	0.931033	0.025667
5 MIN	0.003179	0.992837	0.000205	0.007305	0.841054	0.027862
10 MIN	0.006357	0.985879	0.000403	0.014483	0.707371	0.031652
30 MIN	0.012716	0.949448	0.001901	0.031307	0.353850	0.044840
60 MIN	0.025432	0.901432	0.003547	0.040805	0.125281	0.065885
2 HR	0.048129	0.812616	0.006497	0.041896	0.015695	0.100304
4 HR	0.156119	0.660345	0.008176	0.034703	0.000246	0.151261
8 HR	0.269211	0.436055	0.013596	0.022924	0.000000	0.199990
12 HR	0.372727	0.287946	0.017175	0.015138	0.000000	0.206129
24 HR	0.421529	0.082913	0.021229	0.004359	0.000000	0.140015
48 HR	0.448665	0.023875	0.023556	0.001255	0.000000	0.072981
96 HR	0.458729	0.006875	0.023966	0.000361	0.0.034543	0.034543
192 HR	0.459317	0.001980	0.024085	0.000104	0.0.015317	0.006561
72 HR	0.459317	0.000570	0.024119	0.000030	0.0.002765	0.002765
84 HR	0.459353	0.000144	0.024129	0.000009	0.0.001152	0.001152
96 HR	0.459617	0.000047	0.024131	0.000002	0.0.000476	0.000476
108 HR	0.459632	0.000014	0.024132	0.000001	0.0.000195	0.000195
120 HR	0.459637	0.000004	0.024132	0.000000	0.0.000080	0.000080
132 HR	0.459638	0.000001	0.024133	0.000000	0.0.000000	0.000000

SATURATED IODINE 0.459639
SATURATED XENON 0.024133

TIME HOURS	A	IODINE B	MW/KG C	8.00 XENON D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	1.000000	0.000003	0.000144	1.000000	0.024154
5 SEC	0.000006	0.999856	0.000003	0.000144	0.997050	0.024220
10 SEC	0.000136	0.999712	0.000007	0.000287	0.994104	0.024285
30 SEC	0.000397	0.999136	0.000021	0.000857	0.982419	0.024547
60 SEC	0.000794	0.998272	0.000042	0.001697	0.965146	0.024938
2 MIN	0.001587	0.996548	0.000083	0.003333	0.931308	0.025719
5 MIN	0.003179	0.992837	0.000208	0.007387	0.831764	0.028049
10 MIN	0.006357	0.985879	0.000414	0.014425	0.701345	0.031884
30 MIN	0.012716	0.949448	0.001920	0.030972	0.344982	0.046646
60 MIN	0.025432	0.901432	0.003547	0.040092	0.119012	0.067124
2 HR	0.048129	0.812616	0.006497	0.040912	0.014164	0.102568
4 HR	0.156119	0.660345	0.008176	0.033825	0.000201	0.154688
8 HR	0.269211	0.436055	0.013596	0.022443	0.000000	0.204791
12 HR	0.372727	0.287946	0.017199	0.014754	0.000000	0.211173
24 HR	0.421529	0.082913	0.021557	0.004148	0.000000	0.143507
48 HR	0.448665	0.023875	0.023578	0.001223	0.000000	0.074813
96 HR	0.458729	0.006875	0.023966	0.000352	0.0.035105	0.035105
192 HR	0.459317	0.001980	0.024119	0.000104	0.0.015601	0.015601
72 HR	0.459317	0.000570	0.024129	0.000030	0.0.006716	0.006716
84 HR	0.459353	0.000144	0.024131	0.000009	0.0.002635	0.002635
96 HR	0.459617	0.000047	0.024132	0.000002	0.0.001181	0.001181
108 HR	0.459632	0.000014	0.024132	0.000001	0.0.000488	0.000488
120 HR	0.459637	0.000004	0.024132	0.000000	0.0.000200	0.000200
132 HR	0.459638	0.000001	0.024133	0.000000	0.0.000082	0.000082

SATURATED IODINE 0.471424
SATURATED XENON 0.024154

TIME HOURS	A	IODINE B	MW/KG C	8.10 XENON D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	1.000000	0.000004	0.000144	1.000000	0.024165
5 SEC	0.000006	0.999856	0.000004	0.000144	0.997014	0.024231
10 SEC	0.000136	0.999712	0.000007	0.000287	0.994034	0.024297
30 SEC	0.000397	0.999136	0.000021	0.000856	0.982209	0.024562
60 SEC	0.000794	0.998272	0.000042	0.001697	0.964733	0.024959
2 MIN	0.001587	0.996548	0.000084	0.003331	0.930712	0.028150
5 MIN	0.003179	0.992837	0.000230	0.007387	0.835675	0.028110
10 MIN	0.006357	0.985879	0.000418	0.014395	0.708351	0.031995
30 MIN	0.012716	0.949448	0.001230	0.030907	0.345583	0.046948
60 MIN	0.025432	0.901432	0.003539	0.040436	0.113997	0.061693
2 HR	0.048129	0.812616	0.006439	0.040742	0.013455	0.103599
4 HR	0.156119	0.660345	0.008217	0.034303	0.001811	0.154406
8 HR	0.269211	0.436055	0.013654	0.022064	0.000000	0.207192
12 HR	0.372727	0.287946	0.017191	0.014570	0.000000	0.215694
24 HR	0.421529	0.082913	0.021551	0.004161	0.000000	0.147263
48 HR	0.448665	0.023875	0.023578	0.001265	0.000000	0.078729
96 HR	0.458729	0.006875	0.023966	0.000340	0.0.015792	0.015792
192 HR	0.459317	0.001980	0.024119	0.000100	0.0.006799	0.006799
72 HR	0.459317	0.000570	0.024129	0.000029	0.0.002870	0.002870
84 HR	0.459353	0.000144	0.024131	0.000008	0.0.001196	0.001196
96 HR	0.459617	0.000047	0.024132	0.000002	0.0.000494	0.000494
108 HR	0.459632	0.000014	0.024132	0.000001	0.0.000203	0.000203
120 HR	0.459637	0.000004	0.024132	0.000000	0.0.000083	0.000083
132 HR	0.459638	0.000001	0.024165	0.000000	0.0.000000	0.000000

TIME HOURS	IODINE		MW/KG	8.20 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024175
5 SEC	0.000070	0.999856	0.000004	0.000144	0.996979	0.024242
10 SEC	0.000139	0.999712	0.000007	0.000287	0.993963	0.024309
30 SEC	0.000418	0.999136	0.000021	0.000856	0.981999	0.024578
60 SEC	0.000835	0.998272	0.000043	0.001697	0.964320	0.024979
2 MIN	0.001668	0.996548	0.000085	0.003330	0.929916	0.025781
5 MIN	0.004160	0.991392	0.000213	0.007871	0.833890	0.028171
10 MIN	0.008284	0.982857	0.000423	0.014366	0.695371	0.032105
30 MIN	0.024427	0.949448	0.001239	0.030644	0.336240	0.047251
60 MIN	0.047619	0.901452	0.002405	0.039398	0.113058	0.068261
2 HR	0.090546	0.812616	0.004553	0.039970	0.012782	0.104631
4 HR	0.164125	0.660345	0.008230	0.032991	0.000163	0.158124
8 HR	0.272504	0.436055	0.013646	0.021791	0.000000	0.209592
12 HR	0.344071	0.287946	0.017222	0.014389	0.000000	0.216216
24 HR	0.443145	0.082913	0.022173	0.004143	0.000000	0.146999
36 HR	0.471673	0.023875	0.023599	0.001193	0.000000	0.076645
48 HR	0.479888	0.006875	0.024009	0.000344	0.	0.035967
60 HR	0.482253	0.001980	0.024128	0.000099	0.	0.015984
72 HR	0.482934	0.000570	0.024162	0.000028	0.	0.006882
84 HR	0.483131	0.000164	0.024171	0.000008	0.	0.002904
96 HR	0.483187	0.000047	0.024174	0.000002	0.	0.001210
108 HR	0.483203	0.000014	0.024175	0.000001	0.	0.000500
120 HR	0.483208	0.000004	0.024175	0.000000	0.	0.000205
132 HR	0.483209	0.000001	0.024175	0.000000	0.	0.000084

SATURATED IODINE 0.483210
SATURATED XENON 0.024175

TIME HOURS	IODINE		MW/KG	8.30 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024185
5 SEC	0.000070	0.999856	0.000004	0.000144	0.996943	0.024253
10 SEC	0.000141	0.999712	0.000007	0.000287	0.993892	0.024321
30 SEC	0.000423	0.999136	0.000022	0.000856	0.981789	0.024593
60 SEC	0.000845	0.998272	0.000043	0.001696	0.963908	0.025000
2 MIN	0.001689	0.996548	0.000086	0.003328	0.929121	0.025811
5 MIN	0.004210	0.991392	0.000215	0.007863	0.832108	0.028231
10 MIN	0.008385	0.982857	0.000427	0.014338	0.692402	0.032216
30 MIN	0.024725	0.949448	0.001249	0.030481	0.331953	0.047553
60 MIN	0.048200	0.901452	0.002417	0.039058	0.110193	0.068830
2 HR	0.091650	0.812616	0.004566	0.039513	0.012142	0.105662
4 HR	0.166126	0.660345	0.008243	0.032589	0.000147	0.159841
8 HR	0.275827	0.436055	0.013658	0.021525	0.000000	0.211992
12 HR	0.348267	0.287946	0.017233	0.014214	0.000000	0.218737
24 HR	0.448550	0.082913	0.022184	0.004093	0.000000	0.148745
36 HR	0.477426	0.023875	0.023609	0.001178	0.000000	0.077560
48 HR	0.485740	0.006875	0.024019	0.000339	0.	0.036397
60 HR	0.488134	0.001980	0.024138	0.000098	0.	0.016176
72 HR	0.488824	0.000570	0.024172	0.000028	0.	0.006964
84 HR	0.489022	0.000164	0.024181	0.000008	0.	0.002939
96 HR	0.489080	0.000047	0.024184	0.000002	0.	0.001225
108 HR	0.489096	0.000014	0.024185	0.000001	0.	0.000506
120 HR	0.489101	0.000004	0.024185	0.000000	0.	0.000208
132 HR	0.489102	0.000001	0.024185	0.000000	0.	0.000085

SATURATED IODINE 0.489103
SATURATED XENON 0.024185

TIME HOURS	IODINE		MW/KG	8.40 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024195
5 SEC	0.000071	0.999856	0.000004	0.000144	0.996908	0.024264
10 SEC	0.000143	0.999712	0.000007	0.000287	0.993821	0.024333
30 SEC	0.000428	0.999136	0.000022	0.000856	0.981579	0.024608
60 SEC	0.000855	0.998272	0.000044	0.001696	0.963496	0.025020
2 MIN	0.001709	0.996548	0.000087	0.003327	0.928326	0.025841
5 MIN	0.004261	0.991392	0.000217	0.007854	0.830330	0.028292
10 MIN	0.008486	0.982857	0.000431	0.014309	0.689447	0.032326
30 MIN	0.025023	0.949448	0.001258	0.030320	0.327721	0.047854
60 MIN	0.048781	0.901452	0.002429	0.038723	0.107401	0.069398
2 HR	0.092754	0.812616	0.004579	0.039066	0.011535	0.106692
4 HR	0.168128	0.660345	0.008255	0.032196	0.000133	0.161559
8 HR	0.279150	0.436055	0.013669	0.021265	0.000000	0.214392
12 HR	0.352463	0.287946	0.017244	0.014042	0.000000	0.221259
24 HR	0.453954	0.082913	0.022194	0.004043	0.000000	0.150491
36 HR	0.483178	0.023875	0.023619	0.001164	0.000000	0.078476
48 HR	0.491593	0.006875	0.024029	0.000335	0.	0.036828
60 HR	0.494016	0.001980	0.024147	0.000097	0.	0.016368
72 HR	0.494713	0.000570	0.024181	0.000028	0.	0.007047
84 HR	0.494914	0.000164	0.024191	0.000008	0.	0.002974
96 HR	0.494972	0.000047	0.024194	0.000002	0.	0.001239
108 HR	0.494989	0.000014	0.024195	0.000001	0.	0.000512
120 HR	0.494994	0.000004	0.024195	0.000000	0.	0.000210
132 HR	0.494995	0.000001	0.024195	0.000000	0.	0.000086

SATURATED IODINE 0.494995
SATURATED XENON 0.024195

TIME HOURS	IODINE		MW/KG	8.50 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024205
5 SEC	0.000072	0.999856	0.000004	0.000144	0.996872	0.024274
10 SEC	0.000144	0.999712	0.000007	0.000287	0.993750	0.024344
30 SEC	0.000433	0.999136	0.000022	0.000856	0.981369	0.024622
60 SEC	0.000865	0.998272	0.000044	0.001696	0.963084	0.025039
2 MIN	0.001729	0.996548	0.000088	0.003326	0.927532	0.025871
5 MIN	0.004312	0.991392	0.000220	0.007846	0.828556	0.028352
10 MIN	0.008587	0.982857	0.000435	0.014280	0.686504	0.032436
30 MIN	0.025321	0.949448	0.001267	0.030160	0.323542	0.048156
60 MIN	0.049361	0.901452	0.002441	0.038393	0.104679	0.069966
2 HR	0.093859	0.812616	0.004591	0.038628	0.010958	0.107723
4 HR	0.170129	0.660345	0.008267	0.031813	0.000120	0.163276
8 HR	0.282473	0.436055	0.013680	0.021012	0.000000	0.216792
12 HR	0.356659	0.287946	0.017255	0.013875	0.000000	0.223780
24 HR	0.459358	0.082913	0.022204	0.003995	0.000000	0.152237
36 HR	0.488930	0.023875	0.023629	0.001150	0.000000	0.079392
48 HR	0.497445	0.006875	0.024039	0.000331	0.	0.037259
60 HR	0.499897	0.001980	0.024157	0.000095	0.	0.016560
72 HR	0.500603	0.000570	0.024191	0.000027	0.	0.007130
84 HR	0.500806	0.000164	0.024201	0.000008	0.	0.003009
96 HR	0.500865	0.000047	0.024204	0.000002	0.	0.001254
108 HR	0.500881	0.000014	0.024204	0.000001	0.	0.000518
120 HR	0.500886	0.000004	0.024205	0.000000	0.	0.000213
132 HR	0.500888	0.000001	0.024205	0.000000	0.	0.000087

SATURATED IODINE 0.500888
SATURATED XENON 0.024205

TIME HOURS	IODINE		MW/KG	8.60 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024214
5 SEC	0.000073	0.999856	0.000004	0.000144	0.996837	0.024285
10 SEC	0.000146	0.999712	0.000007	0.000287	0.993679	0.024355
30 SEC	0.000438	0.999136	0.000022	0.000856	0.981160	0.024637
60 SEC	0.000876	0.998272	0.000045	0.001695	0.962672	0.025059
2 MIN	0.001750	0.996548	0.000089	0.003324	0.926739	0.025901
5 MIN	0.004363	0.991392	0.000222	0.007838	0.826786	0.028412
10 MIN	0.008688	0.982857	0.000440	0.014251	0.683574	0.032545
30 MIN	0.025619	0.949448	0.001276	0.030001	0.319417	0.048457
60 MIN	0.049942	0.901452	0.002452	0.038067	0.102027	0.070533
2 HR	0.094963	0.812616	0.004603	0.038199	0.010410	0.108754
4 HR	0.172131	0.660345	0.008279	0.031439	0.000108	0.164993
8 HR	0.285797	0.436055	0.013691	0.020764	0.000000	0.219192
12 HR	0.360855	0.287946	0.017266	0.013711	0.000000	0.226301
24 HR	0.464762	0.082913	0.022213	0.003948	0.000000	0.153983
36 HR	0.494682	0.023875	0.023638	0.001137	0.000000	0.080308
48 HR	0.503297	0.006875	0.024048	0.000327	0.	0.037690
60 HR	0.505778	0.001980	0.024166	0.000094	0.	0.016751
72 HR	0.506492	0.000570	0.024200	0.000027	0.	0.007212
84 HR	0.506698	0.000164	0.024210	0.000008	0.	0.003044
96 HR	0.506757	0.000047	0.024213	0.000002	0.	0.001268
108 HR	0.506774	0.000014	0.024214	0.000001	0.	0.000524
120 HR	0.506779	0.000004	0.024214	0.000000	0.	0.000215
132 HR	0.506780	0.000001	0.024214	0.000000	0.	0.000088

SATURATED IODINE 0.506781
SATURATED XENON 0.024214

TIME HOURS	IODINE		MW/KG	8.70 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024223
5 SEC	0.000074	0.999856	0.000004	0.000144	0.996801	0.024295
10 SEC	0.000148	0.999712	0.000008	0.000287	0.993608	0.024366
30 SEC	0.000443	0.999136	0.000023	0.000856	0.980950	0.024651
60 SEC	0.000886	0.998272	0.000045	0.001695	0.962260	0.025078
2 MIN	0.001770	0.996548	0.000090	0.003323	0.925947	0.025930
5 MIN	0.004413	0.991392	0.000224	0.007830	0.825020	0.028471
10 MIN	0.008789	0.982857	0.000444	0.014223	0.680656	0.032655
30 MIN	0.025917	0.949448	0.001285	0.029843	0.315344	0.048758
60 MIN	0.050523	0.901452	0.002464	0.037745	0.099442	0.071101
2 HR	0.096067	0.812616	0.004615	0.037779	0.009889	0.109784
4 HR	0.174132	0.660345	0.008290	0.031074	0.000098	0.166710
8 HR	0.289120	0.436055	0.013702	0.020522	0.000000	0.221591
12 HR	0.365051	0.287946	0.017276	0.013552	0.000000	0.228822
24 HR	0.470166	0.082913	0.022223	0.003902	0.000000	0.155729
36 HR	0.500434	0.023875	0.023647	0.001124	0.000000	0.081223
48 HR	0.509149	0.006875	0.024058	0.000324	0.	0.038121
60 HR	0.511659	0.001980	0.024176	0.000093	0.	0.016943
72 HR	0.512382	0.000570	0.024210	0.000027	0.	0.007295
84 HR	0.512590	0.000164	0.024219	0.000008	0.	0.003079
96 HR	0.512650	0.000047	0.024222	0.000002	0.	0.001283
108 HR	0.512667	0.000014	0.024223	0.000001	0.	0.000530
120 HR	0.512672	0.000004	0.024223	0.000000	0.	0.000218
132 HR	0.512673	0.000001	0.024223	0.000000	0.	0.000089

SATURATED IODINE 0.512674
SATURATED XENON 0.024223

TIME HOURS	IODINE		MW/KG	8.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024232
5 SEC	0.000075	0.999856	0.000004	0.000144	0.996766	0.024305
10 SEC	0.000149	0.999712	0.000008	0.000287	0.993538	0.024377
30 SEC	0.000448	0.999136	0.000023	0.000856	0.980740	0.024665
60 SEC	0.000896	0.998272	0.000046	0.001695	0.961849	0.025097
2 MIN	0.001790	0.996548	0.000091	0.003321	0.925155	0.025960
5 MIN	0.004464	0.991392	0.000227	0.007822	0.823257	0.028531
10 MIN	0.008890	0.982857	0.000448	0.014194	0.677751	0.032764
30 MIN	0.026214	0.949448	0.001294	0.029687	0.311323	0.049059
60 MIN	0.051104	0.901452	0.002475	0.037428	0.096922	0.071668
2 HR	0.097171	0.812616	0.004627	0.037367	0.009394	0.110814
4 HR	0.176134	0.660345	0.008302	0.030716	0.000088	0.168427
8 HR	0.292443	0.436055	0.013713	0.020286	0.000000	0.223991
12 HR	0.369247	0.287946	0.017286	0.013396	0.000000	0.231343
24 HR	0.475571	0.082913	0.022232	0.003857	0.000000	0.157474
36 HR	0.506186	0.023875	0.023656	0.001111	0.000000	0.082139
48 HR	0.515002	0.006875	0.024067	0.000320	0.	0.038552
60 HR	0.517540	0.001980	0.024185	0.000092	0.	0.017135
72 HR	0.518271	0.000570	0.024219	0.000027	0.	0.007378
84 HR	0.518482	0.000164	0.024228	0.000008	0.	0.003114
96 HR	0.518542	0.000047	0.024231	0.000002	0.	0.001297
108 HR	0.518560	0.000014	0.024232	0.000001	0.	0.000536
120 HR	0.518565	0.000004	0.024232	0.000000	0.	0.000220
132 HR	0.518566	0.000001	0.024232	0.000000	0.	0.000090

SATURATED IODINE 0.518567
SATURATED XENON 0.024232

TIME HOURS	IODINE		MW/KG	8.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024241
5 SEC	0.000076	0.999856	0.000004	0.000144	0.996730	0.024314
10 SEC	0.000151	0.999712	0.000008	0.000287	0.993467	0.024387
30 SEC	0.000453	0.999136	0.000023	0.000856	0.980530	0.024679
60 SEC	0.000906	0.998272	0.000046	0.001694	0.961437	0.025116
2 MIN	0.001811	0.996548	0.000092	0.003320	0.924364	0.025989
5 MIN	0.004515	0.991392	0.000229	0.007814	0.821498	0.028590
10 MIN	0.008991	0.982857	0.000453	0.014166	0.674858	0.032873
30 MIN	0.026512	0.949448	0.001302	0.029532	0.307354	0.049360
60 MIN	0.051684	0.901452	0.002486	0.037115	0.094466	0.072235
2 HR	0.098275	0.812616	0.004639	0.036964	0.008924	0.111844
4 HR	0.178136	0.660345	0.008313	0.030367	0.000080	0.170144
8 HR	0.295766	0.436055	0.013723	0.020055	0.000000	0.226390
12 HR	0.373443	0.287946	0.017296	0.013243	0.000000	0.233864
24 HR	0.480975	0.082913	0.022241	0.003813	0.000000	0.159220
36 HR	0.511938	0.023875	0.023665	0.001098	0.000000	0.083055
48 HR	0.520854	0.006875	0.024075	0.000316	0.	0.038983
60 HR	0.523421	0.001980	0.024193	0.000091	0.	0.017327
72 HR	0.524160	0.000570	0.024227	0.000026	0.	0.007460
84 HR	0.524373	0.000164	0.024237	0.000008	0.	0.003149
96 HR	0.524435	0.000047	0.024240	0.000002	0.	0.001312
108 HR	0.524452	0.000014	0.024241	0.000001	0.	0.000542
120 HR	0.524457	0.000004	0.024241	0.000000	0.	0.000222
132 HR	0.524459	0.000001	0.024241	0.000000	0.	0.000091

SATURATED IODINE 0.524459
SATURATED XENON 0.024241

TIME HOURS	MW/KG		9.00		SHUTDOWN TRANSIENT	
	IODINE A	XENON B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024250
5 SEC	0.000076	0.999856	0.000004	0.000144	0.999695	0.024324
10 SEC	0.000153	0.999712	0.000008	0.000287	0.999396	0.024398
30 SEC	0.000458	0.999136	0.000023	0.000856	0.980321	0.024693
60 SEC	0.000916	0.998272	0.000047	0.001694	0.961026	0.025135
2 MIN	0.001831	0.996548	0.000093	0.003319	0.923573	0.026018
5 MIN	0.004565	0.991392	0.000231	0.007806	0.819743	0.028649
10 MIN	0.009092	0.982857	0.000457	0.014137	0.671978	0.032982
30 MIN	0.026810	0.949448	0.001311	0.029378	0.303435	0.049661
60 MIN	0.052265	0.901452	0.002497	0.036807	0.092073	0.072802
2 HR	0.099380	0.812616	0.004650	0.036568	0.008477	0.112874
4 HR	0.180137	0.660345	0.008324	0.030026	0.000072	0.171861
8 HR	0.299090	0.436055	0.013733	0.019830	0.000000	0.228790
12 HR	0.377639	0.287946	0.017305	0.013094	0.000000	0.236385
24 HR	0.486379	0.082913	0.022250	0.003770	0.000000	0.160966
36 HR	0.517690	0.023875	0.023674	0.001086	0.000000	0.083970
48 HR	0.526706	0.006875	0.024084	0.000313	0.	0.039414
60 HR	0.529302	0.001980	0.024202	0.000090	0.	0.017519
72 HR	0.530050	0.000570	0.024236	0.000026	0.	0.007543
84 HR	0.530265	0.000164	0.024246	0.000007	0.	0.003184
96 HR	0.530327	0.000047	0.024249	0.000002	0.	0.001326
108 HR	0.530345	0.000014	0.024249	0.000001	0.	0.000548
120 HR	0.530350	0.000004	0.024250	0.000000	0.	0.000225
132 HR	0.530352	0.000001	0.024250	0.000000	0.	0.000092

SATURATED IODINE 0.530352
SATURATED XENON 0.024250

TIME HOURS	MW/KG		9.10		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000077	0.999856	0.000004	0.000144	0.998659
10 SEC	0.000155	0.999712	0.000008	0.000287	0.998325
30 SEC	0.000463	0.999136	0.000024	0.000856	0.980111
60 SEC	0.000926	0.998272	0.000047	0.001693	0.960615
2 MIN	0.001851	0.996548	0.000094	0.003317	0.922784
5 MIN	0.004616	0.991392	0.000234	0.007798	0.817992
10 MIN	0.009193	0.982857	0.000461	0.014109	0.669109
30 MIN	0.027108	0.949448	0.001320	0.029225	0.299566
60 MIN	0.052846	0.901452	0.002507	0.036502	0.089740
2 HR	0.100484	0.812616	0.004661	0.036181	0.008053
4 HR	0.182139	0.660345	0.008334	0.029692	0.000065
8 HR	0.302413	0.436055	0.013743	0.019609	0.000000
12 HR	0.381835	0.287946	0.017315	0.012949	0.000000
24 HR	0.491783	0.082913	0.022259	0.003729	0.000000
36 HR	0.523442	0.023875	0.023682	0.001074	0.000000
48 HR	0.532559	0.006875	0.024092	0.000309	0.
60 HR	0.535184	0.001980	0.024210	0.000089	0.
72 HR	0.535939	0.000570	0.024244	0.000026	0.
84 HR	0.536157	0.000164	0.024254	0.000007	0.
96 HR	0.536220	0.000047	0.024257	0.000002	0.
108 HR	0.536238	0.000014	0.024258	0.000001	0.
120 HR	0.536243	0.000004	0.024258	0.000000	0.
132 HR	0.536244	0.000001	0.024258	0.000000	0.

SATURATED IODINE 0.536245
SATURATED XENON 0.024258

TIME HOURS	MW/KG		9.20		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000078	0.999856	0.000004	0.000144	0.999624
10 SEC	0.000156	0.999712	0.000008	0.000287	0.999325
30 SEC	0.000468	0.999136	0.000024	0.000855	0.979901
60 SEC	0.000937	0.998272	0.000048	0.001693	0.960204
2 MIN	0.001872	0.996548	0.000095	0.003316	0.921994
5 MIN	0.004667	0.991392	0.000236	0.007790	0.816244
10 MIN	0.009294	0.982857	0.000465	0.014081	0.666253
30 MIN	0.027406	0.949448	0.001328	0.029073	0.295746
60 MIN	0.053427	0.901452	0.002518	0.036202	0.087466
2 HR	0.101588	0.812616	0.004672	0.035800	0.007650
4 HR	0.184140	0.660345	0.008345	0.029366	0.000059
8 HR	0.305736	0.436055	0.013753	0.019393	0.000000
12 HR	0.386031	0.287946	0.017324	0.012806	0.000000
24 HR	0.497187	0.082913	0.022267	0.003688	0.000000
36 HR	0.529195	0.023875	0.023691	0.001062	0.000000
48 HR	0.538411	0.006875	0.024101	0.000306	0.
60 HR	0.541065	0.001980	0.024219	0.000088	0.
72 HR	0.541829	0.000570	0.024253	0.000025	0.
84 HR	0.542049	0.000164	0.024263	0.000007	0.
96 HR	0.542112	0.000047	0.024265	0.000002	0.
108 HR	0.542130	0.000014	0.024266	0.000001	0.
120 HR	0.542136	0.000004	0.024266	0.000000	0.
132 HR	0.542137	0.000001	0.024266	0.000000	0.

SATURATED IODINE 0.542138
SATURATED XENON 0.024266

TIME HOURS	MW/KG		9.30		SHUTDOWN TRANSIENT	
	IODINE A	B	C	XENON D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024275
5 SEC	0.000079	0.999856	0.000004	0.000144	0.999658	0.024351
10 SEC	0.000158	0.999712	0.000008	0.000287	0.999318	0.024427
30 SEC	0.000474	0.999136	0.000024	0.000855	0.979692	0.024733
60 SEC	0.000947	0.998272	0.000048	0.001693	0.959794	0.025190
2 MIN	0.001892	0.996548	0.000096	0.003314	0.921206	0.026103
5 MIN	0.004718	0.991392	0.000238	0.007782	0.814501	0.028825
10 MIN	0.009395	0.982857	0.000469	0.014053	0.663409	0.033308
30 MIN	0.027704	0.949448	0.001336	0.028923	0.291975	0.050561
60 MIN	0.054007	0.901452	0.002528	0.035905	0.085250	0.074502
2 HR	0.102692	0.812616	0.004683	0.035428	0.007267	0.115962
4 HR	0.186142	0.660345	0.008355	0.029047	0.000053	0.177010
8 HR	0.309059	0.436055	0.013762	0.019182	0.000000	0.235987
12 HR	0.390227	0.287946	0.017333	0.012667	0.000000	0.243947
24 HR	0.502592	0.082913	0.022276	0.003647	0.000000	0.166203
36 HR	0.534947	0.023875	0.023699	0.001050	0.	0.086177
48 HR	0.544263	0.006875	0.024109	0.000302	0.	0.040707
60 HR	0.546946	0.001980	0.024227	0.000087	0.	0.018094
72 HR	0.547718	0.000570	0.024261	0.000025	0.	0.007791
84 HR	0.547941	0.000164	0.024271	0.000007	0.	0.003288
96 HR	0.548005	0.000047	0.024273	0.000002	0.	0.001370
108 HR	0.548023	0.000014	0.024274	0.000001	0.	0.000566
120 HR	0.548028	0.000004	0.024274	0.000000	0.	0.000232
132 HR	0.548030	0.000001	0.024275	0.000000	0.	0.000095

SATURATED IODINE 0.548031
SATURATED XENON 0.024275

TIME HOURS	IODINE		MW/KG	9.80		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024312
5 SEC	0.000083	0.999856	0.000004	0.000144	0.996411	0.024393
10 SEC	0.000186	0.999712	0.000009	0.000287	0.992829	0.024474
30 SEC	0.000499	0.999136	0.000025	0.000855	0.978645	0.024798
60 SEC	0.000998	0.998272	0.000051	0.001691	0.957743	0.025279
2 MIN	0.001994	0.996548	0.000101	0.003307	0.917274	0.026243
5 MIN	0.004971	0.991392	0.000250	0.007741	0.805837	0.029116
10 MIN	0.009900	0.982857	0.000490	0.013913	0.649371	0.033847
30 MIN	0.029193	0.949448	0.001377	0.028187	0.273830	0.052060
60 MIN	0.056911	0.901452	0.002577	0.034481	0.074983	0.077333
2 HR	0.108213	0.812616	0.004733	0.033668	0.005622	0.121107
4 HR	0.196149	0.660345	0.008403	0.027549	0.000032	0.185589
8 HR	0.325675	0.436055	0.013806	0.018192	0.000000	0.247981
12 HR	0.411207	0.287946	0.017375	0.012013	0.000000	0.256550
24 HR	0.529613	0.082913	0.022315	0.003459	0.000000	0.174931
36 HR	0.563707	0.023875	0.023737	0.000996	0.	0.091295
48 HR	0.573525	0.006875	0.024147	0.000287	0.	0.042861
60 HR	0.576351	0.001980	0.024265	0.000083	0.	0.019053
72 HR	0.577165	0.000570	0.024299	0.000024	0.	0.008204
84 HR	0.577400	0.000164	0.024309	0.000007	0.	0.003463
96 HR	0.577467	0.000047	0.024311	0.000002	0.	0.001443
108 HR	0.577487	0.000014	0.024312	0.000001	0.	0.000596
120 HR	0.577492	0.000004	0.024312	0.000000	0.	0.000245
132 HR	0.577494	0.000001	0.024312	0.000000	0.	0.000100

SATURATED IODINE 0.577495
SATURATED XENON 0.024312

TIME HOURS	MW/KG		9.90		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000084	0.999856	0.000004	0.000144	0.996375
10 SEC	0.000168	0.999712	0.000009	0.000287	0.992759
30 SEC	0.000504	0.999136	0.000026	0.000855	0.978435
60 SEC	0.001008	0.998272	0.000051	0.001691	0.957333
2 MIN	0.002014	0.996548	0.000102	0.003306	0.916490
5 MIN	0.005022	0.991392	0.000252	0.007733	0.804115
10 MIN	0.010001	0.982857	0.000494	0.013886	0.646600
30 MIN	0.029491	0.949448	0.001385	0.028043	0.270338
60 MIN	0.057492	0.901452	0.002586	0.034207	0.073083
2 HR	0.109318	0.812616	0.004742	0.033336	0.005341
4 HR	0.198151	0.660345	0.008412	0.027267	0.000029
8 HR	0.328998	0.436055	0.013815	0.018007	0.000000
12 HR	0.415403	0.287946	0.017383	0.011891	0.000000
24 HR	0.535017	0.082913	0.022322	0.003424	0.000000
36 HR	0.569459	0.023875	0.023744	0.000986	0.
48 HR	0.579377	0.006875	0.024154	0.000284	0.
60 HR	0.582233	0.001980	0.024272	0.000082	0.
72 HR	0.583055	0.000570	0.024306	0.000024	0.
84 HR	0.583292	0.000164	0.024316	0.000007	0.
96 HR	0.583360	0.000047	0.024318	0.000002	0.
108 HR	0.583379	0.000014	0.024319	0.000001	0.
120 HR	0.583385	0.000004	0.024320	0.000000	0.
132 HR	0.583387	0.000001	0.024320	0.000000	0.

SATURATED IODINE 0.583387
SATURATED XENON 0.024320

	MW/KG		10.00			
TIME	IODINE		XENON			SHUTDOWN
HOURS	A	B	C	D	E	TRANSIENT

0 SEC	0.	1.000000	0.	0.	1.000000	0.024327
5 SEC	0.000085	0.999856	0.000004	0.000144	0.996340	0.024409
10 SEC	0.000170	0.999712	0.000009	0.000287	0.992688	0.024491
30 SEC	0.000509	0.999136	0.000026	0.000855	0.978226	0.024820
60 SEC	0.001018	0.998272	0.000052	0.001690	0.956924	0.025314
2 MIN	0.002034	0.996548	0.000103	0.003305	0.915706	0.026297
5 MIN	0.005073	0.991392	0.000255	0.007725	0.802397	0.029231
10 MIN	0.010102	0.982857	0.000498	0.013858	0.643840	0.034062
30 MIN	0.029789	0.949448	0.001393	0.027901	0.266891	0.052658
60 MIN	0.058072	0.901452	0.002596	0.033937	0.071231	0.078464
2 HR	0.110422	0.812616	0.004751	0.033010	0.005074	0.123164
4 HR	0.200152	0.660345	0.008420	0.026992	0.000026	0.189020
8 HR	0.332322	0.436055	0.013823	0.017825	0.000000	0.252778
12 HR	0.419599	0.287946	0.017391	0.011770	0.000000	0.261590
24 HR	0.540421	0.082913	0.022329	0.003389	0.000000	0.178422
36 HR	0.575211	0.023875	0.023752	0.000976	0.	0.093127
48 HR	0.585229	0.006875	0.024161	0.000281	0.	0.043723
60 HR	0.588114	0.001980	0.024279	0.000081	0.	0.019437
72 HR	0.588944	0.000570	0.024313	0.000023	0.	0.008369
84 HR	0.589184	0.000164	0.024323	0.000007	0.	0.003533
96 HR	0.589252	0.000047	0.024325	0.000002	0.	0.001472
108 HR	0.589272	0.000014	0.024326	0.000001	0.	0.000608
120 HR	0.589278	0.000004	0.024327	0.000000	0.	0.000250
132 HR	0.589280	0.000001	0.024327	0.000000	0.	0.000102

SATURATED IODINE 0.589280
SATURATED XENON 0.024327

TIME HOURS	MW/KG		10.10		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000086	0.999856	0.000004	0.000144	0.996304
10 SEC	0.000171	0.999712	0.000009	0.000287	0.992617
30 SEC	0.000514	0.999136	0.000026	0.000855	0.978017
60 SEC	0.001028	0.998272	0.000052	0.001690	0.956515
2 MIN	0.002055	0.996548	0.000104	0.003303	0.914923
5 MIN	0.005123	0.991392	0.000257	0.007718	0.800683
10 MIN	0.010203	0.982857	0.000502	0.013830	0.641092
30 MIN	0.030087	0.949448	0.001400	0.027759	0.263488
60 MIN	0.058653	0.901452	0.002605	0.033670	0.069426
2 HR	0.111526	0.812616	0.004760	0.032690	0.004820
4 HR	0.202154	0.660345	0.008429	0.026722	0.000023
8 HR	0.335645	0.436055	0.013831	0.017646	0.000000
12 HR	0.423795	0.287946	0.017398	0.011652	0.000000
24 HR	0.545825	0.082913	0.022337	0.003355	0.000000
36 HR	0.580964	0.023875	0.023758	0.000966	0.
48 HR	0.591081	0.006875	0.024168	0.000278	0.
60 HR	0.593995	0.001980	0.024286	0.000080	0.
72 HR	0.594834	0.000570	0.024320	0.000023	0.
84 HR	0.595075	0.000164	0.024330	0.000007	0.
96 HR	0.595145	0.000047	0.024332	0.000002	0.
108 HR	0.595165	0.000014	0.024333	0.000001	0.
120 HR	0.595171	0.000004	0.024333	0.000000	0.
132 HR	0.595172	0.000001	0.024333	0.000000	0.

SATURATED IODINE 0.595173
SATURATED XENON 0.024333

TIME HOURS	MW/KG		10.60		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024366
5 SEC	0.000090	0.999856	0.000005	0.000144	0.996127	0.024453
10 SEC	0.000180	0.999712	0.000009	0.000287	0.992263	0.024541
30 SEC	0.000540	0.999136	0.000028	0.000854	0.976972	0.024890
60 SEC	0.001079	0.998272	0.000055	0.001688	0.954471	0.025414
2 MIN	0.002156	0.996548	0.000109	0.003296	0.911018	0.026459
5 MIN	0.005377	0.991392	0.000268	0.007678	0.792166	0.029574
10 MIN	0.010708	0.982857	0.000522	0.013694	0.627526	0.034703
30 MIN	0.031576	0.949448	0.001438	0.027067	0.247113	0.054449
60 MIN	0.061557	0.901452	0.002648	0.032387	0.061065	0.081855
2 HR	0.117047	0.812616	0.004803	0.031173	0.003729	0.129332
4 HR	0.212161	0.660345	0.008470	0.025448	0.000014	0.199310
8 HR	0.352261	0.436055	0.013869	0.016805	0.000000	0.267167
12 HR	0.444775	0.287946	0.017434	0.011097	0.000000	0.276711
24 HR	0.572846	0.082913	0.022370	0.003195	0.000000	0.188894
36 HR	0.609724	0.023875	0.023791	0.000920	0.	0.098620
48 HR	0.620343	0.006875	0.024200	0.000265	0.	0.046308
60 HR	0.623401	0.001980	0.024318	0.000076	0.	0.020588
72 HR	0.624281	0.000570	0.024352	0.000022	0.	0.008865
84 HR	0.624534	0.000164	0.024362	0.000006	0.	0.003742
96 HR	0.624607	0.000047	0.024365	0.000002	0.	0.001559
108 HR	0.624629	0.000014	0.024366	0.000001	0.	0.000644
120 HR	0.624635	0.000004	0.024366	0.000000	0.	0.000264
132 HR	0.624636	0.000001	0.024366	0.000000	0.	0.000100

SATURATED IODINE 0.624637
SATURATED XENON 0.024366

TIME HOURS	MW/KG		10.70		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000091	0.999856	0.000005	0.000144	0.996091
10 SEC	0.000182	0.999712	0.000009	0.000287	0.992193
30 SEC	0.000545	0.999136	0.000028	0.000854	0.976763
60 SEC	0.001089	0.998272	0.000055	0.001688	0.954053
2 MIN	0.002177	0.996548	0.000110	0.003295	0.910239
5 MIN	0.005428	0.991392	0.000270	0.007670	0.790474
10 MIN	0.010809	0.982857	0.000526	0.013667	0.624847
30 MIN	0.031874	0.949448	0.001445	0.026932	0.243952
60 MIN	0.062137	0.901452	0.002656	0.032141	0.059518
2 HR	0.118151	0.812616	0.004811	0.030886	0.003542
4 HR	0.214163	0.660345	0.008477	0.025208	0.000013
8 HR	0.355584	0.436055	0.013876	0.016646	0.000000
12 HR	0.448971	0.287946	0.017441	0.010992	0.000000
24 HR	0.578251	0.082913	0.022376	0.003165	0.000000
36 HR	0.615476	0.023875	0.023797	0.000911	0.
48 HR	0.626195	0.006875	0.024207	0.000262	0.
60 HR	0.629282	0.001980	0.024324	0.000076	0.
72 HR	0.630170	0.000570	0.024358	0.000022	0.
84 HR	0.630426	0.000164	0.024368	0.000006	0.
96 HR	0.630500	0.000047	0.024371	0.000002	0.
108 HR	0.630521	0.000014	0.024372	0.000001	0.
120 HR	0.630527	0.000004	0.024372	0.000000	0.
132 HR	0.630529	0.000001	0.024372	0.000000	0.

SATURATED IODINE 0.630530
SATURATED XENON 0.024372

TIME HOURS	MW/KG		10.80		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024378
5 SEC	0.000092	0.999856	0.000005	0.000144	0.996056	0.024467
10 SEC	0.000183	0.999712	0.000009	0.000287	0.992122	0.024556
30 SEC	0.000550	0.999136	0.000028	0.000854	0.976554	0.024913
60 SEC	0.001100	0.998272	0.000056	0.001687	0.953655	0.025446
2 MIN	0.002197	0.996548	0.000111	0.003293	0.909460	0.026511
5 MIN	0.005479	0.991392	0.000273	0.007662	0.788785	0.029687
10 MIN	0.010910	0.982857	0.000530	0.013640	0.622180	0.034916
30 MIN	0.032172	0.949448	0.001452	0.026797	0.240852	0.055046
60 MIN	0.062718	0.901452	0.002664	0.031897	0.058010	0.082984
2 HR	0.119256	0.812616	0.004819	0.030604	0.003365	0.131387
4 HR	0.216164	0.660345	0.008485	0.024972	0.000011	0.202740
8 HR	0.358907	0.436055	0.013883	0.016490	0.000000	0.271963
12 HR	0.453167	0.287946	0.017448	0.010889	0.000000	0.281750
24 HR	0.583655	0.082913	0.022383	0.003136	0.000000	0.192385
36 HR	0.621228	0.023875	0.023804	0.000903	0.	0.100451
48 HR	0.632047	0.006875	0.024213	0.000260	0.	0.047170
60 HR	0.635163	0.001980	0.024330	0.000075	0.	0.020971
72 HR	0.636060	0.000570	0.024364	0.000022	0.	0.009031
84 HR	0.636318	0.000164	0.024374	0.000006	0.	0.003812
96 HR	0.636393	0.000047	0.024377	0.000002	0.	0.001588
108 HR	0.636414	0.000014	0.024378	0.000001	0.	0.000656
120 HR	0.636420	0.000004	0.024378	0.000000	0.	0.000269
132 HR	0.636422	0.000001	0.024378	0.000000	0.	0.000110

SATURATED IODINE 0.636423
SATURATED XENON 0.024378

TIME HOURS	IODINE		MW/KG	10.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024384
5 SEC	0.000092	0.999856	0.000005	0.000144	0.996020	0.024474
10 SEC	0.000185	0.999712	0.000009	0.000287	0.992051	0.024564
30 SEC	0.000555	0.999136	0.000028	0.000854	0.976345	0.024924
60 SEC	0.001110	0.998272	0.000056	0.001687	0.953247	0.025462
2 MIN	0.002217	0.996548	0.000112	0.003292	0.908683	0.026538
5 MIN	0.005529	0.991392	0.000275	0.007654	0.787100	0.029743
10 MIN	0.011011	0.982857	0.000534	0.013613	0.619525	0.035022
30 MIN	0.032470	0.949448	0.001459	0.026664	0.237731	0.055344
60 MIN	0.063299	0.901452	0.002672	0.031656	0.056540	0.083548
2 HR	0.120360	0.812616	0.004827	0.030326	0.003197	0.132415
4 HR	0.218166	0.660345	0.008492	0.024741	0.000010	0.204454
8 HR	0.362231	0.436055	0.013890	0.016338	0.000000	0.274361
12 HR	0.457363	0.287946	0.017454	0.010788	0.000000	0.284270
24 HR	0.589059	0.082913	0.022389	0.003106	0.000000	0.194130
36 HR	0.626980	0.023875	0.023809	0.000895	0.	0.101366
48 HR	0.637900	0.006875	0.024219	0.000258	0.	0.047601
60 HR	0.641044	0.001980	0.024336	0.000074	0.	0.021163
72 HR	0.641949	0.000570	0.024370	0.000021	0.	0.009113
84 HR	0.642210	0.000164	0.024380	0.000006	0.	0.003847
96 HR	0.642285	0.000047	0.024383	0.000002	0.	0.001603
108 HR	0.642307	0.000014	0.024384	0.000001	0.	0.000662
120 HR	0.642313	0.000004	0.024384	0.000000	0.	0.000272
132 HR	0.642315	0.000001	0.024384	0.000000	0.	0.000111

SATURATED IODINE 0.642315
SATURATED XENON 0.024384

TIME HOURS	MW/KG		11.80		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000100	0.999856	0.000005	0.000144	0.995701
10 SEC	0.000200	0.999712	0.000010	0.000287	0.991415
30 SEC	0.000601	0.999136	0.000031	0.000853	0.974468
60 SEC	0.001201	0.998272	0.000061	0.001684	0.949584
2 MIN	0.002401	0.996548	0.000121	0.003280	0.901713
5 MIN	0.005986	0.991392	0.000295	0.007584	0.772094
10 MIN	0.011920	0.982857	0.000568	0.013374	0.596128
30 MIN	0.035151	0.949448	0.001520	0.025508	0.211845
60 MIN	0.068525	0.901452	0.002739	0.029622	0.044879
2 HR	0.130298	0.812616	0.004891	0.028032	0.002014
4 HR	0.236180	0.660345	0.008554	0.022836	0.000004
8 HR	0.392140	0.436055	0.013947	0.015080	0.000000
12 HR	0.495127	0.287946	0.017509	0.009958	0.000000
24 HR	0.673697	0.082913	0.022439	0.002867	0.000000
36 HR	0.678749	0.023875	0.023859	0.000826	0.
48 HR	0.690570	0.006875	0.024268	0.000238	0.
60 HR	0.693974	0.001980	0.024385	0.000068	0.
72 HR	0.694954	0.000570	0.024419	0.000020	0.
84 HR	0.695236	0.000164	0.024429	0.000006	0.
96 HR	0.695318	0.000047	0.024432	0.000002	0.
108 HR	0.695341	0.000014	0.024433	0.000000	0.
120 HR	0.695348	0.000004	0.024433	0.000000	0.
132 HR	0.695350	0.000001	0.024433	0.000000	0.

SATURATED IODINE 0.695351
SATURATED XENON 0.024433

TIME HOURS	MW/KG		11.90		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000101	0.999856	0.000005	0.000144	0.995666
10 SEC	0.000202	0.999712	0.000010	0.000287	0.991344
30 SEC	0.000606	0.999136	0.000031	0.000853	0.974259
60 SEC	0.001212	0.998272	0.000062	0.001683	0.949178
2 MIN	0.002421	0.996548	0.000122	0.003278	0.900942
5 MIN	0.006037	0.991392	0.000297	0.007576	0.770445
10 MIN	0.012021	0.982857	0.000572	0.013348	0.593583
30 MIN	0.035449	0.949448	0.001526	0.025384	0.209144
60 MIN	0.069106	0.901452	0.002745	0.029410	0.043741
2 HR	0.131402	0.812616	0.004898	0.027798	0.001913
4 HR	0.238181	0.660345	0.008560	0.022642	0.000004
8 HR	0.395463	0.436055	0.013953	0.014952	0.000000
12 HR	0.499323	0.287946	0.017514	0.009873	0.000000
24 HR	0.643101	0.082913	0.022444	0.002843	0.000000
36 HR	0.684502	0.023875	0.023864	0.000819	0.
48 HR	0.696423	0.006875	0.024273	0.000236	0.
60 HR	0.699855	0.001980	0.024390	0.000068	0.
72 HR	0.700844	0.000570	0.024424	0.000020	0.
84 HR	0.701128	0.000164	0.024434	0.000006	0.
96 HR	0.701210	0.000047	0.024437	0.000002	0.
108 HR	0.701234	0.000014	0.024438	0.000000	0.
120 HR	0.701241	0.000004	0.024438	0.000000	0.
132 HR	0.701243	0.000001	0.024438	0.000000	0.

SATURATED IODINE 0.701243
SATURATED XENON 0.024438

TIME HOURS	MW/KG		12.00		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000102	0.999856	0.000005	0.000144	0.995630
10 SEC	0.000204	0.999712	0.000010	0.000287	0.991273
30 SEC	0.000611	0.999136	0.000031	0.000853	0.974051
60 SEC	0.001222	0.998272	0.000062	0.001683	0.948772
2 MIN	0.002441	0.996548	0.000123	0.003277	0.900172
5 MIN	0.006087	0.991392	0.000299	0.007568	0.768799
10 MIN	0.012122	0.982857	0.000576	0.013322	0.591050
30 MIN	0.035747	0.949448	0.001533	0.025261	0.206478
60 MIN	0.069687	0.901452	0.002752	0.029200	0.042633
2 HR	0.132506	0.812616	0.004904	0.027568	0.001818
4 HR	0.240183	0.660345	0.008566	0.022452	0.000003
8 HR	0.398786	0.436055	0.013959	0.014826	0.000000
12 HR	0.503519	0.287946	0.017520	0.009790	0.000000
24 HR	0.648505	0.082913	0.022449	0.002819	0.000000
36 HR	0.690254	0.023875	0.023869	0.000812	0.
48 HR	0.702275	0.006875	0.024278	0.000234	0.
60 HR	0.705736	0.001980	0.024395	0.000067	0.
72 HR	0.706733	0.000570	0.024429	0.000019	0.
84 HR	0.707020	0.000164	0.024439	0.000006	0.
96 HR	0.707103	0.000047	0.024442	0.000002	0.
108 HR	0.707127	0.000014	0.024442	0.000000	0.
120 HR	0.707133	0.000004	0.024443	0.000000	0.
132 HR	0.707135	0.000001	0.024443	0.000000	0.

SATURATED IODINE 0.707136
SATURATED XENON 0.024443

TIME HOURS	MW/KG		12.10		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000103	0.999856	0.000005	0.000144	0.995595
10 SEC	0.000205	0.999712	0.000010	0.000287	0.991203
30 SEC	0.000616	0.999136	0.000031	0.000853	0.973843
60 SEC	0.001232	0.998272	0.000063	0.001683	0.948367
2 MIN	0.002462	0.996548	0.000124	0.003275	0.899402
5 MIN	0.006138	0.991392	0.000302	0.007561	0.767156
10 MIN	0.012223	0.982857	0.000579	0.013296	0.588527
30 MIN	0.036045	0.949448	0.001539	0.025139	0.203845
60 MIN	0.070268	0.901452	0.002759	0.028993	0.041553
2 HR	0.133610	0.812616	0.004911	0.027341	0.001727
4 HR	0.242184	0.660345	0.008572	0.022265	0.000003
8 HR	0.402109	0.436055	0.013964	0.014702	0.000000
12 HR	0.507715	0.287946	0.017525	0.009709	0.000000
24 HR	0.653910	0.082913	0.022454	0.002796	0.000000
36 HR	0.696006	0.023875	0.023874	0.000805	0.
48 HR	0.708127	0.006875	0.024282	0.000232	0.
60 HR	0.711618	0.001980	0.024400	0.000067	0.
72 HR	0.712623	0.000570	0.024434	0.000019	0.
84 HR	0.712912	0.000164	0.024444	0.000006	0.
96 HR	0.712995	0.000047	0.024446	0.000002	0.
108 HR	0.713019	0.000014	0.024447	0.000000	0.
120 HR	0.713026	0.000004	0.024448	0.000000	0.
132 HR	0.713028	0.000001	0.024448	0.000000	0.

SATURATED IODINE 0.713029
SATURATED XENON 0.024448

TIME HOURS	IODINE		MW/KG	12.60 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024471
5 SEC	0.000107	0.999856	0.000005	0.000144	0.995417	0.024575
10 SEC	0.000214	0.999712	0.000011	0.000287	0.990849	0.024679
30 SEC	0.000642	0.999136	0.000033	0.000852	0.972802	0.025097
60 SEC	0.001283	0.998272	0.000065	0.001681	0.946340	0.025722
2 MIN	0.002563	0.996548	0.000129	0.003269	0.895563	0.026969
5 MIN	0.006392	0.991392	0.000312	0.007522	0.758996	0.030689
10 MIN	0.012728	0.982857	0.000598	0.013166	0.576073	0.036814
30 MIN	0.037534	0.949448	0.001569	0.024543	0.191177	0.060396
60 MIN	0.073171	0.901452	0.002791	0.027994	0.036548	0.093132
2 HR	0.139131	0.812616	0.004941	0.026259	0.001336	0.149870
4 HR	0.252192	0.660345	0.008601	0.021373	0.000002	0.233592
8 HR	0.418725	0.436055	0.013991	0.014114	0.000000	0.315117
12 HR	0.528695	0.287946	0.017551	0.009320	0.000000	0.327101
24 HR	0.680931	0.082913	0.022478	0.002684	0.000000	0.223798
36 HR	0.724766	0.023875	0.023897	0.000773	0.	0.116929
48 HR	0.737389	0.006875	0.024305	0.000223	0.	0.054925
60 HR	0.741023	0.001980	0.024423	0.000064	0.	0.024423
72 HR	0.742070	0.000570	0.024457	0.000018	0.	0.010518
84 HR	0.742371	0.000164	0.024467	0.000005	0.	0.004440
96 HR	0.742458	0.000047	0.024469	0.000002	0.	0.001850
108 HR	0.742483	0.000014	0.024470	0.000000	0.	0.000764
120 HR	0.742490	0.000004	0.024471	0.000000	0.	0.000314
132 HR	0.742492	0.000001	0.024471	0.000000	0.	0.000128

SATURATED IODINE 0.742493
SATURATED XENON 0.024471

TIME HOURS	IODINE		MW/KG	12.70 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024475
5 SEC	0.000108	0.999856	0.000006	0.000144	0.995382	0.024580
10 SEC	0.000216	0.999712	0.000011	0.000287	0.990779	0.024685
30 SEC	0.000647	0.999136	0.000033	0.000852	0.972594	0.025106
60 SEC	0.001293	0.998272	0.000066	0.001681	0.945936	0.025736
2 MIN	0.002584	0.996548	0.000130	0.003267	0.894797	0.026994
5 MIN	0.006442	0.991392	0.000315	0.007514	0.757375	0.030744
10 MIN	0.012829	0.982857	0.000601	0.013141	0.573614	0.036919
30 MIN	0.037832	0.949448	0.001575	0.024426	0.188739	0.060693
60 MIN	0.073752	0.901452	0.002797	0.027802	0.035622	0.093695
2 HR	0.140236	0.812616	0.004947	0.026052	0.001269	0.150896
4 HR	0.254193	0.660345	0.008606	0.021204	0.000002	0.235305
8 HR	0.422049	0.436055	0.013996	0.014002	0.000000	0.317514
12 HR	0.532891	0.287946	0.017555	0.009246	0.000000	0.329620
24 HR	0.686335	0.082913	0.022483	0.002662	0.000000	0.225543
36 HR	0.730518	0.023875	0.023901	0.000767	0.	0.117844
48 HR	0.743241	0.006875	0.024310	0.000221	0.	0.055356
60 HR	0.746904	0.001980	0.024427	0.000064	0.	0.024615
72 HR	0.747959	0.000570	0.024461	0.000018	0.	0.010601
84 HR	0.748263	0.000164	0.024471	0.000005	0.	0.004475
96 HR	0.748350	0.000047	0.024474	0.000002	0.	0.001865
108 HR	0.748376	0.000014	0.024475	0.000000	0.	0.000770
120 HR	0.748383	0.000004	0.024475	0.000000	0.	0.000316
132 HR	0.748385	0.000001	0.024475	0.000000	0.	0.000129

SATURATED IODINE 0.748386
SATURATED XENON 0.024475

TIME HOURS	IODINE		MW/KG	12.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024479
5 SEC	0.000109	0.999856	0.000006	0.000144	0.995347	0.024585
10 SEC	0.000217	0.999712	0.000011	0.000287	0.990708	0.024692
30 SEC	0.000652	0.999136	0.000033	0.000852	0.972386	0.025116
60 SEC	0.001303	0.998272	0.000066	0.001680	0.945531	0.025751
2 MIN	0.002604	0.996548	0.000131	0.003266	0.894032	0.027019
5 MIN	0.006493	0.991392	0.000317	0.007507	0.755757	0.030799
10 MIN	0.012930	0.982857	0.000605	0.013115	0.571166	0.037023
30 MIN	0.038130	0.949448	0.001581	0.024311	0.186332	0.060989
60 MIN	0.074333	0.901452	0.002803	0.027611	0.034720	0.094258
2 HR	0.141340	0.812616	0.004952	0.025849	0.001205	0.151922
4 HR	0.256195	0.660345	0.008612	0.021037	0.000001	0.237019
8 HR	0.425372	0.436055	0.014001	0.013891	0.000000	0.319911
12 HR	0.537087	0.287946	0.017560	0.009173	0.000000	0.332139
24 HR	0.691739	0.082913	0.022487	0.002641	0.000000	0.227288
36 HR	0.736271	0.023875	0.023906	0.000761	0.	0.118760
48 HR	0.749093	0.006875	0.024314	0.000219	0.	0.055786
60 HR	0.752785	0.001980	0.024432	0.000063	0.	0.024807
72 HR	0.753849	0.000570	0.024466	0.000018	0.	0.010684
84 HR	0.754155	0.000164	0.024475	0.000005	0.	0.004510
96 HR	0.754243	0.000047	0.024478	0.000002	0.	0.001879
108 HR	0.754268	0.000014	0.024479	0.000000	0.	0.000776
120 HR	0.754276	0.000004	0.024479	0.000000	0.	0.000319
132 HR	0.754278	0.000001	0.024479	0.000000	0.	0.000130

SATURATED IODINE 0.754279
SATURATED XENON 0.024479

TIME HOURS	IODINE		MW/KG	12.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024484
5 SEC	0.000109	0.999856	0.000006	0.000144	0.995311	0.024590
10 SEC	0.000219	0.999712	0.000011	0.000287	0.990637	0.024697
30 SEC	0.000657	0.999136	0.000033	0.000852	0.972178	0.025125
60 SEC	0.001313	0.998272	0.000067	0.001680	0.945127	0.025765
2 MIN	0.002624	0.996548	0.000132	0.003264	0.893267	0.027043
5 MIN	0.006544	0.991392	0.000319	0.007459	0.754142	0.030854
10 MIN	0.013031	0.982857	0.000609	0.013090	0.568728	0.037128
30 MIN	0.038428	0.949448	0.001587	0.024196	0.183957	0.061286
60 MIN	0.074913	0.901452	0.002809	0.027423	0.033840	0.094821
2 HR	0.142444	0.812616	0.004958	0.025649	0.001145	0.152948
4 HR	0.258196	0.660345	0.008617	0.020872	0.000001	0.238732
8 HR	0.428695	0.436055	0.014006	0.013783	0.000000	0.322308
12 HR	0.541283	0.287946	0.017565	0.009101	0.000000	0.334658
24 HR	0.697143	0.082913	0.022491	0.002621	0.000000	0.229033
36 HR	0.742023	0.023875	0.023910	0.000755	0.	0.119675
48 HR	0.754946	0.006875	0.024318	0.000217	0.	0.056217
60 HR	0.758667	0.001980	0.024436	0.000063	0.	0.024998
72 HR	0.759738	0.000570	0.024470	0.000018	0.	0.010766
84 HR	0.760047	0.000164	0.024480	0.000005	0.	0.004545
96 HR	0.760135	0.000047	0.024482	0.000001	0.	0.001894
108 HR	0.760161	0.000014	0.024483	0.000000	0.	0.000782
120 HR	0.760168	0.000004	0.024483	0.000000	0.	0.000321
132 HR	0.760171	0.000001	0.024484	0.000000	0.	0.000131

SATURATED IODINE 0.760171
SATURATED XENON 0.024484

TIME HOURS	IODINE		MW/KG	13.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024488
5 SEC	0.000110	0.999856	0.000006	0.000144	0.995276	0.024596
10 SEC	0.000221	0.999712	0.000011	0.000287	0.990567	0.024703
30 SEC	0.000662	0.999136	0.000034	0.000852	0.971970	0.025134
60 SEC	0.001324	0.998272	0.000067	0.001679	0.944722	0.025780
2 MIN	0.002645	0.996548	0.000133	0.003263	0.892504	0.027068
5 MIN	0.006595	0.991392	0.000321	0.007491	0.752531	0.030908
10 MIN	0.013132	0.982857	0.000612	0.013064	0.566301	0.037232
30 MIN	0.038726	0.949448	0.001593	0.024081	0.181611	0.061582
60 MIN	0.075494	0.901452	0.002814	0.027237	0.032983	0.095384
2 HR	0.143548	0.812616	0.004964	0.025452	0.001088	0.153974
4 HR	0.260198	0.660345	0.008622	0.020710	0.000001	0.240445
8 HR	0.432018	0.436055	0.014011	0.013676	0.000000	0.324705
12 HR	0.545479	0.287946	0.017570	0.009031	0.000000	0.337177
24 HR	0.702547	0.082913	0.022496	0.002600	0.000000	0.230778
36 HR	0.747775	0.023875	0.023914	0.000749	0.	0.120591
48 HR	0.760798	0.006875	0.024323	0.000216	0.	0.056648
60 HR	0.764548	0.001980	0.024440	0.000062	0.	0.025190
72 HR	0.765628	0.000570	0.024474	0.000018	0.	0.010849
84 HR	0.765938	0.000164	0.024484	0.000005	0.	0.004580
96 HR	0.766028	0.000047	0.024487	0.000001	0.	0.001908
108 HR	0.766054	0.000014	0.024487	0.000000	0.	0.000788
120 HR	0.766061	0.000004	0.024488	0.000000	0.	0.000324
132 HR	0.766063	0.000001	0.024488	0.000000	0.	0.000132

SATURATED IODINE 0.766064
SATURATED XENON 0.024488

TIME HOURS	IODINE		MW/KG	13.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024492
5 SEC	0.000111	0.999856	0.000006	0.000144	0.995240	0.024600
10 SEC	0.000222	0.999712	0.000011	0.000287	0.990496	0.024709
30 SEC	0.000667	0.999136	0.000034	0.000852	0.971762	0.025143
60 SEC	0.001334	0.998272	0.000068	0.001679	0.944318	0.025794
2 MIN	0.002665	0.996548	0.000134	0.003262	0.891740	0.027092
5 MIN	0.006645	0.991392	0.000323	0.007484	0.750923	0.030963
10 MIN	0.013233	0.982857	0.000616	0.013039	0.563883	0.037337
30 MIN	0.039024	0.949448	0.001598	0.023968	0.179295	0.061878
60 MIN	0.076075	0.901452	0.002820	0.027054	0.032147	0.095947
2 HR	0.144652	0.812616	0.004969	0.025257	0.001033	0.155000
4 HR	0.262199	0.660345	0.008628	0.020551	0.000001	0.242159
8 HR	0.435341	0.436055	0.014016	0.013571	0.000000	0.327102
12 HR	0.549675	0.287946	0.017574	0.008961	0.000000	0.339696
24 HR	0.707952	0.082913	0.022500	0.002580	0.000000	0.232523
36 HR	0.753527	0.023875	0.023918	0.000743	0.	0.121506
48 HR	0.766650	0.006875	0.024327	0.000214	0.	0.057079
60 HR	0.770429	0.001980	0.024444	0.000062	0.	0.025382
72 HR	0.771517	0.000570	0.024448	0.000018	0.	0.010931
84 HR	0.771830	0.000164	0.024488	0.000005	0.	0.004615
96 HR	0.771920	0.000047	0.024491	0.000001	0.	0.001923
108 HR	0.771946	0.000014	0.024492	0.000000	0.	0.000794
120 HR	0.771954	0.000004	0.024492	0.000000	0.	0.000326
132 HR	0.771956	0.000001	0.024492	0.000000	0.	0.000133

SATURATED IODINE 0.771957
SATURATED XENON 0.024492

TIME HOURS	IODINE		MW/KG	13.20 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024496
5 SEC	0.000112	0.999856	0.000006	0.000144	0.995205	0.024605
10 SEC	0.000224	0.999712	0.000011	0.000287	0.990426	0.024715
30 SEC	0.000672	0.999136	0.000034	0.000852	0.971554	0.025153
60 SEC	0.001344	0.998272	0.000068	0.001679	0.943915	0.025808
2 MIN	0.002685	0.996548	0.000135	0.003260	0.890978	0.027117
5 MIN	0.006696	0.991392	0.000325	0.007476	0.749319	0.031018
10 MIN	0.013335	0.982857	0.000619	0.013014	0.561476	0.037441
30 MIN	0.039322	0.949448	0.001604	0.023856	0.177009	0.062175
60 MIN	0.076655	0.901452	0.002826	0.026872	0.031332	0.096510
2 HR	0.145757	0.812616	0.004974	0.025066	0.000982	0.156026
4 HR	0.264201	0.660345	0.008633	0.020394	0.000001	0.243872
8 HR	0.438665	0.436055	0.014021	0.013467	0.000000	0.329498
12 HR	0.553871	0.287946	0.017579	0.008893	0.000000	0.342215
24 HR	0.713356	0.082913	0.022504	0.002561	0.000000	0.234268
36 HR	0.759279	0.023875	0.023922	0.000737	0.	0.122421
48 HR	0.772502	0.006875	0.024331	0.000212	0.	0.057509
60 HR	0.776310	0.001980	0.024448	0.000061	0.	0.025574
72 HR	0.777406	0.000570	0.024482	0.000018	0.	0.011014
84 HR	0.777722	0.000164	0.024492	0.000005	0.	0.004650
96 HR	0.777813	0.000047	0.024495	0.000001	0.	0.001938
108 HR	0.777839	0.000014	0.024496	0.000000	0.	0.000800
120 HR	0.777847	0.000004	0.024496	0.000000	0.	0.000329
132 HR	0.777849	0.000001	0.024496	0.000000	0.	0.000134

SATURATED IODINE 0.777850
SATURATED XENON 0.024496

TIME HOURS	IODINE		MW/KG	13.30 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024500
5 SEC	0.000113	0.999856	0.000006	0.000144	0.995169	0.024610
10 SEC	0.000226	0.999712	0.000012	0.000287	0.990355	0.024721
30 SEC	0.000677	0.999136	0.000034	0.000852	0.971347	0.025162
60 SEC	0.001354	0.998272	0.000069	0.001678	0.943511	0.025822
2 MIN	0.002706	0.996548	0.000135	0.003259	0.890216	0.027141
5 MIN	0.006747	0.991392	0.000328	0.007468	0.747718	0.031072
10 MIN	0.013436	0.982857	0.000623	0.012988	0.559080	0.037546
30 MIN	0.039620	0.949448	0.001609	0.023744	0.174752	0.062471
60 MIN	0.077236	0.901452	0.002831	0.026693	0.030538	0.097073
2 HR	0.146861	0.812616	0.004980	0.024877	0.000933	0.157052
4 HR	0.266202	0.660345	0.008638	0.020239	0.000001	0.245585
8 HR	0.441988	0.436055	0.014025	0.013365	0.000000	0.331895
12 HR	0.558067	0.287946	0.017583	0.008825	0.000000	0.344734
24 HR	0.718760	0.082913	0.022508	0.002541	0.000000	0.236013
36 HR	0.765031	0.023875	0.023926	0.000732	0.	0.123337
48 HR	0.778355	0.006875	0.024335	0.000211	0.	0.057940
60 HR	0.782191	0.001980	0.024452	0.000061	0.	0.025765
72 HR	0.783296	0.000570	0.024486	0.000017	0.	0.011097
84 HR	0.783614	0.000164	0.024496	0.000005	0.	0.004685
96 HR	0.783706	0.000047	0.024499	0.000001	0.	0.001952
108 HR	0.783732	0.000014	0.024500	0.000000	0.	0.000806
120 HR	0.783740	0.000004	0.024500	0.000000	0.	0.000331
132 HR	0.783742	0.000001	0.024500	0.000000	0.	0.000135

SATURATED IODINE 0.783743
SATURATED XENON 0.024500

TIME HOURS	MW/KG		13.40		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000114	0.999856	0.000006	0.000144	0.995134
10 SEC	0.000228	0.999712	0.000012	0.000287	0.990284
30 SEC	0.000682	0.999136	0.000035	0.000852	0.971139
60 SEC	0.001364	0.998272	0.000069	0.001678	0.943107
2 MIN	0.002726	0.996548	0.000136	0.003258	0.889455
5 MIN	0.006797	0.991392	0.000330	0.007461	0.746120
10 MIN	0.013537	0.982857	0.000626	0.012963	0.556694
30 MIN	0.039917	0.949448	0.001615	0.023633	0.172524
60 MIN	0.077817	0.901452	0.002837	0.026516	0.029765
2 HR	0.147965	0.812616	0.004985	0.024692	0.000886
4 HR	0.268204	0.660345	0.008643	0.020087	0.000001
8 HR	0.445311	0.436055	0.014030	0.013264	0.000000
12 HR	0.562263	0.287946	0.017588	0.008759	0.000000
24 HR	0.724164	0.082913	0.022512	0.002522	0.000000
36 HR	0.770783	0.023875	0.023930	0.000726	0.
48 HR	0.784207	0.006875	0.024339	0.000209	0.
60 HR	0.788072	0.001980	0.024456	0.000060	0.
72 HR	0.789185	0.000570	0.024490	0.000017	0.
84 HR	0.789506	0.000164	0.024500	0.000005	0.
96 HR	0.789598	0.000047	0.024503	0.000001	0.
108 HR	0.789625	0.000014	0.024504	0.000000	0.
120 HR	0.789632	0.000004	0.024504	0.000000	0.
132 HR	0.789634	0.000001	0.024504	0.000000	0.

SATURATED IODINE 0.789635
SATURATED XENON 0.024504

TIME HOURS	MW/KG		13.50		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000115	0.999856	0.000006	0.000144	0.995098
10 SEC	0.000229	0.999712	0.000012	0.000287	0.990214
30 SEC	0.000687	0.999136	0.000035	0.000852	0.970931
60 SEC	0.001374	0.998272	0.000070	0.001678	0.942704
2 MIN	0.002746	0.996548	0.000137	0.003256	0.888694
5 MIN	0.006848	0.991392	0.000332	0.007453	0.744526
10 MIN	0.013638	0.982857	0.000630	0.012938	0.554317
30 MIN	0.040215	0.949448	0.001620	0.023523	0.170324
60 MIN	0.078398	0.901452	0.002842	0.026340	0.029010
2 HR	0.149069	0.812616	0.004990	0.024509	0.000842
4 HR	0.270206	0.660345	0.008648	0.019937	0.000001
8 HR	0.448634	0.436055	0.014035	0.013165	0.000000
12 HR	0.566459	0.287946	0.017592	0.008694	0.000000
24 HR	0.729568	0.082913	0.022516	0.002503	0.000000
36 HR	0.776535	0.023875	0.023934	0.000721	0.
48 HR	0.790059	0.006875	0.024343	0.000208	0.
60 HR	0.793953	0.001980	0.024460	0.000060	0.
72 HR	0.795075	0.000570	0.024494	0.000017	0.
84 HR	0.795398	0.000164	0.024504	0.000005	0.
96 HR	0.795491	0.000047	0.024507	0.000001	0.
108 HR	0.795517	0.000014	0.024507	0.000000	0.
120 HR	0.795525	0.000004	0.024508	0.000000	0.
132 HR	0.795527	0.000001	0.024508	0.000000	0.

SATURATED IODINE 0.795528
SATURATED XENON 0.024508

TIME HOURS	MW/KG		13.60		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000115	0.999856	0.000006	0.000144	0.995063
10 SEC	0.000231	0.999712	0.000012	0.000287	0.990143
30 SEC	0.000693	0.999136	0.000035	0.000851	0.970724
60 SEC	0.001385	0.998272	0.000070	0.001677	0.942301
2 MIN	0.002767	0.996548	0.000138	0.003255	0.887934
5 MIN	0.006899	0.991392	0.000334	0.007446	0.742936
10 MIN	0.013739	0.982857	0.000633	0.012913	0.551951
30 MIN	0.040513	0.949448	0.001626	0.023414	0.168153
60 MIN	0.078978	0.901452	0.002848	0.026167	0.028275
2 HR	0.150174	0.812616	0.004995	0.024328	0.000799
4 HR	0.272207	0.660345	0.008652	0.019789	0.000001
8 HR	0.451957	0.436055	0.014039	0.013068	0.000000
12 HR	0.570655	0.287946	0.017596	0.008629	0.000000
24 HR	0.734973	0.082913	0.022520	0.002485	0.000000
36 HR	0.782287	0.023875	0.023938	0.000715	0.
48 HR	0.795912	0.006875	0.024347	0.000206	0.
60 HR	0.799835	0.001980	0.024464	0.000059	0.
72 HR	0.800964	0.000570	0.024498	0.000017	0.
84 HR	0.801289	0.000164	0.024508	0.000005	0.
96 HR	0.801383	0.000047	0.024511	0.000001	0.
108 HR	0.801410	0.000014	0.024511	0.000000	0.
120 HR	0.801418	0.000004	0.024512	0.000000	0.
132 HR	0.801420	0.000001	0.024512	0.000000	0.

SATURATED IODINE 0.801421
SATURATED XENON 0.024512

TIME HOURS	MW/KG		13.70		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000116	0.999856	0.000006	0.000144	0.995028
10 SEC	0.000233	0.999712	0.000012	0.000287	0.990073
30 SEC	0.000698	0.999136	0.000035	0.000851	0.970516
60 SEC	0.001395	0.998272	0.000071	0.001677	0.941898
2 MIN	0.002787	0.996548	0.000139	0.003254	0.887175
5 MIN	0.006950	0.991392	0.000336	0.007438	0.741348
10 MIN	0.013840	0.982857	0.000637	0.012888	0.549595
30 MIN	0.040811	0.949448	0.001631	0.023305	0.166009
60 MIN	0.079559	0.901452	0.002853	0.025996	0.027559
2 HR	0.151278	0.812616	0.005000	0.024150	0.000759
4 HR	0.274209	0.660345	0.008657	0.019643	0.000001
8 HR	0.455281	0.436055	0.014043	0.012971	0.000000
12 HR	0.574851	0.287946	0.017600	0.008566	0.000000
24 HR	0.740377	0.082913	0.022524	0.002466	0.000000
36 HR	0.788040	0.023875	0.023942	0.000710	0.
48 HR	0.801764	0.006875	0.024350	0.000204	0.
60 HR	0.805716	0.001980	0.024468	0.000059	0.
72 HR	0.806854	0.000570	0.024502	0.000017	0.
84 HR	0.807181	0.000164	0.024511	0.000005	0.
96 HR	0.807276	0.000047	0.024514	0.000001	0.
108 HR	0.807303	0.000014	0.024515	0.000000	0.
120 HR	0.807311	0.000004	0.024515	0.000000	0.
132 HR	0.807313	0.000001	0.024515	0.000000	0.

SATURATED IODINE 0.807314
SATURATED XENON 0.024515

TIME HOURS	MW/KG		13.80		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000117	0.999856	0.000006	0.000144	0.994992
10 SEC	0.000234	0.999712	0.000012	0.000287	0.990002
30 SEC	0.000703	0.999136	0.000036	0.000851	0.970308
60 SEC	0.001405	0.998272	0.000071	0.001677	0.941495
2 MIN	0.002807	0.996548	0.000140	0.003252	0.886416
5 MIN	0.007000	0.991392	0.000338	0.007430	0.739764
10 MIN	0.013941	0.982857	0.000640	0.012863	0.547250
30 MIN	0.041109	0.949448	0.001636	0.023197	0.163892
60 MIN	0.080140	0.901452	0.002858	0.025826	0.026861
2 HR	0.152382	0.812616	0.005005	0.023975	0.000721
4 HR	0.276210	0.660345	0.008662	0.019500	0.000001
8 HR	0.458604	0.436055	0.014048	0.012877	0.000000
12 HR	0.579047	0.287946	0.017604	0.008503	0.000000
24 HR	0.745781	0.082913	0.022528	0.002448	0.000000
36 HR	0.793792	0.023875	0.023946	0.000705	0.
48 HR	0.807616	0.006875	0.024354	0.000203	0.
60 HR	0.811597	0.001980	0.024472	0.000058	0.
72 HR	0.812743	0.000570	0.024505	0.000017	0.
84 HR	0.813073	0.000164	0.024515	0.000005	0.
96 HR	0.813168	0.000047	0.024518	0.000001	0.
108 HR	0.813196	0.000014	0.024519	0.000000	0.
120 HR	0.813203	0.000004	0.024519	0.000000	0.
132 HR	0.813206	0.000001	0.024519	0.000000	0.

SATURATED IODINE 0.813207
SATURATED XENON 0.024519

TIME HOURS	MW/KG		13.90		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000118	0.999856	0.000006	0.000144	0.994957
10 SEC	0.000236	0.999712	0.000012	0.000287	0.989931
30 SEC	0.000708	0.999136	0.000036	0.000851	0.970101
60 SEC	0.001415	0.998272	0.000072	0.001676	0.941092
2 MIN	0.002828	0.996548	0.000141	0.003251	0.885658
5 MIN	0.007051	0.991392	0.000340	0.007423	0.738184
10 MIN	0.014042	0.982857	0.000644	0.012839	0.544914
30 MIN	0.041407	0.949448	0.001642	0.023090	0.161802
60 MIN	0.080721	0.901452	0.002863	0.025659	0.026180
2 HR	0.153486	0.812616	0.005010	0.023802	0.000685
4 HR	0.278212	0.660345	0.008666	0.019358	0.000000
8 HR	0.461927	0.436055	0.014052	0.012783	0.000000
12 HR	0.583243	0.287946	0.017609	0.008441	0.000000
24 HR	0.751185	0.082913	0.022532	0.002431	0.000000
36 HR	0.799544	0.023875	0.023950	0.000700	0.
48 HR	0.813468	0.006875	0.024358	0.000202	0.
60 HR	0.817478	0.001980	0.024475	0.000058	0.
72 HR	0.818632	0.000570	0.024509	0.000017	0.
84 HR	0.818965	0.000164	0.024519	0.000005	0.
96 HR	0.819061	0.000047	0.024522	0.000001	0.
108 HR	0.819088	0.000014	0.024522	0.000000	0.
120 HR	0.819096	0.000004	0.024523	0.000000	0.
132 HR	0.819098	0.000001	0.024523	0.000000	0.

SATURATED IODINE 0.819099
SATURATED XENON 0.024523

TIME HOURS	MW/KG		14.00		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000119	0.999856	0.000006	0.000144	0.994921
10 SEC	0.000238	0.999712	0.000012	0.000287	0.989861
30 SEC	0.000713	0.999136	0.000036	0.000851	0.969894
60 SEC	0.001425	0.998272	0.000072	0.001676	0.940690
2 MIN	0.002848	0.996548	0.000142	0.003249	0.884901
5 MIN	0.007102	0.991392	0.000342	0.007415	0.736607
10 MIN	0.014143	0.982857	0.000647	0.012814	0.542588
30 MIN	0.041705	0.949448	0.001647	0.022984	0.159739
60 MIN	0.081301	0.901452	0.002868	0.025494	0.025517
2 HR	0.154590	0.812616	0.005014	0.023632	0.000651
4 HR	0.280213	0.660345	0.008671	0.019219	0.000000
8 HR	0.465260	0.436055	0.014056	0.012691	0.000000
12 HR	0.587439	0.287946	0.017613	0.008381	0.000000
24 HR	0.756589	0.082913	0.022536	0.002413	0.
36 HR	0.805296	0.023875	0.023953	0.000695	0.
48 HR	0.819321	0.006875	0.024361	0.000200	0.
60 HR	0.823359	0.001980	0.024479	0.000058	0.
72 HR	0.824522	0.000570	0.024513	0.000017	0.
84 HR	0.824857	0.000164	0.024523	0.000005	0.
96 HR	0.824953	0.000047	0.024525	0.000001	0.
108 HR	0.824981	0.000014	0.024526	0.000000	0.
120 HR	0.824989	0.000004	0.024526	0.000000	0.
132 HR	0.824991	0.000001	0.024526	0.000000	0.

SATURATED IODINE 0.824992
SATURATED XENON 0.024526

TIME HOURS	MW/KG		14.10		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000120	0.999856	0.000006	0.000144	0.994886
10 SEC	0.000239	0.999712	0.000012	0.000287	0.989790
30 SEC	0.000718	0.999136	0.000037	0.000851	0.969686
60 SEC	0.001435	0.998272	0.000073	0.001676	0.940288
2 MIN	0.002868	0.996548	0.000143	0.003248	0.884144
5 MIN	0.007153	0.991392	0.000345	0.007408	0.735033
10 MIN	0.014244	0.982857	0.000651	0.012789	0.540272
30 MIN	0.042003	0.949448	0.001652	0.022879	0.157702
60 MIN	0.081882	0.901452	0.002873	0.025330	0.024870
2 HR	0.155695	0.812616	0.005019	0.023464	0.000619
4 HR	0.282215	0.660345	0.008675	0.019082	0.000000
8 HR	0.468574	0.436055	0.014060	0.012600	0.000000
12 HR	0.591635	0.287946	0.017617	0.008321	0.000000
24 HR	0.761994	0.082913	0.022539	0.002396	0.
36 HR	0.811048	0.023875	0.023957	0.000690	0.
48 HR	0.825173	0.006875	0.024365	0.000199	0.
60 HR	0.829240	0.001980	0.024482	0.000057	0.
72 HR	0.830411	0.000570	0.024516	0.000016	0.
84 HR	0.830749	0.000164	0.024526	0.000005	0.
96 HR	0.830846	0.000047	0.024529	0.000001	0.
108 HR	0.830874	0.000014	0.024530	0.000000	0.
120 HR	0.830882	0.000004	0.024530	0.000000	0.
132 HR	0.830884	0.000001	0.024530	0.000000	0.

SATURATED IODINE 0.830885
SATURATED XENON 0.024530

TIME HOURS	IODINE		MW/KG	14.20 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024534
5 SEC	0.000120	0.999856	0.000006	0.000144	0.999850	0.024651
10 SEC	0.000241	0.999712	0.000012	0.000287	0.989720	0.024769
30 SEC	0.000723	0.999136	0.000037	0.000851	0.969479	0.025241
60 SEC	0.001446	0.998272	0.000073	0.001675	0.939886	0.025948
2 MIN	0.002889	0.996548	0.000144	0.003247	0.883388	0.027357
5 MIN	0.007203	0.991392	0.000347	0.007400	0.733463	0.031561
10 MIN	0.014345	0.982857	0.000654	0.012765	0.537966	0.038482
30 MIN	0.042301	0.949448	0.001657	0.022774	0.155692	0.065134
60 MIN	0.082463	0.901452	0.002878	0.025168	0.024240	0.102135
2 HR	0.156799	0.812616	0.005024	0.023298	0.000588	0.166282
4 HR	0.284216	0.660345	0.008680	0.018946	0.000000	0.261002
8 HR	0.471897	0.436055	0.014065	0.012511	0.000000	0.353465
12 HR	0.595831	0.287946	0.017620	0.008262	0.000000	0.367404
24 HR	0.767398	0.082913	0.022543	0.002379	0.	0.251717
36 HR	0.816800	0.023875	0.023960	0.000685	0.	0.131575
48 HR	0.831025	0.006875	0.024368	0.000197	0.	0.061817
60 HR	0.835121	0.001980	0.024486	0.000057	0.	0.027491
72 HR	0.836301	0.000570	0.024520	0.000016	0.	0.011841
84 HR	0.836640	0.000164	0.024530	0.000005	0.	0.004999
96 HR	0.836738	0.000047	0.024532	0.000001	0.	0.002083
108 HR	0.836766	0.000014	0.024533	0.000000	0.	0.000860
120 HR	0.836774	0.000004	0.024533	0.000000	0.	0.000353
132 HR	0.836777	0.000001	0.024534	0.000000	0.	0.000144

SATURATED IODINE 0.836778
SATURATED XENON 0.024534

TIME HOURS	IODINE		MW/KG	14.30 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024537
5 SEC	0.000121	0.999856	0.000006	0.000144	0.994815	0.024656
10 SEC	0.000243	0.999712	0.000012	0.000287	0.989649	0.024775
30 SEC	0.000728	0.999136	0.000037	0.000851	0.969271	0.025250
60 SEC	0.001456	0.998272	0.000074	0.001675	0.939484	0.025961
2 MIN	0.002909	0.996548	0.000145	0.003245	0.882633	0.027381
5 MIN	0.007254	0.991392	0.000349	0.007393	0.731896	0.031615
10 MIN	0.014446	0.982857	0.000658	0.012740	0.535670	0.038586
30 MIN	0.042598	0.949448	0.001662	0.022670	0.153707	0.065429
60 MIN	0.083043	0.901452	0.002883	0.025009	0.023626	0.102697
2 HR	0.157903	0.812616	0.005028	0.023135	0.000558	0.167308
4 HR	0.286218	0.660345	0.008684	0.018813	0.000000	0.262715
8 HR	0.475220	0.436055	0.014069	0.012423	0.000000	0.355862
12 HR	0.600027	0.287946	0.017624	0.008203	0.000000	0.369923
24 HR	0.772802	0.082913	0.022547	0.002362	0.	0.253462
36 HR	0.822552	0.023875	0.023964	0.000680	0.	0.132490
48 HR	0.836878	0.006875	0.024372	0.000196	0.	0.062248
60 HR	0.841002	0.001980	0.024489	0.000056	0.	0.027683
72 HR	0.842190	0.000570	0.024523	0.000016	0.	0.011923
84 HR	0.842532	0.000164	0.024533	0.000005	0.	0.005034
96 HR	0.842631	0.000047	0.024536	0.000001	0.	0.002098
108 HR	0.842659	0.000014	0.024537	0.000000	0.	0.000866
120 HR	0.842667	0.000004	0.024537	0.000000	0.	0.000356
132 HR	0.842670	0.000001	0.024537	0.000000	0.	0.000145

SATURATED IODINE 0.842671
SATURATED XENON 0.024537

TIME HOURS	IODINE		MW/KG	14.40 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024540
5 SEC	0.000122	0.999856	0.000006	0.000144	0.994779	0.024660
10 SEC	0.000245	0.999712	0.000012	0.000287	0.989579	0.024780
30 SEC	0.000733	0.999136	0.000037	0.000851	0.969064	0.025258
60 SEC	0.001466	0.998272	0.000074	0.001674	0.939082	0.025975
2 MIN	0.002929	0.996548	0.000146	0.003244	0.881878	0.027405
5 MIN	0.007305	0.991392	0.000351	0.007385	0.730332	0.031669
10 MIN	0.014547	0.982857	0.000661	0.012716	0.533383	0.038690
30 MIN	0.042896	0.949448	0.001667	0.022567	0.151747	0.065725
60 MIN	0.083624	0.901452	0.002888	0.024851	0.023027	0.103259
2 HR	0.159007	0.812616	0.005033	0.022974	0.000530	0.168333
4 HR	0.288219	0.660345	0.008688	0.018681	0.000000	0.264427
8 HR	0.478543	0.436055	0.014073	0.012336	0.000000	0.358258
12 HR	0.604223	0.287946	0.017628	0.008146	0.000000	0.372442
24 HR	0.778206	0.082913	0.022550	0.002346	0.	0.255207
36 HR	0.828304	0.023875	0.023967	0.000675	0.	0.133406
48 HR	0.842730	0.006875	0.024375	0.000194	0.	0.062679
60 HR	0.846884	0.001980	0.024493	0.000056	0.	0.027875
72 HR	0.848080	0.000570	0.024527	0.000016	0.	0.012006
84 HR	0.848424	0.000164	0.024537	0.000005	0.	0.005069
96 HR	0.848523	0.000047	0.024539	0.000001	0.	0.002112
108 HR	0.848552	0.000014	0.024540	0.000000	0.	0.000872
120 HR	0.848560	0.000004	0.024540	0.000000	0.	0.000358
132 HR	0.848562	0.000001	0.024540	0.000000	0.	0.000146

SATURATED IODINE 0.848563
SATURATED XENON 0.024540

TIME HOURS	IODINE		MW/KG	14.50 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024544
5 SEC	0.000123	0.999856	0.000006	0.000144	0.994744	0.024664
10 SEC	0.000246	0.999712	0.000013	0.000287	0.989508	0.024785
30 SEC	0.000738	0.999136	0.000038	0.000851	0.968857	0.025267
60 SEC	0.001476	0.998272	0.000075	0.001674	0.938680	0.025988
2 MIN	0.002950	0.996548	0.000147	0.003243	0.881124	0.027428
5 MIN	0.007355	0.991392	0.000353	0.007378	0.728772	0.031723
10 MIN	0.014648	0.982857	0.000664	0.012691	0.531106	0.038794
30 MIN	0.043194	0.949448	0.001672	0.022464	0.149812	0.066021
60 MIN	0.084205	0.901452	0.002893	0.024694	0.022444	0.103822
2 HR	0.160112	0.812616	0.005037	0.022815	0.000504	0.169358
4 HR	0.290221	0.660345	0.008693	0.018551	0.000000	0.266140
8 HR	0.481866	0.436055	0.014077	0.012250	0.000000	0.360655
12 HR	0.608419	0.287946	0.017632	0.008089	0.000000	0.374961
24 HR	0.783611	0.082913	0.022554	0.002329	0.	0.256952
36 HR	0.834056	0.023875	0.023971	0.000671	0.	0.134321
48 HR	0.848582	0.006875	0.024379	0.000193	0.	0.063110
60 HR	0.852765	0.001980	0.024496	0.000056	0.	0.028066
72 HR	0.853969	0.000570	0.024530	0.000016	0.	0.012088
84 HR	0.854316	0.000164	0.024540	0.000005	0.	0.005103
96 HR	0.854416	0.000047	0.024543	0.000001	0.	0.002127
108 HR	0.854445	0.000014	0.024543	0.000000	0.	0.000878
120 HR	0.854453	0.000004	0.024544	0.000000	0.	0.000361
132 HR	0.854455	0.000001	0.024544	0.000000	0.	0.000147

SATURATED IODINE 0.854456
SATURATED XENON 0.024544

	MW/KG		15.00			
TIME	IODINE		XENON		SHUTDOWN	
HOURS	A	B	C	D	E	TRANSIENT
0 SEC	0.	1.000000	0.	0.	1.000000	0.024560
5 SEC	0.000127	0.999856	0.000007	0.000144	0.994567	0.024685
10 SEC	0.000255	0.999712	0.000013	0.000287	0.989155	0.024810
30 SEC	0.000764	0.999136	0.000039	0.000850	0.967821	0.025308
60 SEC	0.001527	0.998272	0.000077	0.001672	0.936675	0.026055
2 MIN	0.003052	0.996548	0.000152	0.003236	0.877363	0.027546
5 MIN	0.007609	0.991392	0.000363	0.007341	0.721020	0.031992
10 MIN	0.015153	0.982857	0.000681	0.012570	0.519868	0.039311
30 MIN	0.044684	0.949448	0.001696	0.021963	0.140501	0.067498
60 MIN	0.087108	0.901452	0.002916	0.023938	0.019741	0.106632
2 HR	0.165633	0.812616	0.005058	0.022052	0.000390	0.174484
4 HR	0.300228	0.660345	0.008713	0.017928	0.000000	0.274703
8 HR	0.498482	0.436055	0.014095	0.011839	0.000000	0.372637
12 HR	0.629398	0.287946	0.017650	0.007818	0.000000	0.387554
24 HR	0.810632	0.082913	0.022570	0.002251	0.	0.265676
36 HR	0.862817	0.023875	0.023987	0.000648	0.	0.138898
48 HR	0.877844	0.006875	0.024395	0.000187	0.	0.065264
60 HR	0.882170	0.001980	0.024513	0.000054	0.	0.029025
72 HR	0.883416	0.000570	0.024546	0.000015	0.	0.012502
84 HR	0.883775	0.000164	0.024556	0.000004	0.	0.005278
96 HR	0.883878	0.000047	0.024559	0.000001	0.	0.002199
108 HR	0.883908	0.000014	0.024560	0.000000	0.	0.000908
120 HR	0.883917	0.000004	0.024560	0.000000	0.	0.000373
132 HR	0.883919	0.000001	0.024560	0.000000	0.	0.000153

SATURATED IODINE 0.883920
SATURATED XENON 0.024560

TIME HOURS	IODINE		MW/KG	15.10		SHUTDOWN TRANSIENT
	A	B		XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024563
5 SEC	0.000128	0.999856	0.000007	0.000144	0.994531	0.024689
10 SEC	0.000256	0.999712	0.000013	0.000287	0.989085	0.024814
30 SEC	0.000769	0.999136	0.000039	0.000850	0.967615	0.025316
60 SEC	0.001537	0.998272	0.000078	0.001672	0.936274	0.026069
2 MIN	0.003072	0.996548	0.000153	0.003234	0.876613	0.027570
5 MIN	0.007660	0.991392	0.000365	0.007333	0.719480	0.032045
10 MIN	0.015254	0.982857	0.000684	0.012546	0.517649	0.039415
30 MIN	0.044982	0.949448	0.001701	0.021865	0.138710	0.067793
60 MIN	0.087689	0.901452	0.002920	0.023792	0.019240	0.107194
2 HR	0.166737	0.812616	0.005063	0.021905	0.000370	0.175509
4 HR	0.302230	0.660345	0.008717	0.017809	0.000000	0.276416
8 HR	0.501806	0.436055	0.014099	0.011760	0.000000	0.375033
12 HR	0.633594	0.287946	0.017653	0.007766	0.000000	0.390073
24 HR	0.816036	0.082913	0.022574	0.002236	0.	0.267421
36 HR	0.868569	0.023875	0.023990	0.000644	0.	0.139813
48 HR	0.883696	0.006875	0.024398	0.000185	0.	0.065694
60 HR	0.888052	0.001980	0.024516	0.000053	0.	0.029217
72 HR	0.889306	0.000570	0.024550	0.000015	0.	0.012584
84 HR	0.889667	0.000164	0.024559	0.000004	0.	0.005313
96 HR	0.889771	0.000047	0.024562	0.000001	0.	0.002214
108 HR	0.889801	0.000014	0.024563	0.000000	0.	0.000914
120 HR	0.889809	0.000004	0.024563	0.000000	0.	0.000376
132 HR	0.889812	0.000001	0.024563	0.000000	0.	0.000154

SATURATED IODINE 0.889813
SATURATED XENON 0.024563

TIME HOURS	IODINE		MW/KG	15.20	XENON		SHUTDOWN TRANSIENT
	A	B	C		D	E	
0 SEC	0.	1.000000	0.		0.	1.000000	0.024566
5 SEC	0.000129	0.999856	0.000007		0.000144	0.9994496	0.024693
10 SEC	0.000258	0.999712	0.000013		0.000287	0.989014	0.024819
30 SEC	0.000774	0.999136	0.000039		0.000850	0.967408	0.025325
60 SEC	0.001547	0.998272	0.000078		0.001672	0.935874	0.026082
2 MIN	0.003092	0.996548	0.000154		0.003233	0.875863	0.027593
5 MIN	0.007711	0.991392	0.000367		0.007326	0.717943	0.032099
10 MIN	0.015355	0.982857	0.000688		0.012522	0.515439	0.039518
30 MIN	0.045279	0.949448	0.001705		0.021767	0.136941	0.068088
60 MIN	0.088270	0.901452	0.002924		0.023647	0.018753	0.107756
2 HR	0.167841	0.812616	0.005067		0.021761	0.000352	0.176534
4 HR	0.304231	0.660345	0.008721		0.017691	0.000000	0.278128
8 HR	0.505129	0.436055	0.014103		0.011682	0.000000	0.377429
12 HR	0.637790	0.287946	0.017657		0.007714	0.000000	0.392591
24 HR	0.821440	0.082913	0.022577		0.002221	0.	0.269166
36 HR	0.874321	0.023875	0.023993		0.000640	0.	0.140728
48 HR	0.889548	0.006875	0.024401		0.000184	0.	0.066125
60 HR	0.893933	0.001980	0.024519		0.000053	0.	0.029409
72 HR	0.895195	0.000570	0.024553		0.000015	0.	0.012667
84 HR	0.895559	0.000164	0.024562		0.000004	0.	0.005348
96 HR	0.895683	0.000047	0.024565		0.000001	0.	0.002228
108 HR	0.895694	0.000014	0.024566		0.000000	0.	0.000921
120 HR	0.895702	0.000004	0.024566		0.000000	0.	0.000378
132 HR	0.895705	0.000001	0.024566		0.000000	0.	0.000155

SATURATED IODINE 0.895706
SATURATED XENON 0.024566

TIME HOURS	IODINE		MW/KG	15.30		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024569
5 SEC	0.000130	0.999856	0.000007	0.000144	0.994461	0.024697
10 SEC	0.000260	0.999712	0.000013	0.000287	0.988944	0.024824
30 SEC	0.000779	0.999136	0.000040	0.000850	0.967201	0.025333
60 SEC	0.001558	0.998272	0.000079	0.001671	0.935473	0.026095
2 MIN	0.003113	0.996548	0.000155	0.003232	0.875114	0.027616
5 MIN	0.007761	0.991392	0.000369	0.007318	0.716409	0.032153
10 MIN	0.015456	0.982857	0.000691	0.012498	0.513239	0.039622
30 MIN	0.045577	0.949448	0.001710	0.021670	0.135195	0.068384
60 MIN	0.088851	0.901452	0.002929	0.023504	0.018278	0.108317
2 HR	0.168945	0.812616	0.005071	0.021618	0.000334	0.177559
4 HR	0.306233	0.660345	0.008724	0.017574	0.000000	0.279841
8 HR	0.508452	0.436055	0.014106	0.011605	0.000000	0.379826
12 HR	0.641986	0.287946	0.017660	0.007663	0.000000	0.395110
24 HR	0.826844	0.082913	0.022580	0.002207	0.	0.270910
36 HR	0.880073	0.023875	0.023996	0.000635	0.	0.141644
48 HR	0.895400	0.006875	0.024404	0.000183	0.	0.066556
60 HR	0.899814	0.001980	0.024522	0.000053	0.	0.029600
72 HR	0.901085	0.000570	0.024556	0.000015	0.	0.012750
84 HR	0.901451	0.000164	0.024565	0.000004	0.	0.005383
96 HR	0.901558	0.000047	0.024568	0.000001	0.	0.002243
108 HR	0.901586	0.000014	0.024569	0.000000	0.	0.000927
120 HR	0.901595	0.000004	0.024569	0.000000	0.	0.000380
132 HR	0.901598	0.000001	0.024569	0.000000	0.	0.000156

SATURATED IODINE 0.901599
SATURATED XENON 0.024569

TIME HOURS	IODINE		MW/KG	15.40 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024572
5 SEC	0.000131	0.999856	0.000007	0.000144	0.999425	0.024700
10 SEC	0.000262	0.999712	0.000013	0.000287	0.988873	0.024829
30 SEC	0.000784	0.999136	0.000040	0.000850	0.966994	0.025341
60 SEC	0.001568	0.998272	0.000079	0.001671	0.935073	0.026108
2 MIN	0.003133	0.996548	0.000156	0.003230	0.874366	0.027640
5 MIN	0.007812	0.991392	0.000372	0.007311	0.714878	0.032206
10 MIN	0.015557	0.982857	0.000694	0.012474	0.511049	0.039725
30 MIN	0.045875	0.949448	0.001714	0.021574	0.133471	0.068679
60 MIN	0.089431	0.901452	0.002933	0.023363	0.017815	0.108879
2 HR	0.170049	0.812616	0.005075	0.021477	0.000317	0.178584
4 HR	0.308234	0.660345	0.008728	0.017459	0.000000	0.281553
8 HR	0.511775	0.436055	0.014110	0.011529	0.000000	0.382222
12 HR	0.646182	0.287946	0.017663	0.007613	0.000000	0.397629
24 HR	0.832248	0.082913	0.022583	0.002192	0.	0.272655
36 HR	0.885825	0.023875	0.023999	0.000631	0.	0.142559
48 HR	0.901253	0.006875	0.024407	0.000182	0.	0.066987
60 HR	0.905695	0.001980	0.024525	0.000052	0.	0.029792
72 HR	0.906974	0.000570	0.024559	0.000015	0.	0.012832
84 HR	0.907342	0.000164	0.024568	0.000004	0.	0.005418
96 HR	0.907448	0.000047	0.024571	0.000001	0.	0.002258
108 HR	0.907479	0.000014	0.024572	0.000000	0.	0.000933
120 HR	0.907488	0.000004	0.024572	0.000000	0.	0.000383
132 HR	0.907490	0.000001	0.024572	0.000000	0.	0.000157

SATURATED IODINE 0.907491
SATURATED XENON 0.024572

TIME HOURS	IODINE		MW/KG	15.50 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024575
5 SEC	0.000132	0.999856	0.000007	0.000144	0.994390	0.024704
10 SEC	0.000263	0.999712	0.000013	0.000287	0.988803	0.024833
30 SEC	0.000789	0.999136	0.000040	0.000850	0.966787	0.025349
60 SEC	0.001578	0.998272	0.000080	0.001671	0.934674	0.026122
2 MIN	0.003153	0.996548	0.000156	0.003229	0.873618	0.027663
5 MIN	0.007863	0.991392	0.000374	0.007303	0.713351	0.032260
10 MIN	0.015658	0.982857	0.000698	0.012451	0.508867	0.039828
30 MIN	0.046173	0.949448	0.001719	0.021479	0.131770	0.068974
60 MIN	0.090012	0.901452	0.002937	0.023223	0.017363	0.109441
2 HR	0.171154	0.812616	0.005078	0.021338	0.000301	0.179609
4 HR	0.310236	0.660345	0.008732	0.017346	0.000000	0.283266
8 HR	0.515099	0.436055	0.014113	0.011454	0.000000	0.384618
12 HR	0.650378	0.287946	0.017667	0.007564	0.000000	0.400147
24 HR	0.837653	0.082913	0.022586	0.002178	0.	0.274400
36 HR	0.891578	0.023875	0.024002	0.000627	0.	0.143474
48 HR	0.907105	0.006875	0.024410	0.000181	0.	0.067417
60 HR	0.911576	0.001980	0.024528	0.000052	0.	0.029984
72 HR	0.912864	0.000570	0.024562	0.000015	0.	0.012915
84 HR	0.913234	0.000164	0.024571	0.000004	0.	0.005452
96 HR	0.913341	0.000047	0.024574	0.000001	0.	0.002272
108 HR	0.913372	0.000014	0.024575	0.000000	0.	0.000939
120 HR	0.913381	0.000004	0.024575	0.000000	0.	0.000385
132 HR	0.913383	0.000001	0.024575	0.000000	0.	0.000158

SATURATED IODINE 0.913384
SATURATED XENON 0.024575

TIME HOURS	IODINE		MW/KG	15.60 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024578
5 SEC	0.000132	0.999856	0.000007	0.000144	0.994354	0.024708
10 SEC	0.000265	0.999712	0.000014	0.000287	0.988732	0.024838
30 SEC	0.000794	0.999136	0.000040	0.000850	0.966580	0.025357
60 SEC	0.001588	0.998272	0.000080	0.001670	0.934274	0.026135
2 MIN	0.003174	0.996548	0.000157	0.003228	0.872871	0.027686
5 MIN	0.007913	0.991392	0.000376	0.007296	0.711827	0.032313
10 MIN	0.015759	0.982857	0.000701	0.012427	0.506695	0.039932
30 MIN	0.046471	0.949448	0.001723	0.021384	0.130090	0.069269
60 MIN	0.090593	0.901452	0.002941	0.023085	0.016923	0.110003
2 HR	0.172258	0.812616	0.005082	0.021200	0.000286	0.180634
4 HR	0.312237	0.660345	0.008736	0.017234	0.000000	0.284978
8 HR	0.518422	0.436055	0.014117	0.011380	0.000000	0.387014
12 HR	0.654574	0.287946	0.017670	0.007515	0.000000	0.402666
24 HR	0.843057	0.082913	0.022589	0.002164	0.	0.276145
36 HR	0.897330	0.023875	0.024005	0.000623	0.	0.144389
48 HR	0.912957	0.006875	0.024413	0.000179	0.	0.067848
60 HR	0.917457	0.001980	0.024531	0.000052	0.	0.030176
72 HR	0.918753	0.000570	0.024565	0.000015	0.	0.012997
84 HR	0.919126	0.000164	0.024574	0.000004	0.	0.005487
96 HR	0.919233	0.000047	0.024577	0.000001	0.	0.002287
108 HR	0.919264	0.000014	0.024578	0.000000	0.	0.000945
120 HR	0.919273	0.000004	0.024578	0.000000	0.	0.000388
132 HR	0.919276	0.000001	0.024578	0.000000	0.	0.000159

SATURATED IODINE 0.919277
SATURATED XENON 0.024578

TIME HOURS	IODINE		MW/KG	15.70 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024581
5 SEC	0.000133	0.999856	0.000007	0.000144	0.994319	0.024712
10 SEC	0.000267	0.999712	0.000014	0.000287	0.988662	0.024843
30 SEC	0.000799	0.999136	0.000041	0.000850	0.966374	0.025365
60 SEC	0.001598	0.998272	0.000081	0.001670	0.933874	0.026148
2 MIN	0.003194	0.996548	0.000158	0.003226	0.872125	0.027709
5 MIN	0.007964	0.991392	0.000378	0.007289	0.710306	0.032367
10 MIN	0.015860	0.982857	0.000704	0.012403	0.504533	0.040035
30 MIN	0.046769	0.949448	0.001728	0.021290	0.128431	0.069564
60 MIN	0.091174	0.901452	0.002945	0.022948	0.016494	0.110564
2 HR	0.173362	0.812616	0.005086	0.021065	0.000272	0.181659
4 HR	0.314239	0.660345	0.008739	0.017123	0.000000	0.286690
8 HR	0.521745	0.436055	0.014120	0.011307	0.000000	0.389411
12 HR	0.658770	0.287946	0.017673	0.007467	0.000000	0.405184
24 HR	0.848461	0.082913	0.022592	0.002150	0.	0.277890
36 HR	0.903082	0.023875	0.024008	0.000619	0.	0.145305
48 HR	0.918810	0.006875	0.024416	0.000178	0.	0.068279
60 HR	0.923338	0.001980	0.024534	0.000051	0.	0.030367
72 HR	0.924642	0.000570	0.024567	0.000015	0.	0.013080
84 HR	0.925018	0.000164	0.024577	0.000004	0.	0.005522
96 HR	0.925126	0.000047	0.024580	0.000001	0.	0.002301
108 HR	0.925157	0.000014	0.024581	0.000000	0.	0.000951
120 HR	0.925166	0.000004	0.024581	0.000000	0.	0.000390
132 HR	0.925169	0.000001	0.024581	0.000000	0.	0.000160

SATURATED IODINE 0.925170
SATURATED XENON 0.024581

TIME HOURS	MW/KG		15.80		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000134	0.999856	0.000007	0.000144	0.994283
10 SEC	0.000268	0.999712	0.000014	0.000287	0.988591
30 SEC	0.000805	0.999136	0.000041	0.000849	0.966167
60 SEC	0.001609	0.998272	0.000081	0.001670	0.933475
2 MIN	0.003214	0.996548	0.000159	0.003225	0.871379
5 MIN	0.008015	0.991392	0.000380	0.007281	0.708788
10 MIN	0.015961	0.982857	0.000707	0.012380	0.502379
30 MIN	0.047067	0.949448	0.001732	0.021196	0.126793
60 MIN	0.091754	0.901452	0.002949	0.022812	0.016077
2 HR	0.174466	0.812616	0.005090	0.020931	0.000258
4 HR	0.316240	0.660345	0.008743	0.017014	0.000000
8 HR	0.525068	0.436055	0.014123	0.011235	0.000000
12 HR	0.662966	0.287946	0.017676	0.007419	0.000000
24 HR	0.853865	0.082913	0.022595	0.002136	0.
36 HR	0.908834	0.023875	0.024011	0.000615	0.
48 HR	0.924662	0.006875	0.024419	0.000177	0.
60 HR	0.929219	0.001980	0.024536	0.000051	0.
72 HR	0.930532	0.000570	0.024570	0.000015	0.
84 HR	0.930910	0.000164	0.024580	0.000004	0.
96 HR	0.931019	0.000047	0.024583	0.000001	0.
108 HR	0.931050	0.000014	0.024584	0.000000	0.
120 HR	0.931059	0.000004	0.024584	0.000000	0.
132 HR	0.931061	0.000001	0.024584	0.000000	0.

SATURATED IODINE 0.931063
SATURATED XENON 0.024584

TIME HOURS	MW/KG		15.90		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000135	0.999856	0.000007	0.000144	0.994248
10 SEC	0.000270	0.999712	0.000014	0.000287	0.988521
30 SEC	0.000810	0.999136	0.000041	0.000849	0.965960
60 SEC	0.001619	0.998272	0.000082	0.001669	0.933076
2 MIN	0.003235	0.996548	0.000160	0.003224	0.870634
5 MIN	0.008066	0.991392	0.000382	0.007274	0.707274
10 MIN	0.016062	0.982857	0.000710	0.012356	0.500235
30 MIN	0.047365	0.949448	0.001736	0.021103	0.125177
60 MIN	0.092335	0.901452	0.002953	0.022678	0.015669
2 HR	0.175571	0.812616	0.005093	0.020799	0.000246
4 HR	0.318242	0.660345	0.008746	0.016906	0.000000
8 HR	0.528391	0.436055	0.014127	0.011164	0.000000
12 HR	0.667162	0.287946	0.017679	0.007372	0.000000
24 HR	0.859269	0.082913	0.022598	0.002123	0.
36 HR	0.914586	0.023875	0.024014	0.000611	0.
48 HR	0.930514	0.006875	0.024422	0.000176	0.
60 HR	0.935101	0.001980	0.024539	0.000051	0.
72 HR	0.936421	0.000570	0.024573	0.000015	0.
84 HR	0.936802	0.000164	0.024583	0.000004	0.
96 HR	0.936911	0.000047	0.024586	0.000001	0.
108 HR	0.936943	0.000014	0.024586	0.000000	0.
120 HR	0.936952	0.000004	0.024587	0.000000	0.
132 HR	0.936954	0.000001	0.024587	0.000000	0.

SATURATED IODINE 0.936955
SATURATED XENON 0.024587

TIME HOURS	MW/KG		16.00		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000136	0.999856	0.000007	0.000144	0.994213
10 SEC	0.000272	0.999712	0.000014	0.000286	0.988450
30 SEC	0.000815	0.999136	0.000041	0.000849	0.965754
60 SEC	0.001629	0.998272	0.000082	0.001669	0.932677
2 MIN	0.003255	0.996548	0.000161	0.003222	0.869889
5 MIN	0.008116	0.991392	0.000384	0.007267	0.705763
10 MIN	0.016163	0.982857	0.000714	0.012333	0.498099
30 MIN	0.047663	0.949448	0.001741	0.021011	0.123581
60 MIN	0.092916	0.901452	0.002957	0.022545	0.015272
2 HR	0.176675	0.812616	0.005097	0.020668	0.000233
4 HR	0.320244	0.660345	0.008750	0.016800	0.000000
8 HR	0.531715	0.436055	0.014130	0.011094	0.000000
12 HR	0.671358	0.287946	0.017683	0.007326	0.000000
24 HR	0.864674	0.082913	0.022601	0.002109	0.
36 HR	0.920338	0.023875	0.024017	0.000607	0.
48 HR	0.936366	0.006875	0.024425	0.000175	0.
60 HR	0.940982	0.001980	0.024542	0.000050	0.
72 HR	0.942311	0.000570	0.024576	0.000014	0.
84 HR	0.942693	0.000164	0.024586	0.000004	0.
96 HR	0.942804	0.000047	0.024588	0.000001	0.
108 HR	0.942835	0.000014	0.024589	0.000000	0.
120 HR	0.942844	0.000004	0.024589	0.000000	0.
132 HR	0.942847	0.000001	0.024590	0.000000	0.

SATURATED IODINE 0.942848
SATURATED XENON 0.024590

TIME HOURS	MW/KG		16.10		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000137	0.999856	0.000007	0.000144	0.994177
10 SEC	0.000273	0.999712	0.000014	0.000286	0.988380
30 SEC	0.000820	0.999136	0.000042	0.000849	0.965547
60 SEC	0.001639	0.998272	0.000082	0.001668	0.932278
2 MIN	0.003275	0.996548	0.000162	0.003221	0.869145
5 MIN	0.008167	0.991392	0.000386	0.007259	0.704255
10 MIN	0.016264	0.982857	0.000717	0.012309	0.495973
30 MIN	0.047960	0.949448	0.001745	0.020919	0.122005
60 MIN	0.093498	0.901452	0.002961	0.022414	0.014885
2 HR	0.177779	0.812616	0.005101	0.020539	0.000222
4 HR	0.322245	0.660345	0.008753	0.016695	0.000000
8 HR	0.535038	0.436055	0.014133	0.011024	0.000000
12 HR	0.675554	0.287946	0.017686	0.007280	0.000000
24 HR	0.870078	0.082913	0.022604	0.002096	0.
36 HR	0.926090	0.023875	0.024020	0.000604	0.
48 HR	0.942219	0.006875	0.024427	0.000174	0.
60 HR	0.946863	0.001980	0.024545	0.000050	0.
72 HR	0.948200	0.000570	0.024579	0.000014	0.
84 HR	0.948585	0.000164	0.024588	0.000004	0.
96 HR	0.948696	0.000047	0.024591	0.000001	0.
108 HR	0.948728	0.000014	0.024592	0.000000	0.
120 HR	0.948737	0.000004	0.024592	0.000000	0.
132 HR	0.948740	0.000001	0.024592	0.000000	0.

SATURATED IODINE 0.948741
SATURATED XENON 0.024592

TIME HOURS	IODINE		MW/KG	16.20 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024595
5 SEC	0.000137	0.999856	0.000007	0.000144	0.994142	0.024730
10 SEC	0.000275	0.999712	0.000014	0.000286	0.988309	0.024865
30 SEC	0.000825	0.999136	0.000042	0.000849	0.965341	0.025404
60 SEC	0.001649	0.998272	0.000083	0.001668	0.931879	0.026212
2 MIN	0.003296	0.996548	0.000163	0.003220	0.868402	0.027825
5 MIN	0.008218	0.991392	0.000388	0.007252	0.702751	0.032633
10 MIN	0.016365	0.982857	0.000720	0.012286	0.493856	0.040551
30 MIN	0.048258	0.949448	0.001749	0.020829	0.120449	0.071039
60 MIN	0.094077	0.901452	0.002965	0.022284	0.014508	0.113372
2 HR	0.178883	0.812616	0.005104	0.020412	0.000210	0.186783
4 HR	0.324247	0.660345	0.008757	0.016591	0.000000	0.295252
8 HR	0.538361	0.436055	0.014136	0.010956	0.000000	0.401391
12 HR	0.679750	0.287946	0.017689	0.007235	0.000000	0.417777
24 HR	0.875482	0.082913	0.022606	0.002083	0.	0.286614
36 HR	0.931842	0.023875	0.024022	0.000600	0.	0.149881
48 HR	0.948071	0.006875	0.024430	0.000173	0.	0.070433
60 HR	0.952744	0.001980	0.024548	0.000050	0.	0.031326
72 HR	0.954090	0.000570	0.024581	0.000014	0.	0.013493
84 HR	0.954477	0.000164	0.024591	0.000004	0.	0.005697
96 HR	0.954589	0.000047	0.024594	0.000001	0.	0.002374
108 HR	0.954621	0.000014	0.024595	0.000000	0.	0.000981
120 HR	0.954630	0.000004	0.024595	0.000000	0.	0.000403
132 HR	0.954633	0.000001	0.024595	0.000000	0.	0.000165

SATURATED IODINE 0.954634
SATURATED XENON 0.024595

TIME HOURS	IODINE		MW/KG	16.30 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024598
5 SEC	0.000138	0.999856	0.000007	0.000144	0.994106	0.024733
10 SEC	0.000277	0.999712	0.000014	0.000286	0.988239	0.024869
30 SEC	0.000830	0.999136	0.000042	0.000849	0.965134	0.025412
60 SEC	0.001659	0.998272	0.000083	0.001668	0.931480	0.026225
2 MIN	0.003316	0.996548	0.000164	0.003218	0.867660	0.027848
5 MIN	0.008269	0.991392	0.000390	0.007245	0.701249	0.032686
10 MIN	0.016466	0.982857	0.000723	0.012263	0.491748	0.040654
30 MIN	0.048556	0.949448	0.001753	0.020738	0.118913	0.071334
60 MIN	0.094658	0.901452	0.002969	0.022156	0.014140	0.113934
2 HR	0.179987	0.812616	0.005108	0.020286	0.000200	0.187808
4 HR	0.326248	0.660345	0.008760	0.016489	0.000000	0.296964
8 HR	0.541684	0.436055	0.014139	0.010888	0.000000	0.403787
12 HR	0.683946	0.287946	0.017692	0.007190	0.000000	0.420295
24 HR	0.880886	0.082913	0.022609	0.002070	0.	0.288358
36 HR	0.937594	0.023875	0.024025	0.000596	0.	0.150797
48 HR	0.953923	0.006875	0.024433	0.000172	0.	0.070864
60 HR	0.958625	0.001980	0.024550	0.000049	0.	0.031518
72 HR	0.959979	0.000570	0.024584	0.000014	0.	0.013576
84 HR	0.960369	0.000164	0.024594	0.000004	0.	0.005732
96 HR	0.960481	0.000047	0.024597	0.000001	0.	0.002388
108 HR	0.960513	0.000014	0.024597	0.000000	0.	0.000987
120 HR	0.960523	0.000004	0.024598	0.000000	0.	0.000405
132 HR	0.960525	0.000001	0.024598	0.000000	0.	0.000166

SATURATED IODINE 0.960527
SATURATED XENON 0.024598

TIME HOURS	IODINE		MW/KG	16.40 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024600
5 SEC	0.000139	0.999856	0.000007	0.000144	0.994071	0.024737
10 SEC	0.000278	0.999712	0.000014	0.000286	0.988169	0.024874
30 SEC	0.000835	0.999136	0.000042	0.000849	0.964928	0.025420
60 SEC	0.001670	0.998272	0.000084	0.001667	0.931082	0.026238
2 MIN	0.003336	0.996548	0.000165	0.003217	0.866918	0.027871
5 MIN	0.008319	0.991392	0.000392	0.007237	0.699751	0.032740
10 MIN	0.016567	0.982857	0.000726	0.012240	0.489650	0.040757
30 MIN	0.048854	0.949448	0.001757	0.020649	0.117397	0.071629
60 MIN	0.095239	0.901452	0.002972	0.022029	0.013782	0.114495
2 HR	0.181092	0.812616	0.005111	0.020161	0.000190	0.188833
4 HR	0.328250	0.660345	0.008763	0.016387	0.000000	0.298676
8 HR	0.545007	0.436055	0.014142	0.010821	0.000000	0.406183
12 HR	0.688142	0.287946	0.017695	0.007146	0.000000	0.422814
24 HR	0.886290	0.082913	0.022612	0.002058	0.	0.290103
36 HR	0.943347	0.023875	0.024028	0.000592	0.	0.151712
48 HR	0.959776	0.006875	0.024435	0.000171	0.	0.071294
60 HR	0.964506	0.001980	0.024553	0.000049	0.	0.031710
72 HR	0.965868	0.000570	0.024587	0.000014	0.	0.013659
84 HR	0.966261	0.000164	0.024596	0.000004	0.	0.005767
96 HR	0.966374	0.000047	0.024599	0.000001	0.	0.002403
108 HR	0.966406	0.000014	0.024600	0.000000	0.	0.000993
120 HR	0.966416	0.000004	0.024600	0.000000	0.	0.000408
132 HR	0.966418	0.000001	0.024600	0.000000	0.	0.000167

SATURATED IODINE 0.966419
SATURATED XENON 0.024600

TIME HOURS	IODINE		MW/KG	16.50 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024603
5 SEC	0.000140	0.999856	0.000007	0.000144	0.994036	0.024740
10 SEC	0.000280	0.999712	0.000014	0.000286	0.988098	0.024878
30 SEC	0.000840	0.999136	0.000043	0.000849	0.964722	0.025428
60 SEC	0.001680	0.998272	0.000084	0.001667	0.930684	0.026251
2 MIN	0.003357	0.996548	0.000166	0.003216	0.866176	0.027894
5 MIN	0.008370	0.991392	0.000394	0.007230	0.698256	0.032793
10 MIN	0.016668	0.982857	0.000729	0.012217	0.487560	0.040860
30 MIN	0.049152	0.949448	0.001761	0.020559	0.115900	0.071924
60 MIN	0.095819	0.901452	0.002976	0.021903	0.013433	0.115057
2 HR	0.182196	0.812616	0.005115	0.020039	0.000180	0.189857
4 HR	0.330251	0.660345	0.008767	0.016287	0.000000	0.300388
8 HR	0.548331	0.436055	0.014145	0.010755	0.000000	0.408579
12 HR	0.692338	0.287946	0.017697	0.007102	0.000000	0.425332
24 HR	0.891695	0.082913	0.022615	0.002045	0.	0.291848
36 HR	0.949099	0.023875	0.024030	0.000589	0.	0.152627
48 HR	0.965628	0.006875	0.024438	0.000170	0.	0.071725
60 HR	0.970387	0.001980	0.024556	0.000049	0.	0.031901
72 HR	0.971758	0.000570	0.024589	0.000014	0.	0.013741
84 HR	0.972153	0.000164	0.024599	0.000004	0.	0.005801
96 HR	0.972266	0.000047	0.024602	0.000001	0.	0.002418
108 HR	0.972299	0.000014	0.024603	0.000000	0.	0.000999
120 HR	0.972308	0.000004	0.024603	0.000000	0.	0.000410
132 HR	0.972311	0.000001	0.024603	0.000000	0.	0.000168

SATURATED IODINE 0.972312
SATURATED XENON 0.024603

TIME HOURS	MW/KG		16.60		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000141	0.999856	0.000007	0.000144	0.999400
10 SEC	0.000282	0.999712	0.000014	0.000286	0.988028
30 SEC	0.000845	0.999136	0.000043	0.000849	0.964515
60 SEC	0.001690	0.998272	0.000085	0.001667	0.930286
2 MIN	0.003377	0.996548	0.000167	0.003214	0.865436
5 MIN	0.008421	0.991392	0.000396	0.007223	0.696764
10 MIN	0.016769	0.982857	0.000732	0.012193	0.485478
30 MIN	0.049450	0.949448	0.001765	0.020471	0.114423
60 MIN	0.096400	0.901452	0.002980	0.021779	0.013093
2 HR	0.183300	0.812616	0.005118	0.019917	0.000171
4 HR	0.332253	0.660345	0.008770	0.016189	0.000000
8 HR	0.551654	0.436055	0.014149	0.010690	0.000000
12 HR	0.696534	0.287946	0.017700	0.007059	0.000000
24 HR	0.897099	0.082913	0.022617	0.002033	0.
36 HR	0.954851	0.023875	0.024033	0.000585	0.
48 HR	0.971480	0.006875	0.024441	0.000169	0.
60 HR	0.976269	0.001980	0.024558	0.000049	0.
72 HR	0.977647	0.000570	0.024592	0.000014	0.
84 HR	0.978044	0.000164	0.024602	0.000004	0.
96 HR	0.978159	0.000047	0.024604	0.000001	0.
108 HR	0.978192	0.000014	0.024605	0.000000	0.
120 HR	0.978201	0.000004	0.024605	0.000000	0.
132 HR	0.978204	0.000001	0.024606	0.000000	0.

SATURATED IODINE 0.978205
SATURATED XENON 0.024606

TIME HOURS	MW/KG		16.70		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000142	0.999856	0.000007	0.000144	0.993965
10 SEC	0.000284	0.999712	0.000014	0.000286	0.987957
30 SEC	0.000850	0.999136	0.000043	0.000849	0.964309
60 SEC	0.001700	0.998272	0.000085	0.001666	0.929888
2 MIN	0.003397	0.996548	0.000168	0.003213	0.864696
5 MIN	0.008471	0.991392	0.000398	0.007216	0.695276
10 MIN	0.016870	0.982857	0.000736	0.012170	0.483406
30 MIN	0.049748	0.949448	0.001769	0.020383	0.112964
60 MIN	0.096981	0.901452	0.002983	0.021655	0.012761
2 HR	0.184404	0.812616	0.005121	0.019798	0.000163
4 HR	0.334254	0.660345	0.008773	0.016091	0.000000
8 HR	0.554977	0.436055	0.014151	0.010626	0.000000
12 HR	0.700730	0.287946	0.017703	0.007017	0.000000
24 HR	0.902503	0.082913	0.022620	0.002020	0.
36 HR	0.960603	0.023875	0.024036	0.000582	0.
48 HR	0.977332	0.006875	0.024443	0.000168	0.
60 HR	0.982150	0.001980	0.024561	0.000048	0.
72 HR	0.983537	0.000570	0.024594	0.000014	0.
84 HR	0.983936	0.000164	0.024604	0.000004	0.
96 HR	0.984051	0.000047	0.024607	0.000001	0.
108 HR	0.984084	0.000014	0.024608	0.000000	0.
120 HR	0.984094	0.000004	0.024608	0.000000	0.
132 HR	0.984097	0.000001	0.024608	0.000000	0.

SATURATED IODINE 0.984098
SATURATED XENON 0.024608

TIME HOURS	MW/KG		16.80		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000143	0.999856	0.000007	0.000144	0.993929
10 SEC	0.000285	0.999712	0.000015	0.000286	0.987887
30 SEC	0.000855	0.999136	0.000043	0.000849	0.964103
60 SEC	0.001710	0.998272	0.000086	0.001666	0.929490
2 MIN	0.003418	0.996548	0.000169	0.003212	0.863956
5 MIN	0.008522	0.991392	0.000400	0.007208	0.693790
10 MIN	0.016971	0.982857	0.000739	0.012147	0.481343
30 MIN	0.050046	0.949448	0.001773	0.020296	0.111523
60 MIN	0.097562	0.901452	0.002987	0.021533	0.012437
2 HR	0.185509	0.812616	0.005125	0.019679	0.000155
4 HR	0.336258	0.660345	0.008776	0.015995	0.000000
8 HR	0.558300	0.436055	0.014154	0.010562	0.000000
12 HR	0.704926	0.287946	0.017706	0.006975	0.000000
24 HR	0.907907	0.082913	0.022622	0.002008	0.
36 HR	0.966355	0.023875	0.024038	0.000578	0.
48 HR	0.983185	0.006875	0.024446	0.000167	0.
60 HR	0.988031	0.001980	0.024563	0.000048	0.
72 HR	0.989428	0.000570	0.024597	0.000014	0.
84 HR	0.989828	0.000164	0.024607	0.000004	0.
96 HR	0.989944	0.000047	0.024610	0.000001	0.
108 HR	0.989977	0.000014	0.024610	0.000000	0.
120 HR	0.989987	0.000004	0.024611	0.000000	0.
132 HR	0.989989	0.000001	0.024611	0.000000	0.

SATURATED IODINE 0.989991
SATURATED XENON 0.024611

TIME HOURS	MW/KG		16.90		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000143	0.999856	0.000007	0.000144	0.993894
10 SEC	0.000287	0.999712	0.000015	0.000286	0.987816
30 SEC	0.000861	0.999136	0.000044	0.000848	0.963897
60 SEC	0.001721	0.998272	0.000086	0.001666	0.929093
2 MIN	0.003438	0.996548	0.000170	0.003210	0.863217
5 MIN	0.008573	0.991392	0.000402	0.007201	0.692308
10 MIN	0.017072	0.982857	0.000742	0.012125	0.479288
30 MIN	0.050344	0.949448	0.001777	0.020209	0.110101
60 MIN	0.098142	0.901452	0.002990	0.021413	0.012122
2 HR	0.186613	0.812616	0.005128	0.019562	0.000147
4 HR	0.338257	0.660345	0.008779	0.015899	0.000000
8 HR	0.561624	0.436055	0.014157	0.010459	0.000000
12 HR	0.709122	0.287946	0.017709	0.006933	0.000000
24 HR	0.913311	0.082913	0.022625	0.001996	0.
36 HR	0.972107	0.023875	0.024041	0.000575	0.
48 HR	0.989037	0.006875	0.024448	0.000166	0.
60 HR	0.993912	0.001980	0.024566	0.000048	0.
72 HR	0.995316	0.000570	0.024600	0.000014	0.
84 HR	0.995720	0.000164	0.024609	0.000004	0.
96 HR	0.995836	0.000047	0.024612	0.000001	0.
108 HR	0.995870	0.000014	0.024613	0.000000	0.
120 HR	0.995879	0.000004	0.024613	0.000000	0.
132 HR	0.995882	0.000001	0.024613	0.000000	0.

SATURATED IODINE 0.995883
SATURATED XENON 0.024613

TIME HOURS	IODINE		MW/KG	17.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024616
5 SEC	0.000144	0.999856	0.000007	0.000144	0.999856	0.024757
10 SEC	0.000289	0.999712	0.000015	0.000286	0.987746	0.024899
30 SEC	0.000866	0.999136	0.000044	0.000848	0.963691	0.025466
60 SEC	0.001731	0.998272	0.000087	0.001665	0.928695	0.026314
2 MIN	0.003458	0.996548	0.000171	0.003209	0.862479	0.028008
5 MIN	0.008624	0.991392	0.000404	0.007194	0.690829	0.033058
10 MIN	0.017173	0.982857	0.000745	0.012102	0.477243	0.041374
30 MIN	0.050641	0.949448	0.001781	0.020123	0.108697	0.073397
60 MIN	0.098723	0.901452	0.002994	0.021293	0.011815	0.117864
2 HR	0.187717	0.812616	0.005131	0.019446	0.000140	0.194980
4 HR	0.340259	0.660345	0.008782	0.015805	0.000000	0.308949
8 HR	0.564947	0.436055	0.014160	0.010437	0.000000	0.420560
12 HR	0.713318	0.287946	0.017711	0.006892	0.000000	0.437924
24 HR	0.918716	0.082913	0.022628	0.001985	0.	0.300572
36 HR	0.977859	0.023875	0.024043	0.000571	0.	0.157203
48 HR	0.994889	0.006875	0.024451	0.000165	0.	0.073879
60 HR	0.999793	0.001980	0.024568	0.000047	0.	0.032860
72 HR	1.001205	0.000570	0.024602	0.000014	0.	0.014154
84 HR	1.001612	0.000164	0.024612	0.000004	0.	0.005976
96 HR	1.001729	0.000047	0.024615	0.000001	0.	0.002490
108 HR	1.001762	0.000014	0.024615	0.000000	0.	0.001029
120 HR	1.001772	0.000004	0.024616	0.000000	0.	0.000422
132 HR	1.001775	0.000001	0.024616	0.000000	0.	0.000173

SATURATED IODINE 1.001776
SATURATED XENON 0.024616

TIME HOURS	IODINE		MW/KG	17.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024618
5 SEC	0.000145	0.999856	0.000007	0.000144	0.993823	0.024761
10 SEC	0.000290	0.999712	0.000015	0.000286	0.987675	0.024903
30 SEC	0.000871	0.999136	0.000044	0.000848	0.963485	0.025473
60 SEC	0.001741	0.998272	0.000087	0.001665	0.928298	0.026327
2 MIN	0.003479	0.996548	0.000171	0.003208	0.861742	0.028031
5 MIN	0.008674	0.991392	0.000406	0.007187	0.689353	0.033111
10 MIN	0.017274	0.982857	0.000748	0.012079	0.475205	0.041477
30 MIN	0.050939	0.949448	0.001785	0.020038	0.107312	0.073692
60 MIN	0.099304	0.901452	0.002997	0.021175	0.011516	0.118425
2 HR	0.188821	0.812616	0.005134	0.019332	0.000133	0.196005
4 HR	0.342280	0.660345	0.008785	0.015712	0.000000	0.310661
8 HR	0.568270	0.436055	0.014163	0.010375	0.000000	0.422955
12 HR	0.717514	0.287946	0.017714	0.006851	0.000000	0.440443
24 HR	0.924120	0.082913	0.022630	0.001973	0.	0.302316
36 HR	0.983611	0.023875	0.024046	0.000568	0.	0.158119
48 HR	1.000742	0.006875	0.024453	0.000164	0.	0.074310
60 HR	1.005674	0.001980	0.024571	0.000047	0.	0.033052
72 HR	1.007095	0.000570	0.024604	0.000014	0.	0.014237
84 HR	1.007504	0.000164	0.024614	0.000004	0.	0.006011
96 HR	1.007621	0.000047	0.024617	0.000001	0.	0.002505
108 HR	1.007655	0.000014	0.024618	0.000000	0.	0.001035
120 HR	1.007665	0.000004	0.024618	0.000000	0.	0.000425
132 HR	1.007668	0.000001	0.024618	0.000000	0.	0.000174

SATURATED IODINE 1.007669
SATURATED XENON 0.024618

TIME HOURS	IODINE		MW/KG	17.20 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024621
5 SEC	0.000146	0.999856	0.000007	0.000144	0.993788	0.024764
10 SEC	0.000292	0.999712	0.000015	0.000286	0.987605	0.024907
30 SEC	0.000876	0.999136	0.000044	0.000848	0.963279	0.025481
60 SEC	0.001751	0.998272	0.000088	0.001665	0.927901	0.026340
2 MIN	0.003499	0.996548	0.000172	0.003206	0.861005	0.028053
5 MIN	0.008725	0.991392	0.000408	0.007179	0.687880	0.033164
10 MIN	0.017375	0.982857	0.000751	0.012056	0.473177	0.041580
30 MIN	0.051237	0.949448	0.001789	0.019953	0.105943	0.073987
60 MIN	0.099884	0.901452	0.003001	0.021058	0.011224	0.118986
2 HR	0.189925	0.812616	0.005138	0.019219	0.000126	0.197029
4 HR	0.344262	0.660345	0.008788	0.015620	0.000000	0.312373
8 HR	0.571593	0.436055	0.014166	0.010315	0.000000	0.425351
12 HR	0.721710	0.287946	0.017717	0.006811	0.000000	0.442961
24 HR	0.929524	0.082913	0.022633	0.001961	0.	0.304061
36 HR	0.989363	0.023875	0.024048	0.000565	0.	0.159034
48 HR	1.006594	0.006875	0.024456	0.000163	0.	0.074740
60 HR	1.011555	0.001980	0.024573	0.000047	0.	0.033244
72 HR	1.012984	0.000570	0.024607	0.000013	0.	0.014320
84 HR	1.013395	0.000164	0.024617	0.000004	0.	0.006046
96 HR	1.013514	0.000047	0.024619	0.000001	0.	0.002519
108 HR	1.013548	0.000014	0.024620	0.000000	0.	0.001041
120 HR	1.013558	0.000004	0.024620	0.000000	0.	0.000427
132 HR	1.013561	0.000001	0.024620	0.000000	0.	0.000175

SATURATED IODINE 1.013562
SATURATED XENON 0.024621

TIME HOURS	IODINE		MW/KG	17.30 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024623
5 SEC	0.000147	0.999856	0.000007	0.000144	0.993752	0.024767
10 SEC	0.000294	0.999712	0.000015	0.000286	0.987535	0.024911
30 SEC	0.000881	0.999136	0.000045	0.000848	0.963073	0.025488
60 SEC	0.001761	0.998272	0.000088	0.001664	0.927504	0.026352
2 MIN	0.003519	0.996548	0.000173	0.003205	0.860268	0.028076
5 MIN	0.008776	0.991392	0.000410	0.007172	0.686411	0.033217
10 MIN	0.017476	0.982857	0.000754	0.012034	0.471157	0.041682
30 MIN	0.051535	0.949448	0.001792	0.019869	0.104592	0.074281
60 MIN	0.100465	0.901452	0.003004	0.020942	0.010940	0.119548
2 HR	0.191030	0.812616	0.005141	0.019108	0.000120	0.198053
4 HR	0.346263	0.660345	0.008791	0.015529	0.000000	0.314085
8 HR	0.574918	0.436055	0.014169	0.010255	0.000000	0.427747
12 HR	0.725908	0.287946	0.017719	0.006772	0.000000	0.445480
24 HR	0.934928	0.082913	0.022635	0.001950	0.	0.305806
36 HR	0.995115	0.023875	0.024051	0.000561	0.	0.159949
48 HR	1.012448	0.006875	0.024458	0.000162	0.	0.075171
60 HR	1.017436	0.001980	0.024575	0.000047	0.	0.033435
72 HR	1.018873	0.000570	0.024609	0.000013	0.	0.014402
84 HR	1.019287	0.000164	0.024619	0.000004	0.	0.006081
96 HR	1.019406	0.000047	0.024622	0.000001	0.	0.002534
108 HR	1.019441	0.000014	0.024623	0.000000	0.	0.001047
120 HR	1.019451	0.000004	0.024623	0.000000	0.	0.000430
132 HR	1.019453	0.000001	0.024623	0.000000	0.	0.000176

SATURATED IODINE 1.019455
SATURATED XENON 0.024623

TIME HOURS	MW/KG		17.40		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000 0.024625
5 SEC	0.000148	0.999856	0.000008	0.000144	0.993717 0.024770
10 SEC	0.000295	0.999712	0.000015	0.000286	0.987464 0.024916
30 SEC	0.000886	0.999136	0.000045	0.000848	0.962867 0.025496
60 SEC	0.001771	0.998272	0.000089	0.001664	0.927108 0.026365
2 MIN	0.003540	0.996548	0.000174	0.003204	0.859533 0.028099
5 MIN	0.008827	0.991392	0.000412	0.007165	0.684944 0.033270
10 MIN	0.017577	0.982857	0.000757	0.012011	0.469146 0.041785
30 MIN	0.051833	0.949448	0.001796	0.019785	0.103259 0.074576
60 MIN	0.101046	0.901452	0.003007	0.020828	0.010662 0.120109
2 HR	0.192134	0.812616	0.005144	0.018997	0.000114 0.199078
4 HR	0.348265	0.660345	0.008794	0.015440	0.000000 0.315797
8 HR	0.578240	0.436055	0.014171	0.010195	0.000000 0.430143
12 HR	0.730102	0.287946	0.017722	0.006732	0.000000 0.447998
24 HR	0.940333	0.082913	0.022638	0.001939	0. 0.307550
36 HR	1.000868	0.023875	0.024053	0.000558	0. 0.160865
48 HR	1.018298	0.006875	0.024460	0.000161	0. 0.075602
60 HR	1.023318	0.001980	0.024578	0.000046	0. 0.033627
72 HR	1.024763	0.000570	0.024612	0.000013	0. 0.014485
84 HR	1.025179	0.000164	0.024621	0.000004	0. 0.006115
96 HR	1.025299	0.000047	0.024624	0.000001	0. 0.002548
108 HR	1.025333	0.000014	0.024625	0.000000	0. 0.001053
120 HR	1.025343	0.000004	0.024625	0.000000	0. 0.000432
132 HR	1.025346	0.000001	0.024625	0.000000	0. 0.000177

SATURATED IODINE 1.025347
SATURATED XENON 0.024625

TIME HOURS	MW/KG		17.50		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000 0.024628
5 SEC	0.000148	0.999856	0.000008	0.000144	0.993681 0.024774
10 SEC	0.000297	0.999712	0.000015	0.000286	0.987394 0.024920
30 SEC	0.000891	0.999136	0.000045	0.000848	0.962661 0.025503
60 SEC	0.001782	0.998272	0.000089	0.001664	0.926711 0.026377
2 MIN	0.003560	0.996548	0.000175	0.003202	0.858798 0.028121
5 MIN	0.008877	0.991392	0.000414	0.007158	0.683481 0.033323
10 MIN	0.017678	0.982857	0.000760	0.011989	0.467144 0.041888
30 MIN	0.052131	0.949448	0.001800	0.019702	0.101942 0.074870
60 MIN	0.101627	0.901452	0.003010	0.020714	0.010392 0.120670
2 HR	0.193238	0.812616	0.005147	0.018888	0.000108 0.200102
4 HR	0.350266	0.660345	0.008797	0.015351	0.000000 0.317509
8 HR	0.581563	0.436055	0.014174	0.010137	0.000000 0.432539
12 HR	0.734298	0.287946	0.017725	0.006694	0.000000 0.450516
24 HR	0.945737	0.082913	0.022640	0.001927	0. 0.309295
36 HR	1.006620	0.023875	0.024055	0.000555	0. 0.161780
48 HR	1.024151	0.006875	0.024463	0.000160	0. 0.076033
60 HR	1.029199	0.001980	0.024580	0.000046	0. 0.033819
72 HR	1.030652	0.000570	0.024614	0.000013	0. 0.014567
84 HR	1.031071	0.000164	0.024624	0.000004	0. 0.006150
96 HR	1.031191	0.000047	0.024626	0.000001	0. 0.002563
108 HR	1.031226	0.000014	0.024627	0.000000	0. 0.001059
120 HR	1.031236	0.000004	0.024627	0.000000	0. 0.000435
132 HR	1.031239	0.000001	0.024628	0.000000	0. 0.000178

SATURATED IODINE 1.031240
SATURATED XENON 0.024628

TIME HOURS	MW/KG		17.60		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000 0.024630
5 SEC	0.000149	0.999856	0.000008	0.000144	0.993646 0.024777
10 SEC	0.000299	0.999712	0.000015	0.000286	0.987323 0.024924
30 SEC	0.000896	0.999136	0.000045	0.000848	0.962455 0.025510
60 SEC	0.001792	0.998272	0.000090	0.001663	0.926315 0.026390
2 MIN	0.003580	0.996548	0.000176	0.003201	0.858063 0.028144
5 MIN	0.008928	0.991392	0.000416	0.007151	0.682021 0.033376
10 MIN	0.017779	0.982857	0.000763	0.011966	0.465150 0.041990
30 MIN	0.052429	0.949448	0.001804	0.019619	0.100642 0.075165
60 MIN	0.102207	0.901452	0.003014	0.020602	0.010129 0.121231
2 HR	0.194342	0.812616	0.005150	0.018780	0.000103 0.201127
4 HR	0.352268	0.660345	0.008800	0.015263	0.000000 0.319221
8 HR	0.584886	0.436055	0.014177	0.010079	0.000000 0.434935
12 HR	0.738494	0.287946	0.017727	0.006655	0.000000 0.453035
24 HR	0.951141	0.082913	0.022642	0.001916	0. 0.311040
36 HR	1.012372	0.023875	0.024058	0.000552	0. 0.162695
48 HR	1.030003	0.006875	0.024465	0.000159	0. 0.076463
60 HR	1.035080	0.001980	0.024582	0.000046	0. 0.034011
72 HR	1.036542	0.000570	0.024616	0.000013	0. 0.014650
84 HR	1.036963	0.000164	0.024626	0.000004	0. 0.006185
96 HR	1.037084	0.000047	0.024629	0.000001	0. 0.002578
108 HR	1.037119	0.000014	0.024630	0.000000	0. 0.001065
120 HR	1.037129	0.000004	0.024630	0.000000	0. 0.000437
132 HR	1.037132	0.000001	0.024630	0.000000	0. 0.000179

SATURATED IODINE 1.037133
SATURATED XENON 0.024630

TIME HOURS	MW/KG		17.70		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000 0.024632
5 SEC	0.000150	0.999856	0.000008	0.000144	0.993611 0.024780
10 SEC	0.000301	0.999712	0.000015	0.000286	0.987253 0.024928
30 SEC	0.000901	0.999136	0.000046	0.000848	0.962249 0.025518
60 SEC	0.001802	0.998272	0.000090	0.001663	0.925919 0.026402
2 MIN	0.003601	0.996548	0.000177	0.003200	0.857330 0.028167
5 MIN	0.008979	0.991392	0.000418	0.007144	0.680563 0.033429
10 MIN	0.017880	0.982857	0.000766	0.011944	0.463165 0.042093
30 MIN	0.052727	0.949448	0.001807	0.019537	0.099359 0.075459
60 MIN	0.102788	0.901452	0.003017	0.020491	0.009872 0.121792
2 HR	0.195446	0.812616	0.005153	0.018674	0.000097 0.202151
4 HR	0.354269	0.660345	0.008803	0.015176	0.000000 0.320932
8 HR	0.588209	0.436055	0.014179	0.010022	0.000000 0.437331
12 HR	0.742690	0.287946	0.017730	0.006618	0.000000 0.455553
24 HR	0.956545	0.082913	0.022645	0.001906	0. 0.312785
36 HR	1.018124	0.023875	0.024060	0.000549	0. 0.163610
48 HR	1.035855	0.006875	0.024467	0.000158	0. 0.076894
60 HR	1.040961	0.001980	0.024585	0.000045	0. 0.034202
72 HR	1.042431	0.000570	0.024619	0.000013	0. 0.014733
84 HR	1.042855	0.000164	0.024628	0.000004	0. 0.006220
96 HR	1.042976	0.000047	0.024631	0.000001	0. 0.002592
108 HR	1.043012	0.000014	0.024632	0.000000	0. 0.001071
120 HR	1.043022	0.000004	0.024632	0.000000	0. 0.000440
132 HR	1.043025	0.000001	0.024632	0.000000	0. 0.000180

SATURATED IODINE 1.043026
SATURATED XENON 0.024632

TIME HOURS	MW/KG		17.80		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000151	0.999856	0.000008	0.000144	0.993575
10 SEC	0.000302	0.999712	0.000015	0.000286	0.987183
30 SEC	0.000906	0.999136	0.000046	0.000848	0.962043
60 SEC	0.001812	0.998272	0.000091	0.001662	0.925523
2 MIN	0.003621	0.996548	0.000178	0.003198	0.856597
5 MIN	0.009029	0.991392	0.000419	0.007136	0.679109
10 MIN	0.017981	0.982857	0.000769	0.011921	0.461188
30 MIN	0.053025	0.949448	0.001811	0.019455	0.098092
60 MIN	0.103369	0.901452	0.003020	0.020380	0.009622
2 HR	0.196551	0.812616	0.005156	0.018568	0.000093
4 HR	0.356271	0.660345	0.008806	0.015090	0.000000
8 HR	0.591532	0.436055	0.014182	0.009965	0.000000
12 HR	0.746886	0.287946	0.017732	0.006580	0.000000
24 HR	0.561949	0.082913	0.022647	0.001895	0.
36 HR	1.023876	0.023875	0.024062	0.000546	0.
48 HR	1.041708	0.006875	0.024470	0.000157	0.
60 HR	1.046842	0.001980	0.024587	0.000045	0.
72 HR	1.048321	0.000570	0.024621	0.000013	0.
84 HR	1.048746	0.000164	0.024631	0.000004	0.
96 HR	1.048869	0.000047	0.024633	0.000001	0.
108 HR	1.048904	0.000014	0.024634	0.000000	0.
120 HR	1.048914	0.000004	0.024634	0.000000	0.
132 HR	1.048917	0.000001	0.024634	0.000000	0.

SATURATED IODINE 1.048919
SATURATED XENON 0.024634

TIME HOURS	IODINE		MW/KG	17.90		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024637
5 SEC	0.000152	0.999856	0.000008	0.000144	0.993540	0.024786
10 SEC	0.000304	0.999712	0.000016	0.000286	0.987112	0.024935
30 SEC	0.000912	0.999136	0.000046	0.000848	0.961838	0.025532
60 SEC	0.001822	0.998272	0.000091	0.001662	0.925127	0.026427
2 MIN	0.003641	0.996548	0.000179	0.003197	0.855864	0.028212
5 MIN	0.009080	0.991392	0.000421	0.007129	0.677659	0.033534
10 MIN	0.018082	0.982857	0.000772	0.011899	0.459219	0.042298
30 MIN	0.053323	0.949448	0.001814	0.019375	0.096842	0.076048
60 MIN	0.103949	0.901452	0.003023	0.020271	0.009378	0.122915
2 HR	0.197655	0.812616	0.005159	0.018464	0.000088	0.204200
4 HR	0.358272	0.660345	0.008809	0.015006	0.000000	0.324356
8 HR	0.594856	0.436055	0.014185	0.009909	0.000000	0.442123
12 HR	0.751082	0.287946	0.017735	0.006543	0.000000	0.460589
24 HR	0.967354	0.082913	0.022649	0.001884	0.	0.316274
36 HR	1.029628	0.023875	0.024064	0.000543	0.	0.165441
48 HR	1.047560	0.006875	0.024472	0.000156	0.	0.077756
60 HR	1.052723	0.001980	0.024589	0.000045	0.	0.034586
72 HR	1.054210	0.000570	0.024623	0.000013	0.	0.014898
84 HR	1.054638	0.000164	0.024633	0.000004	0.	0.006290
96 HR	1.054761	0.000047	0.024636	0.000001	0.	0.002621
108 HR	1.054797	0.000014	0.024636	0.000000	0.	0.001083
120 HR	1.054807	0.000004	0.024637	0.000000	0.	0.000445
132 HR	1.054810	0.000001	0.024637	0.000000	0.	0.000182

SATURATED IODINE 1.054811
SATURATED XENON 0.024637

TIME HOURS	MW/KG		18.00		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000153	0.999856	0.000008	0.000144	0.9993505
10 SEC	0.000306	0.999712	0.000016	0.000286	0.9987042
30 SEC	0.000917	0.999136	0.000046	0.000847	0.961632
60 SEC	0.001833	0.998272	0.000092	0.001662	0.924731
2 MIN	0.003662	0.996548	0.000180	0.003196	0.855132
5 MIN	0.009131	0.991392	0.000423	0.007122	0.676211
10 MIN	0.018183	0.982857	0.000775	0.011877	0.457259
30 MIN	0.053620	0.949448	0.001818	0.019294	0.095607
60 MIN	0.104530	0.901452	0.003026	0.020163	0.009141
2 HR	0.198759	0.812616	0.005162	0.018361	0.000084
4 HR	0.360274	0.660345	0.008811	0.014922	0.000000
8 HR	0.598179	0.436055	0.014187	0.009853	0.000000
12 HR	0.755278	0.287946	0.017737	0.006507	0.000000
24 HR	0.572758	0.082913	0.022652	0.001874	0.0318019
36 HR	1.035380	0.023875	0.024067	0.000539	0.0166356
48 HR	1.053412	0.006875	0.024474	0.000155	0.0078186
60 HR	1.058604	0.001980	0.024591	0.000045	0.0034778
72 HR	1.060100	0.000570	0.024625	0.000013	0.0014981
84 HR	1.060530	0.000164	0.024635	0.000004	0.0006325
96 HR	1.060654	0.000047	0.024638	0.000001	0.0002636
108 HR	1.060690	0.000014	0.024639	0.000000	0.0010899
120 HR	1.060700	0.000004	0.024639	0.000000	0.0000447
132 HR	1.060703	0.000001	0.024639	0.000000	0.0000183

SATURATED IODINE 1.060704
SATURATED XENON 0.024639

TIME HOURS	IODINE		MW/KG	18.10	XENON	SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024641
5 SEC	0.000154	0.999856	0.000008	0.000144	0.993469	0.024792
10 SEC	0.000307	0.999712	0.000016	0.000286	0.986972	0.024943
30 SEC	0.000922	0.999136	0.000047	0.000847	0.961426	0.025547
60 SEC	0.001843	0.998272	0.000092	0.001661	0.924336	0.026452
2 MIN	0.003682	0.996548	0.000181	0.003194	0.854401	0.028257
5 MIN	0.009182	0.991392	0.000425	0.007115	0.674766	0.033640
10 MIN	0.018284	0.982857	0.000778	0.011855	0.455307	0.042503
30 MIN	0.053918	0.949448	0.001821	0.019214	0.094388	0.076637
60 MIN	0.105111	0.901452	0.003029	0.020057	0.008909	0.124037
2 HR	0.199863	0.812616	0.005164	0.018259	0.000079	0.206248
4 HR	0.362275	0.660345	0.008814	0.014839	0.000000	0.327780
8 HR	0.601502	0.436055	0.014190	0.009799	0.000000	0.446914
12 HR	0.759474	0.287946	0.017740	0.006471	0.000000	0.465626
24 HR	0.578162	0.082913	0.022654	0.001863	0.	0.319763
36 HR	1.041132	0.023875	0.024069	0.000536	0.	0.167271
48 HR	1.059264	0.006875	0.024476	0.000154	0.	0.078617
60 HR	1.064486	0.001980	0.024594	0.000044	0.	0.034969
72 HR	1.065989	0.000570	0.024627	0.000013	0.	0.015063
84 HR	1.066422	0.000164	0.024637	0.000004	0.	0.006360
96 HR	1.066546	0.000047	0.024640	0.000001	0.	0.002650
108 HR	1.066582	0.000014	0.024641	0.000000	0.	0.001095
120 HR	1.066593	0.000004	0.024641	0.000000	0.	0.000450
132 HR	1.066596	0.000001	0.024641	0.000000	0.	0.000184

SATURATED IODINE 1.066597
SATURATED XENON 0.024641

TIME HOURS	A	B	MM/KG	C	18.20 XENON D	E	SHUTDOWN TRANSIENT
0 SEC	0.000154	1.000000	0.000008	0.000144	1.000000	0.024643	0.024645
5 SEC	0.000309	0.999856	0.000016	0.000286	0.999334	0.024795	0.024798
10 SEC	0.000912	0.999112	0.000047	0.000847	0.986831	0.024951	0.024951
30 SEC	0.003037	0.996936	0.000093	0.003161	0.923941	0.025554	0.025551
60 SEC	0.001853	0.998272	0.000082	0.001631	0.923941	0.025554	0.025551
2 MIN	0.003103	0.996548	0.000182	0.003193	0.853670	0.026279	0.026476
5 MIN	0.003232	0.991392	0.000427	0.007108	0.673325	0.033692	0.033802
10 MIN	0.018385	0.982857	0.000781	0.011833	0.453364	0.042606	0.042708
30 MIN	0.054216	0.949448	0.001825	0.019135	0.093184	0.076931	0.077226
60 MIN	0.105692	0.901452	0.003032	0.019951	0.008683	0.124598	0.125159
2 HR	0.000968	0.126162	0.005167	0.018158	0.000075	0.202723	0.208297
4 HR	0.064277	0.560345	0.008817	0.014157	0.000000	0.329692	0.451706
8 HR	0.050425	0.536055	0.014192	0.009745	0.000000	0.468144	0.470663
12 HR	0.076370	0.287946	0.017742	0.006435	0.000000	0.321508	0.332253
24 HR	0.083566	0.082913	0.022656	0.001853	0.000000	0.168187	0.169102
36 HR	0.046884	0.023875	0.024071	0.000534	0.000000	0.079048	0.079479
48 HR	0.065117	0.006875	0.024478	0.000154	0.000000	0.035161	0.035355
60 HR	0.001980	0.001980	0.024596	0.000044	0.000000	0.015146	0.015229
72 HR	0.001878	0.000570	0.024630	0.000013	0.000000	0.006395	0.006430
84 HR	0.00164	0.000164	0.024639	0.000004	0.000000	0.002665	0.002679
96 HR	0.00047	0.000047	0.024642	0.000001	0.000000	0.001101	0.001107
108 HR	0.00014	0.000014	0.024643	0.000000	0.000000	0.000085	0.000085
120 HR	0.00004	0.000004	0.024643	0.000000	0.000000	0.000185	0.000186
132 HR	0.00001	0.000001	0.024643	0.000000	0.000000	0.000185	0.000186

SATURATED IODINE 1.072490
SATURATED XENON 0.024643

SATURATED IODINE 1.078363
SATURATED XENON 0.024645

TIME HOURS	A	B	MM/KG	C	18.40 XENON D	E	SHUTDOWN TRANSIENT
0 SEC	0.000156	1.000000	0.000008	0.000144	1.000000	0.024647	0.024650
5 SEC	0.000312	0.999856	0.000016	0.000286	0.999334	0.024801	0.024804
10 SEC	0.000912	0.999112	0.000047	0.000847	0.986831	0.024955	0.024958
30 SEC	0.003037	0.996936	0.000093	0.003161	0.923941	0.025559	0.025576
60 SEC	0.001853	0.998272	0.000082	0.001631	0.923941	0.025559	0.025576
2 MIN	0.003103	0.996548	0.000182	0.003193	0.853670	0.026279	0.026501
5 MIN	0.003232	0.991392	0.000427	0.007108	0.673325	0.033692	0.033850
10 MIN	0.018387	0.982857	0.000781	0.011833	0.453364	0.042606	0.042861
30 MIN	0.054812	0.949448	0.001825	0.019135	0.093184	0.076931	0.077135
60 MIN	0.106855	0.901452	0.003038	0.019951	0.008683	0.124598	0.125159
2 HR	0.020317	0.812616	0.005173	0.017959	0.000068	0.202921	0.475699
4 HR	0.036820	0.560345	0.008822	0.014595	0.000000	0.332915	0.475699
8 HR	0.051172	0.536055	0.014197	0.009638	0.000000	0.454102	0.475699
12 HR	0.077202	0.287946	0.017747	0.006834	0.000000	0.324997	0.326742
24 HR	0.059437	0.082913	0.022660	0.001833	0.000000	0.170017	0.170932
36 HR	0.058309	0.023875	0.024075	0.000528	0.000000	0.079909	0.080340
48 HR	0.076821	0.006875	0.024483	0.000152	0.000000	0.035445	0.035736
60 HR	0.082129	0.001980	0.024604	0.000044	0.000000	0.015311	0.015394
72 HR	0.083657	0.000570	0.024634	0.000013	0.000000	0.006464	0.006499
84 HR	0.084097	0.000164	0.024644	0.000001	0.000000	0.002694	0.002708
96 HR	0.084234	0.000047	0.024646	0.000000	0.000000	0.001113	0.001119
108 HR	0.084271	0.000004	0.024647	0.000000	0.000000	0.000457	0.000459
120 HR	0.084271	0.000001	0.024647	0.000000	0.000000	0.000187	0.000188
132 HR	0.084274	0.000001	0.024647	0.000000	0.000000	0.000187	0.000188

SATURATED IODINE 1.084275
SATURATED XENON 0.024647

SATURATED IODINE 1.090188
SATURATED XENON 0.024650

TIME HOURS	MW/KG		18.60		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000158	0.999856	0.000008	0.000144	0.993292
10 SEC	0.000316	0.999712	0.000016	0.000286	0.986620
30 SEC	0.000947	0.999136	0.000048	0.000847	0.960399
60 SEC	0.001894	0.998272	0.000095	0.001660	0.922361
2 MIN	0.003784	0.996548	0.000185	0.003188	0.850754
5 MIN	0.009435	0.991392	0.000435	0.007079	0.667589
10 MIN	0.018790	0.982857	0.000792	0.011745	0.445673
30 MIN	0.055408	0.949448	0.001838	0.018823	0.088522
60 MIN	0.108015	0.901452	0.003044	0.019538	0.007836
2 HR	0.205384	0.812616	0.005178	0.017765	0.000061
4 HR	0.372283	0.660345	0.008827	0.014437	0.000000
8 HR	0.618118	0.436055	0.014202	0.009534	0.000000
12 HR	0.780454	0.287946	0.017751	0.006296	0.000000
24 HR	1.005183	0.082913	0.022665	0.001813	0.
36 HR	1.069893	0.023875	0.024080	0.000522	0.
48 HR	1.088526	0.006875	0.024487	0.000150	0.
60 HR	1.093891	0.001980	0.024604	0.000043	0.
72 HR	1.095436	0.000570	0.024638	0.000012	0.
84 HR	1.095881	0.000164	0.024648	0.000004	0.
96 HR	1.096009	0.000047	0.024651	0.000001	0.
108 HR	1.096046	0.000014	0.024651	0.000000	0.
120 HR	1.096057	0.000004	0.024652	0.000000	0.
132 HR	1.096060	0.000001	0.024652	0.000000	0.

SATURATED IODINE 1.096061
SATURATED XENON 0.024652

TIME HOURS	MW/KG		18.70		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000159	0.999856	0.000008	0.000144	0.993257
10 SEC	0.000318	0.999712	0.000016	0.000286	0.986549
30 SEC	0.000952	0.999136	0.000048	0.000847	0.960193
60 SEC	0.001904	0.998272	0.000095	0.001659	0.921967
2 MIN	0.003804	0.996548	0.000186	0.003186	0.850027
5 MIN	0.009486	0.991392	0.000437	0.007072	0.666163
10 MIN	0.018891	0.982857	0.000795	0.011723	0.443770
30 MIN	0.055706	0.949448	0.001842	0.018746	0.087393
60 MIN	0.108595	0.901452	0.003047	0.019437	0.007638
2 HR	0.206489	0.812616	0.005181	0.017670	0.000058
4 HR	0.374285	0.660345	0.008830	0.014360	0.000000
8 HR	0.621441	0.436055	0.014204	0.009482	0.000000
12 HR	0.784650	0.287946	0.017754	0.006262	0.000000
24 HR	1.010587	0.082913	0.022667	0.001803	0.
36 HR	1.075645	0.023875	0.024082	0.000519	0.
48 HR	1.094378	0.006875	0.024489	0.000149	0.
60 HR	1.099772	0.001980	0.024606	0.000043	0.
72 HR	1.101326	0.000570	0.024640	0.000012	0.
84 HR	1.101773	0.000164	0.024650	0.000004	0.
96 HR	1.101902	0.000047	0.024653	0.000001	0.
108 HR	1.101939	0.000014	0.024653	0.000000	0.
120 HR	1.101949	0.000004	0.024654	0.000000	0.
132 HR	1.101952	0.000001	0.024654	0.000000	0.

SATURATED IODINE 1.101954
SATURATED XENON 0.024654

	MW/KG		18.80		
TIME	IODINE		XENON		SHUTDOWN
HOURS	A	B	C	D	TRANSIENT
	-----		-----		
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000160	0.999856	0.000008	0.000143	0.993221
10 SEC	0.000319	0.999712	0.000016	0.000286	0.986479
30 SEC	0.000957	0.999136	0.000048	0.000847	0.959988
60 SEC	0.001914	0.998272	0.000096	0.001659	0.921572
2 MIN	0.003825	0.996548	0.000187	0.003185	0.849300
5 MIN	0.009537	0.991392	0.000439	0.007065	0.664739
10 MIN	0.018992	0.982857	0.000798	0.011701	0.441876
30 MIN	0.056004	0.949448	0.001845	0.018670	0.086279
60 MIN	0.109176	0.901452	0.003050	0.019337	0.007444
2 HR	0.207593	0.812616	0.005184	0.017575	0.000055
4 HR	0.376286	0.660345	0.008832	0.014283	0.000000
8 HR	0.624765	0.436055	0.014207	0.009432	0.000000
12 HR	0.788846	0.287946	0.017756	0.006228	0.000000
24 HR	1.015991	0.082913	0.022669	0.001793	0.
36 HR	1.081397	0.023875	0.024084	0.000516	0.
48 HR	1.100231	0.006875	0.024491	0.000149	0.
60 HR	1.105653	0.001980	0.024608	0.000043	0.
72 HR	1.107215	0.000570	0.024642	0.000012	0.
84 HR	1.107665	0.000164	0.024652	0.000004	0.
96 HR	1.107794	0.000047	0.024655	0.000001	0.
108 HR	1.107831	0.000014	0.024655	0.000000	0.
120 HR	1.107842	0.000004	0.024656	0.000000	0.
132 HR	1.107845	0.000001	0.024656	0.000000	0.

SATURATED IODINE 1.107846
SATURATED XENON 0.024656

	MW/KG		18.90		
TIME	IODINE		XENON		SHUTDOWN
HOURS	A	B	C	D	TRANSIENT

0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000160	0.999856	0.000008	0.000143	0.993186
10 SEC	0.000321	0.999712	0.000016	0.000286	0.986409
30 SEC	0.000962	0.999136	0.000048	0.000847	0.959783
60 SEC	0.001924	0.998272	0.000096	0.001659	0.921178
2 MIN	0.003845	0.996548	0.000188	0.003184	0.848573
5 MIN	0.009587	0.991392	0.000441	0.007058	0.663319
10 MIN	0.019093	0.982857	0.000801	0.011680	0.439990
30 MIN	0.056301	0.949448	0.001848	0.018594	0.085179
60 MIN	0.109757	0.901452	0.003053	0.019238	0.007255
2 HR	0.208697	0.812616	0.005186	0.017482	0.000053
4 HR	0.378288	0.660345	0.008835	0.014207	0.000000
8 HR	0.628088	0.436055	0.014209	0.009381	0.000000
12 HR	0.793042	0.287946	0.017758	0.006195	0.000000
24 HR	1.021396	0.082913	0.022671	0.001784	0.
36 HR	1.087149	0.023875	0.024086	0.000514	0.
48 HR	1.106083	0.006875	0.024493	0.000148	0.
60 HR	1.111535	0.001980	0.024610	0.000043	0.
72 HR	1.113104	0.000570	0.024644	0.000012	0.
84 HR	1.113556	0.000164	0.024654	0.000004	0.
96 HR	1.113687	0.000047	0.024657	0.000001	0.
108 HR	1.113724	0.000014	0.024657	0.000000	0.
120 HR	1.113735	0.000004	0.024658	0.000000	0.
132 HR	1.113738	0.000001	0.024658	0.000000	0.

SATURATED IODINE 1.113739
SATURATED XENON 0.024658

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000161	1.000000	0.000008	0.000143	1.000000	0.024660
5 SEC	0.999856	0.999856	0.000016	0.999856	0.999856	0.024818
10 SEC	0.000323	0.999712	0.000049	0.000286	0.986338	0.024977
30 SEC	0.000968	0.999136	0.000047	0.000847	0.959577	0.025611
60 SEC	0.001934	0.998272	0.000097	0.001658	0.920784	0.026562
2 MIN	0.003865	0.996548	0.000189	0.003182	0.847848	0.028568
5 MIN	0.009638	0.991392	0.000443	0.007051	0.661902	0.034113
10 MIN	0.019194	0.982857	0.000803	0.011658	0.438112	0.039325
30 MIN	0.056599	0.949448	0.001851	0.018519	0.084093	0.079285
60 MIN	0.110307	0.901452	0.003055	0.019140	0.007072	0.129566
2 HR	0.009601	0.812616	0.005189	0.017389	0.000050	0.215466
4 HR	0.003829	0.660345	0.008837	0.014132	0.000000	0.343186
8 HR	0.001411	0.436055	0.014211	0.009332	0.000000	0.468476
12 HR	0.000738	0.287946	0.017760	0.006162	0.000000	0.488290
24 HR	0.000300	0.082913	0.022673	0.001774	0.000000	0.335465
36 HR	0.000161	0.023875	0.024698	0.000147	0.000000	0.175509
48 HR	0.000086	0.006875	0.024495	0.000042	0.000000	0.082494
60 HR	0.000049	0.001980	0.024612	0.000012	0.000000	0.036695
72 HR	0.000030	0.000570	0.024646	0.000004	0.000000	0.015607
84 HR	0.000016	0.000164	0.024659	0.000001	0.000000	0.006874
96 HR	0.000007	0.000047	0.024659	0.000000	0.000000	0.002781
108 HR	0.000004	0.000014	0.024659	0.000000	0.000000	0.001149
120 HR	0.000004	0.000004	0.024660	0.000000	0.000000	0.000472
132 HR	0.000001	0.000001	0.024660	0.000000	0.000000	0.000193

SATURATED IODINE
SATURATED XENON

1.119632
0.024660

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000163	1.000000	0.000008	0.000143	1.000000	0.024664
5 SEC	0.999856	0.999856	0.000016	0.999856	0.999856	0.024824
10 SEC	0.000326	0.999712	0.000049	0.000286	0.986198	0.024984
30 SEC	0.000978	0.999136	0.000047	0.000846	0.959577	0.025626
60 SEC	0.001955	0.998272	0.000098	0.001658	0.920784	0.026586
2 MIN	0.003906	0.996548	0.000191	0.003180	0.846358	0.028586
5 MIN	0.009740	0.991392	0.000446	0.007037	0.659977	0.034218
10 MIN	0.019396	0.982857	0.000809	0.011615	0.434380	0.039370
30 MIN	0.057195	0.949448	0.001858	0.018370	0.081362	0.079874
60 MIN	0.111499	0.901452	0.003061	0.018947	0.006718	0.130207
2 HR	0.005126	0.660345	0.005194	0.017207	0.000045	0.217164
4 HR	0.002492	0.436055	0.008842	0.013984	0.000000	0.346609
8 HR	0.001266	0.287946	0.014216	0.009234	0.000000	0.473627
12 HR	0.000630	0.082913	0.017765	0.006098	0.000000	0.493326
24 HR	0.000312	0.023875	0.022677	0.001756	0.000000	0.338954
36 HR	0.000164	0.006875	0.024499	0.000046	0.000000	0.177339
48 HR	0.000086	0.001980	0.024612	0.000012	0.000000	0.083355
60 HR	0.000049	0.000570	0.024646	0.000004	0.000000	0.037079
72 HR	0.000030	0.000164	0.024659	0.000001	0.000000	0.015972
84 HR	0.000016	0.000047	0.024659	0.000000	0.000000	0.006874
96 HR	0.000007	0.000014	0.024659	0.000000	0.000000	0.002781
108 HR	0.000004	0.000004	0.024660	0.000000	0.000000	0.001149
120 HR	0.000004	0.000004	0.024660	0.000000	0.000000	0.000472
132 HR	0.000001	0.000001	0.024664	0.000000	0.000000	0.000195

SATURATED IODINE
SATURATED XENON

1.131418
0.024664

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000164	1.000000	0.000008	0.000143	1.000000	0.024666
5 SEC	0.999856	0.999856	0.000016	0.999856	0.999856	0.024827
10 SEC	0.000328	0.999712	0.000049	0.000286	0.986127	0.024988
30 SEC	0.000983	0.999136	0.000047	0.000846	0.959577	0.025633
60 SEC	0.001965	0.998272	0.000098	0.001658	0.920784	0.026598
2 MIN	0.003920	0.996548	0.000191	0.003180	0.846358	0.028625
5 MIN	0.009790	0.991392	0.000446	0.007037	0.659977	0.034271
10 MIN	0.019497	0.982857	0.000809	0.011615	0.434380	0.039332
30 MIN	0.057493	0.949448	0.001861	0.018370	0.081362	0.079874
60 MIN	0.112080	0.901452	0.003063	0.018947	0.006718	0.130207
2 HR	0.005196	0.660345	0.005196	0.017118	0.000045	0.218538
4 HR	0.002492	0.436055	0.008845	0.013911	0.000000	0.348321
8 HR	0.001266	0.287946	0.014218	0.009186	0.000000	0.475663
12 HR	0.000630	0.082913	0.017769	0.006066	0.000000	0.495499
24 HR	0.000312	0.023875	0.022679	0.001767	0.000000	0.340699
36 HR	0.000164	0.006875	0.024499	0.000046	0.000000	0.178554
48 HR	0.000086	0.001980	0.024612	0.000012	0.000000	0.083186
60 HR	0.000049	0.000570	0.024646	0.000004	0.000000	0.037770
72 HR	0.000030	0.000164	0.024659	0.000001	0.000000	0.016055
84 HR	0.000016	0.000047	0.024659	0.000000	0.000000	0.006179
96 HR	0.000007	0.000014	0.024659	0.000000	0.000000	0.002825
108 HR	0.000004	0.000004	0.024660	0.000000	0.000000	0.001167
120 HR	0.000004	0.000004	0.024660	0.000000	0.000000	0.000479
132 HR	0.000001	0.000001	0.024666	0.000000	0.000000	0.000196

SATURATED IODINE
SATURATED XENON

1.137310
0.024666

TIME HOURS	MW/KG		19.40		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000165	0.999856	0.000008	0.000143	0.993009
10 SEC	0.000329	0.999712	0.000017	0.000286	0.986057
30 SEC	0.000988	0.999136	0.000050	0.000846	0.958757
60 SEC	0.001975	0.998272	0.000099	0.001657	0.919210
2 MIN	0.003947	0.996548	0.000193	0.003177	0.844951
5 MIN	0.009841	0.991392	0.000450	0.007023	0.656264
10 MIN	0.019598	0.982857	0.000815	0.011572	0.430680
30 MIN	0.057791	0.949448	0.001864	0.018223	0.079885
60 MIN	0.112660	0.901452	0.003066	0.018758	0.006382
2 HR	0.214218	0.812616	0.005199	0.017029	0.000041
4 HR	0.388295	0.660345	0.008847	0.013839	0.000000
8 HR	0.644704	0.436055	0.014220	0.009138	0.000000
12 HR	0.814022	0.287946	0.017769	0.006034	0.000000
24 HR	1.048417	0.082913	0.022681	0.001738	0.
36 HR	1.115910	0.023875	0.024095	0.000500	0.
48 HR	1.135344	0.006875	0.024503	0.000144	0.
60 HR	1.140940	0.001980	0.024620	0.000041	0.
72 HR	1.142552	0.000570	0.024654	0.000012	0.
84 HR	1.143016	0.000164	0.024664	0.000003	0.
96 HR	1.143149	0.000047	0.024666	0.000001	0.
108 HR	1.143188	0.000014	0.024667	0.000000	0.
120 HR	1.143199	0.000004	0.024667	0.000000	0.
132 HR	1.143202	0.000001	0.024667	0.000000	0.

SATURATED IODINE 1.143203
SATURATED XENON 0.024667

TIME HOURS	MW/KG		19.50		SHUTDOWN TRANSIENT	
	IODINE A	XENON B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024669
5 SEC	0.000165	0.999856	0.000008	0.000143	0.992974	0.024832
10 SEC	0.000331	0.999712	0.000017	0.000286	0.985987	0.024995
30 SEC	0.000993	0.999136	0.000050	0.000846	0.958552	0.025647
60 SEC	0.001985	0.998272	0.000099	0.001657	0.918817	0.026622
2 MIN	0.003967	0.996548	0.000194	0.003176	0.844229	0.028569
5 MIN	0.009892	0.991392	0.000452	0.007016	0.654862	0.034376
10 MIN	0.019699	0.982857	0.000817	0.011551	0.428841	0.043937
30 MIN	0.058089	0.949448	0.001867	0.018151	0.078866	0.080757
60 MIN	0.113241	0.901452	0.003069	0.018664	0.006220	0.131889
2 HR	0.215322	0.812616	0.005201	0.016941	0.000039	0.220586
4 HR	0.390297	0.660345	0.008849	0.013767	0.000000	0.351744
8 HR	0.648027	0.436055	0.014223	0.009091	0.000000	0.480454
12 HR	0.818218	0.287946	0.017771	0.006003	0.000000	0.500881
24 HR	1.053821	0.082913	0.022683	0.001729	0.	0.344188
36 HR	1.121662	0.023875	0.024097	0.000498	0.	0.180085
48 HR	1.141197	0.006875	0.024505	0.000143	0.	0.084647
60 HR	1.146821	0.001980	0.024622	0.000041	0.	0.037654
72 HR	1.148441	0.000570	0.024656	0.000012	0.	0.016220
84 HR	1.148907	0.000164	0.024665	0.000003	0.	0.006848
96 HR	1.149042	0.000047	0.024668	0.000001	0.	0.002854
108 HR	1.149080	0.000014	0.024669	0.000000	0.	0.001179
120 HR	1.149092	0.000004	0.024669	0.000000	0.	0.000484
132 HR	1.149095	0.000001	0.024669	0.000000	0.	0.000198

SATURATED IODINE 1.149096
SATURATED XENON 0.024669

TIME HOURS	MW/KG		19.60		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024671
5 SEC	0.000166	0.999856	0.000008	0.000143	0.992938	0.024835
10 SEC	0.000333	0.999712	0.000017	0.000286	0.985917	0.024999
30 SEC	0.000998	0.999136	0.000050	0.000846	0.958347	0.025653
60 SEC	0.001995	0.998272	0.000100	0.001656	0.918424	0.026634
2 MIN	0.003987	0.996548	0.000195	0.003174	0.843507	0.028592
5 MIN	0.009943	0.991392	0.000454	0.007009	0.653462	0.034428
10 MIN	0.019800	0.982857	0.000820	0.011529	0.427011	0.044039
30 MIN	0.058387	0.949448	0.001870	0.018078	0.077861	0.081051
60 MIN	0.113822	0.901452	0.003071	0.018572	0.006062	0.132450
2 HR	0.216427	0.812616	0.005204	0.016854	0.000037	0.221610
4 HR	0.392298	0.660345	0.008852	0.013697	0.000000	0.353455
8 HR	0.651350	0.436055	0.014225	0.009045	0.000000	0.482850
12 HR	0.822414	0.287946	0.017773	0.005973	0.000000	0.503399
24 HR	1.059225	0.082913	0.022685	0.001720	0.	0.345933
36 HR	1.127414	0.023875	0.024099	0.000495	0.	0.181000
48 HR	1.147049	0.006875	0.024507	0.000143	0.	0.085078
60 HR	1.152703	0.001980	0.024624	0.000041	0.	0.037845
72 HR	1.154331	0.000570	0.024658	0.000012	0.	0.016303
84 HR	1.154799	0.000164	0.024667	0.000003	0.	0.006883
96 HR	1.154934	0.000047	0.024670	0.000001	0.	0.002868
108 HR	1.154973	0.000014	0.024671	0.000000	0.	0.001185
120 HR	1.154984	0.000004	0.024671	0.000000	0.	0.000487
132 HR	1.154988	0.000001	0.024671	0.000000	0.	0.000199

SATURATED IODINE 1.154989
SATURATED XENON 0.024671

TIME HOURS	MW/KG		19.70		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024673
5 SEC	0.000167	0.999856	0.000009	0.000143	0.992903	0.024838
10 SEC	0.000335	0.999712	0.000017	0.000286	0.985846	0.025002
30 SEC	0.001003	0.999136	0.000051	0.000846	0.958142	0.025660
60 SEC	0.002006	0.998272	0.000100	0.001656	0.918031	0.026646
2 MIN	0.004008	0.996548	0.000195	0.003173	0.842786	0.028614
5 MIN	0.009993	0.991392	0.000456	0.007002	0.652066	0.034481
10 MIN	0.019901	0.982857	0.000823	0.011508	0.425188	0.044141
30 MIN	0.058685	0.949448	0.001873	0.018006	0.076868	0.081345
60 MIN	0.114402	0.901452	0.003074	0.018480	0.005909	0.133011
2 HR	0.217531	0.812616	0.005206	0.016768	0.000035	0.222634
4 HR	0.394300	0.660345	0.008854	0.013627	0.000000	0.355167
8 HR	0.654674	0.436055	0.014227	0.008998	0.000000	0.485246
12 HR	0.826610	0.287946	0.017775	0.005942	0.000000	0.505917
24 HR	1.064629	0.082913	0.022687	0.001711	0.	0.347678
36 HR	1.133166	0.023875	0.024101	0.000493	0.	0.181915
48 HR	1.152901	0.006875	0.024508	0.000142	0.	0.085509
60 HR	1.158584	0.001980	0.024626	0.000041	0.	0.038037
72 HR	1.160220	0.000570	0.024659	0.000012	0.	0.016385
84 HR	1.160691	0.000164	0.024669	0.000003	0.	0.006918
96 HR	1.160827	0.000047	0.024672	0.000001	0.	0.002883
108 HR	1.160866	0.000014	0.024673	0.000000	0.	0.001191
120 HR	1.160877	0.000004	0.024673	0.000000	0.	0.000489
132 HR	1.160880	0.000001	0.024673	0.000000	0.	0.000200

SATURATED IODINE 1.160882
SATURATED XENON 0.024673

TIME HOURS	IODINE		MW/KG	19.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024675
5 SEC	0.000168	0.999856	0.000009	0.000143	0.992868	0.024840
10 SEC	0.000336	0.999712	0.000017	0.000286	0.985776	0.025006
30 SEC	0.001008	0.999136	0.000051	0.000846	0.957937	0.025667
60 SEC	0.002016	0.998272	0.000101	0.001655	0.917639	0.026658
2 MIN	0.004028	0.996548	0.000196	0.003172	0.842065	0.028636
5 MIN	0.010044	0.991392	0.000458	0.006995	0.650673	0.034533
10 MIN	0.020002	0.982857	0.000826	0.011487	0.423374	0.044243
30 MIN	0.058982	0.949448	0.001876	0.017935	0.075888	0.081639
60 MIN	0.114983	0.901452	0.003076	0.018390	0.005759	0.133571
2 HR	0.218635	0.812616	0.005209	0.016683	0.000033	0.223658
4 HR	0.396301	0.660345	0.008856	0.013558	0.000000	0.356879
8 HR	0.657997	0.436055	0.014229	0.008953	0.000000	0.487641
12 HR	0.830806	0.287946	0.017777	0.005912	0.000000	0.508435
24 HR	1.070034	0.082913	0.022689	0.001702	0.	0.349422
36 HR	1.138918	0.023875	0.024103	0.000490	0.	0.182830
48 HR	1.158753	0.006875	0.024510	0.000141	0.	0.085940
60 HR	1.164465	0.001980	0.024627	0.000041	0.	0.038229
72 HR	1.166109	0.000570	0.024661	0.000012	0.	0.016468
84 HR	1.166583	0.000164	0.024671	0.000003	0.	0.006953
96 HR	1.166719	0.000047	0.024674	0.000001	0.	0.002898
108 HR	1.166759	0.000014	0.024675	0.000000	0.	0.001197
120 HR	1.166770	0.000004	0.024675	0.000000	0.	0.000491
132 HR	1.166773	0.000001	0.024675	0.000000	0.	0.000201

SATURATED IODINE 1.166774
SATURATED XENON 0.024675

TIME HOURS	IODINE		MW/KG	19.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024677
5 SEC	0.000169	0.999856	0.000009	0.000143	0.992832	0.024843
10 SEC	0.000338	0.999712	0.000017	0.000286	0.985706	0.025009
30 SEC	0.001013	0.999136	0.000051	0.000846	0.957732	0.025674
60 SEC	0.002026	0.998272	0.000101	0.001655	0.917246	0.026670
2 MIN	0.004048	0.996548	0.000197	0.003170	0.841345	0.028658
5 MIN	0.010095	0.991392	0.000460	0.006988	0.649283	0.034585
10 MIN	0.020103	0.982857	0.000828	0.011466	0.421566	0.044346
30 MIN	0.059280	0.949448	0.001879	0.017864	0.074920	0.081933
60 MIN	0.115564	0.901452	0.003079	0.018300	0.005613	0.134132
2 HR	0.219739	0.812616	0.005211	0.016599	0.000032	0.224682
4 HR	0.398303	0.660345	0.008859	0.013489	0.000000	0.358590
8 HR	0.661320	0.436055	0.014231	0.008907	0.000000	0.490037
12 HR	0.835002	0.287946	0.017779	0.005882	0.000000	0.510953
24 HR	1.075438	0.082913	0.022691	0.001694	0.	0.351167
36 HR	1.144670	0.023875	0.024105	0.000488	0.	0.183746
48 HR	1.164606	0.006875	0.024512	0.000140	0.	0.086370
60 HR	1.170346	0.001980	0.024629	0.000040	0.	0.038421
72 HR	1.171999	0.000570	0.024663	0.000012	0.	0.016551
84 HR	1.172475	0.000164	0.024673	0.000003	0.	0.006988
96 HR	1.172612	0.000047	0.024676	0.000001	0.	0.002912
108 HR	1.172651	0.000014	0.024676	0.000000	0.	0.001203
120 HR	1.172663	0.000004	0.024677	0.000000	0.	0.000494
132 HR	1.172666	0.000001	0.024677	0.000000	0.	0.000202

SATURATED IODINE 1.172667
SATURATED XENON 0.024677

TIME HOURS	IODINE		MW/KG	20.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024678
5 SEC	0.000170	0.999856	0.000009	0.000143	0.992797	0.024846
10 SEC	0.000340	0.999712	0.000017	0.000286	0.985635	0.025013
30 SEC	0.001018	0.999136	0.000051	0.000846	0.957527	0.025681
60 SEC	0.002036	0.998272	0.000102	0.001655	0.916854	0.026682
2 MIN	0.004069	0.996548	0.000198	0.003169	0.840626	0.028680
5 MIN	0.010145	0.991392	0.000461	0.006981	0.647896	0.034638
10 MIN	0.020204	0.982857	0.000831	0.011445	0.419767	0.044448
30 MIN	0.059578	0.949448	0.001882	0.017794	0.073965	0.082227
60 MIN	0.116145	0.901452	0.003081	0.018210	0.005471	0.134693
2 HR	0.220843	0.812616	0.005213	0.016515	0.000030	0.225706
4 HR	0.400304	0.660345	0.008861	0.013421	0.000000	0.360302
8 HR	0.664643	0.436055	0.014233	0.008863	0.000000	0.492433
12 HR	0.839198	0.287946	0.017781	0.005852	0.000000	0.513472
24 HR	1.080842	0.082913	0.022692	0.001685	0.	0.352911
36 HR	1.150422	0.023875	0.024107	0.000485	0.	0.184661
48 HR	1.170458	0.006875	0.024514	0.000140	0.	0.086801
60 HR	1.176227	0.001980	0.024631	0.000040	0.	0.038612
72 HR	1.177888	0.000570	0.024665	0.000012	0.	0.016633
84 HR	1.178367	0.000164	0.024675	0.000003	0.	0.007023
96 HR	1.178504	0.000047	0.024677	0.000001	0.	0.002927
108 HR	1.178544	0.000014	0.024678	0.000000	0.	0.001209
120 HR	1.178555	0.000004	0.024678	0.000000	0.	0.000496
132 HR	1.178559	0.000001	0.024678	0.000000	0.	0.000203

SATURATED IODINE 1.178560
SATURATED XENON 0.024678

TIME HOURS	IODINE		MW/KG	20.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024680
5 SEC	0.000171	0.999856	0.000009	0.000143	0.992762	0.024848
10 SEC	0.000341	0.999712	0.000017	0.000286	0.985565	0.025016
30 SEC	0.001024	0.999136	0.000052	0.000846	0.957323	0.025688
60 SEC	0.002046	0.998272	0.000102	0.001654	0.916462	0.026694
2 MIN	0.004089	0.996548	0.000199	0.003168	0.839907	0.028702
5 MIN	0.010196	0.991392	0.000463	0.006974	0.646512	0.034690
10 MIN	0.020305	0.982857	0.000834	0.011424	0.417975	0.044550
30 MIN	0.059876	0.949448	0.001885	0.017724	0.073022	0.082521
60 MIN	0.116725	0.901452	0.003084	0.018122	0.005332	0.135263
2 HR	0.221948	0.812616	0.005216	0.016433	0.000028	0.226730
4 HR	0.402306	0.660345	0.008863	0.013354	0.000000	0.362013
8 HR	0.667966	0.436055	0.014235	0.008818	0.000000	0.494828
12 HR	0.843394	0.287946	0.017783	0.005823	0.000000	0.515990
24 HR	1.086246	0.082913	0.022694	0.001677	0.	0.354656
36 HR	1.156175	0.023875	0.024108	0.000483	0.	0.185576
48 HR	1.176310	0.006875	0.024516	0.000139	0.	0.087232
60 HR	1.182108	0.001980	0.024633	0.000040	0.	0.038804
72 HR	1.183778	0.000570	0.024667	0.000012	0.	0.016716
84 HR	1.184258	0.000164	0.024676	0.000003	0.	0.007058
96 HR	1.184397	0.000047	0.024679	0.000001	0.	0.002941
108 HR	1.184437	0.000014	0.024680	0.000000	0.	0.001215
120 HR	1.184448	0.000004	0.024680	0.000000	0.	0.000499
132 HR	1.184452	0.000001	0.024680	0.000000	0.	0.000204

SATURATED IODINE 1.184453
SATURATED XENON 0.024680

TIME HOURS	MW/KG		20.20		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000171	0.999856	0.000009	0.000143	0.992726
10 SEC	0.000343	0.999712	0.000017	0.000286	0.985495
30 SEC	0.001029	0.999136	0.000052	0.000845	0.957118
60 SEC	0.002057	0.998272	0.000103	0.001654	0.916070
2 MIN	0.004109	0.996548	0.000200	0.003166	0.839188
5 MIN	0.010247	0.991392	0.000465	0.006968	0.645131
10 MIN	0.020406	0.982857	0.000837	0.011403	0.416191
30 MIN	0.060174	0.949448	0.001888	0.017654	0.072091
60 MIN	0.117306	0.901452	0.003086	0.018035	0.005197
2 HR	0.2223052	0.812616	0.005218	0.016351	0.000027
4 HR	0.404307	0.660345	0.008865	0.013288	0.363725
8 HR	0.671290	0.436055	0.014237	0.008774	0.000000
12 HR	0.847590	0.287946	0.017785	0.005794	0.000000
24 HR	1.091650	0.082913	0.022696	0.001668	0.
36 HR	1.161927	0.023875	0.024110	0.000480	0.
48 HR	1.182163	0.006875	0.024517	0.000138	0.
60 HR	1.187989	0.001980	0.024635	0.000040	0.
72 HR	1.189667	0.000570	0.024668	0.000011	0.
84 HR	1.190150	0.000164	0.024678	0.000003	0.
96 HR	1.190289	0.000047	0.024681	0.000001	0.
108 HR	1.190329	0.000014	0.024682	0.000000	0.
120 HR	1.190341	0.000004	0.024682	0.000000	0.
132 HR	1.190344	0.000001	0.024682	0.000000	0.

SATURATED IODINE 1.190346
SATURATED XENON 0.024682

TIME HOURS	MW/KG		20.30		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000172	0.999856	0.000009	0.000143	0.992691
10 SEC	0.000345	0.999712	0.000018	0.000286	0.985425
30 SEC	0.001034	0.999136	0.000052	0.000845	0.956913
60 SEC	0.002067	0.998272	0.000103	0.001654	0.915678
2 MIN	0.004130	0.996548	0.000201	0.003165	0.838471
5 MIN	0.010298	0.991392	0.000467	0.006961	0.643752
10 MIN	0.020507	0.982857	0.000839	0.011382	0.414415
30 MIN	0.060472	0.949448	0.001891	0.017585	0.071172
60 MIN	0.117887	0.901452	0.003089	0.017948	0.005065
2 HR	0.224156	0.812616	0.005220	0.016270	0.000026
4 HR	0.406309	0.660345	0.008867	0.013222	0.000000
8 HR	0.674613	0.436055	0.014239	0.008731	0.000000
12 HR	0.851786	0.287946	0.017787	0.005765	0.000000
24 HR	1.097055	0.082913	0.022698	0.001660	0.
36 HR	1.167679	0.023875	0.024112	0.000478	0.
48 HR	1.188015	0.006875	0.024519	0.000138	0.
60 HR	1.193870	0.001980	0.024636	0.000040	0.
72 HR	1.195557	0.000570	0.024670	0.000011	0.
84 HR	1.196042	0.000164	0.024680	0.000003	0.
96 HR	1.196182	0.000047	0.024683	0.000001	0.
108 HR	1.196222	0.000014	0.024683	0.000000	0.
120 HR	1.196234	0.000004	0.024684	0.000000	0.
132 HR	1.196237	0.000001	0.024684	0.000000	0.

SATURATED IODINE 1.196238
SATURATED XENON 0.024684

TIME HOURS	MW/KG		20.40		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000173	0.999856	0.000009	0.000143	0.992655
10 SEC	0.000346	0.999712	0.000018	0.000286	0.985354
30 SEC	0.001039	0.999136	0.000052	0.000845	0.956709
60 SEC	0.002077	0.998272	0.000104	0.001653	0.915287
2 MIN	0.004150	0.996548	0.000202	0.003164	0.837754
5 MIN	0.010348	0.991392	0.000469	0.006954	0.642377
10 MIN	0.020608	0.982857	0.000842	0.011361	0.412646
30 MIN	0.060770	0.949448	0.001894	0.017517	0.070264
60 MIN	0.118468	0.901452	0.003091	0.017862	0.004937
2 HR	0.2225280	0.812616	0.005222	0.016190	0.000024
4 HR	0.408310	0.660345	0.008869	0.013157	0.000000
8 HR	0.677936	0.436055	0.014241	0.008688	0.000000
12 HR	0.855982	0.287946	0.017789	0.005737	0.000000
24 HR	1.102459	0.082913	0.022700	0.001852	0.
36 HR	1.173431	0.023875	0.024114	0.000476	0.
48 HR	1.193867	0.006875	0.024521	0.000137	0.
60 HR	1.199752	0.001980	0.024638	0.000039	0.
72 HR	1.201446	0.000570	0.024672	0.000011	0.
84 HR	1.201934	0.000164	0.024682	0.000003	0.
96 HR	1.202074	0.000047	0.024684	0.000001	0.
108 HR	1.202115	0.000014	0.024685	0.000000	0.
120 HR	1.202127	0.000004	0.024685	0.000000	0.
132 HR	1.202130	0.000001	0.024685	0.000000	0.

SATURATED IODINE 1.202131
SATURATED XENON 0.024685

TIME HOURS	MW/KG		20.50		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000174	0.999856	0.000009	0.000143	0.992620
10 SEC	0.000348	0.999712	0.000018	0.000286	0.985284
30 SEC	0.001044	0.999136	0.000053	0.000845	0.956504
60 SEC	0.002087	0.998272	0.000104	0.001653	0.914895
2 MIN	0.004170	0.996548	0.000203	0.003162	0.837037
5 MIN	0.010399	0.991392	0.000471	0.006947	0.641004
10 MIN	0.020709	0.982857	0.000845	0.011340	0.410885
30 MIN	0.061088	0.949448	0.001896	0.017449	0.069368
60 MIN	0.119048	0.901452	0.003093	0.017777	0.004812
2 HR	0.226365	0.812616	0.005225	0.016111	0.000023
4 HR	0.410312	0.660345	0.008872	0.013092	0.000000
8 HR	0.681259	0.436055	0.014243	0.008645	0.000000
12 HR	0.850178	0.287946	0.017791	0.005709	0.000000
24 HR	1.107883	0.082913	0.022701	0.001644	0.
36 HR	1.179183	0.023875	0.024115	0.000473	0.
48 HR	1.199719	0.006875	0.024523	0.000136	0.
60 HR	1.205633	0.001980	0.024640	0.000039	0.
72 HR	1.207336	0.000570	0.024674	0.000011	0.
84 HR	1.207826	0.000164	0.024683	0.000003	0.
96 HR	1.207987	0.000047	0.024686	0.000001	0.
108 HR	1.208008	0.000014	0.024687	0.000000	0.
120 HR	1.208019	0.000004	0.024687	0.000000	0.
132 HR	1.208023	0.000001	0.024687	0.000000	0.

SATURATED IODINE 1.208024
SATURATED XENON 0.024687

TIME HOURS	IODINE		MW/KG	20.60 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024689
5 SEC	0.000175	0.999856	0.000009	0.000143	0.992585	0.024861
10 SEC	0.000350	0.999712	0.000018	0.000286	0.985214	0.025033
30 SEC	0.001049	0.999136	0.000053	0.000845	0.956299	0.025722
60 SEC	0.002097	0.998272	0.000105	0.001653	0.914504	0.026754
2 MIN	0.004191	0.996548	0.000204	0.003161	0.836322	0.028812
5 MIN	0.010450	0.991392	0.000472	0.006940	0.639635	0.034951
10 MIN	0.020810	0.982857	0.000847	0.011319	0.409131	0.045060
30 MIN	0.061366	0.949448	0.001899	0.017381	0.068484	0.083991
60 MIN	0.119629	0.901452	0.003096	0.017693	0.004690	0.138057
2 HR	0.227469	0.812616	0.005227	0.016032	0.000022	0.231849
4 HR	0.412314	0.660345	0.008874	0.013028	0.000000	0.370571
8 HR	0.684583	0.436055	0.014245	0.008603	0.000000	0.506806
12 HR	0.864374	0.287946	0.017793	0.005681	0.000000	0.528580
24 HR	1.113267	0.082913	0.022703	0.001636	0.	0.363379
36 HR	1.184935	0.023875	0.024117	0.000471	0.	0.190152
48 HR	1.205572	0.006875	0.024524	0.000136	0.	0.089386
60 HR	1.211514	0.001980	0.024641	0.000039	0.	0.039763
72 HR	1.213225	0.000570	0.024675	0.000011	0.	0.017129
84 HR	1.213718	0.000164	0.024685	0.000003	0.	0.007232
96 HR	1.213859	0.000047	0.024688	0.000001	0.	0.003014
108 HR	1.213900	0.000014	0.024689	0.000000	0.	0.001245
120 HR	1.213912	0.000004	0.024689	0.000000	0.	0.000511
132 HR	1.213915	0.000001	0.024689	0.000000	0.	0.000209

SATURATED IODINE 1.213917
SATURATED XENON 0.024689

TIME HOURS	IODINE		MW/KG	20.70 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024691
5 SEC	0.000176	0.999856	0.000009	0.000143	0.992549	0.024864
10 SEC	0.000351	0.999712	0.000018	0.000286	0.985144	0.025037
30 SEC	0.001054	0.999136	0.000053	0.000845	0.956095	0.025729
60 SEC	0.002107	0.998272	0.000105	0.001652	0.914113	0.026766
2 MIN	0.004211	0.996548	0.000205	0.003160	0.835607	0.028834
5 MIN	0.010501	0.991392	0.000474	0.006933	0.638268	0.035004
10 MIN	0.020911	0.982857	0.000850	0.011299	0.407384	0.045162
30 MIN	0.061663	0.949448	0.001902	0.017314	0.067611	0.084285
60 MIN	0.120210	0.901452	0.003098	0.017609	0.004571	0.138617
2 HR	0.228573	0.812616	0.005229	0.015954	0.000021	0.232873
4 HR	0.414315	0.660345	0.008876	0.012965	0.000000	0.372282
8 HR	0.687906	0.436055	0.014247	0.008561	0.000000	0.509202
12 HR	0.868570	0.287946	0.017794	0.005653	0.000000	0.531098
24 HR	1.118671	0.082913	0.022705	0.001628	0.	0.365124
36 HR	1.190687	0.023875	0.024119	0.000469	0.	0.191088
48 HR	1.211424	0.006875	0.024526	0.000135	0.	0.089816
60 HR	1.217395	0.001980	0.024643	0.000039	0.	0.039955
72 HR	1.219114	0.000570	0.024677	0.000011	0.	0.017212
84 HR	1.219609	0.000164	0.024687	0.000003	0.	0.007267
96 HR	1.219752	0.000047	0.024689	0.000001	0.	0.003028
108 HR	1.219793	0.000014	0.024690	0.000000	0.	0.001251
120 HR	1.219805	0.000004	0.024690	0.000000	0.	0.000514
132 HR	1.219808	0.000001	0.024691	0.000000	0.	0.000210

SATURATED IODINE 1.219810
SATURATED XENON 0.024691

TIME HOURS	IODINE		MW/KG	20.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024692
5 SEC	0.000176	0.999856	0.000009	0.000143	0.992514	0.024866
10 SEC	0.000353	0.999712	0.000018	0.000286	0.985073	0.025040
30 SEC	0.001059	0.999136	0.000053	0.000845	0.955891	0.025736
60 SEC	0.002118	0.998272	0.000106	0.001652	0.913722	0.026778
2 MIN	0.004231	0.996548	0.000205	0.003159	0.834892	0.028856
5 MIN	0.010551	0.991392	0.000476	0.006926	0.636905	0.035056
10 MIN	0.021012	0.982857	0.000852	0.011278	0.405646	0.045264
30 MIN	0.061961	0.949448	0.001905	0.017247	0.066749	0.084579
60 MIN	0.120790	0.901452	0.003100	0.017526	0.004455	0.139178
2 HR	0.229677	0.812616	0.005231	0.015877	0.000020	0.233897
4 HR	0.416317	0.660345	0.008878	0.012902	0.000000	0.373994
8 HR	0.691229	0.436055	0.014249	0.008520	0.000000	0.511597
12 HR	0.872766	0.287946	0.017796	0.005626	0.000000	0.533616
24 HR	1.124076	0.082913	0.022707	0.001620	0.	0.366888
36 HR	1.196439	0.023875	0.024120	0.000466	0.	0.191983
48 HR	1.217278	0.006875	0.024528	0.000134	0.	0.090247
60 HR	1.223276	0.001980	0.024645	0.000039	0.	0.040146
72 HR	1.225004	0.000570	0.024679	0.000011	0.	0.017294
84 HR	1.225501	0.000164	0.024688	0.000003	0.	0.007302
96 HR	1.225645	0.000047	0.024691	0.000001	0.	0.003043
108 HR	1.225686	0.000014	0.024692	0.000000	0.	0.001257
120 HR	1.225698	0.000004	0.024692	0.000000	0.	0.000516
132 HR	1.225701	0.000001	0.024692	0.000000	0.	0.000211

SATURATED IODINE 1.225702
SATURATED XENON 0.024692

TIME HOURS	IODINE		MW/KG	20.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024694
5 SEC	0.000177	0.999856	0.000009	0.000143	0.992479	0.024869
10 SEC	0.000355	0.999712	0.000018	0.000286	0.985003	0.025044
30 SEC	0.001064	0.999136	0.000054	0.000845	0.955686	0.025742
60 SEC	0.002128	0.998272	0.000106	0.001652	0.913331	0.026789
2 MIN	0.004252	0.996548	0.000206	0.003157	0.834178	0.028878
5 MIN	0.010602	0.991392	0.000478	0.006919	0.635544	0.035108
10 MIN	0.021113	0.982857	0.000855	0.011257	0.403914	0.045366
30 MIN	0.062259	0.949448	0.001907	0.017180	0.065898	0.084872
60 MIN	0.121371	0.901452	0.003103	0.017444	0.004342	0.139738
2 HR	0.230781	0.812616	0.005233	0.015801	0.000019	0.234921
4 HR	0.418318	0.660345	0.008880	0.012840	0.000000	0.375705
8 HR	0.694552	0.436055	0.014251	0.008479	0.000000	0.513993
12 HR	0.876962	0.287946	0.017798	0.005599	0.000000	0.536134
24 HR	1.129480	0.082913	0.022708	0.001612	0.	0.368613
36 HR	1.202191	0.023875	0.024122	0.000464	0.	0.192898
48 HR	1.223129	0.006875	0.024529	0.000134	0.	0.090678
60 HR	1.229157	0.001980	0.024646	0.000038	0.	0.040338
72 HR	1.230893	0.000570	0.024680	0.000011	0.	0.017377
84 HR	1.231393	0.000164	0.024690	0.000003	0.	0.007337
96 HR	1.231537	0.000047	0.024693	0.000001	0.	0.003058
108 HR	1.231578	0.000014	0.024694	0.000000	0.	0.001263
120 HR	1.231590	0.000004	0.024694	0.000000	0.	0.000519
132 HR	1.231594	0.000001	0.024694	0.000000	0.	0.000212

SATURATED IODINE 1.231595
SATURATED XENON 0.024694

TIME HOURS	IODINE		MW/KG	21.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024695
5 SEC	0.000178	0.999856	0.000009	0.000143	0.992443	0.024871
10 SEC	0.000357	0.999712	0.000018	0.000286	0.984933	0.025047
30 SEC	0.001069	0.999136	0.000054	0.000845	0.955482	0.025749
60 SEC	0.002138	0.998272	0.000106	0.001651	0.912940	0.026801
2 MIN	0.004272	0.996548	0.000207	0.003156	0.833465	0.028900
5 MIN	0.010653	0.991392	0.000480	0.006912	0.634186	0.035160
10 MIN	0.021214	0.982857	0.000858	0.011237	0.402190	0.045468
30 MIN	0.062557	0.949448	0.001910	0.017114	0.065057	0.085166
60 MIN	0.121952	0.901452	0.003105	0.017363	0.004232	0.140299
2 HR	0.231886	0.812616	0.005235	0.015725	0.000018	0.235945
4 HR	0.420320	0.660345	0.008882	0.012779	0.000000	0.377416
8 HR	0.697875	0.436055	0.014253	0.008438	0.000000	0.516388
12 HR	0.881158	0.287946	0.017800	0.005572	0.000000	0.538652
24 HR	1.134884	0.082913	0.022710	0.001604	0.	0.370357
36 HR	1.207944	0.023875	0.024124	0.000462	0.	0.193813
48 HR	1.228981	0.006875	0.024531	0.000133	0.	0.091108
60 HR	1.235038	0.001980	0.024648	0.000038	0.	0.040530
72 HR	1.236783	0.000570	0.024682	0.000011	0.	0.017460
84 HR	1.237285	0.000164	0.024692	0.000003	0.	0.007372
96 HR	1.237430	0.000047	0.024694	0.000001	0.	0.003072
108 HR	1.237471	0.000014	0.024695	0.000000	0.	0.001269
120 HR	1.237483	0.000004	0.024695	0.000000	0.	0.000521
132 HR	1.237487	0.000001	0.024695	0.000000	0.	0.000213

SATURATED IODINE 1.237488
SATURATED XENON 0.024695

TIME HOURS	IODINE		MW/KG	21.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024697
5 SEC	0.000179	0.999856	0.000009	0.000143	0.992408	0.024874
10 SEC	0.000358	0.999712	0.000018	0.000286	0.984863	0.025050
30 SEC	0.001074	0.999136	0.000054	0.000845	0.955277	0.025756
60 SEC	0.002148	0.998272	0.000107	0.001651	0.912550	0.026813
2 MIN	0.004292	0.996548	0.000208	0.003155	0.832752	0.028922
5 MIN	0.010703	0.991392	0.000482	0.006906	0.632831	0.035212
10 MIN	0.021315	0.982857	0.000860	0.011216	0.400473	0.045570
30 MIN	0.062855	0.949448	0.001913	0.017049	0.064228	0.085460
60 MIN	0.122533	0.901452	0.003107	0.017282	0.004125	0.140859
2 HR	0.232990	0.812616	0.005238	0.015650	0.000017	0.236968
4 HR	0.422321	0.660345	0.008884	0.012718	0.000000	0.379128
8 HR	0.701199	0.436055	0.014255	0.008398	0.000000	0.518784
12 HR	0.885354	0.287946	0.017802	0.005546	0.000000	0.541170
24 HR	1.140288	0.082913	0.022712	0.001597	0.	0.372102
36 HR	1.213696	0.023875	0.024125	0.000460	0.	0.194728
48 HR	1.234833	0.006875	0.024532	0.000132	0.	0.091539
60 HR	1.240920	0.001980	0.024650	0.000038	0.	0.040722
72 HR	1.242672	0.000570	0.024683	0.000011	0.	0.017542
84 HR	1.243177	0.000164	0.024693	0.000003	0.	0.007407
96 HR	1.243322	0.000047	0.024696	0.000001	0.	0.003087
108 HR	1.243364	0.000014	0.024697	0.000000	0.	0.001275
120 HR	1.243376	0.000004	0.024697	0.000000	0.	0.000524
132 HR	1.243379	0.000001	0.024697	0.000000	0.	0.000214

SATURATED IODINE 1.243381
SATURATED XENON 0.024697

TIME HOURS	IODINE		MW/KG	21.20 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024699
5 SEC	0.000180	0.999856	0.000009	0.000143	0.992373	0.024876
10 SEC	0.000360	0.999712	0.000018	0.000286	0.984793	0.025053
30 SEC	0.001080	0.999136	0.000054	0.000845	0.965073	0.025762
60 SEC	0.002158	0.998272	0.000107	0.001651	0.912160	0.026825
2 MIN	0.004313	0.996548	0.000209	0.003153	0.832040	0.028944
5 MIN	0.010754	0.991392	0.000483	0.006899	0.631479	0.035265
10 MIN	0.021416	0.982857	0.000863	0.011196	0.398764	0.045672
30 MIN	0.063153	0.949448	0.001915	0.016984	0.063409	0.085754
60 MIN	0.123113	0.901452	0.003109	0.017202	0.004021	0.141420
2 HR	0.234094	0.812616	0.005240	0.015576	0.000016	0.237992
4 HR	0.424323	0.660345	0.008886	0.012658	0.000000	0.380839
8 HR	0.704522	0.436055	0.014257	0.008358	0.000000	0.521179
12 HR	0.889550	0.287946	0.017803	0.005519	0.000000	0.543688
24 HR	1.145692	0.082913	0.022713	0.001589	0.	0.373847
36 HR	1.219448	0.023875	0.024127	0.000458	0.	0.195644
48 HR	1.240685	0.006875	0.024534	0.000132	0.	0.091970
60 HR	1.246801	0.001980	0.024651	0.000038	0.	0.040913
72 HR	1.248562	0.000570	0.024685	0.000011	0.	0.017625
84 HR	1.249089	0.000164	0.024695	0.000003	0.	0.007442
96 HR	1.249215	0.000047	0.024698	0.000001	0.	0.003101
108 HR	1.249257	0.000014	0.024698	0.000000	0.	0.001281
120 HR	1.249269	0.000004	0.024699	0.000000	0.	0.000526
132 HR	1.249272	0.000001	0.024699	0.000000	0.	0.000215

SATURATED IODINE 1.249274
SATURATED XENON 0.024699

TIME HOURS	IODINE		MW/KG	21.30 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024700
5 SEC	0.000181	0.999856	0.000009	0.000143	0.992337	0.024878
10 SEC	0.000362	0.999712	0.000018	0.000286	0.984722	0.025057
30 SEC	0.001085	0.999136	0.000055	0.000845	0.954869	0.025769
60 SEC	0.002169	0.998272	0.000108	0.001650	0.911770	0.026836
2 MIN	0.004333	0.996548	0.000210	0.003152	0.831328	0.028966
5 MIN	0.010805	0.991392	0.000485	0.006892	0.630130	0.035317
10 MIN	0.021517	0.982857	0.000866	0.011176	0.397062	0.045774
30 MIN	0.063451	0.949448	0.001918	0.016919	0.062600	0.086048
60 MIN	0.123694	0.901452	0.003111	0.017123	0.003919	0.141980
2 HR	0.235198	0.812616	0.005242	0.015502	0.000015	0.239016
4 HR	0.426324	0.660345	0.008888	0.012598	0.000000	0.382551
8 HR	0.707845	0.436055	0.014259	0.008319	0.000000	0.523575
12 HR	0.893746	0.287946	0.017805	0.005493	0.000000	0.546206
24 HR	1.151097	0.082913	0.022715	0.001582	0.	0.375591
36 HR	1.225200	0.023875	0.024129	0.000455	0.	0.196559
48 HR	1.246538	0.006875	0.024536	0.000131	0.	0.092401
60 HR	1.252682	0.001980	0.024653	0.000038	0.	0.041105
72 HR	1.254451	0.000570	0.024687	0.000011	0.	0.017707
84 HR	1.254960	0.000164	0.024696	0.000003	0.	0.007476
96 HR	1.255107	0.000047	0.024699	0.000001	0.	0.003116
108 HR	1.255149	0.000014	0.024700	0.000000	0.	0.001287
120 HR	1.255162	0.000004	0.024700	0.000000	0.	0.000529
132 HR	1.255165	0.000001	0.024700	0.000000	0.	0.000216

SATURATED IODINE 1.255166
SATURATED XENON 0.024700

TIME HOURS	MW/KG		21.40		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024702
5 SEC	0.000182	0.999856	0.000009	0.000143	0.992302	0.024881
10 SEC	0.000363	0.999712	0.000019	0.000286	0.984652	0.025060
30 SEC	0.001090	0.999136	0.000055	0.000844	0.954665	0.025776
60 SEC	0.002179	0.998272	0.000108	0.001650	0.911380	0.026848
2 MIN	0.004354	0.996548	0.000211	0.003151	0.830618	0.028988
5 MIN	0.010856	0.991392	0.000487	0.006885	0.628784	0.035369
10 MIN	0.021618	0.982857	0.000868	0.011155	0.395367	0.045876
30 MIN	0.063749	0.949448	0.001920	0.016855	0.061802	0.086342
60 MIN	0.124275	0.901452	0.003114	0.017044	0.003820	0.142541
2 HR	0.236303	0.812616	0.005244	0.015430	0.000015	0.240040
4 HR	0.428326	0.660345	0.008890	0.012539	0.000000	0.384262
8 HR	0.711168	0.436055	0.014261	0.008280	0.000000	0.525970
12 HR	0.897942	0.287946	0.017807	0.005468	0.000000	0.548724
24 HR	1.156501	0.082913	0.022716	0.001574	0.	0.377336
36 HR	1.230952	0.023875	0.024130	0.000453	0.	0.197474
48 HR	1.252390	0.006875	0.024537	0.000131	0.	0.092831
60 HR	1.258563	0.001980	0.024654	0.000038	0.	0.041297
72 HR	1.260340	0.000570	0.024688	0.000011	0.	0.017790
84 HR	1.260852	0.000164	0.024698	0.000003	0.	0.007511
96 HR	1.261000	0.000047	0.024701	0.000001	0.	0.003130
108 HR	1.261042	0.000014	0.024702	0.000000	0.	0.001293
120 HR	1.261054	0.000004	0.024702	0.000000	0.	0.000531
132 HR	1.261058	0.000001	0.024702	0.000000	0.	0.000217

SATURATED IODINE 1.261059
SATURATED XENON 0.024702

	MW/KG		21.50			
TIME	IODINE		XENON			SHUTDOWN
HOURS	A	B	C	D	E	TRANSIENT
0 SEC	0.	1.000000	0.	0.	1.000000	0.024703
5 SEC	0.000182	0.999856	0.000009	0.000143	0.992267	0.024883
10 SEC	0.000365	0.999712	0.000019	0.000286	0.984582	0.025063
30 SEC	0.001095	0.999136	0.000055	0.000844	0.954461	0.025782
60 SEC	0.002189	0.998272	0.000109	0.001650	0.910990	0.026860
2 MIN	0.004374	0.996548	0.000212	0.003149	0.829907	0.029010
5 MIN	0.010906	0.991392	0.000489	0.006878	0.627441	0.035421
10 MIN	0.021719	0.982857	0.000871	0.011135	0.393680	0.045978
30 MIN	0.064047	0.949448	0.001923	0.016791	0.061014	0.086635
60 MIN	0.124655	0.901452	0.003116	0.016966	0.003723	0.143101
2 HR	0.237407	0.812616	0.005246	0.015358	0.000014	0.241063
4 HR	0.430327	0.660345	0.008892	0.012480	0.000000	0.385973
8 HR	0.714491	0.436055	0.014262	0.008241	0.000000	0.528366
12 HR	0.902138	0.287946	0.017809	0.005442	0.000000	0.551242
24 HR	1.161905	0.082913	0.022718	0.001567	0.	0.379080
36 HR	1.236704	0.023875	0.024132	0.000451	0.	0.198389
48 HR	1.258242	0.006875	0.024539	0.000130	0.	0.093262
60 HR	1.264444	0.001980	0.024656	0.000037	0.	0.041488
72 HR	1.266230	0.000570	0.024690	0.000011	0.	0.017873
84 HR	1.266744	0.000164	0.024699	0.000003	0.	0.007546
96 HR	1.266892	0.000047	0.024702	0.000001	0.	0.003145
108 HR	1.266935	0.000014	0.024703	0.000000	0.	0.001299
120 HR	1.266947	0.000004	0.024703	0.000000	0.	0.000533
132 HR	1.266951	0.000001	0.024703	0.000000	0.	0.000218

SATURATED IODINE 1.266952
SATURATED XENON 0.024703

TIME HOURS	MW/KG		21.60		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024705
5 SEC	0.000183	0.999856	0.000009	0.000143	0.992231	0.024886
10 SEC	0.000367	0.999712	0.000019	0.000286	0.984512	0.025066
30 SEC	0.001100	0.999136	0.000055	0.000844	0.954256	0.025789
60 SEC	0.002199	0.998272	0.000109	0.001649	0.910600	0.026872
2 MIN	0.004394	0.996548	0.000213	0.003148	0.829198	0.029032
5 MIN	0.010957	0.991392	0.000491	0.006872	0.626100	0.035473
10 MIN	0.021820	0.982857	0.000873	0.011115	0.391999	0.046080
30 MIN	0.064344	0.949448	0.001926	0.016727	0.060236	0.086429
60 MIN	0.125436	0.901452	0.003118	0.016889	0.003628	0.143662
2 HR	0.238511	0.812616	0.005248	0.015286	0.000013	0.242087
4 HR	0.432329	0.660345	0.008894	0.012422	0.000000	0.387665
8 HR	0.717815	0.436055	0.014264	0.008203	0.000000	0.530761
12 HR	0.906334	0.287946	0.017810	0.005417	0.000000	0.553760
24 HR	1.167309	0.082913	0.022720	0.001560	0.	0.380825
36 HR	1.242456	0.023875	0.024133	0.000449	0.	0.199304
48 HR	1.264095	0.006875	0.024540	0.000129	0.	0.093693
60 HR	1.270325	0.001980	0.024658	0.000037	0.	0.041680
72 HR	1.272119	0.000570	0.024691	0.000011	0.	0.017955
84 HR	1.272636	0.000164	0.024701	0.000003	0.	0.007581
96 HR	1.272785	0.000047	0.024704	0.000001	0.	0.003159
108 HR	1.272828	0.000014	0.024705	0.000000	0.	0.001305
120 HR	1.272840	0.000004	0.024705	0.000000	0.	0.000536
132 HR	1.272843	0.000001	0.024705	0.000000	0.	0.000219

SATURATED IODINE 1.272845
SATURATED XENON 0.024705

TIME HOURS	MW/KG		21.70		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024706
5 SEC	0.000184	0.999856	0.000009	0.000143	0.992196	0.024888
10 SEC	0.000368	0.999712	0.000019	0.000286	0.984442	0.025070
30 SEC	0.001105	0.999136	0.000056	0.000844	0.954052	0.025796
60 SEC	0.002209	0.998272	0.000110	0.001649	0.910211	0.026883
2 MIN	0.004415	0.996548	0.000214	0.003147	0.828488	0.029054
5 MIN	0.011008	0.991392	0.000492	0.006865	0.624763	0.035525
10 MIN	0.021921	0.982857	0.000876	0.011095	0.390326	0.046182
30 MIN	0.064642	0.949448	0.001928	0.016664	0.059468	0.087223
60 MIN	0.126017	0.901452	0.003120	0.016813	0.003536	0.144222
2 HR	0.239615	0.812616	0.005250	0.015215	0.000013	0.243111
4 HR	0.434330	0.660345	0.008896	0.012364	0.000000	0.389396
8 HR	0.721138	0.436055	0.014266	0.008165	0.000000	0.533156
12 HR	0.910530	0.287946	0.017812	0.005392	0.000000	0.556278
24 HR	1.172713	0.082913	0.022721	0.001552	0.	0.382570
36 HR	1.248208	0.023875	0.024135	0.000447	0.	0.200220
48 HR	1.269947	0.006875	0.024542	0.000129	0.	0.094124
60 HR	1.276206	0.001980	0.024659	0.000037	0.	0.041872
72 HR	1.278009	0.000570	0.024693	0.000011	0.	0.018038
84 HR	1.278528	0.000164	0.024703	0.000003	0.	0.007616
96 HR	1.278677	0.000047	0.024705	0.000001	0.	0.003174
108 HR	1.278720	0.000014	0.024706	0.000000	0.	0.001311
120 HR	1.278733	0.000004	0.024706	0.000000	0.	0.000538
132 HR	1.278736	0.000001	0.024706	0.000000	0.	0.000270

SATURATED IODINE 1.278738
SATURATED XENON 0.024706

TIME HOURS	IODINE		MW/KG	21.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024708
5 SEC	0.000185	0.999856	0.000009	0.000143	0.992161	0.024890
10 SEC	0.000370	0.999712	0.000019	0.000286	0.984371	0.025073
30 SEC	0.001110	0.999136	0.000056	0.000844	0.953848	0.025802
60 SEC	0.002219	0.998272	0.000110	0.001649	0.909822	0.026895
2 MIN	0.004435	0.996548	0.000214	0.003145	0.827780	0.029075
5 MIN	0.011059	0.991392	0.000494	0.006858	0.623428	0.035577
10 MIN	0.022022	0.982857	0.000878	0.011075	0.388660	0.046284
30 MIN	0.064940	0.949448	0.001931	0.016601	0.058710	0.087517
60 MIN	0.126598	0.901452	0.003122	0.016737	0.003447	0.144783
2 HR	0.240719	0.812616	0.005252	0.015145	0.000012	0.244134
4 HR	0.436332	0.660345	0.008898	0.012307	0.000000	0.391107
8 HR	0.724461	0.436055	0.014268	0.008127	0.000000	0.535552
12 HR	0.914726	0.287946	0.017814	0.005367	0.000000	0.558796
24 HR	1.178118	0.082913	0.022723	0.001545	0.	0.384314
36 HR	1.253960	0.023875	0.024136	0.000445	0.	0.201135
48 HR	1.275799	0.006875	0.024543	0.000128	0.	0.094554
60 HR	1.282088	0.001980	0.024661	0.000037	0.	0.042064
72 HR	1.283898	0.000570	0.024694	0.000011	0.	0.018121
84 HR	1.284420	0.000164	0.024704	0.000003	0.	0.007651
96 HR	1.284570	0.000047	0.024707	0.000001	0.	0.003188
108 HR	1.284613	0.000014	0.024708	0.000000	0.	0.001317
120 HR	1.284625	0.000004	0.024708	0.000000	0.	0.000541
132 HR	1.284629	0.000001	0.024708	0.000000	0.	0.000221

SATURATED IODINE 1.284630
SATURATED XENON 0.024708

TIME HOURS	IODINE		MW/KG	21.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024709
5 SEC	0.000186	0.999856	0.000009	0.000143	0.992125	0.024893
10 SEC	0.000372	0.999712	0.000019	0.000286	0.984301	0.025076
30 SEC	0.001115	0.999136	0.000056	0.000844	0.953644	0.025809
60 SEC	0.002230	0.998272	0.000111	0.001648	0.909433	0.026907
2 MIN	0.004455	0.996548	0.000215	0.003144	0.827072	0.029097
5 MIN	0.011109	0.991392	0.000496	0.006851	0.622096	0.035629
10 MIN	0.022123	0.982857	0.000881	0.011055	0.387001	0.046386
30 MIN	0.065238	0.949448	0.001933	0.016539	0.057961	0.087811
60 MIN	0.127178	0.901452	0.003124	0.016662	0.003360	0.145343
2 HR	0.241824	0.812616	0.005254	0.015076	0.000011	0.245158
4 HR	0.438333	0.660345	0.008899	0.012251	0.000000	0.392819
8 HR	0.727784	0.436055	0.014269	0.008090	0.000000	0.537947
12 HR	0.918922	0.287946	0.017815	0.005342	0.000000	0.561314
24 HR	1.183522	0.082913	0.022724	0.001538	0.	0.386059
36 HR	1.259713	0.023875	0.024138	0.000443	0.	0.202050
48 HR	1.281651	0.006875	0.024545	0.000128	0.	0.094985
60 HR	1.287969	0.001980	0.024662	0.000037	0.	0.042255
72 HR	1.289788	0.000570	0.024696	0.000011	0.	0.018203
84 HR	1.290311	0.000164	0.024706	0.000003	0.	0.007686
96 HR	1.290462	0.000047	0.024708	0.000001	0.	0.003203
108 HR	1.290506	0.000014	0.024709	0.000000	0.	0.001323
120 HR	1.290518	0.000004	0.024709	0.000000	0.	0.000543
132 HR	1.290522	0.000001	0.024709	0.000000	0.	0.000222

SATURATED IODINE 1.290523
SATURATED XENON 0.024709

TIME HOURS	IODINE		MW/KG	22.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024711
5 SEC	0.000187	0.999856	0.000010	0.000143	0.992090	0.024895
10 SEC	0.000374	0.999712	0.000019	0.000286	0.984231	0.025079
30 SEC	0.001120	0.999136	0.000057	0.000844	0.953440	0.025815
60 SEC	0.002240	0.998272	0.000111	0.001648	0.909044	0.026918
2 MIN	0.004476	0.996548	0.000216	0.003143	0.826365	0.029119
5 MIN	0.011160	0.991392	0.000498	0.006845	0.620767	0.035681
10 MIN	0.022224	0.982857	0.000883	0.011035	0.385349	0.046488
30 MIN	0.065536	0.949448	0.001936	0.016477	0.057222	0.088104
60 MIN	0.127759	0.901452	0.003126	0.016587	0.003274	0.145903
2 HR	0.242928	0.812616	0.005256	0.015007	0.000011	0.246182
4 HR	0.440335	0.660345	0.008901	0.012195	0.000000	0.394530
8 HR	0.731108	0.436055	0.014271	0.008053	0.000000	0.540343
12 HR	0.923118	0.287946	0.017817	0.005318	0.000000	0.563832
24 HR	1.188926	0.082913	0.022726	0.001531	0.	0.387803
36 HR	1.265485	0.023875	0.024139	0.000441	0.	0.202965
48 HR	1.287504	0.006875	0.024546	0.000127	0.	0.095416
60 HR	1.293850	0.001980	0.024664	0.000037	0.	0.042447
72 HR	1.295677	0.000570	0.024697	0.000011	0.	0.018286
84 HR	1.296203	0.000164	0.024707	0.000003	0.	0.007721
96 HR	1.296355	0.000047	0.024710	0.000001	0.	0.003218
108 HR	1.296398	0.000014	0.024711	0.000000	0.	0.001329
120 HR	1.296411	0.000004	0.024711	0.000000	0.	0.000546
132 HR	1.296415	0.000001	0.024711	0.000000	0.	0.000223

SATURATED IODINE 1.296416
SATURATED XENON 0.024711

TIME HOURS	IODINE		MW/KG	22.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024712
5 SEC	0.000188	0.999856	0.000010	0.000143	0.992055	0.024897
10 SEC	0.000375	0.999712	0.000019	0.000286	0.984161	0.025082
30 SEC	0.001125	0.999136	0.000057	0.000844	0.953237	0.025822
60 SEC	0.002250	0.998272	0.000112	0.001647	0.908655	0.026930
2 MIN	0.004496	0.996548	0.000217	0.003142	0.825658	0.029141
5 MIN	0.011211	0.991392	0.000500	0.006838	0.619441	0.035733
10 MIN	0.022325	0.982857	0.000886	0.011015	0.383704	0.046589
30 MIN	0.065834	0.949448	0.001938	0.016416	0.056493	0.088398
60 MIN	0.128340	0.901452	0.003128	0.016513	0.003191	0.146464
2 HR	0.244032	0.812616	0.005258	0.014939	0.000010	0.247205
4 HR	0.442336	0.660345	0.008903	0.012139	0.000000	0.396241
8 HR	0.734431	0.436055	0.014273	0.008016	0.000000	0.542738
12 HR	0.927314	0.287946	0.017819	0.005293	0.000000	0.566350
24 HR	1.194330	0.082913	0.022727	0.001524	0.	0.389548
36 HR	1.271217	0.023875	0.024141	0.000439	0.	0.203881
48 HR	1.293356	0.006875	0.024548	0.000126	0.	0.095846
60 HR	1.299731	0.001980	0.024665	0.000036	0.	0.042639
72 HR	1.301567	0.000570	0.024699	0.000010	0.	0.018368
84 HR	1.302095	0.000164	0.024709	0.000003	0.	0.007756
96 HR	1.302247	0.000047	0.024711	0.000001	0.	0.003232
108 HR	1.302291	0.000014	0.024712	0.000000	0.	0.001335
120 HR	1.302304	0.000004	0.024712	0.000000	0.	0.000548
132 HR	1.302307	0.000001	0.024712	0.000000	0.	0.000224

SATURATED IODINE 1.302309
SATURATED XENON 0.024712

TIME HOURS	MW/KG		22.20		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.024714
5 SEC	0.000188	0.999856	0.000010	0.000143	0.992019	0.024900
10 SEC	0.000377	0.999712	0.000019	0.000286	0.984091	0.025086
30 SEC	0.001130	0.999136	0.000057	0.000844	0.953033	0.025829
60 SEC	0.002260	0.998272	0.000112	0.001647	0.908266	0.026942
2 MIN	0.004516	0.996548	0.000218	0.003140	0.824952	0.029163
5 MIN	0.011262	0.991392	0.000501	0.006831	0.618117	0.035785
10 MIN	0.022426	0.982857	0.000888	0.010995	0.382067	0.046691
30 MIN	0.066132	0.949448	0.001940	0.016355	0.055772	0.088692
60 MIN	0.128921	0.901452	0.003130	0.016440	0.003111	0.147024
2 HR	0.245136	0.812616	0.005259	0.014871	0.000010	0.248229
4 HR	0.444338	0.660345	0.008905	0.012085	0.000000	0.397953
8 HR	0.737754	0.436055	0.014275	0.007980	0.000000	0.545134
12 HR	0.931510	0.287946	0.017820	0.005270	0.000000	0.568868
24 HR	1.199735	0.082913	0.022729	0.001517	0.	0.391292
36 HR	1.276969	0.023875	0.024142	0.000437	0.	0.204796
48 HR	1.299208	0.006875	0.024549	0.000126	0.	0.096277
60 HR	1.305612	0.001980	0.024667	0.000036	0.	0.042831
72 HR	1.307456	0.000570	0.024700	0.000010	0.	0.018451
84 HR	1.307987	0.000164	0.024710	0.000003	0.	0.007791
96 HR	1.308140	0.000047	0.024713	0.000001	0.	0.003247
108 HR	1.308184	0.000014	0.024714	0.000000	0.	0.001341
120 HR	1.308197	0.000004	0.024714	0.000000	0.	0.000551
132 HR	1.308200	0.000001	0.024714	0.000000	0.	0.000225

SATURATED IODINE 1.308202
SATURATED XENON 0.024714

TIME HOURS	MW/KG		22.30		SHUTDOWN TRANSIENT	
	IODINE A	XENON B	C	D		
0 SEC	0.	1.000000	0.	0.	1.000000	0.024715
5 SEC	0.000189	0.999856	0.000010	0.000143	0.991984	0.024902
10 SEC	0.000379	0.999712	0.000019	0.000286	0.984021	0.025089
30 SEC	0.001136	0.999136	0.000057	0.000844	0.952829	0.025835
60 SEC	0.002270	0.998272	0.000113	0.001647	0.907878	0.026953
2 MIN	0.004537	0.996548	0.000219	0.003139	0.824247	0.029184
5 MIN	0.011312	0.991392	0.000503	0.006824	0.616797	0.035837
10 MIN	0.022527	0.982857	0.000891	0.010975	0.380436	0.046793
30 MIN	0.066430	0.949448	0.001943	0.016294	0.055061	0.088985
60 MIN	0.129501	0.901452	0.003132	0.016367	0.003032	0.147585
2 HR	0.246240	0.812616	0.005261	0.014804	0.000009	0.249253
4 HR	0.446339	0.660345	0.008907	0.012030	0.000000	0.399664
8 HR	0.741077	0.436055	0.014276	0.007944	0.000000	0.547529
12 HR	0.935706	0.287946	0.017822	0.005246	0.000000	0.571386
24 HR	1.205139	0.082913	0.022730	0.001511	0.	0.393037
36 HR	1.282721	0.023875	0.024144	0.000435	0.	0.205711
48 HR	1.305061	0.006875	0.024551	0.000125	0.	0.096708
60 HR	1.311493	0.001980	0.024668	0.000036	0.	0.043022
72 HR	1.313345	0.000570	0.024702	0.000010	0.	0.018534
84 HR	1.313879	0.000164	0.024711	0.000003	0.	0.007825
96 HR	1.314032	0.000047	0.024714	0.000001	0.	0.003261
108 HR	1.314077	0.000014	0.024715	0.000000	0.	0.001347
120 HR	1.314089	0.000004	0.024715	0.000000	0.	0.000553
132 HR	1.314093	0.000001	0.024715	0.000000	0.	0.000226

SATURATED IODINE 1.314094
SATURATED XENON 0.024715

	MW/KG		22.40		
TIME	IODINE		XENON		SHUTDOWN
HOURS	A	B	C	D	TRANSIENT

0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000190	0.999856	0.000010	0.000143	0.991949
10 SEC	0.000380	0.999712	0.000019	0.000286	0.983950
30 SEC	0.001141	0.999136	0.000058	0.000844	0.952625
60 SEC	0.002280	0.998272	0.000113	0.001646	0.907489
2 MIN	0.004557	0.996548	0.000220	0.003138	0.823542
5 MIN	0.011363	0.991392	0.000505	0.006818	0.615479
10 MIN	0.022628	0.982857	0.000893	0.010955	0.378812
30 MIN	0.066728	0.949448	0.001945	0.016233	0.054359
60 MIN	0.130082	0.901452	0.003134	0.016295	0.002955
2 HR	0.247345	0.812616	0.005263	0.014738	0.000009
4 HR	0.448341	0.660345	0.008908	0.011976	0.000000
8 HR	0.744400	0.436055	0.014278	0.007908	0.000000
12 HR	0.939902	0.287946	0.017823	0.005222	0.000000
24 HR	1.210543	0.082913	0.022732	0.001504	0.
36 HR	1.288473	0.023875	0.024145	0.000433	0.
48 HR	1.310913	0.006875	0.024552	0.000125	0.
60 HR	1.317374	0.001980	0.024669	0.000036	0.
72 HR	1.319235	0.000570	0.024703	0.000010	0.
84 HR	1.319771	0.000164	0.024713	0.000003	0.
96 HR	1.319925	0.000047	0.024716	0.000001	0.
108 HR	1.319969	0.000014	0.024716	0.000000	0.
120 HR	1.319982	0.000004	0.024717	0.000000	0.
132 HR	1.319986	0.000001	0.024717	0.000000	0.

SATURATED IODINE 1.319987
SATURATED XENON 0.024717

		MW/KG		22.50			
TIME HOURS	IODINE		XENON		SHUTDOWN TRANSIENT		
	A	B	C	D		E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024718	
5 SEC	0.000191	0.999856	0.000010	0.000143	0.991913	0.024907	
10 SEC	0.000382	0.999712	0.000019	0.000286	0.983880	0.025095	
30 SEC	0.001146	0.999136	0.000058	0.000843	0.952422	0.025848	
60 SEC	0.002291	0.998272	0.000114	0.001646	0.907101	0.026976	
2 MIN	0.004577	0.996548	0.000221	0.003136	0.822838	0.029228	
5 MIN	0.011414	0.991392	0.000507	0.006811	0.614164	0.035941	
10 MIN	0.022729	0.982857	0.000896	0.010935	0.377195	0.046997	
30 MIN	0.067025	0.949448	0.001948	0.016173	0.053666	0.089573	
60 MIN	0.130663	0.901452	0.003136	0.016224	0.002880	0.148705	
2 HR	0.248449	0.812616	0.005265	0.014672	0.000008	0.251300	
4 HR	0.450342	0.660345	0.008910	0.011923	0.000000	0.403087	
8 HR	0.747724	0.436055	0.014279	0.007873	0.000000	0.552320	
12 HR	0.944098	0.287946	0.017825	0.005199	0.000000	0.576422	
24 HR	1.215947	0.082913	0.022733	0.001497	0.	0.396526	
36 HR	1.294225	0.023875	0.024147	0.000431	0.	0.207541	
48 HR	1.316765	0.006875	0.024554	0.000124	0.	0.097569	
60 HR	1.323255	0.001980	0.024671	0.000036	0.	0.043406	
72 HR	1.325124	0.000570	0.024705	0.000010	0.	0.018699	
84 HR	1.325662	0.000164	0.024714	0.000003	0.	0.007895	
96 HR	1.325817	0.000047	0.024717	0.000001	0.	0.003290	
108 HR	1.325862	0.000014	0.024718	0.000000	0.	0.001359	
120 HR	1.325875	0.000004	0.024718	0.000000	0.	0.000558	
132 HR	1.325879	0.000001	0.024718	0.000000	0.	0.000228	

SATURATED IODINE 1.325880
SATURATED XENON 0.024718

TIME HOURS	IODINE		MW/KG	22.60 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024720
5 SEC	0.000192	0.999856	0.000010	0.000143	0.991878	0.024909
10 SEC	0.000384	0.999712	0.000020	0.000286	0.983810	0.025098
30 SEC	0.001151	0.999136	0.000058	0.000843	0.952218	0.025855
60 SEC	0.002301	0.998272	0.000114	0.001646	0.906713	0.026988
2 MIN	0.004598	0.996548	0.000222	0.003135	0.822134	0.029249
5 MIN	0.011464	0.991392	0.000509	0.006804	0.612852	0.035993
10 MIN	0.022830	0.982857	0.000898	0.010916	0.375585	0.047098
30 MIN	0.067323	0.949448	0.001950	0.016114	0.052982	0.089866
60 MIN	0.131243	0.901452	0.003138	0.016153	0.002807	0.149266
2 HR	0.249553	0.812616	0.005267	0.014607	0.000008	0.252324
4 HR	0.452344	0.660345	0.008912	0.011870	0.000000	0.404798
8 HR	0.751047	0.436055	0.014281	0.007838	0.000000	0.554715
12 HR	0.948294	0.287946	0.017827	0.005176	0.000000	0.578940
24 HR	1.221351	0.082913	0.022735	0.001490	0.	0.398271
36 HR	1.299977	0.023875	0.024148	0.000429	0.	0.208457
48 HR	1.322617	0.006875	0.024555	0.000124	0.	0.098000
60 HR	1.329137	0.001980	0.024672	0.000036	0.	0.043598
72 HR	1.331014	0.000570	0.024706	0.000010	0.	0.018782
84 HR	1.331554	0.000164	0.024716	0.000003	0.	0.007930
96 HR	1.331710	0.000047	0.024718	0.000001	0.	0.003305
108 HR	1.331755	0.000014	0.024719	0.000000	0.	0.001365
120 HR	1.331768	0.000004	0.024720	0.000000	0.	0.000561
132 HR	1.331771	0.000001	0.024720	0.000000	0.	0.000229

SATURATED IODINE 1.331773
SATURATED XENON 0.024720

TIME HOURS	IODINE		MW/KG	22.70 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024721
5 SEC	0.000193	0.999856	0.000010	0.000143	0.991842	0.024911
10 SEC	0.000385	0.999712	0.000020	0.000286	0.983740	0.025101
30 SEC	0.001156	0.999136	0.000058	0.000843	0.952014	0.025861
60 SEC	0.002311	0.998272	0.000115	0.001645	0.906326	0.027000
2 MIN	0.004618	0.996548	0.000222	0.003134	0.821431	0.029271
5 MIN	0.011515	0.991392	0.000510	0.006798	0.611542	0.036045
10 MIN	0.022931	0.982857	0.000901	0.010896	0.373982	0.047200
30 MIN	0.067621	0.949448	0.001952	0.016055	0.052306	0.090160
60 MIN	0.131824	0.901452	0.003140	0.016083	0.002736	0.149826
2 HR	0.250657	0.812616	0.005269	0.014542	0.000007	0.253347
4 HR	0.454345	0.660345	0.008914	0.011817	0.000000	0.406509
8 HR	0.754370	0.436055	0.014283	0.007803	0.000000	0.557111
12 HR	0.952490	0.287946	0.017828	0.005153	0.000000	0.581458
24 HR	1.226756	0.082913	0.022736	0.001484	0.	0.400015
36 HR	1.305729	0.023875	0.024149	0.000427	0.	0.209372
48 HR	1.328470	0.006875	0.024556	0.000123	0.	0.098431
60 HR	1.335018	0.001980	0.024674	0.000035	0.	0.043789
72 HR	1.336903	0.000570	0.024707	0.000010	0.	0.018864
84 HR	1.337446	0.000164	0.024717	0.000003	0.	0.007965
96 HR	1.337602	0.000047	0.024720	0.000001	0.	0.003319
108 HR	1.337647	0.000014	0.024721	0.000000	0.	0.001371
120 HR	1.337660	0.000004	0.024721	0.000000	0.	0.000563
132 HR	1.337664	0.000001	0.024721	0.000000	0.	0.000230

SATURATED IODINE 1.337666
SATURATED XENON 0.024721

TIME HOURS	IODINE		MW/KG	22.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024722
5 SEC	0.000193	0.999856	0.000010	0.000143	0.991807	0.024913
10 SEC	0.000387	0.999712	0.000020	0.000286	0.983670	0.025104
30 SEC	0.001161	0.999136	0.000059	0.000843	0.951811	0.025868
60 SEC	0.002321	0.998272	0.000115	0.001645	0.905938	0.027011
2 MIN	0.004638	0.996548	0.000223	0.003132	0.820729	0.029293
5 MIN	0.011566	0.991392	0.000512	0.006791	0.610236	0.036097
10 MIN	0.023032	0.982857	0.000903	0.010876	0.372386	0.047302
30 MIN	0.067919	0.949448	0.001955	0.015996	0.051639	0.090454
60 MIN	0.132405	0.901452	0.003142	0.016013	0.002667	0.150386
2 HR	0.251762	0.812616	0.005270	0.014478	0.000007	0.254371
4 HR	0.456347	0.660345	0.008915	0.011765	0.000000	0.408220
8 HR	0.757693	0.436055	0.014284	0.007769	0.000000	0.559506
12 HR	0.956686	0.287946	0.017830	0.005130	0.000000	0.583976
24 HR	1.232160	0.082913	0.022738	0.001477	0.	0.401760
36 HR	1.311482	0.023875	0.024151	0.000425	0.	0.210287
48 HR	1.334322	0.006875	0.024558	0.000122	0.	0.098862
60 HR	1.340899	0.001980	0.024675	0.000035	0.	0.043981
72 HR	1.342793	0.000570	0.024709	0.000010	0.	0.018947
84 HR	1.343338	0.000164	0.024718	0.000003	0.	0.008000
96 HR	1.343495	0.000047	0.024721	0.000001	0.	0.003334
108 HR	1.343540	0.000014	0.024722	0.000000	0.	0.001377
120 HR	1.343553	0.000004	0.024722	0.000000	0.	0.000566
132 HR	1.343557	0.000001	0.024722	0.000000	0.	0.000231

SATURATED IODINE 1.343558
SATURATED XENON 0.024722

TIME HOURS	IODINE		MW/KG	22.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024724
5 SEC	0.000194	0.999856	0.000010	0.000143	0.991772	0.024915
10 SEC	0.000389	0.999712	0.000020	0.000286	0.983600	0.025107
30 SEC	0.001166	0.999136	0.000059	0.000843	0.951607	0.025874
60 SEC	0.002331	0.998272	0.000116	0.001645	0.905551	0.027023
2 MIN	0.004659	0.996548	0.000224	0.003131	0.820027	0.029315
5 MIN	0.011617	0.991392	0.000514	0.006784	0.608932	0.036149
10 MIN	0.023133	0.982857	0.000905	0.010857	0.370796	0.047404
30 MIN	0.068217	0.949448	0.001957	0.015937	0.050981	0.090747
60 MIN	0.132986	0.901452	0.003144	0.015944	0.002599	0.150947
2 HR	0.252866	0.812616	0.005272	0.014414	0.000007	0.255394
4 HR	0.458349	0.660345	0.008917	0.011713	0.000000	0.409932
8 HR	0.761016	0.436055	0.014286	0.007735	0.000000	0.561901
12 HR	0.960882	0.287946	0.017831	0.005108	0.000000	0.586494
24 HR	1.237564	0.082913	0.022739	0.001471	0.	0.403504
36 HR	1.317234	0.023875	0.024152	0.000423	0.	0.211202
48 HR	1.340174	0.006875	0.024559	0.000122	0.	0.099292
60 HR	1.346780	0.001980	0.024676	0.000035	0.	0.044173
72 HR	1.348682	0.000570	0.024710	0.000010	0.	0.019029
84 HR	1.349230	0.000164	0.024720	0.000003	0.	0.008035
96 HR	1.349387	0.000047	0.024723	0.000001	0.	0.003348
108 HR	1.349433	0.000014	0.024723	0.000000	0.	0.001383
120 HR	1.349448	0.000004	0.024724	0.000000	0.	0.000568
132 HR	1.349450	0.000001	0.024724	0.000000	0.	0.000232

SATURATED IODINE 1.349451
SATURATED XENON 0.024724

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	0.000000	0.000000	0.000000	0.000000	0.024725
5 SEC	0.000195	0.000000	0.000000	0.000143	0.000000	0.024918
10 SEC	0.000391	0.000000	0.000000	0.000286	0.000000	0.025110
30 SEC	0.001176	0.000000	0.000000	0.000843	0.000000	0.025887
60 SEC	0.002342	0.000000	0.000000	0.001644	0.000000	0.027034
2 MIN	0.004679	0.000000	0.000000	0.003130	0.000000	0.029336
5 MIN	0.011667	0.000000	0.000000	0.006777	0.000000	0.036301
10 MIN	0.023224	0.000000	0.000000	0.010837	0.000000	0.047305
30 MIN	0.068516	0.000000	0.000000	0.031879	0.000000	0.091041
60 MIN	0.133566	0.000000	0.000000	0.063146	0.000000	0.151507
2 HR	0.253970	0.000000	0.000000	0.126316	0.000000	0.256418
4 HR	0.460350	0.000000	0.000000	0.251662	0.000000	0.411643
8 HR	0.744340	0.000000	0.000000	0.436055	0.000000	0.564297
12 HR	0.965078	0.000000	0.000000	0.602916	0.000000	0.767653
24 HR	1.242958	0.000000	0.000000	0.827946	0.000000	1.045472
36 HR	1.322968	0.000000	0.000000	0.828715	0.000000	1.043364
48 HR	1.346027	0.000000	0.000000	0.828715	0.000000	1.043364
60 HR	1.352661	0.000000	0.000000	0.828715	0.000000	1.043364
72 HR	1.354571	0.000000	0.000000	0.828715	0.000000	1.043364
84 HR	1.355122	0.000000	0.000000	0.828715	0.000000	1.043364
96 HR	1.355280	0.000000	0.000000	0.828715	0.000000	1.043364
108 HR	1.355336	0.000000	0.000000	0.828715	0.000000	1.043364
120 HR	1.355359	0.000000	0.000000	0.828715	0.000000	1.043364
132 HR	1.355342	0.000000	0.000000	0.828715	0.000000	1.043364

SATURATED IODINE 1.355344
SATURATED XENON 0.024725

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	0.000000	0.000000	0.000000	0.000000	0.024728
5 SEC	0.000197	0.000000	0.000000	0.000143	0.000000	0.024922
10 SEC	0.000394	0.000000	0.000000	0.000286	0.000000	0.025117
30 SEC	0.001181	0.000000	0.000000	0.000843	0.000000	0.025893
60 SEC	0.002362	0.000000	0.000000	0.001644	0.000000	0.027057
2 MIN	0.004720	0.000000	0.000000	0.003127	0.000000	0.029380
5 MIN	0.011789	0.000000	0.000000	0.006764	0.000000	0.036305
10 MIN	0.023436	0.000000	0.000000	0.010799	0.000000	0.047709
30 MIN	0.069111	0.000000	0.000000	0.031964	0.000000	0.091668
60 MIN	0.134728	0.000000	0.000000	0.063146	0.000000	0.152627
2 HR	0.254178	0.000000	0.000000	0.126316	0.000000	0.256418
4 HR	0.466353	0.000000	0.000000	0.251662	0.000000	0.411643
8 HR	0.770986	0.000000	0.000000	0.436055	0.000000	0.564297
12 HR	0.977666	0.000000	0.000000	0.602916	0.000000	0.767653
24 HR	1.253777	0.000000	0.000000	0.827946	0.000000	1.045472
36 HR	1.334490	0.000000	0.000000	0.828715	0.000000	1.043364
48 HR	1.357731	0.000000	0.000000	0.828715	0.000000	1.043364
60 HR	1.364423	0.000000	0.000000	0.828715	0.000000	1.043364
72 HR	1.366350	0.000000	0.000000	0.828715	0.000000	1.043364
84 HR	1.366905	0.000000	0.000000	0.828715	0.000000	1.043364
96 HR	1.367065	0.000000	0.000000	0.828715	0.000000	1.043364
108 HR	1.367111	0.000000	0.000000	0.828715	0.000000	1.043364
120 HR	1.367124	0.000000	0.000000	0.828715	0.000000	1.043364
132 HR	1.367128	0.000000	0.000000	0.828715	0.000000	1.043364

SATURATED IODINE 1.367130
SATURATED XENON 0.024728

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	0.000000	0.000000	0.000000	0.000000	0.024729
5 SEC	0.000196	0.000000	0.000000	0.000143	0.000000	0.024924
10 SEC	0.000392	0.000000	0.000000	0.000286	0.000000	0.025113
30 SEC	0.001176	0.000000	0.000000	0.000843	0.000000	0.025887
60 SEC	0.002342	0.000000	0.000000	0.001644	0.000000	0.027046
2 MIN	0.004679	0.000000	0.000000	0.003129	0.000000	0.029358
5 MIN	0.011718	0.000000	0.000000	0.006771	0.000000	0.036253
10 MIN	0.023335	0.000000	0.000000	0.010818	0.000000	0.047607
30 MIN	0.068813	0.000000	0.000000	0.031821	0.000000	0.091335
60 MIN	0.134147	0.000000	0.000000	0.063147	0.000000	0.152067
2 HR	0.255074	0.000000	0.000000	0.126316	0.000000	0.257441
4 HR	0.462352	0.000000	0.000000	0.251648	0.000000	0.413354
8 HR	0.767653	0.000000	0.000000	0.436055	0.000000	0.566692
12 HR	0.969274	0.000000	0.000000	0.602916	0.000000	0.769150
24 HR	1.248372	0.000000	0.000000	0.828715	0.000000	1.043364
36 HR	1.328738	0.000000	0.000000	0.828715	0.000000	1.043364
48 HR	1.358542	0.000000	0.000000	0.828715	0.000000	1.043364
60 HR	1.365461	0.000000	0.000000	0.828715	0.000000	1.043364
72 HR	1.366461	0.000000	0.000000	0.828715	0.000000	1.043364
84 HR	1.366113	0.000000	0.000000	0.828715	0.000000	1.043364
96 HR	1.361172	0.000000	0.000000	0.828715	0.000000	1.043364
108 HR	1.361218	0.000000	0.000000	0.828715	0.000000	1.043364
120 HR	1.361231	0.000000	0.000000	0.828715	0.000000	1.043364
132 HR	1.361235	0.000000	0.000000	0.828715	0.000000	1.043364

SATURATED IODINE 1.361237
SATURATED XENON 0.024726

TIME HOURS	A	B	C	D	E	SHUTDOWN TRANSIENT
0 SEC	0.000000	0.000000	0.000000	0.000000	0.000000	0.024729
5 SEC	0.000196	0.000000	0.000000	0.000143	0.000000	0.024924
10 SEC	0.000392	0.000000	0.000000	0.000286	0.000000	0.025113
30 SEC	0.001176	0.000000	0.000000	0.000843	0.000000	0.025887
60 SEC	0.002342	0.000000	0.000000	0.001644	0.000000	0.027046
2 MIN	0.004679	0.000000	0.000000	0.003129	0.000000	0.029358
5 MIN	0.011718	0.000000	0.000000	0.006771	0.000000	0.036253
10 MIN	0.023335	0.000000	0.000000	0.010818	0.000000	0.047607
30 MIN	0.068813	0.000000	0.000000	0.031821	0.000000	0.091335
60 MIN	0.134147	0.000000	0.000000	0.063147	0.000000	0.152067
2 HR	0.255074	0.000000	0.000000	0.126316	0.000000	0.257441
4 HR	0.462352	0.000000	0.000000	0.251648	0.000000	0.413354
8 HR	0.767653	0.000000	0.000000	0.436055	0.000000	0.566692
12 HR	0.969274	0.000000	0.000000	0.602916	0.000000	0.769150
24 HR	1.248372	0.000000	0.000000	0.828715	0.000000	1.043364
36 HR	1.328738	0.000000	0.000000	0.828715	0.000000	1.043364
48 HR	1.358542	0.000000	0.000000	0.828715	0.000000	1.043364
60 HR	1.365461	0.000000	0.000000	0.828715	0.000000	1.043364
72 HR	1.366461	0.000000	0.000000	0.828715	0.000000	1.043364
84 HR	1.366113	0.000000	0.000000	0.828715	0.000000	1.043364
96 HR	1.361172	0.000000	0.000000	0.828715	0.000000	1.043364
108 HR	1.361218	0.000000	0.000000	0.828715	0.000000	1.043364
120 HR	1.361231	0.000000	0.000000	0.828715	0.000000	1.043364
132 HR	1.361235	0.000000	0.000000	0.828715	0.000000	1.043364

SATURATED IODINE 1.373022
SATURATED XENON 0.024729

TIME HOURS	MW/KG		23.40		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000199	0.999856	0.000010	0.000143	0.999159
10 SEC	0.000397	0.999712	0.000020	0.000286	0.983249
30 SEC	0.001192	0.999136	0.000060	0.000843	0.950590
60 SEC	0.002382	0.998272	0.000118	0.001643	0.903616
2 MIN	0.004760	0.996548	0.000229	0.003125	0.816527
5 MIN	0.011870	0.991392	0.000523	0.006751	0.602455
10 MIN	0.023638	0.982857	0.000917	0.010760	0.362950
30 MIN	0.069706	0.949448	0.001968	0.015650	0.047813
60 MIN	0.135889	0.901452	0.003153	0.015607	0.002286
2 HR	0.258387	0.812616	0.005281	0.014105	0.000005
4 HR	0.468356	0.660345	0.008925	0.011462	0.000000
8 HR	0.777633	0.436055	0.014294	0.007569	0.000000
12 HR	0.981861	0.287946	0.017839	0.004998	0.000000
24 HR	1.264585	0.082913	0.022746	0.001439	0.
36 HR	1.345994	0.023875	0.024159	0.000414	0.
48 HR	1.369436	0.006875	0.024566	0.000119	0.
60 HR	1.376185	0.001980	0.024683	0.000034	0.
72 HR	1.378129	0.000570	0.024717	0.000010	0.
84 HR	1.378689	0.000164	0.024727	0.000003	0.
96 HR	1.378850	0.000047	0.024729	0.000001	0.
108 HR	1.378896	0.000014	0.024730	0.000000	0.
120 HR	1.378910	0.000004	0.024730	0.000000	0.
132 HR	1.378914	0.000001	0.024730	0.000000	0.

SATURATED IODINE 1.378915
SATURATED XENON 0.024730

TIME HOURS	MW/KG		23.50		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000199	0.999856	0.000010	0.000143	0.991560
10 SEC	0.000399	0.999712	0.000020	0.000286	0.983179
30 SEC	0.001197	0.999136	0.000060	0.000843	0.950387
60 SEC	0.002392	0.998272	0.000119	0.001643	0.903229
2 MIN	0.004781	0.996548	0.000230	0.003123	0.815828
5 MIN	0.011921	0.991392	0.000524	0.006744	0.601168
10 MIN	0.023739	0.982857	0.000920	0.010741	0.381401
30 MIN	0.070004	0.949448	0.001970	0.015594	0.047203
60 MIN	0.136470	0.901452	0.003155	0.015541	0.002228
2 HR	0.259491	0.812616	0.005283	0.014045	0.000005
4 HR	0.470358	0.660345	0.008927	0.011413	0.000000
8 HR	0.780956	0.436055	0.014295	0.007536	0.000000
12 HR	0.986057	0.287946	0.017840	0.004977	0.000000
24 HR	1.269989	0.082913	0.022747	0.001433	0.
36 HR	1.351746	0.023875	0.024160	0.000413	0.
48 HR	1.375288	0.006875	0.024567	0.000119	0.
60 HR	1.382067	0.001980	0.024684	0.000034	0.
72 HR	1.384019	0.000570	0.024718	0.000010	0.
84 HR	1.384581	0.000164	0.024728	0.000003	0.
96 HR	1.384743	0.000047	0.024731	0.000001	0.
108 HR	1.384789	0.000014	0.024731	0.000000	0.
120 HR	1.384803	0.000004	0.024732	0.000000	0.
132 HR	1.384806	0.000001	0.024732	0.000000	0.

SATURATED IODINE 1.384808
SATURATED XENON 0.024732

TIME HOURS	MW/KG		23.60		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000200	0.999856	0.000010	0.000143	0.991525
10 SEC	0.000401	0.999712	0.000020	0.000286	0.983109
30 SEC	0.001202	0.999136	0.000061	0.000842	0.950184
60 SEC	0.002403	0.998272	0.000119	0.001642	0.902843
2 MIN	0.004801	0.996548	0.000230	0.003122	0.815131
5 MIN	0.011972	0.991392	0.000526	0.006738	0.609884
10 MIN	0.023840	0.982857	0.000922	0.010722	0.359858
30 MIN	0.070302	0.949448	0.001972	0.015538	0.046601
60 MIN	0.137051	0.901452	0.003156	0.015476	0.002172
2 HR	0.260595	0.812616	0.005284	0.013985	0.000005
4 HR	0.472359	0.660345	0.008929	0.011364	0.000000
8 HR	0.784279	0.436055	0.014297	0.007504	0.000000
12 HR	0.990253	0.287946	0.017841	0.004955	0.000000
24 HR	1.275393	0.082913	0.022749	0.001427	0.
36 HR	1.357498	0.023875	0.024162	0.000411	0.
48 HR	1.381140	0.006875	0.024569	0.000118	0.
60 HR	1.387948	0.001980	0.024686	0.000034	0.
72 HR	1.389908	0.000570	0.024719	0.000010	0.
84 HR	1.390473	0.000164	0.024729	0.000003	0.
96 HR	1.390635	0.000047	0.024732	0.000001	0.
108 HR	1.390682	0.000014	0.024733	0.000000	0.
120 HR	1.390695	0.000004	0.024733	0.000000	0.
132 HR	1.390699	0.000001	0.024733	0.000000	0.

SATURATED IODINE 1.390701
SATURATED XENON 0.024733

TIME HOURS	MW/KG		23.70		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000201	0.999856	0.000010	0.000143	0.991489
10 SEC	0.000402	0.999712	0.000020	0.000286	0.983039
30 SEC	0.001207	0.999136	0.000061	0.000842	0.949980
60 SEC	0.002413	0.998272	0.000120	0.001642	0.902457
2 MIN	0.004821	0.996548	0.000231	0.003121	0.814434
5 MIN	0.012022	0.991392	0.000528	0.006731	0.598602
10 MIN	0.023942	0.982857	0.000924	0.010702	0.358322
30 MIN	0.070600	0.949448	0.001974	0.015482	0.046007
60 MIN	0.137631	0.901452	0.003158	0.015412	0.002117
2 HR	0.261699	0.812616	0.005286	0.013925	0.000004
4 HR	0.474361	0.660345	0.008930	0.011316	0.000000
8 HR	0.787602	0.436055	0.014298	0.007473	0.000000
12 HR	0.994449	0.287946	0.017843	0.004934	0.000000
24 HR	1.280798	0.082913	0.022750	0.001421	0.
36 HR	1.363251	0.023875	0.024163	0.000409	0.
48 HR	1.386993	0.006875	0.024570	0.000118	0.
60 HR	1.393829	0.001980	0.024687	0.000034	0.
72 HR	1.395798	0.000570	0.024721	0.000010	0.
84 HR	1.396364	0.000164	0.024730	0.000003	0.
96 HR	1.396528	0.000047	0.024733	0.000001	0.
108 HR	1.396576	0.000014	0.024734	0.000000	0.
120 HR	1.396588	0.000004	0.024734	0.000000	0.
132 HR	1.396592	0.000001	0.024734	0.000000	0.

SATURATED IODINE 1.396594
SATURATED XENON 0.024734

TIME HOURS	IODINE		MW/KG	23.80 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.024736
5 SEC	0.000202	0.999856	0.000010	0.000143	0.991454	0.024935
10 SEC	0.000404	0.999712	0.000021	0.000286	0.982969	0.025134
30 SEC	0.001212	0.999136	0.000061	0.000842	0.949777	0.025932
60 SEC	0.002423	0.998272	0.000120	0.001642	0.902071	0.027126
2 MIN	0.004842	0.996548	0.000232	0.003120	0.813737	0.029509
5 MIN	0.012073	0.991392	0.000529	0.006725	0.597323	0.036616
10 MIN	0.024043	0.982857	0.000927	0.010683	0.356793	0.048319
30 MIN	0.070898	0.949448	0.001976	0.015427	0.045420	0.093389
60 MIN	0.138212	0.901452	0.003160	0.015347	0.002063	0.155989
2 HR	0.262804	0.812616	0.005288	0.013867	0.000004	0.264606
4 HR	0.476362	0.660345	0.008932	0.011268	0.000000	0.425332
8 HR	0.790925	0.436055	0.014300	0.007441	0.000000	0.583459
12 HR	0.998645	0.287946	0.017844	0.004914	0.000000	0.609155
24 HR	1.286202	0.082913	0.022751	0.001415	0.	0.419205
36 HR	1.369003	0.023875	0.024164	0.000407	0.	0.219439
48 HR	1.392845	0.006875	0.024571	0.000117	0.	0.103169
60 HR	1.399710	0.001980	0.024688	0.000034	0.	0.045898
72 HR	1.401687	0.000570	0.024722	0.000010	0.	0.019773
84 HR	1.402256	0.000164	0.024732	0.000003	0.	0.008349
96 HR	1.402420	0.000047	0.024734	0.000001	0.	0.003437
108 HR	1.402467	0.000014	0.024735	0.000000	0.	0.001437
120 HR	1.402481	0.000004	0.024736	0.000000	0.	0.000590
132 HR	1.402485	0.000001	0.024736	0.000000	0.	0.000241

SATURATED IODINE 1.402486
SATURATED XENON 0.024736

TIME HOURS	IODINE		MW/KG	23.90 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.024737
5 SEC	0.000203	0.999856	0.000010	0.000143	0.991419	0.024937
10 SEC	0.000406	0.999712	0.000021	0.000286	0.982899	0.025137
30 SEC	0.001217	0.999136	0.000061	0.000842	0.949574	0.025938
60 SEC	0.002433	0.998272	0.000120	0.001641	0.901685	0.027138
2 MIN	0.004862	0.996548	0.000233	0.003118	0.813042	0.029531
5 MIN	0.012124	0.991392	0.000531	0.006718	0.596047	0.036668
10 MIN	0.024144	0.982857	0.000929	0.010664	0.355270	0.048420
30 MIN	0.071196	0.949448	0.001979	0.015372	0.044841	0.093683
60 MIN	0.138793	0.901452	0.003162	0.015284	0.002011	0.156549
2 HR	0.263908	0.812616	0.005289	0.013808	0.000004	0.265630
4 HR	0.478364	0.660345	0.008933	0.011221	0.000000	0.427043
8 HR	0.794249	0.436055	0.014301	0.007410	0.000000	0.585855
12 HR	1.002841	0.287946	0.017846	0.004893	0.000000	0.611673
24 HR	1.291606	0.082913	0.022753	0.001409	0.	0.420950
36 HR	1.374755	0.023875	0.024165	0.000406	0.	0.220354
48 HR	1.398697	0.006875	0.024572	0.000117	0.	0.103599
60 HR	1.405591	0.001980	0.024689	0.000034	0.	0.046090
72 HR	1.407576	0.000570	0.024723	0.000010	0.	0.019856
84 HR	1.408148	0.000164	0.024733	0.000003	0.	0.008384
96 HR	1.408313	0.000047	0.024736	0.000001	0.	0.003494
108 HR	1.408360	0.000014	0.024737	0.000000	0.	0.001443
120 HR	1.408374	0.000004	0.024737	0.000000	0.	0.000593
132 HR	1.408378	0.000001	0.024737	0.000000	0.	0.000242

SATURATED IODINE 1.408379
SATURATED XENON 0.024737

TIME HOURS	IODINE		MW/KG	24.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.024738
5 SEC	0.000204	0.999856	0.000010	0.000143	0.991383	0.024939
10 SEC	0.000408	0.999712	0.000021	0.000286	0.982829	0.025140
30 SEC	0.001222	0.999136	0.000062	0.000842	0.949371	0.025944
60 SEC	0.002443	0.998272	0.000121	0.001641	0.901300	0.027149
2 MIN	0.004882	0.996548	0.000234	0.003117	0.812346	0.029552
5 MIN	0.012175	0.991392	0.000533	0.006711	0.594773	0.036720
10 MIN	0.024245	0.982857	0.000931	0.010645	0.353753	0.048522
30 MIN	0.071494	0.949448	0.001981	0.015317	0.044269	0.093976
60 MIN	0.139374	0.901452	0.003163	0.015221	0.001960	0.157109
2 HR	0.265012	0.812616	0.005291	0.013751	0.000004	0.266653
4 HR	0.480365	0.660345	0.008935	0.011174	0.000000	0.428755
8 HR	0.797572	0.436055	0.014303	0.007379	0.000000	0.588250
12 HR	1.007037	0.287946	0.017847	0.004872	0.000000	0.614191
24 HR	1.297010	0.082913	0.022754	0.001403	0.	0.422694
36 HR	1.380507	0.023875	0.024167	0.000404	0.	0.221269
48 HR	1.404549	0.006875	0.024574	0.000116	0.	0.104030
60 HR	1.411472	0.001980	0.024691	0.000033	0.	0.046282
72 HR	1.413466	0.000570	0.024724	0.000010	0.	0.019938
84 HR	1.414040	0.000164	0.024734	0.000003	0.	0.008419
96 HR	1.414205	0.000047	0.024737	0.000001	0.	0.003508
108 HR	1.414253	0.000014	0.024738	0.000000	0.	0.001449
120 HR	1.414286	0.000004	0.024738	0.000000	0.	0.000595
132 HR	1.414270	0.000001	0.024738	0.000000	0.	0.000243

SATURATED IODINE 1.414272
SATURATED XENON 0.024738

TIME HOURS	IODINE		MW/KG	24.10 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.024739
5 SEC	0.000204	0.999856	0.000010	0.000143	0.991348	0.024941
10 SEC	0.000408	0.999712	0.000021	0.000286	0.982758	0.025143
30 SEC	0.001227	0.999136	0.000062	0.000842	0.949168	0.025951
60 SEC	0.002454	0.998272	0.000121	0.001641	0.900914	0.027160
2 MIN	0.004903	0.996548	0.000235	0.003116	0.811652	0.029574
5 MIN	0.012225	0.991392	0.000535	0.006705	0.593503	0.036772
10 MIN	0.024346	0.982857	0.000934	0.010626	0.352243	0.048624
30 MIN	0.071792	0.949448	0.001983	0.015263	0.043705	0.094270
60 MIN	0.139954	0.901452	0.003165	0.015158	0.001910	0.157669
2 HR	0.266116	0.812616	0.005293	0.013693	0.000004	0.267676
4 HR	0.482367	0.660345	0.008937	0.011127	0.000000	0.430466
8 HR	0.800895	0.436055	0.014304	0.007348	0.000000	0.590645
12 HR	1.011233	0.287946	0.017848	0.004852	0.000000	0.616709
24 HR	1.302414	0.082913	0.022755	0.001397	0.	0.424439
36 HR	1.386259	0.023875	0.024168	0.000402	0.	0.222184
48 HR	1.410402	0.006875	0.024575	0.000116	0.	0.104461
60 HR	1.417354	0.001980	0.024692	0.000033	0.	0.046474
72 HR	1.419355	0.000570	0.024726	0.000010	0.	0.020021
84 HR	1.419932	0.000164	0.024735	0.000003	0.	0.008454
96 HR	1.420098	0.000047	0.024738	0.000001	0.	0.003523
108 HR	1.420145	0.000014	0.024739	0.000000	0.	0.001455
120 HR	1.420159	0.000004	0.024739	0.000000	0.	0.000598
132 HR	1.420163	0.000001	0.024739	0.000000	0.	0.000244

SATURATED IODINE 1.420165
SATURATED XENON 0.024739

TIME HOURS	IODINE		MW/KG	24.20 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024741
5 SEC	0.000205	0.999856	0.000010	0.000143	0.991313	0.024943
10 SEC	0.000411	0.999712	0.000021	0.000286	0.982688	0.025146
30 SEC	0.001232	0.999136	0.000062	0.000842	0.948965	0.025957
60 SEC	0.002464	0.998272	0.000122	0.001640	0.900529	0.027172
2 MIN	0.004923	0.996548	0.000236	0.003114	0.810958	0.029596
5 MIN	0.012276	0.991392	0.000536	0.006698	0.592235	0.036823
10 MIN	0.024447	0.982857	0.000936	0.010608	0.350740	0.048725
30 MIN	0.072090	0.949448	0.001985	0.015209	0.043148	0.094563
60 MIN	0.140535	0.901452	0.003167	0.015096	0.001862	0.158229
2 HR	0.267221	0.812616	0.005294	0.013636	0.000003	0.268700
4 HR	0.484368	0.660345	0.008938	0.011081	0.000000	0.432177
8 HR	0.804218	0.436055	0.014306	0.007317	0.000000	0.593041
12 HR	1.015429	0.287946	0.017850	0.004832	0.000000	0.619227
24 HR	1.307819	0.082913	0.022756	0.001391	0.	0.426183
36 HR	1.392011	0.023875	0.024169	0.000401	0.	0.223100
48 HR	1.416254	0.006875	0.024576	0.000115	0.	0.104892
60 HR	1.423235	0.001980	0.024693	0.000033	0.	0.046665
72 HR	1.425245	0.000570	0.024727	0.000010	0.	0.020104
84 HR	1.425824	0.000164	0.024737	0.000003	0.	0.008488
96 HR	1.425990	0.000047	0.024739	0.000001	0.	0.003537
108 HR	1.426038	0.000014	0.024740	0.000000	0.	0.001461
120 HR	1.426052	0.000004	0.024740	0.000000	0.	0.000600
132 HR	1.426056	0.000001	0.024741	0.000000	0.	0.000245

SATURATED IODINE 1.426058
SATURATED XENON 0.024741

TIME HOURS	IODINE		MW/KG	24.30	XENON		SHUTDOWN
	A	B	C	D	E	TRANSIENT	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024742	
5 SEC	0.000206	0.999856	0.000011	0.000143	0.991277	0.024945	
10 SEC	0.000413	0.999712	0.000021	0.000286	0.982618	0.025149	
30 SEC	0.001237	0.999136	0.000062	0.000842	0.948762	0.025963	
60 SEC	0.002474	0.998272	0.000122	0.001640	0.900144	0.027183	
2 MIN	0.004943	0.996548	0.000237	0.003113	0.810264	0.029617	
5 MIN	0.012327	0.991392	0.000538	0.006692	0.590970	0.036875	
10 MIN	0.024548	0.982857	0.000938	0.010589	0.349243	0.048827	
30 MIN	0.072388	0.949448	0.001987	0.015155	0.042598	0.094857	
60 MIN	0.141116	0.901452	0.003168	0.015034	0.001815	0.158790	
2 HR	0.268325	0.812616	0.005296	0.013580	0.000003	0.269723	
4 HR	0.486370	0.660345	0.008940	0.011035	0.000000	0.433888	
8 HR	0.807541	0.436055	0.014307	0.007287	0.000000	0.595436	
12 HR	1.019625	0.287946	0.017851	0.004812	0.000000	0.621745	
24 HR	1.313223	0.082913	0.022758	0.001386	0.	0.427928	
36 HR	1.397763	0.023875	0.024170	0.000399	0.	0.224015	
48 HR	1.422106	0.006875	0.024577	0.000115	0.	0.105322	
60 HR	1.429116	0.001980	0.024694	0.000033	0.	0.046857	
72 HR	1.431134	0.000570	0.024728	0.000010	0.	0.020186	
84 HR	1.431715	0.000164	0.024738	0.000003	0.	0.008523	
96 HR	1.431883	0.000047	0.024741	0.000001	0.	0.003552	
108 HR	1.431931	0.000014	0.024741	0.000000	0.	0.001467	
120 HR	1.431945	0.000004	0.024742	0.000000	0.	0.000603	
132 HR	1.431949	0.000001	0.024742	0.000000	0.	0.000246	

SATURATED IODINE 1.431950
SATURATED XENON 0.024742

TIME HOURS	IODINE		MW/KG	24.40	XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E		
0 SEC	0.	1.000000	0.	0.	1.000000	0.024743	
5 SEC	0.000207	0.999856	0.000011	0.000143	0.991242	0.024947	
10 SEC	0.000414	0.999712	0.000021	0.000286	0.982548	0.025152	
30 SEC	0.001243	0.999136	0.000063	0.000842	0.948559	0.025970	
60 SEC	0.002484	0.998272	0.000123	0.001640	0.899759	0.027195	
2 MIN	0.004964	0.996548	0.000237	0.003112	0.809571	0.029639	
5 MIN	0.012378	0.991392	0.000540	0.006685	0.589707	0.036927	
10 MIN	0.024649	0.982857	0.000941	0.010570	0.347752	0.048928	
30 MIN	0.072685	0.949448	0.001989	0.015102	0.042054	0.095150	
60 MIN	0.141698	0.901452	0.003170	0.014973	0.001769	0.159350	
2 HR	0.269429	0.812616	0.005297	0.013524	0.000003	0.270747	
4 HR	0.488371	0.660345	0.008941	0.010990	0.000000	0.435599	
8 HR	0.810865	0.436055	0.014308	0.007257	0.000000	0.597831	
12 HR	1.023821	0.287946	0.017853	0.004792	0.000000	0.624263	
24 HR	1.318627	0.082913	0.022759	0.001380	0.	0.429672	
36 HR	1.403515	0.023875	0.024172	0.000397	0.	0.224930	
48 HR	1.427959	0.006875	0.024578	0.000114	0.	0.105753	
60 HR	1.434997	0.001980	0.024696	0.000033	0.	0.047049	
72 HR	1.437024	0.000570	0.024729	0.000009	0.	0.020269	
84 HR	1.437607	0.000164	0.024739	0.000003	0.	0.008558	
96 HR	1.437775	0.000047	0.024742	0.000001	0.	0.003567	
108 HR	1.437824	0.000014	0.024743	0.000000	0.	0.001473	
120 HR	1.437838	0.000004	0.024743	0.000000	0.	0.000605	
132 HR	1.437842	0.000001	0.024743	0.000000	0.	0.000247	

SATURATED IODINE 1.437843
SATURATED XENON 0.024743

TIME HOURS	IODINE		MW/KG	24.50 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	

0 SEC	0.	1.000000	0.	0.	1.000000	0.024744
5 SEC	0.000208	0.999856	0.000011	0.000143	0.991207	0.024950
10 SEC	0.000416	0.999712	0.000021	0.000286	0.982478	0.025155
30 SEC	0.001248	0.999136	0.000063	0.000842	0.948356	0.025976
60 SEC	0.002494	0.998272	0.000123	0.001639	0.899374	0.027206
2 MIN	0.004984	0.996548	0.000238	0.003111	0.808879	0.029660
5 MIN	0.012428	0.991392	0.000541	0.006679	0.588447	0.036979
10 MIN	0.024750	0.982857	0.000943	0.010551	0.346268	0.049030
30 MIN	0.072983	0.949448	0.001991	0.015049	0.041518	0.095444
60 MIN	0.142277	0.901452	0.003172	0.014913	0.0001724	0.159910
2 HR	0.270533	0.812616	0.005299	0.013469	0.000003	0.271770
4 HR	0.490373	0.660345	0.008943	0.010945	0.000000	0.437310
8 HR	0.814188	0.436055	0.014310	0.007227	0.000000	0.600227
12 HR	1.028017	0.287946	0.017854	0.004773	0.000000	0.626781
24 HR	1.324031	0.082913	0.022760	0.001374	0.	0.431417
36 HR	1.409267	0.023875	0.024173	0.000396	0.	0.225845
48 HR	1.433811	0.006875	0.024580	0.000114	0.	0.106184
60 HR	1.440878	0.001980	0.024697	0.000033	0.	0.047240
72 HR	1.442913	0.000570	0.024731	0.000009	0.	0.020352
84 HR	1.443499	0.000164	0.024740	0.000003	0.	0.008593
96 HR	1.443668	0.000047	0.024743	0.000001	0.	0.003581
108 HR	1.443716	0.000014	0.024744	0.000000	0.	0.001479
120 HR	1.443730	0.000004	0.024744	0.000000	0.	0.000607
132 HR	1.443734	0.000001	0.024744	0.000000	0.	0.000248

SATURATED IODINE 1.443736
SATURATED XENON 0.024744

TIME HOURS	IODINE		MW/KG	24.60		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024745
5 SEC	0.000209	0.999856	0.000011	0.000143	0.991171	0.024952
10 SEC	0.000418	0.999712	0.000021	0.000286	0.982408	0.025158
30 SEC	0.001253	0.999136	0.000063	0.000842	0.948154	0.025982
60 SEC	0.002504	0.998272	0.000124	0.001639	0.898989	0.027217
2 MIN	0.005005	0.996548	0.000239	0.003109	0.808187	0.029682
5 MIN	0.012479	0.991392	0.000543	0.006672	0.587190	0.037030
10 MIN	0.024851	0.982857	0.000945	0.010532	0.344790	0.049132
30 MIN	0.073281	0.949448	0.001993	0.014996	0.040989	0.095737
60 MIN	0.142858	0.901452	0.003173	0.014852	0.001680	0.160470
2 HR	0.271637	0.812616	0.005300	0.013414	0.000003	0.272794
4 HR	0.492374	0.660345	0.008944	0.010900	0.000000	0.439021
8 HR	0.817511	0.436055	0.014311	0.007198	0.000000	0.602622
12 HR	1.032213	0.287946	0.017855	0.004753	0.000000	0.629298
24 HR	1.329436	0.082913	0.022761	0.001369	0.	0.433161
36 HR	1.415020	0.023875	0.024174	0.000394	0.	0.226760
48 HR	1.439663	0.006875	0.024581	0.000113	0.	0.106615
60 HR	1.446759	0.001980	0.024698	0.000033	0.	0.047432
72 HR	1.448803	0.000570	0.024732	0.000009	0.	0.020434
84 HR	1.449391	0.000164	0.024741	0.000003	0.	0.008628
96 HR	1.449560	0.000047	0.024744	0.000001	0.	0.003596
108 HR	1.449609	0.000014	0.024745	0.000000	0.	0.001485
120 HR	1.449623	0.000004	0.024745	0.000000	0.	0.000610
132 HR	1.449627	0.000001	0.024745	0.000000	0.	0.000249

SATURATED IODINE 1.449629
SATURATED XENON 0.024745

TIME HOURS	IODINE		MW/KG	24.70		SHUTDOWN TRANSIENT
	A	B		XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024747
5 SEC	0.000210	0.999856	0.000011	0.000143	0.991136	0.024954
10 SEC	0.000419	0.999712	0.000021	0.000286	0.982338	0.025161
30 SEC	0.001258	0.999136	0.000063	0.000841	0.947951	0.025988
60 SEC	0.002515	0.998272	0.000124	0.001639	0.898605	0.027229
2 MIN	0.005025	0.996548	0.000240	0.003108	0.807496	0.029703
5 MIN	0.012530	0.991392	0.000545	0.006666	0.585935	0.037082
10 MIN	0.024952	0.982857	0.000947	0.010514	0.343318	0.049233
30 MIN	0.073579	0.949448	0.001995	0.014943	0.040466	0.096031
60 MIN	0.143439	0.901452	0.003175	0.014793	0.001638	0.161030
2 HR	0.272742	0.812616	0.005302	0.013359	0.000003	0.273817
4 HR	0.494376	0.660345	0.008946	0.010856	0.000000	0.440732
8 HR	0.820834	0.436055	0.014312	0.007169	0.000000	0.605017
12 HR	1.036409	0.287946	0.017856	0.004734	0.000000	0.631816
24 HR	1.334840	0.082913	0.022763	0.001363	0.	0.434906
36 HR	1.420772	0.023875	0.024175	0.000392	0.	0.227676
48 HR	1.445515	0.006875	0.024582	0.000113	0.	0.107045
60 HR	1.452640	0.001980	0.024699	0.000033	0.	0.047624
72 HR	1.454692	0.000570	0.024733	0.000009	0.	0.020517
84 HR	1.455283	0.000164	0.024743	0.000003	0.	0.008663
96 HR	1.455453	0.000047	0.024745	0.000001	0.	0.003610
108 HR	1.455502	0.000014	0.024746	0.000000	0.	0.001491
120 HR	1.455516	0.000004	0.024746	0.000000	0.	0.000612
132 HR	1.455520	0.000001	0.024747	0.000000	0.	0.000250

SATURATED IODINE 1.455522
SATURATED XENON 0.024747

TIME HOURS	IODINE		MW/KG	24.80		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024748
5 SEC	0.000210	0.999856	0.000011	0.000143	0.991101	0.024956
10 SEC	0.000421	0.999712	0.000021	0.000286	0.982268	0.025164
30 SEC	0.001263	0.999136	0.000064	0.000841	0.947748	0.025995
60 SEC	0.002525	0.998272	0.000125	0.001638	0.898221	0.027240
2 MIN	0.005045	0.996548	0.000241	0.003107	0.806806	0.029725
5 MIN	0.012580	0.991392	0.000546	0.006659	0.584684	0.037134
10 MIN	0.025053	0.982857	0.000950	0.010495	0.341853	0.049335
30 MIN	0.073877	0.949448	0.001997	0.014891	0.039950	0.096324
60 MIN	0.144019	0.901452	0.003177	0.014733	0.001596	0.161590
2 HR	0.273846	0.812616	0.005304	0.013305	0.000003	0.274840
4 HR	0.496377	0.660345	0.008947	0.010812	0.000000	0.442443
8 HR	0.824158	0.436055	0.014314	0.007140	0.000000	0.607412
12 HR	1.040605	0.287946	0.017858	0.004715	0.000000	0.634334
24 HR	1.340244	0.082913	0.022764	0.001358	0.	0.436650
36 HR	1.426524	0.023875	0.024176	0.000391	0.	0.228591
48 HR	1.451368	0.006875	0.024583	0.000113	0.	0.107476
60 HR	1.458522	0.001980	0.024700	0.000032	0.	0.047816
72 HR	1.460581	0.000570	0.024734	0.000009	0.	0.020599
84 HR	1.461175	0.000164	0.024744	0.000003	0.	0.008698
96 HR	1.461345	0.000047	0.024747	0.000001	0.	0.003625
108 HR	1.461395	0.000014	0.024747	0.000000	0.	0.001497
120 HR	1.461409	0.000004	0.024748	0.000000	0.	0.000615
132 HR	1.461413	0.000001	0.024748	0.000000	0.	0.000251

SATURATED IODINE 1.461414
SATURATED XENON 0.024748

TIME HOURS	IODINE		MW/KG	24.90		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024749
5 SEC	0.000211	0.999856	0.000011	0.000143	0.991065	0.024958
10 SEC	0.000423	0.999712	0.000022	0.000286	0.982198	0.025166
30 SEC	0.001268	0.999136	0.000064	0.000841	0.947545	0.026001
60 SEC	0.002535	0.998272	0.000125	0.001638	0.897837	0.027251
2 MIN	0.005066	0.996548	0.000242	0.003105	0.806116	0.029746
5 MIN	0.012631	0.991392	0.000548	0.006653	0.583434	0.037186
10 MIN	0.025154	0.982857	0.000952	0.010477	0.340393	0.049436
30 MIN	0.074175	0.949448	0.001999	0.014840	0.039441	0.096618
60 MIN	0.144600	0.901452	0.003178	0.014675	0.001556	0.162150
2 HR	0.274950	0.812616	0.005305	0.013251	0.000002	0.275864
4 HR	0.498379	0.660345	0.008948	0.010768	0.000000	0.444154
8 HR	0.827481	0.436055	0.014315	0.007111	0.000000	0.609808
12 HR	1.044801	0.287946	0.017859	0.004696	0.000000	0.636852
24 HR	1.345648	0.082913	0.022765	0.001352	0.	0.438395
36 HR	1.432276	0.023875	0.024178	0.000389	0.	0.229506
48 HR	1.457220	0.006875	0.024584	0.000112	0.	0.107907
60 HR	1.464403	0.001980	0.024702	0.000032	0.	0.048007
72 HR	1.466471	0.000570	0.024735	0.000009	0.	0.020682
84 HR	1.467066	0.000164	0.024745	0.000003	0.	0.008733
96 HR	1.467238	0.000047	0.024748	0.000001	0.	0.003639
108 HR	1.467287	0.000014	0.024749	0.000000	0.	0.001503
120 HR	1.467301	0.000004	0.024749	0.000000	0.	0.000617
132 HR	1.467306	0.000001	0.024749	0.000000	0.	0.000252

SATURATED IODINE 1.467307
SATURATED XENON 0.024749

TIME HOURS	MW/KG		29.00		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000246	0.999856	0.000013	0.000143	0.989619
10 SEC	0.000492	0.999712	0.000025	0.000285	0.979331
30 SEC	0.001477	0.999136	0.000074	0.000838	0.939273
60 SEC	0.002952	0.998272	0.000145	0.001624	0.882227
2 MIN	0.005900	0.996548	0.000277	0.003053	0.778331
5 MIN	0.014711	0.991392	0.000614	0.006394	0.534453
10 MIN	0.029296	0.982857	0.001037	0.009756	0.285638
30 MIN	0.086388	0.949448	0.002066	0.012959	0.023305
60 MIN	0.168410	0.901452	0.003233	0.012606	0.000543
2 HR	0.320223	0.812616	0.005358	0.011371	0.000000
4 HR	0.580442	0.660345	0.008999	0.009240	0.000000
8 HR	0.563733	0.436055	0.014363	0.006102	0.000000
12 HR	1.216838	0.287946	0.017904	0.004029	0.
24 HR	1.567222	0.082913	0.022807	0.001160	0.
36 HR	1.668114	0.023875	0.024219	0.000334	0.
48 HR	1.697165	0.006875	0.024625	0.000096	0.
60 HR	1.705530	0.001980	0.024742	0.000028	0.
72 HR	1.707939	0.000570	0.024776	0.000008	0.
84 HR	1.708633	0.000164	0.024786	0.000002	0.
96 HR	1.708832	0.000047	0.024789	0.000001	0.
108 HR	1.708890	0.000014	0.024789	0.000000	0.
120 HR	1.708907	0.000004	0.024790	0.000000	0.
132 HR	1.708911	0.000001	0.024790	0.000000	0.

SATURATED IODINE 1.708913
SATURATED XENON 0.024790

TIME HOURS	MW/KG		30.00		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000255	0.999745	0.000013	0.000143	0.989267
10 SEC	0.000509	0.999471	0.000026	0.000285	0.978633
30 SEC	0.001528	0.999136	0.000076	0.000837	0.937267
60 SEC	0.003054	0.998272	0.000149	0.001620	0.878462
2 MIN	0.006103	0.996548	0.000285	0.003041	0.771701
5 MIN	0.015218	0.991392	0.000630	0.006333	0.523144
10 MIN	0.030306	0.982857	0.001055	0.009591	0.273677
30 MIN	0.089367	0.949448	0.002079	0.012564	0.020498
60 MIN	0.174217	0.901452	0.003244	0.012186	0.000420
2 HR	0.331265	0.812616	0.005369	0.010990	0.000000
4 HR	0.600457	0.660345	0.009010	0.008931	0.000000
8 HR	0.596965	0.436055	0.014372	0.005897	0.000000
12 HR	1.258798	0.287946	0.017913	0.003894	0.
24 HR	1.621264	0.082913	0.022816	0.001121	0.
36 HR	1.725635	0.023875	0.024227	0.000323	0.
48 HR	1.755688	0.006875	0.024634	0.000093	0.
60 HR	1.764342	0.001980	0.024751	0.000027	0.
72 HR	1.766834	0.000570	0.024784	0.000008	0.
84 HR	1.767551	0.000164	0.024794	0.000002	0.
96 HR	1.767758	0.000047	0.024797	0.000001	0.
108 HR	1.767817	0.000014	0.024798	0.000000	0.
120 HR	1.767834	0.000004	0.024798	0.000000	0.
132 HR	1.767839	0.000001	0.024798	0.000000	0.

SATURATED IODINE 1.767841
SATURATED XENON 0.024798

TIME HOURS	MW/KG		31.00		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000263	0.999737	0.000013	0.000143	0.988914
10 SEC	0.000526	0.999472	0.000027	0.000285	0.977936
30 SEC	0.001579	0.999136	0.000079	0.000836	0.935264
60 SEC	0.003156	0.998272	0.000154	0.001617	0.874712
2 MIN	0.006306	0.996548	0.000294	0.003029	0.765127
5 MIN	0.015726	0.991392	0.000645	0.006273	0.512074
10 MIN	0.031316	0.982857	0.001073	0.009431	0.282217
30 MIN	0.092346	0.949448	0.002092	0.012189	0.018030
60 MIN	0.180024	0.901452	0.003255	0.011793	0.000325
2 HR	0.342308	0.812616	0.005379	0.010635	0.000000
4 HR	0.620472	0.660345	0.009019	0.008642	0.000000
8 HR	1.030198	0.436055	0.014381	0.005707	0.000000
12 HR	1.300758	0.287946	0.017922	0.003768	0.
24 HR	1.675306	0.082913	0.022824	0.001085	0.
36 HR	1.783156	0.023875	0.024235	0.000312	0.
48 HR	1.814211	0.006875	0.024641	0.000090	0.
60 HR	1.823153	0.001980	0.024758	0.000026	0.
72 HR	1.825728	0.000570	0.024792	0.000007	0.
84 HR	1.826469	0.000164	0.024802	0.000002	0.
96 HR	1.826683	0.000047	0.024805	0.000001	0.
108 HR	1.826744	0.000014	0.024805	0.000000	0.
120 HR	1.826762	0.000004	0.024806	0.000000	0.
132 HR	1.826767	0.000001	0.024806	0.000000	0.

SATURATED IODINE 1.826769
SATURATED XENON 0.024806

TIME HOURS	MW/KG		32.00		SHUTDOWN TRANSIENT
	IODINE		XENON	E	
	A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000272	0.999728	0.000014	0.000143	0.988562
10 SEC	0.000543	0.999456	0.000028	0.000285	0.977239
30 SEC	0.001630	0.999136	0.000081	0.000835	0.933266
60 SEC	0.003258	0.998272	0.000159	0.001614	0.870978
2 MIN	0.006510	0.996548	0.000302	0.003016	0.758610
5 MIN	0.016233	0.991392	0.000659	0.006213	0.501238
10 MIN	0.032326	0.982857	0.001091	0.009274	0.251237
30 MIN	0.095325	0.949448	0.002103	0.011835	0.015858
60 MIN	0.185832	0.901452	0.003265	0.011424	0.000251
2 HR	0.353350	0.812616	0.005388	0.010301	0.000000
4 HR	0.640487	0.660345	0.009028	0.008371	0.000000
8 HR	1.063430	0.436055	0.014390	0.005528	0.000000
12 HR	1.342717	0.287946	0.017930	0.003650	0.
24 HR	1.729348	0.082913	0.022831	0.001051	0.
36 HR	1.840677	0.023875	0.024242	0.000303	0.
48 HR	1.872734	0.006875	0.024649	0.000087	0.
60 HR	1.881965	0.001980	0.024766	0.000025	0.
72 HR	1.884622	0.000570	0.024799	0.000007	0.
84 HR	1.885388	0.000164	0.024809	0.000002	0.
96 HR	1.885608	0.000047	0.024812	0.000001	0.
108 HR	1.885672	0.000014	0.024813	0.000000	0.
120 HR	1.885690	0.000004	0.024813	0.000000	0.
132 HR	1.885695	0.000001	0.024813	0.000000	0.

SATURATED IODINE 1.885697
SATURATED XENON 0.024813

TIME HOURS	IODINE		MW/KG	33.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.024820
5 SEC	0.000280	0.999856	0.000014	0.000143	0.988210	0.025097
10 SEC	0.000560	0.999712	0.000028	0.000285	0.976542	0.025375
30 SEC	0.001680	0.999136	0.000084	0.000834	0.931272	0.026484
60 SEC	0.003360	0.998272	0.000163	0.001610	0.867261	0.028146
2 MIN	0.006713	0.996548	0.000310	0.003004	0.752147	0.031463
5 MIN	0.016740	0.991392	0.000674	0.006155	0.490632	0.041352
10 MIN	0.033336	0.982857	0.001107	0.009122	0.240717	0.057638
30 MIN	0.098304	0.949448	0.002114	0.011498	0.013948	0.120363
60 MIN	0.191639	0.901452	0.003274	0.011077	0.000195	0.207497
2 HR	0.364392	0.812616	0.005397	0.009988	0.000000	0.358739
4 HR	0.660503	0.660345	0.009037	0.008116	0.000000	0.582735
8 HR	1.096662	0.436055	0.014398	0.005360	0.000000	0.803811
12 HR	1.384677	0.287946	0.017938	0.003539	0.	0.840790
24 HR	1.783390	0.082913	0.022838	0.001019	0.	0.579697
36 HR	1.898198	0.023875	0.024249	0.000293	0.	0.303635
48 HR	1.931257	0.006875	0.024656	0.000084	0.	0.142794
60 HR	1.940776	0.001980	0.024773	0.000024	0.	0.063537
72 HR	1.943517	0.000570	0.024806	0.000007	0.	0.027375
84 HR	1.944308	0.000164	0.024816	0.000002	0.	0.011559
96 HR	1.944533	0.000047	0.024819	0.000001	0.	0.004817
108 HR	1.944599	0.000014	0.024820	0.000000	0.	0.001990
120 HR	1.944618	0.000004	0.024820	0.000000	0.	0.000817
132 HR	1.944623	0.000001	0.024820	0.000000	0.	0.000334

SATURATED IODINE 1.944625
SATURATED XENON 0.024820

TIME HOURS	IODINE		MW/KG	34.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.024826
5 SEC	0.000288	0.999856	0.000015	0.000143	0.987858	0.025112
10 SEC	0.000577	0.999712	0.000029	0.000285	0.975846	0.025398
30 SEC	0.001731	0.999136	0.000086	0.000833	0.929283	0.026542
60 SEC	0.003461	0.998272	0.000168	0.001607	0.863559	0.028255
2 MIN	0.006917	0.996548	0.000318	0.002992	0.745740	0.031672
5 MIN	0.017247	0.991392	0.000688	0.006097	0.480250	0.041864
10 MIN	0.034346	0.982857	0.001123	0.008973	0.230638	0.058648
30 MIN	0.101283	0.949448	0.002124	0.011179	0.012269	0.123292
60 MIN	0.197446	0.901452	0.003282	0.010751	0.000151	0.213094
2 HR	0.375434	0.812616	0.005406	0.009693	0.000000	0.368969
4 HR	0.680518	0.660345	0.009045	0.007877	0.000000	0.599842
8 HR	1.129894	0.436055	0.014405	0.005201	0.000000	0.827761
12 HR	1.426637	0.287946	0.017945	0.003435	0.	0.865966
24 HR	1.837433	0.082913	0.022845	0.000989	0.	0.597141
36 HR	1.955720	0.023875	0.024256	0.000285	0.	0.312786
48 HR	1.989780	0.006875	0.024662	0.000082	0.	0.147101
60 HR	1.999587	0.001980	0.024779	0.000024	0.	0.065455
72 HR	2.002411	0.000570	0.024813	0.000007	0.	0.028201
84 HR	2.003225	0.000164	0.024822	0.000002	0.	0.011908
96 HR	2.003459	0.000047	0.024825	0.000001	0.	0.004963
108 HR	2.003526	0.000014	0.024826	0.000000	0.	0.002050
120 HR	2.003546	0.000004	0.024826	0.000000	0.	0.000842
132 HR	2.003551	0.000001	0.024826	0.000000	0.	0.000344

SATURATED IODINE 2.003553
SATURATED XENON 0.024826

TIME HOURS	IODINE		MW/KG	35.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.024832
5 SEC	0.000297	0.999856	0.000015	0.000143	0.987506	0.025127
10 SEC	0.000594	0.999712	0.000030	0.000285	0.975151	0.025421
30 SEC	0.001782	0.999136	0.000089	0.000832	0.927297	0.026599
60 SEC	0.003563	0.998272	0.000172	0.001604	0.859873	0.028362
2 MIN	0.007120	0.996548	0.000326	0.002980	0.739388	0.031881
5 MIN	0.017755	0.991392	0.000702	0.006040	0.470088	0.042376
10 MIN	0.035357	0.982857	0.001139	0.008827	0.220980	0.059658
30 MIN	0.104262	0.949448	0.002134	0.010876	0.010791	0.126221
60 MIN	0.203253	0.901452	0.003291	0.010443	0.000116	0.218689
2 HR	0.386476	0.812616	0.005414	0.009415	0.000000	0.379198
4 HR	0.700533	0.660345	0.009052	0.007651	0.000000	0.616949
8 HR	1.163126	0.436055	0.014412	0.005052	0.000000	0.851711
12 HR	1.468597	0.287946	0.017951	0.003336	0.	0.891143
24 HR	1.891475	0.082913	0.022851	0.000961	0.	0.614585
36 HR	2.013241	0.023875	0.024262	0.000277	0.	0.321938
48 HR	2.048303	0.006875	0.024668	0.000080	0.	0.151408
60 HR	2.058399	0.001980	0.024785	0.000023	0.	0.067372
72 HR	2.061306	0.000570	0.024819	0.000007	0.	0.029027
84 HR	2.062143	0.000164	0.024828	0.000002	0.	0.012257
96 HR	2.062384	0.000047	0.024831	0.000001	0.	0.005108
108 HR	2.062453	0.000014	0.024832	0.000000	0.	0.002110
120 HR	2.062473	0.000004	0.024832	0.000000	0.	0.000867
132 HR	2.062479	0.000001	0.024832	0.000000	0.	0.000354

SATURATED IODINE 2.062481
SATURATED XENON 0.024832

TIME HOURS	IODINE		MW/KG	36.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.024838
5 SEC	0.000305	0.999856	0.000016	0.000143	0.987154	0.025141
10 SEC	0.000611	0.999712	0.000031	0.000284	0.974456	0.025444
30 SEC	0.001833	0.999136	0.000091	0.000831	0.925316	0.026655
60 SEC	0.003665	0.998272	0.000177	0.001600	0.856202	0.028470
2 MIN	0.007324	0.996548	0.000334	0.002967	0.733089	0.032090
5 MIN	0.018262	0.991392	0.000715	0.005984	0.460140	0.042887
10 MIN	0.036367	0.982857	0.001153	0.008686	0.211177	0.060667
30 MIN	0.107241	0.949448	0.002142	0.010587	0.009491	0.129149
60 MIN	0.209080	0.901452	0.003298	0.010153	0.000090	0.224285
2 HR	0.397519	0.812616	0.005421	0.009153	0.000000	0.389427
4 HR	0.720548	0.660345	0.009059	0.007438	0.000000	0.634055
8 HR	1.196359	0.436055	0.014419	0.004912	0.000000	0.875660
12 HR	1.510557	0.287946	0.017958	0.003243	0.	0.916319
24 HR	1.945517	0.082913	0.022857	0.000934	0.	0.632030
36 HR	2.070762	0.023875	0.024268	0.000269	0.	0.331089
48 HR	2.106826	0.006875	0.024674	0.000077	0.	0.155715
60 HR	2.117210	0.001980	0.024791	0.000022	0.	0.069289
72 HR	2.120200	0.000570	0.024825	0.000006	0.	0.029853
84 HR	2.121061	0.000164	0.024834	0.000002	0.	0.012606
96 HR	2.121309	0.000047	0.024837	0.000001	0.	0.005254
108 HR	2.121381	0.000014	0.024838	0.000000	0.	0.002170
120 HR	2.121401	0.000004	0.024838	0.000000	0.	0.000891
132 HR	2.121407	0.000001	0.024838	0.000000	0.	0.000364

SATURATED IODINE 2.121410
SATURATED XENON 0.024838

TIME HOURS	IODINE		MW/KG	37.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024844
5 SEC	0.000314	0.999856	0.000016	0.000143	0.986803	0.025155
10 SEC	0.000628	0.999712	0.000032	0.000284	0.973761	0.025467
30 SEC	0.001884	0.999136	0.000094	0.000831	0.923340	0.026712
60 SEC	0.003767	0.998272	0.000181	0.001597	0.852548	0.028577
2 MIN	0.007527	0.996548	0.000342	0.002955	0.726845	0.032299
5 MIN	0.018769	0.991392	0.000728	0.005928	0.450404	0.043398
10 MIN	0.037377	0.982857	0.001168	0.008547	0.202861	0.061676
30 MIN	0.110220	0.949448	0.002151	0.010313	0.008348	0.132078
60 MIN	0.214868	0.901452	0.003305	0.009878	0.000070	0.229880
2 HR	0.408561	0.812616	0.005428	0.008905	0.000000	0.399655
4 HR	0.740564	0.660345	0.009066	0.007236	0.000000	0.651161
8 HR	1.229591	0.436055	0.014425	0.004778	0.000000	0.899609
12 HR	1.552517	0.287946	0.017964	0.003155	0.	0.941495
24 HR	1.999559	0.082913	0.022863	0.000909	0.	0.649474
36 HR	2.128283	0.023875	0.024273	0.000262	0.	0.340241
48 HR	2.165349	0.006875	0.024679	0.000075	0.	0.160022
60 HR	2.176022	0.001980	0.024796	0.000022	0.	0.071206
72 HR	2.179095	0.000570	0.024830	0.000006	0.	0.030680
84 HR	2.179980	0.000164	0.024840	0.000002	0.	0.012955
96 HR	2.180235	0.000047	0.024842	0.000001	0.	0.005399
108 HR	2.180308	0.000014	0.024843	0.000000	0.	0.002230
120 HR	2.180329	0.000004	0.024843	0.000000	0.	0.000916
132 HR	2.180335	0.000001	0.024844	0.000000	0.	0.000375

SATURATED IODINE 2.180338
SATURATED XENON 0.024844

TIME HOURS	IODINE		MW/KG	38.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024849
5 SEC	0.000322	0.999856	0.000016	0.000143	0.986451	0.025169
10 SEC	0.000645	0.999712	0.000033	0.000284	0.973067	0.025489
30 SEC	0.001935	0.999136	0.000096	0.000830	0.921367	0.026768
60 SEC	0.003869	0.998272	0.000186	0.001594	0.848909	0.028684
2 MIN	0.007731	0.996548	0.000350	0.002944	0.720653	0.032507
5 MIN	0.019276	0.991392	0.000741	0.005873	0.440873	0.043909
10 MIN	0.038387	0.982857	0.001181	0.008412	0.194367	0.062685
30 MIN	0.113199	0.949448	0.002159	0.010051	0.007343	0.135006
60 MIN	0.220675	0.901452	0.003312	0.009617	0.000054	0.235475
2 HR	0.419603	0.812616	0.005435	0.008670	0.000000	0.409884
4 HR	0.760579	0.660345	0.009073	0.007045	0.000000	0.668267
8 HR	1.262823	0.436055	0.014431	0.004652	0.000000	0.923558
12 HR	1.594477	0.287946	0.017969	0.003072	0.	0.966671
24 HR	2.053601	0.082913	0.022868	0.000885	0.	0.666918
36 HR	2.185804	0.023875	0.024278	0.000255	0.	0.349392
48 HR	2.223872	0.006875	0.024684	0.000073	0.	0.164329
60 HR	2.234833	0.001980	0.024801	0.000021	0.	0.073124
72 HR	2.237989	0.000570	0.024835	0.000006	0.	0.031506
84 HR	2.238898	0.000164	0.024845	0.000002	0.	0.013304
96 HR	2.239160	0.000047	0.024848	0.000000	0.	0.005545
108 HR	2.239235	0.000014	0.024848	0.000000	0.	0.002291
120 HR	2.239257	0.000004	0.024849	0.000000	0.	0.000941
132 HR	2.239263	0.000001	0.024849	0.000000	0.	0.000385

SATURATED IODINE 2.239266
SATURATED XENON 0.024849

TIME HOURS	IODINE		MW/KG	39.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024854
5 SEC	0.000331	0.999856	0.000017	0.000143	0.986100	0.025182
10 SEC	0.000662	0.999712	0.000034	0.000284	0.972374	0.025511
30 SEC	0.001986	0.999136	0.000098	0.000829	0.919399	0.026823
60 SEC	0.003971	0.998272	0.000191	0.001590	0.845285	0.028791
2 MIN	0.007934	0.996548	0.000358	0.002932	0.714514	0.032715
5 MIN	0.019784	0.991392	0.000754	0.005819	0.431544	0.044420
10 MIN	0.039397	0.982857	0.001195	0.008281	0.186228	0.063694
30 MIN	0.116178	0.949448	0.002166	0.009802	0.006459	0.137933
60 MIN	0.226482	0.901452	0.003319	0.009370	0.000042	0.241070
2 HR	0.430645	0.812616	0.005441	0.008447	0.000000	0.420112
4 HR	0.780594	0.660345	0.009079	0.006864	0.000000	0.685373
8 HR	1.296055	0.436055	0.014437	0.004533	0.000000	0.947507
12 HR	1.636437	0.287946	0.017975	0.002993	0.	0.991847
24 HR	2.107643	0.082913	0.022873	0.000862	0.	0.684362
36 HR	2.243325	0.023875	0.024283	0.000248	0.	0.358544
48 HR	2.282394	0.006875	0.024689	0.000071	0.	0.168636
60 HR	2.293644	0.001980	0.024806	0.000021	0.	0.075041
72 HR	2.296884	0.000570	0.024840	0.000006	0.	0.032332
84 HR	2.297816	0.000164	0.024850	0.000002	0.	0.013653
96 HR	2.298085	0.000047	0.024852	0.000000	0.	0.005690
108 HR	2.298162	0.000014	0.024853	0.000000	0.	0.002351
120 HR	2.298185	0.000004	0.024854	0.000000	0.	0.000965
132 HR	2.298191	0.000001	0.024854	0.000000	0.	0.000395

SATURATED IODINE 2.298194
SATURATED XENON 0.024854

TIME HOURS	IODINE		MW/KG	40.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024858
5 SEC	0.000339	0.999856	0.000017	0.000143	0.985749	0.025195
10 SEC	0.000679	0.999712	0.000034	0.000284	0.971681	0.025532
30 SEC	0.002037	0.999136	0.000101	0.000828	0.917434	0.026879
60 SEC	0.004072	0.998272	0.000195	0.001587	0.841677	0.028897
2 MIN	0.008147	0.996548	0.000356	0.002922	0.708428	0.032923
5 MIN	0.020271	0.991392	0.000760	0.005706	0.442412	0.044920
10 MIN	0.040409	0.982857	0.001207	0.008152	0.178430	0.064702
30 MIN	0.119156	0.949448	0.002173	0.009564	0.005681	0.140861
60 MIN	0.232289	0.901452	0.003325	0.009135	0.000032	0.246665
2 HR	0.441687	0.812616	0.005447	0.008235	0.000000	0.430340
4 HR	0.800609	0.660345	0.009084	0.006692	0.000000	0.702479
8 HR	1.329287	0.436055	0.014442	0.004419	0.000000	0.971456
12 HR	1.678397	0.287946	0.017980	0.002918	0.	1.017023
24 HR	2.161685	0.082913	0.022878	0.000840	0.	0.701806
36 HR	2.300646	0.023875	0.024288	0.000242	0.	0.367695
48 HR	2.340917	0.006875	0.024694	0.000070	0.	0.172943
60 HR	2.352458	0.001980	0.024811	0.000020	0.	0.076958
72 HR	2.355778	0.000570	0.024845	0.000006	0.	0.033158
84 HR	2.356735	0.000164	0.024854	0.000002	0.	0.014002
96 HR	2.357010	0.000047	0.024857	0.000000	0.	0.005836
108 HR	2.357090	0.000014	0.024858	0.000000	0.	0.002411
120 HR	2.357112	0.000004	0.024858	0.000000	0.	0.000990
132 HR	2.357119	0.000001	0.024858	0.000000	0.	0.000405

SATURATED IODINE 2.357122
SATURATED XENON 0.024858

TIME HOURS	IODINE		MW/KG	41.00	XENON		SHUTDOWN TRANSIENT
	A	B	C		D	E	
0 SEC	0.	1.000000	0.		0.	1.000000	0.024863
5 SEC	0.000348	0.999856	0.000018		0.000143	0.985398	0.025208
10 SEC	0.000696	0.999712	0.000035		0.000284	0.970988	0.025554
30 SEC	0.002088	0.999136	0.000103		0.000827	0.915474	0.026934
60 SEC	0.004174	0.998272	0.000199		0.001584	0.838084	0.029003
2 MIN	0.008341	0.996548	0.000373		0.002908	0.702393	0.033131
5 MIN	0.020798	0.991392	0.000779		0.005713	0.413474	0.045440
10 MIN	0.041418	0.982857	0.001219		0.008027	0.170959	0.065711
30 MIN	0.122135	0.949448	0.002180		0.009337	0.004997	0.143788
60 MIN	0.238097	0.901452	0.003331		0.008912	0.000025	0.252259
2 HR	0.452729	0.812616	0.005453		0.008034	0.000000	0.440568
4 HR	0.820625	0.660345	0.009090		0.006528	0.000000	0.719584
8 HR	1.362519	0.436055	0.014447		0.004311	0.000000	0.995405
12 HR	1.720357	0.287946	0.017985		0.002847	0.	1.042198
24 HR	2.215727	0.082913	0.022882		0.000820	0.	0.719250
36 HR	2.358368	0.023875	0.024292		0.000236	0.	0.376847
48 HR	2.399440	0.006875	0.024698		0.000068	0.	0.177250
60 HR	2.411267	0.001980	0.024815		0.000020	0.	0.078875
72 HR	2.414673	0.000570	0.024849		0.000006	0.	0.033985
84 HR	2.415653	0.000164	0.024859		0.000002	0.	0.014351
96 HR	2.415936	0.000047	0.024862		0.000000	0.	0.005981
108 HR	2.416017	0.000014	0.024862		0.000000	0.	0.002471
120 HR	2.416040	0.000004	0.024863		0.000000	0.	0.001015
132 HR	2.416047	0.000001	0.024863		0.000000	0.	0.000415

SATURATED IODINE 2.416050
SATURATED XENON 0.024863

TIME HOURS	IODINE		MW/KG	42.00		SHUTDOWN TRANSIENT
	A	B		XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024867
5 SEC	0.000356	0.999856	0.000018	0.000143	0.985047	0.025221
10 SEC	0.000713	0.999712	0.000036	0.000284	0.970296	0.025575
30 SEC	0.002139	0.999136	0.000106	0.000826	0.913519	0.026989
60 SEC	0.004276	0.998272	0.000204	0.001580	0.834507	0.029109
2 MIN	0.008544	0.996548	0.000381	0.002896	0.696410	0.033338
5 MIN	0.021306	0.991392	0.000791	0.005661	0.404725	0.045950
10 MIN	0.042428	0.982857	0.001231	0.007904	0.163800	0.066719
30 MIN	0.125114	0.949448	0.002186	0.009120	0.004395	0.146715
60 MIN	0.243904	0.901452	0.003336	0.008699	0.000019	0.257853
2 HR	0.463772	0.812616	0.005458	0.007842	0.000000	0.450795
4 HR	0.840640	0.660345	0.009095	0.006372	0.000000	0.736690
8 HR	1.395752	0.436055	0.014452	0.004208	0.000000	1.019353
12 HR	1.762317	0.287946	0.017990	0.002779	0.	1.067374
24 HR	2.269770	0.082913	0.022887	0.000800	0.	0.736694
36 HR	2.415889	0.023875	0.024297	0.000230	0.	0.385998
48 HR	2.457983	0.006875	0.024703	0.000066	0.	0.181557
60 HR	2.470078	0.001980	0.024820	0.000019	0.	0.080793
72 HR	2.473587	0.000570	0.024853	0.000005	0.	0.034811
84 HR	2.474572	0.000164	0.024863	0.000002	0.	0.014700
96 HR	2.474861	0.000047	0.024866	0.000000	0.	0.006126
108 HR	2.474944	0.000014	0.024867	0.000000	0.	0.002531
120 HR	2.474988	0.000004	0.024867	0.000000	0.	0.001039
132 HR	2.474975	0.000001	0.024867	0.000000	0.	0.000425

SATURATED IODINE 2.474978
SATURATED XENON 0.024867

TIME HOURS	IODINE		MW/KG	43.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024871
5 SEC	0.000365	0.999856	0.000019	0.000143	0.984696	0.025233
10 SEC	0.000730	0.999712	0.000037	0.000284	0.969604	0.025596
30 SEC	0.002190	0.999136	0.000108	0.000825	0.911567	0.027044
60 SEC	0.004378	0.998272	0.000208	0.001577	0.830945	0.029215
2 MIN	0.008748	0.996548	0.000388	0.002885	0.690477	0.033545
5 MIN	0.021817	0.991392	0.000802	0.005610	0.396161	0.046460
10 MIN	0.043438	0.982857	0.001243	0.007784	0.156941	0.067726
30 MIN	0.128093	0.949448	0.002192	0.008912	0.003866	0.149642
60 MIN	0.249711	0.901452	0.003342	0.008496	0.000015	0.263447
2 HR	0.474814	0.812616	0.005463	0.007659	0.000000	0.461023
4 HR	0.860655	0.660345	0.009100	0.006224	0.000000	0.753795
8 HR	1.428984	0.436055	0.014457	0.004110	0.	1.043302
12 HR	1.804277	0.287946	0.017994	0.002714	0.	1.092549
24 HR	2.323812	0.082913	0.022891	0.000781	0.	0.754138
36 HR	2.473410	0.023875	0.024301	0.000225	0.	0.395149
48 HR	2.516486	0.006875	0.024707	0.000065	0.	0.185864
60 HR	2.528890	0.001980	0.024824	0.000019	0.	0.082710
72 HR	2.532481	0.000570	0.024857	0.000005	0.	0.035637
84 HR	2.533490	0.000164	0.024867	0.000002	0.	0.015049
96 HR	2.533786	0.000047	0.024870	0.000000	0.	0.006272
108 HR	2.533871	0.000014	0.024871	0.000000	0.	0.002591
120 HR	2.533898	0.000004	0.024871	0.000000	0.	0.001064
132 HR	2.533903	0.000001	0.024871	0.000000	0.	0.000435

SATURATED IODINE 2.533906
SATURATED XENON 0.024871

TIME HOURS	IODINE		MW/KG	44.00	XENON	SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024875
5 SEC	0.000373	0.999856	0.000019	0.000143	0.984345	0.025245
10 SEC	0.000747	0.999712	0.000038	0.000284	0.968913	0.025617
30 SEC	0.002241	0.999136	0.000110	0.000824	0.909620	0.027099
60 SEC	0.004480	0.998272	0.000213	0.001574	0.827398	0.029320
2 MIN	0.008951	0.996548	0.000396	0.002873	0.684596	0.033752
5 MIN	0.022320	0.991392	0.000814	0.005560	0.387778	0.046969
10 MIN	0.044448	0.982857	0.001253	0.007668	0.150370	0.068734
30 MIN	0.131072	0.949448	0.002197	0.008714	0.003400	0.152569
60 MIN	0.255518	0.901452	0.003347	0.008303	0.000012	0.269041
2 HR	0.485866	0.812616	0.005468	0.007485	0.000000	0.471250
4 HR	0.880670	0.660345	0.009105	0.006082	0.000000	0.770900
8 HR	1.462216	0.436055	0.014461	0.004016	0.	1.067250
12 HR	1.846237	0.287946	0.017998	0.002652	0.	1.117725
24 HR	2.377854	0.082913	0.022895	0.000764	0.	0.771581
36 HR	2.530931	0.023875	0.024305	0.000220	0.	0.404301
48 HR	2.575009	0.006875	0.024711	0.000063	0.	0.190171
60 HR	2.587701	0.001980	0.024827	0.000018	0.	0.084627
72 HR	2.591356	0.000570	0.024861	0.000005	0.	0.036463
84 HR	2.592408	0.000164	0.024871	0.000002	0.	0.015398
96 HR	2.592711	0.000047	0.024874	0.000000	0.	0.006417
108 HR	2.592799	0.000014	0.024874	0.000000	0.	0.002651
120 HR	2.592824	0.000004	0.024875	0.000000	0.	0.001089
132 HR	2.592831	0.000001	0.024875	0.000000	0.	0.000445

SATURATED IODINE 2.592834
SATURATED XENON 0.024875

TIME HOURS	MW/KG		45.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000382	0.999856	0.000019	0.000143	0.983995
10 SEC	0.000764	0.999712	0.000039	0.000284	0.968223
30 SEC	0.002292	0.999136	0.000113	0.000824	0.907676
60 SEC	0.004581	0.998272	0.000217	0.001571	0.823867
2 MIN	0.009155	0.996548	0.000403	0.002862	0.678764
5 MIN	0.022827	0.991392	0.000825	0.005510	0.379572
10 MIN	0.045459	0.982857	0.001264	0.007553	0.144073
30 MIN	0.134051	0.949448	0.002203	0.008523	0.002991
60 MIN	0.261326	0.901452	0.003352	0.008118	0.000009
2 HR	0.496898	0.812616	0.005473	0.007318	0.000000
4 HR	0.900685	0.660345	0.009109	0.005947	0.000000
8 HR	1.495448	0.436055	0.014465	0.003927	0.
12 HR	1.888196	0.287946	0.018002	0.002593	0.
24 HR	2.431896	0.082913	0.022898	0.000747	0.
36 HR	2.588452	0.023875	0.024308	0.000215	0.
48 HR	2.633532	0.006875	0.024714	0.000062	0.
60 HR	2.646513	0.001980	0.024831	0.000018	0.
72 HR	2.650250	0.000570	0.024865	0.000005	0.
84 HR	2.651327	0.000164	0.024874	0.000001	0.
96 HR	2.651637	0.000047	0.024877	0.000000	0.
108 HR	2.651726	0.000014	0.024878	0.000000	0.
120 HR	2.651752	0.000004	0.024878	0.000000	0.
132 HR	2.651759	0.000001	0.024878	0.000000	0.

SATURATED IODINE 2.651762
SATURATED XENON 0.024878

TIME HOURS	MW/KG		46.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000390	0.999856	0.000020	0.000143	0.983644
10 SEC	0.000781	0.999712	0.000039	0.000283	0.967533
30 SEC	0.002342	0.999136	0.000115	0.000823	0.905737
60 SEC	0.004683	0.998272	0.000221	0.001567	0.820350
2 MIN	0.009358	0.996548	0.000411	0.002850	0.672982
5 MIN	0.022335	0.991392	0.000836	0.005460	0.371540
10 MIN	0.046469	0.982857	0.001274	0.007442	0.138041
30 MIN	0.137030	0.949448	0.002208	0.008341	0.002630
60 MIN	0.267133	0.901452	0.003356	0.007941	0.000007
2 HR	0.507940	0.812616	0.005478	0.007158	0.000000
4 HR	0.920701	0.660345	0.009114	0.005817	0.000000
8 HR	1.528680	0.436055	0.014469	0.003841	0.
12 HR	1.930156	0.287946	0.018006	0.002537	0.
24 HR	2.485938	0.082913	0.022902	0.000730	0.
36 HR	2.645973	0.023875	0.024312	0.000210	0.
48 HR	2.692055	0.006875	0.024718	0.000061	0.
60 HR	2.705324	0.001980	0.024835	0.000017	0.
72 HR	2.709145	0.000570	0.024868	0.000005	0.
84 HR	2.710245	0.000164	0.024878	0.000001	0.
96 HR	2.710562	0.000047	0.024881	0.000000	0.
108 HR	2.710653	0.000014	0.024882	0.000000	0.
120 HR	2.710679	0.000004	0.024882	0.000000	0.
132 HR	2.710687	0.000001	0.024882	0.000000	0.

SATURATED IODINE 2.710690
SATURATED XENON 0.024882

TIME HOURS	MW/KG		47.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000399	0.999856	0.000020	0.000143	0.983294
10 SEC	0.000798	0.999712	0.000040	0.000283	0.966843
30 SEC	0.002393	0.999136	0.000118	0.000822	0.903802
60 SEC	0.004785	0.998272	0.000226	0.001564	0.816848
2 MIN	0.009561	0.996548	0.000418	0.002839	0.667249
5 MIN	0.023842	0.991392	0.000847	0.005412	0.363678
10 MIN	0.047479	0.982857	0.001284	0.007333	0.132260
30 MIN	0.140009	0.949448	0.002213	0.008165	0.002314
60 MIN	0.272940	0.901452	0.003361	0.007772	0.000005
2 HR	0.518982	0.812616	0.005482	0.007006	0.000000
4 HR	0.940716	0.660345	0.009118	0.005693	0.000000
8 HR	1.561913	0.436055	0.014473	0.003759	0.
12 HR	1.972116	0.287946	0.018010	0.002482	0.
24 HR	2.539980	0.082913	0.022905	0.000715	0.
36 HR	2.703495	0.023875	0.024315	0.000206	0.
48 HR	2.750578	0.006875	0.024721	0.000059	0.
60 HR	2.764135	0.001980	0.024838	0.000017	0.
72 HR	2.768039	0.000570	0.024872	0.000005	0.
84 HR	2.769163	0.000164	0.024881	0.000001	0.
96 HR	2.769487	0.000047	0.024884	0.000000	0.
108 HR	2.769580	0.000014	0.024885	0.000000	0.
120 HR	2.769607	0.000004	0.024885	0.000000	0.
132 HR	2.769615	0.000001	0.024885	0.000000	0.

SATURATED IODINE 2.769618
SATURATED XENON 0.024885

TIME HOURS	MW/KG		48.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000407	0.999856	0.000021	0.000143	0.982944
10 SEC	0.000815	0.999712	0.000041	0.000283	0.966154
30 SEC	0.002444	0.999136	0.000120	0.000821	0.901871
60 SEC	0.004887	0.998272	0.000230	0.001561	0.813362
2 MIN	0.009765	0.996548	0.000425	0.002828	0.661565
5 MIN	0.024349	0.991392	0.000857	0.005364	0.365983
10 MIN	0.048489	0.982857	0.001293	0.007227	0.126722
30 MIN	0.142988	0.949448	0.002217	0.007997	0.002035
60 MIN	0.278747	0.901452	0.003365	0.007609	0.000004
2 HR	0.530025	0.812616	0.005486	0.006859	0.000000
4 HR	0.960731	0.660345	0.009122	0.005574	0.000000
8 HR	1.595145	0.436055	0.014477	0.003681	0.
12 HR	2.014076	0.287946	0.018013	0.002431	0.
24 HR	2.594022	0.082913	0.022909	0.000700	0.
36 HR	2.761016	0.023875	0.024318	0.000202	0.
48 HR	2.809101	0.006875	0.024724	0.000058	0.
60 HR	2.822947	0.001980	0.024841	0.000017	0.
72 HR	2.826934	0.000570	0.024875	0.000005	0.
84 HR	2.828082	0.000164	0.024885	0.000001	0.
96 HR	2.828412	0.000047	0.024887	0.000000	0.
108 HR	2.828508	0.000014	0.024888	0.000000	0.
120 HR	2.828535	0.000004	0.024888	0.000000	0.
132 HR	2.828543	0.000001	0.024888	0.000000	0.

SATURATED IODINE 2.828546
SATURATED XENON 0.024888

TIME HOURS	IODINE		MW/KG	49.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	1.000000
5 SEC	0.000416	0.999856	0.000021	0.000143	0.982593	0.025305
10 SEC	0.000832	0.999712	0.000042	0.000283	0.965465	0.025718
30 SEC	0.002495	0.999136	0.000122	0.000820	0.899944	0.027370
60 SEC	0.004989	0.998272	0.000234	0.001558	0.809890	0.029846
2 MIN	0.009988	0.996548	0.000432	0.002816	0.655930	0.034785
5 MIN	0.024856	0.991392	0.000868	0.005316	0.348450	0.049514
10 MIN	0.049499	0.982857	0.001302	0.007123	0.121416	0.073770
30 MIN	0.145967	0.949448	0.002222	0.007836	0.001790	0.167200
60 MIN	0.284555	0.901452	0.003369	0.007454	0.000003	0.297008
2 HR	0.541067	0.812616	0.005490	0.006719	0.000000	0.522384
4 HR	0.980746	0.660345	0.009126	0.005460	0.000000	0.856423
8 HR	1.628377	0.436055	0.014481	0.003606	0.	1.186990
12 HR	2.056036	0.287946	0.018017	0.002381	0.	1.243601
24 HR	2.648064	0.082913	0.022912	0.000686	0.	0.858800
36 HR	2.818537	0.023875	0.024322	0.000197	0.	0.450057
48 HR	2.867624	0.006875	0.024727	0.000057	0.	0.211706
60 HR	2.881758	0.001980	0.024844	0.000016	0.	0.094213
72 HR	2.885828	0.000570	0.024878	0.000005	0.	0.040595
84 HR	2.887000	0.000164	0.024888	0.000001	0.	0.017142
96 HR	2.887338	0.000047	0.024890	0.000000	0.	0.007144
108 HR	2.887435	0.000014	0.024891	0.000000	0.	0.002952
120 HR	2.887463	0.000004	0.024891	0.000000	0.	0.001212
132 HR	2.887471	0.000001	0.024892	0.000000	0.	0.000496

SATURATED IODINE 2.887474
SATURATED XENON 0.024892

TIME HOURS	IODINE		MW/KG	50.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	1.000000
5 SEC	0.000424	0.999856	0.000022	0.000143	0.982243	0.025316
10 SEC	0.000849	0.999712	0.000043	0.000283	0.964777	0.025738
30 SEC	0.002546	0.999136	0.000125	0.000819	0.898022	0.027424
60 SEC	0.005090	0.998272	0.000239	0.001554	0.806433	0.029951
2 MIN	0.010172	0.996548	0.000439	0.002805	0.650342	0.034991
5 MIN	0.025364	0.991392	0.000878	0.005269	0.341077	0.050023
10 MIN	0.050510	0.982857	0.001311	0.007021	0.116332	0.074777
30 MIN	0.148946	0.949448	0.002226	0.007680	0.001574	0.170126
60 MIN	0.290362	0.901452	0.003373	0.007304	0.000002	0.302601
2 HR	0.552109	0.812616	0.005494	0.006584	0.000000	0.532611
4 HR	1.000762	0.660345	0.009129	0.005351	0.000000	0.873527
8 HR	1.661609	0.436055	0.014484	0.003533	0.	1.210938
12 HR	2.097996	0.287946	0.018020	0.002333	0.	1.268776
24 HR	2.702107	0.082913	0.022915	0.000672	0.	0.876244
36 HR	2.876058	0.023875	0.024325	0.000193	0.	0.459209
48 HR	2.826147	0.006875	0.024730	0.000056	0.	0.216013
60 HR	2.840570	0.001980	0.024847	0.000016	0.	0.096130
72 HR	2.844723	0.000570	0.024881	0.000005	0.	0.041421
84 HR	2.845919	0.000164	0.024891	0.000001	0.	0.017491
96 HR	2.846263	0.000047	0.024893	0.000000	0.	0.007290
108 HR	2.846362	0.000014	0.024894	0.000000	0.	0.003012
120 HR	2.846391	0.000004	0.024894	0.000000	0.	0.001237
132 HR	2.846399	0.000001	0.024894	0.000000	0.	0.000506

SATURATED IODINE 2.946402
SATURATED XENON 0.024895

TIME HOURS	IODINE		MW/KG	51.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	1.000000
5 SEC	0.000433	0.999856	0.000022	0.000143	0.981894	0.025328
10 SEC	0.000866	0.999712	0.000044	0.000283	0.964090	0.025758
30 SEC	0.002597	0.999136	0.000127	0.000818	0.896103	0.027478
60 SEC	0.005192	0.998272	0.000243	0.001551	0.802991	0.030055
2 MIN	0.010375	0.996548	0.000446	0.002794	0.644802	0.035197
5 MIN	0.025871	0.991392	0.000888	0.005223	0.333860	0.050531
10 MIN	0.051520	0.982857	0.001319	0.006922	0.111461	0.075783
30 MIN	0.151925	0.949448	0.002230	0.007531	0.001385	0.173052
60 MIN	0.296169	0.901452	0.003377	0.007161	0.000002	0.308194
2 HR	0.563151	0.812616	0.005498	0.006455	0.000000	0.542837
4 HR	1.020777	0.660345	0.009133	0.005245	0.000000	0.890632
8 HR	1.694841	0.436055	0.014487	0.003464	0.	1.234886
12 HR	2.139956	0.287946	0.018023	0.002287	0.	1.293951
24 HR	2.756149	0.082913	0.022918	0.000659	0.	0.893688
36 HR	2.933579	0.023875	0.024327	0.000190	0.	0.468360
48 HR	2.984670	0.006875	0.024733	0.000055	0.	0.220320
60 HR	2.999381	0.001980	0.024850	0.000016	0.	0.098048
72 HR	3.003617	0.000570	0.024884	0.000005	0.	0.042247
84 HR	3.004837	0.000164	0.024893	0.000001	0.	0.017840
96 HR	3.005188	0.000047	0.024896	0.000000	0.	0.007435
108 HR	3.005289	0.000014	0.024897	0.000000	0.	0.003072
120 HR	3.005318	0.000004	0.024897	0.000000	0.	0.001261
132 HR	3.005327	0.000001	0.024897	0.000000	0.	0.000516

SATURATED IODINE 3.005330
SATURATED XENON 0.024897

TIME HOURS	IODINE		MW/KG	52.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	1.000000
5 SEC	0.000441	0.999856	0.000022	0.000143	0.981544	0.025339
10 SEC	0.000883	0.999712	0.000045	0.000283	0.963403	0.025778
30 SEC	0.002648	0.999136	0.000129	0.000818	0.894189	0.027532
60 SEC	0.005294	0.998272	0.000247	0.001548	0.799563	0.030160
2 MIN	0.010579	0.996548	0.000453	0.002783	0.639310	0.035403
5 MIN	0.026378	0.991392	0.000898	0.005178	0.326795	0.051040
10 MIN	0.052530	0.982857	0.001328	0.006825	0.106794	0.076790
30 MIN	0.154903	0.949448	0.002234	0.007387	0.001218	0.175977
60 MIN	0.301976	0.901452	0.003381	0.007023	0.000001	0.313787
2 HR	0.574193	0.812616	0.005501	0.006331	0.000000	0.553063
4 HR	1.040792	0.660345	0.009136	0.005144	0.000000	0.907736
8 HR	1.728073	0.436055	0.014491	0.003397	0.	1.258834
12 HR	2.181916	0.287946	0.018026	0.002243	0.	1.319126
24 HR	2.810191	0.082913	0.022921	0.000646	0.	0.911131
36 HR	2.991100	0.023875	0.024330	0.000186	0.	0.477511
48 HR	3.043193	0.006875	0.024736	0.000054	0.	0.224627
60 HR	3.058192	0.001980	0.024853	0.000015	0.	0.099965
72 HR	3.062512	0.000570	0.024886	0.000004	0.	0.043073
84 HR	3.063755	0.000164	0.024896	0.000001	0.	0.018189
96 HR	3.064113	0.000047	0.024899	0.000000	0.	0.007581
108 HR	3.064216	0.000014	0.024900	0.000000	0.	0.003132
120 HR	3.064246	0.000004	0.024900	0.000000	0.	0.001286
132 HR	3.064255	0.000001	0.024900	0.000000	0.	0.000526

SATURATED IODINE 3.064258
SATURATED XENON 0.024900

TIME HOURS	IODINE		MW/KG	53.00		SHUTDOWN TRANSIENT
			XENON			
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024903
5 SEC	0.000450	0.999856	0.000023	0.000143	0.981194	0.025350
10 SEC	0.000900	0.999712	0.000045	0.000283	0.962716	0.025797
30 SEC	0.002699	0.999136	0.000132	0.000817	0.892279	0.027585
60 SEC	0.005396	0.998272	0.000252	0.001545	0.796150	0.030264
2 MIN	0.010782	0.996548	0.000460	0.002772	0.633864	0.035609
5 MIN	0.026886	0.991392	0.000907	0.005132	0.319880	0.051548
10 MIN	0.053540	0.982857	0.001335	0.006730	0.102322	0.077796
30 MIN	0.157882	0.949448	0.002237	0.007249	0.001071	0.178903
60 MIN	0.207784	0.901452	0.003384	0.006890	0.000001	0.319379
2 HR	0.585236	0.812616	0.005505	0.006211	0.000000	0.563290
4 HR	1.060807	0.660345	0.009140	0.005047	0.000000	0.924840
8 HR	1.761306	0.436055	0.014494	0.003333	0.	1.282781
12 HR	2.223876	0.287946	0.018029	0.002201	0.	1.344301
24 HR	2.864233	0.082913	0.022924	0.000634	0.	0.928575
36 HR	3.048622	0.023875	0.024333	0.000182	0.	0.486662
48 HR	3.101716	0.006875	0.024739	0.000053	0.	0.228934
60 HR	3.117004	0.001980	0.024855	0.000015	0.	0.101882
72 HR	3.121406	0.000570	0.024889	0.000004	0.	0.043900
84 HR	3.122674	0.000164	0.024899	0.000001	0.	0.018538
96 HR	3.123039	0.000047	0.024902	0.000000	0.	0.007726
108 HR	3.123144	0.000014	0.024902	0.000000	0.	0.003192
120 HR	3.123174	0.000004	0.024903	0.000000	0.	0.001311
132 HR	3.123183	0.000001	0.024903	0.000000	0.	0.000536

SATURATED IODINE 3.123186
SATURATED XENON 0.024903

TIME HOURS	IODINE		MW/KG	54.00	XENON	SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024905
5 SEC	0.000458	0.999856	0.000023	0.000143	0.980845	0.025361
10 SEC	0.000917	0.999712	0.000046	0.000283	0.962030	0.025817
30 SEC	0.002750	0.999136	0.000134	0.000816	0.890372	0.027639
60 SEC	0.005498	0.998272	0.000256	0.001542	0.792752	0.030368
2 MIN	0.010988	0.996548	0.000467	0.002761	0.628464	0.035815
5 MIN	0.027393	0.991392	0.000917	0.005088	0.313111	0.052056
10 MIN	0.054550	0.982857	0.001343	0.006637	0.098037	0.078803
30 MIN	0.160861	0.949448	0.002241	0.007115	0.000942	0.181829
60 MIN	0.313591	0.901452	0.003388	0.006762	0.000001	0.324972
2 HR	0.596278	0.812616	0.005508	0.006096	0.000000	0.573516
4 HR	1.080823	0.660345	0.009143	0.004953	0.000000	0.941944
8 HR	1.794538	0.436055	0.014497	0.003271	0.	1.306729
12 HR	2.265836	0.287946	0.018032	0.002160	0.	1.369476
24 HR	2.918275	0.082913	0.022926	0.000622	0.	0.946019
36 HR	3.106143	0.023875	0.024335	0.000179	0.	0.495814
48 HR	3.160239	0.006875	0.024741	0.000052	0.	0.233241
60 HR	3.175815	0.001980	0.024858	0.000015	0.	0.103799
72 HR	3.180300	0.000570	0.024892	0.000004	0.	0.044726
84 HR	3.181592	0.000164	0.024901	0.000001	0.	0.018887
96 HR	3.181964	0.000047	0.024904	0.000000	0.	0.007872
108 HR	3.182071	0.000014	0.024905	0.000000	0.	0.003252
120 HR	3.182102	0.000004	0.024905	0.000000	0.	0.001335
132 HR	3.182111	0.000001	0.024905	0.000000	0.	0.000546

SATURATED IODINE 3.182114
SATURATED XENON 0.024905

TIME HOURS	IODINE		MW/KG	55.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024908
5 SEC	0.000467	0.999856	0.000024	0.000143	0.980496	0.025372
10 SEC	0.000934	0.999712	0.000047	0.000283	0.961344	0.025836
30 SEC	0.002801	0.999136	0.000136	0.000815	0.888470	0.027692
60 SEC	0.005599	0.998272	0.000260	0.001539	0.789368	0.030473
2 MIN	0.011189	0.996548	0.000474	0.002750	0.623111	0.036020
5 MIN	0.027900	0.991392	0.000926	0.005044	0.306486	0.052564
10 MIN	0.055560	0.982857	0.001350	0.006547	0.093932	0.079809
30 MIN	0.163840	0.949448	0.002244	0.006986	0.000829	0.184754
60 MIN	0.319398	0.901452	0.003391	0.006639	0.000001	0.330564
2 HR	0.607320	0.812616	0.005511	0.005985	0.000000	0.583742
4 HR	1.100878	0.660345	0.009146	0.004863	0.000000	0.959048
8 HR	1.827770	0.436055	0.014499	0.003211	0.	1.330677
12 HR	2.307796	0.287946	0.018035	0.002121	0.	1.394651
24 HR	2.972317	0.082913	0.022929	0.000611	0.	0.963462
36 HR	3.163664	0.023875	0.024338	0.000176	0.	0.504965
48 HR	3.218761	0.006875	0.024744	0.000051	0.	0.237548
60 HR	3.234627	0.001980	0.024860	0.000015	0.	0.105716
72 HR	3.239195	0.000570	0.024894	0.000004	0.	0.045562
84 HR	3.240510	0.000164	0.024904	0.000001	0.	0.019236
96 HR	3.240889	0.000047	0.024907	0.000000	0.	0.008017
108 HR	3.240998	0.000014	0.024907	0.000000	0.	0.003312
120 HR	3.241030	0.000004	0.024908	0.000000	0.	0.001360
132 HR	3.241039	0.000001	0.024908	0.000000	0.	0.000556

SATURATED IODINE 3.241042
SATURATED XENON 0.024908

TIME HOURS	IODINE		MW/KG	56.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024910
5 SEC	0.000475	0.999856	0.000024	0.000143	0.980146	0.025383
10 SEC	0.000951	0.999712	0.000048	0.000282	0.960659	0.025856
30 SEC	0.002852	0.999136	0.000139	0.000814	0.886572	0.027745
60 SEC	0.005701	0.998272	0.000264	0.001535	0.785999	0.030577
2 MIN	0.011392	0.996548	0.000481	0.002739	0.617803	0.036226
5 MIN	0.028407	0.991392	0.000935	0.005001	0.300000	0.053073
10 MIN	0.056571	0.982857	0.001357	0.006458	0.089999	0.080815
30 MIN	0.166819	0.949448	0.002248	0.006862	0.000729	0.187679
60 MIN	0.325205	0.901452	0.003394	0.006520	0.000001	0.336157
2 HR	0.618362	0.812616	0.005514	0.005878	0.000000	0.593968
4 HR	1.120853	0.660345	0.009149	0.004776	0.000000	0.976152
8 HR	1.861002	0.436055	0.014502	0.003154	0.	1.354624
12 HR	2.349756	0.287946	0.018037	0.002083	0.	1.419826
24 HR	3.026359	0.082913	0.022931	0.000600	0.	0.980906
36 HR	3.221185	0.023875	0.024340	0.000173	0.	0.514116
48 HR	3.277284	0.006875	0.024746	0.000050	0.	0.241855
60 HR	3.293438	0.001980	0.024863	0.000014	0.	0.107634
72 HR	3.298089	0.000570	0.024896	0.000004	0.	0.046378
84 HR	3.299429	0.000164	0.024906	0.000001	0.	0.019585
96 HR	3.299814	0.000047	0.024909	0.000000	0.	0.008163
108 HR	3.299925	0.000014	0.024910	0.000000	0.	0.003372
120 HR	3.299957	0.000004	0.024910	0.000000	0.	0.001385
132 HR	3.299967	0.000001	0.024910	0.000000	0.	0.000566

SATURATED IODINE 3.299970
SATURATED XENON 0.024910

TIME HOURS	IODINE		MW/KG	57.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024912
5 SEC	0.000484	0.999856	0.000025	0.000143	0.979797	0.025393
10 SEC	0.000968	0.999712	0.000049	0.000282	0.959974	0.025875
30 SEC	0.002903	0.999136	0.000141	0.000813	0.884678	0.027798
60 SEC	0.005803	0.998272	0.000268	0.001532	0.782644	0.030681
2 MIN	0.011596	0.996548	0.000487	0.002729	0.612540	0.036431
5 MIN	0.028915	0.991392	0.000943	0.004958	0.293652	0.053580
10 MIN	0.057581	0.982857	0.001364	0.006371	0.086230	0.081821
30 MIN	0.169798	0.949448	0.002251	0.006742	0.000641	0.190604
60 MIN	0.331012	0.901452	0.003397	0.006405	0.000000	0.341749
2 HR	0.629404	0.812616	0.005517	0.005774	0.000000	0.604194
4 HR	1.140868	0.660345	0.009152	0.004692	0.000000	0.993256
8 HR	1.894234	0.436055	0.014505	0.003098	0.	1.378572
12 HR	2.391716	0.287946	0.018040	0.002046	0.	1.445001
24 HR	3.080402	0.082913	0.022933	0.000589	0.	0.998350
36 HR	3.278706	0.023875	0.024343	0.000170	0.	0.523268
48 HR	3.335807	0.006875	0.024748	0.000049	0.	0.264162
60 HR	3.352249	0.001980	0.024865	0.000014	0.	0.109551
72 HR	3.356984	0.000570	0.024899	0.000004	0.	0.047204
84 HR	3.358347	0.000164	0.024908	0.000001	0.	0.019934
96 HR	3.358740	0.000047	0.024911	0.000000	0.	0.008308
108 HR	3.358853	0.000014	0.024912	0.000000	0.	0.003432
120 HR	3.358885	0.000004	0.024912	0.000000	0.	0.001409
132 HR	3.358895	0.000001	0.024912	0.000000	0.	0.000576

SATURATED IODINE 3.358898
SATURATED XENON 0.024912

	MW/KG		58.00			
TIME	IODINE		XENON			SHUTDOWN
HOURS	A	B	C	D	E	TRANSIENT

0 SEC	0.	1.000000	0.	0.	1.000000	0.024915
5 SEC	0.000492	0.999856	0.000025	0.000143	0.979448	0.025404
10 SEC	0.000985	0.999712	0.000050	0.000282	0.959290	0.025894
30 SEC	0.002954	0.999136	0.000143	0.000812	0.882788	0.027852
60 SEC	0.005905	0.998272	0.000272	0.001529	0.779303	0.030785
2 MIN	0.011799	0.996548	0.000494	0.002718	0.607322	0.036637
5 MIN	0.029422	0.991392	0.000952	0.004916	0.287438	0.054088
10 MIN	0.058591	0.982857	0.001370	0.006286	0.082620	0.082827
30 MIN	0.172777	0.949448	0.002254	0.006626	0.000564	0.193530
60 MIN	0.336820	0.901452	0.003400	0.006295	0.000000	0.347342
2 HR	0.640446	0.812616	0.005520	0.005674	0.000000	0.614419
4 HR	1.160884	0.660345	0.009154	0.004611	0.000000	1.010360
8 HR	1.927467	0.436055	0.014507	0.003045	0.	1.402519
12 HR	2.433675	0.287946	0.018042	0.002011	0.	1.470176
24 HR	3.134444	0.082913	0.022936	0.000579	0.	1.015793
36 HR	3.336227	0.023875	0.024345	0.000167	0.	0.532419
48 HR	3.394330	0.006875	0.024750	0.000048	0.	0.250469
60 HR	3.411061	0.001980	0.024867	0.000014	0.	0.111468
72 HR	3.415878	0.000570	0.024901	0.000004	0.	0.048031
84 HR	3.417266	0.000164	0.024911	0.000001	0.	0.020283
96 HR	3.417685	0.000047	0.024913	0.000000	0.	0.008453
108 HR	3.417780	0.000014	0.024914	0.000000	0.	0.003492
120 HR	3.417813	0.000004	0.024914	0.000000	0.	0.001434
132 HR	3.417823	0.000001	0.024915	0.000000	0.	0.000586

SATURATED IODINE 3.417826
SATURATED XENON 0.024915

	IODINE		MW/KG	59.00	XENON		SHUTDOWN
TIME HOURS	A	B	C		D	E	TRANSIENT
0 SEC	0.	1.000000	0.		0.	1.000000	0.024917
5 SEC	0.000501	0.999856	0.000025		0.000142	0.979099	0.025415
10 SEC	0.001002	0.999712	0.000050		0.000282	0.958606	0.025913
30 SEC	0.003004	0.999136	0.000146		0.000812	0.880902	0.027905
60 SEC	0.006007	0.998272	0.000277		0.001526	0.775977	0.030888
2 MIN	0.012003	0.996548	0.000500		0.002707	0.602149	0.036842
5 MIN	0.029929	0.991392	0.000961		0.004874	0.281356	0.054596
10 MIN	0.059601	0.982857	0.001377		0.006203	0.079160	0.083833
30 MIN	0.175756	0.949448	0.002257		0.006514	0.000496	0.196455
60 MIN	0.342627	0.901452	0.003403		0.006188	0.000000	0.352934
2 HR	0.651489	0.812616	0.005523		0.005578	0.000000	0.624645
4 HR	1.180899	0.660345	0.009157		0.004533	0.000000	1.027464
8 HR	1.960699	0.436055	0.014510		0.002993	0.	1.426467
12 HR	2.475635	0.287946	0.018045		0.001977	0.	1.495350
24 HR	3.188486	0.082913	0.022938		0.000569	0.	1.033237
36 HR	3.393749	0.023875	0.024347		0.000164	0.	0.541570
48 HR	3.452853	0.006875	0.024753		0.000047	0.	0.254776
60 HR	3.469872	0.001980	0.024869		0.000014	0.	0.113385
72 HR	3.474773	0.000570	0.024903		0.000004	0.	0.048857
84 HR	3.476184	0.000164	0.024913		0.000001	0.	0.020632
96 HR	3.476590	0.000047	0.024916		0.000000	0.	0.008599
108 HR	3.476707	0.000014	0.024916		0.000000	0.	0.003552
120 HR	3.476741	0.000004	0.024917		0.000000	0.	0.001459
132 HR	3.476751	0.000001	0.024917		0.000000	0.	0.000597

SATURATED IODINE 3.476754
SATURATED XENON 0.024917

		MW/KG		60.00		
TIME HOURS	IODINE		XENON		SHUTDOWN TRANSIENT	
	A	B	C	D		E

0 SEC	0.	1.000000	0.	0.	1.000000	0.024919
5 SEC	0.000509	0.999856	0.000026	0.000142	0.978751	0.025425
10 SEC	0.001019	0.999712	0.000051	0.000282	0.957923	0.025932
30 SEC	0.003055	0.999136	0.000148	0.000811	0.879020	0.027958
60 SEC	0.006108	0.998272	0.000281	0.001523	0.772664	0.030992
2 MIN	0.012206	0.996548	0.000507	0.002697	0.597020	0.037047
5 MIN	0.030437	0.991392	0.000969	0.004833	0.275403	0.055104
10 MIN	0.060611	0.982857	0.001383	0.006122	0.075845	0.084839
30 MIN	0.178735	0.949448	0.002260	0.006466	0.000436	0.199380
60 MIN	0.348434	0.901452	0.003405	0.006085	0.000000	0.358526
2 HR	0.662531	0.812616	0.005526	0.005485	0.000000	0.634871
4 HR	1.200914	0.660345	0.009160	0.004457	0.000000	1.044567
8 HR	1.993931	0.436055	0.014512	0.002943	0.	1.450414
12 HR	2.517595	0.287946	0.018047	0.001944	0.	1.520525
24 HR	3.242528	0.082913	0.022940	0.000560	0.	1.050680
36 HR	3.451270	0.023875	0.024349	0.000161	0.	0.550721
48 HR	3.511376	0.006875	0.024755	0.000046	0.	0.259083
60 HR	3.528684	0.001980	0.024872	0.000013	0.	0.115302
72 HR	3.533667	0.000570	0.024905	0.000004	0.	0.049683
84 HR	3.535102	0.000164	0.024915	0.000001	0.	0.020981
96 HR	3.535515	0.000047	0.024918	0.000000	0.	0.008744
108 HR	3.535634	0.000014	0.024918	0.000000	0.	0.003613
120 HR	3.535669	0.000004	0.024919	0.000000	0.	0.001483
132 HR	3.535679	0.000001	0.024919	0.000000	0.	0.000607

SATURATED IODINE 3.535683
SATURATED XENON 0.024919

	MW/KG		61.00		
TIME	IODINE		XENON		SHUTDOWN
HOURS	A	B	C	D	TRANSIENT
0 SEC	0.	1.000000	0.	0.	0.024921
5 SEC	0.000518	0.999856	0.000026	0.000142	0.025436
10 SEC	0.001036	0.999712	0.000052	0.000282	0.025951
30 SEC	0.003106	0.999136	0.000150	0.000810	0.028010
60 SEC	0.006210	0.998272	0.000285	0.001520	0.031096
2 MIN	0.012410	0.996548	0.000513	0.002686	0.037252
5 MIN	0.030944	0.991392	0.000977	0.004792	0.055612
10 MIN	0.061622	0.982857	0.001389	0.006043	0.085845
30 MIN	0.181714	0.949448	0.002262	0.006301	0.202305
60 MIN	0.354241	0.901452	0.003408	0.005985	0.364118
2 HR	0.673573	0.812616	0.005528	0.005395	0.645097
4 HR	1.220929	0.660345	0.009162	0.004384	1.061671
8 HR	2.027163	0.436055	0.014515	0.002895	1.474361
12 HR	2.559555	0.287946	0.018049	0.001912	1.545700
24 HR	3.296570	0.082913	0.022942	0.000550	1.068124
36 HR	3.508791	0.023875	0.024351	0.000158	0.559873
48 HR	3.569899	0.006875	0.024757	0.000046	0.263389
60 HR	3.587495	0.001980	0.024873	0.000013	0.117220
72 HR	3.592562	0.000570	0.024907	0.000004	0.050509
84 HR	3.594021	0.000164	0.024917	0.000001	0.021330
96 HR	3.594441	0.000047	0.024920	0.000000	0.008890
108 HR	3.594562	0.000014	0.024920	0.000000	0.003673
120 HR	3.594596	0.000004	0.024921	0.000000	0.001508
132 HR	3.594606	0.000001	0.024921	0.000000	0.000615

SATURATED IODINE 3.594611
SATURATED XENON 0.024921

		MW/KG		62.00			
TIME HOURS	IODINE		XENON		E	SHUTDOWN TRANSIENT	
	A	B	C	D			
0 SEC	0.	1.000000	0.	0.	1.000000	0.024923	
5 SEC	0.000526	0.999856	0.000027	0.000142	0.978054	0.025446	
10 SEC	0.001053	0.999712	0.000053	0.000282	0.956558	0.025970	
30 SEC	0.003157	0.999136	0.000153	0.000809	0.875268	0.028053	
60 SEC	0.006312	0.998272	0.000289	0.001517	0.766082	0.031200	
2 MIN	0.012613	0.996548	0.000520	0.002676	0.586892	0.037457	
5 MIN	0.031451	0.991392	0.000985	0.004752	0.263871	0.056119	
10 MIN	0.062632	0.982857	0.001394	0.005965	0.069627	0.086851	
30 MIN	0.184693	0.949448	0.002265	0.006199	0.000338	0.205230	
60 MIN	0.360049	0.901452	0.003411	0.005888	0.000000	0.369710	
2 HR	0.684615	0.812616	0.005531	0.005308	0.000000	0.655322	
4 HR	1.240944	0.660345	0.009164	0.004313	0.000000	1.078775	
8 HR	2.060395	0.436055	0.014517	0.002848	0.	1.498309	
12 HR	2.601515	0.287946	0.018051	0.001881	0.	1.570874	
24 HR	3.350612	0.082913	0.022944	0.000542	0.	1.085567	
36 HR	3.566312	0.023875	0.024353	0.000156	0.	0.569024	
48 HR	3.628422	0.006875	0.024759	0.000045	0.	0.267696	
60 HR	3.646306	0.001980	0.024875	0.000013	0.	0.119137	
72 HR	3.651456	0.000570	0.024909	0.000004	0.	0.051336	
84 HR	3.652939	0.000164	0.024919	0.000001	0.	0.021679	
96 HR	3.653366	0.000047	0.024922	0.000000	0.	0.009035	
108 HR	3.653489	0.000014	0.024922	0.000000	0.	0.003733	
120 HR	3.653524	0.000004	0.024923	0.000000	0.	0.001533	
132 HR	3.653534	0.000001	0.024923	0.000000	0.	0.000627	

SATURATED IODINE 3.653535
SATURATED XENON 0.024923

	MW/KG		63.00		
TIME	IODINE		XENON		SHUTDOWN
HOURS	A	B	C	D	TRANSIENT
	-----	-----	-----	-----	-----
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000535	0.999856	0.000027	0.000142	0.977705
10 SEC	0.001070	0.999712	0.000054	0.000282	0.955878
30 SEC	0.003208	0.999136	0.000155	0.000808	0.873398
60 SEC	0.006414	0.998272	0.000293	0.001513	0.762812
2 MIN	0.012816	0.996548	0.000526	0.002665	0.581892
5 MIN	0.031958	0.991392	0.000993	0.004712	0.258287
10 MIN	0.063642	0.982857	0.001400	0.005889	0.066711
30 MIN	0.187671	0.949448	0.002267	0.006101	0.000297
60 MIN	0.365856	0.901452	0.003413	0.005794	0.000000
2 HR	0.695657	0.812616	0.005533	0.005223	0.000000
4 HR	1.260960	0.660345	0.009167	0.004245	0.000000
8 HR	2.093627	0.436055	0.014519	0.002803	0.
12 HR	2.643475	0.287946	0.018053	0.001851	0.
24 HR	3.404654	0.082913	0.022946	0.000533	0.
36 HR	3.623833	0.023875	0.024355	0.000153	0.
48 HR	3.686945	0.006875	0.024760	0.000044	0.
60 HR	3.705118	0.001980	0.024877	0.000013	0.
72 HR	3.710351	0.000570	0.024911	0.000004	0.
84 HR	3.711857	0.000164	0.024921	0.000001	0.
96 HR	3.712291	0.000047	0.024923	0.000000	0.
108 HR	3.712416	0.000014	0.024924	0.000000	0.
120 HR	3.712452	0.000004	0.024924	0.000000	0.
132 HR	3.712462	0.000001	0.024925	0.000000	0.

SATURATED IODINE 3.712467
SATURATED XENON 0.024925

TIME HOURS	IODINE		MW/KG	64.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024926
5 SEC	0.000543	0.999856	0.000028	0.000142	0.977357	0.025467
10 SEC	0.001087	0.999712	0.000055	0.000282	0.955195	0.026008
30 SEC	0.003259	0.999136	0.000157	0.000807	0.871532	0.028169
60 SEC	0.006516	0.998272	0.000297	0.001510	0.759556	0.031407
2 MIN	0.013020	0.996548	0.000532	0.002655	0.576935	0.037867
5 MIN	0.032466	0.991392	0.001000	0.004673	0.252822	0.057134
10 MIN	0.064652	0.982857	0.001405	0.005814	0.063918	0.088862
30 MIN	0.190650	0.949448	0.002270	0.006006	0.000261	0.211079
60 MIN	0.371663	0.901452	0.003416	0.005704	0.000000	0.380894
2 HR	0.706700	0.812616	0.005535	0.005142	0.000000	0.675773
4 HR	1.280975	0.660345	0.009169	0.004178	0.000000	1.112982
8 HR	2.126860	0.436055	0.014521	0.002759	0.	1.546203
12 HR	2.685435	0.287946	0.018055	0.001822	0.	1.621224
24 HR	3.458696	0.082913	0.022948	0.000525	0.	1.120454
36 HR	3.681354	0.023875	0.024357	0.000151	0.	0.587326
48 HR	3.745468	0.006875	0.024762	0.000043	0.	0.276310
60 HR	3.763929	0.001980	0.024879	0.000013	0.	0.122971
72 HR	3.769245	0.000570	0.024913	0.000004	0.	0.052988
84 HR	3.770778	0.000164	0.024922	0.000001	0.	0.022377
96 HR	3.771216	0.000047	0.024925	0.000000	0.	0.009326
108 HR	3.771343	0.000014	0.024926	0.000000	0.	0.003853
120 HR	3.771380	0.000004	0.024926	0.000000	0.	0.001582
132 HR	3.771390	0.000001	0.024926	0.000000	0.	0.000647

SATURATED IODINE 3.771395
SATURATED XENON 0.024926

TIME HOURS	IODINE		MW/KG	65.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024928
5 SEC	0.000552	0.999856	0.000028	0.000142	0.977009	0.025477
10 SEC	0.001104	0.999712	0.000055	0.000282	0.954514	0.026026
30 SEC	0.003310	0.999136	0.000160	0.000807	0.869671	0.028221
60 SEC	0.006618	0.998272	0.000301	0.001507	0.756314	0.031510
2 MIN	0.013223	0.996548	0.000539	0.002645	0.572021	0.038072
5 MIN	0.032973	0.991392	0.001008	0.004634	0.247472	0.057642
10 MIN	0.065662	0.982857	0.001410	0.005741	0.061241	0.089868
30 MIN	0.193629	0.949448	0.002272	0.005913	0.000230	0.214004
60 MIN	0.377470	0.901452	0.003418	0.005616	0.000000	0.386486
2 HR	0.717742	0.812616	0.005538	0.005062	0.000000	0.685999
4 HR	1.360990	0.660345	0.009171	0.004114	0.000000	1.130085
8 HR	2.160092	0.436055	0.014523	0.002716	0.	1.570150
12 HR	2.727395	0.287946	0.018057	0.001794	0.	1.646398
24 HR	3.512739	0.082913	0.022950	0.000517	0.	1.137898
36 HR	3.738875	0.023875	0.024358	0.000149	0.	0.596477
48 HR	3.803991	0.006875	0.024764	0.000043	0.	0.280617
60 HR	3.822741	0.001980	0.024881	0.000012	0.	0.124888
72 HR	3.828139	0.000570	0.024914	0.000004	0.	0.053814
84 HR	3.829694	0.000164	0.024924	0.000001	0.	0.022725
96 HR	3.830142	0.000047	0.024927	0.000000	0.	0.009472
108 HR	3.830271	0.000014	0.024928	0.000000	0.	0.003913
120 HR	3.830308	0.000004	0.024928	0.000000	0.	0.001607
132 HR	3.830318	0.000001	0.024928	0.000000	0.	0.000657

SATURATED IODINE 3.830323
SATURATED XENON 0.024928

TIME HOURS	IODINE		MW/KG	66.00		SHUTDOWN TRANSIENT
	A	B		C	XENON D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024930
5 SEC	0.000560	0.999856	0.000028	0.000142	0.976661	0.025487
10 SEC	0.001121	0.999712	0.000056	0.000281	0.953834	0.026045
30 SEC	0.003361	0.999136	0.000162	0.000806	0.867813	0.028274
60 SEC	0.006719	0.998272	0.000305	0.001504	0.753086	0.031614
2 MIN	0.013427	0.996548	0.000545	0.002634	0.567148	0.038277
5 MIN	0.033480	0.991392	0.001015	0.004596	0.242235	0.058149
10 MIN	0.066673	0.982857	0.001415	0.005670	0.058677	0.090873
30 MIN	0.196608	0.949448	0.002275	0.005824	0.000202	0.216929
60 MIN	0.383278	0.901452	0.003420	0.005531	0.000000	0.392078
2 HR	0.728784	0.812616	0.005540	0.004986	0.000000	0.696224
4 HR	1.321005	0.660345	0.009173	0.004051	0.000000	1.147189
8 HR	2.193324	0.436055	0.014525	0.002675	0.	1.594097
12 HR	2.769355	0.287946	0.018059	0.001767	0.	1.671573
24 HR	3.566781	0.082913	0.022951	0.000509	0.	1.155341
36 HR	3.796397	0.023875	0.024360	0.000146	0.	0.605629
48 HR	3.862514	0.006875	0.024766	0.000042	0.	0.284924
60 HR	3.881552	0.001980	0.024883	0.000012	0.	0.126806
72 HR	3.887034	0.000570	0.024916	0.000003	0.	0.054640
84 HR	3.888612	0.000164	0.024926	0.000001	0.	0.023074
96 HR	3.889067	0.000047	0.024929	0.000000	0.	0.009617
108 HR	3.889198	0.000014	0.024929	0.000000	0.	0.003973
120 HR	3.889236	0.000004	0.024930	0.000000	0.	0.001632
132 HR	3.889246	0.000001	0.024930	0.000000	0.	0.000667

SATURATED IODINE 3.889251
SATURATED XENON 0.024930

TIME HOURS	IODINE		MW/KG	67.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024931
5 SEC	0.000568	0.999856	0.000029	0.000142	0.976313	0.025497
10 SEC	0.001138	0.999712	0.000057	0.000281	0.953154	0.026064
30 SEC	0.003412	0.999136	0.000164	0.000805	0.865959	0.028327
60 SEC	0.006821	0.998272	0.000309	0.001501	0.749871	0.031717
2 MIN	0.013630	0.996548	0.000551	0.002624	0.562317	0.038482
5 MIN	0.033987	0.991392	0.001022	0.004558	0.237110	0.058656
10 MIN	0.067683	0.982857	0.001420	0.005600	0.056220	0.091879
30 MIN	0.199587	0.949448	0.002277	0.005737	0.000178	0.219853
60 MIN	0.389085	0.901452	0.003422	0.005448	0.000000	0.397670
2 HR	0.739826	0.812616	0.005542	0.004911	0.000000	0.706450
4 HR	1.341021	0.660345	0.009175	0.003991	0.000000	1.164292
8 HR	2.226556	0.436055	0.014527	0.002635	0.	1.618044
12 HR	2.811315	0.287946	0.018061	0.001740	0.	1.696748
24 HR	3.620823	0.082913	0.022953	0.000501	0.	1.172785
36 HR	3.853918	0.023875	0.024362	0.000144	0.	0.614780
48 HR	3.921037	0.006875	0.024767	0.000042	0.	0.289231
60 HR	3.940363	0.001980	0.024884	0.000012	0.	0.128723
72 HR	3.945928	0.000570	0.024918	0.000003	0.	0.055467
84 HR	3.947531	0.000164	0.024928	0.000001	0.	0.023423
96 HR	3.947992	0.000047	0.024930	0.000000	0.	0.009762
108 HR	3.948125	0.000014	0.024931	0.000000	0.	0.004033
120 HR	3.948163	0.000004	0.024931	0.000000	0.	0.001656
132 HR	3.948174	0.000001	0.024931	0.000000	0.	0.000677

SATURATED IODINE 3.948179
SATURATED XENON 0.024931

TIME HOURS	IODINE		MW/KG	68.00		SHUTDOWN TRANSIENT
	A	B		XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024933
5 SEC	0.000577	0.999856	0.000029	0.000142	0.975965	0.025507
10 SEC	0.001155	0.999712	0.000058	0.000281	0.952475	0.026082
30 SEC	0.003483	0.999136	0.000166	0.000804	0.864109	0.028379
60 SEC	0.006923	0.998272	0.000313	0.001498	0.746671	0.031820
2 MIN	0.013834	0.996548	0.000557	0.002614	0.557527	0.038687
5 MIN	0.034495	0.991392	0.001029	0.004521	0.232092	0.059164
10 MIN	0.068693	0.982857	0.001424	0.005532	0.053866	0.092884
30 MIN	0.202566	0.949448	0.002279	0.005652	0.000156	0.222778
60 MIN	0.394892	0.901452	0.003424	0.005368	0.000000	0.403261
2 HR	0.750868	0.812616	0.005544	0.004839	0.000000	0.716675
4 HR	1.361036	0.660345	0.009177	0.003932	0.000000	1.181395
8 HR	2.259788	0.436055	0.014529	0.002596	0.	1.641992
12 HR	2.853275	0.287946	0.018063	0.001715	0.	1.721922
24 HR	3.674865	0.082913	0.022955	0.000494	0.	1.190228
36 HR	3.911439	0.023875	0.024363	0.000142	0.	0.623931
48 HR	3.979560	0.006875	0.024769	0.000041	0.	0.293538
60 HR	3.999175	0.001980	0.024886	0.000012	0.	0.130640
72 HR	4.004823	0.000570	0.024919	0.000003	0.	0.056293
84 HR	4.006449	0.000164	0.024929	0.000001	0.	0.023772
96 HR	4.006917	0.000047	0.024932	0.000000	0.	0.009908
108 HR	4.007052	0.000014	0.024933	0.000000	0.	0.004093
120 HR	4.007091	0.000004	0.024933	0.000000	0.	0.001681
132 HR	4.007102	0.000001	0.024933	0.000000	0.	0.000687

SATURATED IODINE 4.007107
SATURATED XENON 0.024933

TIME HOURS	MW/KG		69.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000585	0.999856	0.000030	0.000142	0.975618
10 SEC	0.001172	0.999712	0.000059	0.000281	0.951796
30 SEC	0.003514	0.999136	0.000169	0.000803	0.862263
60 SEC	0.007025	0.998272	0.000317	0.001495	0.743484
2 MIN	0.014037	0.996548	0.000563	0.002604	0.552778
5 MIN	0.035002	0.991392	0.001036	0.004484	0.227181
10 MIN	0.069703	0.982857	0.001429	0.005465	0.051610
30 MIN	0.205545	0.949448	0.002281	0.005571	0.000137
60 MIN	0.400699	0.901452	0.003426	0.005290	0.000000
2 HR	0.781910	0.812616	0.005546	0.004768	0.000000
4 HR	1.381051	0.660345	0.009179	0.003875	0.000000
8 HR	2.293021	0.436055	0.014531	0.002559	0.
12 HR	2.895235	0.287946	0.018064	0.001690	0.
24 HR	3.728907	0.082913	0.022956	0.000487	0.
36 HR	3.968960	0.023875	0.024365	0.000140	0.
48 HR	4.038083	0.006875	0.024771	0.000040	0.
60 HR	4.057986	0.001980	0.024887	0.000012	0.
72 HR	4.063717	0.000570	0.024921	0.000003	0.
84 HR	4.065368	0.000164	0.024931	0.000001	0.
96 HR	4.065843	0.000047	0.024933	0.000000	0.
108 HR	4.065980	0.000014	0.024934	0.000000	0.
120 HR	4.066019	0.000004	0.024934	0.000000	0.
132 HR	4.066030	0.000001	0.024935	0.000000	0.

SATURATED IODINE 4.066035
SATURATED XENON 0.024935

TIME HOURS	MW/KG		70.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000594	0.999856	0.000030	0.000142	0.975270
10 SEC	0.001189	0.999712	0.000060	0.000281	0.951118
30 SEC	0.003565	0.999136	0.000171	0.000802	0.860420
60 SEC	0.007127	0.998272	0.000321	0.001492	0.740310
2 MIN	0.014240	0.996548	0.000569	0.002594	0.548069
5 MIN	0.035509	0.991392	0.001043	0.004448	0.222374
10 MIN	0.070713	0.982857	0.001433	0.005399	0.049449
30 MIN	0.208524	0.949448	0.002283	0.005491	0.000121
60 MIN	0.406507	0.901452	0.003428	0.005214	0.000000
2 HR	0.772953	0.812616	0.005548	0.004700	0.000000
4 HR	1.401066	0.660345	0.009181	0.003819	0.000000
8 HR	2.326253	0.436055	0.014532	0.002522	0.
12 HR	2.937195	0.287946	0.018066	0.001665	0.
24 HR	3.782949	0.082913	0.022958	0.000480	0.
36 HR	4.026481	0.023875	0.024366	0.000138	0.
48 HR	4.096606	0.006875	0.024772	0.000040	0.
60 HR	4.116798	0.001980	0.024889	0.000011	0.
72 HR	4.122612	0.000570	0.024922	0.000003	0.
84 HR	4.124286	0.000164	0.024932	0.000001	0.
96 HR	4.124768	0.000047	0.024935	0.000000	0.
108 HR	4.124907	0.000014	0.024936	0.000000	0.
120 HR	4.124947	0.000004	0.024936	0.000000	0.
132 HR	4.124958	0.000001	0.024936	0.000000	0.

SATURATED IODINE 4.124963
SATURATED XENON 0.024936

TIME HOURS	MW/KG		71.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000602	0.999856	0.000030	0.000142	0.974923
10 SEC	0.001206	0.999712	0.000060	0.000281	0.950440
30 SEC	0.003615	0.999136	0.000173	0.000801	0.858582
60 SEC	0.007228	0.998272	0.000325	0.001489	0.737150
2 MIN	0.014444	0.996548	0.000575	0.002584	0.543400
5 MIN	0.036017	0.991392	0.001050	0.004412	0.217668
10 MIN	0.071724	0.982857	0.001437	0.005334	0.047379
30 MIN	0.211503	0.949448	0.002285	0.005414	0.000106
60 MIN	0.412314	0.901452	0.003430	0.005140	0.000000
2 HR	0.783995	0.812616	0.005550	0.004634	0.000000
4 HR	1.421082	0.660345	0.009183	0.003766	0.000000
8 HR	2.359485	0.436055	0.014534	0.002487	0.
12 HR	2.979154	0.287946	0.018068	0.001642	0.
24 HR	3.836991	0.082913	0.022959	0.000473	0.
36 HR	4.084002	0.023875	0.024368	0.000136	0.
48 HR	4.155128	0.006875	0.024774	0.000039	0.
60 HR	4.175609	0.001980	0.024890	0.000011	0.
72 HR	4.181506	0.000570	0.024924	0.000003	0.
84 HR	4.183204	0.000164	0.024934	0.000001	0.
96 HR	4.183693	0.000047	0.024936	0.000000	0.
108 HR	4.183834	0.000014	0.024937	0.000000	0.
120 HR	4.183875	0.000004	0.024937	0.000000	0.
132 HR	4.183886	0.000001	0.024938	0.000000	0.

SATURATED IODINE 4.183891
SATURATED XENON 0.024938

TIME HOURS	MW/KG		72.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000611	0.999856	0.000031	0.000142	0.974576
10 SEC	0.001223	0.999712	0.000061	0.000281	0.949763
30 SEC	0.003666	0.999136	0.000175	0.000801	0.856748
60 SEC	0.007330	0.998272	0.000329	0.001486	0.734004
2 MIN	0.014647	0.996548	0.000581	0.002574	0.538771
5 MIN	0.036524	0.991392	0.001056	0.004377	0.213062
10 MIN	0.072734	0.982857	0.001441	0.005271	0.045395
30 MIN	0.214482	0.949448	0.002287	0.005338	0.000094
60 MIN	0.418121	0.901452	0.003432	0.005069	0.000000
2 HR	0.795037	0.812616	0.005552	0.004569	0.000000
4 HR	1.441097	0.660345	0.009185	0.003713	0.000000
8 HR	2.392717	0.436055	0.014536	0.002452	0.
12 HR	3.021114	0.287946	0.018069	0.001619	0.
24 HR	3.891034	0.082913	0.022961	0.000466	0.
36 HR	4.141524	0.023875	0.024369	0.000134	0.
48 HR	4.213651	0.006875	0.024775	0.000039	0.
60 HR	4.234420	0.001980	0.024892	0.000011	0.
72 HR	4.240401	0.000570	0.024925	0.000003	0.
84 HR	4.242123	0.000164	0.024935	0.000001	0.
96 HR	4.242619	0.000047	0.024938	0.000000	0.
108 HR	4.242761	0.000014	0.024939	0.000000	0.
120 HR	4.242802	0.000004	0.024939	0.000000	0.
132 HR	4.242814	0.000001	0.024939	0.000000	0.

SATURATED IODINE 4.242819
SATURATED XENON 0.024939

TIME HOURS	IODINE		MW/KG	73.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024940
5 SEC	0.000619	0.999856	0.	0.000031	0.000142	0.025567
10 SEC	0.001240	0.999712	0.	0.000062	0.000281	0.026175
30 SEC	0.003717	0.999136	0.	0.000178	0.000800	0.028641
60 SEC	0.007432	0.998272	0.	0.000333	0.001483	0.032337
2 MIN	0.014851	0.996548	0.	0.000587	0.002564	0.039710
5 MIN	0.037031	0.991392	0.	0.001063	0.004342	0.061699
10 MIN	0.073744	0.982857	0.	0.001445	0.005210	0.097911
30 MIN	0.217461	0.949448	0.	0.002289	0.005265	0.237400
60 MIN	0.423928	0.901452	0.	0.003434	0.004999	0.431219
2 HR	0.806079	0.812616	0.	0.005554	0.004507	0.767801
4 HR	1.461112	0.660345	0.	0.009186	0.003662	1.266912
8 HR	2.425949	0.436055	0.	0.014537	0.002418	1.761727
12 HR	3.063074	0.287946	0.	0.018071	0.001597	1.847795
24 HR	3.945076	0.082913	0.	0.022962	0.000460	1.277446
36 HR	4.199045	0.023875	0.	0.024371	0.000132	0.669687
48 HR	4.272174	0.006875	0.	0.024776	0.000038	0.315073
60 HR	4.293232	0.001980	0.	0.024893	0.000011	0.140226
72 HR	4.299295	0.000570	0.	0.024927	0.000003	0.060424
84 HR	4.301041	0.000164	0.	0.024936	0.000001	0.025517
96 HR	4.301544	0.000047	0.	0.024939	0.000000	0.010635
108 HR	4.301689	0.000014	0.	0.024940	0.000000	0.004394
120 HR	4.301730	0.000004	0.	0.024940	0.000000	0.001804
132 HR	4.301742	0.000001	0.	0.024940	0.000000	0.000738

SATURATED IODINE 4.301747
SATURATED XENON 0.024940

TIME HOURS	IODINE		MW/KG	74.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024942
5 SEC	0.000628	0.999856	0.	0.000032	0.000142	0.025567
10 SEC	0.001257	0.999712	0.	0.000063	0.000281	0.026193
30 SEC	0.003768	0.999136	0.	0.000180	0.000799	0.028693
60 SEC	0.007534	0.998272	0.	0.000337	0.001480	0.032440
2 MIN	0.015054	0.996548	0.	0.000593	0.002554	0.039915
5 MIN	0.037538	0.991392	0.	0.001069	0.004307	0.062206
10 MIN	0.074754	0.982857	0.	0.001449	0.005149	0.098916
30 MIN	0.220440	0.949448	0.	0.002291	0.005194	0.240324
60 MIN	0.429735	0.901452	0.	0.003436	0.004932	0.436811
2 HR	0.817121	0.812616	0.	0.005555	0.004446	0.778026
4 HR	1.481127	0.660345	0.	0.009188	0.003613	1.284015
8 HR	2.459181	0.436055	0.	0.014539	0.002386	1.785674
12 HR	3.105034	0.287946	0.	0.018072	0.001575	1.872969
24 HR	3.999118	0.082913	0.	0.022964	0.000454	1.294889
36 HR	4.256566	0.023875	0.	0.024372	0.000131	0.678838
48 HR	4.230697	0.006875	0.	0.024778	0.000038	0.319379
60 HR	4.252043	0.001980	0.	0.024894	0.000011	0.142143
72 HR	4.258190	0.000570	0.	0.024928	0.000003	0.061250
84 HR	4.259959	0.000164	0.	0.024938	0.000001	0.025866
96 HR	4.260469	0.000047	0.	0.024941	0.000000	0.010780
108 HR	4.260616	0.000014	0.	0.024941	0.000000	0.004454
120 HR	4.260658	0.000004	0.	0.024942	0.000000	0.001829
132 HR	4.260670	0.000001	0.	0.024942	0.000000	0.000748

SATURATED IODINE 4.360675
SATURATED XENON 0.024942

TIME HOURS	IODINE		MW/KG	75.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024943
5 SEC	0.000636	0.999856	0.	0.000032	0.000142	0.025577
10 SEC	0.001274	0.999712	0.	0.000064	0.000281	0.026211
30 SEC	0.003819	0.999136	0.	0.000182	0.000798	0.028745
60 SEC	0.007638	0.998272	0.	0.000340	0.001477	0.032543
2 MIN	0.015258	0.996548	0.	0.000598	0.002545	0.040119
5 MIN	0.038044	0.991392	0.	0.001075	0.004273	0.062713
10 MIN	0.075764	0.982857	0.	0.001452	0.005090	0.099921
30 MIN	0.223418	0.949448	0.	0.002293	0.005125	0.243249
60 MIN	0.435543	0.901452	0.	0.003438	0.004866	0.442402
2 HR	0.828164	0.812616	0.	0.005557	0.004386	0.788251
4 HR	1.501142	0.660345	0.	0.009190	0.003564	1.301118
8 HR	2.492414	0.436055	0.	0.014540	0.002354	1.809621
12 HR	3.146994	0.287946	0.	0.018074	0.001554	1.898143
24 HR	4.053160	0.082913	0.	0.022965	0.000448	1.312333
36 HR	4.314087	0.023875	0.	0.024373	0.000129	0.687990
48 HR	4.389220	0.006875	0.	0.024779	0.000037	0.323686
60 HR	4.410854	0.001980	0.	0.024896	0.000011	0.144060
72 HR	4.417084	0.000570	0.	0.024929	0.000003	0.062077
84 HR	4.418878	0.000164	0.	0.024939	0.000001	0.026215
96 HR	4.419394	0.000047	0.	0.024942	0.000000	0.010926
108 HR	4.419543	0.000014	0.	0.024943	0.000000	0.004514
120 HR	4.419586	0.000004	0.	0.024943	0.000000	0.001854
132 HR	4.419598	0.000001	0.	0.024943	0.000000	0.000758

SATURATED IODINE 4.419603
SATURATED XENON 0.024943

TIME HOURS	IODINE		MW/KG	76.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024944
5 SEC	0.000645	0.999856	0.	0.000033	0.000142	0.025587
10 SEC	0.001291	0.999712	0.	0.000064	0.000280	0.026229
30 SEC	0.003870	0.999136	0.	0.000184	0.000797	0.028798
60 SEC	0.007737	0.998272	0.	0.000344	0.001474	0.032646
2 MIN	0.015461	0.996548	0.	0.000604	0.002535	0.040324
5 MIN	0.038553	0.991392	0.	0.001081	0.004239	0.063220
10 MIN	0.076775	0.982857	0.	0.001456	0.005032	0.090926
30 MIN	0.226397	0.949448	0.	0.002294	0.005057	0.246173
60 MIN	0.441350	0.901452	0.	0.003439	0.004802	0.447994
2 HR	0.839206	0.812616	0.	0.005559	0.004329	0.798476
4 HR	1.521158	0.660345	0.	0.009191	0.003517	1.318221
8 HR	2.525645	0.436055	0.	0.014542	0.002323	1.833568
12 HR	3.188954	0.287946	0.	0.018075	0.001534	1.923318
24 HR	4.107202	0.082913	0.	0.022966	0.000442	1.329776
36 HR	4.371608	0.023875	0.	0.024375	0.000127	0.697141
48 HR	4.447743	0.006875	0.	0.024780	0.000037	0.327993
60 HR	4.469666	0.001980	0.	0.024897	0.000011	0.145978
72 HR	4.475978	0.000570	0.	0.024931	0.000003	0.062903
84 HR	4.477796	0.000164	0.	0.024940	0.000001	0.026564
96 HR	4.478320	0.000047	0.	0.024943	0.000000	0.011071
108 HR	4.478470	0.000014	0.	0.024944	0.000000	0.004574
120 HR	4.478514	0.000004	0.	0.024944	0.000000	0.001878
132 HR	4.478526	0.000001	0.	0.024944	0.000000	0.000768

SATURATED IODINE 4.478531
SATURATED XENON 0.024944

TIME HOURS	IODINE		MW/KG	77.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024946
5 SEC	0.000653	0.999856	0.000033	0.000142	0.972841	0.025596
10 SEC	0.001308	0.999712	0.000065	0.000280	0.946383	0.026248
30 SEC	0.003921	0.999136	0.000187	0.000797	0.847635	0.028850
60 SEC	0.007839	0.998272	0.000348	0.001471	0.718471	0.032749
2 MIN	0.015665	0.996548	0.000610	0.002525	0.516211	0.040528
5 MIN	0.039060	0.991392	0.001087	0.004206	0.191454	0.063727
10 MIN	0.077785	0.982857	0.001459	0.004975	0.036654	0.101931
30 MIN	0.229376	0.949448	0.002296	0.004991	0.000049	0.249097
60 MIN	0.447157	0.901452	0.003441	0.004739	0.000000	0.453585
2 HR	0.850248	0.812616	0.005560	0.004272	0.000000	0.808701
4 HR	1.541173	0.660345	0.009193	0.003472	0.000000	1.335324
8 HR	2.558878	0.436055	0.014543	0.002293	0.	1.857515
12 HR	3.230914	0.287946	0.018076	0.001514	0.	1.948492
24 HR	4.161244	0.082913	0.022968	0.000436	0.	1.347220
36 HR	4.429129	0.023875	0.024376	0.000126	0.	0.706292
48 HR	4.506266	0.006875	0.024782	0.000036	0.	0.332300
60 HR	4.528477	0.001980	0.024698	0.000010	0.	0.147895
72 HR	4.534873	0.000570	0.024932	0.000003	0.	0.063729
84 HR	4.536715	0.000164	0.024942	0.000001	0.	0.026913
96 HR	4.537245	0.000047	0.024944	0.000000	0.	0.011217
108 HR	4.537398	0.000014	0.024945	0.000000	0.	0.004634
120 HR	4.537441	0.000004	0.024945	0.000000	0.	0.001903
132 HR	4.537454	0.000001	0.024946	0.000000	0.	0.000778

SATURATED IODINE 4.537459
SATURATED XENON 0.024946

TIME HOURS	IODINE		MW/KG	78.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024947
5 SEC	0.000662	0.999856	0.000033	0.000142	0.972495	0.025606
10 SEC	0.001324	0.999712	0.000066	0.000280	0.945708	0.026266
30 SEC	0.003972	0.999136	0.000189	0.000796	0.845824	0.028902
60 SEC	0.007941	0.998272	0.000352	0.001468	0.715405	0.032852
2 MIN	0.015868	0.996548	0.000615	0.002516	0.511814	0.040732
5 MIN	0.039567	0.991392	0.001093	0.004173	0.187403	0.064234
10 MIN	0.078795	0.982857	0.001462	0.004919	0.035119	0.102936
30 MIN	0.232355	0.949448	0.002298	0.004927	0.000043	0.252021
60 MIN	0.452964	0.901452	0.003443	0.004678	0.000000	0.459177
2 HR	0.861290	0.812616	0.005562	0.004217	0.000000	0.818926
4 HR	1.561188	0.660345	0.009194	0.003427	0.000000	1.352427
8 HR	2.592110	0.436055	0.014545	0.002263	0.	1.881462
12 HR	3.272874	0.287946	0.018078	0.001494	0.	1.973667
24 HR	4.215286	0.082913	0.022969	0.000430	0.	1.364663
36 HR	4.486651	0.023875	0.024377	0.000124	0.	0.715443
48 HR	4.564789	0.006875	0.024783	0.000036	0.	0.336607
60 HR	4.587289	0.001980	0.024900	0.000010	0.	0.149812
72 HR	4.593767	0.000570	0.024933	0.000003	0.	0.064555
84 HR	4.595633	0.000164	0.024943	0.000001	0.	0.027262
96 HR	4.596170	0.000047	0.024946	0.000000	0.	0.011362
108 HR	4.596325	0.000014	0.024946	0.000000	0.	0.004694
120 HR	4.596369	0.000004	0.024947	0.000000	0.	0.001928
132 HR	4.596382	0.000001	0.024947	0.000000	0.	0.000788

SATURATED IODINE 4.596387
SATURATED XENON 0.024947

TIME HOURS	IODINE		MW/KG	79.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024948
5 SEC	0.000670	0.999856	0.000034	0.000142	0.972148	0.025616
10 SEC	0.001341	0.999712	0.000067	0.000280	0.945034	0.026284
30 SEC	0.004023	0.999136	0.000191	0.000795	0.844017	0.028954
60 SEC	0.008043	0.998272	0.000356	0.001465	0.712351	0.032955
2 MIN	0.016071	0.996548	0.000621	0.002506	0.507454	0.040937
5 MIN	0.040075	0.991392	0.001098	0.004140	0.183437	0.064741
10 MIN	0.079805	0.982857	0.001466	0.004864	0.033649	0.103941
30 MIN	0.235334	0.949448	0.002299	0.004865	0.000038	0.254946
60 MIN	0.458772	0.901452	0.003444	0.004619	0.000000	0.464768
2 HR	0.872332	0.812616	0.005563	0.004164	0.000000	0.829151
4 HR	1.581203	0.660345	0.009196	0.003384	0.000000	1.369531
8 HR	2.625342	0.436055	0.014546	0.002234	0.	1.905408
12 HR	3.314834	0.287946	0.018079	0.001475	0.	1.998841
24 HR	4.269328	0.082913	0.022970	0.000425	0.	1.382106
36 HR	4.544172	0.023875	0.024378	0.000122	0.	0.724594
48 HR	4.623312	0.006875	0.024784	0.000035	0.	0.340914
60 HR	4.646100	0.001980	0.024901	0.000010	0.	0.151729
72 HR	4.652662	0.000570	0.024934	0.000003	0.	0.065381
84 HR	4.654551	0.000164	0.024944	0.000001	0.	0.027611
96 HR	4.655095	0.000047	0.024947	0.000000	0.	0.011508
108 HR	4.655252	0.000014	0.024948	0.000000	0.	0.004754
120 HR	4.655297	0.000004	0.024948	0.000000	0.	0.001952
132 HR	4.655310	0.000001	0.024948	0.000000	0.	0.000798

SATURATED IODINE 4.655315
SATURATED XENON 0.024948

TIME HOURS	IODINE		MW/KG	80.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024949
5 SEC	0.000679	0.999856	0.000034	0.000142	0.971802	0.025625
10 SEC	0.001358	0.999712	0.000068	0.000280	0.944361	0.026302
30 SEC	0.004074	0.999136	0.000193	0.000794	0.842214	0.029006
60 SEC	0.008145	0.998272	0.000359	0.001462	0.709310	0.033057
2 MIN	0.016275	0.996548	0.000626	0.002497	0.503132	0.041141
5 MIN	0.040582	0.991392	0.001104	0.004108	0.179556	0.065248
10 MIN	0.080815	0.982857	0.001469	0.004810	0.032240	0.104946
30 MIN	0.238313	0.949448	0.002301	0.004804	0.000034	0.257870
60 MIN	0.464579	0.901452	0.003446	0.004561	0.000000	0.470359
2 HR	0.883374	0.812616	0.005565	0.004112	0.000000	0.839376
4 HR	1.601219	0.660345	0.009197	0.003341	0.000000	1.386634
8 HR	2.658575	0.436055	0.014547	0.002206	0.	1.929355
12 HR	3.356794	0.287946	0.018080	0.001457	0.	2.024015
24 HR	4.323371	0.082913	0.022971	0.000420	0.	1.399550
36 HR	4.601693	0.023875	0.024380	0.000121	0.	0.733745
48 HR	4.681835	0.006875	0.024785	0.000035	0.	0.345221
60 HR	4.704911	0.001980	0.024902	0.000010	0.	0.153646
72 HR	4.711558	0.000570	0.024936	0.000003	0.	0.066208
84 HR	4.713470	0.000164	0.024945	0.000001	0.	0.027960
96 HR	4.714021	0.000047	0.024948	0.000000	0.	0.011653
108 HR	4.714179	0.000014	0.024949	0.000000	0.	0.004814
120 HR	4.714225	0.000004	0.024949	0.000000	0.	0.001977
132 HR	4.714238	0.000001	0.024949	0.000000	0.	0.000808

SATURATED IODINE 4.714243
SATURATED XENON 0.024949

TIME HOURS	MW/KG		81.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000687	0.999856	0.000035	0.000142	0.971456
10 SEC	0.001375	0.999712	0.000069	0.000280	0.943688
30 SEC	0.004125	0.999136	0.000196	0.000793	0.840415
60 SEC	0.008246	0.998272	0.000363	0.001459	0.706283
2 MIN	0.016478	0.996548	0.000632	0.002487	0.498846
5 MIN	0.041089	0.991392	0.001109	0.004076	0.175756
10 MIN	0.081825	0.982857	0.001472	0.004757	0.030890
30 MIN	0.241292	0.949448	0.002302	0.004745	0.000029
60 MIN	0.470386	0.901452	0.003447	0.004505	0.000000
2 HR	0.894417	0.812616	0.005566	0.004061	0.000000
4 HR	1.621234	0.660345	0.009199	0.003300	0.000000
8 HR	2.691807	0.436055	0.014549	0.002179	0.
12 HR	3.398754	0.287946	0.018082	0.001439	0.
24 HR	4.377413	0.082913	0.022972	0.000414	0.
36 HR	4.659214	0.023875	0.024381	0.000119	0.
48 HR	4.740358	0.006875	0.024786	0.000034	0.
60 HR	4.763723	0.001980	0.024903	0.000010	0.
72 HR	4.770451	0.000570	0.024937	0.000003	0.
84 HR	4.772388	0.000164	0.024946	0.000001	0.
96 HR	4.772946	0.000047	0.024949	0.000000	0.
108 HR	4.773106	0.000014	0.024950	0.000000	0.
120 HR	4.773153	0.000004	0.024950	0.000000	0.
132 HR	4.773166	0.000001	0.024950	0.000000	0.

SATURATED IODINE 4.773171
SATURATED XENON 0.024950

TIME HOURS	MW/KG		82.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000696	0.999856	0.000035	0.000142	0.971110
10 SEC	0.001392	0.999712	0.000069	0.000280	0.943015
30 SEC	0.004176	0.999136	0.000198	0.000792	0.838620
60 SEC	0.008348	0.998272	0.000367	0.001456	0.703268
2 MIN	0.016682	0.996548	0.000637	0.002478	0.494596
5 MIN	0.041597	0.991392	0.001114	0.004045	0.172037
10 MIN	0.082836	0.982857	0.001474	0.004706	0.029596
30 MIN	0.244271	0.949448	0.002304	0.004687	0.000026
60 MIN	0.476193	0.901452	0.003449	0.004450	0.000000
2 HR	0.905459	0.812616	0.005568	0.004011	0.000000
4 HR	1.641249	0.660345	0.009200	0.003260	0.000000
8 HR	2.725039	0.436055	0.014550	0.002153	0.
12 HR	3.440714	0.287946	0.018083	0.001421	0.
24 HR	4.431455	0.082913	0.022974	0.000409	0.
36 HR	4.716735	0.023875	0.024382	0.000118	0.
48 HR	4.798881	0.006875	0.024787	0.000034	0.
60 HR	4.822534	0.001980	0.024904	0.000010	0.
72 HR	4.829345	0.000570	0.024938	0.000003	0.
84 HR	4.831306	0.000164	0.024947	0.000001	0.
96 HR	4.831871	0.000047	0.024950	0.000000	0.
108 HR	4.832034	0.000014	0.024951	0.000000	0.
120 HR	4.832081	0.000004	0.024951	0.000000	0.
132 HR	4.832094	0.000001	0.024951	0.000000	0.

SATURATED IODINE 4.832099
SATURATED XENON 0.024951

TIME HOURS	MW/KG		83.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000704	0.999856	0.000036	0.000142	0.970764
10 SEC	0.001409	0.999712	0.000070	0.000280	0.942343
30 SEC	0.004227	0.999136	0.000200	0.000792	0.836828
60 SEC	0.008450	0.998272	0.000371	0.001453	0.700266
2 MIN	0.016885	0.996548	0.000643	0.002469	0.490383
5 MIN	0.042104	0.991392	0.001120	0.004014	0.168397
10 MIN	0.083846	0.982857	0.001477	0.004655	0.029357
30 MIN	0.247250	0.949448	0.002305	0.004630	0.000023
60 MIN	0.482001	0.901452	0.003450	0.004396	0.000000
2 HR	0.916501	0.812616	0.005569	0.003963	0.000000
4 HR	1.661264	0.660345	0.009201	0.003220	0.000000
8 HR	2.758271	0.436055	0.014551	0.002127	0.
12 HR	3.482674	0.287946	0.018084	0.001404	0.
24 HR	4.485497	0.082913	0.022975	0.000404	0.
36 HR	4.774256	0.023875	0.024383	0.000116	0.
48 HR	4.857404	0.006875	0.024788	0.000034	0.
60 HR	4.881348	0.001980	0.024905	0.000010	0.
72 HR	4.888240	0.000570	0.024939	0.000003	0.
84 HR	4.890225	0.000164	0.024948	0.000001	0.
96 HR	4.890796	0.000047	0.024951	0.000000	0.
108 HR	4.890981	0.000014	0.024952	0.000000	0.
120 HR	4.891008	0.000004	0.024952	0.000000	0.
132 HR	4.891022	0.000001	0.024952	0.000000	0.

SATURATED IODINE 4.891028
SATURATED XENON 0.024952

TIME HOURS	MW/KG		84.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.000713	0.999856	0.000036	0.000142	0.970418
10 SEC	0.001426	0.999712	0.000071	0.000280	0.941671
30 SEC	0.004277	0.999136	0.000202	0.000791	0.835040
60 SEC	0.008552	0.998272	0.000374	0.001450	0.697277
2 MIN	0.017089	0.996548	0.000648	0.002459	0.486206
5 MIN	0.042611	0.991392	0.001125	0.003983	0.164834
10 MIN	0.084858	0.982857	0.001480	0.004605	0.027170
30 MIN	0.250229	0.949448	0.002307	0.004575	0.000020
60 MIN	0.487808	0.901452	0.003451	0.004344	0.000000
2 HR	0.927543	0.812616	0.005570	0.003916	0.000000
4 HR	1.681280	0.660345	0.009203	0.003182	0.000000
8 HR	2.791503	0.436055	0.014552	0.002101	0.
12 HR	3.524633	0.287946	0.018085	0.001388	0.
24 HR	4.539539	0.082913	0.022976	0.000400	0.
36 HR	4.831778	0.023875	0.024384	0.000115	0.
48 HR	4.915927	0.006875	0.024789	0.000033	0.
60 HR	4.940157	0.001980	0.024906	0.000010	0.
72 HR	4.947134	0.000570	0.024940	0.000003	0.
84 HR	4.949143	0.000164	0.024950	0.000001	0.
96 HR	4.949722	0.000047	0.024952	0.000000	0.
108 HR	4.949888	0.000014	0.024953	0.000000	0.
120 HR	4.949936	0.000004	0.024953	0.000000	0.
132 HR	4.949950	0.000001	0.024953	0.000000	0.

SATURATED IODINE 4.949956
SATURATED XENON 0.024953

TIME HOURS	IODINE		MW/KG	85.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024954
5 SEC	0.000721	0.999856	0.000036	0.000142	0.970073	0.025673
10 SEC	0.001443	0.999712	0.000072	0.000280	0.941000	0.026392
30 SEC	0.004328	0.999136	0.000204	0.000790	0.833256	0.029266
60 SEC	0.008654	0.998272	0.000378	0.001448	0.694301	0.033572
2 MIN	0.017292	0.996548	0.000653	0.002450	0.482064	0.042162
5 MIN	0.043118	0.991392	0.001130	0.003953	0.161346	0.067781
10 MIN	0.085866	0.982857	0.001482	0.004556	0.026032	0.109971
30 MIN	0.253208	0.949448	0.002308	0.004521	0.000018	0.272490
60 MIN	0.493615	0.901452	0.003453	0.004293	0.000000	0.498316
2 HR	0.538585	0.812616	0.005572	0.003870	0.000000	0.890501
4 HR	1.701295	0.660345	0.009204	0.003145	0.000000	1.472149
8 HR	2.824735	0.436055	0.014554	0.002076	0.	2.049089
12 HR	3.566593	0.287946	0.018086	0.001371	0.	2.149887
24 HR	4.593581	0.082913	0.022977	0.000395	0.	1.486767
36 HR	4.889299	0.023875	0.024385	0.000114	0.	0.779501
48 HR	4.974450	0.006875	0.024791	0.000033	0.	0.366755
60 HR	4.598968	0.001980	0.024907	0.000009	0.	0.163232
72 HR	5.060629	0.000570	0.024941	0.000003	0.	0.070339
84 HR	5.008061	0.000164	0.024951	0.000001	0.	0.029704
96 HR	5.008647	0.000047	0.024953	0.000000	0.	0.012380
108 HR	5.008815	0.000014	0.024954	0.000000	0.	0.005115
120 HR	5.008864	0.000004	0.024954	0.000000	0.	0.002100
132 HR	5.008878	0.000001	0.024954	0.000000	0.	0.000859

SATURATED IODINE 5.008884
SATURATED XENON 0.024954

TIME HOURS	IODINE		MW/KG	86.00		XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E			
0 SEC	0.	1.000000	0.	0.	1.000000	0.024955		
5 SEC	0.000730	0.999856	0.000037	0.000142	0.969727	0.025683		
10 SEC	0.001460	0.999712	0.000073	0.000279	0.940329	0.026410		
30 SEC	0.004379	0.999136	0.000207	0.000789	0.831476	0.029318		
60 SEC	0.008756	0.998272	0.000382	0.001445	0.691337	0.033674		
2 MIN	0.017495	0.996548	0.000658	0.002441	0.477958	0.042366		
5 MIN	0.043626	0.991392	0.001135	0.003923	0.157932	0.068288		
10 MIN	0.086876	0.982857	0.001485	0.004508	0.024942	0.110976		
30 MIN	0.256186	0.949448	0.002309	0.004469	0.000016	0.275414		
60 MIN	0.499422	0.901452	0.003454	0.004243	0.000000	0.503907		
2 HR	0.949628	0.812616	0.005573	0.003825	0.000000	0.900725		
4 HR	1.721310	0.660345	0.009205	0.003108	0.	1.489251		
8 HR	2.857968	0.436055	0.014555	0.002052	0.	2.073036		
12 HR	3.608553	0.287946	0.018087	0.001355	0.	2.175061		
24 HR	4.647623	0.082913	0.022978	0.000390	0.	1.504210		
36 HR	4.946820	0.023875	0.024386	0.000112	0.	0.788653		
48 HR	5.032973	0.006875	0.024792	0.000032	0.	0.371062		
60 HR	5.057780	0.001980	0.024908	0.000009	0.	0.165150		
72 HR	5.064923	0.000570	0.024942	0.000003	0.	0.071165		
84 HR	5.066980	0.000164	0.024952	0.000001	0.	0.030053		
96 HR	5.067572	0.000047	0.024954	0.000000	0.	0.012526		
108 HR	5.067743	0.000014	0.024955	0.000000	0.	0.005175		
120 HR	5.067792	0.000004	0.024955	0.000000	0.	0.002125		
132 HR	5.067806	0.000001	0.024955	0.000000	0.	0.000869		

SATURATED IODINE 5.067812
SATURATED XENON 0.024955

TIME HOURS	IODINE		MW/KG	87.00	XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E		
0 SEC	0.	1.000000	0.	0.	1.000000	0.024956	
5 SEC	0.000738	0.999856	0.000037	0.000142	0.969382	0.025692	
10 SEC	0.001477	0.999712	0.000074	0.000279	0.939659	0.026428	
30 SEC	0.004430	0.999136	0.000209	0.000788	0.829700	0.029370	
60 SEC	0.008857	0.998272	0.000386	0.001442	0.688386	0.033777	
2 MIN	0.017699	0.996548	0.000664	0.002432	0.473886	0.042571	
5 MIN	0.044133	0.991392	0.001139	0.003893	0.154590	0.068795	
10 MIN	0.087887	0.982857	0.001487	0.004461	0.023897	0.111981	
30 MIN	0.259165	0.949448	0.002311	0.004417	0.000014	0.278338	
60 MIN	0.505230	0.901452	0.003455	0.004194	0.000000	0.509498	
2 HR	0.960670	0.812616	0.005574	0.003781	0.000000	0.910950	
4 HR	1.741325	0.660345	0.009206	0.003072	0.	1.506354	
8 HR	2.891200	0.436055	0.014556	0.002029	0.	2.096983	
12 HR	3.650513	0.287946	0.018088	0.001340	0.	2.200236	
24 HR	4.701666	0.082913	0.022979	0.000386	0.	1.521654	
36 HR	5.004341	0.023875	0.024387	0.000111	0.	0.797804	
48 HR	5.091495	0.006875	0.024792	0.000032	0.	0.375369	
60 HR	5.116591	0.001980	0.024909	0.000009	0.	0.167067	
72 HR	5.123817	0.000570	0.024943	0.000003	0.	0.071991	
84 HR	5.125898	0.000164	0.024953	0.000001	0.	0.030402	
96 HR	5.126497	0.000047	0.024955	0.000000	0.	0.012671	
108 HR	5.126670	0.000014	0.024956	0.000000	0.	0.005235	
120 HR	5.126720	0.000004	0.024956	0.000000	0.	0.002150	
132 HR	5.126734	0.000001	0.024956	0.000000	0.	0.000879	

SATURATED IODINE 5.126740
SATURATED XENON 0.024956

TIME HOURS	IODINE		MW/KG	88.00	XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E		
0 SEC	0.	1.000000	0.	0.	1.000000	0.024957	
5 SEC	0.000747	0.999856	0.000038	0.000142	0.969037	0.025702	
10 SEC	0.001494	0.999712	0.000074	0.000279	0.938990	0.026446	
30 SEC	0.004481	0.999136	0.000211	0.000787	0.827927	0.029422	
60 SEC	0.008959	0.998272	0.000389	0.001439	0.685448	0.033880	
2 MIN	0.017902	0.996548	0.000669	0.002423	0.469850	0.042775	
5 MIN	0.044640	0.991392	0.001144	0.003864	0.151318	0.069301	
10 MIN	0.088897	0.982857	0.001490	0.004415	0.022897	0.112985	
30 MIN	0.262144	0.949448	0.002312	0.004367	0.000012	0.281262	
60 MIN	0.511037	0.901452	0.003457	0.004146	0.000000	0.515089	
2 HR	0.971712	0.812616	0.005576	0.003738	0.000000	0.921175	
4 HR	1.761340	0.660345	0.009207	0.003037	0.	1.523457	
8 HR	2.924432	0.436055	0.014557	0.002006	0.	2.120930	
12 HR	3.692473	0.287946	0.018090	0.001324	0.	2.225410	
24 HR	4.755708	0.082913	0.022980	0.000381	0.	1.539097	
36 HR	5.061882	0.023875	0.024388	0.000110	0.	0.806955	
48 HR	5.150018	0.006875	0.024793	0.000032	0.	0.379676	
60 HR	5.175403	0.001980	0.024910	0.000009	0.	0.168984	
72 HR	5.182712	0.000570	0.024944	0.000003	0.	0.072817	
84 HR	5.184817	0.000164	0.024953	0.000001	0.	0.030751	
96 HR	5.185423	0.000047	0.024956	0.000000	0.	0.012817	
108 HR	5.185597	0.000014	0.024957	0.000000	0.	0.005295	
120 HR	5.185647	0.000004	0.024957	0.000000	0.	0.002174	
132 HR	5.185662	0.000001	0.024957	0.000000	0.	0.000889	

SATURATED IODINE 5.185668
SATURATED XENON 0.024957

TIME HOURS	IODINE		MW/KG	89.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024958
5 SEC	0.000755	0.999856	0.000038	0.000142	0.988692	0.025711
10 SEC	0.001511	0.999712	0.000075	0.000279	0.938320	0.026464
30 SEC	0.004532	0.999136	0.000213	0.000787	0.826158	0.029473
60 SEC	0.009061	0.998272	0.000393	0.001436	0.682522	0.033982
2 MIN	0.018106	0.996548	0.000674	0.002413	0.465847	0.042979
5 MIN	0.045148	0.991392	0.001149	0.003835	0.148117	0.069808
10 MIN	0.089907	0.982857	0.001492	0.004370	0.021938	0.113990
30 MIN	0.265123	0.949448	0.002313	0.004318	0.000011	0.284186
60 MIN	0.516844	0.901452	0.003458	0.004100	0.000000	0.520680
2 HR	0.582754	0.812616	0.005577	0.003696	0.000000	0.931400
4 HR	1.781356	0.660345	0.009209	0.003003	0.	1.540560
8 HR	2.957664	0.436055	0.014558	0.001983	0.	2.144876
12 HR	3.734433	0.287946	0.018091	0.001309	0.	2.250584
24 HR	4.809750	0.082913	0.022981	0.000377	0.	1.556540
36 HR	5.119383	0.023875	0.024389	0.000109	0.	0.816106
48 HR	5.208541	0.006875	0.024794	0.000031	0.	0.383983
60 HR	5.234214	0.001980	0.024911	0.000009	0.	0.170901
72 HR	5.241606	0.000570	0.024945	0.000003	0.	0.073644
84 HR	5.243735	0.000164	0.024954	0.000001	0.	0.031100
96 HR	5.244348	0.000047	0.024957	0.000000	0.	0.012962
108 HR	5.244524	0.000014	0.024958	0.000000	0.	0.005355
120 HR	5.244575	0.000004	0.024958	0.000000	0.	0.002199
132 HR	5.244590	0.000001	0.024958	0.000000	0.	0.000899

SATURATED IODINE 5.244596
SATURATED XENON 0.024958

TIME HOURS	IODINE		MW/KG	90.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024959
5 SEC	0.000764	0.999856	0.000039	0.000142	0.968347	0.025720
10 SEC	0.001528	0.999712	0.000076	0.000279	0.937652	0.026482
30 SEC	0.004583	0.999136	0.000215	0.000786	0.824393	0.029525
60 SEC	0.009163	0.998272	0.000396	0.001433	0.679609	0.034085
2 MIN	0.018309	0.996548	0.000679	0.002404	0.461879	0.043183
5 MIN	0.045655	0.991392	0.001153	0.003806	0.144982	0.070315
10 MIN	0.090917	0.982857	0.001494	0.004325	0.021019	0.114995
30 MIN	0.268102	0.949448	0.002314	0.004270	0.000009	0.287110
60 MIN	0.522651	0.901452	0.003459	0.004054	0.000000	0.526271
2 HR	0.993796	0.812616	0.005578	0.003654	0.000000	0.941625
4 HR	1.801371	0.660345	0.009210	0.002970	0.	1.557663
8 HR	2.990896	0.436055	0.014559	0.001961	0.	2.168823
12 HR	3.776393	0.287946	0.018092	0.001295	0.	2.275758
24 HR	4.863792	0.082913	0.022982	0.000373	0.	1.573984
36 HR	5.176905	0.023875	0.024390	0.000107	0.	0.825257
48 HR	5.267064	0.006875	0.024795	0.000031	0.	0.388290
60 HR	5.293025	0.001980	0.024912	0.000009	0.	0.172818
72 HR	5.300501	0.000570	0.024946	0.000003	0.	0.074470
84 HR	5.302653	0.000164	0.024955	0.000001	0.	0.031449
96 HR	5.303273	0.000047	0.024958	0.000000	0.	0.013108
108 HR	5.303452	0.000014	0.024959	0.000000	0.	0.005415
120 HR	5.303503	0.000004	0.024959	0.000000	0.	0.002224
132 HR	5.303518	0.000001	0.024959	0.000000	0.	0.000909

SATURATED IODINE 5.303524
SATURATED XENON 0.024959

TIME HOURS	IODINE		MW/KG	91.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024960
5 SEC	0.000772	0.999856	0.000039	0.000142	0.968002	0.025730
10 SEC	0.001545	0.999712	0.000077	0.000279	0.936983	0.026500
30 SEC	0.004634	0.999136	0.000217	0.000785	0.822632	0.029577
60 SEC	0.009265	0.998272	0.000400	0.001430	0.676708	0.034188
2 MIN	0.018513	0.996548	0.000684	0.002396	0.457944	0.043387
5 MIN	0.046162	0.991392	0.001158	0.003778	0.141914	0.070821
10 MIN	0.091927	0.982857	0.001496	0.004282	0.020139	0.116000
30 MIN	0.271081	0.949448	0.002316	0.004223	0.000008	0.290034
60 MIN	0.528458	0.901452	0.003460	0.004009	0.000000	0.531862
2 HR	1.004838	0.812616	0.005579	0.003614	0.000000	0.951849
4 HR	1.821386	0.660345	0.009211	0.002937	0.	1.574766
8 HR	3.024129	0.436055	0.014560	0.001939	0.	2.192770
12 HR	3.818353	0.287946	0.018093	0.001281	0.	2.300933
24 HR	4.917834	0.082913	0.022983	0.000369	0.	1.591427
36 HR	5.234426	0.023875	0.024391	0.000106	0.	0.834408
48 HR	5.325567	0.006875	0.024796	0.000031	0.	0.392597
60 HR	5.351837	0.001980	0.024913	0.000009	0.	0.174736
72 HR	5.359395	0.000570	0.024947	0.000003	0.	0.075296
84 HR	5.361572	0.000164	0.024956	0.000001	0.	0.031798
96 HR	5.362198	0.000047	0.024959	0.000000	0.	0.013253
108 HR	5.362379	0.000014	0.024960	0.000000	0.	0.005475
120 HR	5.362431	0.000004	0.024960	0.000000	0.	0.002248
132 HR	5.362446	0.000001	0.024960	0.000000	0.	0.000920

SATURATED IODINE 5.362452
SATURATED XENON 0.024960

TIME HOURS	IODINE		MW/KG	92.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024961
5 SEC	0.000781	0.999856	0.000039	0.000142	0.967657	0.025739
10 SEC	0.001562	0.999712	0.000078	0.000279	0.936316	0.026518
30 SEC	0.004685	0.999136	0.000220	0.000784	0.820875	0.029629
60 SEC	0.009366	0.998272	0.000404	0.001427	0.673819	0.034290
2 MIN	0.018716	0.996548	0.000689	0.002387	0.454043	0.043591
5 MIN	0.046669	0.991392	0.001162	0.003750	0.138912	0.071328
10 MIN	0.092938	0.982857	0.001499	0.004239	0.019296	0.117004
30 MIN	0.274060	0.949448	0.002317	0.004177	0.000007	0.292958
60 MIN	0.534266	0.901452	0.003462	0.003966	0.000000	0.537453
2 HR	1.015881	0.812616	0.005580	0.003575	0.000000	0.962074
4 HR	1.841401	0.660345	0.009212	0.002905	0.	1.591869
8 HR	3.057361	0.436055	0.014561	0.001918	0.	2.216717
12 HR	3.860313	0.287946	0.018094	0.001267	0.	2.326107
24 HR	4.971876	0.082913	0.022984	0.000365	0.	1.608871
36 HR	5.291947	0.023875	0.024392	0.000105	0.	0.843560
48 HR	5.384110	0.006875	0.024797	0.000030	0.	0.396904
60 HR	5.410648	0.001980	0.024914	0.000009	0.	0.176653
72 HR	5.418290	0.000570	0.024947	0.000003	0.	0.076122
84 HR	5.420490	0.000164	0.024957	0.000001	0.	0.032147
96 HR	5.421124	0.000047	0.024960	0.000000	0.	0.013398
108 HR	5.421306	0.000014	0.024961	0.000000	0.	0.005535
120 HR	5.421359	0.000004	0.024961	0.000000	0.	0.002273
132 HR	5.421374	0.000001	0.024961	0.000000	0.	0.000930

SATURATED IODINE 5.421380
SATURATED XENON 0.024961

TIME	A	B	C	D	E	SHUTDOWN	TRANSIENT	TIME	A	B	C	D	E	SHUTDOWN	TRANSIENT
HOURS	IODINE	XENON	93.00	XENON	XENON	TRANSIENT	TRANSIENT	HOURS	IODINE	XENON	94.00	XENON	XENON	TRANSIENT	TRANSIENT
0 SEC	0.000789	1.000000	0.000040	0.000142	1.000000	0.024962	0.025748	0 SEC	0.000798	1.000000	0.000040	0.000142	1.000000	0.024963	0.025748
5 SEC	0.001579	0.999856	0.000078	0.000279	0.996348	0.025748	0.026536	5 SEC	0.001596	0.999856	0.000078	0.000279	0.996348	0.025748	0.026536
10 SEC	0.003172	0.999712	0.000122	0.000442	0.991821	0.026536	0.027322	10 SEC	0.003187	0.999712	0.000122	0.000442	0.991821	0.027322	0.027322
30 SEC	0.004368	0.999136	0.000222	0.000742	0.981821	0.027322	0.028112	30 SEC	0.004378	0.999136	0.000222	0.000742	0.981821	0.028112	0.028112
60 SEC	0.004968	0.998272	0.000342	0.001042	0.967943	0.028112	0.028902	60 SEC	0.004978	0.998272	0.000342	0.001042	0.967943	0.028902	0.028902
2 MIN	0.005172	0.996548	0.000492	0.001392	0.945017	0.028902	0.029692	2 MIN	0.005182	0.996548	0.000492	0.001392	0.945017	0.029692	0.029692
5 MIN	0.004872	0.991392	0.000692	0.001662	0.913597	0.029692	0.030482	5 MIN	0.004882	0.991392	0.000692	0.001662	0.913597	0.030482	0.030482
10 MIN	0.003948	0.982857	0.001166	0.002372	0.845017	0.030482	0.031272	10 MIN	0.003958	0.982857	0.001166	0.002372	0.845017	0.031272	0.031272
30 MIN	0.002703	0.949448	0.002318	0.004132	0.618488	0.031272	0.032062	30 MIN	0.002713	0.949448	0.002318	0.004132	0.618488	0.032062	0.032062
60 MIN	0.001522	0.901452	0.003463	0.005581	0.450304	0.032062	0.032852	60 MIN	0.001532	0.901452	0.003463	0.005581	0.450304	0.032852	0.032852
2 HR	0.000732	0.812616	0.005581	0.005581	0.000000	0.032852	0.033642	2 HR	0.000742	0.812616	0.005581	0.005581	0.000000	0.033642	0.033642
4 HR	1.861417	0.663045	0.009213	0.008874	0.000000	0.033642	0.034432	4 HR	1.861427	0.663045	0.009213	0.008874	0.000000	0.034432	0.034432
8 HR	3.090593	0.436055	0.015662	0.018898	0.000000	0.034432	0.035222	8 HR	3.090603	0.436055	0.015662	0.018898	0.000000	0.035222	0.035222
12 HR	3.502273	0.287846	0.018094	0.020123	0.000000	0.035222	0.036012	12 HR	3.502283	0.287846	0.018094	0.020123	0.000000	0.036012	0.036012
24 HR	3.525918	0.082913	0.022982	0.023364	0.000000	0.036012	0.036802	24 HR	3.525928	0.082913	0.022982	0.023364	0.000000	0.036802	0.036802
36 HR	3.549466	0.023875	0.024798	0.025030	0.000000	0.036802	0.037592	36 HR	3.549476	0.023875	0.024798	0.025030	0.000000	0.037592	0.037592
48 HR	3.542633	0.006875	0.024918	0.025030	0.000000	0.037592	0.038382	48 HR	3.542643	0.006875	0.024918	0.025030	0.000000	0.038382	0.038382
60 HR	3.469460	0.001980	0.024918	0.025030	0.000000	0.038382	0.039172	60 HR	3.469470	0.001980	0.024918	0.025030	0.000000	0.039172	0.039172
72 HR	3.477184	0.000570	0.024918	0.025030	0.000000	0.039172	0.039962	72 HR	3.477194	0.000570	0.024918	0.025030	0.000000	0.039962	0.039962

[illegible]

TIME HOURS	IODINE		MW/KG	97.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024965
5 SEC	0.000823	0.999856	0.000041	0.000142	0.965935	0.025786
10 SEC	0.001647	0.999712	0.000082	0.000278	0.932984	0.026607
30 SEC	0.004939	0.999136	0.000230	0.000780	0.812144	0.029887
60 SEC	0.009875	0.998272	0.000421	0.001413	0.659561	0.034803
2 MIN	0.019733	0.996548	0.000713	0.002343	0.435031	0.044611
5 MIN	0.049206	0.991392	0.001183	0.003615	0.124823	0.073860
10 MIN	0.097989	0.982857	0.001508	0.004036	0.015580	0.122028
30 MIN	0.288955	0.949448	0.002322	0.003961	0.000004	0.307577
60 MIN	0.563302	0.901452	0.003467	0.003761	0.000000	0.565409
2 HR	1.071092	0.812616	0.005586	0.003390	0.000000	1.013197
4 HR	1.941478	0.660345	0.009217	0.002755	0.	1.677383
8 HR	3.223522	0.436055	0.014566	0.001819	0.	2.366450
12 HR	4.070112	0.287946	0.018098	0.001201	0.	2.451978
24 HR	5.242087	0.082913	0.022988	0.000346	0.	1.696087
36 HR	5.579553	0.023875	0.024396	0.000100	0.	0.889315
48 HR	5.676725	0.006875	0.024801	0.000029	0.	0.418438
60 HR	5.704705	0.001980	0.024918	0.000008	0.	0.186239
72 HR	5.712762	0.000570	0.024952	0.000002	0.	0.080253
84 HR	5.715082	0.000164	0.024961	0.000001	0.	0.033892
96 HR	5.715750	0.000047	0.024964	0.000000	0.	0.014126
108 HR	5.715942	0.000014	0.024965	0.000000	0.	0.005836
120 HR	5.715998	0.000004	0.024965	0.000000	0.	0.002396
132 HR	5.716014	0.000001	0.024965	0.000000	0.	0.000980

SATURATED IODINE 5.716020
SATURATED XENON 0.024965

TIME HOURS	IODINE		MW/KG	98.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024966
5 SEC	0.000832	0.999856	0.000042	0.000141	0.965591	0.025795
10 SEC	0.001664	0.999712	0.000083	0.000278	0.932319	0.026624
30 SEC	0.004990	0.999136	0.000233	0.000779	0.810409	0.029939
60 SEC	0.009977	0.998272	0.000425	0.001410	0.656746	0.034906
2 MIN	0.019937	0.996548	0.000718	0.002334	0.431326	0.044815
5 MIN	0.049713	0.991392	0.001187	0.003589	0.122182	0.074367
10 MIN	0.098999	0.982857	0.001510	0.003997	0.014928	0.123032
30 MIN	0.291933	0.949448	0.002323	0.003921	0.000003	0.310500
60 MIN	0.569109	0.901452	0.003468	0.003723	0.000000	0.570999
2 HR	1.082134	0.812616	0.005587	0.003356	0.000000	1.023422
4 HR	1.961493	0.660345	0.009218	0.002777	0.	1.694485
8 HR	3.256754	0.436055	0.014567	0.001801	0.	2.360397
12 HR	4.112072	0.287946	0.018099	0.001189	0.	2.477152
24 HR	5.296129	0.082913	0.022989	0.000342	0.	1.713531
36 HR	5.637074	0.023875	0.024397	0.000099	0.	0.898466
48 HR	5.735248	0.006875	0.024802	0.000028	0.	0.422745
60 HR	5.763517	0.001980	0.024919	0.000008	0.	0.188156
72 HR	5.771656	0.000570	0.024952	0.000002	0.	0.081080
84 HR	5.774000	0.000164	0.024962	0.000001	0.	0.034240
96 HR	5.774675	0.000047	0.024965	0.000000	0.	0.014271
108 HR	5.774870	0.000014	0.024966	0.000000	0.	0.005896
120 HR	5.774926	0.000004	0.024966	0.000000	0.	0.002421
132 HR	5.774942	0.000001	0.024966	0.000000	0.	0.000990

SATURATED IODINE 5.774948
SATURATED XENON 0.024966

TIME HOURS	IODINE		MW/KG	99.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024967
5 SEC	0.000840	0.999856	0.000042	0.000141	0.965247	0.025804
10 SEC	0.001681	0.999712	0.000083	0.000278	0.931654	0.026642
30 SEC	0.005041	0.999136	0.000235	0.000779	0.808677	0.029991
60 SEC	0.010079	0.998272	0.000428	0.001408	0.653942	0.035008
2 MIN	0.020140	0.996548	0.000723	0.002326	0.427651	0.045019
5 MIN	0.050220	0.991392	0.001190	0.003564	0.119597	0.074873
10 MIN	0.100009	0.982857	0.001512	0.003959	0.014303	0.124037
30 MIN	0.294912	0.949448	0.002324	0.003881	0.000003	0.313424
60 MIN	0.574916	0.901452	0.003469	0.003685	0.000000	0.576590
2 HR	1.093176	0.812616	0.005588	0.003322	0.000000	1.033646
4 HR	1.981508	0.660345	0.009219	0.002659	0.	1.711588
8 HR	3.289986	0.436055	0.014568	0.001783	0.	2.384343
12 HR	4.154032	0.287946	0.018100	0.001177	0.	2.502326
24 HR	5.350171	0.082913	0.022989	0.000339	0.	1.730974
36 HR	5.694595	0.023875	0.024397	0.000098	0.	0.907618
48 HR	5.793771	0.006875	0.024803	0.000028	0.	0.427052
60 HR	5.822328	0.001980	0.024919	0.000008	0.	0.190073
72 HR	5.830551	0.000570	0.024953	0.000002	0.	0.081906
84 HR	5.832919	0.000164	0.024963	0.000001	0.	0.034589
96 HR	5.833600	0.000047	0.024966	0.000000	0.	0.014416
108 HR	5.833797	0.000014	0.024966	0.000000	0.	0.005956
120 HR	5.833853	0.000004	0.024967	0.000000	0.	0.002446
132 HR	5.833870	0.000001	0.024967	0.000000	0.	0.001000

SATURATED IODINE 5.833876
SATURATED XENON 0.024967

TIME HOURS	IODINE		MW/KG	100.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024967
5 SEC	0.000849	0.999856	0.000043	0.000141	0.964903	0.025813
10 SEC	0.001698	0.999712	0.000084	0.000278	0.930990	0.026660
30 SEC	0.005092	0.999136	0.000237	0.000778	0.806950	0.030042
60 SEC	0.010181	0.998272	0.000432	0.001405	0.651151	0.035111
2 MIN	0.020344	0.996548	0.000727	0.002317	0.424009	0.045223
5 MIN	0.050728	0.991392	0.001194	0.003538	0.117066	0.075380
10 MIN	0.101019	0.982857	0.001513	0.003922	0.013704	0.125042
30 MIN	0.297891	0.949448	0.002325	0.003842	0.000003	0.316348
60 MIN	0.580724	0.901452	0.003470	0.003648	0.000000	0.582181
2 HR	1.104218	0.812616	0.005588	0.003289	0.000000	1.043871
4 HR	2.001523	0.660345	0.009220	0.002672	0.	1.728691
8 HR	3.323218	0.436055	0.014569	0.001765	0.	2.408290
12 HR	4.195992	0.287946	0.018101	0.001165	0.	2.527501
24 HR	5.404213	0.082913	0.022990	0.000336	0.	1.748417
36 HR	5.752116	0.023875	0.024398	0.000097	0.	0.916769
48 HR	5.852294	0.006875	0.024803	0.000028	0.	0.431359
60 HR	5.881139	0.001980	0.024920	0.000008	0.	0.191990
72 HR	5.889445	0.000570	0.024954	0.000002	0.	0.082732
84 HR	5.891837	0.000164	0.024963	0.000001	0.	0.034938
96 HR	5.892526	0.000047	0.024966	0.000000	0.	0.014562
108 HR	5.892724	0.000014	0.024967	0.000000	0.	0.006016
120 HR	5.892781	0.000004	0.024967	0.000000	0.	0.002471
132 HR	5.892798	0.000001	0.024967	0.000000	0.	0.001010

SATURATED IODINE 5.892804
SATURATED XENON 0.024967

	IODINE		MW/KG	105.00		SHUTDOWN	
TIME HOURS	A	B	C	XENON D	E	TRANSIENT	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024971	
5 SEC	0.000891	0.999856	0.000045	0.000141	0.963186	0.025859	
10 SEC	0.001783	0.999712	0.000088	0.000278	0.927677	0.026748	
30 SEC	0.005347	0.999136	0.000247	0.000774	0.798367	0.030300	
60 SEC	0.010690	0.998272	0.000449	0.001391	0.637372	0.035623	
2 MIN	0.021361	0.996548	0.000750	0.002275	0.406254	0.046242	
5 MIN	0.053264	0.991392	0.001212	0.003415	0.105193	0.077911	
10 MIN	0.106070	0.982857	0.001521	0.003745	0.011065	0.130064	
30 MIN	0.312786	0.949448	0.002330	0.003659	0.000001	0.330966	
60 MIN	0.609760	0.901452	0.003475	0.003474	0.000000	0.610136	
2 HR	1.159429	0.812616	0.005593	0.003132	0.000000	1.094994	
4 HR	2.101599	0.660345	0.009224	0.002545	0.	1.814204	
8 HR	3.489379	0.436055	0.014573	0.001681	0.	2.528023	
12 HR	4.405792	0.287946	0.018104	0.001110	0.	2.653372	
24 HR	5.674424	0.082913	0.022994	0.000320	0.	1.835634	
36 HR	6.039722	0.023875	0.024402	0.000092	0.	0.962525	
48 HR	6.144908	0.006875	0.024807	0.000026	0.	0.452893	
60 HR	6.175196	0.001980	0.024924	0.000008	0.	0.201576	
72 HR	6.183918	0.000570	0.024957	0.000002	0.	0.086863	
84 HR	6.186429	0.000164	0.024967	0.000001	0.	0.036283	
96 HR	6.187152	0.000047	0.024970	0.000000	0.	0.015289	
108 HR	6.187360	0.000014	0.024971	0.000000	0.	0.006316	
120 HR	6.187420	0.000004	0.024971	0.000000	0.	0.002594	
132 HR	6.187437	0.000001	0.024971	0.000000	0.	0.001061	

SATURATED IODINE 6.187444
SATURATED XENON 0.024971

TIME HOURS	IODINE		MW/KG	110.00		XENON	SHUTDOWN TRANSIENT
	A	B	C	D	E		
0 SEC	0.	1.000000	0.	0.	1.000000	0.024974	
5 SEC	0.000933	0.999856	0.000047	0.000141	0.961472	0.025905	
10 SEC	0.001868	0.999712	0.000092	0.000277	0.924376	0.026836	
30 SEC	0.005601	0.999136	0.000258	0.000770	0.789875	0.030558	
60 SEC	0.011199	0.998272	0.000466	0.001377	0.623885	0.036135	
2 MIN	0.022378	0.996548	0.000772	0.002234	0.389243	0.047261	
5 MIN	0.055800	0.991392	0.001227	0.003299	0.094525	0.080443	
10 MIN	0.111121	0.982857	0.001528	0.003583	0.008935	0.135087	
30 MIN	0.327680	0.949448	0.002334	0.003493	0.000001	0.345585	
60 MIN	0.638796	0.901452	0.003479	0.003316	0.000000	0.638090	
2 HR	1.214640	0.812616	0.005597	0.002989	0.000000	1.146116	
4 HR	2.201676	0.660345	0.009228	0.002429	0.	1.899718	
8 HR	3.655540	0.436055	0.014576	0.001604	0.	2.647756	
12 HR	4.615591	0.287946	0.018108	0.001059	0.	2.779242	
24 HR	5.544635	0.082913	0.022997	0.000305	0.	1.922851	
36 HR	6.327328	0.023875	0.024405	0.000088	0.	1.008280	
48 HR	6.437523	0.006875	0.024810	0.000025	0.	0.474428	
60 HR	6.469253	0.001980	0.024927	0.000007	0.	0.211162	
72 HR	6.478390	0.000570	0.024960	0.000002	0.	0.090994	
84 HR	6.481021	0.000164	0.024970	0.000001	0.	0.038428	
96 HR	6.481778	0.000047	0.024973	0.000000	0.	0.016016	
108 HR	6.481996	0.000014	0.024974	0.000000	0.	0.006617	
120 HR	6.482059	0.000004	0.024974	0.000000	0.	0.002717	
132 HR	6.482077	0.000001	0.024974	0.000000	0.	0.001111	

SATURATED IODINE 6.482085
SATURATED XENON 0.024974

		MW/KG		115.00			
TIME HOURS	IODINE		XENON		SHUTDOWN TRANSIENT		
	A	B	C	D		E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024977	
5 SEC	0.000976	0.999856	0.000049	0.000141	0.959761	0.025950	
10 SEC	0.001953	0.999712	0.000096	0.000277	0.921087	0.026924	
30 SEC	0.005856	0.999136	0.000268	0.000766	0.781474	0.030815	
60 SEC	0.011708	0.998272	0.000482	0.001364	0.610683	0.036646	
2 MIN	0.023395	0.996548	0.000793	0.002194	0.372945	0.048280	
5 MIN	0.058337	0.991392	0.001242	0.003189	0.084938	0.082974	
10 MIN	0.116172	0.982857	0.001533	0.003433	0.007214	0.140109	
30 MIN	0.342575	0.949448	0.002338	0.003341	0.000000	0.360203	
60 MIN	0.667832	0.901452	0.003483	0.003172	0.000000	0.666044	
2 HR	1.269851	0.812616	0.005601	0.002859	0.000000	1.197239	
4 HR	2.301762	0.660345	0.009232	0.002323	0.	1.985231	
8 HR	3.821701	0.436055	0.014580	0.001534	0.	2.767489	
12 HR	4.825391	0.287946	0.018111	0.001013	0.	2.905113	
24 HR	6.214845	0.082913	0.023000	0.000292	0.	2.010067	
36 HR	6.614934	0.023875	0.024408	0.000084	0.	1.054036	
48 HR	6.730138	0.006875	0.024813	0.000024	0.	0.495962	
60 HR	6.763310	0.001980	0.024930	0.000007	0.	0.220748	
72 HR	6.772862	0.000570	0.024963	0.000002	0.	0.095125	
84 HR	6.775613	0.000164	0.024973	0.000001	0.	0.040172	
96 HR	6.776405	0.000047	0.024976	0.000000	0.	0.016743	
108 HR	6.776633	0.000014	0.024977	0.000000	0.	0.006917	
120 HR	6.776698	0.000004	0.024977	0.000000	0.	0.002841	
132 HR	6.776717	0.000001	0.024977	0.000000	0.	0.001162	

SATURATED IODINE 6.776725
SATURATED XENON 0.024977

TIME HOURS	IODINE		MW/KG	120.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024980
5 SEC	0.001018	0.999856	0.000051	0.000141	0.958053	0.025995
10 SEC	0.002038	0.999712	0.000100	0.000276	0.917809	0.027012
30 SEC	0.006111	0.999136	0.000278	0.000762	0.773162	0.031073
60 SEC	0.012217	0.998272	0.000498	0.001350	0.597760	0.037158
2 MIN	0.024412	0.996548	0.000813	0.002155	0.357328	0.049299
5 MIN	0.060873	0.991392	0.001255	0.003085	0.076324	0.085505
10 MIN	0.121223	0.982857	0.001539	0.003294	0.005825	0.145131
30 MIN	0.357470	0.949448	0.002342	0.003201	0.000000	0.374820
60 MIN	0.696868	0.901452	0.003486	0.003040	0.000000	0.693998
2 HR	1.325082	0.812616	0.005604	0.002740	0.000000	1.248361
4 HR	2.401828	0.660345	0.009235	0.002227	0.	2.070744
8 HR	3.987862	0.436055	0.014583	0.001470	0.	2.887221
12 HR	5.035191	0.287946	0.018114	0.000971	0.	3.030984
24 HR	6.485056	0.082913	0.023003	0.000280	0.	2.097284
36 HR	6.902539	0.023875	0.024410	0.000080	0.	1.099792
48 HR	7.022752	0.006875	0.024816	0.000023	0.	0.517497
60 HR	7.057367	0.001980	0.024932	0.000007	0.	0.230334
72 HR	7.067334	0.000570	0.024966	0.000002	0.	0.099257
84 HR	7.070204	0.000164	0.024976	0.000001	0.	0.041917
96 HR	7.071031	0.000047	0.024978	0.000000	0.	0.017471
108 HR	7.071269	0.000014	0.024979	0.000000	0.	0.007218
120 HR	7.071337	0.000004	0.024979	0.000000	0.	0.002964
132 HR	7.071357	0.000001	0.024980	0.000000	0.	0.001212

SATURATED IODINE 7.071365
SATURATED XENON 0.024980

TIME HOURS	IODINE		MW/KG	125.00 XENON		SHUTDOWN
	A	B	C	D	E	TRANSIENT

0 SEC	0.	1.000000	0.	0.	1.000000	0.024982
5 SEC	0.001061	0.999856	0.000053	0.000141	0.956348	0.026040
10 SEC	0.002123	0.999712	0.000104	0.000276	0.914543	0.027099
30 SEC	0.006365	0.999136	0.000289	0.000758	0.764938	0.031330
60 SEC	0.012726	0.998272	0.000514	0.001337	0.585111	0.037669
2 MIN	0.025429	0.996548	0.000832	0.002117	0.342366	0.050317
5 MIN	0.063409	0.991392	0.001267	0.002987	0.068584	0.088036
10 MIN	0.126274	0.982857	0.001543	0.003166	0.004704	0.150153
30 MIN	0.372364	0.949448	0.002345	0.003073	0.000000	0.389438
60 MIN	0.725904	0.901452	0.003489	0.002918	0.000000	0.721951
2 HR	1.380273	0.812616	0.005607	0.002630	0.000000	1.299483
4 HR	2.501904	0.660345	0.009238	0.002137	0.	2.156256
8 HR	4.154023	0.436055	0.014585	0.001411	0.	3.006954
12 HR	5.244990	0.287946	0.018117	0.000932	0.	3.156854
24 HR	6.755287	0.082913	0.023005	0.000268	0.	2.184500
36 HR	7.190145	0.023875	0.024413	0.000077	0.	1.145547
48 HR	7.315367	0.006875	0.024818	0.000022	0.	0.539031
60 HR	7.351424	0.001980	0.024935	0.000006	0.	0.239920
72 HR	7.361807	0.000570	0.024968	0.000002	0.	0.103388
84 HR	7.364796	0.000164	0.024978	0.000001	0.	0.043662
96 HR	7.365657	0.000047	0.024981	0.000000	0.	0.018198
108 HR	7.365905	0.000014	0.024982	0.000000	0.	0.007518
120 HR	7.365976	0.000004	0.024982	0.000000	0.	0.003087
132 HR	7.365997	0.000001	0.024982	0.000000	0.	0.001263

SATURATED IODINE 7.366005
SATURATED XENON 0.024982

	I004 NE		MW/KG		130.00 XENON		SHUTDOWN
TIME	A	B	C	D	E	TRANSIENT	
HOURS	-----						
0 SEC	0.	1.000000	0.	0.	1.000000	0.024984	
5 SEC	0.001103	0.999856	0.000055	0.000141	0.954646	0.026085	
10 SEC	0.002207	0.999712	0.000108	0.000275	0.911288	0.027186	
30 SEC	0.006620	0.999136	0.000299	0.000754	0.756802	0.031586	
60 SEC	0.013235	0.998272	0.000529	0.001324	0.572730	0.038180	
2 MIN	0.026447	0.996548	0.000850	0.002081	0.328030	0.051335	
5 MIN	0.065948	0.991392	0.001278	0.002894	0.061628	0.090567	
10 MIN	0.131325	0.982857	0.001547	0.003047	0.003798	0.155174	
30 MIN	0.387259	0.949448	0.002348	0.002955	0.000000	0.404055	
60 MIN	0.754941	0.901452	0.003492	0.002805	0.000000	0.749905	
2 HR	1.435483	0.812616	0.005610	0.002529	0.000000	1.350604	
4 HR	2.601980	0.660345	0.009241	0.002055	0.	2.241769	
8 HR	4.320184	0.436055	0.014588	0.001357	0.	3.126686	
12 HR	5.454790	0.287946	0.018119	0.000896	0.	3.282724	
24 HR	7.025477	0.082913	0.023007	0.000258	0.	2.271717	
36 HR	7.477751	0.023875	0.024415	0.000074	0.	1.191303	
48 HR	7.607982	0.006875	0.024820	0.000021	0.	0.560565	
60 HR	7.645481	0.001980	0.024937	0.000006	0.	0.249506	
72 HR	7.656279	0.000570	0.024971	0.000002	0.	0.107519	
84 HR	7.659388	0.000164	0.024980	0.000001	0.	0.045406	
96 HR	7.660283	0.000047	0.024983	0.000000	0.	0.018925	
108 HR	7.660541	0.000014	0.024984	0.000000	0.	0.007819	
120 HR	7.660615	0.000004	0.024984	0.000000	0.	0.003211	
132 HR	7.660637	0.000001	0.024984	0.000000	0.	0.001313	

SATURATED IODINE 7.660645
SATURATED XENON 0.024984

TIME HOURS	IODINE		MW/KG	135.00		SHUTDOWN TRANSIENT	
	A	B	C	XENON	D		E

0 SEC	0.	1.000000	0.	0.	1.000000	0.024986	
5 SEC	0.001145	0.999856	0.000057	0.000141	0.952947	0.026129	
10 SEC	0.002292	0.999712	0.000112	0.000275	0.908046	0.027273	
30 SEC	0.006875	0.999136	0.000308	0.000750	0.748752	0.031843	
60 SEC	0.013744	0.998272	0.000545	0.001312	0.560610	0.038691	
2 MIN	0.027464	0.996548	0.000868	0.002045	0.314295	0.052353	
5 MIN	0.068482	0.991392	0.001287	0.002805	0.055378	0.093097	
10 MIN	0.136376	0.982857	0.001551	0.002936	0.003067	0.160195	
30 MIN	0.402153	0.949448	0.002351	0.002845	0.000000	0.418672	
60 MIN	0.783977	0.901452	0.003495	0.002701	0.000000	0.777858	
2 HR	1.490694	0.812616	0.005613	0.002435	0.000000	1.401726	
4 HR	2.702056	0.660345	0.009243	0.001979	0.	2.327822	
8 HR	4.486345	0.436055	0.014590	0.001307	0.	3.246419	
12 HR	5.664589	0.287946	0.018121	0.000863	0.	3.408595	
24 HR	7.295688	0.082913	0.023010	0.000248	0.	2.358934	
36 HR	7.765357	0.023875	0.024417	0.000072	0.	1.237059	
48 HR	7.900596	0.006875	0.024822	0.000021	0.	0.582100	
60 HR	7.939538	0.001980	0.024939	0.000006	0.	0.259092	
72 HR	7.950751	0.000570	0.024973	0.000002	0.	0.111650	
84 HR	7.953980	0.000164	0.024982	0.000000	0.	0.047151	
96 HR	7.954910	0.000047	0.024985	0.000000	0.	0.019652	
108 HR	7.955177	0.000014	0.024986	0.000000	0.	0.008119	
120 HR	7.955255	0.000004	0.024986	0.000000	0.	0.003334	
132 HR	7.955277	0.000001	0.024986	0.000000	0.	0.001364	

SATURATED IODINE 7.955286
SATURATED XENON 0.024986

TIME HOURS	IODINE		MW/KG	140.00 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024988
5 SEC	0.001188	0.999856	0.000059	0.000140	0.951252	0.026174
10 SEC	0.002377	0.999712	0.000116	0.000274	0.904814	0.027360
30 SEC	0.007129	0.999136	0.000318	0.000747	0.740788	0.032100
60 SEC	0.014253	0.998272	0.000559	0.001299	0.548747	0.039201
2 MIN	0.028481	0.996548	0.000885	0.002010	0.301135	0.053371
5 MIN	0.071019	0.991392	0.001296	0.002721	0.049762	0.095628
10 MIN	0.141427	0.982857	0.001554	0.002833	0.002476	0.165217
30 MIN	0.417048	0.949448	0.002353	0.002744	0.000000	0.433289
60 MIN	0.813013	0.901452	0.003498	0.002605	0.000000	0.805811
2 HR	1.545905	0.812616	0.005616	0.002348	0.000000	1.452847
4 HR	2.802133	0.660345	0.009246	0.001908	0.	2.412794
8 HR	4.652506	0.436055	0.014593	0.001260	0.	3.366151
12 HR	5.874389	0.287946	0.018124	0.000832	0.	3.534465
24 HR	7.565899	0.082913	0.023012	0.000240	0.	2.446150
36 HR	8.052963	0.023875	0.024419	0.000069	0.	1.282814
48 HR	8.193211	0.006875	0.024824	0.000020	0.	0.603634
60 HR	8.233595	0.001980	0.024941	0.000006	0.	0.268678
72 HR	8.245223	0.000570	0.024975	0.000002	0.	0.115781
84 HR	8.248572	0.000164	0.024984	0.000000	0.	0.048896
96 HR	8.249536	0.000047	0.024987	0.000000	0.	0.020379
108 HR	8.249814	0.000014	0.024988	0.000000	0.	0.008419
120 HR	8.249894	0.000004	0.024988	0.000000	0.	0.003458
132 HR	8.249917	0.000001	0.024988	0.000000	0.	0.001414

SATURATED IODINE 8.249926
SATURATED XENON 0.024988

TIME HOURS	IODINE		MW/KG	145.00 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024990
5 SEC	0.001230	0.999836	0.000061	0.000140	0.949559	0.026218
10 SEC	0.002462	0.999712	0.000120	0.000274	0.901595	0.027447
30 SEC	0.007384	0.999136	0.000328	0.000743	0.732909	0.032356
60 SEC	0.014762	0.998272	0.000574	0.001287	0.537135	0.039712
2 MIN	0.029498	0.996548	0.000901	0.001975	0.288525	0.054389
5 MIN	0.073555	0.991392	0.001304	0.002641	0.044715	0.098158
10 MIN	0.146478	0.982857	0.001557	0.002737	0.001999	0.170238
30 MIN	0.431942	0.949448	0.002356	0.002649	0.000000	0.447906
60 MIN	0.842049	0.901452	0.003500	0.002515	0.000000	0.833764
2 HR	1.601116	0.812616	0.005618	0.002267	0.000000	1.503969
4 HR	2.902209	0.660345	0.009248	0.001842	0.	2.498306
8 HR	4.818666	0.436055	0.014595	0.001217	0.	3.485883
12 HR	6.084189	0.287946	0.018126	0.000803	0.	3.660335
24 HR	7.836109	0.082913	0.023013	0.000231	0.	2.533366
36 HR	8.340568	0.023875	0.024421	0.000067	0.	1.328570
48 HR	8.485826	0.006875	0.024826	0.000019	0.	0.625169
60 HR	8.527652	0.001980	0.024943	0.000006	0.	0.278264
72 HR	8.539696	0.000570	0.024976	0.000002	0.	0.119912
84 HR	8.543164	0.000164	0.024986	0.000000	0.	0.050641
96 HR	8.544162	0.000047	0.024989	0.000000	0.	0.021107
108 HR	8.544450	0.000014	0.024990	0.000000	0.	0.008720
120 HR	8.544533	0.000004	0.024990	0.000000	0.	0.003581
132 HR	8.544556	0.000001	0.024990	0.000000	0.	0.001464

SATURATED IODINE 8.544566
SATURATED XENON 0.024990

TIME HOURS	IODINE		MW/KG	150.00 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024992
5 SEC	0.001273	0.999856	0.000064	0.000140	0.947869	0.026262
10 SEC	0.002547	0.999712	0.000124	0.000273	0.898386	0.027533
30 SEC	0.007638	0.999136	0.000338	0.000739	0.725113	0.032612
60 SEC	0.015271	0.998272	0.000588	0.001274	0.525769	0.040222
2 MIN	0.030515	0.996548	0.000917	0.001942	0.276444	0.055406
5 MIN	0.076091	0.991392	0.001312	0.002565	0.040180	0.100688
10 MIN	0.151529	0.982857	0.001560	0.002646	0.001614	0.175259
30 MIN	0.446837	0.949448	0.002358	0.002561	0.000000	0.462523
60 MIN	0.871085	0.901452	0.003502	0.002431	0.000000	0.861717
2 HR	1.656327	0.812616	0.005620	0.002192	0.000000	1.555090
4 HR	3.002285	0.660345	0.009250	0.001781	0.	2.583818
8 HR	4.984827	0.436055	0.014597	0.001176	0.	3.605615
12 HR	6.293988	0.287946	0.018127	0.000777	0.	3.786206
24 HR	8.106320	0.082913	0.023015	0.000224	0.	2.620583
36 HR	8.628174	0.023875	0.024423	0.000064	0.	1.374326
48 HR	8.778440	0.006875	0.024828	0.000019	0.	0.646703
60 HR	8.821709	0.001980	0.024945	0.000005	0.	0.287850
72 HR	8.834168	0.000570	0.024978	0.000002	0.	0.124043
84 HR	8.837756	0.000164	0.024988	0.000000	0.	0.052385
96 HR	8.838789	0.000047	0.024991	0.000000	0.	0.021834
108 HR	8.839086	0.000014	0.024991	0.000000	0.	0.009020
120 HR	8.839172	0.000004	0.024992	0.000000	0.	0.003704
132 HR	8.839196	0.000001	0.024992	0.000000	0.	0.001515

SATURATED IODINE 8.839206
SATURATED XENON 0.024992

TIME HOURS	IODINE		MW/KG	155.00	XENON		SHUTDOWN TRANSIENT
	A	B	C		D	E	
0 SEC	0.	1.000000	0.		0.	1.000000	0.024993
5 SEC	0.001315	0.999856	0.000066		0.000140	0.946182	0.026306
10 SEC	0.002632	0.999712	0.000128		0.000273	0.895189	0.027620
30 SEC	0.007893	0.999136	0.000347		0.000735	0.717401	0.032868
60 SEC	0.015780	0.998272	0.000602		0.001262	0.514644	0.040733
2 MIN	0.031533	0.996548	0.000931		0.001910	0.264869	0.056424
5 MIN	0.078628	0.991392	0.001319		0.002493	0.036105	0.103218
10 MIN	0.156580	0.982857	0.001562		0.002562	0.001304	0.180279
30 MIN	0.461731	0.949448	0.002360		0.002478	0.000000	0.477140
60 MIN	0.900122	0.901452	0.003504		0.002353	0.000000	0.889670
2 HR	1.711538	0.812616	0.005622		0.002121	0.000000	1.606211
4 HR	3.102361	0.660345	0.009252		0.001723	0.	2.669331
8 HR	5.150988	0.436055	0.014599		0.001138	0.	3.725347
12 HR	6.503788	0.287946	0.018129		0.000752	0.	3.912076
24 HR	8.376531	0.082913	0.023017		0.000216	0.	2.707799
36 HR	8.915780	0.023875	0.024424		0.000062	0.	1.420081
48 HR	9.071055	0.006875	0.024829		0.000018	0.	0.668238
60 HR	9.115766	0.001980	0.024946		0.000005	0.	0.297436
72 HR	9.128640	0.000570	0.024980		0.000001	0.	0.128174
84 HR	9.132347	0.000164	0.024989		0.000000	0.	0.054130
96 HR	9.133415	0.000047	0.024992		0.000000	0.	0.022561
108 HR	9.133722	0.000014	0.024993		0.000000	0.	0.009321
120 HR	9.133811	0.000004	0.024993		0.000000	0.	0.003828
132 HR	9.133836	0.000001	0.024993		0.000000	0.	0.001565

SATURATED IODINE 9.133847
SATURATED XENON 0.024993

TIME HOURS	IODINE		MW/KG	160.00 XENON		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.024995
5 SEC	0.001358	0.999856	0.000068	0.000140	0.944498	0.026350
10 SEC	0.002717	0.999712	0.000132	0.000272	0.892004	0.027706
30 SEC	0.008148	0.999136	0.000356	0.000732	0.709770	0.033124
60 SEC	0.016289	0.998272	0.000615	0.001250	0.503753	0.041243
2 MIN	0.032550	0.996548	0.000946	0.001878	0.253778	0.057441
5 MIN	0.081164	0.991392	0.001325	0.002424	0.032443	0.105748
10 MIN	0.161631	0.982857	0.001565	0.002482	0.001053	0.185300
30 MIN	0.476626	0.949448	0.002362	0.002400	0.000000	0.491756
60 MIN	0.929158	0.901452	0.003506	0.002279	0.000000	0.917622
2 HR	1.766749	0.812616	0.005624	0.002054	0.000000	1.657332
4 HR	3.202437	0.660345	0.009254	0.001670	0.	2.754843
8 HR	5.317149	0.436055	0.014600	0.001102	0.	3.845079
12 HR	6.713587	0.287946	0.018131	0.000728	0.	4.037946
24 HR	8.646741	0.082913	0.023018	0.000210	0.	2.795016
36 HR	9.203386	0.023875	0.024426	0.000060	0.	1.465837
48 HR	9.363670	0.006875	0.024831	0.000017	0.	0.689772
60 HR	9.409823	0.001980	0.024948	0.000005	0.	0.307022
72 HR	9.423112	0.000570	0.024981	0.000001	0.	0.132305
84 HR	9.426939	0.000164	0.024991	0.000000	0.	0.055875
96 HR	9.428041	0.000047	0.024994	0.000000	0.	0.023288
108 HR	9.428358	0.000014	0.024994	0.000000	0.	0.009621
120 HR	9.428450	0.000004	0.024995	0.000000	0.	0.003951
132 HR	9.428476	0.000001	0.024995	0.000000	0.	0.001616

SATURATED IODINE 9.428487
SATURATED XENON 0.024995

TIME HOURS	MW/KG 165.00		XENON		SHUTDOWN TRANSIENT
	IODINE A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.001400	0.999856	0.000070	0.000140	0.942818
10 SEC	0.002802	0.999712	0.000136	0.000272	0.888830
30 SEC	0.008402	0.999136	0.000366	0.000728	0.702221
60 SEC	0.016798	0.998272	0.000629	0.001238	0.493093
2 MIN	0.033567	0.996548	0.000960	0.001847	0.243151
5 MIN	0.083700	0.991392	0.001330	0.002359	0.029153
10 MIN	0.166681	0.982857	0.001567	0.002407	0.000850
30 MIN	0.491521	0.949448	0.002364	0.002328	0.000000
60 MIN	0.958194	0.901452	0.003508	0.002210	0.000000
2 HR	1.821960	0.812616	0.005626	0.001992	0.000000
4 HR	3.302513	0.660345	0.009255	0.001619	0.
8 HR	5.483310	0.436055	0.014602	0.001069	0.
12 HR	6.923387	0.287946	0.018132	0.000706	0.
24 HR	8.916952	0.082913	0.023020	0.000203	0.
36 HR	9.490992	0.023875	0.024427	0.000059	0.
48 HR	9.656284	0.006875	0.024832	0.000017	0.
60 HR	9.703880	0.001980	0.024949	0.000005	0.
72 HR	9.717585	0.000570	0.024983	0.000001	0.
84 HR	9.721531	0.000164	0.024992	0.000000	0.
96 HR	9.722667	0.000047	0.024995	0.000000	0.
108 HR	9.722995	0.000014	0.024996	0.000000	0.
120 HR	9.723089	0.000004	0.024996	0.000000	0.
132 HR	9.723116	0.000001	0.024996	0.000000	0.

SATURATED IODINE 9.723127
SATURATED XENON 0.024996

TIME HOURS	MW/KG 170.00		XENON		SHUTDOWN TRANSIENT
	IODINE A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.001442	0.999856	0.000072	0.000140	0.941140
10 SEC	0.002887	0.999712	0.000140	0.000271	0.885667
30 SEC	0.008657	0.999136	0.000375	0.000724	0.694752
60 SEC	0.017307	0.998272	0.000642	0.001227	0.482659
2 MIN	0.034584	0.996548	0.000973	0.001817	0.232970
5 MIN	0.086237	0.991392	0.001336	0.002297	0.026196
10 MIN	0.171732	0.982857	0.001569	0.002337	0.000686
30 MIN	0.506415	0.949448	0.002366	0.002259	0.000000
60 MIN	0.987230	0.901452	0.003510	0.002145	0.000000
2 HR	1.877171	0.812616	0.005627	0.001934	0.000000
4 HR	3.402590	0.660345	0.009257	0.001571	0.
8 HR	5.649471	0.436055	0.014603	0.001038	0.
12 HR	7.133187	0.287946	0.018134	0.000685	0.
24 HR	9.187163	0.082913	0.023021	0.000197	0.
36 HR	9.778597	0.023875	0.024428	0.000057	0.
48 HR	9.848899	0.006875	0.024834	0.000016	0.
60 HR	9.979737	0.001980	0.024950	0.000005	0.
72 HR	10.012057	0.000570	0.024984	0.000001	0.
84 HR	10.016123	0.000164	0.024994	0.000000	0.
96 HR	10.017294	0.000047	0.024996	0.000000	0.
108 HR	10.017631	0.000014	0.024997	0.000000	0.
120 HR	10.017728	0.000004	0.024997	0.000000	0.
132 HR	10.017756	0.000001	0.024997	0.000000	0.

SATURATED IODINE 10.017767
SATURATED XENON 0.024997

TIME HOURS	MW/KG 175.00		XENON		SHUTDOWN TRANSIENT
	IODINE A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.001485	0.999856	0.000074	0.000140	0.939465
10 SEC	0.002972	0.999712	0.000143	0.000271	0.882515
30 SEC	0.008911	0.999136	0.000384	0.000721	0.687362
60 SEC	0.017816	0.998272	0.000654	0.001215	0.472446
2 MIN	0.035601	0.996548	0.000985	0.001787	0.223215
5 MIN	0.088773	0.991392	0.001340	0.002237	0.023540
10 MIN	0.176783	0.982857	0.001570	0.002271	0.000554
30 MIN	0.521310	0.949448	0.002367	0.002195	0.000000
60 MIN	1.016266	0.901452	0.003512	0.002084	0.000000
2 HR	1.932382	0.812616	0.005629	0.001878	0.
4 HR	3.502666	0.660345	0.009259	0.001526	0.
8 HR	5.815632	0.436055	0.014605	0.001008	0.
12 HR	7.342986	0.287946	0.018135	0.000666	0.
24 HR	9.457373	0.082913	0.023022	0.000192	0.
36 HR	10.066203	0.023875	0.024430	0.000055	0.
48 HR	10.241514	0.006875	0.024835	0.000016	0.
60 HR	10.291994	0.001980	0.024952	0.000005	0.
72 HR	10.306529	0.000570	0.024985	0.000001	0.
84 HR	10.310715	0.000164	0.024995	0.000000	0.
96 HR	10.311920	0.000047	0.024998	0.000000	0.
108 HR	10.312267	0.000014	0.024998	0.000000	0.
120 HR	10.312367	0.000004	0.024999	0.000000	0.
132 HR	10.312398	0.000001	0.024999	0.000000	0.

SATURATED IODINE 10.312407
SATURATED XENON 0.024999

TIME HOURS	MW/KG 180.00		XENON		SHUTDOWN TRANSIENT
	IODINE A	B	C	D	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.001527	0.999856	0.000076	0.000139	0.937793
10 SEC	0.003057	0.999712	0.000147	0.000270	0.879375
30 SEC	0.009166	0.999136	0.000393	0.000717	0.680351
60 SEC	0.018325	0.998272	0.000667	0.001204	0.462448
2 MIN	0.036618	0.996548	0.000997	0.001759	0.213868
5 MIN	0.091310	0.991392	0.001345	0.002180	0.021152
10 MIN	0.181834	0.982857	0.001572	0.002208	0.000447
30 MIN	0.536204	0.949448	0.002369	0.002134	0.000000
60 MIN	1.045302	0.901452	0.003513	0.002026	0.000000
2 HR	1.987593	0.812616	0.005631	0.001826	0.
4 HR	3.602742	0.660345	0.009260	0.001484	0.
8 HR	5.981793	0.436055	0.014606	0.000980	0.
12 HR	7.552786	0.287946	0.018136	0.000647	0.
24 HR	9.727584	0.082913	0.023024	0.000186	0.
36 HR	10.353809	0.023875	0.024431	0.000054	0.
48 HR	10.534129	0.006875	0.024836	0.000015	0.
60 HR	10.586051	0.001980	0.024953	0.000004	0.
72 HR	10.601002	0.000570	0.024986	0.000001	0.
84 HR	10.605307	0.000164	0.024996	0.000000	0.
96 HR	10.606546	0.000047	0.024999	0.000000	0.
108 HR	10.606903	0.000014	0.025000	0.000000	0.
120 HR	10.607006	0.000004	0.025000	0.000000	0.
132 HR	10.607036	0.000001	0.025000	0.000000	0.

SATURATED IODINE 10.607048
SATURATED XENON 0.025000

TIME HOURS	IODINE		MW/KG	185.00	XENON		SHUTDOWN TRANSIENT
	A	B	C		D	E	
0 SEC	0.	1.000000	0.		0.	1.000000	0.025001
5 SEC	0.001570	0.999856	0.000078		0.000139	0.936124	0.026568
10 SEC	0.003141	0.999712	0.000151		0.000270	0.876245	0.028137
30 SEC	0.009421	0.999136	0.000402		0.000713	0.672818	0.034403
60 SEC	0.018835	0.998272	0.000679		0.001193	0.452663	0.043793
2 MIN	0.037636	0.996548	0.001009		0.001731	0.204913	0.062527
5 MIN	0.093846	0.991392	0.001349		0.002126	0.019007	0.118396
10 MIN	0.186885	0.982857	0.001574		0.002148	0.000361	0.210403
30 MIN	0.551099	0.949448	0.002370		0.002076	0.000000	0.564838
60 MIN	1.074339	0.901452	0.003515		0.001971	0.000000	1.057384
2 HR	2.042803	0.812616	0.005632		0.001777	0.	1.912936
4 HR	3.702818	0.660345	0.009261		0.001444	0.	3.182402
8 HR	6.147954	0.436055	0.014607		0.000953	0.	4.443739
12 HR	7.762586	0.287946	0.018138		0.000630	0.	4.667296
24 HR	9.997795	0.082913	0.023025		0.000181	0.	3.231097
36 HR	10.641415	0.023875	0.024432		0.000052	0.	1.694615
48 HR	10.826743	0.006875	0.024837		0.000015	0.	0.797444
60 HR	10.880108	0.001980	0.024954		0.000004	0.	0.354951
72 HR	10.895474	0.000570	0.024987		0.000001	0.	0.152961
84 HR	10.899899	0.000164	0.024997		0.000000	0.	0.064598
96 HR	10.901173	0.000047	0.025000		0.000000	0.	0.026924
108 HR	10.901539	0.000014	0.025001		0.000000	0.	0.011123
120 HR	10.901645	0.000004	0.025001		0.000000	0.	0.004568
132 HR	10.901675	0.000001	0.025001		0.000000	0.	0.001888

SATURATED IODINE 10.901688
SATURATED XENON 0.025001

TIME HOURS	IODINE		MW/KG	190.00	XENON		SHUTDOWN
	A	B	C	D	E	TRANSIENT	

0 SEC	0.	1.000000	0.	0.	1.000000	0.025002	
5 SEC	0.001612	0.999856	0.000080	0.000139	0.934458	0.026612	
10 SEC	0.003226	0.999712	0.000155	0.000269	0.873127	0.028223	
30 SEC	0.009675	0.999136	0.000411	0.000710	0.665662	0.034659	
60 SEC	0.019344	0.998272	0.000691	0.001182	0.443084	0.044302	
2 MIN	0.038653	0.996548	0.001020	0.001704	0.196333	0.063544	
5 MIN	0.096382	0.991392	0.001352	0.002074	0.017079	0.120926	
10 MIN	0.191936	0.982857	0.001575	0.002092	0.000292	0.215423	
30 MIN	0.565993	0.949448	0.002372	0.002021	0.000000	0.579454	
60 MIN	1.103375	0.901452	0.003516	0.001919	0.000000	1.085337	
2 HR	2.098014	0.812616	0.005633	0.001730	0.	1.964057	
4 HR	3.802894	0.660345	0.009263	0.001406	0.	3.267914	
8 HR	6.314115	0.436055	0.014609	0.000928	0.	4.563470	
12 HR	7.972385	0.287946	0.018139	0.000613	0.	4.793166	
24 HR	10.268005	0.082913	0.023026	0.000177	0.	3.183141	
36 HR	10.529021	0.023875	0.024433	0.000051	0.	1.740371	
48 HR	11.119358	0.006875	0.024838	0.000015	0.	0.818978	
60 HR	11.174165	0.001980	0.024955	0.000004	0.	0.364537	
72 HR	11.189946	0.000570	0.024988	0.000001	0.	0.157092	
84 HR	11.194490	0.000164	0.024998	0.000000	0.	0.066343	
96 HR	11.195799	0.000047	0.025001	0.000000	0.	0.027651	
108 HR	11.196176	0.000014	0.025002	0.000000	0.	0.011424	
120 HR	11.196284	0.000004	0.025002	0.000000	0.	0.004691	
132 HR	11.196315	0.000001	0.025002	0.000000	0.	0.001919	

SATURATED IODINE 11.196328
SATURATED XENON 0.025002

TIME HOURS	IODINE		MW/KG	195.00	XENON		SHUTDOWN TRANSIENT
	A	B	C		D	E	
0 SEC	0.	1.000000	0.		0.	1.000000	0.025003
5 SEC	0.001655	0.999856	0.000082		0.000139	0.932795	0.026655
10 SEC	0.003311	0.999712	0.000159		0.000269	0.870020	0.028308
30 SEC	0.009930	0.999136	0.000419		0.000706	0.658582	0.034914
60 SEC	0.019853	0.998272	0.000703		0.001171	0.433708	0.044812
2 MIN	0.039670	0.996548	0.001031		0.001677	0.188112	0.064561
5 MIN	0.098919	0.991392	0.001356		0.002025	0.015347	0.123455
10 MIN	0.196987	0.982857	0.001577		0.002038	0.000236	0.220443
30 MIN	0.580888	0.949448	0.002373		0.001969	0.000000	0.594071
60 MIN	1.132411	0.901452	0.003517		0.001870	0.000000	1.113289
2 HR	2.153225	0.812616	0.005635		0.001686	0.	2.015178
4 HR	3.902970	0.660345	0.009264		0.001370	0.	3.353425
8 HR	6.480276	0.436055	0.014610		0.000904	0.	4.683202
12 HR	8.182185	0.287946	0.018140		0.000597	0.	4.919035
24 HR	10.538216	0.082913	0.023027		0.000172	0.	3.405530
36 HR	11.216627	0.023875	0.024434		0.000050	0.	1.786126
48 HR	11.411973	0.006875	0.024839		0.000014	0.	0.840513
60 HR	11.468222	0.001980	0.024956		0.000004	0.	0.374123
72 HR	11.484418	0.000570	0.024989		0.000001	0.	0.161223
84 HR	11.489082	0.000164	0.024999		0.000000	0.	0.068087
96 HR	11.490425	0.000047	0.025002		0.000000	0.	0.028379
108 HR	11.490812	0.000014	0.025003		0.000000	0.	0.011724
120 HR	11.490923	0.000004	0.025003		0.000000	0.	0.004815
132 HR	11.490955	0.000001	0.025003		0.000000	0.	0.001969

SATURATED IODINE 11.490968
SATURATED XENON 0.025003

TIME HOURS	IODINE		MW/KG	200.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025004
5 SEC	0.001697	0.999856	0.000084	0.000139	0.931135	0.026698
10 SEC	0.003396	0.999712	0.000163	0.000269	0.866924	0.028394
30 SEC	0.010185	0.999136	0.000428	0.000703	0.651577	0.035170
60 SEC	0.020362	0.998272	0.000714	0.001160	0.424530	0.045322
2 MIN	0.040687	0.996548	0.001041	0.001651	0.180235	0.065577
5 MIN	0.101455	0.991392	0.001359	0.001977	0.013791	0.125984
10 MIN	0.202038	0.982857	0.001578	0.001987	0.000190	0.225464
30 MIN	0.595783	0.949448	0.002374	0.001920	0.000000	0.608687
60 MIN	1.161447	0.901452	0.003518	0.001823	0.000000	1.141241
2 HR	2.208436	0.812616	0.005636	0.001643	0.	2.066298
4 HR	4.003047	0.660345	0.009265	0.001335	0.	3.438937
8 HR	6.464636	0.436055	0.014611	0.000882	0.	4.802934
12 HR	8.391984	0.287946	0.018141	0.000582	0.	5.044905
24 HR	10.808426	0.082913	0.023028	0.000168	0.	3.492746
36 HR	11.504232	0.023875	0.024435	0.000048	0.	1.831882
48 HR	11.704587	0.006875	0.024840	0.000014	0.	0.862047
60 HR	11.762279	0.001980	0.024957	0.000004	0.	0.383709
72 HR	11.778891	0.000570	0.024990	0.000001	0.	0.165354
84 HR	11.783674	0.000164	0.025000	0.000000	0.	0.069832
96 HR	11.785051	0.000047	0.025003	0.000000	0.	0.029106
108 HR	11.785448	0.000014	0.025004	0.000000	0.	0.012025
120 HR	11.785562	0.000004	0.025004	0.000000	0.	0.004938
132 HR	11.785595	0.000001	0.025004	0.000000	0.	0.002019

SATURATED IODINE 11.785609
SATURATED XENON 0.025004

TIME HOURS	IODINE		MW/KG	205.00		SHUTDOWN TRANSIENT
	A	B		C	XENON D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025005
5 SEC	0.001739	0.999856	0.000086	0.000139	0.929478	0.026742
10 SEC	0.003481	0.999712	0.000166	0.000268	0.863839	0.028480
30 SEC	0.010439	0.999136	0.000437	0.000699	0.644646	0.035425
60 SEC	0.020871	0.998272	0.000725	0.001150	0.415547	0.045831
2 MIN	0.041704	0.996548	0.001051	0.001625	0.172688	0.066594
5 MIN	0.103991	0.991392	0.001361	0.001932	0.012392	0.128514
10 MIN	0.207089	0.982857	0.001579	0.001939	0.000154	0.230484
30 MIN	0.610677	0.949448	0.002376	0.001873	0.000000	0.623303
60 MIN	1.190483	0.901452	0.003520	0.001779	0.000000	1.169193
2 HR	2.263647	0.812616	0.005637	0.001603	0.	2.117419
4 HR	4.103123	0.660345	0.009266	0.001303	0.	3.524449
8 HR	6.812597	0.436055	0.014612	0.000860	0.	4.922665
12 HR	8.601784	0.287946	0.018142	0.000568	0.	5.170775
24 HR	11.078637	0.082913	0.023029	0.000164	0.	3.579963
36 HR	11.791838	0.023875	0.024436	0.000047	0.	1.877637
48 HR	11.997202	0.006875	0.024841	0.000014	0.	0.883582
60 HR	12.056336	0.001980	0.024958	0.000004	0.	0.393295
72 HR	12.073363	0.000570	0.024991	0.000001	0.	0.169485
84 HR	12.078266	0.000164	0.025001	0.000000	0.	0.071577
96 HR	12.079678	0.000047	0.025004	0.000000	0.	0.029833
108 HR	12.080084	0.000014	0.025005	0.000000	0.	0.012325
120 HR	12.080201	0.000004	0.025005	0.000000	0.	0.005061
132 HR	12.080235	0.000001	0.025005	0.000000	0.	0.002070

SATURATED IODINE 12.080249
SATURATED XENON 0.025005

TIME HOURS	IODINE		MW/KG	210.00	XENON		SHUTDOWN TRANSIENT
	A	B			C	D	
0 SEC	0.	1.000000	0.		0.	1.000000	0.025006
5 SEC	0.001782	0.999856	0.000088		0.000139	0.927824	0.026785
10 SEC	0.003566	0.999712	0.000170		0.000268	0.860765	0.028566
30 SEC	0.010694	0.999136	0.000445		0.000696	0.637790	0.035680
60 SEC	0.021380	0.998272	0.000736		0.001139	0.406754	0.046341
2 MIN	0.042721	0.996548	0.001060		0.001601	0.165457	0.067611
5 MIN	0.106528	0.991392	0.001364		0.001888	0.011135	0.131043
10 MIN	0.212140	0.982857	0.001580		0.001893	0.000124	0.235504
30 MIN	0.625572	0.949448	0.002377		0.001829	0.000000	0.637919
60 MIN	1.219520	0.901452	0.003521		0.001736	0.000000	1.197145
2 HR	2.318858	0.812616	0.005638		0.001565	0.	2.168539
4 HR	4.203199	0.660345	0.009267		0.001272	0.	3.609960
8 HR	6.978758	0.436055	0.014613		0.000840	0.	5.042397
12 HR	8.811584	0.287946	0.018143		0.000555	0.	5.296645
24 HR	11.348848	0.082913	0.023030		0.000160	0.	3.667179
36 HR	12.079444	0.023875	0.024437		0.000046	0.	1.923393
48 HR	12.289817	0.006875	0.024842		0.000013	0.	0.905116
60 HR	12.350393	0.001980	0.024959		0.000004	0.	0.402881
72 HR	12.367835	0.000570	0.024992		0.000001	0.	0.173617
84 HR	12.372858	0.000164	0.025002		0.000000	0.	0.073322
96 HR	12.374304	0.000047	0.025005		0.000000	0.	0.030560
108 HR	12.374720	0.000014	0.025005		0.000000	0.	0.012626
120 HR	12.374840	0.000004	0.025006		0.000000	0.	0.005185
132 HR	12.374875	0.000001	0.025006		0.000000	0.	0.002120

SATURATED IODINE 12.374889
SATURATED XENON 0.025006

TIME HOURS	IODINE		MW/KG	215.00	XENON		SHUTDOWN
	A	B	C	D	E	TRANSIENT	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025000	
5 SEC	0.001824	0.999856	0.000090	0.000139	0.926173	0.02682	
10 SEC	0.003651	0.999712	0.000174	0.000267	0.857702	0.02865	
30 SEC	0.010948	0.999136	0.000453	0.000693	0.631006	0.03593	
60 SEC	0.021889	0.998272	0.000747	0.001129	0.398146	0.04685	
2 MIN	0.043739	0.996548	0.001069	0.001576	0.158529	0.06862	
5 MIN	0.109064	0.991392	0.001367	0.001846	0.010006	0.13357	
10 MIN	0.217191	0.982857	0.001582	0.001849	0.000100	0.24052	
30 MIN	0.640486	0.949448	0.002378	0.001786	0.000000	0.65253	
60 MIN	1.248558	0.901452	0.003522	0.001696	0.000000	1.22509	
2 HR	2.374069	0.812616	0.005639	0.001529	0.	2.21966	
4 HR	4.303275	0.660345	0.009268	0.001242	0.	3.69547	
8 HR	7.144919	0.436055	0.014614	0.000820	0.	5.16212	
12 HR	9.021383	0.287946	0.018144	0.000542	0.	5.42251	
24 HR	11.619058	0.082913	0.023030	0.000156	0.	3.75439	
36 HR	12.367050	0.023875	0.024437	0.000045	0.	1.96914	
48 HR	12.582431	0.006875	0.024843	0.000013	0.	0.92665	
60 HR	12.644450	0.001980	0.024959	0.000004	0.	0.41246	
72 HR	12.662307	0.000570	0.024993	0.000001	0.	0.17774	
84 HR	12.667450	0.000164	0.025003	0.000000	0.	0.07506	
96 HR	12.668930	0.000047	0.025005	0.000000	0.	0.03128	
108 HR	12.669357	0.000014	0.025006	0.000000	0.	0.01292	
120 HR	12.669479	0.000004	0.025006	0.000000	0.	0.00530	
132 HR	12.669515	0.000001	0.025006	0.000000	0.	0.00217	

SATURATED IODINE 12.669529
SATURATED XENON 0.025007

TIME HOURS	IODINE		MW/KG	220.00		XENON	SHUTDOWN TRANSIENT
	A	B		C	D		
0 SEC	0.	1.000000	0.	0.	1.000000	0.025007	
5 SEC	0.001867	0.999856	0.000092	0.000138	0.924525	0.026871	
10 SEC	0.003736	0.999712	0.000178	0.000267	0.854650	0.028737	
30 SEC	0.011203	0.999136	0.000462	0.000689	0.624294	0.036191	
60 SEC	0.022398	0.998272	0.000758	0.001119	0.389721	0.047360	
2 MIN	0.044758	0.996548	0.001078	0.001553	0.151891	0.069644	
5 MIN	0.111601	0.991392	0.001369	0.001806	0.008991	0.136101	
10 MIN	0.222242	0.982857	0.001583	0.001807	0.000081	0.245544	
30 MIN	0.655361	0.949448	0.002379	0.001745	0.000000	0.667151	
60 MIN	1.277592	0.901452	0.003523	0.001657	0.000000	1.253049	
2 HR	2.429280	0.812616	0.005640	0.001494	0.	2.270780	
4 HR	4.403351	0.660345	0.009269	0.001214	0.	3.780983	
8 HR	7.311080	0.436055	0.014615	0.000802	0.	5.281860	
12 HR	9.231183	0.287946	0.018145	0.000529	0.	5.548385	
24 HR	11.889269	0.082913	0.023031	0.000152	0.	3.841611	
36 HR	12.654656	0.023875	0.024438	0.000044	0.	2.014904	
48 HR	12.875046	0.006875	0.024843	0.000013	0.	0.948185	
60 HR	12.938506	0.001980	0.024960	0.000004	0.	0.422053	
72 HR	12.956780	0.000570	0.024994	0.000001	0.	0.181879	
84 HR	12.962041	0.000164	0.025003	0.000000	0.	0.076811	
96 HR	12.963557	0.000047	0.025006	0.000000	0.	0.032015	
108 HR	12.963993	0.000014	0.025007	0.000000	0.	0.013226	
120 HR	12.964118	0.000004	0.025007	0.000000	0.	0.005432	
132 HR	12.964155	0.000001	0.025007	0.000000	0.	0.002221	

SATURATED IODINE 12.964169
SATURATED XENON 0.025007

TIME HOURS	MW/KG		225.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.001909	0.999856	0.000094	0.000138	0.922880
10 SEC	0.003821	0.999712	0.000181	0.000266	0.851609
30 SEC	0.011458	0.999136	0.000470	0.000686	0.617654
60 SEC	0.022907	0.998272	0.000768	0.001109	0.381474
2 MIN	0.045773	0.996548	0.001086	0.001530	0.145531
5 MIN	0.114137	0.991392	0.001371	0.001768	0.008079
10 MIN	0.227293	0.982857	0.001584	0.001767	0.000065
30 MIN	0.670255	0.949448	0.002380	0.001707	0.000000
60 MIN	1.306628	0.901452	0.003524	0.001620	0.000000
2 HR	2.484491	0.812616	0.005641	0.001461	0.
4 HR	4.503427	0.660345	0.009270	0.001187	0.
8 HR	7.477241	0.436055	0.014616	0.000784	0.
12 HR	9.440982	0.287946	0.018145	0.000518	0.
24 HR	12.159480	0.082913	0.023032	0.000149	0.
36 HR	12.542261	0.023875	0.024439	0.000043	0.
48 HR	13.167661	0.006875	0.024844	0.000012	0.
60 HR	13.232563	0.001980	0.024961	0.000004	0.
72 HR	13.251252	0.000570	0.024994	0.000001	0.
84 HR	13.256633	0.000164	0.025004	0.000000	0.
96 HR	13.258183	0.000047	0.025007	0.000000	0.
108 HR	13.258629	0.000014	0.025008	0.000000	0.
120 HR	13.258757	0.000004	0.025008	0.000000	0.
132 HR	13.258794	0.000001	0.025008	0.000000	0.

SATURATED IODINE 13.258809
SATURATED XENON 0.025008

TIME HOURS	MW/KG		230.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.001952	0.999856	0.000096	0.000138	0.921237
10 SEC	0.003906	0.999712	0.000185	0.000266	0.848578
30 SEC	0.011712	0.999136	0.000478	0.000682	0.611084
60 SEC	0.023416	0.998272	0.000778	0.001099	0.373402
2 MIN	0.046790	0.996548	0.001094	0.001507	0.139437
5 MIN	0.116673	0.991392	0.001373	0.001731	0.007260
10 MIN	0.232344	0.982857	0.001585	0.001728	0.000053
30 MIN	0.685150	0.949448	0.002381	0.001670	0.000000
60 MIN	1.335664	0.901452	0.003525	0.001585	0.000000
2 HR	2.539702	0.812616	0.005642	0.001429	0.
4 HR	4.603504	0.660345	0.009271	0.001161	0.
8 HR	7.643402	0.436055	0.014616	0.000767	0.
12 HR	9.650782	0.287946	0.018146	0.000506	0.
24 HR	12.429690	0.082913	0.023033	0.000146	0.
36 HR	13.229867	0.023875	0.024440	0.000042	0.
48 HR	13.460275	0.006875	0.024845	0.000012	0.
60 HR	13.526620	0.001980	0.024962	0.000003	0.
72 HR	13.545724	0.000570	0.024995	0.000001	0.
84 HR	13.551225	0.000164	0.025005	0.000000	0.
96 HR	13.552809	0.000047	0.025008	0.000000	0.
108 HR	13.553265	0.000014	0.025008	0.000000	0.
120 HR	13.553397	0.000004	0.025009	0.000000	0.
132 HR	13.553434	0.000001	0.025009	0.000000	0.

SATURATED IODINE 13.553450
SATURATED XENON 0.025009

TIME HOURS	MW/KG		235.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.001994	0.999856	0.000098	0.000138	0.919598
10 SEC	0.003990	0.999712	0.000189	0.000265	0.845558
30 SEC	0.011967	0.999136	0.000486	0.000679	0.604585
60 SEC	0.023925	0.998272	0.000788	0.001089	0.365501
2 MIN	0.047807	0.996548	0.001102	0.001485	0.133599
5 MIN	0.119210	0.991392	0.001375	0.001695	0.006524
10 MIN	0.237395	0.982857	0.001586	0.001691	0.000043
30 MIN	0.700044	0.949448	0.002382	0.001634	0.000000
60 MIN	1.364700	0.901452	0.003526	0.001551	0.000000
2 HR	2.594912	0.812616	0.005643	0.001398	0.
4 HR	4.703580	0.660345	0.009272	0.001136	0.
8 HR	7.809563	0.436055	0.014617	0.000750	0.
12 HR	9.860582	0.287946	0.018147	0.000496	0.
24 HR	12.699901	0.082913	0.023033	0.000143	0.
36 HR	13.517473	0.023875	0.024440	0.000041	0.
48 HR	13.752890	0.006875	0.024846	0.000012	0.
60 HR	13.820678	0.001980	0.024962	0.000003	0.
72 HR	13.840197	0.000570	0.024996	0.000001	0.
84 HR	13.845817	0.000164	0.025005	0.000000	0.
96 HR	13.847435	0.000047	0.025008	0.000000	0.
108 HR	13.847901	0.000014	0.025009	0.000000	0.
120 HR	13.848036	0.000004	0.025009	0.000000	0.
132 HR	13.848074	0.000001	0.025009	0.000000	0.

SATURATED IODINE 13.848090
SATURATED XENON 0.025009

TIME HOURS	MW/KG		240.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.002036	0.999856	0.000100	0.000138	0.917962
10 SEC	0.004075	0.999712	0.000192	0.000265	0.842550
30 SEC	0.012221	0.999136	0.000494	0.000676	0.598154
60 SEC	0.024434	0.998272	0.000798	0.001079	0.357766
2 MIN	0.048825	0.996548	0.001109	0.001464	0.128005
5 MIN	0.121746	0.991392	0.001376	0.001661	0.005862
10 MIN	0.242446	0.982857	0.001586	0.001656	0.000034
30 MIN	0.714939	0.949448	0.002383	0.001600	0.000000
60 MIN	1.393737	0.901452	0.003527	0.001519	0.000000
2 HR	2.650123	0.812616	0.005644	0.001369	0.
4 HR	4.803656	0.660345	0.009273	0.001113	0.
8 HR	7.975724	0.436055	0.014618	0.000735	0.
12 HR	10.070381	0.287946	0.018148	0.000485	0.
24 HR	12.970112	0.082913	0.023034	0.000140	0.
36 HR	13.805079	0.023875	0.024441	0.000040	0.
48 HR	14.045505	0.006875	0.024846	0.000012	0.
60 HR	14.114734	0.001980	0.024963	0.000003	0.
72 HR	14.134669	0.000570	0.024996	0.000001	0.
84 HR	14.140409	0.000164	0.025006	0.000000	0.
96 HR	14.142062	0.000047	0.025009	0.000000	0.
108 HR	14.142538	0.000014	0.025010	0.000000	0.
120 HR	14.142675	0.000004	0.025010	0.000000	0.
132 HR	14.142714	0.000001	0.025010	0.000000	0.

SATURATED IODINE 14.142730
SATURATED XENON 0.025010

TIME HOURS	IODINE		MW/KG	245.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025011
5 SEC	0.002079	0.999856	0.000102	0.000138	0.916328	0.027087
10 SEC	0.004160	0.999712	0.000196	0.000264	0.839551	0.029165
30 SEC	0.012476	0.999136	0.000502	0.000672	0.591792	0.037467
60 SEC	0.024943	0.998272	0.000807	0.001070	0.350196	0.049907
2 MIN	0.049842	0.996548	0.001116	0.001443	0.122645	0.074727
5 MIN	0.124282	0.991392	0.001378	0.001628	0.005268	0.148747
10 MIN	0.247497	0.982857	0.001587	0.001622	0.000028	0.270644
30 MIN	0.729834	0.949448	0.002384	0.001567	0.000000	0.740230
60 MIN	1.422773	0.901452	0.003527	0.001488	0.000000	1.392809
2 HR	2.705334	0.812616	0.005645	0.001341	0.	2.526382
4 HR	4.903732	0.660345	0.009273	0.001090	0.	4.208540
8 HR	8.141885	0.436055	0.014619	0.000720	0.	5.880518
12 HR	10.280181	0.287946	0.018148	0.000475	0.	6.177734
24 HR	13.240322	0.082913	0.023035	0.000137	0.	4.277693
36 HR	14.092685	0.023875	0.024442	0.000039	0.	2.243682
48 HR	14.338119	0.006875	0.024847	0.000011	0.	1.055857
60 HR	14.408791	0.001980	0.024964	0.000003	0.	0.469982
72 HR	14.429141	0.000570	0.024997	0.000001	0.	0.202534
84 HR	14.435001	0.000164	0.025007	0.000000	0.	0.085534
96 HR	14.436688	0.000047	0.025010	0.000000	0.	0.035651
108 HR	14.437174	0.000014	0.025010	0.000000	0.	0.014729
120 HR	14.437314	0.000004	0.025011	0.000000	0.	0.006048
132 HR	14.437354	0.000001	0.025011	0.000000	0.	0.002474

SATURATED IODINE 14.437370
SATURATED XENON 0.025011

TIME HOURS	IODINE		MW/KG	250.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025011
5 SEC	0.002121	0.999856	0.000104	0.000138	0.914697	0.027130
10 SEC	0.004245	0.999712	0.000200	0.000264	0.836564	0.029250
30 SEC	0.012731	0.999136	0.000510	0.000669	0.585497	0.037722
60 SEC	0.025452	0.998272	0.000816	0.001060	0.342785	0.050416
2 MIN	0.050859	0.996548	0.001123	0.001422	0.117509	0.075744
5 MIN	0.126819	0.991392	0.001379	0.001596	0.004733	0.151276
10 MIN	0.252549	0.982857	0.001588	0.001590	0.000022	0.275664
30 MIN	0.744728	0.949448	0.002384	0.001536	0.000000	0.754845
60 MIN	1.451809	0.901452	0.003528	0.001458	0.000000	1.420761
2 HR	2.760545	0.812616	0.005645	0.001315	0.	2.577502
4 HR	5.003808	0.660345	0.009274	0.001068	0.	4.294052
8 HR	8.308046	0.436055	0.014619	0.000705	0.	6.000250
12 HR	10.489980	0.287946	0.018149	0.000466	0.	6.303603
24 HR	13.510533	0.082913	0.023035	0.000134	0.	4.364909
36 HR	14.380290	0.023875	0.024442	0.000039	0.	2.289438
48 HR	14.630734	0.006875	0.024847	0.000011	0.	1.077391
60 HR	14.702848	0.001980	0.024964	0.000003	0.	0.479568
72 HR	14.723613	0.000570	0.024998	0.000001	0.	0.206665
84 HR	14.729592	0.000164	0.025007	0.000000	0.	0.082729
96 HR	14.731314	0.000047	0.025010	0.000000	0.	0.036378
108 HR	14.731810	0.000014	0.025011	0.000000	0.	0.015029
120 HR	14.731953	0.000004	0.025011	0.000000	0.	0.006172
132 HR	14.731994	0.000001	0.025011	0.000000	0.	0.002524

SATURATED IODINE 14.732010
SATURATED XENON 0.025011

TIME HOURS	IODINE		MW/KG	255.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025012
5 SEC	0.002164	0.999856	0.000106	0.000138	0.913070	0.027173
10 SEC	0.004330	0.999712	0.000203	0.000263	0.833587	0.029336
30 SEC	0.012985	0.999136	0.000517	0.000666	0.579270	0.037977
60 SEC	0.025961	0.998272	0.000825	0.001051	0.335532	0.050926
2 MIN	0.051876	0.996548	0.001130	0.001402	0.112589	0.076760
5 MIN	0.129355	0.991392	0.001381	0.001566	0.004253	0.153805
10 MIN	0.257599	0.982857	0.001589	0.001559	0.000018	0.280684
30 MIN	0.759623	0.949448	0.002385	0.001506	0.000000	0.769461
60 MIN	1.480845	0.901452	0.003529	0.001430	0.000000	1.448712
2 HR	2.815758	0.812616	0.005646	0.001289	0.	2.628623
4 HR	5.103884	0.660345	0.009275	0.001047	0.	4.379563
8 HR	8.474206	0.436055	0.014620	0.000692	0.	6.119981
12 HR	10.699780	0.287946	0.018150	0.000457	0.	6.429473
24 HR	13.780744	0.082913	0.023036	0.000131	0.	4.452125
36 HR	14.667896	0.023875	0.024443	0.000038	0.	2.335193
48 HR	14.923349	0.006875	0.024848	0.000011	0.	1.098925
60 HR	14.996905	0.001980	0.024965	0.000003	0.	0.489154
72 HR	15.018085	0.000570	0.024998	0.000001	0.	0.210796
84 HR	15.024184	0.000164	0.025008	0.000000	0.	0.089024
96 HR	15.025940	0.000047	0.025011	0.000000	0.	0.037105
108 HR	15.026446	0.000014	0.025012	0.000000	0.	0.015329
120 HR	15.026592	0.000004	0.025012	0.000000	0.	0.006295
132 HR	15.026634	0.000001	0.025012	0.000000	0.	0.002574

SATURATED IODINE 15.026651
SATURATED XENON 0.025012

TIME HOURS	IODINE		MW/KG	260.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025012
5 SEC	0.002206	0.999856	0.000108	0.000138	0.911445	0.027216
10 SEC	0.004415	0.999712	0.000207	0.000263	0.830620	0.029421
30 SEC	0.013240	0.999136	0.000525	0.000663	0.573109	0.038232
60 SEC	0.026470	0.998272	0.000834	0.001042	0.328432	0.051435
2 MIN	0.052893	0.996548	0.001136	0.001382	0.107874	0.077777
5 MIN	0.131892	0.991392	0.001382	0.001536	0.003822	0.156334
10 MIN	0.262650	0.982857	0.001590	0.001529	0.000015	0.285703
30 MIN	0.774517	0.949448	0.002386	0.001477	0.000000	0.784077
60 MIN	1.509881	0.901452	0.003530	0.001402	0.000000	1.476664
2 HR	2.870967	0.812616	0.005647	0.001264	0.	2.679743
4 HR	5.203961	0.660345	0.009276	0.001027	0.	4.465075
8 HR	8.640367	0.436055	0.014621	0.000678	0.	6.239713
12 HR	10.909580	0.287946	0.018150	0.000448	0.	6.555343
24 HR	14.050954	0.082913	0.023036	0.000129	0.	4.539341
36 HR	14.555502	0.023875	0.024443	0.000037	0.	2.380949
48 HR	15.215963	0.006875	0.024849	0.000011	0.	1.120460
60 HR	15.290962	0.001980	0.024965	0.000003	0.	0.498740
72 HR	15.312558	0.000570	0.024999	0.000001	0.	0.214928
84 HR	15.318776	0.000164	0.025008	0.000000	0.	0.090768
96 HR	15.320567	0.000047	0.025011	0.000000	0.	0.037832
108 HR	15.321082	0.000014	0.025012	0.000000	0.	0.015630
120 HR	15.321231	0.000004	0.025012	0.000000	0.	0.006419
132 HR	15.321273	0.000001	0.025012	0.000000	0.	0.002625

SATURATED IODINE 15.321291
SATURATED XENON 0.025012

TIME HOURS	IODINE		MW/KG	265.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025013
5 SEC	0.002249	0.999856	0.000110	0.000137	0.909823	0.027259
10 SEC	0.004500	0.999712	0.000211	0.000263	0.827665	0.029507
30 SEC	0.013494	0.999136	0.000532	0.000659	0.567013	0.038488
60 SEC	0.026979	0.998272	0.000843	0.001033	0.321482	0.051944
2 MIN	0.053910	0.996548	0.001142	0.001363	0.103358	0.078793
5 MIN	0.134428	0.991392	0.001383	0.001508	0.003434	0.158863
10 MIN	0.267701	0.982857	0.001590	0.001500	0.000012	0.290723
30 MIN	0.789412	0.949448	0.002387	0.001449	0.000000	0.798693
60 MIN	1.538918	0.901452	0.003530	0.001376	0.000000	1.504616
2 HR	2.526178	0.812616	0.005647	0.001240	0.	2.730863
4 HR	5.304037	0.660345	0.009276	0.001008	0.	4.550586
8 HR	8.806528	0.436055	0.014621	0.000665	0.	6.359444
12 HR	11.119379	0.287946	0.018151	0.000439	0.	6.681212
24 HR	14.321165	0.082913	0.023037	0.000127	0.	4.626558
36 HR	15.243108	0.023875	0.024444	0.000036	0.	2.426704
48 HR	15.508578	0.006875	0.024849	0.000010	0.	1.141994
60 HR	15.585019	0.001980	0.024966	0.000003	0.	0.508326
72 HR	15.607030	0.000570	0.024999	0.000001	0.	0.219059
84 HR	15.613368	0.000164	0.025009	0.000000	0.	0.092513
96 HR	15.615193	0.000047	0.025012	0.000000	0.	0.038559
108 HR	15.615718	0.000014	0.025013	0.000000	0.	0.015930
120 HR	15.615870	0.000004	0.025013	0.000000	0.	0.006542
132 HR	15.615913	0.000001	0.025013	0.000000	0.	0.002675

SATURATED IODINE 15.615931
SATURATED XENON 0.025013

TIME HOURS	IODINE		MW/KG	270.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025013
5 SEC	0.002291	0.999856	0.000112	0.000137	0.908204	0.027302
10 SEC	0.004585	0.999712	0.000214	0.000262	0.824719	0.029592
30 SEC	0.013749	0.999136	0.000540	0.000656	0.560982	0.038743
60 SEC	0.027488	0.998272	0.000852	0.001024	0.314679	0.052453
2 MIN	0.054928	0.996548	0.001148	0.001344	0.099030	0.079810
5 MIN	0.136964	0.991392	0.001384	0.001480	0.003086	0.161392
10 MIN	0.272752	0.982857	0.001591	0.001472	0.000010	0.295743
30 MIN	0.804308	0.949448	0.002387	0.001422	0.000000	0.813308
60 MIN	1.567954	0.901452	0.003531	0.001350	0.000000	1.532568
2 HR	2.981389	0.812616	0.005648	0.001217	0.	2.781983
4 HR	5.404113	0.660345	0.009277	0.000989	0.	4.636097
8 HR	8.572689	0.436055	0.014622	0.000653	0.	6.479176
12 HR	11.329179	0.287946	0.018151	0.000431	0.	6.807082
24 HR	14.591376	0.082913	0.023038	0.000124	0.	4.713774
36 HR	15.530714	0.023875	0.024445	0.000036	0.	2.472460
48 HR	15.801193	0.006875	0.024850	0.000010	0.	1.163529
60 HR	15.879076	0.001980	0.024966	0.000003	0.	0.517912
72 HR	15.901502	0.000570	0.025000	0.000001	0.	0.223190
84 HR	15.907960	0.000164	0.025010	0.000000	0.	0.094258
96 HR	15.909819	0.000047	0.025012	0.000000	0.	0.039286
108 HR	15.910355	0.000014	0.025013	0.000000	0.	0.016231
120 HR	15.910509	0.000004	0.025013	0.000000	0.	0.006665
132 HR	15.910553	0.000001	0.025013	0.000000	0.	0.002726

SATURATED IODINE 15.910571
SATURATED XENON 0.025013

TIME HOURS	IODINE		MW/KG	275.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025014
5 SEC	0.002333	0.999856	0.000114	0.000137	0.906587	0.027345
10 SEC	0.004670	0.999712	0.000218	0.000262	0.821785	0.029678
30 SEC	0.014004	0.999136	0.000547	0.000653	0.555015	0.038998
60 SEC	0.027997	0.998272	0.000860	0.001015	0.308020	0.052963
2 MIN	0.055945	0.996548	0.001153	0.001326	0.094883	0.080826
5 MIN	0.139501	0.991392	0.001385	0.001454	0.002773	0.163921
10 MIN	0.277802	0.982857	0.001592	0.001445	0.000008	0.300763
30 MIN	0.819201	0.949448	0.002388	0.001396	0.000000	0.827924
60 MIN	1.596990	0.901452	0.003532	0.001326	0.000000	1.560520
2 HR	3.036600	0.812616	0.005649	0.001195	0.	2.833104
4 HR	5.504189	0.660345	0.009277	0.000971	0.	4.721609
8 HR	9.138850	0.436055	0.014622	0.000641	0.	6.598907
12 HR	11.538979	0.287946	0.018152	0.000423	0.	6.932952
24 HR	14.861586	0.082913	0.023038	0.000122	0.	4.800990
36 HR	15.818320	0.023875	0.024445	0.000035	0.	2.518216
48 HR	16.093807	0.006875	0.024850	0.000010	0.	1.185063
60 HR	16.173133	0.001980	0.024967	0.000003	0.	0.527498
72 HR	16.195975	0.000570	0.025000	0.000001	0.	0.227321
84 HR	16.202552	0.000164	0.025010	0.000000	0.	0.096002
96 HR	16.204446	0.000047	0.025013	0.000000	0.	0.040014
108 HR	16.204991	0.000014	0.025014	0.000000	0.	0.016531
120 HR	16.205148	0.000004	0.025014	0.000000	0.	0.006789
132 HR	16.205193	0.000001	0.025014	0.000000	0.	0.002776

SATURATED IODINE 16.205212
SATURATED XENON 0.025014

TIME HOURS	IODINE		MW/KG	280.00		SHUTDOWN TRANSIENT
	A	B	C	XENON D	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025014
5 SEC	0.002376	0.999856	0.000116	0.000137	0.904974	0.027388
10 SEC	0.004755	0.999712	0.000221	0.000261	0.818860	0.029763
30 SEC	0.014258	0.999136	0.000554	0.000650	0.549112	0.039253
60 SEC	0.028506	0.998272	0.000868	0.001006	0.301502	0.053472
2 MIN	0.056962	0.996548	0.001159	0.001308	0.090910	0.081842
5 MIN	0.142037	0.991392	0.001386	0.001428	0.002492	0.166450
10 MIN	0.282853	0.982857	0.001592	0.001420	0.000006	0.305782
30 MIN	0.834096	0.949448	0.002389	0.001371	0.000000	0.842539
60 MIN	1.626026	0.901452	0.003532	0.001302	0.000000	1.588471
2 HR	3.091811	0.812616	0.005649	0.001174	0.	2.884224
4 HR	5.604265	0.660345	0.009278	0.000954	0.	4.807120
8 HR	9.305011	0.436055	0.014623	0.000630	0.	6.718638
12 HR	11.748778	0.287946	0.018152	0.000416	0.	7.058821
24 HR	15.131797	0.082913	0.023039	0.000120	0.	4.888206
36 HR	16.105925	0.023875	0.024445	0.000034	0.	2.563971
48 HR	16.386422	0.006875	0.024851	0.000010	0.	1.206597
60 HR	16.467190	0.001980	0.024967	0.000003	0.	0.537084
72 HR	16.490447	0.000570	0.025001	0.000001	0.	0.231452
84 HR	16.497144	0.000164	0.025011	0.000000	0.	0.097747
96 HR	16.499072	0.000047	0.025013	0.000000	0.	0.040741
108 HR	16.499627	0.000014	0.025014	0.000000	0.	0.016832
120 HR	16.499787	0.000004	0.025014	0.000000	0.	0.006912
132 HR	16.499833	0.000001	0.025014	0.000000	0.	0.002827

SATURATED IODINE 16.499852
SATURATED XENON 0.025014

TIME HOURS	MW/KG		285.00		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.002418	0.999856	0.000118	0.000137	0.025015
10 SEC	0.004839	0.999712	0.000225	0.000261	0.027431
30 SEC	0.014513	0.999136	0.000562	0.000647	0.029848
60 SEC	0.029015	0.998272	0.000876	0.000998	0.033908
2 MIN	0.057979	0.996548	0.001164	0.001290	0.039508
5 MIN	0.144573	0.991392	0.001387	0.001404	0.045327
10 MIN	0.287904	0.982857	0.001593	0.001395	0.051122
30 MIN	0.848990	0.949448	0.002389	0.001347	0.053981
60 MIN	1.655062	0.901452	0.003533	0.001279	0.058259
2 HR	3.147022	0.812616	0.005650	0.001153	0.168978
4 HR	5.704341	0.660345	0.009279	0.000937	0.310802
8 HR	9.471172	0.436055	0.014624	0.000619	0.857155
12 HR	11.558578	0.287946	0.018153	0.000409	1.616423
24 HR	15.402008	0.082913	0.023039	0.000118	2.935344
36 HR	16.393531	0.023875	0.024446	0.000034	4.892631
48 HR	16.679037	0.006875	0.024851	0.000010	6.838370
60 HR	16.761247	0.001980	0.024968	0.000003	7.184691
72 HR	16.784919	0.000570	0.025001	0.000001	7.497542
84 HR	16.791735	0.000164	0.025011	0.000000	7.609727
96 HR	16.793698	0.000047	0.025014	0.000000	1.228132
108 HR	16.794263	0.000014	0.025015	0.000000	0.546630
120 HR	16.794426	0.000004	0.025015	0.000000	0.235583
132 HR	16.794473	0.000001	0.025015	0.000000	0.099492

SATURATED IODINE 16.794492
SATURATED XENON 0.025015

TIME HOURS	MW/KG		290.00		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.002461	0.999856	0.000120	0.000137	0.025015
10 SEC	0.004924	0.999712	0.000228	0.000260	0.027474
30 SEC	0.014768	0.999136	0.000569	0.000644	0.029934
60 SEC	0.029524	0.998272	0.000884	0.000989	0.033763
2 MIN	0.058996	0.996548	0.001168	0.001273	0.039763
5 MIN	0.147110	0.991392	0.001388	0.001380	0.045490
10 MIN	0.292955	0.982857	0.001594	0.001371	0.051507
30 MIN	0.863885	0.949448	0.002390	0.001324	0.05822
60 MIN	1.684098	0.901452	0.003534	0.001257	0.061771
2 HR	3.202232	0.812616	0.005650	0.001133	0.0644375
4 HR	5.804418	0.660345	0.009279	0.000921	0.068464
8 HR	9.637333	0.436055	0.014624	0.000608	0.0717142
12 HR	12.168377	0.287946	0.018153	0.000402	0.07310561
24 HR	15.672218	0.082913	0.023039	0.000116	0.075062639
36 HR	16.681137	0.023875	0.024446	0.000033	0.07655482
48 HR	16.671652	0.006875	0.024852	0.000010	0.07726399
60 HR	16.6755304	0.001980	0.024968	0.000003	0.078256
72 HR	16.679391	0.000570	0.025002	0.000001	0.0792714
84 HR	16.68327	0.000164	0.025011	0.000000	0.0801237
96 HR	16.688325	0.000047	0.025014	0.000000	0.0812195
108 HR	16.689900	0.000014	0.025015	0.000000	0.08217433
120 HR	16.69065	0.000004	0.025015	0.000000	0.083159
132 HR	16.69113	0.000001	0.025015	0.000000	0.0842928

SATURATED IODINE 17.089132
SATURATED XENON 0.025015

TIME HOURS	MW/KG		295.00		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.002503	0.999856	0.000122	0.000137	0.025016
10 SEC	0.005009	0.999712	0.000232	0.000260	0.027516
30 SEC	0.015022	0.999136	0.000576	0.000641	0.030019
60 SEC	0.030033	0.998272	0.000892	0.000981	0.0330018
2 MIN	0.060013	0.996548	0.001173	0.001256	0.0360018
5 MIN	0.149646	0.991392	0.001389	0.001357	0.039999
10 MIN	0.298008	0.982857	0.001594	0.001347	0.044891
30 MIN	0.878779	0.949448	0.002390	0.001302	0.049620
60 MIN	1.713135	0.901452	0.003534	0.001236	0.054364
2 HR	3.257443	0.812616	0.005651	0.001114	0.05937584
4 HR	5.904494	0.660345	0.009280	0.000905	0.0643654
8 HR	9.803494	0.436055	0.014625	0.000598	0.0697833
12 HR	12.378177	0.287946	0.018154	0.000395	0.0746430
24 HR	15.942429	0.082913	0.023040	0.000114	0.0794855
36 HR	16.968743	0.023875	0.024447	0.000033	0.084238
48 HR	17.264266	0.006875	0.024852	0.000009	0.0890003
60 HR	17.349361	0.001980	0.024969	0.000003	0.0937842
72 HR	17.373864	0.000570	0.025002	0.000001	0.0985428
84 HR	17.380919	0.000164	0.025012	0.000000	0.1032981
96 HR	17.382951	0.000047	0.025015	0.000000	0.1080422
108 HR	17.383536	0.000014	0.025015	0.000000	0.112733
120 HR	17.383704	0.000004	0.025016	0.000000	0.117433
132 HR	17.383753	0.000001	0.025016	0.000000	0.122128

SATURATED IODINE 17.383772
SATURATED XENON 0.025016

TIME HOURS	MW/KG		300.00		SHUTDOWN TRANSIENT
	IODINE A	B	XENON C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.002546	0.999856	0.000124	0.000137	0.025016
10 SEC	0.005094	0.999712	0.000235	0.000259	0.027559
30 SEC	0.015277	0.999136	0.000583	0.000638	0.030104
60 SEC	0.030542	0.998272	0.000899	0.000973	0.0330272
2 MIN	0.061031	0.996548	0.001178	0.001240	0.0360509
5 MIN	0.152183	0.991392	0.001389	0.001334	0.0395908
10 MIN	0.303057	0.982857	0.001595	0.001325	0.043661
30 MIN	0.893674	0.949448	0.002391	0.001280	0.0480000
60 MIN	1.742171	0.901452	0.003535	0.001215	0.0520278
2 HR	3.312654	0.812616	0.005652	0.001095	0.0568704
4 HR	6.004570	0.660345	0.009280	0.000890	0.06149165
8 HR	9.669655	0.436055	0.014625	0.000588	0.066197564
12 HR	12.587977	0.287946	0.018154	0.000388	0.071562300
24 HR	16.212640	0.082913	0.023040	0.000112	0.0767071
36 HR	17.256348	0.023875	0.024447	0.000032	0.081746993
48 HR	17.556881	0.006875	0.024852	0.000009	0.08672735
60 HR	17.643418	0.001980	0.024969	0.000003	0.09175428
72 HR	17.668336	0.000570	0.025003	0.000001	0.0967976
84 HR	17.675511	0.000164	0.025012	0.000000	0.101726
96 HR	17.677577	0.000047	0.025015	0.000000	0.106650
108 HR	17.678172	0.000014	0.025016	0.000000	0.1116033
120 HR	17.678343	0.000004	0.025016	0.000000	0.1165406
132 HR	17.678392	0.000001	0.025016	0.000000	0.12150329

SATURATED IODINE 17.678413
SATURATED XENON 0.025016

TIME HOURS	IODINE		MW/KG	305.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025017
5 SEC	0.002588	0.999856	0.000126	0.000136	0.896950	0.027602
10 SEC	0.005179	0.999712	0.000239	0.000259	0.804394	0.030189
30 SEC	0.015531	0.999136	0.000590	0.000635	0.520524	0.040527
60 SEC	0.031052	0.998272	0.000906	0.000964	0.270924	0.056018
2 MIN	0.062048	0.996548	0.001182	0.001224	0.073405	0.086924
5 MIN	0.154719	0.991392	0.001390	0.001313	0.001460	0.179094
10 MIN	0.308108	0.982857	0.001595	0.001303	0.000002	0.330881
30 MIN	0.908568	0.949448	0.002391	0.001259	0.000000	0.915617
60 MIN	1.771207	0.901452	0.003535	0.001195	0.000000	1.728230
2 HR	3.367865	0.812616	0.005652	0.001077	0.	3.139825
4 HR	6.104646	0.660345	0.009281	0.000876	0.	5.234676
8 HR	10.135816	0.436055	0.014625	0.000578	0.	7.317296
12 HR	12.797776	0.287946	0.018155	0.000382	0.	7.688170
24 HR	16.482850	0.082913	0.023041	0.000110	0.	5.324287
36 HR	17.543954	0.023875	0.024448	0.000032	0.	2.792749
48 HR	17.849495	0.006875	0.024853	0.000009	0.	1.314269
60 HR	17.937475	0.001980	0.024969	0.000003	0.	0.585014
72 HR	17.982808	0.000570	0.025003	0.000001	0.	0.252108
84 HR	17.970103	0.000164	0.025013	0.000000	0.	0.106471
96 HR	17.972203	0.000047	0.025015	0.000000	0.	0.044377
108 HR	17.972608	0.000014	0.025016	0.000000	0.	0.018334
120 HR	17.972982	0.000004	0.025016	0.000000	0.	0.007529
132 HR	17.973032	0.000001	0.025017	0.000000	0.	0.003079

SATURATED IODINE 17.973053
SATURATED XENON 0.025017

TIME HOURS	IODINE		MW/KG	310.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025017
5 SEC	0.002630	0.999856	0.000128	0.000136	0.895354	0.027645
10 SEC	0.005264	0.999712	0.000243	0.000259	0.801532	0.030275
30 SEC	0.015786	0.999136	0.000596	0.000632	0.514987	0.040782
60 SEC	0.031561	0.998272	0.000914	0.000956	0.265191	0.056527
2 MIN	0.063065	0.996548	0.001186	0.001208	0.070332	0.087940
5 MIN	0.157255	0.991392	0.001391	0.001292	0.001312	0.181623
10 MIN	0.313159	0.982857	0.001596	0.001282	0.000002	0.335901
30 MIN	0.923463	0.949448	0.002392	0.001239	0.000000	0.930233
60 MIN	1.800243	0.901452	0.003536	0.001176	0.000000	1.756181
2 HR	3.423076	0.812616	0.005653	0.001060	0.	3.190945
4 HR	6.204722	0.660345	0.009281	0.000861	0.	5.320187
8 HR	10.301976	0.436055	0.014626	0.000569	0.	7.437027
12 HR	13.007576	0.287946	0.018155	0.000376	0.	7.814039
24 HR	16.753061	0.082913	0.023041	0.000108	0.	5.411504
36 HR	17.831560	0.023875	0.024448	0.000031	0.	2.838504
48 HR	18.142110	0.006875	0.024853	0.000009	0.	1.335804
60 HR	18.231532	0.001980	0.024970	0.000003	0.	0.594599
72 HR	18.257280	0.000570	0.025003	0.000001	0.	0.256239
84 HR	18.264695	0.000164	0.025013	0.000000	0.	0.108215
96 HR	18.266829	0.000047	0.025016	0.000000	0.	0.045104
108 HR	18.267444	0.000014	0.025017	0.000000	0.	0.018634
120 HR	18.267622	0.000004	0.025017	0.000000	0.	0.007652
132 HR	18.267672	0.000001	0.025017	0.000000	0.	0.003130

SATURATED IODINE 18.267693
SATURATED XENON 0.025017

TIME HOURS	IODINE		MW/KG	315.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025017
5 SEC	0.002673	0.999856	0.000130	0.000136	0.893761	0.027688
10 SEC	0.005349	0.999712	0.000246	0.000258	0.798679	0.030360
30 SEC	0.016041	0.999136	0.000603	0.000629	0.509510	0.041037
60 SEC	0.032070	0.998272	0.000921	0.000948	0.259579	0.057036
2 MIN	0.064082	0.996548	0.001190	0.001193	0.067387	0.088957
5 MIN	0.159792	0.991392	0.001392	0.001271	0.001179	0.184151
10 MIN	0.318210	0.982857	0.001596	0.001262	0.000001	0.340920
30 MIN	0.938357	0.949448	0.002392	0.001219	0.000000	0.944848
60 MIN	1.829279	0.901452	0.003536	0.001157	0.000000	1.784133
2 HR	3.478287	0.812616	0.005653	0.001043	0.	3.242065
4 HR	6.304798	0.660345	0.009282	0.000848	0.	5.405699
8 HR	10.468137	0.436055	0.014626	0.000560	0.	7.556758
12 HR	13.217375	0.287946	0.018156	0.000370	0.	7.939909
24 HR	17.023272	0.082913	0.023042	0.000106	0.	5.498720
36 HR	18.119166	0.023875	0.024448	0.000031	0.	2.884260
48 HR	18.434725	0.006875	0.024854	0.000009	0.	1.357338
60 HR	18.525589	0.001980	0.024970	0.000003	0.	0.604185
72 HR	18.551753	0.000570	0.025004	0.000001	0.	0.260370
84 HR	18.559287	0.000164	0.025013	0.000000	0.	0.109960
96 HR	18.561458	0.000047	0.025016	0.000000	0.	0.045831
108 HR	18.562081	0.000014	0.025017	0.000000	0.	0.018935
120 HR	18.562260	0.000004	0.025017	0.000000	0.	0.007776
132 HR	18.562312	0.000001	0.025017	0.000000	0.	0.003180

SATURATED IODINE 18.562333
SATURATED XENON 0.025017

TIME HOURS	IODINE		MW/KG	320.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025018
5 SEC	0.002715	0.999856	0.000132	0.000136	0.892170	0.027730
10 SEC	0.005434	0.999712	0.000249	0.000258	0.795837	0.030445
30 SEC	0.016295	0.999136	0.000610	0.000626	0.504090	0.041292
60 SEC	0.032579	0.998272	0.000928	0.000940	0.254086	0.057545
2 MIN	0.065099	0.996548	0.001194	0.001178	0.064565	0.089973
5 MIN	0.162328	0.991392	0.001392	0.001251	0.001059	0.186680
10 MIN	0.323261	0.982857	0.001597	0.001242	0.000001	0.345940
30 MIN	0.953252	0.949448	0.002393	0.001200	0.000000	0.959464
60 MIN	1.858316	0.901452	0.003537	0.001139	0.000000	1.812085
2 HR	3.533498	0.812616	0.005654	0.001027	0.	3.293185
4 HR	6.404875	0.660345	0.009282	0.000834	0.	5.491210
8 HR	10.634298	0.436055	0.014627	0.000551	0.	7.676490
12 HR	13.427175	0.287946	0.018156	0.000364	0.	8.065779
24 HR	17.293482	0.082913	0.023042	0.000105	0.	5.585936
36 HR	18.406772	0.023875	0.024449	0.000030	0.	2.930016
48 HR	18.727340	0.006875	0.024854	0.000009	0.	1.378872
60 HR	18.819646	0.001980	0.024971	0.000002	0.	0.613771
72 HR	18.846225	0.000570	0.025004	0.000001	0.	0.264501
84 HR	18.853878	0.000164	0.025014	0.000000	0.	0.111705
96 HR	18.856082	0.000047	0.025017	0.000000	0.	0.046558
108 HR	18.856717	0.000014	0.025017	0.000000	0.	0.019235
120 HR	18.856899	0.000004	0.025018	0.000000	0.	0.007899
132 HR	18.856952	0.000001	0.025018	0.000000	0.	0.003230

SATURATED IODINE 18.856973
SATURATED XENON 0.025018

TIME HOURS	IODINE		MW/KG	325.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025018
5 SEC	0.002758	0.999856	0.000133	0.000136	0.890583	0.027773
10 SEC	0.005519	0.999712	0.000253	0.000257	0.793005	0.030530
30 SEC	0.016550	0.999136	0.000616	0.000623	0.498729	0.041547
60 SEC	0.033088	0.998272	0.000934	0.000933	0.248710	0.058054
2 MIN	0.066117	0.996548	0.001198	0.001163	0.061862	0.090989
5 MIN	0.164864	0.991392	0.001393	0.001232	0.000952	0.189209
10 MIN	0.328312	0.982857	0.001597	0.001223	0.000001	0.350960
30 MIN	0.958147	0.949448	0.002393	0.001181	0.000000	0.974080
60 MIN	1.887352	0.901452	0.003537	0.001122	0.000000	1.840036
2 HR	3.588709	0.812616	0.005654	0.001011	0.	3.344305
4 HR	6.504951	0.660345	0.009283	0.000822	0.	5.576721
8 HR	10.800459	0.436055	0.014627	0.000543	0.	7.796221
12 HR	13.636975	0.287946	0.018157	0.000358	0.	8.191648
24 HR	17.563693	0.082913	0.023042	0.000103	0.	5.673152
36 HR	18.694377	0.023875	0.024449	0.000030	0.	2.975771
48 HR	19.019954	0.006875	0.024854	0.000009	0.	1.400407
60 HR	19.113703	0.001980	0.024971	0.000002	0.	0.623357
72 HR	19.140697	0.000570	0.025004	0.000001	0.	0.268632
84 HR	19.148470	0.000164	0.025014	0.000000	0.	0.113449
96 HR	19.150708	0.000047	0.025017	0.000000	0.	0.047286
108 HR	19.151353	0.000014	0.025018	0.000000	0.	0.019536
120 HR	19.151539	0.000004	0.025018	0.000000	0.	0.008023
132 HR	19.151592	0.000001	0.025018	0.000000	0.	0.003281

SATURATED IODINE 19.151614
SATURATED XENON 0.025018

TIME HOURS	IODINE		MW/KG	330.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025018
5 SEC	0.002800	0.999856	0.000135	0.000136	0.888998	0.027816
10 SEC	0.005604	0.999712	0.000256	0.000257	0.790183	0.030616
30 SEC	0.016804	0.999136	0.000623	0.000620	0.493424	0.041802
60 SEC	0.033597	0.998272	0.000941	0.000925	0.243447	0.058563
2 MIN	0.067134	0.996548	0.001201	0.001149	0.059271	0.092005
5 MIN	0.167401	0.991392	0.001393	0.001214	0.000855	0.191738
10 MIN	0.333363	0.982857	0.001598	0.001204	0.000001	0.355979
30 MIN	0.983041	0.949448	0.002394	0.001163	0.000000	0.988695
60 MIN	1.916388	0.901452	0.003538	0.001105	0.000000	1.867988
2 HR	3.443920	0.812616	0.005654	0.000996	0.	3.395425
4 HR	6.605027	0.660345	0.009283	0.000809	0.	5.662232
8 HR	10.966620	0.436055	0.014628	0.000534	0.	7.915953
12 HR	13.846774	0.287946	0.018157	0.000353	0.	8.317518
24 HR	17.833904	0.082913	0.023043	0.000102	0.	5.760368
36 HR	18.581983	0.023875	0.024449	0.000029	0.	3.021527
48 HR	19.312569	0.006875	0.024855	0.000008	0.	1.421941
60 HR	19.407760	0.001980	0.024971	0.000002	0.	0.632943
72 HR	19.435169	0.000570	0.025005	0.000001	0.	0.272763
84 HR	19.443062	0.000164	0.025014	0.000000	0.	0.115194
96 HR	19.445335	0.000047	0.025017	0.000000	0.	0.048013
108 HR	19.445989	0.000014	0.025018	0.000000	0.	0.019836
120 HR	19.446177	0.000004	0.025018	0.000000	0.	0.008146
132 HR	19.446232	0.000001	0.025018	0.000000	0.	0.003331

SATURATED IODINE 19.446254
SATURATED XENON 0.025018

TIME HOURS	IODINE		MW/KG	335.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025019
5 SEC	0.002842	0.999856	0.000137	0.000136	0.887416	0.027859
10 SEC	0.005689	0.999712	0.000260	0.000256	0.787371	0.030701
30 SEC	0.017059	0.999136	0.000630	0.000617	0.488178	0.042057
60 SEC	0.034106	0.998272	0.000947	0.000917	0.238295	0.059072
2 MIN	0.068151	0.996548	0.001204	0.001134	0.056789	0.093022
5 MIN	0.169937	0.991392	0.001394	0.001196	0.000769	0.194266
10 MIN	0.338414	0.982857	0.001598	0.001186	0.000001	0.360999
30 MIN	0.997936	0.949448	0.002394	0.001146	0.000000	1.003311
60 MIN	1.945424	0.901452	0.003538	0.001088	0.000000	1.895939
2 HR	3.699131	0.812616	0.005655	0.000981	0.	3.446545
4 HR	6.705103	0.660345	0.009283	0.000797	0.	5.747744
8 HR	11.132781	0.436055	0.014628	0.000526	0.	8.035684
12 HR	14.056574	0.287946	0.018157	0.000348	0.	8.443388
24 HR	18.104115	0.082913	0.023043	0.000100	0.	5.847585
36 HR	19.269589	0.023875	0.024450	0.000029	0.	3.067282
48 HR	19.605184	0.006875	0.024855	0.000008	0.	1.443475
60 HR	19.701817	0.001980	0.024972	0.000002	0.	0.642529
72 HR	19.729642	0.000570	0.025005	0.000001	0.	0.276894
84 HR	19.737654	0.000164	0.025015	0.000000	0.	0.116939
96 HR	19.739961	0.000047	0.025018	0.000000	0.	0.048740
108 HR	19.740625	0.000014	0.025018	0.000000	0.	0.020136
120 HR	19.740817	0.000004	0.025019	0.000000	0.	0.008269
132 HR	19.740872	0.000001	0.025019	0.000000	0.	0.003382

SATURATED IODINE 19.740894
SATURATED XENON 0.025019

TIME HOURS	IODINE		MW/KG	340.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025019
5 SEC	0.002885	0.999856	0.000139	0.000136	0.885837	0.027902
10 SEC	0.005773	0.999712	0.000263	0.000256	0.784570	0.030786
30 SEC	0.017314	0.999136	0.000636	0.000614	0.482983	0.042312
60 SEC	0.034615	0.998272	0.000954	0.000910	0.233253	0.059581
2 MIN	0.069168	0.996548	0.001208	0.001121	0.054412	0.094038
5 MIN	0.172474	0.991392	0.001394	0.001178	0.000691	0.196795
10 MIN	0.343465	0.982857	0.001599	0.001169	0.000000	0.366019
30 MIN	1.012830	0.949448	0.002395	0.001129	0.000000	1.017926
60 MIN	1.974460	0.901452	0.003538	0.001072	0.000000	1.923891
2 HR	3.754341	0.812616	0.005655	0.000966	0.	3.497665
4 HR	6.805179	0.660345	0.009284	0.000785	0.	5.833255
8 HR	11.298942	0.436055	0.014628	0.000519	0.	8.155415
12 HR	14.266374	0.287946	0.018158	0.000342	0.	8.569257
24 HR	18.374325	0.082913	0.023043	0.000099	0.	5.934801
36 HR	19.557195	0.023875	0.024450	0.000028	0.	3.113038
48 HR	19.897798	0.006875	0.024855	0.000008	0.	1.465010
60 HR	19.995874	0.001980	0.024972	0.000002	0.	0.652115
72 HR	20.024114	0.000570	0.025005	0.000001	0.	0.281025
84 HR	20.032246	0.000164	0.025015	0.000000	0.	0.118683
96 HR	20.034587	0.000047	0.025018	0.000000	0.	0.049467
108 HR	20.035262	0.000014	0.025019	0.000000	0.	0.020437
120 HR	20.035458	0.000004	0.025019	0.000000	0.	0.008393
132 HR	20.035512	0.000001	0.025019	0.000000	0.	0.003432

SATURATED IODINE 20.035534
SATURATED XENON 0.025019

		MW/KG		345.00			
TIME HOURS	IODINE		XENON		SHUTDOWN		
	A	B	C	D	E	TRANSIENT	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025019	
5 SEC	0.002927	0.999856	0.000141	0.000135	0.884260	0.027944	
10 SEC	0.005858	0.999712	0.000267	0.000255	0.781778	0.030871	
30 SEC	0.017568	0.999136	0.000642	0.000611	0.477846	0.042566	
60 SEC	0.035124	0.998272	0.000960	0.000902	0.228317	0.060090	
2 MIN	0.070185	0.996548	0.001211	0.001107	0.052133	0.095054	
5 MIN	0.175010	0.991392	0.001395	0.001161	0.000621	0.199324	
10 MIN	0.348516	0.982857	0.001599	0.001152	0.000000	0.371038	
30 MIN	1.027725	0.949448	0.002395	0.001113	0.000000	1.032541	
60 MIN	2.003476	0.901452	0.003539	0.001057	0.	1.951843	
2 HR	3.809552	0.812616	0.005656	0.000952	0.	3.548785	
4 HR	6.905255	0.660345	0.009284	0.000774	0.	5.918766	
8 HR	11.465103	0.436055	0.014629	0.000511	0.	8.275147	
12 HR	14.476173	0.287946	0.018158	0.000337	0.	8.695127	
24 HR	18.644536	0.082913	0.023044	0.000097	0.	6.022017	
36 HR	19.844801	0.023875	0.024450	0.000028	0.	3.158793	
48 HR	20.190413	0.006875	0.024856	0.000008	0.	1.486544	
60 HR	20.289931	0.001980	0.024972	0.000002	0.	0.661701	
72 HR	20.318586	0.000570	0.025006	0.000001	0.	0.285156	
84 HR	20.326838	0.000164	0.025015	0.000000	0.	0.120428	
96 HR	20.329214	0.000047	0.025018	0.000000	0.	0.050194	
108 HR	20.329898	0.000014	0.025019	0.000000	0.	0.020737	
120 HR	20.330095	0.000004	0.025019	0.000000	0.	0.008516	
132 HR	20.330152	0.000001	0.025019	0.000000	0.	0.003483	

SATURATED IODINE 20.330175
SATURATED XENON 0.025019

TIME HOURS	IODINE		MW/KG	350.00	XENON		SHUTDOWN
	A	B	C	D	E	TRANSIENT	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025020	
5 SEC	0.002970	0.999856	0.000143	0.000135	0.882687	0.027987	
10 SEC	0.005943	0.999712	0.000270	0.000255	0.778996	0.030957	
30 SEC	0.017823	0.999136	0.000649	0.000608	0.472764	0.042821	
60 SEC	0.035633	0.998272	0.000966	0.000895	0.223485	0.060599	
2 MIN	0.071202	0.996548	0.001214	0.001094	0.049950	0.096070	
5 MIN	0.177546	0.991392	0.001395	0.001145	0.000558	0.201853	
10 MIN	0.353567	0.982857	0.001599	0.001136	0.000000	0.376058	
30 MIN	1.042619	0.949448	0.002396	0.001097	0.000000	1.047157	
60 MIN	2.032533	0.901452	0.003539	0.001041	0.	1.979794	
2 HR	3.864763	0.812616	0.005656	0.000939	0.	3.599905	
4 HR	7.005332	0.660345	0.009285	0.000763	0.	6.004277	
8 HR	11.631264	0.436055	0.014629	0.000504	0.	8.394878	
12 HR	14.685973	0.287946	0.018158	0.000333	0.	8.820996	
24 HR	18.914746	0.082913	0.023044	0.000096	0.	6.109233	
36 HR	20.132407	0.023875	0.024451	0.000028	0.	3.204549	
48 HR	20.483028	0.006875	0.024856	0.000008	0.	1.508079	
60 HR	20.583988	0.001980	0.024972	0.000002	0.	0.671287	
72 HR	20.613059	0.000570	0.025006	0.000001	0.	0.289287	
84 HR	20.621430	0.000164	0.025016	0.000000	0.	0.122173	
96 HR	20.623840	0.000047	0.025019	0.000000	0.	0.050922	
108 HR	20.624534	0.000014	0.025019	0.000000	0.	0.021038	
120 HR	20.624734	0.000004	0.025020	0.000000	0.	0.008639	
132 HR	20.624791	0.000001	0.025020	0.000000	0.	0.003533	

SATURATED IODINE 20.624815
SATURATED XENON 0.025020

		MW/KG		355.00			
TIME	IODINE		XENON		SHUTDOWN		
HOURS	A	B	C	D	E	TRANSIENT	

0 SEC	0.	1.000000	0.	0.	1.000000	0.025020	
5 SEC	0.003012	0.999856	0.000145	0.000135	0.881116	0.028030	
10 SEC	0.006028	0.999712	0.000273	0.000255	0.776224	0.031042	
30 SEC	0.018078	0.999136	0.000655	0.000605	0.467735	0.043076	
60 SEC	0.036147	0.998272	0.000972	0.000888	0.218756	0.061108	
2 MIN	0.072220	0.996548	0.001217	0.001081	0.047859	0.097086	
5 MIN	0.180083	0.991392	0.001396	0.001129	0.000501	0.204381	
10 MIN	0.358618	0.982857	0.001600	0.001120	0.000000	0.381077	
30 MIN	1.057514	0.949448	0.002396	0.001081	0.000000	1.061772	
60 MIN	2.061569	0.901452	0.003540	0.001027	0.	2.007746	
2 HR	3.919974	0.812616	0.005656	0.000926	0.	3.651025	
4 HR	7.105408	0.660345	0.009285	0.000752	0.	6.089788	
8 HR	11.797425	0.436055	0.014629	0.000497	0.	8.514609	
12 HR	14.895772	0.287946	0.018159	0.000328	0.	8.946866	
24 HR	19.184957	0.082913	0.023044	0.000094	0.	6.196449	
36 HR	20.420012	0.023875	0.024451	0.000027	0.	3.250304	
48 HR	20.775642	0.006875	0.024856	0.000008	0.	1.529613	
60 HR	20.878045	0.001980	0.024973	0.000002	0.	0.680873	
72 HR	20.907531	0.000570	0.025006	0.000001	0.	0.293419	
84 HR	20.916022	0.000164	0.025016	0.000000	0.	0.123917	
96 HR	20.918466	0.000047	0.025019	0.000000	0.	0.051649	
108 HR	20.919170	0.000014	0.025020	0.000000	0.	0.021338	
120 HR	20.919373	0.000004	0.025020	0.000000	0.	0.008763	
132 HR	20.919431	0.000001	0.025020	0.000000	0.	0.003584	

SATURATED IODINE 20.919455
SATURATED XENON 0.025020

TIME HOURS	IODINE		MW/KG	360.00		XENON	SHUTDOWN TRANSIENT
	A	B	C	D	E		
0 SEC	0.	1.000000	0.	0.	1.000000	0.025020	
5 SEC	0.003055	0.999856	0.000147	0.000135	0.879548	0.028072	
10 SEC	0.006113	0.999712	0.000277	0.000254	0.773461	0.031127	
30 SEC	0.018332	0.999136	0.000661	0.000602	0.462760	0.043331	
60 SEC	0.036651	0.998272	0.000978	0.000881	0.214127	0.061617	
2 MIN	0.073237	0.996548	0.001219	0.001068	0.045855	0.098103	
5 MIN	0.182619	0.991392	0.001396	0.001113	0.000450	0.206910	
10 MIN	0.363669	0.982857	0.001600	0.001104	0.000000	0.386097	
30 MIN	1.072409	0.949448	0.002396	0.001066	0.000000	1.076388	
60 MIN	2.090605	0.901452	0.003540	0.001013	0.	2.035697	
2 HR	3.975185	0.812616	0.005657	0.000913	0.	3.702145	
4 HR	7.205484	0.660345	0.009285	0.000742	0.	6.175299	
8 HR	11.963586	0.436055	0.014630	0.000490	0.	8.634341	
12 HR	15.105572	0.287946	0.018159	0.000323	0.	9.072736	
24 HR	19.455168	0.082913	0.023045	0.000093	0.	6.283666	
36 HR	20.707618	0.023875	0.024451	0.000027	0.	3.296060	
48 HR	21.068257	0.006875	0.024856	0.000008	0.	1.551147	
60 HR	21.172101	0.001980	0.024973	0.000002	0.	0.690459	
72 HR	21.202003	0.000570	0.025007	0.000001	0.	0.297550	
84 HR	21.210613	0.000164	0.025016	0.000000	0.	0.125662	
96 HR	21.213093	0.000047	0.025019	0.000000	0.	0.052376	
108 HR	21.213806	0.000014	0.025020	0.000000	0.	0.021639	
120 HR	21.214012	0.000004	0.025020	0.000000	0.	0.008886	
132 HR	21.214071	0.000001	0.025020	0.000000	0.	0.003634	

SATURATED IODINE 21.214095
SATURATED XENON 0.025020

TIME HOURS	MW/KG		365.00		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.003097	0.999856	0.000149	0.000135	0.877983
10 SEC	0.006198	0.999712	0.000280	0.000254	0.770709
30 SEC	0.018587	0.999136	0.000667	0.000600	0.457838
60 SEC	0.037160	0.998272	0.000983	0.000874	0.209596
2 MIN	0.074254	0.996548	0.001222	0.001055	0.043935
5 MIN	0.185155	0.991392	0.001397	0.001098	0.000405
10 MIN	0.368720	0.982857	0.001601	0.001089	0.000000
30 MIN	1.087303	0.949448	0.002397	0.001052	0.000000
60 MIN	2.119641	0.901452	0.003540	0.000999	0.
2 HR	4.030396	0.812616	0.005657	0.000900	0.
4 HR	7.305560	0.660345	0.009286	0.000732	0.
8 HR	12.129746	0.436055	0.014630	0.000483	0.
12 HR	15.315372	0.287946	0.018159	0.000319	0.
24 HR	19.725378	0.082913	0.023045	0.000092	0.
36 HR	20.995224	0.023875	0.024452	0.000026	0.
48 HR	21.360872	0.006875	0.024857	0.000008	0.
60 HR	21.466159	0.001980	0.024973	0.000002	0.
72 HR	21.496475	0.000570	0.025007	0.000001	0.
84 HR	21.505205	0.000164	0.025017	0.000000	0.
96 HR	21.507719	0.000047	0.025019	0.000000	0.
108 HR	21.508443	0.000014	0.025020	0.000000	0.
120 HR	21.508651	0.000004	0.025020	0.000000	0.
132 HR	21.508711	0.000001	0.025021	0.000000	0.

SATURATED IODINE 21.508735
SATURATED XENON 0.025021

TIME HOURS	MW/KG		370.00		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.003139	0.999856	0.000151	0.000135	0.876420
10 SEC	0.006283	0.999712	0.000284	0.000253	0.767966
30 SEC	0.018841	0.999136	0.000673	0.000597	0.452968
60 SEC	0.037669	0.998272	0.000989	0.000867	0.205161
2 MIN	0.075271	0.996548	0.001225	0.001043	0.042095
5 MIN	0.187692	0.991392	0.001397	0.001083	0.000364
10 MIN	0.373771	0.982857	0.001601	0.001074	0.000000
30 MIN	1.102198	0.949448	0.002397	0.001038	0.000000
60 MIN	2.148677	0.901452	0.003541	0.000985	0.
2 HR	4.085607	0.812616	0.005658	0.000888	0.
4 HR	7.405636	0.660345	0.009286	0.000722	0.
8 HR	12.295907	0.436055	0.014630	0.000477	0.
12 HR	15.525171	0.287946	0.018160	0.000315	0.
24 HR	19.595589	0.082913	0.023045	0.000091	0.
36 HR	21.282830	0.023875	0.024452	0.000026	0.
48 HR	21.653486	0.006875	0.024857	0.000008	0.
60 HR	21.760216	0.001980	0.024974	0.000002	0.
72 HR	21.790948	0.000570	0.025007	0.000001	0.
84 HR	21.799797	0.000164	0.025017	0.000000	0.
96 HR	21.802345	0.000047	0.025020	0.000000	0.
108 HR	21.803079	0.000014	0.025020	0.000000	0.
120 HR	21.803290	0.000004	0.025021	0.000000	0.
132 HR	21.803351	0.000001	0.025021	0.000000	0.

SATURATED IODINE 21.803376
SATURATED XENON 0.025021

TIME HOURS	MW/KG		375.00		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.003182	0.999856	0.000153	0.000135	0.874861
10 SEC	0.006368	0.999712	0.000287	0.000253	0.765234
30 SEC	0.019096	0.999136	0.000679	0.000594	0.448150
60 SEC	0.038178	0.998272	0.000994	0.000860	0.200819
2 MIN	0.076288	0.996548	0.001227	0.001031	0.040332
5 MIN	0.190228	0.991392	0.001398	0.001069	0.000327
10 MIN	0.378822	0.982857	0.001601	0.001060	0.000000
30 MIN	1.117092	0.949448	0.002397	0.001024	0.000000
60 MIN	2.177713	0.901452	0.003541	0.000972	0.
2 HR	4.140818	0.812616	0.005658	0.000876	0.
4 HR	7.505712	0.660345	0.009286	0.000712	0.
8 HR	12.462068	0.436055	0.014631	0.000470	0.
12 HR	15.734971	0.287946	0.018160	0.000310	0.
24 HR	20.265800	0.082913	0.023045	0.000089	0.
36 HR	21.570436	0.023875	0.024452	0.000026	0.
48 HR	21.946101	0.006875	0.024857	0.000007	0.
60 HR	22.054272	0.001980	0.024974	0.000002	0.
72 HR	22.085420	0.000570	0.025007	0.000001	0.
84 HR	22.094389	0.000164	0.025017	0.000000	0.
96 HR	22.096971	0.000047	0.025020	0.000000	0.
108 HR	22.097715	0.000014	0.025021	0.000000	0.
120 HR	22.097929	0.000004	0.025021	0.000000	0.
132 HR	22.097991	0.000001	0.025021	0.000000	0.

SATURATED IODINE 22.098016
SATURATED XENON 0.025021

TIME HOURS	MW/KG		380.00		SHUTDOWN TRANSIENT
	IODINE	XENON			
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.003224	0.999856	0.000155	0.000135	0.873304
10 SEC	0.006453	0.999712	0.000290	0.000252	0.762510
30 SEC	0.019351	0.999136	0.000685	0.000591	0.443384
60 SEC	0.038687	0.998272	0.001000	0.000853	0.196570
2 MIN	0.077306	0.996548	0.001229	0.001019	0.038644
5 MIN	0.192765	0.991392	0.001398	0.001055	0.000294
10 MIN	0.383873	0.982857	0.001602	0.001046	0.000000
30 MIN	1.131987	0.949448	0.002398	0.001010	0.000000
60 MIN	2.206750	0.901452	0.003541	0.000959	0.
2 HR	4.196029	0.812616	0.005658	0.000865	0.
4 HR	7.605789	0.660345	0.009287	0.000703	0.
8 HR	12.628229	0.436055	0.014631	0.000464	0.
12 HR	15.544770	0.287946	0.018160	0.000306	0.
24 HR	20.536010	0.082913	0.023046	0.000088	0.
36 HR	21.858042	0.023875	0.024452	0.000025	0.
48 HR	22.238716	0.006875	0.024858	0.000007	0.
60 HR	22.348329	0.001980	0.024974	0.000002	0.
72 HR	22.379892	0.000570	0.025008	0.000001	0.
84 HR	22.388981	0.000164	0.025017	0.000000	0.
96 HR	22.391598	0.000047	0.025020	0.000000	0.
108 HR	22.392351	0.000014	0.025021	0.000000	0.
120 HR	22.392568	0.000004	0.025021	0.000000	0.
132 HR	22.392631	0.000001	0.025021	0.000000	0.

SATURATED IODINE 22.392656
SATURATED XENON 0.025021

TIME HOURS	MW/KG		385.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.003267	0.999856	0.000157	0.000135	0.871750
10 SEC	0.006538	0.999712	0.000294	0.000252	0.759797
30 SEC	0.019605	0.999136	0.000691	0.000589	0.438668
60 SEC	0.039196	0.998272	0.001005	0.000846	0.192410
2 MIN	0.078323	0.996548	0.001232	0.001008	0.037025
5 MIN	0.195301	0.991392	0.001398	0.001041	0.000264
10 MIN	0.388923	0.982857	0.001602	0.001032	0.000000
30 MIN	1.146881	0.949448	0.002398	0.000997	0.000000
60 MIN	2.235786	0.901452	0.003542	0.000947	0.
2 HR	4.251240	0.812616	0.005659	0.000853	0.
4 HR	7.705865	0.660345	0.009287	0.000694	0.
8 HR	12.794390	0.436055	0.014631	0.000458	0.
12 HR	16.154570	0.287946	0.018160	0.000302	0.
24 HR	20.806221	0.082913	0.023046	0.000087	0.
36 HR	22.145647	0.023875	0.024453	0.000025	0.
48 HR	22.531330	0.006875	0.024858	0.000007	0.
60 HR	22.642386	0.001980	0.024974	0.000002	0.
72 HR	22.674364	0.000570	0.025008	0.000001	0.
84 HR	22.683573	0.000164	0.025018	0.000000	0.
96 HR	22.686224	0.000047	0.025020	0.000000	0.
108 HR	22.686987	0.000014	0.025021	0.000000	0.
120 HR	22.687207	0.000004	0.025021	0.000000	0.
132 HR	22.687270	0.000001	0.025022	0.000000	0.

SATURATED IODINE 22.687296
SATURATED XENON 0.025022

TIME HOURS	MW/KG		390.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.003309	0.999856	0.000158	0.000134	0.870198
10 SEC	0.006622	0.999712	0.000297	0.000252	0.757093
30 SEC	0.019860	0.999136	0.000696	0.000586	0.434002
60 SEC	0.039705	0.998272	0.001010	0.000840	0.188339
2 MIN	0.079340	0.996548	0.001234	0.000996	0.035475
5 MIN	0.197837	0.991392	0.001399	0.001028	0.000237
10 MIN	0.393974	0.982857	0.001602	0.001019	0.000000
30 MIN	1.161776	0.949448	0.002398	0.000984	0.000000
60 MIN	2.264822	0.901452	0.003542	0.000935	0.
2 HR	4.206450	0.812616	0.005659	0.000843	0.
4 HR	7.805941	0.660345	0.009287	0.000685	0.
8 HR	12.960551	0.436055	0.014632	0.000452	0.
12 HR	16.264369	0.287946	0.018161	0.000259	0.
24 HR	21.076432	0.082913	0.023046	0.000086	0.
36 HR	22.433253	0.023875	0.024453	0.000025	0.
48 HR	22.823945	0.006875	0.024858	0.000007	0.
60 HR	22.836443	0.001980	0.024975	0.000002	0.
72 HR	22.868837	0.000570	0.025008	0.000001	0.
84 HR	22.878164	0.000164	0.025018	0.000000	0.
96 HR	22.880850	0.000047	0.025021	0.000000	0.
108 HR	22.881623	0.000014	0.025021	0.000000	0.
120 HR	22.881846	0.000004	0.025022	0.000000	0.
132 HR	22.881910	0.000001	0.025022	0.000000	0.

SATURATED IODINE 22.981936
SATURATED XENON 0.025022

TIME HOURS	MW/KG		395.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.003352	0.999856	0.000160	0.000134	0.868650
10 SEC	0.006707	0.999712	0.000300	0.000251	0.754399
30 SEC	0.020114	0.999136	0.000702	0.000583	0.429386
60 SEC	0.040214	0.998272	0.001015	0.000833	0.184353
2 MIN	0.080357	0.996548	0.001236	0.000985	0.033990
5 MIN	0.200374	0.991392	0.001399	0.001015	0.000213
10 MIN	0.399025	0.982857	0.001603	0.001006	0.000000
30 MIN	1.176670	0.949448	0.002399	0.000972	0.000000
60 MIN	2.293858	0.901452	0.003542	0.000923	0.
2 HR	4.361661	0.812616	0.005659	0.000832	0.
4 HR	7.906017	0.660345	0.009287	0.000676	0.
8 HR	13.126712	0.436055	0.014632	0.000446	0.
12 HR	16.574169	0.287946	0.018161	0.000295	0.
24 HR	21.346642	0.082913	0.023046	0.000085	0.
36 HR	22.720859	0.023875	0.024453	0.000024	0.
48 HR	23.116560	0.006875	0.024858	0.000007	0.
60 HR	23.230500	0.001980	0.024975	0.000002	0.
72 HR	23.263309	0.000570	0.025008	0.000001	0.
84 HR	23.272756	0.000164	0.025018	0.000000	0.
96 HR	23.275476	0.000047	0.025021	0.000000	0.
108 HR	23.276260	0.000014	0.025022	0.000000	0.
120 HR	23.276485	0.000004	0.025022	0.000000	0.
132 HR	23.276550	0.000001	0.025022	0.000000	0.

SATURATED IODINE 23.276577
SATURATED XENON 0.025022

TIME HOURS	MW/KG		400.00		SHUTDOWN TRANSIENT
	IODINE	XENON	E		
A	B	C	D	E	
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.003394	0.999856	0.000162	0.000134	0.867104
10 SEC	0.006792	0.999712	0.000303	0.000251	0.751715
30 SEC	0.020369	0.999136	0.000708	0.000581	0.424819
60 SEC	0.040723	0.998272	0.001020	0.000827	0.180452
2 MIN	0.081374	0.996548	0.001238	0.000974	0.032568
5 MIN	0.202910	0.991392	0.001399	0.001002	0.000191
10 MIN	0.404076	0.982857	0.001603	0.000994	0.000000
30 MIN	1.191565	0.949448	0.002399	0.000960	0.000000
60 MIN	2.322894	0.901452	0.003543	0.000911	0.
2 HR	4.416872	0.812616	0.005659	0.000821	0.
4 HR	8.006093	0.660345	0.009288	0.000668	0.
8 HR	13.292873	0.436055	0.014632	0.000441	0.
12 HR	16.783969	0.287946	0.018161	0.000291	0.
24 HR	21.616853	0.082913	0.023047	0.000084	0.
36 HR	23.008465	0.023875	0.024453	0.000024	0.
48 HR	23.409174	0.006875	0.024858	0.000007	0.
60 HR	23.524557	0.001980	0.024975	0.000002	0.
72 HR	23.557781	0.000570	0.025009	0.000001	0.
84 HR	23.567348	0.000164	0.025018	0.000000	0.
96 HR	23.570103	0.000047	0.025021	0.000000	0.
108 HR	23.570896	0.000014	0.025022	0.000000	0.
120 HR	23.571125	0.000004	0.025022	0.000000	0.
132 HR	23.571190	0.000001	0.025022	0.000000	0.

SATURATED IODINE 23.571217
SATURATED XENON 0.025022

TIME HOURS	IODINE		MW/KG	405.00		SHUTDOWN TRANSIENT
	A	B		C	XENON D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025023
5 SEC	0.003436	0.999856	0.000164	0.000134	0.865561	0.028457
10 SEC	0.006877	0.999712	0.000307	0.000250	0.749040	0.031893
30 SEC	0.020624	0.999136	0.000713	0.000578	0.420300	0.045624
60 SEC	0.041232	0.998272	0.001025	0.000820	0.176634	0.066198
2 MIN	0.082391	0.996548	0.001240	0.000964	0.031203	0.107248
5 MIN	0.205447	0.991392	0.001400	0.000990	0.000172	0.229688
10 MIN	0.409127	0.982857	0.001603	0.000981	0.000000	0.431273
30 MIN	1.206460	0.949448	0.002399	0.000948	0.000000	1.207927
60 MIN	2.351931	0.901452	0.003543	0.000900	0.	2.287261
2 HR	4.472083	0.812616	0.005660	0.000811	0.	4.162225
4 HR	8.106169	0.660345	0.009288	0.000659	0.	6.944900
8 HR	13.459034	0.436055	0.014632	0.000435	0.	9.711923
12 HR	16.593768	0.287946	0.018161	0.000287	0.	10.205562
24 HR	21.887064	0.082913	0.023047	0.000083	0.	7.068611
36 HR	23.296071	0.023875	0.024454	0.000024	0.	3.707860
48 HR	23.701789	0.006875	0.024859	0.000007	0.	1.744957
60 HR	23.818614	0.001980	0.024975	0.000002	0.	0.776732
72 HR	23.852254	0.000570	0.025009	0.000001	0.	0.334730
84 HR	23.861940	0.000164	0.025019	0.000000	0.	0.141364
96 HR	23.864729	0.000047	0.025021	0.000000	0.	0.058921
108 HR	23.865532	0.000014	0.025022	0.000000	0.	0.024343
120 HR	23.865764	0.000004	0.025022	0.000000	0.	0.009997
132 HR	23.865830	0.000001	0.025022	0.000000	0.	0.004088

SATURATED IODINE 23.865857
SATURATED XENON 0.025023

TIME HOURS	IODINE		MW/KG	410.00		SHUTDOWN TRANSIENT
	A	B	C	XENQN	E	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025023
5 SEC	0.003479	0.999856	0.000166	0.000134	0.864020	0.028499
10 SEC	0.006962	0.999712	0.000310	0.000250	0.746374	0.031978
30 SEC	0.020878	0.999136	0.000719	0.000575	0.415830	0.045879
60 SEC	0.041741	0.998272	0.001030	0.000814	0.172896	0.066707
2 MIN	0.083409	0.996548	0.001242	0.000953	0.029896	0.108264
5 MIN	0.207983	0.991392	0.001400	0.000978	0.000155	0.232197
10 MIN	0.414178	0.982857	0.001604	0.000969	0.000000	0.436292
30 MIN	1.221354	0.949448	0.002400	0.000936	0.000000	1.222542
60 MIN	2.380967	0.901452	0.003543	0.000889	0.	2.315212
2 HR	4.527294	0.812616	0.005660	0.000801	0.	4.213345
4 HR	8.206246	0.660345	0.009288	0.000651	0.	7.030411
8 HR	13.625195	0.436055	0.014633	0.000430	0.	9.831654
12 HR	17.203568	0.287946	0.018162	0.000284	0.	10.331432
24 HR	22.157274	0.082913	0.023047	0.000082	0.	7.155827
36 HR	23.583676	0.023875	0.024454	0.000024	0.	3.753616
48 HR	23.944404	0.006875	0.024859	0.000007	0.	1.766491
60 HR	24.112671	0.001980	0.024976	0.000002	0.	0.786318
72 HR	24.146726	0.000570	0.025009	0.000001	0.	0.338861
84 HR	24.156532	0.000164	0.025019	0.000000	0.	0.143109
96 HR	24.159355	0.000047	0.025022	0.000000	0.	0.059648
108 HR	24.160168	0.000014	0.025022	0.000000	0.	0.024643
120 HR	24.160403	0.000004	0.025023	0.000000	0.	0.010120
132 HR	24.160470	0.000001	0.025023	0.000000	0.	0.004139

SATURATED IODINE 24.160497
SATURATED XENON 0.025023

	IODINE		MW/KG	415.00		XENON		SHUTDOWN
TIME HOURS	A	B	C	D	E	F	TRANSIENT	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025023		
5 SEC	0.003521	0.999856	0.000168	0.000134	0.862483	0.028542		
10 SEC	0.007047	0.999712	0.000313	0.000249	0.743718	0.032063		
30 SEC	0.021133	0.999136	0.000724	0.000573	0.411407	0.046134		
60 SEC	0.042250	0.998272	0.001034	0.000808	0.169238	0.067216		
2 MIN	0.084426	0.996548	0.001243	0.000943	0.028644	0.109280		
5 MIN	0.210519	0.991392	0.001400	0.000966	0.000139	0.234725		
10 MIN	0.419229	0.982857	0.001604	0.000958	0.000000	0.441312		
30 MIN	1.236249	0.949448	0.002400	0.000925	0.000000	1.237157		
60 MIN	2.410003	0.901452	0.003544	0.000878	0.	2.343164		
2 HR	4.582505	0.812616	0.005660	0.000792	0.	4.264465		
4 HR	8.306322	0.660345	0.009289	0.000643	0.	7.115922		
8 HR	13.791356	0.436055	0.014633	0.000425	0.	9.951385		
12 HR	17.413368	0.287946	0.018162	0.000281	0.	10.457301		
24 HR	22.427485	0.082913	0.023047	0.000081	0.	7.243044		
36 HR	23.871282	0.023875	0.024454	0.000023	0.	3.799371		
48 HR	24.287019	0.006875	0.024859	0.000007	0.	1.788025		
60 HR	24.406728	0.001980	0.024976	0.000002	0.	0.795904		
72 HR	24.441198	0.000570	0.025009	0.000001	0.	0.342992		
84 HR	24.451124	0.000164	0.025019	0.000000	0.	0.144854		
96 HR	24.453982	0.000047	0.025022	0.000000	0.	0.060375		
108 HR	24.454805	0.000014	0.025023	0.000000	0.	0.024943		
120 HR	24.455042	0.000004	0.025023	0.000000	0.	0.010243		
132 HR	24.455110	0.000001	0.025023	0.000000	0.	0.004189		

SATURATED IODINE 24.455138
SATURATED XENON 0.025023

TIME HOURS	IODINE		MW/KG	420.00		XENON	SHUTDOWN TRANSIENT
	A	B		C	D		
0 SEC	0.	1.000000	0.		0.	1.000000	0.025023
5 SEC	0.003564	0.999856	0.000170		0.000134	0.860948	0.028584
10 SEC	0.007132	0.999712	0.000316		0.000249	0.741072	0.032148
30 SEC	0.021387	0.999136	0.000730		0.000570	0.407031	0.046388
60 SEC	0.042759	0.998272	0.001039		0.000802	0.165656	0.067725
2 MIN	0.085443	0.996548	0.001245		0.000933	0.027445	0.110296
5 MIN	0.213056	0.991392	0.001401		0.000954	0.000125	0.237254
10 MIN	0.424280	0.982857	0.001604		0.000946	0.000000	0.446331
30 MIN	1.251143	0.949448	0.002400		0.000914	0.000000	1.251773
60 MIN	2.439039	0.901452	0.003544		0.000868	0.	2.371115
2 HR	4.637716	0.812616	0.005661		0.000782	0.	4.315585
4 HR	8.406398	0.660345	0.009289		0.000636	0.	7.201433
8 HR	13.957517	0.436055	0.014633		0.000420	0.	10.071117
12 HR	17.623167	0.287946	0.018162		0.000277	0.	10.583171
24 HR	22.697696	0.082913	0.023048		0.000080	0.	7.330260
36 HR	24.158888	0.023875	0.024454		0.000023	0.	3.845127
48 HR	24.579633	0.006875	0.024859		0.000007	0.	1.809560
60 HR	24.700785	0.001980	0.024976		0.000002	0.	0.805490
72 HR	24.735670	0.000570	0.025010		0.000001	0.	0.347123
84 HR	24.745716	0.000164	0.025019		0.000000	0.	0.146598
96 HR	24.748608	0.000047	0.025022		0.000000	0.	0.061102
108 HR	24.749441	0.000014	0.025023		0.000000	0.	0.025244
120 HR	24.749681	0.000004	0.025023		0.000000	0.	0.010367
132 HR	24.749750	0.000001	0.025023		0.000000	0.	0.004240

SATURATED IODINE 24.749778
SATURATED XENON 0.025023

TIME HOURS	MW/KG		425.00		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.003606	0.999856	0.000172	0.000134	0.859416
10 SEC	0.007217	0.999712	0.000320	0.000249	0.738435
30 SEC	0.021642	0.999136	0.000735	0.000567	0.402702
60 SEC	0.043268	0.998272	0.001043	0.000795	0.162151
2 MIN	0.086460	0.996548	0.001247	0.000923	0.026296
5 MIN	0.215592	0.991392	0.001401	0.000943	0.000112
10 MIN	0.429331	0.982857	0.001604	0.000935	0.000000
30 MIN	1.266038	0.949448	0.002401	0.000903	0.000000
60 MIN	2.468075	0.901452	0.003544	0.000858	0.
2 HR	4.692927	0.812616	0.005661	0.000773	0.
4 HR	8.506474	0.660345	0.009289	0.000628	0.
8 HR	14.123677	0.436055	0.014633	0.000415	0.
12 HR	17.832967	0.287946	0.018162	0.000274	0.
24 HR	22.967906	0.082913	0.023048	0.000079	0.
36 HR	24.446494	0.023875	0.024454	0.000023	0.
48 HR	24.872248	0.006875	0.024860	0.000007	0.
60 HR	24.594842	0.001980	0.024976	0.000002	0.
72 HR	25.030143	0.000570	0.025010	0.000001	0.
84 HR	25.040308	0.000164	0.025019	0.000000	0.
96 HR	25.043234	0.000047	0.025022	0.000000	0.
108 HR	25.044077	0.000014	0.025023	0.000000	0.
120 HR	25.044320	0.000004	0.025023	0.000000	0.
132 HR	25.044389	0.000001	0.025023	0.000000	0.

SATURATED IODINE 25.044418
SATURATED XENON 0.025023

		MW/KG		430.00			
TIME HOURS	IODINE		XENON		SHUTDOWN TRANSIENT		
	A	B	C	D		E	

0 SEC	0.	1.000000	0.	0.	1.000000	0.025024	
5 SEC	0.003649	0.999856	0.000173	0.000133	0.857887	0.028670	
10 SEC	0.007302	0.999712	0.000323	0.000248	0.735807	0.032319	
30 SEC	0.021897	0.999136	0.000740	0.000565	0.398418	0.046898	
60 SEC	0.043778	0.998272	0.001048	0.000789	0.158720	0.068743	
2 MIN	0.087477	0.996548	0.001248	0.000913	0.025195	0.112329	
5 MIN	0.218128	0.991392	0.001401	0.000932	0.000101	0.242311	
10 MIN	0.434382	0.982857	0.001605	0.000924	0.000000	0.456370	
30 MIN	1.280932	0.949448	0.002401	0.000893	0.000000	1.281003	
60 MIN	2.497111	0.901452	0.003544	0.000848	0.	2.427018	
2 HR	4.748138	0.812616	0.005661	0.000764	0.	4.417825	
4 HR	8.606550	0.660345	0.009289	0.000621	0.	7.372455	
8 HR	14.289838	0.436055	0.014634	0.000410	0.	10.310579	
12 HR	18.042766	0.287946	0.018163	0.000271	0.	10.834910	
24 HR	23.238117	0.082913	0.023048	0.000078	0.	7.504692	
36 HR	24.734100	0.023875	0.024455	0.000022	0.	3.936638	
48 HR	25.164863	0.006875	0.024860	0.000006	0.	1.852629	
60 HR	25.288899	0.001980	0.024976	0.000002	0.	0.824662	
72 HR	25.324615	0.000570	0.025010	0.000001	0.	0.355385	
84 HR	25.334899	0.000164	0.025020	0.000000	0.	0.150088	
96 HR	25.337861	0.000047	0.025022	0.000000	0.	0.062557	
108 HR	25.338713	0.000014	0.025023	0.000000	0.	0.025845	
120 HR	25.338959	0.000004	0.025023	0.000000	0.	0.010613	
132 HR	25.339029	0.000001	0.025024	0.000000	0.	0.004340	

SATURATED IODINE 25.339058
SATURATED XENON 0.025024

		MW/KG		435.00			
TIME	IODINE		XENON		SHUTDOWN		
HOURS	A	B	C	D	E	TRANSIENT	

0 SEC	0.	1.000000	0.	0.	1.000000	0.025024	
5 SEC	0.003691	0.999856	0.000175	0.000133	0.856360	0.028712	
10 SEC	0.007387	0.999712	0.000326	0.000248	0.733188	0.032404	
30 SEC	0.022151	0.999136	0.000745	0.000562	0.394181	0.047152	
60 SEC	0.044287	0.998272	0.001052	0.000784	0.155361	0.069252	
2 MIN	0.088494	0.996548	0.001250	0.000904	0.024140	0.113345	
5 MIN	0.220665	0.991392	0.001402	0.000921	0.000091	0.244840	
10 MIN	0.439433	0.982857	0.001605	0.000914	0.000000	0.461390	
30 MIN	1.295827	0.949448	0.002401	0.000883	0.000000	1.295619	
60 MIN	2.526148	0.901452	0.003545	0.000838	0.	2.454970	
2 HR	4.803349	0.812616	0.005661	0.000755	0.	4.686945	
4 HR	8.706626	0.660345	0.009290	0.000614	0.	7.457966	
8 HR	14.455999	0.436055	0.014634	0.000405	0.	10.430310	
12 HR	18.252566	0.287946	0.018163	0.000268	0.	10.960780	
24 HR	23.508328	0.082913	0.023048	0.000077	0.	7.591908	
36 HR	25.021705	0.023875	0.024455	0.000022	0.	3.982393	
48 HR	25.457477	0.006875	0.024860	0.000006	0.	1.874163	
60 HR	25.582956	0.001980	0.024977	0.000002	0.	0.834248	
72 HR	25.619087	0.000570	0.025010	0.000001	0.	0.359516	
84 HR	25.629491	0.000164	0.025020	0.000000	0.	0.151832	
96 HR	25.632487	0.000047	0.025023	0.000000	0.	0.063284	
108 HR	25.633349	0.000014	0.025023	0.000000	0.	0.026145	
120 HR	25.633598	0.000004	0.025024	0.000000	0.	0.010737	
132 HR	25.633669	0.000001	0.025024	0.000000	0.	0.004391	

SATURATED IODINE 25.633698
SATURATED XENON 0.025024

		MW/KG		440.00			
TIME HOURS	IODINE		XENON		SHUTDOWN TRANSIENT		
	A	B	C	C	E		
0 SEC	0.	1.000000	0.	0.	1.000000	0.025024	
5 SEC	0.003733	0.999856	0.000177	0.000133	0.854836	0.028755	
10 SEC	0.007471	0.999712	0.000329	0.000247	0.730579	0.032489	
30 SEC	0.022406	0.999136	0.000751	0.000560	0.389988	0.047407	
60 SEC	0.044796	0.998272	0.001056	0.000778	0.152073	0.069761	
2 MIN	0.089512	0.996548	0.001251	0.000895	0.023129	0.114361	
5 MIN	0.223201	0.991392	0.001402	0.000911	0.000081	0.247368	
10 MIN	0.444484	0.982857	0.001605	0.000903	0.000000	0.466409	
30 MIN	1.310722	0.949448	0.002401	0.000873	0.000000	1.310234	
60 MIN	2.555184	0.901452	0.003545	0.000828	0.	2.482921	
2 HR	4.858559	0.812616	0.005662	0.000747	0.	4.520065	
4 HR	8.806702	0.660345	0.009290	0.000607	0.	7.543477	
8 HR	14.622160	0.436055	0.014634	0.000401	0.	10.550042	
12 HR	18.462366	0.287946	0.018163	0.000265	0.	11.088649	
24 HR	23.778938	0.082913	0.023048	0.000076	0.	7.679125	
36 HR	25.309311	0.023875	0.024455	0.000022	0.	4.028149	
48 HR	25.750092	0.006875	0.024860	0.000006	0.	1.895697	
60 HR	25.877013	0.001980	0.024977	0.000002	0.	0.843833	
72 HR	25.913559	0.000570	0.025010	0.000001	0.	0.363647	
84 HR	25.924083	0.000164	0.025020	0.000000	0.	0.153577	
96 HR	25.927113	0.000047	0.025023	0.000000	0.	0.064011	
108 HR	25.927986	0.000014	0.025024	0.000000	0.	0.026446	
120 HR	25.928237	0.000004	0.025024	0.000000	0.	0.010860	
132 HR	25.928309	0.000001	0.025024	0.000000	0.	0.004441	

SATURATED IODINE 25.928339
SATURATED XENON 0.025024

TIME HOURS	IODINE		MW/KG	445.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.025024
5 SEC	0.003776	0.999856	0.000179	0.000133	0.853315	0.028798
10 SEC	0.007556	0.999712	0.000332	0.000247	0.727980	0.032574
30 SEC	0.022661	0.999136	0.000756	0.000557	0.385840	0.047662
60 SEC	0.045305	0.998272	0.001060	0.000772	0.148855	0.070270
2 MIN	0.090529	0.996548	0.001253	0.000885	0.022160	0.115377
5 MIN	0.225739	0.991392	0.001402	0.000901	0.000073	0.249897
10 MIN	0.449535	0.982957	0.001606	0.000893	0.000000	0.471429
30 MIN	1.325616	0.949448	0.002402	0.000863	0.000000	1.324850
60 MIN	2.584220	0.901452	0.003545	0.000819	0.	2.510873
2 HR	4.513770	0.812616	0.005662	0.000738	0.	4.571185
4 HR	8.506779	0.660345	0.009290	0.000600	0.	7.628988
8 HR	14.788321	0.436055	0.014634	0.000396	0.	10.669773
12 HR	18.672165	0.287946	0.018163	0.000262	0.	11.212519
24 HR	24.048749	0.082913	0.023049	0.000075	0.	7.766341
36 HR	25.596917	0.023875	0.024455	0.000022	0.	4.073904
48 HR	26.042706	0.006875	0.024860	0.000006	0.	1.917232
60 HR	26.171070	0.001980	0.024977	0.000002	0.	0.853419
72 HR	26.208032	0.000570	0.025011	0.000001	0.	0.367778
84 HR	26.218675	0.000164	0.025020	0.000000	0.	0.155322
96 HR	26.221739	0.000047	0.025023	0.000000	0.	0.064738
108 HR	26.222622	0.000014	0.025024	0.000000	0.	0.026746
120 HR	26.222876	0.000004	0.025024	0.000000	0.	0.010984
132 HR	26.222949	0.000001	0.025024	0.000000	0.	0.004492

SATURATED IODINE 26.222979
SATURATED XENON 0.025024

TIME HOURS	IODINE		MW/KG	450.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.025024
5 SEC	0.003818	0.999856	0.000181	0.000133	0.851796	0.028840
10 SEC	0.007641	0.999712	0.000336	0.000246	0.725389	0.032659
30 SEC	0.022915	0.999136	0.000761	0.000555	0.381736	0.047917
60 SEC	0.045814	0.998272	0.001064	0.000766	0.145706	0.070779
2 MIN	0.091546	0.996548	0.001254	0.000876	0.021233	0.116393
5 MIN	0.228274	0.991392	0.001402	0.000891	0.000066	0.252426
10 MIN	0.454586	0.982857	0.001606	0.000883	0.000000	0.476448
30 MIN	1.340511	0.949448	0.002402	0.000853	0.000000	1.339465
60 MIN	2.613256	0.901452	0.003545	0.000810	0.	2.538824
2 HR	4.568981	0.812616	0.005662	0.000730	0.	4.622305
4 HR	8.506855	0.660345	0.009290	0.000593	0.	7.714499
8 HR	14.554482	0.436055	0.014634	0.000392	0.	10.783504
12 HR	18.681965	0.287946	0.018163	0.000259	0.	11.338388
24 HR	24.218959	0.082913	0.023049	0.000074	0.	7.853557
36 HR	25.684523	0.023875	0.024455	0.000021	0.	4.119660
48 HR	26.235321	0.006875	0.024861	0.000006	0.	1.938766
60 HR	26.465127	0.001980	0.024977	0.000002	0.	0.863005
72 HR	26.502504	0.000570	0.025011	0.000001	0.	0.371909
84 HR	26.513267	0.000164	0.025020	0.000000	0.	0.157067
96 HR	26.516366	0.000047	0.025023	0.000000	0.	0.065465
108 HR	26.517258	0.000014	0.025024	0.000000	0.	0.027046
120 HR	26.517515	0.000004	0.025024	0.000000	0.	0.011107
132 HR	26.517589	0.000001	0.025024	0.000000	0.	0.004542

SATURATED IODINE 26.517619
SATURATED XENON 0.025024

TIME HOURS	IODINE		MW/KG	455.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.025025
5 SEC	0.003861	0.999856	0.000183	0.000133	0.850280	0.028883
10 SEC	0.007726	0.999712	0.000339	0.000246	0.722808	0.032744
30 SEC	0.023170	0.999136	0.000766	0.000552	0.377676	0.048171
60 SEC	0.046323	0.998272	0.001068	0.000760	0.142622	0.071288
2 MIN	0.092563	0.996548	0.001255	0.000868	0.020343	0.117409
5 MIN	0.230810	0.991392	0.001403	0.000881	0.000059	0.254954
10 MIN	0.459637	0.982857	0.001606	0.000873	0.000000	0.481488
30 MIN	1.355405	0.949448	0.002402	0.000844	0.000000	1.354080
60 MIN	2.642292	0.901452	0.003546	0.000801	0.	2.566776
2 HR	5.024192	0.812616	0.005662	0.000722	0.	4.673425
4 HR	9.106931	0.660345	0.009291	0.000587	0.	7.800011
8 HR	15.120643	0.436055	0.014635	0.000387	0.	10.909236
12 HR	19.091764	0.287946	0.018164	0.000256	0.	11.464258
24 HR	24.589170	0.082913	0.023049	0.000074	0.	7.940773
36 HR	26.172129	0.023875	0.024456	0.000021	0.	4.165415
48 HR	26.627936	0.006875	0.024861	0.000006	0.	1.960300
60 HR	26.759184	0.001980	0.024977	0.000002	0.	0.872591
72 HR	26.796976	0.000570	0.025011	0.000000	0.	0.376041
84 HR	26.807858	0.000164	0.025021	0.000000	0.	0.158811
96 HR	26.810992	0.000047	0.025023	0.000000	0.	0.066193
108 HR	26.811894	0.000014	0.025024	0.000000	0.	0.027347
120 HR	26.812154	0.000004	0.025024	0.000000	0.	0.011230
132 HR	26.812229	0.000001	0.025024	0.000000	0.	0.004593

SATURATED IODINE 26.812259
SATURATED XENON 0.025025

TIME HOURS	IODINE		MW/KG	460.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	0.	0.025025
5 SEC	0.003903	0.999856	0.000185	0.000133	0.848767	0.028925
10 SEC	0.007811	0.999712	0.000342	0.000246	0.720236	0.032829
30 SEC	0.023424	0.999136	0.000771	0.000550	0.373659	0.048426
60 SEC	0.046832	0.998272	0.001072	0.000755	0.139604	0.071796
2 MIN	0.093580	0.996548	0.001257	0.000859	0.019492	0.118425
5 MIN	0.233347	0.991392	0.001403	0.000871	0.000053	0.257483
10 MIN	0.464688	0.982857	0.001606	0.000864	0.000000	0.486487
30 MIN	1.370300	0.949448	0.002402	0.000835	0.000000	1.368696
60 MIN	2.671329	0.901452	0.003546	0.000792	0.	2.594727
2 HR	5.079403	0.812616	0.005663	0.000714	0.	4.724545
4 HR	9.207007	0.660345	0.009291	0.000580	0.	7.885522
8 HR	15.286804	0.436055	0.014635	0.000383	0.	11.028967
12 HR	19.301564	0.287946	0.018164	0.000253	0.	11.590127
24 HR	24.859381	0.082913	0.023049	0.000073	0.	8.027989
36 HR	26.459734	0.023875	0.024456	0.000021	0.	4.211171
48 HR	26.920551	0.006875	0.024861	0.000006	0.	1.981835
60 HR	27.053241	0.001980	0.024978	0.000002	0.	0.882177
72 HR	27.091448	0.000570	0.025011	0.000000	0.	0.380172
84 HR	27.102450	0.000164	0.025021	0.000000	0.	0.160556
96 HR	27.105618	0.000047	0.025024	0.000000	0.	0.066920
108 HR	27.106530	0.000014	0.025024	0.000000	0.	0.027647
120 HR	27.106793	0.000004	0.025025	0.000000	0.	0.011354
132 HR	27.106869	0.000001	0.025025	0.000000	0.	0.004643

SATURATED IODINE 27.106899
SATURATED XENON 0.025025

TIME HOURS	MW/KG		465.00		SHUTDOWN TRANSIENT
	IODINE		XENON		
	A	B	C	D	E
0 SEC	0.	1.000000	0.	0.	1.000000
5 SEC	0.003946	0.999856	0.000186	0.000133	0.847257
10 SEC	0.007896	0.999712	0.000345	0.000245	0.717673
30 SEC	0.023679	0.999136	0.000776	0.000547	0.369684
60 SEC	0.047341	0.998272	0.001075	0.000749	0.136650
2 MIN	0.094598	0.996548	0.001258	0.000850	0.018675
5 MIN	0.235883	0.991392	0.001403	0.000862	0.000048
10 MIN	0.469739	0.982857	0.001606	0.000855	0.000000
30 MIN	1.385194	0.949448	0.002403	0.000826	0.000000
60 MIN	2.700365	0.901452	0.003546	0.000784	0.
2 HR	5.134614	0.812616	0.005663	0.000707	0.
4 HR	9.307083	0.660345	0.009291	0.000574	0.
8 HR	15.452965	0.436055	0.014635	0.000379	0.
12 HR	19.511364	0.287946	0.018164	0.000250	0.
24 HR	25.129592	0.082913	0.023049	0.000072	0.
36 HR	26.747340	0.023875	0.024456	0.000021	0.
48 HR	27.213166	0.006875	0.024861	0.000006	0.
60 HR	27.347298	0.001980	0.024978	0.000002	0.
72 HR	27.385921	0.000570	0.025011	0.000000	0.
84 HR	27.397042	0.000164	0.025021	0.000000	0.
96 HR	27.400245	0.000047	0.025024	0.000000	0.
108 HR	27.401167	0.000014	0.025025	0.000000	0.
120 HR	27.401432	0.000004	0.025025	0.000000	0.
132 HR	27.401509	0.000001	0.025025	0.000000	0.

SATURATED IODINE 27.401540
SATURATED XENON 0.025025

TIME HOURS	MW/KG		470.00		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.025025
5 SEC	0.003988	0.999856	0.000188	0.000133	0.845749	0.029011
10 SEC	0.007981	0.999712	0.000348	0.000245	0.715119	0.032999
30 SEC	0.023934	0.999136	0.000781	0.000545	0.365752	0.048935
60 SEC	0.047850	0.998272	0.001079	0.000744	0.133759	0.072814
2 MIN	0.095615	0.996548	0.001259	0.000842	0.017894	0.120457
5 MIN	0.238419	0.991392	0.001403	0.000853	0.000043	0.262540
10 MIN	0.474790	0.982857	0.001607	0.000846	0.000000	0.496526
30 MIN	1.400089	0.949448	0.002403	0.000817	0.000000	1.397926
60 MIN	2.729401	0.901452	0.003546	0.000776	0.	2.50630
2 HR	5.189825	0.812616	0.005663	0.000699	0.	4.826785
4 HR	9.407159	0.660345	0.009291	0.000568	0.	8.056544
8 HR	15.619126	0.436055	0.014635	0.000375	0.	11.268430
12 HR	19.721163	0.287946	0.018164	0.000248	0.	11.841867
24 HR	25.399802	0.082913	0.023049	0.000071	0.	8.202422
36 HR	27.349446	0.023875	0.024456	0.000021	0.	4.302682
48 HR	27.505780	0.006875	0.024861	0.000006	0.	2.024904
60 HR	27.641355	0.001980	0.024978	0.000002	0.	0.901349
72 HR	27.680393	0.000570	0.025011	0.000000	0.	0.388434
84 HR	27.691634	0.000164	0.025021	0.000000	0.	0.164045
96 HR	27.694871	0.000047	0.025024	0.000000	0.	0.068374
108 HR	27.695803	0.000014	0.025025	0.000000	0.	0.028248
120 HR	27.696071	0.000004	0.025025	0.000000	0.	0.011600
132 HR	27.696148	0.000001	0.025025	0.000000	0.	0.004744

SATURATED IODINE 27.696180
SATURATED XENON 0.025025

TIME HOURS	MW/KG		475.00		SHUTDOWN TRANSIENT	
	IODINE		XENON			
	A	B	C	D		E
0 SEC	0.	1.000000	0.	0.	1.000000	0.025025
5 SEC	0.004030	0.999856	0.000190	0.000132	0.844244	0.029053
10 SEC	0.008066	0.999712	0.000351	0.000244	0.712574	0.033084
30 SEC	0.024188	0.999136	0.000785	0.000542	0.361862	0.049190
60 SEC	0.048359	0.998272	0.001083	0.000738	0.130928	0.073323
2 MIN	0.096632	0.996548	0.001260	0.000834	0.017144	0.121473
5 MIN	0.240956	0.991392	0.001404	0.000844	0.000038	0.265609
10 MIN	0.479841	0.982857	0.001607	0.000837	0.000000	0.501549
30 MIN	1.414983	0.949448	0.002403	0.000808	0.000000	1.412542
60 MIN	2.758437	0.901452	0.003547	0.000767	0.	2.678581
2 HR	5.245036	0.812616	0.005663	0.000692	0.	4.877905
4 HR	9.507236	0.660345	0.009291	0.000562	0.	8.142055
8 HR	15.785287	0.436055	0.014635	0.000371	0.	11.388161
12 HR	19.930963	0.287946	0.018164	0.000245	0.	11.967736
24 HR	25.670013	0.082913	0.023050	0.000071	0.	8.289638
36 HR	27.322552	0.023875	0.024456	0.000020	0.	4.348438
48 HR	27.798395	0.006875	0.024861	0.000006	0.	2.046438
60 HR	27.935412	0.001980	0.024978	0.000002	0.	0.910935
72 HR	27.974865	0.000570	0.025012	0.000000	0.	0.392565
84 HR	27.986226	0.000164	0.025021	0.000000	0.	0.165790
96 HR	27.989497	0.000047	0.025024	0.000000	0.	0.069101
108 HR	27.990439	0.000014	0.025025	0.000000	0.	0.028549
120 HR	27.990710	0.000004	0.025025	0.000000	0.	0.011724
132 HR	27.990788	0.000001	0.025025	0.000000	0.	0.004795

SATURATED IODINE 27.990820
SATURATED XENON 0.025025

		MW/KG		480.00			
TIME HOURS	IODINE		XENON		E	SHUTDOWN TRANSIENT	
	A	B	C	D			

0 SEC	0.	1.000000	0.	0.	1.000000	0.025025	
5 SEC	0.004073	0.999856	0.000192	0.000132	0.842742	0.029096	
10 SEC	0.008151	0.999712	0.000354	0.000244	0.710038	0.033169	
30 SEC	0.024443	0.999136	0.000790	0.000540	0.358017	0.049445	
60 SEC	0.048868	0.998272	0.001086	0.000733	0.128158	0.073832	
2 MIN	0.097649	0.996548	0.001261	0.000826	0.016426	0.122489	
5 MIN	0.243492	0.991392	0.001404	0.000835	0.000035	0.267597	
10 MIN	0.484892	0.982857	0.001607	0.000828	0.000000	0.506565	
30 MIN	1.429878	0.949448	0.002403	0.000800	0.000000	1.427157	
60 MIN	2.787473	0.901452	0.003547	0.000759	0.	2.706533	
2 HR	5.300247	0.812616	0.005663	0.000685	0.	4.929024	
4 HR	9.607312	0.660345	0.009292	0.000556	0.	8.227566	
8 HR	15.951447	0.436055	0.014636	0.000367	0.	11.507892	
12 HR	20.140763	0.287946	0.018165	0.000243	0.	12.093606	
24 HR	25.540224	0.082913	0.023050	0.000070	0.	8.376854	
36 HR	27.610158	0.023875	0.024456	0.000020	0.	4.394193	
48 HR	28.091009	0.006875	0.024862	0.000006	0.	2.067972	
60 HR	28.229469	0.001980	0.024978	0.000002	0.	0.920521	
72 HR	28.269338	0.000570	0.025012	0.000000	0.	0.396696	
84 HR	28.280818	0.000164	0.025021	0.000000	0.	0.167535	
96 HR	28.284123	0.000047	0.025024	0.000000	0.	0.069829	
108 HR	28.285075	0.000014	0.025025	0.000000	0.	0.028849	
120 HR	28.285350	0.000004	0.025025	0.000000	0.	0.011847	
132 HR	28.285428	0.000001	0.025025	0.000000	0.	0.004845	

SATURATED IODINE 28.285460
SATURATED XENON 0.025025

TIME HOURS	IODINE		MW/KG	485.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025026
5 SEC	0.004115	0.999856	0.000194	0.000132	0.841242	0.029138
10 SEC	0.008236	0.999712	0.000358	0.000244	0.707512	0.033254
30 SEC	0.024697	0.999136	0.000795	0.000538	0.354205	0.049700
60 SEC	0.049377	0.998272	0.001090	0.000728	0.125446	0.074341
2 MIN	0.098666	0.996548	0.001262	0.000818	0.015739	0.123506
5 MIN	0.246029	0.991392	0.001404	0.000826	0.000031	0.270126
10 MIN	0.489943	0.982857	0.001607	0.000819	0.000000	0.511584
30 MIN	1.444773	0.949448	0.002403	0.000792	0.000000	1.441772
60 MIN	2.816509	0.901452	0.003547	0.000752	0.	2.734484
2 HR	5.355458	0.812616	0.005664	0.000677	0.	4.980144
4 HR	9.707388	0.660345	0.009292	0.000551	0.	8.313077
8 HR	16.117608	0.436055	0.014636	0.000364	0.	11.627623
12 HR	20.350562	0.287946	0.018165	0.000240	0.	12.219475
24 HR	26.210434	0.082913	0.023050	0.000069	0.	8.464070
36 HR	27.897763	0.023875	0.024457	0.000020	0.	4.439949
48 HR	28.383624	0.006875	0.024862	0.000006	0.	2.089507
60 HR	28.523526	0.001980	0.024978	0.000002	0.	0.930107
72 HR	28.563810	0.000570	0.025012	0.000000	0.	0.400827
84 HR	28.575410	0.000164	0.025022	0.000000	0.	0.169279
96 HR	28.578750	0.000047	0.025024	0.000000	0.	0.070556
108 HR	28.579711	0.000014	0.025025	0.000000	0.	0.029149
120 HR	28.579988	0.000004	0.025025	0.000000	0.	0.011971
132 HR	28.580068	0.000001	0.025025	0.000000	0.	0.004895

SATURATED IODINE 28.580101
SATURATED XENON 0.025026

TIME HOURS	IODINE		MW/KG	490.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025026
5 SEC	0.004158	0.999856	0.000196	0.000132	0.839745	0.029181
10 SEC	0.008321	0.999712	0.000361	0.000243	0.704994	0.033339
30 SEC	0.024952	0.999136	0.000799	0.000535	0.354338	0.049954
60 SEC	0.049886	0.998272	0.001093	0.000722	0.122791	0.074850
2 MIN	0.099683	0.996548	0.001263	0.000810	0.015080	0.124522
5 MIN	0.248565	0.991392	0.001404	0.000818	0.000028	0.272654
10 MIN	0.494994	0.982857	0.001608	0.000811	0.000000	0.516604
30 MIN	1.459667	0.949448	0.002404	0.000783	0.000000	1.456388
60 MIN	2.845546	0.901452	0.003547	0.000744	0.	2.762436
2 HR	5.410669	0.812616	0.005664	0.000671	0.	5.031264
4 HR	9.807464	0.660345	0.009292	0.000545	0.	8.398588
8 HR	16.283769	0.436055	0.014636	0.000360	0.	11.747355
12 HR	20.560362	0.287946	0.018165	0.000238	0.	12.345345
24 HR	26.480645	0.082913	0.023050	0.000068	0.	8.551286
36 HR	28.185369	0.023875	0.024457	0.000020	0.	4.485704
48 HR	28.676239	0.006875	0.024862	0.000006	0.	2.111041
60 HR	28.817583	0.001980	0.024978	0.000002	0.	0.936693
72 HR	28.858282	0.000570	0.025012	0.000000	0.	0.404958
84 HR	28.870002	0.000164	0.025022	0.000000	0.	0.171024
96 HR	28.873376	0.000047	0.025025	0.000000	0.	0.071283
108 HR	28.874348	0.000014	0.025025	0.000000	0.	0.029450
120 HR	28.874628	0.000004	0.025026	0.000000	0.	0.012094
132 HR	28.874708	0.000001	0.025026	0.000000	0.	0.004946

SATURATED IODINE 28.874741
SATURATED XENON 0.025026

TIME HOURS	IODINE		MW/KG	495.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025026
5 SEC	0.004200	0.999856	0.000197	0.000132	0.838250	0.029224
10 SEC	0.008405	0.999712	0.000364	0.000243	0.702485	0.033424
30 SEC	0.025207	0.999136	0.000804	0.000533	0.346710	0.050209
60 SEC	0.050395	0.998272	0.001096	0.000717	0.120193	0.075359
2 MIN	0.100701	0.996548	0.001264	0.000802	0.014448	0.125538
5 MIN	0.251101	0.991392	0.001404	0.000810	0.000025	0.275183
10 MIN	0.500044	0.982857	0.001608	0.000803	0.000000	0.521623
30 MIN	1.474562	0.949448	0.002404	0.000776	0.000000	1.471003
60 MIN	2.874582	0.901452	0.003547	0.000736	0.	2.790387
2 HR	5.465879	0.812616	0.005664	0.000664	0.	5.082384
4 HR	9.907540	0.660345	0.009292	0.000539	0.	8.484099
8 HR	16.449930	0.436055	0.014636	0.000356	0.	11.867086
12 HR	20.770161	0.287946	0.018165	0.000235	0.	12.471214
24 HR	26.750856	0.082913	0.023050	0.000068	0.	8.638502
36 HR	28.472975	0.023875	0.024457	0.000019	0.	4.531460
48 HR	28.968853	0.006875	0.024862	0.000006	0.	2.132575
60 HR	29.111640	0.001980	0.024979	0.000002	0.	0.949279
72 HR	29.152754	0.000570	0.025012	0.000000	0.	0.409089
84 HR	29.164593	0.000164	0.025022	0.000000	0.	0.172769
96 HR	29.168002	0.000047	0.025025	0.000000	0.	0.072010
108 HR	29.168984	0.000014	0.025025	0.000000	0.	0.029750
120 HR	29.169267	0.000004	0.025026	0.000000	0.	0.012217
132 HR	29.169348	0.000001	0.025026	0.000000	0.	0.004996

SATURATED IODINE 29.169381
SATURATED XENON 0.025026

TIME HOURS	IODINE		MW/KG	500.00 XENON		SHUTDOWN TRANSIENT
	A	B		C	D	
0 SEC	0.	1.000000	0.	0.	1.000000	0.025026
5 SEC	0.004243	0.999856	0.000199	0.000132	0.836759	0.029266
10 SEC	0.008490	0.999712	0.000367	0.000242	0.699985	0.033509
30 SEC	0.025461	0.999136	0.000809	0.000531	0.343023	0.050464
60 SEC	0.050904	0.998272	0.001100	0.000712	0.117649	0.075868
2 MIN	0.101718	0.996548	0.001265	0.000795	0.013843	0.126554
5 MIN	0.253638	0.991392	0.001405	0.000802	0.000023	0.277712
10 MIN	0.505095	0.982857	0.001608	0.000795	0.000000	0.526643
30 MIN	1.489458	0.949448	0.002404	0.000768	0.000000	1.485618
60 MIN	2.903618	0.901452	0.003548	0.000729	0.	2.818338
2 HR	5.521090	0.812616	0.005664	0.000657	0.	5.133504
4 HR	10.007616	0.660345	0.009292	0.000534	0.	8.569610
8 HR	16.416091	0.436055	0.014636	0.000353	0.	11.986817
12 HR	20.579961	0.287946	0.018165	0.000233	0.	12.597084
24 HR	27.021066	0.082913	0.023050	0.000067	0.	8.725718
36 HR	28.760581	0.023875	0.024457	0.000019	0.	4.577215
48 HR	29.261468	0.006875	0.024862	0.000006	0.	2.154110
60 HR	29.405696	0.001980	0.024979	0.000002	0.	0.958864
72 HR	29.447226	0.000570	0.025012	0.000000	0.	0.413221
84 HR	29.459185	0.000164	0.025022	0.000000	0.	0.174513
96 HR	29.462628	0.000047	0.025025	0.000000	0.	0.072737
108 HR	29.463620	0.000014	0.025026	0.000000	0.	0.030051
120 HR	29.463906	0.000004	0.025026	0.000000	0.	0.012341
132 HR	29.463987	0.000001	0.025026	0.000000	0.	0.005047

SATURATED IODINE 29.464021
SATURATED XENON 0.025026

TIME HOURS	PROMETHIUM		MW/KG	0. SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.	0.974725	0.	0.025275	1.000000	0.005285
4.0	0.	0.950089	0.	0.049911	1.000000	0.005285
6.0	0.	0.926075	0.	0.073925	1.000000	0.005285
8.0	0.	0.902668	0.	0.097332	1.000000	0.005285
12.0	0.	0.857615	0.	0.142385	1.000000	0.005285
16.0	0.	0.814810	0.	0.185190	1.000000	0.005285
20.0	0.	0.774142	0.	0.225858	1.000000	0.005285
24.0	0.	0.735503	0.	0.264497	1.000000	0.005285
30.0	0.	0.681131	0.	0.318869	1.000000	0.005285
36.0	0.	0.630779	0.	0.369221	1.000000	0.005285
42.0	0.	0.584149	0.	0.415851	1.000000	0.005285
48.0	0.	0.540965	0.	0.459035	1.000000	0.005285
60.0	0.	0.463940	0.	0.536060	1.000000	0.005285
72.0	0.	0.397882	0.	0.602118	1.000000	0.005285
84.0	0.	0.341230	0.	0.658770	1.000000	0.005285
96.0	0.	0.292644	0.	0.707356	1.000000	0.005285
120.0	0.	0.215240	0.	0.784760	1.000000	0.005285
144.0	0.	0.158310	0.	0.841690	1.000000	0.005285
168.0	0.	0.116438	0.	0.883562	1.000000	0.005285
192.0	0.	0.085640	0.	0.914360	1.000000	0.005285
216.0	0.	0.062989	0.	0.937011	1.000000	0.005285
240.0	0.	0.046328	0.	0.953672	1.000000	0.005285
264.0	0.	0.034075	0.	0.965925	1.000000	0.005285

SATURATED PROMETHIUM 0.
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	0.20 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.000013	0.974725	0.000000	0.025244	0.997546	0.005297
4.0	0.000025	0.950089	0.000001	0.049788	0.995098	0.005310
6.0	0.000037	0.926075	0.000001	0.073650	0.992657	0.005322
8.0	0.000049	0.902668	0.000003	0.096847	0.990221	0.005334
12.0	0.000072	0.857615	0.000006	0.141314	0.985367	0.005357
16.0	0.000094	0.814810	0.000010	0.183320	0.980537	0.005378
20.0	0.000115	0.774142	0.000015	0.222989	0.975731	0.005399
24.0	0.000134	0.735503	0.000021	0.260439	0.970949	0.005419
30.0	0.000162	0.681131	0.000033	0.312696	0.963819	0.005446
36.0	0.000187	0.630779	0.000046	0.360565	0.956741	0.005472
42.0	0.000211	0.584149	0.000061	0.404374	0.949715	0.005495
48.0	0.000233	0.540965	0.000077	0.444427	0.942741	0.005517
60.0	0.000272	0.463940	0.000115	0.514370	0.928946	0.005556
72.0	0.000305	0.397882	0.000157	0.572404	0.915353	0.005590
84.0	0.000334	0.341230	0.000204	0.620255	0.901959	0.005619
96.0	0.000359	0.292644	0.000253	0.659399	0.888761	0.005643
120.0	0.000398	0.215240	0.000361	0.716459	0.862941	0.005683
144.0	0.000427	0.158310	0.000476	0.751702	0.837871	0.005711
168.0	0.000448	0.116438	0.000594	0.771094	0.813530	0.005733
192.0	0.000464	0.085640	0.000715	0.779017	0.789896	0.005748
216.0	0.000475	0.062989	0.000837	0.778690	0.766948	0.005760
240.0	0.000484	0.046328	0.000958	0.772472	0.744667	0.005768
264.0	0.000490	0.034075	0.001077	0.762097	0.723033	0.005774

SATURATED PROMETHIUM 0.000507
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	0.40 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.000026	0.974725	0.000000	0.025213	0.995098	0.005310
4.0	0.000051	0.950089	0.000001	0.049665	0.990221	0.005335
6.0	0.000075	0.926075	0.000003	0.073376	0.985367	0.005360
8.0	0.000099	0.902668	0.000005	0.096365	0.980537	0.005383
12.0	0.000144	0.857615	0.000011	0.140254	0.970949	0.005429
16.0	0.000188	0.814810	0.000020	0.181475	0.961453	0.005472
20.0	0.000229	0.774142	0.000030	0.220168	0.952051	0.005514
24.0	0.000268	0.735503	0.000042	0.256463	0.942741	0.005553
30.0	0.000323	0.681131	0.000064	0.306678	0.928946	0.005608
36.0	0.000375	0.630779	0.000090	0.352169	0.915353	0.005659
42.0	0.000422	0.584149	0.000119	0.393300	0.901959	0.005706
48.0	0.000466	0.540965	0.000151	0.430407	0.888761	0.005750
60.0	0.000544	0.463940	0.000223	0.493776	0.862941	0.005828
72.0	0.000611	0.397882	0.000304	0.544500	0.837871	0.005895
84.0	0.000668	0.341230	0.000393	0.584486	0.813530	0.005953
96.0	0.000717	0.292644	0.000486	0.615364	0.789896	0.006002
120.0	0.000796	0.215240	0.000685	0.655181	0.744667	0.006081
144.0	0.000854	0.158310	0.000892	0.672868	0.702028	0.006138
168.0	0.000896	0.116438	0.001102	0.674940	0.661831	0.006181
192.0	0.000927	0.085640	0.001312	0.666156	0.623395	0.006212
216.0	0.000950	0.062989	0.001517	0.649976	0.588209	0.006235
240.0	0.000967	0.046328	0.001716	0.628913	0.554529	0.006252
264.0	0.000980	0.034075	0.001908	0.604784	0.522777	0.006264

SATURATED PROMETHIUM 0.002536
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	0.60 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.000038	0.974725	0.000000	0.025182	0.992657	0.005323
4.0	0.000076	0.950089	0.000002	0.049542	0.985367	0.005360
6.0	0.000112	0.926075	0.000004	0.073103	0.978131	0.005397
8.0	0.000148	0.902668	0.000008	0.095887	0.970949	0.005433
12.0	0.000217	0.857615	0.000017	0.139204	0.956741	0.005501
16.0	0.000282	0.814810	0.000029	0.179655	0.942741	0.005566
20.0	0.000344	0.774142	0.000045	0.217394	0.928946	0.005628
24.0	0.000402	0.735503	0.000063	0.252565	0.915353	0.005687
30.0	0.000485	0.681131	0.000095	0.300810	0.895335	0.005770
36.0	0.000562	0.630779	0.000133	0.344024	0.875756	0.005846
42.0	0.000633	0.584149	0.000176	0.382613	0.856604	0.005917
48.0	0.000698	0.540965	0.000222	0.416949	0.837871	0.005983
60.0	0.000816	0.463940	0.000327	0.474216	0.801626	0.006100
72.0	0.000916	0.397882	0.000443	0.518284	0.766948	0.006201
84.0	0.001002	0.341230	0.000568	0.551251	0.733770	0.006287
96.0	0.001076	0.292644	0.000700	0.574904	0.702028	0.006361
120.0	0.001194	0.215240	0.000976	0.600152	0.642604	0.006479
144.0	0.001281	0.158310	0.001258	0.603713	0.588209	0.006565
168.0	0.001344	0.116438	0.001538	0.592594	0.538419	0.006629
192.0	0.001391	0.085640	0.001810	0.571841	0.492843	0.006676
216.0	0.001426	0.062989	0.002071	0.545066	0.451126	0.006710
240.0	0.001451	0.046328	0.002319	0.514837	0.412939	0.006736
264.0	0.001470	0.034075	0.002552	0.482958	0.377985	0.006754

SATURATED PROMETHIUM 0.003043
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	0.80 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.000051	0.974725	0.000001	0.025151	0.990221	0.005336
4.0	0.000101	0.950089	0.000003	0.049420	0.980537	0.005386
6.0	0.000150	0.926075	0.000006	0.072832	0.970949	0.005435
8.0	0.000197	0.902668	0.000010	0.095411	0.961453	0.005482
12.0	0.000289	0.857615	0.000022	0.138164	0.942741	0.005573
16.0	0.000376	0.814810	0.000039	0.177858	0.924393	0.005660
20.0	0.000458	0.774142	0.000059	0.214665	0.906402	0.005743
24.0	0.000537	0.735503	0.000083	0.248745	0.888761	0.005821
30.0	0.000647	0.681131	0.000126	0.295087	0.862941	0.005931
36.0	0.000749	0.630779	0.000175	0.336122	0.837871	0.006034
42.0	0.000844	0.584149	0.000230	0.372298	0.813530	0.006128
48.0	0.000931	0.540965	0.000291	0.404027	0.789896	0.006216
60.0	0.001087	0.463940	0.000425	0.455635	0.744667	0.006372
72.0	0.001221	0.397882	0.000573	0.493646	0.702028	0.006506
84.0	0.001336	0.341230	0.000731	0.520353	0.661831	0.006621
96.0	0.001435	0.292644	0.000897	0.537704	0.623935	0.006720
120.0	0.001592	0.215240	0.001237	0.550684	0.554529	0.006877
144.0	0.001707	0.158310	0.001579	0.542966	0.492843	0.006992
168.0	0.001792	0.116438	0.001911	0.521946	0.438020	0.007077
192.0	0.001855	0.085640	0.002228	0.492848	0.389295	0.007139
216.0	0.001901	0.062989	0.002524	0.459327	0.345990	0.007185
240.0	0.001935	0.046328	0.002800	0.423899	0.307502	0.007219
264.0	0.001959	0.034075	0.003053	0.388269	0.273296	0.007244

SATURATED PROMETHIUM 0.001521
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	1.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.000064	0.974725	0.000001	0.025120	0.987791	0.005349
4.0	0.000127	0.950089	0.000003	0.049298	0.975731	0.005411
6.0	0.000187	0.926075	0.000007	0.072562	0.963819	0.005472
8.0	0.000247	0.902668	0.000013	0.094939	0.952051	0.005531
12.0	0.000361	0.857615	0.000028	0.137135	0.928946	0.005646
16.0	0.000470	0.814810	0.000048	0.176086	0.906402	0.005754
20.0	0.000573	0.774142	0.000073	0.211981	0.884404	0.005857
24.0	0.000671	0.735503	0.000103	0.245000	0.862941	0.005955
30.0	0.000809	0.681131	0.000155	0.289505	0.831718	0.006093
36.0	0.000936	0.630779	0.000215	0.328455	0.801626	0.006221
42.0	0.001055	0.584149	0.000283	0.362342	0.772622	0.006339
48.0	0.001164	0.540965	0.000356	0.391619	0.744667	0.006449
60.0	0.001359	0.463940	0.000518	0.437978	0.691755	0.006644
72.0	0.001527	0.397882	0.000696	0.470480	0.642604	0.006811
84.0	0.001670	0.341230	0.000883	0.491614	0.596744	0.006955
96.0	0.001794	0.292644	0.001077	0.503478	0.554529	0.007078
120.0	0.001990	0.215240	0.001472	0.506169	0.478526	0.007275
144.0	0.002134	0.158310	0.001861	0.489528	0.412939	0.007419
168.0	0.002241	0.116438	0.002232	0.461220	0.356342	0.007525
192.0	0.002319	0.085640	0.002578	0.426533	0.307502	0.007603
216.0	0.002376	0.062989	0.002896	0.389054	0.265356	0.007661
240.0	0.002418	0.046328	0.003184	0.351163	0.228987	0.007703
264.0	0.002449	0.034075	0.003443	0.314383	0.197602	0.007734

SATURATED PROMETHIUM 0.002029
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	1.20 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.000077	0.974725	0.000001	0.025089	0.985367	0.005361
4.0	0.000152	0.950089	0.000004	0.049177	0.970949	0.005436
6.0	0.000225	0.926075	0.000009	0.072294	0.956741	0.005509
8.0	0.000296	0.902668	0.000015	0.094470	0.942741	0.005581
12.0	0.000433	0.857615	0.000033	0.136116	0.915353	0.005718
16.0	0.000564	0.814810	0.000057	0.174336	0.888761	0.005848
20.0	0.000687	0.774142	0.000087	0.209341	0.862941	0.005972
24.0	0.000805	0.735503	0.000122	0.241329	0.837871	0.006089
30.0	0.000970	0.681131	0.000184	0.284062	0.801626	0.006255
36.0	0.001124	0.630779	0.000255	0.321015	0.766948	0.006408
42.0	0.001265	0.584149	0.000334	0.352729	0.733770	0.006550
48.0	0.001397	0.540965	0.000419	0.379701	0.702028	0.006681
60.0	0.001631	0.463940	0.000607	0.421194	0.642604	0.006916
72.0	0.001832	0.397882	0.000811	0.448691	0.588209	0.007117
84.0	0.002005	0.341230	0.001025	0.464869	0.538419	0.007289
96.0	0.002152	0.292644	0.001244	0.471966	0.492843	0.007437
120.0	0.002368	0.215240	0.001684	0.466070	0.412939	0.007673
144.0	0.002561	0.158310	0.002110	0.442450	0.345990	0.007846
168.0	0.002689	0.116438	0.002508	0.408921	0.289895	0.007973
192.0	0.002782	0.085640	0.002873	0.370723	0.242895	0.008067
216.0	0.002851	0.062989	0.003201	0.331285	0.203514	0.008136
240.0	0.002902	0.046328	0.003493	0.292776	0.170519	0.008187
264.0	0.002939	0.034075	0.003749	0.256489	0.142873	0.008224

SATURATED PROMETHIUM 0.003043
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	1.40 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.000090	0.974725	0.000001	0.025058	0.982949	0.005374
4.0	0.000177	0.950089	0.000005	0.049056	0.966189	0.005462
6.0	0.000262	0.926075	0.000010	0.072027	0.949715	0.005547
8.0	0.000346	0.902668	0.000018	0.094004	0.933522	0.005630
12.0	0.000505	0.857615	0.000038	0.135107	0.901959	0.005790
16.0	0.000657	0.814810	0.000066	0.172609	0.871463	0.005942
20.0	0.000802	0.774142	0.000101	0.206744	0.841998	0.006086
24.0	0.000939	0.735503	0.000141	0.237730	0.813530	0.006224
30.0	0.001132	0.681131	0.000212	0.278752	0.772622	0.006417
36.0	0.001311	0.630779	0.000293	0.313794	0.733770	0.006595
42.0	0.001476	0.584149	0.000383	0.343448	0.696873	0.006761
48.0	0.001630	0.540965	0.000480	0.368252	0.661831	0.006914
60.0	0.001903	0.463940	0.000691	0.405236	0.596944	0.007188
72.0	0.002138	0.397882	0.000919	0.428188	0.538419	0.007422
84.0	0.002339	0.341230	0.001156	0.439964	0.485632	0.007623
96.0	0.002511	0.292644	0.001397	0.442932	0.438020	0.007796
120.0	0.002786	0.215240	0.001875	0.429909	0.356342	0.008071
144.0	0.002988	0.158310	0.002329	0.400912	0.289895	0.008273
168.0	0.003137	0.116438	0.002747	0.363789	0.235838	0.008421
192.0	0.003246	0.085640	0.003122	0.323634	0.191861	0.008531
216.0	0.003326	0.062989	0.003453	0.283645	0.156085	0.008611
240.0	0.003386	0.046328	0.003741	0.245728	0.126980	0.008670
264.0	0.003429	0.034075	0.003990	0.210921	0.103302	0.008714

SATURATED PROMETHIUM 0.003550
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	1.60 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.000103	0.974725	0.000001	0.025027	0.980537	0.005387
4.0	0.000202	0.950089	0.000005	0.048935	0.961453	0.005487
6.0	0.000300	0.926075	0.000011	0.071761	0.942741	0.005584
8.0	0.000395	0.902668	0.000020	0.093541	0.924393	0.005679
12.0	0.000578	0.857615	0.000044	0.134107	0.888761	0.005862
16.0	0.000751	0.814810	0.000075	0.170905	0.854502	0.006036
20.0	0.000916	0.774142	0.000115	0.204190	0.821564	0.006201
24.0	0.001073	0.735503	0.000160	0.234202	0.789896	0.006358
30.0	0.001294	0.681131	0.000239	0.273572	0.744667	0.006578
36.0	0.001498	0.630779	0.000330	0.306786	0.702028	0.006783
42.0	0.001687	0.584149	0.000430	0.334485	0.661831	0.006972
48.0	0.001862	0.540965	0.000538	0.357251	0.623935	0.007147
60.0	0.002175	0.463940	0.000772	0.390059	0.554529	0.007459
72.0	0.002443	0.397882	0.001021	0.408886	0.492843	0.007727
84.0	0.002673	0.341230	0.001279	0.416761	0.438020	0.007957
96.0	0.002870	0.292644	0.001539	0.416162	0.389295	0.008154
120.0	0.003184	0.215240	0.002048	0.397262	0.307502	0.008469
144.0	0.003415	0.158310	0.002523	0.364206	0.242895	0.008699
168.0	0.003585	0.116438	0.002953	0.324761	0.191861	0.008869
192.0	0.003710	0.085640	0.003332	0.283797	0.151550	0.008994
216.0	0.003802	0.062989	0.003661	0.244227	0.119709	0.009086
240.0	0.003869	0.046328	0.003942	0.207666	0.094558	0.009154
264.0	0.003919	0.034075	0.004180	0.174885	0.074691	0.009204

SATURATED PROMETHIUM 0.004057
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	1.80 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.000115	0.974725	0.000001	0.024997	0.978131	0.005400
4.0	0.000228	0.950089	0.000006	0.048815	0.956741	0.005512
6.0	0.000337	0.926075	0.000013	0.071496	0.935818	0.005622
8.0	0.000444	0.902668	0.000022	0.093081	0.915353	0.005729
12.0	0.000650	0.857615	0.000049	0.133118	0.875756	0.005934
16.0	0.000845	0.814810	0.000084	0.169224	0.837871	0.006130
20.0	0.001031	0.774142	0.000128	0.201678	0.801626	0.006315
24.0	0.001207	0.735503	0.000178	0.230743	0.766948	0.006492
30.0	0.001455	0.681131	0.000266	0.268519	0.717724	0.006740
36.0	0.001685	0.630779	0.000366	0.299983	0.671659	0.006970
42.0	0.001898	0.584149	0.000476	0.325828	0.628551	0.007183
48.0	0.002095	0.540965	0.000594	0.346680	0.588209	0.007380
60.0	0.002447	0.463940	0.000848	0.375619	0.515127	0.007731
72.0	0.002748	0.397882	0.001117	0.390709	0.451126	0.008033
84.0	0.003007	0.341230	0.001393	0.395131	0.395076	0.008291
96.0	0.003229	0.292644	0.001669	0.391462	0.345990	0.008513
120.0	0.003582	0.215240	0.002204	0.367756	0.265356	0.008867
144.0	0.003842	0.158310	0.002695	0.331715	0.203514	0.009126
168.0	0.004033	0.116438	0.003132	0.290937	0.156085	0.009317
192.0	0.004174	0.085640	0.003511	0.250001	0.119709	0.009548
216.0	0.004277	0.062989	0.003834	0.211498	0.091811	0.009561
240.0	0.004353	0.046328	0.004106	0.176742	0.070414	0.009637
264.0	0.004409	0.034075	0.004332	0.146242	0.054004	0.009693

SATURATED PROMETHIUM 0.004564
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	2.00 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	-0.	1.000000	0.005285
2.0	0.000128	0.974725	0.000002	0.024966	0.975731	0.005413
4.0	0.000253	0.950089	0.000006	0.048695	0.952051	0.005538
6.0	0.000375	0.926075	0.000014	0.071233	0.928946	0.005659
8.0	0.000494	0.902668	0.000025	0.092624	0.906402	0.005778
12.0	0.000722	0.857615	0.000054	0.132138	0.862941	0.006007
16.0	0.000939	0.814810	0.000093	0.167564	0.821564	0.006224
20.0	0.001145	0.774142	0.000141	0.199206	0.782171	0.006430
24.0	0.001341	0.735503	0.000196	0.227351	0.744667	0.006626
30.0	0.001617	0.681131	0.000292	0.263589	0.691755	0.006902
36.0	0.001873	0.630779	0.000401	0.293379	0.642604	0.007157
42.0	0.002109	0.584149	0.000520	0.317465	0.596944	0.007394
48.0	0.002328	0.540965	0.000647	0.336518	0.554529	0.007613
60.0	0.002719	0.463940	0.000920	0.361878	0.478526	0.008003
72.0	0.003054	0.397882	0.001208	0.373583	0.412939	0.008338
84.0	0.003341	0.341230	0.001500	0.374956	0.356342	0.008626
96.0	0.003587	0.292644	0.001790	0.368654	0.307502	0.008872
120.0	0.003980	0.215240	0.002345	0.341057	0.228987	0.009265
144.0	0.004269	0.158310	0.002847	0.302909	0.170519	0.009553
168.0	0.004481	0.116438	0.003287	0.261559	0.126980	0.009766
192.0	0.004637	0.085640	0.003663	0.221246	0.094558	0.009922
216.0	0.004752	0.062989	0.003978	0.184225	0.070414	0.010037
240.0	0.004837	0.046328	0.004239	0.151507	0.052435	0.010121
264.0	0.004899	0.034075	0.004453	0.123355	0.039047	0.010183

SATURATED PROMETHIUM 0.005072
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	2.20 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000141	0.974725	0.000002	0.024935	0.973337	0.005426
4.0	0.000278	0.950089	0.000007	0.048575	0.947385	0.005563
6.0	0.000412	0.926075	0.000016	0.070971	0.922125	0.005697
8.0	0.000543	0.902668	0.000027	0.092170	0.897538	0.005828
12.0	0.000794	0.857615	0.000059	0.131168	0.850314	0.006079
16.0	0.001033	0.814810	0.000102	0.165926	0.805574	0.006318
20.0	0.001260	0.774142	0.000154	0.196775	0.763189	0.006545
24.0	0.001476	0.735503	0.000214	0.224026	0.723033	0.006760
30.0	0.001779	0.681131	0.000318	0.258779	0.666727	0.007063
36.0	0.002060	0.630779	0.000435	0.286967	0.614805	0.007344
42.0	0.002320	0.584149	0.000563	0.309386	0.566927	0.007604
48.0	0.002561	0.540965	0.000699	0.326750	0.522777	0.007845
60.0	0.002991	0.463940	0.000990	0.348797	0.444525	0.008275
72.0	0.003359	0.397882	0.001293	0.357441	0.377985	0.008644
84.0	0.003675	0.341230	0.001599	0.356126	0.321406	0.008960
96.0	0.003946	0.292644	0.001901	0.347578	0.273296	0.009231
120.0	0.004378	0.215240	0.002473	0.316870	0.197602	0.009663
144.0	0.004696	0.158310	0.002982	0.277327	0.142873	0.009980
168.0	0.004929	0.116438	0.003422	0.235982	0.103302	0.010214
192.0	0.005101	0.085640	0.003792	0.196708	0.074691	0.010385
216.0	0.005227	0.062989	0.004099	0.161412	0.054004	0.010512
240.0	0.005320	0.046328	0.004348	0.130817	0.039047	0.010605
264.0	0.005389	0.034075	0.004550	0.104964	0.028232	0.010673

SATURATED PROMETHIUM 0.005579
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG C	2.40 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000154	0.974725	0.000002	0.024905	0.970949	0.005438
4.0	0.000304	0.950089	0.000008	0.048456	0.942741	0.005588
6.0	0.000450	0.926075	0.000017	0.070710	0.915353	0.005734
8.0	0.000592	0.902668	0.000030	0.091719	0.888761	0.005877
12.0	0.000867	0.857615	0.000064	0.130207	0.837871	0.006151
16.0	0.001127	0.814810	0.000110	0.164309	0.789896	0.006412
20.0	0.001375	0.774142	0.000166	0.194383	0.744667	0.006659
24.0	0.001610	0.735503	0.000231	0.220765	0.702028	0.006894
30.0	0.001941	0.681131	0.000342	0.254085	0.642604	0.007225
36.0	0.002247	0.630779	0.000468	0.280741	0.588209	0.007532
42.0	0.002531	0.584149	0.000604	0.301579	0.538419	0.007815
48.0	0.002794	0.540965	0.000749	0.317357	0.492843	0.008078
60.0	0.003262	0.463940	0.001055	0.336342	0.412939	0.008547
72.0	0.003664	0.397882	0.001373	0.342219	0.345990	0.008949
84.0	0.004009	0.341230	0.001692	0.338543	0.289895	0.009294
96.0	0.004305	0.292644	0.002004	0.328086	0.242895	0.009589
120.0	0.004776	0.215240	0.002589	0.294931	0.170519	0.010060
144.0	0.005122	0.158310	0.003103	0.254567	0.119709	0.010407
168.0	0.005377	0.116438	0.003540	0.213663	0.084039	0.010662
192.0	0.005565	0.085640	0.003903	0.175703	0.058998	0.010849
216.0	0.005703	0.062989	0.004200	0.142255	0.041418	0.010987
240.0	0.005804	0.046328	0.004438	0.113772	0.029077	0.011088
264.0	0.005878	0.034075	0.004628	0.090099	0.020413	0.011163

SATURATED PROMETHIUM 0.006086
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG C	2.60 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000167	0.974725	0.000002	0.024874	0.968566	0.005451
4.0	0.000329	0.950089	0.000008	0.048337	0.938120	0.005614
6.0	0.000487	0.926075	0.000018	0.070451	0.908631	0.005772
8.0	0.000642	0.902668	0.000032	0.091271	0.880069	0.005926
12.0	0.000939	0.857615	0.000069	0.129256	0.825611	0.006223
16.0	0.001221	0.814810	0.000119	0.162713	0.774522	0.006506
20.0	0.001489	0.774142	0.000179	0.192030	0.726595	0.006774
24.0	0.001744	0.735503	0.000248	0.217567	0.681633	0.007028
30.0	0.002102	0.681131	0.000367	0.249505	0.619353	0.007387
36.0	0.002434	0.630779	0.000500	0.274694	0.562764	0.007719
42.0	0.002742	0.584149	0.000644	0.294035	0.511345	0.008026
48.0	0.003026	0.540965	0.000796	0.308323	0.464624	0.008311
60.0	0.003534	0.463940	0.001118	0.324478	0.383598	0.008819
72.0	0.003970	0.397882	0.001449	0.327859	0.316703	0.009254
84.0	0.004343	0.341230	0.001779	0.322113	0.261473	0.009628
96.0	0.004664	0.292644	0.002100	0.310046	0.215875	0.009948
120.0	0.005174	0.215240	0.002694	0.275007	0.147148	0.010458
144.0	0.005549	0.158310	0.003210	0.234283	0.100301	0.010834
168.0	0.005825	0.116438	0.003643	0.194138	0.068368	0.011110
192.0	0.006028	0.085640	0.003999	0.157664	0.046602	0.011313
216.0	0.006178	0.062989	0.004285	0.126102	0.031766	0.011462
240.0	0.006288	0.046328	0.004513	0.099659	0.021652	0.011572
264.0	0.006368	0.034075	0.004692	0.078011	0.014759	0.011653

SATURATED PROMETHIUM 0.006593
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG C	2.80 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000179	0.974725	0.000002	0.024844	0.966189	0.005464
4.0	0.000354	0.950089	0.000009	0.048219	0.933522	0.005639
6.0	0.000525	0.926075	0.000020	0.070192	0.901959	0.005809
8.0	0.000691	0.902668	0.000034	0.090826	0.871463	0.005976
12.0	0.001011	0.857615	0.000074	0.128314	0.813530	0.006296
16.0	0.001315	0.814810	0.000127	0.161138	0.759448	0.006599
20.0	0.001604	0.774142	0.000191	0.189715	0.708961	0.006888
24.0	0.001878	0.735503	0.000265	0.214432	0.661831	0.007163
30.0	0.002264	0.681131	0.000390	0.245035	0.596944	0.007549
36.0	0.002622	0.630779	0.000531	0.268822	0.538419	0.007906
42.0	0.002953	0.584149	0.000682	0.286742	0.485632	0.008237
48.0	0.003259	0.540965	0.000842	0.299633	0.438020	0.008544
60.0	0.003806	0.463940	0.001178	0.313173	0.356342	0.009091
72.0	0.004275	0.397882	0.001521	0.314306	0.289895	0.009560
84.0	0.004677	0.341230	0.001860	0.306751	0.235838	0.009962
96.0	0.005022	0.292644	0.002188	0.293336	0.191861	0.010307
120.0	0.005572	0.215240	0.002790	0.256891	0.126980	0.010856
144.0	0.005976	0.158310	0.003306	0.216172	0.084039	0.011261
168.0	0.006273	0.116438	0.003734	0.177016	0.055620	0.011558
192.0	0.006492	0.085640	0.004081	0.142123	0.036811	0.011777
216.0	0.006653	0.062989	0.004358	0.112425	0.024363	0.011937
240.0	0.006771	0.046328	0.004575	0.087913	0.016124	0.012056
264.0	0.006858	0.034075	0.004745	0.068118	0.010671	0.012143

SATURATED PROMETHIUM 0.007100
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG C	3.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000192	0.974725	0.000002	0.024813	0.963819	0.005477
4.0	0.000380	0.950089	0.000010	0.048101	0.928946	0.005664
6.0	0.000562	0.926075	0.000021	0.069936	0.895335	0.005847
8.0	0.000740	0.902668	0.000037	0.090384	0.862941	0.006025
12.0	0.001083	0.857615	0.000079	0.127381	0.801626	0.006368
16.0	0.001409	0.814810	0.000135	0.159583	0.744667	0.006693
20.0	0.001718	0.774142	0.000203	0.187437	0.691755	0.007003
24.0	0.002012	0.735503	0.000281	0.211356	0.642604	0.007297
30.0	0.002426	0.681131	0.000413	0.240673	0.575346	0.007710
36.0	0.002809	0.630779	0.000561	0.263118	0.515127	0.008093
42.0	0.003164	0.584149	0.000720	0.279693	0.461212	0.008448
48.0	0.003492	0.540965	0.000887	0.291271	0.412939	0.008777
60.0	0.004078	0.463940	0.001235	0.302400	0.331023	0.009363
72.0	0.004581	0.397882	0.001589	0.301508	0.265356	0.009865
84.0	0.005011	0.341230	0.001936	0.292380	0.212716	0.010296
96.0	0.005381	0.292644	0.002270	0.277845	0.170519	0.010666
120.0	0.005970	0.215240	0.002877	0.240396	0.109576	0.011254
144.0	0.006403	0.158310	0.003391	0.199972	0.070414	0.011688
168.0	0.006722	0.116438	0.003813	0.161962	0.045248	0.012006
192.0	0.006956	0.085640	0.004152	0.128687	0.029077	0.012240
216.0	0.007128	0.062989	0.004419	0.100796	0.018685	0.012413
240.0	0.007255	0.046328	0.004627	0.078085	0.012007	0.012539
264.0	0.007348	0.034075	0.004788	0.059969	0.007716	0.012633

SATURATED PROMETHIUM 0.007607
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	3.20 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000205	0.974725	0.000003	0.024783	0.961453	0.005490
4.0	0.000405	0.950089	0.000010	0.047984	0.924393	0.005690
6.0	0.000600	0.926075	0.000022	0.069680	0.888761	0.005884
8.0	0.000790	0.902668	0.000039	0.089945	0.854502	0.006074
12.0	0.001155	0.857615	0.000084	0.126458	0.789896	0.006440
16.0	0.001503	0.814810	0.000143	0.158048	0.730174	0.006787
20.0	0.001833	0.774142	0.000215	0.185196	0.674967	0.007117
24.0	0.002146	0.735503	0.000297	0.208340	0.623935	0.007431
30.0	0.002587	0.681131	0.000436	0.236414	0.554529	0.007872
36.0	0.002996	0.630779	0.000590	0.257577	0.492843	0.008281
42.0	0.003374	0.584149	0.000756	0.272877	0.438020	0.008659
48.0	0.003725	0.540965	0.000929	0.283226	0.389295	0.009009
60.0	0.004350	0.463940	0.001289	0.292128	0.307502	0.009634
72.0	0.004886	0.397882	0.001652	0.289419	0.242895	0.010170
84.0	0.005346	0.341230	0.002007	0.278926	0.191861	0.010630
96.0	0.005740	0.292644	0.002346	0.263473	0.151550	0.011024
120.0	0.006368	0.215240	0.002956	0.225360	0.094558	0.011652
144.0	0.006830	0.158310	0.003468	0.185453	0.058998	0.012114
168.0	0.007170	0.116438	0.003883	0.148693	0.036811	0.012454
192.0	0.007420	0.085640	0.004214	0.117033	0.022968	0.012704
216.0	0.007603	0.062989	0.004472	0.090863	0.014330	0.012888
240.0	0.007739	0.046328	0.004671	0.069816	0.008941	0.013023
264.0	0.007838	0.034075	0.004823	0.053213	0.005579	0.013123

SATURATED PROMETHIUM 0.008114
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	3.40 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000218	0.974725	0.000003	0.024752	0.959094	0.005502
4.0	0.000430	0.950089	0.000011	0.047867	0.919862	0.005715
6.0	0.000637	0.926075	0.000024	0.069425	0.882234	0.005922
8.0	0.000839	0.902668	0.000041	0.089508	0.846146	0.006124
12.0	0.001228	0.857615	0.000089	0.125543	0.778337	0.006512
16.0	0.001597	0.814810	0.000151	0.156533	0.715963	0.006881
20.0	0.001947	0.774142	0.000227	0.182991	0.658587	0.007232
24.0	0.002280	0.735503	0.000312	0.205382	0.605809	0.007565
30.0	0.002749	0.681131	0.000458	0.232258	0.534465	0.008034
36.0	0.003183	0.630779	0.000618	0.252193	0.471523	0.008468
42.0	0.003585	0.584149	0.000790	0.266286	0.415994	0.008870
48.0	0.003958	0.540965	0.000970	0.275481	0.367004	0.009242
60.0	0.004622	0.463940	0.001341	0.282332	0.285653	0.009906
72.0	0.005191	0.397882	0.001713	0.277993	0.222334	0.010476
84.0	0.005680	0.341230	0.002074	0.266324	0.173051	0.010964
96.0	0.006099	0.292644	0.002416	0.250129	0.134692	0.011383
120.0	0.006766	0.215240	0.003029	0.211634	0.081598	0.012050
144.0	0.007257	0.158310	0.003537	0.172416	0.049433	0.012541
168.0	0.007618	0.116438	0.003945	0.136965	0.029947	0.012902
192.0	0.007883	0.085640	0.004267	0.106889	0.018142	0.013168
216.0	0.008079	0.062989	0.004517	0.082343	0.010991	0.013363
240.0	0.008222	0.046328	0.004708	0.062821	0.006658	0.013507
264.0	0.008328	0.034075	0.004853	0.047572	0.004034	0.013612

SATURATED PROMETHIUM 0.008622
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	3.60 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000231	0.974725	0.000003	0.024722	0.956741	0.005515
4.0	0.000456	0.950089	0.000011	0.047750	0.915353	0.005740
6.0	0.000675	0.926075	0.000025	0.069172	0.875756	0.005959
8.0	0.000889	0.902668	0.000044	0.089074	0.837871	0.006173
12.0	0.001300	0.857615	0.000094	0.124637	0.766948	0.006584
16.0	0.001691	0.814810	0.000159	0.155038	0.702028	0.006975
20.0	0.002062	0.774142	0.000238	0.180821	0.642604	0.007346
24.0	0.002415	0.735503	0.000328	0.202480	0.588209	0.007699
30.0	0.002911	0.681131	0.000479	0.228200	0.515127	0.008195
36.0	0.003371	0.630779	0.000646	0.246963	0.451126	0.008655
42.0	0.003796	0.584149	0.000824	0.259911	0.395076	0.009081
48.0	0.004190	0.540965	0.001009	0.268026	0.345990	0.009475
60.0	0.004894	0.463940	0.001390	0.272986	0.265356	0.010178
72.0	0.005497	0.397882	0.001770	0.267190	0.203514	0.010781
84.0	0.006014	0.341230	0.002136	0.254512	0.156085	0.011298
96.0	0.006457	0.292644	0.002482	0.237727	0.119709	0.011742
120.0	0.007164	0.215240	0.003095	0.199088	0.070414	0.012448
144.0	0.007684	0.158310	0.003599	0.160687	0.041418	0.012968
168.0	0.008066	0.116438	0.004000	0.126572	0.024363	0.013350
192.0	0.008347	0.085640	0.004314	0.098027	0.014330	0.013632
216.0	0.008554	0.062989	0.004555	0.075001	0.008429	0.013838
240.0	0.008706	0.046328	0.004739	0.056870	0.004958	0.013990
264.0	0.008818	0.034075	0.004878	0.042832	0.002916	0.014102

SATURATED PROMETHIUM 0.009129
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	3.80 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000244	0.974725	0.000003	0.024692	0.954393	0.005528
4.0	0.000481	0.950089	0.000012	0.047633	0.910866	0.005765
6.0	0.000712	0.926075	0.000026	0.068920	0.869325	0.005997
8.0	0.000938	0.902668	0.000046	0.088644	0.829678	0.006222
12.0	0.001372	0.857615	0.000099	0.123740	0.755725	0.006657
16.0	0.001784	0.814810	0.000167	0.153561	0.688365	0.007069
20.0	0.002176	0.774142	0.000249	0.178686	0.627008	0.007461
24.0	0.002549	0.735503	0.000343	0.199634	0.571121	0.007833
30.0	0.003073	0.681131	0.000500	0.224238	0.496489	0.008357
36.0	0.003558	0.630779	0.000673	0.241880	0.431610	0.008842
42.0	0.004007	0.584149	0.000857	0.253745	0.375210	0.009292
48.0	0.004423	0.540965	0.001047	0.260847	0.326179	0.009708
60.0	0.005165	0.463940	0.001437	0.264067	0.246502	0.010450
72.0	0.005802	0.397882	0.001824	0.256970	0.186288	0.011087
84.0	0.006348	0.341230	0.002195	0.243433	0.140782	0.011632
96.0	0.006816	0.292644	0.002543	0.226192	0.106393	0.012101
120.0	0.007562	0.215240	0.003156	0.187604	0.060763	0.012846
144.0	0.008110	0.158310	0.003655	0.150114	0.034703	0.013395
168.0	0.008514	0.116438	0.004049	0.117337	0.019820	0.013799
192.0	0.008811	0.085640	0.004355	0.090259	0.011319	0.014095
216.0	0.009029	0.062989	0.004589	0.068645	0.006465	0.014314
240.0	0.009190	0.046328	0.004766	0.051779	0.003692	0.014474
264.0	0.009308	0.034075	0.004899	0.038821	0.002109	0.014592

SATURATED PROMETHIUM 0.009636
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	4.00 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000256	0.974725	0.000003	0.024662	0.952051	0.005541
4.0	0.000506	0.950089	0.000013	0.047517	0.906402	0.005791
6.0	0.000750	0.926075	0.000028	0.068670	0.862941	0.006034
8.0	0.000987	0.902668	0.000048	0.088216	0.821564	0.006272
12.0	0.001444	0.857615	0.000103	0.122851	0.744667	0.006729
16.0	0.001878	0.814810	0.000175	0.152104	0.674967	0.007163
20.0	0.002291	0.774142	0.000260	0.176585	0.611792	0.007575
24.0	0.002683	0.735503	0.000358	0.196842	0.554529	0.007967
30.0	0.003234	0.681131	0.000521	0.220370	0.478526	0.008519
36.0	0.003745	0.630779	0.000699	0.236939	0.412939	0.009030
42.0	0.004218	0.584149	0.000888	0.247780	0.356342	0.009503
48.0	0.004656	0.540965	0.001084	0.253933	0.307502	0.009941
60.0	0.005437	0.463940	0.001482	0.255554	0.228987	0.010722
72.0	0.006107	0.397882	0.001875	0.247298	0.170519	0.011392
84.0	0.006682	0.341230	0.002250	0.233035	0.126980	0.011967
96.0	0.007175	0.292644	0.002599	0.215454	0.094558	0.012459
120.0	0.007960	0.215240	0.003211	0.177080	0.052435	0.013244
144.0	0.008537	0.158310	0.003705	0.140564	0.029077	0.013822
168.0	0.008962	0.116438	0.004093	0.109109	0.016124	0.014247
192.0	0.009274	0.085640	0.004391	0.083424	0.008941	0.014559
216.0	0.009504	0.062989	0.004618	0.063119	0.004958	0.014789
240.0	0.009673	0.046328	0.004789	0.047400	0.002749	0.014958
264.0	0.009797	0.034075	0.004917	0.035404	0.001525	0.015082

SATURATED PROMETHIUM 0.010143
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	4.20 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000269	0.974725	0.000003	0.024631	0.949715	0.005554
4.0	0.000532	0.950089	0.000013	0.047402	0.901959	0.005816
6.0	0.000787	0.926075	0.000029	0.068420	0.856604	0.006072
8.0	0.001037	0.902668	0.000050	0.087790	0.813530	0.006321
12.0	0.001516	0.857615	0.000108	0.121971	0.733770	0.006801
16.0	0.001972	0.814810	0.000182	0.150666	0.661831	0.007257
20.0	0.002405	0.774142	0.000271	0.174518	0.596944	0.007690
24.0	0.002817	0.735503	0.000372	0.194103	0.538419	0.008102
30.0	0.003396	0.681131	0.000540	0.216593	0.461212	0.008681
36.0	0.003932	0.630779	0.000724	0.232138	0.395076	0.009217
42.0	0.004429	0.584149	0.000919	0.242008	0.338424	0.009713
48.0	0.004889	0.540965	0.001119	0.247273	0.289895	0.010173
60.0	0.005709	0.463940	0.001525	0.247423	0.212716	0.010994
72.0	0.006413	0.397882	0.001923	0.238139	0.156085	0.011697
84.0	0.007016	0.341230	0.002301	0.223270	0.114531	0.012301
96.0	0.007534	0.292644	0.002652	0.205449	0.084039	0.012818
120.0	0.008358	0.215240	0.003262	0.167421	0.045248	0.013642
144.0	0.008964	0.158310	0.003751	0.131921	0.024363	0.014249
168.0	0.009410	0.116438	0.004131	0.101757	0.013117	0.014695
192.0	0.009738	0.085640	0.004423	0.077389	0.007063	0.015023
216.0	0.009979	0.062989	0.004644	0.058291	0.003803	0.015264
240.0	0.010157	0.046328	0.004809	0.043611	0.002047	0.015441
264.0	0.010287	0.034075	0.004933	0.032474	0.001102	0.015572

SATURATED PROMETHIUM 0.010650
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	4.40 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000282	0.974725	0.000004	0.024601	0.947385	0.005567
4.0	0.000557	0.950089	0.000014	0.047286	0.897538	0.005841
6.0	0.000825	0.926075	0.000030	0.068172	0.850314	0.006109
8.0	0.001086	0.902668	0.000053	0.087368	0.805574	0.006371
12.0	0.001589	0.857615	0.000112	0.121100	0.723033	0.006873
16.0	0.002066	0.814810	0.000190	0.149245	0.648950	0.007351
20.0	0.002520	0.774142	0.000282	0.172483	0.582457	0.007805
24.0	0.002951	0.735503	0.000386	0.191416	0.522777	0.008236
30.0	0.003558	0.681131	0.000560	0.212905	0.444525	0.008842
36.0	0.004120	0.630779	0.000749	0.227470	0.377985	0.009404
42.0	0.004640	0.584149	0.000948	0.236422	0.321406	0.009924
48.0	0.005122	0.540965	0.001153	0.240855	0.273296	0.010406
60.0	0.005981	0.463940	0.001566	0.239657	0.197602	0.011266
72.0	0.006718	0.397882	0.001969	0.229463	0.142873	0.012003
84.0	0.007350	0.341230	0.002350	0.214093	0.103302	0.012635
96.0	0.007892	0.292644	0.002702	0.196119	0.074691	0.013177
120.0	0.008756	0.215240	0.003309	0.158543	0.039067	0.014040
144.0	0.009391	0.158310	0.003792	0.124083	0.020413	0.014676
168.0	0.009858	0.116438	0.004166	0.095171	0.010671	0.015143
192.0	0.010202	0.085640	0.004451	0.072041	0.005579	0.015486
216.0	0.010455	0.062989	0.004666	0.054054	0.002916	0.015739
240.0	0.010641	0.046328	0.004827	0.040316	0.001525	0.015925
264.0	0.010777	0.034075	0.004946	0.029944	0.000797	0.016062

SATURATED PROMETHIUM 0.011157
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	4.60 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000295	0.974725	0.000004	0.024571	0.945060	0.005579
4.0	0.000582	0.950089	0.000014	0.047172	0.893138	0.005867
6.0	0.000862	0.926075	0.000032	0.067925	0.844069	0.006147
8.0	0.001135	0.902668	0.000055	0.086948	0.797696	0.006420
12.0	0.001661	0.857615	0.000117	0.120237	0.712453	0.006945
16.0	0.002160	0.814810	0.000197	0.147843	0.636319	0.007445
20.0	0.002635	0.774142	0.000293	0.170480	0.568321	0.007919
24.0	0.003085	0.735503	0.000400	0.188780	0.507590	0.008370
30.0	0.003719	0.681131	0.000579	0.209303	0.428441	0.009004
36.0	0.004307	0.630779	0.000773	0.222932	0.361634	0.009591
42.0	0.004851	0.584149	0.000977	0.231015	0.305244	0.010135
48.0	0.005354	0.540965	0.001186	0.234671	0.257647	0.010639
60.0	0.006253	0.463940	0.001606	0.232236	0.183562	0.011537
72.0	0.007023	0.397882	0.002013	0.221240	0.130779	0.012308
84.0	0.007684	0.341230	0.002396	0.205463	0.093174	0.012969
96.0	0.008251	0.292644	0.002748	0.187411	0.066382	0.013536
120.0	0.009154	0.215240	0.003352	0.150373	0.033695	0.014438
144.0	0.009818	0.158310	0.003830	0.116961	0.017103	0.015103
168.0	0.010306	0.116438	0.004198	0.089254	0.008681	0.015591
192.0	0.010666	0.085640	0.004476	0.067286	0.004407	0.015950
216.0	0.010930	0.062989	0.004686	0.050321	0.002237	0.016214
240.0	0.011124	0.046328	0.004842	0.037433	0.001135	0.016409
264.0	0.011267	0.034075	0.004958	0.027747	0.000576	0.016552

SATURATED PROMETHIUM 0.011665
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	4.80 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000308	0.974725	0.000004	0.024541	0.942741	0.005592
4.0	0.000608	0.950089	0.000015	0.047057	0.888761	0.005892
6.0	0.000900	0.926075	0.000033	0.067679	0.837871	0.006184
8.0	0.001185	0.902668	0.000057	0.086531	0.789896	0.006469
12.0	0.001733	0.857615	0.000122	0.119382	0.702028	0.007018
16.0	0.002254	0.814810	0.000205	0.146459	0.623935	0.007539
20.0	0.002749	0.774142	0.000303	0.168510	0.554529	0.008034
24.0	0.003219	0.735503	0.000414	0.186194	0.492843	0.008504
30.0	0.003881	0.681131	0.000598	0.205784	0.412939	0.009166
36.0	0.004494	0.630779	0.000796	0.218519	0.345990	0.009779
42.0	0.005062	0.584149	0.001004	0.225781	0.289895	0.010346
48.0	0.005587	0.540965	0.001217	0.228710	0.242895	0.010872
60.0	0.006525	0.463940	0.001643	0.225143	0.170519	0.011809
72.0	0.007329	0.397882	0.002054	0.213443	0.119709	0.012613
84.0	0.008018	0.341230	0.002438	0.197343	0.084039	0.013303
96.0	0.008610	0.292644	0.002791	0.179277	0.058998	0.013894
120.0	0.009552	0.215240	0.003392	0.142844	0.029077	0.014836
144.0	0.010245	0.158310	0.003864	0.110476	0.014330	0.015929
168.0	0.010754	0.116438	0.004226	0.083924	0.007063	0.016039
192.0	0.011129	0.085640	0.004499	0.063041	0.003481	0.016414
216.0	0.011405	0.062989	0.004703	0.047015	0.001715	0.016690
240.0	0.011608	0.046328	0.004855	0.034899	0.000845	0.016892
264.0	0.011757	0.034075	0.004968	0.025826	0.000417	0.017042

SATURATED PROMETHIUM 0.012172
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	5.00 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000320	0.974725	0.000004	0.024511	0.940428	0.005605
4.0	0.000633	0.950089	0.000016	0.046943	0.884404	0.005917
6.0	0.000937	0.926075	0.000034	0.067434	0.831718	0.006222
8.0	0.001234	0.902668	0.000059	0.086116	0.782171	0.006519
12.0	0.001805	0.857615	0.000126	0.118536	0.691755	0.007090
16.0	0.002348	0.814810	0.000212	0.145092	0.611792	0.007633
20.0	0.002864	0.774142	0.000313	0.166570	0.541071	0.008148
24.0	0.003354	0.735503	0.000427	0.183656	0.478526	0.008638
30.0	0.004043	0.681131	0.000616	0.202348	0.397999	0.009327
36.0	0.004681	0.630779	0.000819	0.214228	0.331023	0.009966
42.0	0.005273	0.584149	0.001031	0.220714	0.275318	0.010557
48.0	0.005820	0.540965	0.001248	0.222963	0.228987	0.011105
60.0	0.006797	0.463940	0.001679	0.218360	0.158403	0.012081
72.0	0.007634	0.397882	0.002093	0.206045	0.109576	0.012919
84.0	0.008352	0.341230	0.002479	0.189696	0.075800	0.013637
96.0	0.008968	0.292644	0.002831	0.171671	0.052435	0.014253
120.0	0.009950	0.215240	0.003429	0.135895	0.025091	0.015234
144.0	0.010672	0.158310	0.003895	0.104559	0.012007	0.015956
168.0	0.011203	0.116438	0.004251	0.079109	0.005746	0.016487
192.0	0.011593	0.085640	0.004519	0.059240	0.002749	0.016878
216.0	0.011880	0.062989	0.004719	0.044076	0.001316	0.017165
240.0	0.012091	0.046328	0.004867	0.032660	0.000630	0.017376
264.0	0.012247	0.034075	0.004977	0.024137	0.000301	0.017531

SATURATED PROMETHIUM 0.012679
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	5.20 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000333	0.974725	0.000004	0.024481	0.938120	0.005618
4.0	0.000658	0.950089	0.000016	0.046829	0.880069	0.005943
6.0	0.000975	0.926075	0.000036	0.067191	0.825611	0.006259
8.0	0.001283	0.902668	0.000061	0.085705	0.774522	0.006568
12.0	0.001877	0.857615	0.000130	0.117697	0.681633	0.007162
16.0	0.002442	0.814810	0.000219	0.143743	0.599884	0.007726
20.0	0.002978	0.774142	0.000323	0.164661	0.527940	0.008263
24.0	0.003488	0.735503	0.000440	0.181165	0.464624	0.008772
30.0	0.004205	0.681131	0.000633	0.198991	0.383598	0.009489
36.0	0.004869	0.630779	0.000841	0.210055	0.316703	0.010153
42.0	0.005483	0.584149	0.001057	0.215806	0.261473	0.010768
48.0	0.006053	0.540965	0.001277	0.217422	0.215875	0.011337
60.0	0.007069	0.463940	0.001713	0.211872	0.147148	0.012353
72.0	0.007940	0.397882	0.002130	0.199023	0.100301	0.013224
84.0	0.008687	0.341230	0.002517	0.182491	0.068368	0.013971
96.0	0.009327	0.292644	0.002868	0.164554	0.046602	0.014612
120.0	0.010348	0.215240	0.003463	0.129472	0.021652	0.015632
144.0	0.011099	0.158310	0.003924	0.099150	0.010060	0.016383
168.0	0.011651	0.116438	0.004274	0.074748	0.004674	0.016935
192.0	0.012057	0.085640	0.004537	0.055824	0.002172	0.017341
216.0	0.012355	0.062989	0.004733	0.041452	0.001009	0.017640
240.0	0.012575	0.046328	0.004878	0.030671	0.000469	0.017860
264.0	0.012737	0.034075	0.004985	0.022644	0.000218	0.018021

SATURATED PROMETHIUM 0.013186
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	5.40 SAMARIUM	E	SHUTDOWN TRANSIENT
	A	B	C	D		
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000346	0.974725	0.000004	0.024452	0.935818	0.005631
4.0	0.000683	0.950089	0.000017	0.046716	0.875756	0.005968
6.0	0.001012	0.926075	0.000037	0.066949	0.819548	0.006297
8.0	0.001333	0.902668	0.000064	0.085296	0.766948	0.006617
12.0	0.001950	0.857615	0.000135	0.116867	0.671659	0.007234
16.0	0.002536	0.814810	0.000226	0.142411	0.588209	0.007820
20.0	0.003093	0.774142	0.000333	0.162782	0.515127	0.008377
24.0	0.003622	0.735503	0.000453	0.178722	0.451126	0.008906
30.0	0.004366	0.681131	0.000651	0.195712	0.369719	0.009651
36.0	0.005056	0.630779	0.000863	0.205996	0.303003	0.010340
42.0	0.005694	0.584149	0.001082	0.211054	0.248325	0.010979
48.0	0.006286	0.540965	0.001305	0.212076	0.203514	0.011570
60.0	0.007340	0.463940	0.001746	0.205664	0.136692	0.012625
72.0	0.008245	0.397882	0.002165	0.192355	0.091811	0.013529
84.0	0.009021	0.341230	0.002553	0.175697	0.061665	0.014305
96.0	0.009686	0.292644	0.002904	0.157887	0.041418	0.014971
120.0	0.010746	0.215240	0.003494	0.123529	0.018685	0.016030
144.0	0.011525	0.158310	0.003950	0.094195	0.008429	0.016810
168.0	0.012099	0.116438	0.004295	0.070787	0.003803	0.017383
192.0	0.012521	0.085640	0.004553	0.052744	0.001715	0.017805
216.0	0.012831	0.062989	0.004745	0.039100	0.000774	0.018115
240.0	0.013059	0.046328	0.004887	0.028896	0.000349	0.018343
264.0	0.013227	0.034075	0.004992	0.021316	0.000157	0.018511

SATURATED PROMETHIUM 0.013693
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG C	5.60 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000359	0.974725	0.000005	0.024422	0.933522	0.005643
4.0	0.000709	0.950089	0.000017	0.046603	0.871463	0.005993
6.0	0.001050	0.926075	0.000038	0.066708	0.813530	0.006334
8.0	0.001382	0.902668	0.000066	0.084889	0.759448	0.006667
12.0	0.002022	0.857615	0.000139	0.116045	0.661831	0.007306
16.0	0.002630	0.814810	0.000233	0.141096	0.576761	0.007914
20.0	0.003207	0.774142	0.000343	0.160932	0.502626	0.008492
24.0	0.003756	0.735503	0.000466	0.176324	0.438020	0.009040
30.0	0.004528	0.681131	0.000668	0.192508	0.356342	0.009813
36.0	0.005243	0.630779	0.000883	0.202048	0.289895	0.010528
42.0	0.005905	0.584149	0.001107	0.206450	0.235838	0.011190
48.0	0.006518	0.540965	0.001332	0.206920	0.191861	0.011803
60.0	0.007612	0.463940	0.001777	0.199722	0.126980	0.012897
72.0	0.008550	0.397882	0.002199	0.186020	0.084039	0.013835
84.0	0.009355	0.341230	0.002587	0.169286	0.055620	0.014639
96.0	0.010045	0.292644	0.002937	0.151636	0.036811	0.015329
120.0	0.011144	0.215240	0.003523	0.118020	0.016124	0.016428
144.0	0.011952	0.158310	0.003974	0.089647	0.007063	0.017237
168.0	0.012547	0.116438	0.004314	0.067181	0.003094	0.017831
192.0	0.012984	0.085640	0.004568	0.049957	0.001355	0.018269
216.0	0.013306	0.062989	0.004756	0.036983	0.000594	0.018590
240.0	0.013542	0.046328	0.004895	0.027306	0.000260	0.018827
264.0	0.013716	0.034075	0.004998	0.020129	0.000114	0.019001

SATURATED PROMETHIUM 0.014200
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG C	5.80 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000372	0.974725	0.000005	0.024392	0.931231	0.005656
4.0	0.000734	0.950089	0.000018	0.046490	0.867191	0.006019
6.0	0.001087	0.926075	0.000039	0.066468	0.807556	0.006372
8.0	0.001432	0.902668	0.000068	0.084486	0.752021	0.006716
12.0	0.002094	0.857615	0.000143	0.115230	0.652146	0.007379
16.0	0.002724	0.814810	0.000240	0.139797	0.565536	0.008008
20.0	0.003322	0.774142	0.000353	0.159112	0.490428	0.008606
24.0	0.003890	0.735503	0.000478	0.173970	0.425295	0.009175
30.0	0.004690	0.681131	0.000684	0.189378	0.343449	0.009974
36.0	0.005430	0.630779	0.000904	0.198206	0.277354	0.010715
42.0	0.006116	0.584149	0.001130	0.201389	0.223979	0.011401
48.0	0.006751	0.540965	0.001359	0.201944	0.180876	0.012036
60.0	0.007884	0.463940	0.001807	0.194033	0.117957	0.013169
72.0	0.008856	0.397882	0.002231	0.179998	0.076925	0.014140
84.0	0.009689	0.341230	0.002619	0.163233	0.050167	0.014973
96.0	0.010403	0.292644	0.002968	0.145772	0.032716	0.015688
120.0	0.011542	0.215240	0.003550	0.112907	0.013914	0.016826
144.0	0.012379	0.158310	0.003996	0.085464	0.005918	0.017664
168.0	0.012995	0.116438	0.004332	0.063889	0.002517	0.018280
192.0	0.013448	0.085640	0.004581	0.047428	0.001070	0.018733
216.0	0.013781	0.062989	0.004766	0.035070	0.000455	0.019066
240.0	0.014026	0.046328	0.004903	0.025873	0.000194	0.019311
264.0	0.014206	0.034075	0.005004	0.019063	0.000082	0.019491

SATURATED PROMETHIUM 0.014708
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG C	6.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000385	0.974725	0.000005	0.024362	0.928946	0.005669
4.0	0.000759	0.950089	0.000019	0.046378	0.862941	0.006044
6.0	0.001125	0.926075	0.000041	0.066229	0.801626	0.006409
8.0	0.001481	0.902668	0.000070	0.084084	0.744667	0.006765
12.0	0.002166	0.857615	0.000148	0.114424	0.642604	0.007451
16.0	0.002818	0.814810	0.000247	0.138515	0.554529	0.008102
20.0	0.003436	0.774142	0.000362	0.157319	0.478526	0.008721
24.0	0.004024	0.735503	0.000491	0.171660	0.412939	0.009309
30.0	0.004851	0.681131	0.000700	0.186319	0.331023	0.010136
36.0	0.005618	0.630779	0.000923	0.194468	0.265356	0.010902
42.0	0.006327	0.584149	0.001153	0.197667	0.212716	0.011612
48.0	0.006984	0.540965	0.001384	0.197142	0.170519	0.012269
60.0	0.008156	0.463940	0.001836	0.188583	0.109576	0.013441
72.0	0.009161	0.397882	0.002261	0.174270	0.070414	0.014446
84.0	0.010023	0.341230	0.002649	0.157514	0.045248	0.015308
96.0	0.010762	0.292644	0.002997	0.140263	0.029077	0.016047
120.0	0.011940	0.215240	0.003576	0.108156	0.012007	0.017224
144.0	0.012806	0.158310	0.004017	0.081610	0.004958	0.018091
168.0	0.013443	0.116438	0.004348	0.060875	0.002047	0.018728
192.0	0.013912	0.085640	0.004594	0.045126	0.000845	0.019196
216.0	0.014256	0.062989	0.004776	0.033335	0.000349	0.019541
240.0	0.014510	0.046328	0.004910	0.024578	0.000144	0.019794
264.0	0.014696	0.034075	0.005009	0.018102	0.000060	0.019981

SATURATED PROMETHIUM 0.015215
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG C	6.20 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000397	0.974725	0.000005	0.024333	0.926667	0.005682
4.0	0.000785	0.950089	0.000019	0.046266	0.858711	0.006069
6.0	0.001162	0.926075	0.000042	0.065991	0.795739	0.006447
8.0	0.001530	0.902668	0.000072	0.083686	0.737385	0.006815
12.0	0.002239	0.857615	0.000152	0.113625	0.633200	0.007523
16.0	0.002912	0.814810	0.000253	0.137249	0.543736	0.008196
20.0	0.003551	0.774142	0.000372	0.155555	0.466912	0.008835
24.0	0.004158	0.735503	0.000503	0.169393	0.400943	0.009443
30.0	0.005013	0.681131	0.000716	0.183330	0.319046	0.010298
36.0	0.005805	0.630779	0.000943	0.190831	0.253877	0.011089
42.0	0.006538	0.584149	0.001175	0.193478	0.202020	0.011822
48.0	0.007217	0.540965	0.001408	0.192506	0.160755	0.012501
60.0	0.008428	0.463940	0.001864	0.183362	0.101790	0.013712
72.0	0.009466	0.397882	0.002290	0.168820	0.064454	0.014751
84.0	0.010357	0.341230	0.002677	0.152106	0.040812	0.015642
96.0	0.011121	0.292644	0.003024	0.135086	0.025842	0.016405
120.0	0.012338	0.215240	0.003599	0.103733	0.010361	0.017622
144.0	0.013233	0.158310	0.004035	0.078051	0.004154	0.018517
168.0	0.013891	0.116438	0.004362	0.058111	0.001666	0.019176
192.0	0.014375	0.085640	0.004605	0.043023	0.000668	0.019660
216.0	0.014732	0.062989	0.004784	0.031757	0.000268	0.020016
240.0	0.014993	0.046328	0.004916	0.023402	0.000107	0.020278
264.0	0.015186	0.034075	0.005013	0.017231	0.000043	0.020471

SATURATED PROMETHIUM 0.015722
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	6.40 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000410	0.974725	0.000005	0.024303	0.924393	0.005695
4.0	0.000810	0.950089	0.000020	0.046154	0.854502	0.006095
6.0	0.001200	0.926075	0.000043	0.065755	0.789896	0.006484
8.0	0.001580	0.902668	0.000074	0.083290	0.730174	0.006864
12.0	0.002311	0.857615	0.000156	0.112833	0.623935	0.007595
16.0	0.003005	0.814810	0.000260	0.135999	0.533154	0.008290
20.0	0.003665	0.774142	0.000381	0.153818	0.455581	0.008950
24.0	0.004293	0.735503	0.000514	0.167168	0.389295	0.009577
30.0	0.005175	0.681131	0.000732	0.180408	0.307502	0.010459
36.0	0.005992	0.630779	0.000961	0.187291	0.242895	0.011277
42.0	0.006749	0.584149	0.001197	0.189417	0.191861	0.012033
48.0	0.007450	0.540965	0.001432	0.188030	0.012734	0.012734
60.0	0.008700	0.463940	0.001890	0.178357	0.094558	0.013984
72.0	0.009772	0.397882	0.002317	0.163631	0.058998	0.015056
84.0	0.010691	0.341230	0.002705	0.146990	0.036811	0.015976
96.0	0.011480	0.292644	0.003050	0.130214	0.022968	0.016764
120.0	0.012736	0.215240	0.003621	0.099612	0.008941	0.018020
144.0	0.013660	0.158310	0.004053	0.074760	0.003481	0.018944
168.0	0.014339	0.116438	0.004376	0.055568	0.001355	0.019624
192.0	0.014839	0.085640	0.004615	0.041097	0.000528	0.020124
216.0	0.015207	0.062989	0.004791	0.030315	0.000205	0.020491
240.0	0.015477	0.046328	0.004922	0.022331	0.000080	0.020762
264.0	0.015676	0.034075	0.005018	0.016438	0.000031	0.020961

SATURATED PROMETHIUM 0.016229
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	6.60 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000423	0.974725	0.000005	0.024273	0.922125	0.005708
4.0	0.000835	0.950089	0.000020	0.046043	0.850314	0.006120
6.0	0.001237	0.926075	0.000044	0.065519	0.784095	0.006522
8.0	0.001629	0.902668	0.000076	0.082896	0.723033	0.006914
12.0	0.002383	0.857615	0.000160	0.112049	0.614805	0.007668
16.0	0.003099	0.814810	0.000266	0.134764	0.522777	0.008384
20.0	0.003780	0.774142	0.000390	0.152108	0.444525	0.009065
24.0	0.004427	0.735503	0.000526	0.164984	0.377985	0.009711
30.0	0.005337	0.681131	0.000747	0.177553	0.296376	0.010621
36.0	0.006179	0.630779	0.000980	0.183845	0.232387	0.011464
42.0	0.006960	0.584149	0.001217	0.185480	0.182214	0.012244
48.0	0.007682	0.540965	0.001455	0.183707	0.142873	0.012967
60.0	0.008972	0.463940	0.001916	0.173559	0.087839	0.014256
72.0	0.010077	0.397882	0.002343	0.158689	0.054004	0.015362
84.0	0.011025	0.341230	0.002730	0.142145	0.033202	0.016310
96.0	0.011838	0.292644	0.003074	0.125626	0.020413	0.017123
120.0	0.013134	0.215240	0.003641	0.095766	0.007716	0.018418
144.0	0.014087	0.158310	0.004069	0.071709	0.002916	0.019371
168.0	0.014787	0.116438	0.004388	0.053224	0.001102	0.020072
192.0	0.015303	0.085640	0.004624	0.039328	0.000417	0.020587
216.0	0.015682	0.062989	0.004798	0.028995	0.000157	0.020967
240.0	0.015961	0.046328	0.004927	0.021352	0.000060	0.021245
264.0	0.016166	0.034075	0.005021	0.015714	0.000023	0.021450

SATURATED PROMETHIUM 0.016736
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	6.80 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000436	0.974725	0.000005	0.024244	0.919862	0.005720
4.0	0.000861	0.950089	0.000021	0.045932	0.846146	0.006145
6.0	0.001275	0.926075	0.000046	0.065285	0.778337	0.006559
8.0	0.001678	0.902668	0.000078	0.082505	0.715963	0.006963
12.0	0.002455	0.857615	0.000164	0.111273	0.605809	0.007740
16.0	0.003193	0.814810	0.000273	0.133545	0.512602	0.008478
20.0	0.003895	0.774142	0.000399	0.150425	0.433736	0.009179
24.0	0.004561	0.735503	0.000537	0.162839	0.367004	0.009845
30.0	0.005498	0.681131	0.000762	0.174761	0.285653	0.010783
36.0	0.006367	0.630779	0.000997	0.180491	0.222334	0.011651
42.0	0.007171	0.584149	0.001238	0.181663	0.173051	0.012455
48.0	0.007915	0.540965	0.001477	0.179532	0.134692	0.013200
60.0	0.009243	0.463940	0.001940	0.168957	0.081598	0.014528
72.0	0.010382	0.397882	0.002368	0.153979	0.049433	0.015667
84.0	0.011359	0.341230	0.002754	0.137555	0.029947	0.016644
96.0	0.012197	0.292644	0.003097	0.121302	0.018142	0.017482
120.0	0.013532	0.215240	0.003660	0.092172	0.006658	0.018816
144.0	0.014514	0.158310	0.004084	0.068877	0.002444	0.019798
168.0	0.015236	0.116438	0.004399	0.051057	0.000897	0.020520
192.0	0.015767	0.085640	0.004633	0.037699	0.000329	0.021051
216.0	0.016157	0.062989	0.004805	0.027781	0.000121	0.021442
240.0	0.016444	0.046328	0.004932	0.020453	0.000044	0.021729
264.0	0.016656	0.034075	0.005025	0.015050	0.000016	0.021940

SATURATED PROMETHIUM 0.017243
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	7.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000449	0.974725	0.000006	0.024214	0.917605	0.005733
4.0	0.000886	0.950089	0.000022	0.045822	0.841998	0.006170
6.0	0.001312	0.926075	0.000047	0.065052	0.772622	0.006597
8.0	0.001728	0.902668	0.000080	0.082117	0.708961	0.007012
12.0	0.002527	0.857615	0.000168	0.110504	0.596944	0.007812
16.0	0.003287	0.814810	0.000279	0.132341	0.502626	0.008572
20.0	0.004009	0.774142	0.000407	0.148767	0.423210	0.009294
24.0	0.004695	0.735503	0.000548	0.160734	0.356342	0.009979
30.0	0.005660	0.681131	0.000776	0.172033	0.275318	0.010945
36.0	0.006554	0.630779	0.001015	0.177225	0.212716	0.011838
42.0	0.007382	0.584149	0.001257	0.177962	0.164349	0.012666
48.0	0.008148	0.540965	0.001498	0.175497	0.126980	0.013433
60.0	0.009515	0.463940	0.001963	0.164541	0.075800	0.014800
72.0	0.010688	0.397882	0.002392	0.149489	0.045248	0.015972
84.0	0.011693	0.341230	0.002777	0.133204	0.027011	0.016978
96.0	0.012556	0.292644	0.003119	0.117222	0.016124	0.017840
120.0	0.013930	0.215240	0.003678	0.088809	0.005746	0.019214
144.0	0.014940	0.158310	0.004098	0.066243	0.002047	0.020225
168.0	0.015684	0.116438	0.004410	0.049051	0.000730	0.020968
192.0	0.016230	0.085640	0.004641	0.036194	0.000260	0.021515
216.0	0.016632	0.062989	0.004811	0.026663	0.000093	0.021917
240.0	0.016928	0.046328	0.004936	0.019626	0.000033	0.022213
264.0	0.017146	0.034075	0.005028	0.014440	0.000012	0.022430

SATURATED PROMETHIUM 0.017750
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	7.20 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000461	0.974725	0.000006	0.024185	0.915353	0.005746
4.0	0.000911	0.950089	0.000022	0.045712	0.837871	0.006196
6.0	0.001350	0.926075	0.000048	0.064820	0.766948	0.006634
8.0	0.001777	0.902668	0.000082	0.081731	0.702028	0.007062
12.0	0.002600	0.857615	0.000172	0.109742	0.588209	0.007884
16.0	0.003381	0.814810	0.000286	0.131153	0.492843	0.008666
20.0	0.004124	0.774142	0.000416	0.147135	0.412939	0.009408
24.0	0.004829	0.735503	0.000559	0.158668	0.345990	0.010114
30.0	0.005822	0.681131	0.000790	0.169365	0.265356	0.011106
36.0	0.006741	0.630779	0.001031	0.174045	0.203514	0.012026
42.0	0.007592	0.584149	0.001276	0.174371	0.156085	0.012877
48.0	0.008381	0.540965	0.001519	0.171598	0.119709	0.013665
60.0	0.009787	0.463940	0.001986	0.160302	0.070414	0.015072
72.0	0.010993	0.397882	0.002415	0.145205	0.041418	0.016278
84.0	0.012028	0.341230	0.002799	0.129075	0.024363	0.017312
96.0	0.012915	0.292644	0.003139	0.113370	0.014330	0.018199
120.0	0.014328	0.215240	0.003694	0.085658	0.004958	0.019612
144.0	0.015367	0.158310	0.004111	0.063789	0.001715	0.020652
168.0	0.016132	0.116438	0.004420	0.047189	0.000594	0.021416
192.0	0.016694	0.085640	0.004648	0.034802	0.000205	0.021979
216.0	0.017108	0.062989	0.004816	0.025629	0.000071	0.022392
240.0	0.017412	0.046328	0.004940	0.018862	0.000025	0.022696
264.0	0.017635	0.034075	0.005031	0.013877	0.000009	0.022920

SATURATED PROMETHIUM 0.018258
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	7.40 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000474	0.974725	0.000006	0.024156	0.913107	0.005759
4.0	0.000937	0.950089	0.000023	0.045602	0.833764	0.006221
6.0	0.001387	0.926075	0.000049	0.064589	0.761316	0.006672
8.0	0.001826	0.902668	0.000084	0.081347	0.695163	0.007111
12.0	0.002672	0.857615	0.000176	0.108988	0.579602	0.007956
16.0	0.003475	0.814810	0.000292	0.129979	0.483251	0.008760
20.0	0.004238	0.774142	0.000425	0.145528	0.402918	0.009523
24.0	0.004963	0.735503	0.000570	0.156639	0.335938	0.010248
30.0	0.005983	0.681131	0.000804	0.166757	0.255755	0.011268
36.0	0.006928	0.630779	0.001048	0.170949	0.194711	0.012213
42.0	0.007803	0.584149	0.001295	0.170888	0.148236	0.013088
48.0	0.008614	0.540965	0.001539	0.167829	0.112855	0.013898
60.0	0.010059	0.463940	0.002007	0.156233	0.065411	0.015344
72.0	0.011299	0.397882	0.002436	0.141116	0.037912	0.016583
84.0	0.012362	0.341230	0.002820	0.125156	0.021974	0.017646
96.0	0.013273	0.292644	0.003158	0.109730	0.012736	0.018558
120.0	0.014726	0.215240	0.003710	0.082702	0.004279	0.020010
144.0	0.015794	0.158310	0.004123	0.061498	0.001437	0.021079
168.0	0.016580	0.116438	0.004429	0.045457	0.000483	0.021764
192.0	0.017158	0.085640	0.004655	0.033509	0.000162	0.022442
216.0	0.017583	0.062989	0.004821	0.024672	0.000054	0.022867
240.0	0.017895	0.046328	0.004944	0.018155	0.000018	0.023180
264.0	0.018125	0.034075	0.005034	0.013356	0.000006	0.023410

SATURATED PROMETHIUM 0.018765
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	7.60 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000487	0.974725	0.000006	0.024126	0.910866	0.005772
4.0	0.000962	0.950089	0.000023	0.045492	0.829678	0.006246
6.0	0.001425	0.926075	0.000051	0.064360	0.755725	0.006709
8.0	0.001876	0.902668	0.000086	0.080966	0.688365	0.007160
12.0	0.002744	0.857615	0.000180	0.108240	0.571121	0.008029
16.0	0.003569	0.814810	0.000298	0.128819	0.473846	0.008854
20.0	0.004353	0.774142	0.000433	0.143946	0.393139	0.009637
24.0	0.005097	0.735503	0.000581	0.154647	0.326179	0.010382
30.0	0.006145	0.681131	0.000817	0.164207	0.246502	0.011430
36.0	0.007116	0.630779	0.001064	0.167933	0.186288	0.012400
42.0	0.008014	0.584149	0.001312	0.167508	0.140782	0.013299
48.0	0.008846	0.540965	0.001558	0.164185	0.106393	0.014131
60.0	0.010331	0.463940	0.002028	0.152324	0.060763	0.015615
72.0	0.011604	0.397882	0.002457	0.137212	0.034703	0.016889
84.0	0.012696	0.341230	0.002840	0.121432	0.019820	0.017980
96.0	0.013632	0.292644	0.003176	0.106287	0.011319	0.018917
120.0	0.015124	0.215240	0.003725	0.079925	0.003692	0.020408
144.0	0.016221	0.158310	0.004134	0.059356	0.001204	0.021506
168.0	0.017028	0.116438	0.004438	0.043843	0.000393	0.022312
192.0	0.017621	0.085640	0.004661	0.032307	0.000128	0.022906
216.0	0.018058	0.062989	0.004826	0.023782	0.000042	0.023343
240.0	0.018379	0.046328	0.004947	0.017498	0.000014	0.023664
264.0	0.018615	0.034075	0.005036	0.012872	0.000004	0.023900

SATURATED PROMETHIUM 0.019272
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	7.80 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000500	0.974725	0.000006	0.024097	0.908631	0.005784
4.0	0.000987	0.950089	0.000024	0.045383	0.825611	0.006272
6.0	0.001462	0.926075	0.000052	0.064131	0.750176	0.006747
8.0	0.001925	0.902668	0.000088	0.080587	0.681633	0.007210
12.0	0.002816	0.857615	0.000184	0.107500	0.562764	0.008101
16.0	0.003663	0.814810	0.000304	0.127674	0.464624	0.008947
20.0	0.004467	0.774142	0.000441	0.142388	0.383598	0.009752
24.0	0.005231	0.735503	0.000591	0.152690	0.316703	0.010516
30.0	0.006307	0.681131	0.000830	0.161713	0.237583	0.011591
36.0	0.007303	0.630779	0.001079	0.164995	0.178229	0.012587
42.0	0.008225	0.584149	0.001330	0.164228	0.133703	0.013510
48.0	0.009079	0.540965	0.001577	0.160662	0.100301	0.014364
60.0	0.010603	0.463940	0.002048	0.148568	0.056446	0.015887
72.0	0.011909	0.397882	0.002477	0.133482	0.031766	0.017194
84.0	0.013030	0.341230	0.002858	0.117891	0.017876	0.018314
96.0	0.013991	0.292644	0.003194	0.103027	0.010060	0.019275
120.0	0.015522	0.215240	0.003739	0.077313	0.003186	0.020806
144.0	0.016648	0.158310	0.004145	0.057350	0.001009	0.021932
168.0	0.017476	0.116438	0.004446	0.042335	0.000320	0.022761
192.0	0.018085	0.085640	0.004667	0.031187	0.000101	0.023370
216.0	0.018533	0.062989	0.004830	0.022953	0.000032	0.023818
240.0	0.018863	0.046328	0.004950	0.016887	0.000010	0.024147
264.0	0.019105	0.034075	0.005039	0.012422	0.000003	0.024390

SATURATED PROMETHIUM 0.019779
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	8.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000513	0.974725	0.000006	0.024068	0.906402	0.005797
4.0	0.001013	0.950089	0.000024	0.045275	0.821564	0.006297
6.0	0.001500	0.926075	0.000053	0.063904	0.744667	0.006784
8.0	0.001974	0.902668	0.000090	0.080211	0.674967	0.007259
12.0	0.002888	0.857615	0.000188	0.106766	0.554529	0.008173
16.0	0.003757	0.814810	0.000310	0.126544	0.455581	0.009041
20.0	0.004582	0.774142	0.000449	0.140854	0.374289	0.009866
24.0	0.005366	0.735503	0.000601	0.150769	0.307502	0.010650
30.0	0.006469	0.681131	0.000843	0.159274	0.228987	0.011753
36.0	0.007490	0.630779	0.001094	0.162133	0.170519	0.012775
42.0	0.008436	0.584149	0.001347	0.161044	0.126980	0.013721
48.0	0.009312	0.540965	0.001595	0.157253	0.094558	0.014597
60.0	0.010875	0.463940	0.002067	0.144958	0.052435	0.016159
72.0	0.012215	0.397882	0.002495	0.129917	0.029077	0.017499
84.0	0.013364	0.341230	0.002876	0.114523	0.016124	0.018649
96.0	0.014350	0.292644	0.003210	0.099938	0.008941	0.019634
120.0	0.015920	0.215240	0.003752	0.074853	0.002749	0.021204
144.0	0.017075	0.158310	0.004155	0.055469	0.000845	0.022359
168.0	0.017924	0.116438	0.004453	0.040925	0.000260	0.023209
192.0	0.018549	0.085640	0.004673	0.030140	0.000080	0.023833
216.0	0.019008	0.062989	0.004834	0.022180	0.000025	0.024293
240.0	0.019346	0.046328	0.004953	0.016317	0.000008	0.024631
264.0	0.019595	0.034075	0.005041	0.012002	0.000002	0.024880

SATURATED PROMETHIUM 0.020286
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	8.20 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000526	0.974725	0.000007	0.024039	0.904178	0.005810
4.0	0.001038	0.950089	0.000025	0.045166	0.817537	0.006322
6.0	0.001537	0.926075	0.000054	0.063677	0.739199	0.006822
8.0	0.002024	0.902668	0.000092	0.079837	0.668367	0.007308
12.0	0.002961	0.857615	0.000192	0.106040	0.546415	0.008245
16.0	0.003851	0.814810	0.000316	0.125427	0.446714	0.009135
20.0	0.004696	0.774142	0.000457	0.139343	0.365205	0.009981
24.0	0.005500	0.735503	0.000611	0.148883	0.298569	0.010784
30.0	0.006630	0.681131	0.000856	0.156889	0.220702	0.011915
36.0	0.007677	0.630779	0.001109	0.159345	0.163142	0.012962
42.0	0.008647	0.584149	0.001363	0.157954	0.120595	0.013932
48.0	0.009545	0.540965	0.001612	0.153956	0.089143	0.014829
60.0	0.011147	0.463940	0.002085	0.141488	0.048709	0.016431
72.0	0.012520	0.397882	0.002513	0.126507	0.026615	0.017805
84.0	0.013698	0.341230	0.002893	0.111317	0.014543	0.018983
96.0	0.014708	0.292644	0.003225	0.097009	0.007947	0.019993
120.0	0.016318	0.215240	0.003764	0.072534	0.002373	0.021602
144.0	0.017502	0.158310	0.004164	0.053702	0.000708	0.022786
168.0	0.018372	0.116438	0.004460	0.039603	0.000211	0.023657
192.0	0.019013	0.085640	0.004678	0.029160	0.000063	0.024297
216.0	0.019484	0.062989	0.004838	0.021457	0.000019	0.024768
240.0	0.019830	0.046328	0.004956	0.015784	0.000006	0.025115
264.0	0.020085	0.034075	0.005043	0.011610	0.000002	0.025369

SATURATED PROMETHIUM 0.020793
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	8.40 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000538	0.974725	0.000007	0.024010	0.901959	0.005823
4.0	0.001063	0.950089	0.000026	0.045058	0.813530	0.006348
6.0	0.001575	0.926075	0.000055	0.063452	0.733770	0.006859
8.0	0.002073	0.902668	0.000094	0.079466	0.661831	0.007358
12.0	0.003033	0.857615	0.000196	0.105320	0.538419	0.008317
16.0	0.003945	0.814810	0.000322	0.124324	0.438020	0.009229
20.0	0.004811	0.774142	0.000465	0.137855	0.356342	0.010095
24.0	0.005634	0.735503	0.000621	0.147031	0.289895	0.010918
30.0	0.006792	0.681131	0.000868	0.154556	0.212716	0.012077
36.0	0.007865	0.630779	0.001123	0.156628	0.156085	0.013149
42.0	0.008858	0.584149	0.001379	0.154953	0.114531	0.014142
48.0	0.009778	0.540965	0.001629	0.150765	0.084039	0.015062
60.0	0.011418	0.463940	0.002103	0.138149	0.045248	0.016703
72.0	0.012825	0.397882	0.002531	0.123245	0.024363	0.018110
84.0	0.014032	0.341230	0.002909	0.108262	0.013117	0.019317
96.0	0.015067	0.292644	0.003240	0.094229	0.007063	0.020352
120.0	0.016716	0.215240	0.003775	0.070344	0.002047	0.022000
144.0	0.017928	0.158310	0.004173	0.052039	0.000594	0.023213
168.0	0.018820	0.116438	0.004467	0.038362	0.000172	0.024105
192.0	0.019476	0.085640	0.004683	0.028241	0.000050	0.024761
216.0	0.019959	0.062989	0.004842	0.020779	0.000014	0.025243
240.0	0.020314	0.046328	0.004959	0.015285	0.000004	0.025598
264.0	0.020575	0.034075	0.005045	0.011243	0.000001	0.025859

SATURATED PROMETHIUM 0.021301
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	8.60 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000551	0.974725	0.000007	0.023980	0.899746	0.005836
4.0	0.001088	0.950089	0.000026	0.044951	0.809542	0.006373
6.0	0.001612	0.926075	0.000057	0.063228	0.728382	0.006897
8.0	0.002123	0.902668	0.000096	0.079096	0.655359	0.007407
12.0	0.003105	0.857615	0.000200	0.104607	0.530540	0.008390
16.0	0.004039	0.814810	0.000327	0.123234	0.429495	0.009323
20.0	0.004925	0.774142	0.000473	0.136390	0.347694	0.010210
24.0	0.005768	0.735503	0.000630	0.145211	0.281473	0.011053
30.0	0.006954	0.681131	0.000880	0.152273	0.205020	0.012238
36.0	0.008052	0.630779	0.001137	0.153980	0.149333	0.013336
42.0	0.009069	0.584149	0.001394	0.152039	0.108771	0.014353
48.0	0.010010	0.540965	0.001645	0.147677	0.079227	0.015295
60.0	0.011690	0.463940	0.002120	0.134937	0.042033	0.016975
72.0	0.013131	0.397882	0.002547	0.120121	0.022300	0.018415
84.0	0.014366	0.341230	0.002925	0.105351	0.011831	0.019651
96.0	0.015426	0.292644	0.003254	0.091588	0.006277	0.020710
120.0	0.017114	0.215240	0.003786	0.068275	0.001767	0.022398
144.0	0.018355	0.158310	0.004181	0.050473	0.000497	0.023640
168.0	0.019268	0.116438	0.004473	0.037195	0.000140	0.024553
192.0	0.019940	0.085640	0.004687	0.027377	0.000039	0.025225
216.0	0.020434	0.062989	0.004845	0.020142	0.000011	0.025719
240.0	0.020797	0.046328	0.004961	0.014816	0.000003	0.026082
264.0	0.021065	0.034075	0.005047	0.010898	0.000001	0.026349

SATURATED PROMETHIUM 0.021808
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	8.80 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000564	0.974725	0.000007	0.023951	0.897538	0.005849
4.0	0.001114	0.950089	0.000027	0.044843	0.805574	0.006398
6.0	0.001650	0.926075	0.000058	0.063004	0.723033	0.006934
8.0	0.002172	0.902668	0.000098	0.078730	0.648950	0.007456
12.0	0.003177	0.857615	0.000203	0.103901	0.522777	0.008462
16.0	0.004132	0.814810	0.000333	0.122158	0.421136	0.009417
20.0	0.005040	0.774142	0.000480	0.134946	0.339256	0.010325
24.0	0.005902	0.735503	0.000640	0.143424	0.273296	0.011187
30.0	0.007115	0.681131	0.000892	0.150041	0.197602	0.012400
36.0	0.008239	0.630779	0.001151	0.151399	0.142873	0.013524
42.0	0.009280	0.584149	0.001409	0.149208	0.103302	0.014564
48.0	0.010243	0.540965	0.001661	0.144686	0.074691	0.015528
60.0	0.011962	0.463940	0.002136	0.131846	0.039047	0.017247
72.0	0.013436	0.397882	0.002563	0.117130	0.020413	0.018721
84.0	0.014700	0.341230	0.002939	0.102573	0.010671	0.019985
96.0	0.015785	0.292644	0.003267	0.089077	0.005579	0.021069
120.0	0.017512	0.215240	0.003797	0.066317	0.001525	0.022796
144.0	0.018782	0.158310	0.004189	0.048995	0.000417	0.024067
168.0	0.019717	0.116438	0.004478	0.036096	0.000114	0.025001
192.0	0.020404	0.085640	0.004692	0.026565	0.000031	0.025688
216.0	0.020909	0.062989	0.004848	0.019543	0.000009	0.026194
240.0	0.021281	0.046328	0.004964	0.014375	0.000002	0.026566
264.0	0.021554	0.034075	0.005049	0.010573	0.000001	0.026839

SATURATED PROMETHIUM 0.022315
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	9.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000577	0.974725	0.000007	0.023922	0.895335	0.005861
4.0	0.001139	0.950089	0.000027	0.044736	0.801626	0.006424
6.0	0.001687	0.926075	0.000059	0.062782	0.717724	0.006972
8.0	0.002221	0.902668	0.000100	0.078365	0.642604	0.007506
12.0	0.003250	0.857615	0.000207	0.103202	0.515127	0.008534
16.0	0.004226	0.814810	0.000339	0.121096	0.412939	0.009511
20.0	0.005155	0.774142	0.000488	0.133525	0.331023	0.010439
24.0	0.006036	0.735503	0.000649	0.141669	0.265356	0.011321
30.0	0.007277	0.681131	0.000904	0.147856	0.190453	0.012562
36.0	0.008426	0.630779	0.001164	0.148883	0.136692	0.013711
42.0	0.009491	0.584149	0.001424	0.146459	0.098107	0.014775
48.0	0.010476	0.540965	0.001676	0.141791	0.070414	0.015761
60.0	0.012234	0.463940	0.002152	0.128889	0.036272	0.017519
72.0	0.013742	0.397882	0.002578	0.114263	0.018685	0.019026
84.0	0.015034	0.341230	0.002953	0.099922	0.009625	0.020319
96.0	0.016143	0.292644	0.003280	0.086688	0.004958	0.021428
120.0	0.017910	0.215240	0.003806	0.064462	0.001316	0.023194
144.0	0.019209	0.158310	0.004196	0.047598	0.000349	0.024494
168.0	0.020165	0.116438	0.004484	0.035058	0.000093	0.025449
192.0	0.020868	0.085640	0.004696	0.025799	0.000025	0.026152
216.0	0.021384	0.062989	0.004851	0.018978	0.000007	0.026669
240.0	0.021765	0.046328	0.004966	0.013960	0.000002	0.027049
264.0	0.022044	0.034075	0.005050	0.010268	0.000000	0.027329

SATURATED PROMETHIUM 0.022822
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	9.20 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000590	0.974725	0.000007	0.023893	0.893138	0.005874
4.0	0.001164	0.950089	0.000028	0.044630	0.797696	0.006449
6.0	0.001725	0.926075	0.000060	0.062561	0.712453	0.007009
8.0	0.002271	0.902668	0.000102	0.078003	0.636319	0.007555
12.0	0.003322	0.857615	0.000211	0.102509	0.507590	0.008606
16.0	0.004320	0.814810	0.000344	0.120046	0.404902	0.009605
20.0	0.005269	0.774142	0.000495	0.132125	0.322989	0.010554
24.0	0.006170	0.735503	0.000658	0.139945	0.257647	0.011455
30.0	0.007439	0.681131	0.000915	0.145719	0.183562	0.012723
36.0	0.008614	0.630779	0.001177	0.146430	0.130779	0.013898
42.0	0.009701	0.584149	0.001438	0.143787	0.093174	0.014986
48.0	0.010709	0.540965	0.001691	0.138987	0.066382	0.015993
60.0	0.012506	0.463940	0.002167	0.126002	0.033695	0.017790
72.0	0.014047	0.397882	0.002593	0.111515	0.017103	0.019331
84.0	0.015369	0.341230	0.002967	0.097390	0.008681	0.020653
96.0	0.016502	0.292644	0.003292	0.084413	0.004407	0.021787
120.0	0.018308	0.215240	0.003816	0.062703	0.001135	0.023592
144.0	0.019636	0.158310	0.004203	0.046277	0.000293	0.024920
168.0	0.020613	0.116438	0.004489	0.034078	0.000075	0.025897
192.0	0.021331	0.085640	0.004699	0.025075	0.000019	0.026616
216.0	0.021860	0.062989	0.004854	0.018445	0.000005	0.027144
240.0	0.022248	0.046328	0.004968	0.013567	0.000001	0.027533
264.0	0.022534	0.034075	0.005052	0.009979	0.000000	0.027819

SATURATED PROMETHIUM 0.023329
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	9.40 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000602	0.974725	0.000007	0.023865	0.890947	0.005887
4.0	0.001190	0.950089	0.000028	0.044523	0.793786	0.006474
6.0	0.001762	0.926075	0.000061	0.062341	0.707222	0.007047
8.0	0.002320	0.902668	0.000104	0.077643	0.630097	0.007605
12.0	0.003394	0.857615	0.000214	0.101822	0.500162	0.008678
16.0	0.004414	0.814810	0.000350	0.119009	0.397022	0.009699
20.0	0.005384	0.774142	0.000503	0.130746	0.315151	0.010668
24.0	0.006305	0.735503	0.000667	0.138252	0.250162	0.011589
30.0	0.007601	0.681131	0.000926	0.143627	0.176920	0.012885
36.0	0.008801	0.630779	0.001190	0.144039	0.125122	0.014085
42.0	0.009912	0.584149	0.001451	0.141191	0.088489	0.015197
48.0	0.010942	0.540965	0.001706	0.136270	0.062581	0.016226
60.0	0.012778	0.463940	0.002182	0.123239	0.031301	0.018062
72.0	0.014352	0.397882	0.002607	0.108879	0.015655	0.019637
84.0	0.015703	0.341230	0.002979	0.094970	0.007830	0.020987
96.0	0.016861	0.292644	0.003303	0.082245	0.003916	0.022145
120.0	0.018706	0.215240	0.003825	0.061033	0.000980	0.023990
144.0	0.020063	0.158310	0.004210	0.045025	0.000245	0.025347
168.0	0.021061	0.116438	0.004494	0.033150	0.000061	0.026345
192.0	0.021795	0.085640	0.004703	0.024391	0.000015	0.027080
216.0	0.022335	0.062989	0.004857	0.017942	0.000004	0.027619
240.0	0.022732	0.046328	0.004970	0.013197	0.000001	0.028017
264.0	0.023024	0.034075	0.005053	0.009706	0.000000	0.028309

SATURATED PROMETHIUM 0.023836
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	9.60 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000615	0.974725	0.000008	0.023836	0.888761	0.005900
4.0	0.001215	0.950089	0.000029	0.044417	0.789896	0.006500
6.0	0.001800	0.926075	0.000062	0.062122	0.702028	0.007084
8.0	0.002369	0.902668	0.000106	0.077286	0.623935	0.007654
12.0	0.003466	0.857615	0.000218	0.101142	0.492843	0.008751
16.0	0.004508	0.814810	0.000355	0.117985	0.389295	0.009793
20.0	0.005498	0.774142	0.000510	0.129387	0.307502	0.010783
24.0	0.006439	0.735503	0.000676	0.136588	0.242895	0.011723
30.0	0.007762	0.681131	0.000937	0.141580	0.170519	0.013047
36.0	0.008988	0.630779	0.001202	0.141707	0.119709	0.014273
42.0	0.010123	0.584149	0.001465	0.138668	0.084039	0.015408
48.0	0.011174	0.540965	0.001720	0.133637	0.058998	0.016459
60.0	0.013050	0.463940	0.002196	0.120577	0.029077	0.018334
72.0	0.014658	0.397882	0.002620	0.106349	0.014330	0.019942
84.0	0.016037	0.341230	0.002992	0.092656	0.007063	0.021321
96.0	0.017220	0.292644	0.003314	0.080177	0.003481	0.022504
120.0	0.019104	0.215240	0.003833	0.059446	0.000845	0.024388
144.0	0.020490	0.158310	0.004216	0.043838	0.000205	0.025774
168.0	0.021509	0.116438	0.004499	0.032271	0.000050	0.026794
192.0	0.022259	0.085640	0.004707	0.023742	0.000012	0.027543
216.0	0.022810	0.062989	0.004859	0.017464	0.000003	0.028095
240.0	0.023216	0.046328	0.004972	0.012845	0.000001	0.028500
264.0	0.023514	0.034075	0.005055	0.009448	0.000000	0.028799

SATURATED PROMETHIUM 0.024343
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	9.80 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000628	0.974725	0.000008	0.023807	0.886580	0.005913
4.0	0.001240	0.950089	0.000030	0.044312	0.786024	0.006525
6.0	0.001837	0.926075	0.000064	0.061905	0.696873	0.007122
8.0	0.002419	0.902668	0.000108	0.076930	0.617833	0.007703
12.0	0.003538	0.857615	0.000222	0.100468	0.485632	0.008823
16.0	0.004602	0.814810	0.000360	0.116973	0.381718	0.009887
20.0	0.005613	0.774142	0.000517	0.128049	0.300040	0.010897
24.0	0.006573	0.735503	0.000685	0.134953	0.235838	0.011857
30.0	0.007924	0.681131	0.000947	0.139576	0.164349	0.013209
36.0	0.009175	0.630779	0.001214	0.139432	0.114531	0.014460
42.0	0.010334	0.584149	0.001478	0.136215	0.079813	0.015619
48.0	0.011407	0.540965	0.001733	0.131086	0.055620	0.016692
60.0	0.013321	0.463940	0.002209	0.118009	0.027011	0.018606
72.0	0.014963	0.397882	0.002633	0.103920	0.013117	0.020248
84.0	0.016371	0.341230	0.003003	0.090441	0.006370	0.021655
96.0	0.017578	0.292644	0.003325	0.078204	0.003094	0.022863
120.0	0.019502	0.215240	0.003841	0.057937	0.000730	0.024786
144.0	0.020917	0.158310	0.004222	0.042711	0.000172	0.026201
168.0	0.021957	0.116438	0.004503	0.031437	0.000041	0.027242
192.0	0.022722	0.085640	0.004710	0.023128	0.000010	0.028007
216.0	0.023285	0.062989	0.004862	0.017012	0.000002	0.028570
240.0	0.023699	0.046328	0.004974	0.012513	0.000001	0.028984
264.0	0.024004	0.034075	0.005056	0.009203	0.000000	0.029288

SATURATED PROMETHIUM 0.024851
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	10.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000641	0.974725	0.000008	0.023778	0.884404	0.005925
4.0	0.001266	0.950089	0.000030	0.044207	0.782171	0.006550
6.0	0.001875	0.926075	0.000065	0.061688	0.691755	0.007159
8.0	0.002468	0.902668	0.000110	0.076577	0.611792	0.007753
12.0	0.003611	0.857615	0.000225	0.099800	0.478526	0.008895
16.0	0.004696	0.814810	0.000366	0.115973	0.374289	0.009981
20.0	0.005727	0.774142	0.000524	0.126731	0.292758	0.011012
24.0	0.006707	0.735503	0.000693	0.133347	0.228987	0.011992
30.0	0.008086	0.681131	0.000958	0.137615	0.158403	0.013370
36.0	0.009363	0.630779	0.001226	0.137214	0.109576	0.014647
42.0	0.010545	0.584149	0.001490	0.133830	0.075800	0.015830
48.0	0.011640	0.540965	0.001746	0.128612	0.052435	0.016925
60.0	0.013593	0.463940	0.002222	0.115533	0.025091	0.018878
72.0	0.015268	0.397882	0.002645	0.101587	0.012007	0.020553
84.0	0.016705	0.341230	0.003015	0.088321	0.005746	0.021990
96.0	0.017937	0.292644	0.003335	0.076319	0.002749	0.023222
120.0	0.019900	0.215240	0.003849	0.056499	0.000630	0.025184
144.0	0.021343	0.158310	0.004228	0.041639	0.000144	0.026628
168.0	0.022405	0.116438	0.004507	0.030645	0.000033	0.027690
192.0	0.023186	0.085640	0.004713	0.022544	0.000008	0.028471
216.0	0.023761	0.062989	0.004864	0.016582	0.000002	0.029045
240.0	0.024183	0.046328	0.004975	0.012196	0.000000	0.029468
264.0	0.024494	0.034075	0.005057	0.008971	0.000000	0.029778

SATURATED PROMETHIUM 0.025358
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	10.20 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000654	0.974725	0.000008	0.023749	0.882234	0.005938
4.0	0.001291	0.950089	0.000031	0.044102	0.778337	0.006576
6.0	0.001912	0.926075	0.000066	0.061472	0.686676	0.007197
8.0	0.002517	0.902668	0.000112	0.076226	0.605809	0.007802
12.0	0.003683	0.857615	0.000229	0.099139	0.471523	0.008967
16.0	0.004790	0.814810	0.000371	0.114986	0.367004	0.010074
20.0	0.005842	0.774142	0.000531	0.125432	0.285653	0.011126
24.0	0.006841	0.735503	0.000701	0.131770	0.222334	0.012126
30.0	0.008248	0.681131	0.000968	0.135696	0.152672	0.013532
36.0	0.009550	0.630779	0.001237	0.135050	0.104836	0.014834
42.0	0.010756	0.584149	0.001503	0.131511	0.071988	0.016041
48.0	0.011873	0.540965	0.001759	0.126214	0.049433	0.017157
60.0	0.013865	0.463940	0.002235	0.113144	0.023309	0.019150
72.0	0.015574	0.397882	0.002657	0.099344	0.010991	0.020858
84.0	0.017039	0.341230	0.003025	0.086289	0.005182	0.022324
96.0	0.018296	0.292644	0.003344	0.074516	0.002444	0.023580
120.0	0.020298	0.215240	0.003856	0.055129	0.000543	0.025582
144.0	0.021770	0.158310	0.004233	0.040619	0.000121	0.027055
168.0	0.022853	0.116438	0.004511	0.029891	0.000027	0.028138
192.0	0.023650	0.085640	0.004716	0.021989	0.000006	0.028934
216.0	0.024236	0.062989	0.004866	0.016174	0.000001	0.029520
240.0	0.024667	0.046328	0.004977	0.011896	0.000000	0.029951
264.0	0.024984	0.034075	0.005058	0.008750	0.000000	0.030268

SATURATED PROMETHIUM 0.025865
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	12.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000769	0.974725	0.000009	0.023493	0.862941	0.006054
4.0	0.001519	0.950089	0.000036	0.043172	0.744667	0.006803
6.0	0.002249	0.926075	0.000076	0.059576	0.642604	0.007534
8.0	0.002962	0.902668	0.000128	0.073167	0.554529	0.008246
12.0	0.004333	0.857615	0.000259	0.093455	0.412939	0.009617
16.0	0.005635	0.814810	0.000415	0.106618	0.307502	0.010920
20.0	0.006873	0.774142	0.000588	0.114572	0.228987	0.012157
24.0	0.008048	0.735503	0.000770	0.118740	0.170519	0.013333
30.0	0.009703	0.681131	0.001050	0.120121	0.109576	0.014988
36.0	0.011235	0.630779	0.001329	0.117769	0.070414	0.016520
42.0	0.012654	0.584149	0.001599	0.113258	0.045248	0.017939
48.0	0.013968	0.540965	0.001857	0.107581	0.029077	0.019253
60.0	0.016312	0.463940	0.002331	0.094980	0.012007	0.021597
72.0	0.018322	0.397882	0.002746	0.082579	0.004958	0.023607
84.0	0.020046	0.341230	0.003105	0.071284	0.002047	0.025331
96.0	0.021524	0.292644	0.003414	0.061326	0.000845	0.026809
120.0	0.023880	0.215240	0.003908	0.045206	0.000144	0.029164
144.0	0.025612	0.158310	0.004272	0.033266	0.000025	0.030897
168.0	0.026886	0.116438	0.004540	0.024470	0.000004	0.032171
192.0	0.027823	0.085640	0.004737	0.017998	0.000001	0.033107
216.0	0.028513	0.062989	0.004882	0.013238	0.000000	0.033797
240.0	0.029020	0.046328	0.004988	0.009737	0.000000	0.034304
264.0	0.029392	0.034075	0.005067	0.007161	0.000000	0.034677

SATURATED PROMETHIUM 0.030429
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	14.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.000897	0.974725	0.000011	0.023213	0.841998	0.006182
4.0	0.001772	0.950089	0.000041	0.042171	0.708961	0.007056
6.0	0.002624	0.926075	0.000086	0.057562	0.596944	0.007909
8.0	0.003455	0.902668	0.000145	0.069964	0.502626	0.008740
12.0	0.005055	0.857615	0.000289	0.087668	0.356342	0.010339
16.0	0.006574	0.814810	0.000459	0.098320	0.252633	0.011859
20.0	0.008018	0.774142	0.000644	0.104066	0.179107	0.013303
24.0	0.009390	0.735503	0.000835	0.106425	0.126980	0.014674
30.0	0.011320	0.681131	0.001126	0.105867	0.075800	0.016605
36.0	0.013108	0.630779	0.001410	0.102404	0.045248	0.018392
42.0	0.014763	0.584149	0.001683	0.097438	0.027011	0.020048
48.0	0.016296	0.540965	0.001941	0.091790	0.016124	0.021581
60.0	0.019031	0.463940	0.002409	0.080134	0.005746	0.024315
72.0	0.021376	0.397882	0.002816	0.069228	0.002047	0.026660
84.0	0.023387	0.341230	0.003167	0.059550	0.000730	0.028671
96.0	0.025112	0.292644	0.003468	0.051135	0.000260	0.030396
120.0	0.027860	0.215240	0.003948	0.037638	0.000033	0.033144
144.0	0.029881	0.158310	0.004302	0.027686	0.000004	0.035165
168.0	0.031367	0.116438	0.004562	0.020364	0.000001	0.036652
192.0	0.032461	0.085640	0.004753	0.014978	0.000000	0.037745
216.0	0.033265	0.062989	0.004893	0.011016	0.000000	0.038549
240.0	0.033856	0.046328	0.004997	0.008102	0.000000	0.039141
264.0	0.034291	0.034075	0.005073	0.005959	0.000000	0.039576

SATURATED PROMETHIUM 0.035501
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	16.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.001025	0.974725	0.000012	0.022937	0.821564	0.006310
4.0	0.002025	0.950089	0.000046	0.041201	0.674967	0.007310
6.0	0.002999	0.926075	0.000097	0.055641	0.554529	0.008284
8.0	0.003949	0.902668	0.000161	0.066954	0.455581	0.009234
12.0	0.005777	0.857615	0.000317	0.082382	0.307502	0.011061
16.0	0.007514	0.814810	0.000498	0.090940	0.207554	0.012798
20.0	0.009164	0.774142	0.000692	0.094952	0.140092	0.014448
24.0	0.010731	0.735503	0.000891	0.095985	0.094558	0.016016
30.0	0.012937	0.681131	0.001188	0.094151	0.052435	0.018222
36.0	0.014980	0.630779	0.001475	0.090108	0.029077	0.020265
42.0	0.016872	0.584149	0.001748	0.085065	0.016124	0.022157
48.0	0.018624	0.540965	0.002005	0.079673	0.008941	0.023909
60.0	0.021749	0.463940	0.002468	0.069066	0.002749	0.027034
72.0	0.024429	0.397882	0.002868	0.059458	0.000845	0.029714
84.0	0.026728	0.341230	0.003211	0.051062	0.000260	0.032012
96.0	0.028699	0.292644	0.003507	0.043813	0.000080	0.033984
120.0	0.031840	0.215240	0.003977	0.032232	0.000008	0.037124
144.0	0.034149	0.158310	0.004323	0.023708	0.000001	0.039434
168.0	0.035848	0.116438	0.004577	0.017437	0.000000	0.041133
192.0	0.037098	0.085640	0.004764	0.012825	0.000000	0.042382
216.0	0.038017	0.062989	0.004902	0.009433	0.000000	0.043301
240.0	0.038693	0.046328	0.005003	0.006938	0.000000	0.043977
264.0	0.039190	0.034075	0.005078	0.005103	0.000000	0.044475

SATURATED PROMETHIUM 0.040572
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	18.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.001154	0.974725	0.000014	0.022665	0.801626	0.006438
4.0	0.002278	0.950089	0.000051	0.040261	0.642604	0.007563
6.0	0.003374	0.926075	0.000106	0.053808	0.515127	0.008659
8.0	0.004443	0.902668	0.000175	0.064124	0.412939	0.009727
12.0	0.006499	0.857615	0.000343	0.077549	0.265356	0.011784
16.0	0.008453	0.814810	0.000533	0.084362	0.170519	0.013737
20.0	0.010309	0.774142	0.000734	0.087016	0.109576	0.015594
24.0	0.012073	0.735503	0.000938	0.087085	0.070414	0.017357
30.0	0.014554	0.681131	0.001239	0.084436	0.036272	0.019839
36.0	0.016853	0.630779	0.001528	0.080146	0.018685	0.022137
42.0	0.018981	0.584149	0.001800	0.075226	0.009625	0.024266
48.0	0.020952	0.540965	0.002055	0.070183	0.004958	0.026237
60.0	0.024468	0.463940	0.002513	0.060575	0.001316	0.029752
72.0	0.027483	0.397882	0.002907	0.052052	0.000349	0.032768
84.0	0.030069	0.341230	0.003245	0.044667	0.000093	0.035353
96.0	0.032287	0.292644	0.003536	0.038315	0.000025	0.037571
120.0	0.035820	0.215240	0.003998	0.028183	0.000002	0.041104
144.0	0.038418	0.158310	0.004338	0.020729	0.000000	0.043703
168.0	0.040329	0.116438	0.004589	0.015246	0.000000	0.045614
192.0	0.041735	0.085640	0.004773	0.011213	0.000000	0.047020
216.0	0.042769	0.062989	0.004908	0.008248	0.000000	0.048054
240.0	0.043529	0.046328	0.005008	0.006066	0.000000	0.048814
264.0	0.044089	0.034075	0.005081	0.004462	0.000000	0.049373

SATURATED PROMETHIUM 0.045644
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM A	PROMETHIUM B	MM/KG C	20.00 SAMARIUM D	SHUTDOWN TRANSIENT E
0.0	0.001282	1.000000	0.000015	0.022398	1.000000
2.0	0.001382	0.974725	0.000015	0.022398	0.005285
4.0	0.002331	0.950089	0.000036	0.039251	0.006566
6.0	0.003410	0.926075	0.000116	0.052059	0.007816
8.0	0.004936	0.902668	0.000190	0.061461	0.010221
12.0	0.007321	0.857615	0.000366	0.073122	0.012506
16.0	0.009392	0.814810	0.000564	0.078483	0.014677
20.0	0.011455	0.774142	0.000770	0.080797	0.016739
24.0	0.013414	0.735503	0.000978	0.079455	0.018699
30.0	0.016172	0.681131	0.001282	0.076311	0.021456
36.0	0.018725	0.630779	0.001571	0.071976	0.024010
42.0	0.021900	0.584149	0.001842	0.067280	0.026375
48.0	0.023280	0.540965	0.002095	0.062605	0.028565
54.0	0.027187	0.463940	0.002548	0.053892	0.032471
60.0	0.030357	0.391782	0.002937	0.046265	0.035821
72.0	0.033410	0.341230	0.003272	0.039688	0.038694
84.0	0.035874	0.292644	0.003558	0.034040	0.041159
96.0	0.039800	0.215240	0.004015	0.025037	0.045084
120.0	0.042687	0.158310	0.004351	0.018415	0.047971
144.0	0.044810	0.116438	0.004598	0.013344	0.050095
168.0	0.046372	0.085640	0.004779	0.009962	0.051657
192.0	0.047321	0.062989	0.004913	0.007327	0.052806
216.0	0.048366	0.046328	0.005011	0.005389	0.053691
240.0	0.048987	0.034075	0.005084	0.003964	0.054272

SATURATED PROMETHIUM 0.050716
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM A	PROMETHIUM B	MM/KG C	24.00 SAMARIUM D	SHUTDOWN TRANSIENT E
0.0	0.001538	1.000000	0.000018	0.021876	1.000000
2.0	0.001538	0.974725	0.000018	0.021876	0.005285
4.0	0.003038	0.950089	0.000065	0.037614	0.006823
6.0	0.004499	0.926075	0.000133	0.048794	0.007844
8.0	0.005923	0.902668	0.000215	0.056594	0.009752
12.0	0.008665	0.857615	0.000407	0.065336	0.011208
16.0	0.011270	0.814810	0.000617	0.068489	0.013950
20.0	0.013745	0.774142	0.000831	0.068627	0.016030
24.0	0.016097	0.735503	0.001043	0.067174	0.018381
30.0	0.019406	0.681131	0.001349	0.063627	0.021381
36.0	0.022410	0.630779	0.001637	0.059309	0.024690
42.0	0.025308	0.584149	0.001905	0.055352	0.027755
48.0	0.027936	0.540965	0.002154	0.051360	0.030521
54.0	0.030264	0.496390	0.002400	0.047042	0.033221
60.0	0.032624	0.453782	0.002682	0.042410	0.035908
72.0	0.034644	0.412330	0.002982	0.037832	0.038433
84.0	0.036092	0.371882	0.003310	0.032447	0.041929
96.0	0.037049	0.331230	0.003591	0.027827	0.045333
120.0	0.037759	0.292644	0.003839	0.020647	0.048333
144.0	0.038124	0.252640	0.004036	0.015054	0.051304
168.0	0.038172	0.212640	0.004111	0.011072	0.053807
192.0	0.038567	0.185640	0.004189	0.008144	0.056031
216.0	0.038025	0.162989	0.004190	0.005990	0.058000
240.0	0.038039	0.146328	0.004201	0.004405	0.060000
264.0	0.038785	0.124075	0.004287	0.003324	0.062000

SATURATED PROMETHIUM 0.060859
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM A	PROMETHIUM B	MM/KG C	22.00 SAMARIUM D	SHUTDOWN TRANSIENT E
0.0	0.001410	1.000000	0.000017	0.022135	1.000000
2.0	0.001410	0.974725	0.000017	0.022135	0.005285
4.0	0.002784	0.950089	0.000060	0.038469	0.006695
6.0	0.004124	0.926075	0.000124	0.050389	0.008069
8.0	0.005430	0.902668	0.000203	0.059389	0.009409
12.0	0.007931	0.857615	0.000387	0.069065	0.010714
16.0	0.010343	0.814810	0.000592	0.073218	0.013228
20.0	0.012660	0.774142	0.000803	0.072891	0.015695
24.0	0.014755	0.735503	0.001013	0.072877	0.017885
30.0	0.017789	0.681131	0.001318	0.069457	0.020047
36.0	0.020598	0.630779	0.001607	0.065197	0.023073
42.0	0.023199	0.584149	0.001876	0.060766	0.025882
48.0	0.025608	0.540965	0.002127	0.056447	0.028484
54.0	0.027187	0.463940	0.002376	0.051515	0.030893
60.0	0.028990	0.391782	0.002692	0.046515	0.033100
72.0	0.030359	0.341230	0.002962	0.041628	0.035100
84.0	0.031782	0.292644	0.003233	0.036705	0.036815
96.0	0.033461	0.215240	0.003576	0.030622	0.038002
120.0	0.034779	0.158310	0.004028	0.025223	0.039064
144.0	0.036291	0.116438	0.004360	0.018415	0.040000
168.0	0.037291	0.085640	0.004785	0.012184	0.040000
192.0	0.038101	0.062989	0.004917	0.008991	0.040000
216.0	0.038203	0.046328	0.005014	0.006481	0.040000
240.0	0.038203	0.034075	0.005086	0.004566	0.040000
264.0	0.038203	0.034075	0.005086	0.003566	0.040000

SATURATED PROMETHIUM 0.055287
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM A	PROMETHIUM B	MM/KG C	26.00 SAMARIUM D	SHUTDOWN TRANSIENT E
0.0	0.001666	1.000000	0.000019	0.021622	1.000000
2.0	0.001666	0.974725	0.000019	0.021622	0.005285
4.0	0.003291	0.950089	0.000069	0.036785	0.006595
6.0	0.004874	0.926075	0.000141	0.047270	0.008575
8.0	0.006387	0.902668	0.000227	0.054370	0.010158
12.0	0.009417	0.857615	0.000425	0.061909	0.011702
16.0	0.012210	0.814810	0.000639	0.064232	0.014672
20.0	0.014891	0.774142	0.000856	0.063883	0.017494
24.0	0.017438	0.735503	0.001069	0.062204	0.020175
30.0	0.021023	0.681131	0.001375	0.058629	0.022723
36.0	0.024343	0.630779	0.001642	0.054687	0.025308
42.0	0.027417	0.584149	0.001929	0.050795	0.027672
48.0	0.030264	0.540965	0.002177	0.047098	0.029549
54.0	0.032624	0.496390	0.002419	0.042421	0.031069
60.0	0.034644	0.453782	0.002689	0.036734	0.032682
72.0	0.036092	0.412330	0.002982	0.030332	0.034498
84.0	0.037049	0.371882	0.003310	0.025934	0.036117
96.0	0.037759	0.331230	0.003591	0.020500	0.037024
120.0	0.038124	0.292644	0.003839	0.018756	0.037777
144.0	0.038172	0.252640	0.004036	0.015054	0.038538
168.0	0.038172	0.212640	0.004111	0.011072	0.039559
192.0	0.038567	0.185640	0.004189	0.008144	0.040000
216.0	0.038025	0.162989	0.004190	0.005990	0.040000
240.0	0.038039	0.146328	0.004201	0.004405	0.040000
264.0	0.038785	0.124075	0.004287	0.003324	0.040000

SATURATED PROMETHIUM 0.065930
SATURATED SAMARIUM 0.005285

[illegible]

TIME HOURS	PROMETHIUM		MW/KG	36.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.002307	0.974725	0.000026	0.020407	0.642604	0.007592
4.0	0.004556	0.950089	0.000089	0.033006	0.412939	0.009841
6.0	0.006748	0.926075	0.000176	0.040598	0.265356	0.012033
8.0	0.008885	0.902668	0.000277	0.044988	0.170519	0.014170
12.0	0.012998	0.857615	0.000497	0.048370	0.070414	0.018283
16.0	0.016906	0.814810	0.000724	0.048280	0.029077	0.022190
20.0	0.020618	0.774142	0.000946	0.046830	0.012007	0.025903
24.0	0.024145	0.735503	0.001161	0.044889	0.004958	0.029430
30.0	0.029109	0.681131	0.001464	0.041772	0.001316	0.034393
36.0	0.033705	0.630779	0.001746	0.038737	0.000349	0.038990
42.0	0.037962	0.584149	0.002008	0.035888	0.000093	0.043247
48.0	0.041904	0.540965	0.002250	0.033239	0.000025	0.047189
60.0	0.048936	0.463940	0.002682	0.028507	0.000002	0.054220
72.0	0.054966	0.397882	0.003053	0.024448	0.000000	0.060251
84.0	0.060138	0.341230	0.003371	0.020967	0.000000	0.065422
96.0	0.064573	0.292644	0.003643	0.017982	0.000000	0.069858
120.0	0.071639	0.215240	0.004077	0.013226	0.000000	0.076924
144.0	0.076836	0.158310	0.004397	0.009727	0.000000	0.082121
168.0	0.080659	0.116438	0.004631	0.007155	0.000000	0.085943
192.0	0.083470	0.085640	0.004804	0.005262	0.000000	0.088755
216.0	0.085538	0.062989	0.004931	0.003870	0.000000	0.090822
240.0	0.087059	0.046328	0.005025	0.002847	0.000000	0.092343
264.0	0.088177	0.034075	0.005093	0.002094	0.000000	0.093462

SATURATED PROMETHIUM 0.091288
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	38.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.002435	0.974725	0.000027	0.020176	0.627008	0.007720
4.0	0.004809	0.950089	0.000093	0.032317	0.393139	0.010094
6.0	0.007123	0.926075	0.000182	0.039432	0.246502	0.012408
8.0	0.009379	0.902668	0.000285	0.043408	0.154559	0.014663
12.0	0.013720	0.857615	0.000508	0.046237	0.060763	0.019005
16.0	0.017845	0.814810	0.000736	0.045893	0.023888	0.023129
20.0	0.021764	0.774142	0.000959	0.044374	0.009391	0.027048
24.0	0.025487	0.735503	0.001173	0.042463	0.003692	0.030771
30.0	0.030726	0.681131	0.001476	0.039469	0.000910	0.036011
36.0	0.035578	0.630779	0.001758	0.036587	0.000224	0.040863
42.0	0.040071	0.584149	0.002018	0.033892	0.000055	0.045356
48.0	0.044232	0.540965	0.002260	0.031388	0.000014	0.049517
60.0	0.051655	0.463940	0.002691	0.026920	0.000001	0.056939
72.0	0.058020	0.397882	0.003060	0.023087	0.000000	0.063304
84.0	0.063479	0.341230	0.003377	0.019800	0.000000	0.068763
96.0	0.068161	0.292644	0.003648	0.016980	0.000000	0.073445
120.0	0.075619	0.215240	0.004081	0.012489	0.000000	0.080904
144.0	0.081105	0.158310	0.004399	0.009186	0.000000	0.086389
168.0	0.085140	0.116438	0.004634	0.006756	0.000000	0.090424
192.0	0.088107	0.085640	0.004806	0.004969	0.000000	0.093392
216.0	0.090290	0.062989	0.004932	0.003655	0.000000	0.095575
240.0	0.091895	0.046328	0.005026	0.002688	0.000000	0.097180
264.0	0.093076	0.034075	0.005094	0.001977	0.000000	0.098361

SATURATED PROMETHIUM 0.096360
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	40.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.002564	0.974725	0.000028	0.019948	0.611792	0.007848
4.0	0.005063	0.950089	0.000097	0.031648	0.374289	0.010347
6.0	0.007498	0.926075	0.000188	0.038314	0.228987	0.012783
8.0	0.009872	0.902668	0.000293	0.041914	0.140092	0.015157
12.0	0.014442	0.857615	0.000519	0.044256	0.052435	0.019727
16.0	0.018784	0.814810	0.000748	0.043706	0.019626	0.024069
20.0	0.022909	0.774142	0.000971	0.042146	0.007346	0.028194
24.0	0.026828	0.735503	0.001185	0.040275	0.002749	0.032113
30.0	0.032343	0.681131	0.001487	0.037403	0.000630	0.037628
36.0	0.037451	0.630779	0.001768	0.034662	0.000144	0.042735
42.0	0.042180	0.584149	0.002028	0.032105	0.000033	0.047465
48.0	0.046560	0.540965	0.002269	0.029733	0.000008	0.051845
60.0	0.054373	0.463940	0.002698	0.025500	0.000000	0.059658
72.0	0.061074	0.397882	0.003066	0.021869	0.000000	0.066358
84.0	0.066820	0.341230	0.003382	0.018755	0.000000	0.072104
96.0	0.071748	0.292644	0.003653	0.016085	0.000000	0.077033
120.0	0.079599	0.215240	0.004085	0.011830	0.000000	0.084884
144.0	0.085374	0.158310	0.004402	0.008701	0.000000	0.090658
168.0	0.089621	0.116438	0.004635	0.006400	0.000000	0.094905
192.0	0.092745	0.085640	0.004807	0.004707	0.000000	0.098029
216.0	0.095042	0.062989	0.004933	0.003462	0.000000	0.100327
240.0	0.096732	0.046328	0.005026	0.002546	0.000000	0.102017
264.0	0.097975	0.034075	0.005095	0.001873	0.000000	0.103259

SATURATED PROMETHIUM 0.101431
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	42.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C	D	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.002692	0.974725	0.000029	0.019724	0.596944	0.007976
4.0	0.005316	0.950089	0.000100	0.030999	0.356342	0.010600
6.0	0.007873	0.926075	0.000194	0.037244	0.212716	0.013158
8.0	0.010366	0.902668	0.000300	0.040498	0.126980	0.015651
12.0	0.015164	0.857615	0.000528	0.042413	0.045248	0.020449
16.0	0.019723	0.814810	0.000758	0.041699	0.016124	0.025008
20.0	0.024054	0.774142	0.000982	0.040118	0.005746	0.029339
24.0	0.028170	0.735503	0.001195	0.038293	0.002047	0.033454
30.0	0.033960	0.681131	0.001497	0.035539	0.000436	0.039245
36.0	0.039323	0.630779	0.001777	0.032928	0.000093	0.044608
42.0	0.044289	0.584149	0.002036	0.030497	0.000020	0.049574
48.0	0.048888	0.540965	0.002277	0.028243	0.000004	0.054173
60.0	0.057092	0.463940	0.002705	0.024222	0.000000	0.062376
72.0	0.064127	0.397882	0.003072	0.020773	0.000000	0.069412
84.0	0.070161	0.341230	0.003387	0.017815	0.000000	0.075445
96.0	0.075335	0.292644	0.003657	0.015279	0.000000	0.080620
120.0	0.083579	0.215240	0.004088	0.011238	0.000000	0.088864
144.0	0.089642	0.158310	0.004404	0.008265	0.000000	0.094927
168.0	0.094102	0.116438	0.004637	0.006079	0.000000	0.099386
192.0	0.097382	0.085640	0.004808	0.004471	0.000000	0.102666
216.0	0.099794	0.062989	0.004934	0.003289	0.000000	0.105079
240.0	0.101569	0.046328	0.005027	0.002419	0.000000	0.106853
264.0	0.102874	0.034075	0.005095	0.001779	0.000000	0.108158

SATURATED PROMETHIUM 0.106503
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	44.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.002820	0.974725	0.000031	0.019503	0.582457	0.008105
4.0	0.005569	0.950089	0.000103	0.030370	0.339256	0.010853
6.0	0.008248	0.926075	0.000199	0.036218	0.197602	0.013533
8.0	0.010860	0.902668	0.000307	0.039157	0.115095	0.016144
12.0	0.015887	0.857615	0.000537	0.040698	0.039047	0.021171
16.0	0.020662	0.814810	0.000768	0.039852	0.013247	0.025947
20.0	0.025200	0.774142	0.000991	0.038266	0.004494	0.030484
24.0	0.029511	0.735503	0.001205	0.036492	0.001525	0.034796
30.0	0.035578	0.681131	0.001506	0.033850	0.000301	0.040862
36.0	0.041196	0.630779	0.001785	0.031358	0.000060	0.046480
42.0	0.046398	0.584149	0.002044	0.029042	0.000012	0.051683
48.0	0.051216	0.540965	0.002284	0.026896	0.000002	0.056501
60.0	0.059810	0.463940	0.002711	0.023066	0.000000	0.065095
72.0	0.067181	0.397882	0.003077	0.019782	0.000000	0.072465
84.0	0.073502	0.341230	0.003392	0.016965	0.000000	0.078786
96.0	0.078923	0.292644	0.003661	0.014550	0.000000	0.084207
120.0	0.087559	0.215240	0.004091	0.010701	0.000000	0.092844
144.0	0.093911	0.158310	0.004406	0.007871	0.000000	0.099195
168.0	0.098583	0.116438	0.004639	0.005789	0.000000	0.103867
192.0	0.102019	0.085640	0.004809	0.004258	0.000000	0.107304
216.0	0.104546	0.062989	0.004935	0.003132	0.000000	0.109831
240.0	0.106405	0.046328	0.005028	0.002303	0.000000	0.111690
264.0	0.107772	0.034075	0.005096	0.001694	0.000000	0.113057

SATURATED PROMETHIUM 0.111574
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	46.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.002948	0.974725	0.000032	0.019286	0.568321	0.008233
4.0	0.005822	0.950089	0.000106	0.029758	0.322989	0.011106
6.0	0.008623	0.926075	0.000204	0.035235	0.183562	0.013908
8.0	0.011353	0.902668	0.000314	0.037885	0.104322	0.016638
12.0	0.016609	0.857615	0.000546	0.039098	0.033695	0.021893
16.0	0.021602	0.814810	0.000777	0.038150	0.010883	0.026886
20.0	0.026345	0.774142	0.001000	0.036569	0.003515	0.031630
24.0	0.030852	0.735503	0.001214	0.034849	0.001135	0.036137
30.0	0.037195	0.681131	0.001514	0.032313	0.000208	0.042479
36.0	0.043068	0.630779	0.001793	0.029931	0.000038	0.048353
42.0	0.048507	0.584149	0.002051	0.027720	0.000007	0.053792
48.0	0.053544	0.540965	0.002290	0.025671	0.000001	0.058829
60.0	0.062529	0.463940	0.002716	0.022016	0.000000	0.067814
72.0	0.070235	0.397882	0.003082	0.018881	0.000000	0.075519
84.0	0.076843	0.341230	0.003396	0.016193	0.000000	0.082127
96.0	0.082510	0.292644	0.003665	0.013887	0.000000	0.087795
120.0	0.091539	0.215240	0.004093	0.010214	0.000000	0.096823
144.0	0.098180	0.158310	0.004408	0.007512	0.000000	0.103464
168.0	0.103064	0.116438	0.004640	0.005525	0.000000	0.108348
192.0	0.106656	0.085640	0.004811	0.004064	0.000000	0.111941
216.0	0.109298	0.062989	0.004936	0.002989	0.000000	0.114583
240.0	0.111242	0.046328	0.005028	0.002198	0.000000	0.116526
264.0	0.112671	0.034075	0.005096	0.001617	0.000000	0.117956

SATURATED PROMETHIUM 0.116646
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	48.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.003076	0.974725	0.000033	0.019071	0.554529	0.008361
4.0	0.006075	0.950089	0.000110	0.029165	0.307502	0.011360
6.0	0.008998	0.926075	0.000209	0.034293	0.170519	0.014283
8.0	0.011847	0.902668	0.000321	0.036678	0.094558	0.017131
12.0	0.017331	0.857615	0.000554	0.037605	0.029077	0.022615
16.0	0.022541	0.814810	0.000785	0.036576	0.008941	0.027825
20.0	0.027491	0.774142	0.001009	0.035011	0.002749	0.032775
24.0	0.032194	0.735503	0.001222	0.033344	0.000845	0.037478
30.0	0.038812	0.681131	0.001522	0.030908	0.000144	0.044096
36.0	0.044941	0.630779	0.001800	0.028628	0.000025	0.050225
42.0	0.050616	0.584149	0.002057	0.026513	0.000004	0.055901
48.0	0.055872	0.540965	0.002296	0.024553	0.000001	0.061157
60.0	0.065248	0.463940	0.002722	0.021057	0.000000	0.070532
72.0	0.073288	0.397882	0.003086	0.018059	0.000000	0.078573
84.0	0.080184	0.341230	0.003399	0.015487	0.000000	0.085468
96.0	0.086098	0.292644	0.003668	0.013282	0.000000	0.091382
120.0	0.095519	0.215240	0.004095	0.009769	0.000000	0.100803
144.0	0.102448	0.158310	0.004410	0.007185	0.000000	0.107733
168.0	0.107545	0.116438	0.004641	0.005285	0.000000	0.112829
192.0	0.111293	0.085640	0.004811	0.003887	0.000000	0.116578
216.0	0.114051	0.062989	0.004937	0.002859	0.000000	0.119335
240.0	0.116078	0.046328	0.005029	0.002103	0.000000	0.121363
264.0	0.117570	0.034075	0.005096	0.001547	0.000000	0.122854

SATURATED PROMETHIUM 0.121717
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	50.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	E	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.003205	0.974725	0.000034	0.018861	0.541071	0.008489
4.0	0.006328	0.950089	0.000113	0.028589	0.292758	0.011613
6.0	0.009373	0.926075	0.000214	0.033388	0.158403	0.014657
8.0	0.012341	0.902668	0.000327	0.035532	0.085707	0.017625
12.0	0.018053	0.857615	0.000561	0.036209	0.025091	0.023337
16.0	0.023480	0.814810	0.000793	0.035119	0.007346	0.028765
20.0	0.028636	0.774142	0.001016	0.033576	0.002151	0.033921
24.0	0.033535	0.735503	0.001229	0.031962	0.000630	0.038820
30.0	0.040429	0.681131	0.001529	0.029620	0.000100	0.045714
36.0	0.046813	0.630779	0.001806	0.027434	0.000016	0.052098
42.0	0.052725	0.584149	0.002063	0.025406	0.000002	0.058010
48.0	0.058201	0.540965	0.002301	0.023528	0.000000	0.063485
60.0	0.067966	0.463940	0.002726	0.020178	0.000000	0.073251
72.0	0.076342	0.397882	0.003090	0.017305	0.000000	0.081626
84.0	0.083525	0.341230	0.003403	0.014841	0.000000	0.088809
96.0	0.089685	0.292644	0.003671	0.012728	0.000000	0.094970
120.0	0.099499	0.215240	0.004098	0.009361	0.000000	0.104783
144.0	0.106717	0.158310	0.004412	0.006885	0.000000	0.112002
168.0	0.112026	0.116438	0.004642	0.005064	0.000000	0.117310
192.0	0.115931	0.085640	0.004812	0.003725	0.000000	0.121215
216.0	0.118803	0.062989	0.004937	0.002740	0.000000	0.124087
240.0	0.120915	0.046328	0.005029	0.002015	0.000000	0.126200
264.0	0.122469	0.034075	0.005097	0.001482	0.000000	0.127753

SATURATED PROMETHIUM 0.126789
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	52.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.003333	0.974725	0.000035	0.018653	0.527940	0.008617
4.0	0.006581	0.950089	0.000116	0.028030	0.278721	0.011866
6.0	0.009748	0.926075	0.000219	0.032520	0.147148	0.015032
8.0	0.012834	0.902668	0.000332	0.034443	0.077685	0.018119
12.0	0.018775	0.857615	0.000568	0.034901	0.021652	0.024060
16.0	0.024419	0.814810	0.000800	0.033766	0.006035	0.029704
20.0	0.029782	0.774142	0.001023	0.032250	0.001682	0.035066
24.0	0.034877	0.735503	0.001236	0.030688	0.000469	0.040161
30.0	0.042046	0.681131	0.001535	0.028434	0.000069	0.047331
36.0	0.048686	0.630779	0.001812	0.026335	0.000010	0.053970
42.0	0.054834	0.584149	0.002069	0.024388	0.000001	0.060119
48.0	0.060529	0.540965	0.002306	0.022585	0.000000	0.065813
60.0	0.070685	0.463940	0.002730	0.019370	0.000000	0.075970
72.0	0.079396	0.397882	0.003094	0.016612	0.000000	0.084680
84.0	0.086866	0.341230	0.003406	0.014246	0.000000	0.092150
96.0	0.093272	0.292644	0.003673	0.012218	0.000000	0.098557
120.0	0.103479	0.215240	0.004100	0.008986	0.000000	0.108763
144.0	0.110986	0.158310	0.004413	0.006609	0.000000	0.116270
168.0	0.116507	0.116438	0.004644	0.004861	0.000000	0.121792
192.0	0.120568	0.085640	0.004813	0.003575	0.000000	0.125852
216.0	0.123555	0.062989	0.004938	0.002630	0.000000	0.128839
240.0	0.125752	0.046328	0.005029	0.001934	0.000000	0.131036
264.0	0.127367	0.034075	0.005097	0.001423	0.000000	0.132652

SATURATED PROMETHIUM 0.131860
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	54.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.003461	0.974725	0.000036	0.018449	0.515127	0.008746
4.0	0.006834	0.950089	0.000119	0.027486	0.265356	0.012119
6.0	0.010123	0.926075	0.000223	0.031687	0.136692	0.015407
8.0	0.013328	0.902668	0.000338	0.033408	0.070414	0.018612
12.0	0.019497	0.857615	0.000574	0.033676	0.018685	0.024782
16.0	0.025358	0.814810	0.000807	0.032509	0.004958	0.030643
20.0	0.030927	0.774142	0.001030	0.031023	0.001316	0.036212
24.0	0.036218	0.735503	0.001242	0.029510	0.000349	0.041503
30.0	0.043663	0.681131	0.001541	0.027340	0.000048	0.048948
36.0	0.050558	0.630779	0.001817	0.025320	0.000007	0.055843
42.0	0.056943	0.584149	0.002074	0.023449	0.000001	0.062228
48.0	0.062857	0.540965	0.002311	0.021715	0.000000	0.068141
60.0	0.073404	0.463940	0.002734	0.018623	0.000000	0.078888
72.0	0.082449	0.397882	0.003098	0.015972	0.000000	0.087734
84.0	0.090207	0.341230	0.003409	0.013698	0.000000	0.095491
96.0	0.096860	0.292644	0.003676	0.011747	0.000000	0.102144
120.0	0.107459	0.215240	0.004101	0.008640	0.000000	0.112743
144.0	0.115254	0.158310	0.004414	0.006355	0.000000	0.120539
168.0	0.120988	0.116438	0.004645	0.004674	0.000000	0.126273
192.0	0.125205	0.085640	0.004814	0.003438	0.000000	0.130490
216.0	0.128307	0.062989	0.004938	0.002528	0.000000	0.133591
240.0	0.130588	0.046328	0.005030	0.001860	0.000000	0.135873
264.0	0.132266	0.034075	0.005097	0.001368	0.000000	0.137551

SATURATED PROMETHIUM 0.136932
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	56.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.003589	0.974725	0.000037	0.018248	0.502626	0.008874
4.0	0.007088	0.950089	0.000121	0.026959	0.252633	0.012372
6.0	0.010498	0.926075	0.000227	0.030887	0.126980	0.015782
8.0	0.013821	0.902668	0.000343	0.032424	0.063823	0.019106
12.0	0.020219	0.857615	0.000581	0.032526	0.016124	0.025504
16.0	0.026298	0.814810	0.000813	0.031337	0.004073	0.031582
20.0	0.032073	0.774142	0.001036	0.029883	0.001029	0.037357
24.0	0.037559	0.735503	0.001248	0.028419	0.000260	0.042844
30.0	0.045280	0.681131	0.001546	0.026326	0.000033	0.050565
36.0	0.052431	0.630779	0.001822	0.024381	0.000004	0.057715
42.0	0.059052	0.584149	0.002078	0.022579	0.000001	0.064337
48.0	0.065185	0.540965	0.002315	0.020910	0.000000	0.070469
60.0	0.076122	0.463940	0.002738	0.017933	0.000000	0.081407
72.0	0.085503	0.397882	0.003101	0.015379	0.000000	0.090787
84.0	0.093548	0.341230	0.003412	0.013189	0.000000	0.098832
96.0	0.100447	0.292644	0.003678	0.011311	0.000000	0.105732
120.0	0.111439	0.215240	0.004103	0.008320	0.000000	0.116723
144.0	0.119523	0.158310	0.004416	0.006119	0.000000	0.124808
168.0	0.125469	0.116438	0.004645	0.004501	0.000000	0.130754
192.0	0.129842	0.085640	0.004814	0.003310	0.000000	0.135127
216.0	0.133059	0.062989	0.004939	0.002435	0.000000	0.138344
240.0	0.135425	0.046328	0.005030	0.001791	0.000000	0.140709
264.0	0.137165	0.034075	0.005098	0.001317	0.	0.142449

SATURATED PROMETHIUM 0.142004
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	58.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.003717	0.974725	0.000038	0.018050	0.490428	0.009002
4.0	0.007341	0.950089	0.000124	0.026446	0.240519	0.012625
6.0	0.010873	0.926075	0.000231	0.030119	0.117957	0.016157
8.0	0.014315	0.902668	0.000348	0.031486	0.057850	0.019600
12.0	0.020941	0.857615	0.000586	0.031445	0.013914	0.026226
16.0	0.027237	0.814810	0.000819	0.030243	0.003347	0.032521
20.0	0.033218	0.774142	0.001041	0.028822	0.000805	0.038503
24.0	0.038901	0.735503	0.001253	0.027405	0.000194	0.044185
30.0	0.046898	0.681131	0.001551	0.025385	0.000023	0.052182
36.0	0.054303	0.630779	0.001827	0.023509	0.000003	0.059588
42.0	0.061161	0.584149	0.002083	0.021771	0.000000	0.066446
48.0	0.067513	0.540965	0.002319	0.020162	0.000000	0.072797
60.0	0.078841	0.463940	0.002741	0.017291	0.000000	0.084126
72.0	0.088557	0.397882	0.003104	0.014829	0.000000	0.093841
84.0	0.096889	0.341230	0.003414	0.012718	0.000000	0.102173
96.0	0.104035	0.292644	0.003680	0.010907	0.000000	0.109319
120.0	0.115419	0.215240	0.004105	0.008022	0.000000	0.120703
144.0	0.123792	0.158310	0.004417	0.005900	0.000000	0.129076
168.0	0.129950	0.116438	0.004646	0.004340	0.000000	0.135235
192.0	0.134480	0.085640	0.004815	0.003192	0.000000	0.139764
216.0	0.137811	0.062989	0.004939	0.002348	0.000000	0.143096
240.0	0.140261	0.046328	0.005031	0.001727	0.000000	0.145546
264.0	0.142064	0.034075	0.005098	0.001270	0.	0.147348

SATURATED PROMETHIUM 0.147075
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	60.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.003846	0.974725	0.000039	0.017855	0.478526	0.009130
4.0	0.007594	0.950089	0.000127	0.025947	0.228987	0.012878
6.0	0.011247	0.926075	0.000235	0.029380	0.109576	0.016532
8.0	0.014809	0.902668	0.000353	0.030594	0.052435	0.020093
12.0	0.021663	0.857615	0.000592	0.030428	0.012007	0.026948
16.0	0.028176	0.814810	0.000824	0.029220	0.002749	0.033461
20.0	0.034364	0.774142	0.001046	0.027833	0.000630	0.039648
24.0	0.040242	0.735503	0.001258	0.026460	0.000144	0.045527
30.0	0.048515	0.681131	0.001556	0.024509	0.000016	0.053799
36.0	0.056176	0.630779	0.001831	0.022697	0.000002	0.061460
42.0	0.063270	0.584149	0.002087	0.021019	0.000000	0.068555
48.0	0.069841	0.540965	0.002323	0.019466	0.000000	0.075125
60.0	0.081560	0.463940	0.002745	0.016694	0.000000	0.086844
72.0	0.091610	0.397882	0.003106	0.014317	0.000000	0.096895
84.0	0.100230	0.341230	0.003416	0.012278	0.000000	0.105514
96.0	0.107622	0.292644	0.003682	0.010530	0.000000	0.112907
120.0	0.119399	0.215240	0.004106	0.007745	0.000000	0.124683
144.0	0.128060	0.158310	0.004418	0.005696	0.000000	0.133345
168.0	0.134431	0.116438	0.004647	0.004190	0.000000	0.139716
192.0	0.139117	0.085640	0.004816	0.003082	0.000000	0.144401
216.0	0.142563	0.062989	0.004940	0.002267	0.000000	0.147848
240.0	0.145098	0.046328	0.005031	0.001667	0.	0.150383
264.0	0.146962	0.034075	0.005098	0.001226	0.	0.152247

SATURATED PROMETHIUM 0.152147
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	62.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.003974	0.974725	0.000040	0.017663	0.466912	0.009258
4.0	0.007847	0.950089	0.000129	0.025463	0.218007	0.013132
6.0	0.011622	0.926075	0.000239	0.028670	0.101790	0.016907
8.0	0.015302	0.902668	0.000357	0.029743	0.047527	0.020587
12.0	0.022386	0.857615	0.000597	0.029469	0.010361	0.027670
16.0	0.029115	0.814810	0.000829	0.028262	0.002259	0.034400
20.0	0.035509	0.774142	0.001051	0.026909	0.000492	0.040794
24.0	0.041584	0.735503	0.001263	0.025579	0.000107	0.046868
30.0	0.050132	0.681131	0.001560	0.023691	0.000011	0.055417
36.0	0.058048	0.630779	0.001835	0.021940	0.000001	0.063333
42.0	0.065379	0.584149	0.002090	0.020318	0.000000	0.070664
48.0	0.072169	0.540965	0.002326	0.018816	0.000000	0.077453
60.0	0.084278	0.463940	0.002748	0.016137	0.000000	0.089563
72.0	0.094664	0.397882	0.003109	0.013839	0.000000	0.099949
84.0	0.103571	0.341230	0.003419	0.011869	0.000000	0.108855
96.0	0.111209	0.292644	0.003684	0.010179	0.000000	0.116494
120.0	0.123379	0.215240	0.004108	0.007486	0.000000	0.128663
144.0	0.132329	0.158310	0.004419	0.005506	0.000000	0.137614
168.0	0.138912	0.116438	0.004648	0.004050	0.000000	0.144197
192.0	0.143754	0.085640	0.004816	0.002979	0.000000	0.149039
216.0	0.147315	0.062989	0.004940	0.002191	0.000000	0.152600
240.0	0.149935	0.046328	0.005031	0.001611	0.	0.155219
264.0	0.151861	0.034075	0.005098	0.001185	0.	0.157146

SATURATED PROMETHIUM 0.157218
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	64.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.004102	0.974725	0.000041	0.017474	0.455581	0.009386
4.0	0.008100	0.950089	0.000132	0.024993	0.207554	0.013385
6.0	0.011997	0.926075	0.000243	0.027988	0.094558	0.017282
8.0	0.015796	0.902668	0.000361	0.028932	0.043079	0.021080
12.0	0.023108	0.857615	0.000601	0.028565	0.008941	0.028392
16.0	0.030054	0.814810	0.000834	0.027363	0.001856	0.035339
20.0	0.036654	0.774142	0.001056	0.026043	0.000385	0.041939
24.0	0.042925	0.735503	0.001267	0.024753	0.000080	0.048210
30.0	0.051749	0.681131	0.001564	0.022926	0.000008	0.057034
36.0	0.059921	0.630779	0.001839	0.021231	0.000001	0.065205
42.0	0.067488	0.584149	0.002094	0.019662	0.000000	0.072773
48.0	0.074497	0.540965	0.002330	0.018208	0.000000	0.079781
60.0	0.086997	0.463940	0.002750	0.015615	0.000000	0.092282
72.0	0.097718	0.397882	0.003111	0.013392	0.000000	0.103002
84.0	0.106912	0.341230	0.003421	0.011485	0.000000	0.112196
96.0	0.114797	0.292644	0.003686	0.009850	0.000000	0.120081
120.0	0.127359	0.215240	0.004109	0.007245	0.000000	0.132643
144.0	0.136598	0.158310	0.004420	0.005328	0.000000	0.141882
168.0	0.143393	0.116438	0.004649	0.003919	0.000000	0.148678
192.0	0.148391	0.085640	0.004817	0.002883	0.000000	0.153676
216.0	0.152067	0.062989	0.004940	0.002120	0.000000	0.157352
240.0	0.154771	0.046328	0.005031	0.001559	0.	0.160056
264.0	0.156760	0.034075	0.005098	0.001147	0.	0.162044

SATURATED PROMETHIUM 0.162290
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	66.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.004230	0.974725	0.000042	0.017287	0.444524	0.009515
4.0	0.008353	0.950089	0.000134	0.024535	0.197602	0.013638
6.0	0.012372	0.926075	0.000246	0.027331	0.087839	0.017657
8.0	0.016290	0.902668	0.000366	0.028159	0.039047	0.021574
12.0	0.023830	0.857615	0.000606	0.027711	0.007716	0.029114
16.0	0.030994	0.814810	0.000839	0.026517	0.001525	0.036278
20.0	0.037800	0.774142	0.001060	0.025231	0.000301	0.043084
24.0	0.044266	0.735503	0.001271	0.023979	0.000060	0.049551
30.0	0.053366	0.681131	0.001568	0.022208	0.000005	0.058651
36.0	0.061793	0.630779	0.001842	0.020567	0.000000	0.067078
42.0	0.069597	0.584149	0.002097	0.019046	0.000000	0.074882
48.0	0.076825	0.540965	0.002333	0.017638	0.000000	0.082109
60.0	0.089716	0.463940	0.002753	0.015127	0.000000	0.095000
72.0	0.100771	0.397882	0.003113	0.012973	0.000000	0.106056
84.0	0.110253	0.341230	0.003423	0.011126	0.000000	0.115537
96.0	0.118384	0.292644	0.003688	0.009542	0.000000	0.123669
120.0	0.131338	0.215240	0.004110	0.007018	0.000000	0.136623
144.0	0.140866	0.158310	0.004421	0.005162	0.000000	0.146151
168.0	0.147874	0.116438	0.004649	0.003796	0.000000	0.153159
192.0	0.153029	0.085640	0.004817	0.002792	0.000000	0.158313
216.0	0.156820	0.062989	0.004941	0.002054	0.000000	0.162104
240.0	0.159608	0.046328	0.005032	0.001511	0.	0.164892
264.0	0.161659	0.034075	0.005099	0.001111	0.	0.166943

SATURATED PROMETHIUM 0.167361
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG 180.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C	D	
0.	0.	1.000000	0.	0.	1.000000
2.0	0.011537	0.974725	0.000080	0.010134	0.109576
4.0	0.022782	0.950089	0.000206	0.010988	0.012007
6.0	0.033742	0.926075	0.000333	0.010832	0.001316
8.0	0.044426	0.902668	0.000458	0.010572	0.000144
12.0	0.064990	0.857615	0.000699	0.010046	0.000002
16.0	0.084528	0.814810	0.000928	0.009544	0.000000
20.0	0.103091	0.774142	0.001146	0.009068	0.000000
24.0	0.120727	0.735503	0.001352	0.008615	0.000000
30.0	0.145544	0.681131	0.001643	0.007978	0.000000
36.0	0.168527	0.630779	0.001912	0.007389	0.000000
42.0	0.189811	0.584149	0.002161	0.006842	0.000000
48.0	0.209522	0.540965	0.002392	0.006337	0.000000
60.0	0.244679	0.463940	0.002804	0.005434	0.000000
72.0	0.274831	0.397882	0.003157	0.004661	0.000000
84.0	0.300689	0.341230	0.003460	0.003997	0.
96.0	0.322866	0.292644	0.003720	0.003428	0.
120.0	0.358196	0.215240	0.004134	0.002521	0.
144.0	0.384181	0.158310	0.004438	0.001854	0.
168.0	0.403293	0.116438	0.004662	0.001364	0.
192.0	0.417351	0.085640	0.004827	0.001003	0.
216.0	0.427690	0.062989	0.004948	0.000738	0.
240.0	0.435294	0.046328	0.005037	0.000543	0.
264.0	0.440887	0.034075	0.005102	0.000399	0.

SATURATED PROMETHIUM 0.456440
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG 190.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C	D	
0.	0.	1.000000	0.	0.	1.000000
2.0	0.012177	0.974725	0.000082	0.009735	0.096910
4.0	0.024047	0.950089	0.000209	0.010432	0.009391
6.0	0.035617	0.926075	0.000336	0.010260	0.000910
8.0	0.046894	0.902668	0.000461	0.010010	0.000088
12.0	0.068601	0.857615	0.000702	0.009511	0.000001
16.0	0.089224	0.814810	0.000931	0.009036	0.000000
20.0	0.108818	0.774142	0.001148	0.008585	0.000000
24.0	0.127434	0.735503	0.001355	0.008157	0.000000
30.0	0.153630	0.681131	0.001645	0.007554	0.000000
36.0	0.177890	0.630779	0.001914	0.006995	0.000000
42.0	0.200356	0.584149	0.002163	0.006478	0.000000
48.0	0.221162	0.540965	0.002394	0.005999	0.000000
60.0	0.258273	0.463940	0.002806	0.005145	0.000000
72.0	0.290099	0.397882	0.003159	0.004413	0.000000
84.0	0.317394	0.341230	0.003461	0.003784	0.
96.0	0.340803	0.292644	0.003721	0.003245	0.
120.0	0.378096	0.215240	0.004134	0.002387	0.
144.0	0.405525	0.158310	0.004439	0.001756	0.
168.0	0.425699	0.116438	0.004662	0.001291	0.
192.0	0.440537	0.085640	0.004827	0.000950	0.
216.0	0.451450	0.062989	0.004948	0.000699	0.
240.0	0.459477	0.046328	0.005037	0.000514	0.
264.0	0.465381	0.034075	0.005102	0.000378	0.

SATURATED PROMETHIUM 0.481798
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG 200.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C	D	
0.	0.	1.000000	0.	0.	1.000000
2.0	0.012818	0.974725	0.000084	0.009361	0.085707
4.0	0.025313	0.950089	0.000211	0.009927	0.007346
6.0	0.037491	0.926075	0.000339	0.009745	0.000630
8.0	0.049362	0.902668	0.000464	0.009504	0.000054
12.0	0.072211	0.857615	0.000705	0.009030	0.000000
16.0	0.093920	0.814810	0.000933	0.008580	0.000000
20.0	0.114545	0.774142	0.001150	0.008151	0.000000
24.0	0.134141	0.735503	0.001357	0.007745	0.000000
30.0	0.161716	0.681131	0.001647	0.007172	0.000000
36.0	0.187253	0.630779	0.001916	0.006642	0.000000
42.0	0.210901	0.584149	0.002165	0.006151	0.000000
48.0	0.232802	0.540965	0.002396	0.005696	0.000000
60.0	0.271866	0.463940	0.002807	0.004885	0.000000
72.0	0.305368	0.397882	0.003160	0.004190	0.
84.0	0.334099	0.341230	0.003462	0.003593	0.
96.0	0.358740	0.292644	0.003722	0.003081	0.
120.0	0.397995	0.215240	0.004135	0.002266	0.
144.0	0.426868	0.158310	0.004439	0.001667	0.
168.0	0.448104	0.116438	0.004663	0.001226	0.
192.0	0.463723	0.085640	0.004827	0.000902	0.
216.0	0.475211	0.062989	0.004948	0.000663	0.
240.0	0.483660	0.046328	0.005037	0.000488	0.
264.0	0.489875	0.034075	0.005103	0.000359	0.

SATURATED PROMETHIUM 0.507156
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG 210.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C	D	
0.	0.	1.000000	0.	0.	1.000000
2.0	0.013459	0.974725	0.000086	0.009010	0.075800
4.0	0.026578	0.950089	0.000214	0.009465	0.005746
6.0	0.039366	0.926075	0.000342	0.009278	0.000436
8.0	0.051830	0.902668	0.000467	0.009047	0.000033
12.0	0.075822	0.857615	0.000707	0.008596	0.000000
16.0	0.098616	0.814810	0.000935	0.008167	0.000000
20.0	0.120272	0.774142	0.001153	0.007759	0.000000
24.0	0.140848	0.735503	0.001359	0.007372	0.000000
30.0	0.169802	0.681131	0.001649	0.006827	0.000000
36.0	0.196615	0.630779	0.001918	0.006322	0.000000
42.0	0.221447	0.584149	0.002167	0.005855	0.000000
48.0	0.244442	0.540965	0.002397	0.005422	0.000000
60.0	0.285459	0.463940	0.002808	0.004650	0.000000
72.0	0.320636	0.397882	0.003161	0.003988	0.
84.0	0.350804	0.341230	0.003463	0.003420	0.
96.0	0.376677	0.292644	0.003723	0.002933	0.
120.0	0.417895	0.215240	0.004136	0.002157	0.
144.0	0.448211	0.158310	0.004440	0.001587	0.
168.0	0.470509	0.116438	0.004663	0.001167	0.
192.0	0.486909	0.085640	0.004827	0.000858	0.
216.0	0.498971	0.062989	0.004948	0.000631	0.
240.0	0.507843	0.046328	0.005037	0.000464	0.
264.0	0.514368	0.034075	0.005103	0.000342	0.

SATURATED PROMETHIUM 0.532514
SATURATED SAMARIUM 0.005285

		PROMETHIUM		MW/KG	220.00	SAMARIUM		SHUTDOWN
TIME		A	B	C		D	E	TRANSIENT
HOURS								
0.	0.	1.000000		0.	0.	1.000000		0.005285
2.0	0.014100	0.974725		0.000088	0.008680	0.067038		0.019385
4.0	0.027844	0.950089		0.000216	0.009043	0.004494		0.033129
6.0	0.041241	0.926075		0.000344	0.008853	0.000301		0.046525
8.0	0.054298	0.902668		0.000469	0.008632	0.000020		0.059583
12.0	0.079433	0.857615		0.000709	0.008202	0.000000		0.084717
16.0	0.103312	0.814810		0.000937	0.007792	0.000000		0.108597
20.0	0.126000	0.774142		0.001154	0.007403	0.000000		0.131284
24.0	0.147555	0.735503		0.001361	0.007034	0.000000		0.152840
30.0	0.177888	0.681131		0.001651	0.006514	0.000000		0.183172
36.0	0.205978	0.630779		0.001919	0.006032	0.000000		0.211262
42.0	0.231992	0.584149		0.002168	0.005586	0.000000		0.237276
48.0	0.256082	0.540965		0.002398	0.005173	0.000000		0.261367
60.0	0.299052	0.463940		0.002809	0.004437	0.000000		0.304337
72.0	0.335904	0.397882		0.003162	0.003805	0.		0.341189
84.0	0.367509	0.341230		0.003464	0.003263	0.		0.372794
96.0	0.394614	0.292644		0.003723	0.002799	0.		0.399898
120.0	0.437795	0.215240		0.004136	0.002058	0.		0.443079
144.0	0.469555	0.158310		0.004440	0.001514	0.		0.474839
168.0	0.492914	0.116438		0.004663	0.001114	0.		0.498199
192.0	0.510095	0.085640		0.004828	0.000819	0.		0.515380
216.0	0.522732	0.062989		0.004948	0.000602	0.		0.528016
240.0	0.532026	0.046328		0.005037	0.000443	0.		0.537311
264.0	0.538862	0.034075		0.005103	0.000326	0.		0.544147

SATURATED PROMETHIUM 0.557871
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	230.00	SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C		D	E	
0.	0.	1.000000	0.		0.	1.000000	0.005285
2.0	0.014741	0.974725	0.000089		0.008370	0.059288	0.020026
4.0	0.029110	0.950089	0.000218		0.008655	0.003515	0.034394
6.0	0.043115	0.926075	0.000346		0.008466	0.000208	0.048400
8.0	0.056767	0.902668	0.000471		0.008254	0.000012	0.062051
12.0	0.083043	0.857615	0.000711		0.007842	0.000000	0.088328
16.0	0.108008	0.814810	0.000939		0.007450	0.000000	0.113293
20.0	0.131727	0.774142	0.001156		0.007079	0.000000	0.137012
24.0	0.154262	0.735503	0.001362		0.006725	0.000000	0.159547
30.0	0.185973	0.681131	0.001652		0.006228	0.000000	0.191258
36.0	0.215341	0.630779	0.001921		0.005768	0.000000	0.220625
42.0	0.242537	0.584149	0.002169		0.005341	0.000000	0.247821
48.0	0.267722	0.540965	0.002400		0.004946	0.000000	0.273007
60.0	0.312646	0.463940	0.002810		0.004242	0.000000	0.317930
72.0	0.351173	0.397882	0.003163		0.003638	0.	0.356457
84.0	0.384214	0.341230	0.003465		0.003120	0.	0.389499
96.0	0.412551	0.292644	0.003724		0.002676	0.	0.417835
120.0	0.457695	0.215240	0.004137		0.001968	0.	0.462979
144.0	0.490898	0.158310	0.004440		0.001448	0.	0.496183
168.0	0.515319	0.116438	0.004664		0.001065	0.	0.520604
192.0	0.533281	0.085640	0.004828		0.000783	0.	0.538566
216.0	0.546492	0.062989	0.004949		0.000576	0.	0.551777
240.0	0.556209	0.046328	0.005037		0.000424	0.	0.561494
264.0	0.563356	0.034075	0.005103		0.000312	0.	0.568640

SATURATED PROMETHIUM 0.583229
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG 240.00		SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C	D	E		
0.	0.	1.000000	0.	0.	1.000000	0.005285	
2.0	0.015382	0.974725	0.000091	0.008079	0.052435	0.020667	
4.0	0.030375	0.950089	0.000220	0.008298	0.002749	0.035660	
6.0	0.044990	0.926075	0.000348	0.008111	0.000144	0.050274	
8.0	0.059235	0.902668	0.000473	0.007907	0.000008	0.064519	
12.0	0.086654	0.857615	0.000713	0.007512	0.000000	0.091938	
16.0	0.112704	0.814810	0.000941	0.007137	0.000000	0.117989	
20.0	0.137454	0.774142	0.001158	0.006781	0.000000	0.142739	
24.0	0.160969	0.735503	0.001364	0.006443	0.000000	0.166254	
30.0	0.194059	0.681131	0.001654	0.005966	0.000000	0.199344	
36.0	0.224703	0.630779	0.001922	0.005525	0.000000	0.229988	
42.0	0.253082	0.584149	0.002171	0.005117	0.000000	0.258366	
48.0	0.279362	0.540965	0.002401	0.004739	0.000000	0.284647	
60.0	0.326239	0.463940	0.002811	0.004064	0.	0.331524	
72.0	0.366441	0.397882	0.003164	0.003485	0.	0.371726	
84.0	0.400919	0.341230	0.003466	0.002989	0.	0.406204	
96.0	0.430488	0.292644	0.003725	0.002563	0.	0.435772	
120.0	0.477594	0.215240	0.004137	0.001885	0.	0.482879	
144.0	0.512241	0.158310	0.004441	0.001387	0.	0.517526	
168.0	0.537725	0.116438	0.004664	0.001020	0.	0.543009	
192.0	0.556467	0.085640	0.004828	0.000750	0.	0.561752	
216.0	0.570253	0.062989	0.004949	0.000552	0.	0.575537	
240.0	0.580392	0.046328	0.005038	0.000406	0.	0.585677	
264.0	0.587849	0.034075	0.005103	0.000298	0.	0.593134	

SATURATED PROMETHIUM 0.608587
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG 250.00		SAMARIUM		SHUTDOWN TRANSIENT
	A	B	C	D	E		
0.	0.	1.000000	0.	0.	1.000000	0.005285	
2.0	0.016023	0.974725	0.000092	0.007804	0.046374	0.021308	
4.0	0.031641	0.950089	0.000222	0.007968	0.002151	0.036926	
6.0	0.046864	0.926075	0.000350	0.007784	0.000100	0.052149	
8.0	0.061703	0.902668	0.000474	0.007588	0.000005	0.066987	
12.0	0.090264	0.857615	0.000714	0.007209	0.000000	0.095549	
16.0	0.117400	0.814810	0.000942	0.006849	0.000000	0.122685	
20.0	0.143181	0.774142	0.001159	0.006507	0.000000	0.148466	
24.0	0.167676	0.735503	0.001365	0.006183	0.000000	0.172961	
30.0	0.202145	0.681131	0.001655	0.005726	0.000000	0.207430	
36.0	0.234066	0.630779	0.001923	0.005302	0.000000	0.239350	
42.0	0.263627	0.584149	0.002172	0.004910	0.000000	0.268911	
48.0	0.291003	0.540965	0.002402	0.004547	0.000000	0.296827	
60.0	0.339832	0.463940	0.002812	0.003900	0.	0.345117	
72.0	0.381710	0.397882	0.003164	0.003345	0.	0.386994	
84.0	0.417624	0.341230	0.003466	0.002868	0.	0.422909	
96.0	0.448425	0.292644	0.003725	0.002460	0.	0.453709	
120.0	0.497494	0.215240	0.004138	0.001809	0.	0.502779	
144.0	0.533585	0.158310	0.004441	0.001331	0.	0.538869	
168.0	0.560130	0.116438	0.004664	0.000979	0.	0.565414	
192.0	0.579654	0.085640	0.004828	0.000720	0.	0.584938	
216.0	0.594013	0.062989	0.004949	0.000529	0.	0.599298	
240.0	0.604575	0.046328	0.005038	0.000389	0.	0.609860	
264.0	0.612343	0.034075	0.005103	0.000286	0.	0.617628	

SATURATED PROMETHIUM 0.633945
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	260.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.016664	0.974725	0.000094	0.007545	0.041013	0.021948
4.0	0.032907	0.950089	0.000223	0.007663	0.001682	0.038191
6.0	0.048739	0.926075	0.000351	0.007482	0.000069	0.054023
8.0	0.064171	0.902668	0.000476	0.007294	0.000003	0.069456
12.0	0.093875	0.857615	0.000716	0.006930	0.000000	0.099159
16.0	0.122096	0.814810	0.000944	0.006584	0.000000	0.127381
20.0	0.148909	0.774142	0.001161	0.006255	0.000000	0.154193
24.0	0.174383	0.735503	0.001366	0.005943	0.000000	0.179668
30.0	0.210231	0.681131	0.001656	0.005504	0.000000	0.215515
36.0	0.243428	0.630779	0.001924	0.005097	0.000000	0.248713
42.0	0.274172	0.584149	0.002173	0.004720	0.000000	0.279456
48.0	0.302643	0.540965	0.002403	0.004371	0.000000	0.307927
60.0	0.353426	0.463940	0.002813	0.003749	0.	0.358710
72.0	0.396978	0.397882	0.003165	0.003215	0.	0.402262
84.0	0.434329	0.341230	0.003467	0.002757	0.	0.439614
96.0	0.466362	0.292644	0.003726	0.002365	0.	0.471646
120.0	0.517394	0.215240	0.004138	0.001739	0.	0.522679
144.0	0.554928	0.158310	0.004441	0.001279	0.	0.560213
168.0	0.582535	0.116438	0.004664	0.000941	0.	0.587819
192.0	0.602840	0.085640	0.004828	0.000692	0.	0.608124
216.0	0.617774	0.062989	0.004949	0.000509	0.	0.623058
240.0	0.628758	0.046328	0.005038	0.000374	0.	0.634043
264.0	0.636837	0.034075	0.005103	0.000275	0.	0.642121

SATURATED PROMETHIUM 0.659302
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	270.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.017305	0.974725	0.000095	0.007300	0.036272	0.022589
4.0	0.034172	0.950089	0.000225	0.007380	0.001316	0.039457
6.0	0.050613	0.926075	0.000353	0.007203	0.000048	0.055898
8.0	0.066639	0.902668	0.000477	0.007021	0.000002	0.071924
12.0	0.097485	0.857615	0.000717	0.006671	0.000000	0.102770
16.0	0.126792	0.814810	0.000945	0.006338	0.000000	0.132077
20.0	0.154636	0.774142	0.001162	0.006022	0.000000	0.159921
24.0	0.181090	0.735503	0.001368	0.005721	0.000000	0.186375
30.0	0.218317	0.681131	0.001657	0.005298	0.000000	0.223601
36.0	0.252791	0.630779	0.001925	0.004907	0.000000	0.258076
42.0	0.284717	0.584149	0.002174	0.004544	0.000000	0.290002
48.0	0.314283	0.540965	0.002404	0.004208	0.000000	0.319567
60.0	0.367019	0.463940	0.002814	0.003609	0.	0.372304
72.0	0.412246	0.397882	0.003166	0.003095	0.	0.417531
84.0	0.451034	0.341230	0.003467	0.002654	0.	0.456319
96.0	0.484299	0.292644	0.003726	0.002276	0.	0.489583
120.0	0.537294	0.215240	0.004138	0.001674	0.	0.542578
144.0	0.576272	0.158310	0.004441	0.001231	0.	0.581556
168.0	0.604940	0.116438	0.004664	0.000906	0.	0.610225
192.0	0.626026	0.085640	0.004828	0.000666	0.	0.631310
216.0	0.641534	0.062989	0.004949	0.000490	0.	0.646819
240.0	0.652941	0.046328	0.005038	0.000360	0.	0.658226
264.0	0.661331	0.034075	0.005103	0.000265	0.	0.666615

SATURATED PROMETHIUM 0.684660
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	280.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.017946	0.974725	0.000096	0.007069	0.032079	0.023230
4.0	0.035438	0.950089	0.000226	0.007117	0.001029	0.040723
6.0	0.052488	0.926075	0.000354	0.006944	0.000033	0.057773
8.0	0.069107	0.902668	0.000479	0.006769	0.000001	0.074392
12.0	0.101096	0.857615	0.000718	0.006431	0.000000	0.106380
16.0	0.131488	0.814810	0.000946	0.006110	0.000000	0.136773
20.0	0.160363	0.774142	0.001163	0.005805	0.000000	0.165648
24.0	0.187797	0.735503	0.001369	0.005515	0.000000	0.193082
30.0	0.226402	0.681131	0.001658	0.005108	0.000000	0.231687
36.0	0.262154	0.630779	0.001926	0.004730	0.000000	0.267438
42.0	0.295262	0.584149	0.002174	0.004380	0.000000	0.300547
48.0	0.325923	0.540965	0.002404	0.004057	0.000000	0.331207
60.0	0.380612	0.463940	0.002814	0.003479	0.	0.385897
72.0	0.427515	0.397882	0.003166	0.002984	0.	0.432799
84.0	0.467739	0.341230	0.003468	0.002559	0.	0.473023
96.0	0.502236	0.292644	0.003726	0.002194	0.	0.507520
120.0	0.557194	0.215240	0.004139	0.001614	0.	0.562478
144.0	0.597615	0.158310	0.004442	0.001187	0.	0.602900
168.0	0.627345	0.116438	0.004665	0.000873	0.	0.632630
192.0	0.649212	0.085640	0.004829	0.000642	0.	0.654496
216.0	0.665295	0.062989	0.004949	0.000472	0.	0.670579
240.0	0.677124	0.046328	0.005038	0.000347	0.	0.682409
264.0	0.685824	0.034075	0.005103	0.000256	0.	0.691109

SATURATED PROMETHIUM 0.710018
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	290.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.018587	0.974725	0.000097	0.006850	0.028371	0.023871
4.0	0.036704	0.950089	0.000227	0.006871	0.000805	0.041988
6.0	0.054363	0.926075	0.000355	0.006703	0.000023	0.059647
8.0	0.071575	0.902668	0.000480	0.006534	0.000001	0.076860
12.0	0.104706	0.857615	0.000720	0.006208	0.000000	0.109991
16.0	0.136184	0.814810	0.000947	0.005898	0.000000	0.141469
20.0	0.166091	0.774142	0.001164	0.005603	0.000000	0.171375
24.0	0.194504	0.735503	0.001370	0.005324	0.000000	0.199789
30.0	0.234488	0.681131	0.001659	0.004930	0.000000	0.239773
36.0	0.271516	0.630779	0.001927	0.004566	0.000000	0.276801
42.0	0.305807	0.584149	0.002175	0.004228	0.000000	0.311092
48.0	0.337563	0.540965	0.002405	0.003916	0.000000	0.342848
60.0	0.394206	0.463940	0.002815	0.003358	0.	0.399490
72.0	0.442783	0.397882	0.003167	0.002880	0.	0.448068
84.0	0.484444	0.341230	0.003468	0.002470	0.	0.489728
96.0	0.520173	0.292644	0.003727	0.002118	0.	0.525457
120.0	0.577093	0.215240	0.004139	0.001558	0.	0.582378
144.0	0.618958	0.158310	0.004442	0.001146	0.	0.624243
168.0	0.649750	0.116438	0.004665	0.000843	0.	0.655035
192.0	0.672398	0.085640	0.004829	0.000620	0.	0.677683
216.0	0.689055	0.062989	0.004949	0.000456	0.	0.694340
240.0	0.701307	0.046328	0.005038	0.000335	0.	0.706592
264.0	0.710318	0.034075	0.005103	0.000247	0.	0.715603

SATURATED PROMETHIUM 0.735376
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	300.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.019228	0.974725	0.000098	0.000643	0.025091	0.024512
4.0	0.037969	0.950089	0.000229	0.000642	0.000630	0.043254
6.0	0.056237	0.926075	0.000356	0.0006478	0.000016	0.061522
8.0	0.074043	0.902668	0.000481	0.0006314	0.000000	0.079328
12.0	0.108317	0.857615	0.000721	0.005999	0.000000	0.113602
16.0	0.140880	0.814810	0.000949	0.005700	0.000000	0.146165
20.0	0.171818	0.774142	0.001165	0.005415	0.000000	0.177102
24.0	0.201211	0.735503	0.001371	0.005145	0.000000	0.206496
30.0	0.242574	0.681131	0.001660	0.004765	0.000000	0.247859
36.0	0.280879	0.630779	0.001928	0.004412	0.000000	0.286164
42.0	0.316352	0.584149	0.002176	0.004086	0.000000	0.321637
48.0	0.349203	0.540965	0.002406	0.003784	0.	0.354488
60.0	0.407799	0.463940	0.002816	0.003245	0.	0.413083
72.0	0.458051	0.397882	0.003167	0.002783	0.	0.463336
84.0	0.501149	0.341230	0.003469	0.002387	0.	0.506433
96.0	0.538110	0.292644	0.003727	0.002047	0.	0.543394
120.0	0.596993	0.215240	0.004139	0.001506	0.	0.602278
144.0	0.640302	0.158310	0.004442	0.001107	0.	0.645586
168.0	0.672156	0.116438	0.004665	0.000815	0.	0.677440
192.0	0.695584	0.085640	0.004829	0.000599	0.	0.700869
216.0	0.712816	0.062989	0.004949	0.000441	0.	0.718101
240.0	0.725490	0.046328	0.005038	0.000324	0.	0.730775
264.0	0.734812	0.034075	0.005103	0.000238	0.	0.740096

SATURATED PROMETHIUM 0.760734
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	310.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.019869	0.974725	0.000099	0.000647	0.022191	0.025153
4.0	0.039235	0.950089	0.000230	0.0006427	0.000492	0.044519
6.0	0.058112	0.926075	0.000358	0.0006268	0.000011	0.063396
8.0	0.076512	0.902668	0.000482	0.0006109	0.000000	0.081796
12.0	0.111928	0.857615	0.000722	0.005804	0.000000	0.117212
16.0	0.145576	0.814810	0.000950	0.005515	0.000000	0.150861
20.0	0.177545	0.774142	0.001166	0.005239	0.000000	0.182830
24.0	0.207918	0.735503	0.001371	0.004978	0.000000	0.213203
30.0	0.250660	0.681131	0.001661	0.004610	0.000000	0.235944
36.0	0.290242	0.630779	0.001929	0.004269	0.000000	0.295526
42.0	0.326897	0.584149	0.002177	0.003954	0.000000	0.332182
48.0	0.360843	0.540965	0.002406	0.003661	0.	0.366128
60.0	0.421392	0.463940	0.002816	0.003140	0.	0.426677
72.0	0.473320	0.397882	0.003168	0.002693	0.	0.478604
84.0	0.517854	0.341230	0.003469	0.002309	0.	0.523138
96.0	0.556047	0.292644	0.003728	0.001781	0.	0.561331
120.0	0.616893	0.215240	0.004139	0.001457	0.	0.622177
144.0	0.661645	0.158310	0.004442	0.001071	0.	0.666930
168.0	0.694561	0.116438	0.004665	0.000788	0.	0.699845
192.0	0.718770	0.085640	0.004829	0.000580	0.	0.724055
216.0	0.736577	0.062989	0.004949	0.000426	0.	0.741861
240.0	0.749673	0.046328	0.005038	0.000314	0.	0.749598
264.0	0.759306	0.034075	0.005103	0.000231	0.	0.764570

SATURATED PROMETHIUM 0.786091
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	320.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.020509	0.974725	0.000100	0.0006261	0.019626	0.025794
4.0	0.040501	0.950089	0.000231	0.0006225	0.000385	0.045785
6.0	0.059986	0.926075	0.000359	0.0006071	0.000008	0.065271
8.0	0.078980	0.902668	0.000483	0.005917	0.000000	0.084264
12.0	0.115538	0.857615	0.000723	0.005622	0.000000	0.120823
16.0	0.150272	0.814810	0.000950	0.005341	0.000000	0.155557
20.0	0.183272	0.774142	0.001167	0.005075	0.000000	0.188557
24.0	0.214625	0.735503	0.001372	0.004821	0.000000	0.219910
30.0	0.258746	0.681131	0.001661	0.004465	0.000000	0.264030
36.0	0.299604	0.630779	0.001929	0.004135	0.000000	0.304889
42.0	0.337442	0.584149	0.002177	0.003829	0.000000	0.342727
48.0	0.372483	0.540965	0.002407	0.003546	0.	0.377768
60.0	0.434985	0.463940	0.002817	0.003041	0.	0.440270
72.0	0.488588	0.397882	0.003168	0.002608	0.	0.493873
84.0	0.534559	0.341230	0.003469	0.002237	0.	0.539843
96.0	0.573984	0.292644	0.003728	0.001918	0.	0.579288
120.0	0.636793	0.215240	0.004140	0.001411	0.	0.642077
144.0	0.682989	0.158310	0.004442	0.001038	0.	0.688273
168.0	0.716966	0.116438	0.004665	0.000763	0.	0.722251
192.0	0.741956	0.085640	0.004829	0.000561	0.	0.747241
216.0	0.760337	0.062989	0.004950	0.000413	0.	0.765622
240.0	0.773856	0.046328	0.005038	0.000304	0.	0.779141
264.0	0.783799	0.034075	0.005103	0.000223	0.	0.789084

SATURATED PROMETHIUM 0.811449
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	330.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.021150	0.974725	0.000101	0.0006084	0.017357	0.026435
4.0	0.041766	0.950089	0.000232	0.0006036	0.000301	0.047051
6.0	0.061861	0.926075	0.000360	0.0005885	0.000005	0.067145
8.0	0.081448	0.902668	0.000484	0.005737	0.000000	0.086732
12.0	0.119149	0.857615	0.000724	0.005450	0.000000	0.124433
16.0	0.154968	0.814810	0.000951	0.005178	0.000000	0.160253
20.0	0.189000	0.774142	0.001168	0.004920	0.000000	0.194284
24.0	0.221333	0.735503	0.001373	0.004674	0.000000	0.226617
30.0	0.266831	0.681131	0.001662	0.004329	0.000000	0.272116
36.0	0.308967	0.630779	0.001930	0.004009	0.000000	0.314251
42.0	0.347987	0.584149	0.002178	0.003712	0.000000	0.353272
48.0	0.384123	0.540965	0.002408	0.003438	0.	0.389408
60.0	0.448579	0.463940	0.002817	0.002948	0.	0.453863
72.0	0.503857	0.397882	0.003169	0.002529	0.	0.509141
84.0	0.551264	0.341230	0.003470	0.002169	0.	0.556548
96.0	0.591921	0.292644	0.003728	0.001860	0.	0.597205
120.0	0.656692	0.215240	0.004140	0.001368	0.	0.661977
144.0	0.704332	0.158310	0.004443	0.001006	0.	0.709617
168.0	0.739371	0.116438	0.004665	0.000740	0.	0.746656
192.0	0.765143	0.085640	0.004829	0.000544	0.	0.770427
216.0	0.784098	0.062989	0.004950	0.000400	0.	0.789382
240.0	0.798039	0.046328	0.005038	0.000294	0.	0.803324
264.0	0.808293	0.034075	0.005103	0.000217	0.	0.813578

SATURATED PROMETHIUM 0.836807
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	340.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.021791	0.974725	0.000102	0.005917	0.015351	0.027076
4.0	0.043032	0.950089	0.000233	0.005858	0.000236	0.048316
6.0	0.063735	0.926075	0.000360	0.005711	0.000004	0.069020
8.0	0.083916	0.902668	0.000485	0.005567	0.000000	0.089200
12.0	0.122759	0.857615	0.000724	0.005289	0.000000	0.128044
16.0	0.159664	0.814810	0.000952	0.005025	0.000000	0.164949
20.0	0.194727	0.774142	0.001168	0.004774	0.000000	0.200011
24.0	0.228040	0.735503	0.001374	0.004536	0.000000	0.233324
30.0	0.274917	0.681131	0.001663	0.004201	0.000000	0.280202
36.0	0.318329	0.630779	0.001931	0.003890	0.000000	0.323614
42.0	0.358532	0.584149	0.002179	0.003603	0.000000	0.363817
48.0	0.395763	0.540965	0.002408	0.003336	0.	0.401048
60.0	0.462172	0.463940	0.002818	0.002861	0.	0.467457
72.0	0.519125	0.397882	0.003169	0.002454	0.	0.524410
84.0	0.567969	0.341230	0.003470	0.002104	0.	0.573253
96.0	0.609858	0.292644	0.003729	0.001805	0.	0.615142
120.0	0.676592	0.215240	0.004140	0.001327	0.	0.681877
144.0	0.725675	0.158310	0.004443	0.000976	0.	0.730960
168.0	0.761776	0.116438	0.004665	0.000718	0.	0.767061
192.0	0.788329	0.085640	0.004829	0.000528	0.	0.793613
216.0	0.807858	0.062989	0.004950	0.000388	0.	0.813143
240.0	0.822222	0.046328	0.005038	0.000286	0.	0.827507
264.0	0.832787	0.034075	0.005103	0.000210	0.	0.838071

SATURATED PROMETHIUM 0.862165
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	350.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.022432	0.974725	0.000103	0.005757	0.013576	0.027717
4.0	0.044297	0.950089	0.000234	0.005690	0.000184	0.049582
6.0	0.065610	0.926075	0.000361	0.005547	0.000002	0.070895
8.0	0.086384	0.902668	0.000486	0.005407	0.000000	0.091669
12.0	0.126370	0.857615	0.000725	0.005137	0.000000	0.131654
16.0	0.164360	0.814810	0.000953	0.004881	0.000000	0.169645
20.0	0.200454	0.774142	0.001169	0.004637	0.000000	0.205739
24.0	0.234747	0.735503	0.001374	0.004406	0.000000	0.240031
30.0	0.283003	0.681131	0.001664	0.004080	0.000000	0.288288
36.0	0.327692	0.630779	0.001931	0.003778	0.000000	0.332977
42.0	0.369078	0.584149	0.002179	0.003499	0.	0.374362
48.0	0.407404	0.540965	0.002409	0.003240	0.	0.412688
60.0	0.475765	0.463940	0.002818	0.002779	0.	0.481050
72.0	0.534393	0.397882	0.003169	0.002383	0.	0.539678
84.0	0.584674	0.341230	0.003471	0.002044	0.	0.589958
96.0	0.627795	0.292644	0.003729	0.001753	0.	0.633079
120.0	0.696492	0.215240	0.004140	0.001289	0.	0.701776
144.0	0.747019	0.158310	0.004443	0.000948	0.	0.752303
168.0	0.784182	0.116438	0.004666	0.000697	0.	0.789466
192.0	0.811515	0.085640	0.004829	0.000513	0.	0.816799
216.0	0.831619	0.062989	0.004950	0.000377	0.	0.836903
240.0	0.846405	0.046328	0.005038	0.000278	0.	0.851690
264.0	0.857281	0.034075	0.005103	0.000204	0.	0.862565

SATURATED PROMETHIUM 0.887523
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	360.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.023073	0.974725	0.000104	0.005606	0.012007	0.028358
4.0	0.045563	0.950089	0.000235	0.005531	0.000144	0.050848
6.0	0.067485	0.926075	0.000362	0.005392	0.000002	0.072769
8.0	0.088852	0.902668	0.000487	0.005256	0.000000	0.094137
12.0	0.129980	0.857615	0.000726	0.004994	0.000000	0.135265
16.0	0.169056	0.814810	0.000954	0.004744	0.000000	0.174341
20.0	0.206181	0.774142	0.001170	0.004508	0.000000	0.211466
24.0	0.241454	0.735503	0.001375	0.004283	0.000000	0.246738
30.0	0.291089	0.681131	0.001664	0.003966	0.000000	0.296373
36.0	0.337055	0.630779	0.001932	0.003673	0.000000	0.342339
42.0	0.379623	0.584149	0.002180	0.003401	0.	0.384907
48.0	0.419044	0.540965	0.002409	0.003150	0.	0.424328
60.0	0.489359	0.463940	0.002819	0.002701	0.	0.494643
72.0	0.549662	0.397882	0.003170	0.002317	0.	0.554946
84.0	0.601379	0.341230	0.003471	0.001987	0.	0.606663
96.0	0.645732	0.292644	0.003729	0.001704	0.	0.651016
120.0	0.716392	0.215240	0.004140	0.001253	0.	0.721676
144.0	0.768362	0.158310	0.004443	0.000922	0.	0.773647
168.0	0.806587	0.116438	0.004666	0.000678	0.	0.811871
192.0	0.834701	0.085640	0.004829	0.000499	0.	0.839986
216.0	0.855379	0.062989	0.004950	0.000367	0.	0.860664
240.0	0.870588	0.046328	0.005038	0.000270	0.	0.875873
264.0	0.881774	0.034075	0.005103	0.000198	0.	0.887059

SATURATED PROMETHIUM 0.912880
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	370.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.023714	0.974725	0.000105	0.005461	0.010619	0.028999
4.0	0.046829	0.950089	0.000235	0.005381	0.000113	0.052113
6.0	0.069359	0.926075	0.000363	0.005246	0.000001	0.074644
8.0	0.091320	0.902668	0.000487	0.005113	0.000000	0.096605
12.0	0.133591	0.857615	0.000727	0.004858	0.000000	0.138876
16.0	0.173752	0.814810	0.000954	0.004615	0.000000	0.179037
20.0	0.211909	0.774142	0.001170	0.004385	0.000000	0.217193
24.0	0.248161	0.735503	0.001376	0.004166	0.000000	0.253445
30.0	0.299175	0.681131	0.001665	0.003858	0.000000	0.304459
36.0	0.346417	0.630779	0.001932	0.003573	0.000000	0.351702
42.0	0.390168	0.584149	0.002180	0.003309	0.	0.395452
48.0	0.430684	0.540965	0.002410	0.003064	0.	0.435968
60.0	0.502952	0.463940	0.002819	0.002628	0.	0.508236
72.0	0.564930	0.397882	0.003170	0.002254	0.	0.570215
84.0	0.618084	0.341230	0.003471	0.001933	0.	0.623368
96.0	0.663669	0.292644	0.003729	0.001658	0.	0.668953
120.0	0.736291	0.215240	0.004141	0.001219	0.	0.741576
144.0	0.789706	0.158310	0.004443	0.000897	0.	0.794990
168.0	0.828992	0.116438	0.004666	0.000660	0.	0.834277
192.0	0.857887	0.085640	0.004829	0.000485	0.	0.863172
216.0	0.879140	0.062989	0.004950	0.000357	0.	0.884424
240.0	0.894771	0.046328	0.005038	0.000262	0.	0.900056
264.0	0.906268	0.034075	0.005103	0.000193	0.	0.911553

SATURATED PROMETHIUM 0.938238
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	380.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.024355	0.974725	0.000105	0.005323	0.009391	0.029640
4.0	0.048094	0.950089	0.000236	0.005239	0.000088	0.053379
6.0	0.071234	0.926075	0.000364	0.005107	0.000001	0.076518
8.0	0.093788	0.902668	0.000488	0.004978	0.000000	0.099073
12.0	0.137202	0.857615	0.000727	0.004729	0.000000	0.142486
16.0	0.178448	0.814810	0.000955	0.004493	0.000000	0.183733
20.0	0.217636	0.774142	0.001171	0.004269	0.000000	0.222920
24.0	0.254868	0.735503	0.001376	0.004056	0.000000	0.260152
30.0	0.307260	0.681131	0.001665	0.003756	0.000000	0.312545
36.0	0.355780	0.630779	0.001933	0.003478	0.000000	0.361065
42.0	0.400713	0.584149	0.002181	0.003221	0.	0.405997
48.0	0.442324	0.540965	0.002410	0.002983	0.	0.447608
60.0	0.516545	0.463940	0.002819	0.002558	0.	0.521830
72.0	0.580199	0.397882	0.003170	0.002194	0.	0.585483
84.0	0.634789	0.341230	0.003471	0.001882	0.	0.640073
96.0	0.681606	0.292644	0.003730	0.001614	0.	0.686890
120.0	0.756191	0.215240	0.004141	0.001187	0.	0.761476
144.0	0.811049	0.158310	0.004443	0.000873	0.	0.816334
168.0	0.851397	0.116438	0.004666	0.000642	0.	0.856682
192.0	0.881073	0.085640	0.004829	0.000472	0.	0.886358
216.0	0.902900	0.062989	0.004950	0.000347	0.	0.908185
240.0	0.918954	0.046328	0.005038	0.000255	0.	0.924239
264.0	0.930762	0.034075	0.005103	0.000188	0.	0.936046

SATURATED PROMETHIUM 0.963596
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	390.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.024996	0.974725	0.000106	0.005192	0.008306	0.030280
4.0	0.049360	0.950089	0.000237	0.005104	0.000069	0.054645
6.0	0.073108	0.926075	0.000364	0.004975	0.000001	0.078393
8.0	0.096256	0.902668	0.000489	0.004849	0.000000	0.101541
12.0	0.140812	0.857615	0.000728	0.004607	0.000000	0.146097
16.0	0.183144	0.814810	0.000956	0.004377	0.000000	0.188429
20.0	0.223363	0.774142	0.001172	0.004159	0.000000	0.228648
24.0	0.261575	0.735503	0.001377	0.003951	0.000000	0.266859
30.0	0.315346	0.681131	0.001666	0.003659	0.000000	0.320631
36.0	0.365143	0.630779	0.001933	0.003389	0.000000	0.370427
42.0	0.411258	0.584149	0.002181	0.003138	0.	0.416542
48.0	0.453964	0.540965	0.002410	0.002906	0.	0.459249
60.0	0.530139	0.463940	0.002820	0.002492	0.	0.535423
72.0	0.595467	0.397882	0.003171	0.002138	0.	0.600751
84.0	0.651494	0.341230	0.003472	0.001833	0.	0.656778
96.0	0.699543	0.292644	0.003730	0.001572	0.	0.704827
120.0	0.776091	0.215240	0.004141	0.001156	0.	0.781376
144.0	0.832392	0.158310	0.004443	0.000850	0.	0.837677
168.0	0.873802	0.116438	0.004666	0.000626	0.	0.879087
192.0	0.904259	0.085640	0.004830	0.000460	0.	0.909544
216.0	0.926661	0.062989	0.004950	0.000338	0.	0.931945
240.0	0.943137	0.046328	0.005038	0.000249	0.	0.948422
264.0	0.955255	0.034075	0.005104	0.000183	0.	0.960540

SATURATED PROMETHIUM 0.988954
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	400.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.025637	0.974725	0.000107	0.005066	0.007346	0.030921
4.0	0.050626	0.950089	0.000237	0.004976	0.000054	0.055910
6.0	0.074983	0.926075	0.000365	0.004850	0.000000	0.080267
8.0	0.098725	0.902668	0.000489	0.004728	0.000000	0.104009
12.0	0.144423	0.857615	0.000729	0.004492	0.000000	0.149707
16.0	0.187840	0.814810	0.000956	0.004267	0.000000	0.193125
20.0	0.229090	0.774142	0.001172	0.004054	0.000000	0.234375
24.0	0.268282	0.735503	0.001377	0.003852	0.000000	0.273566
30.0	0.323432	0.681131	0.001666	0.003567	0.000000	0.328717
36.0	0.374505	0.630779	0.001934	0.003304	0.	0.379790
42.0	0.421803	0.584149	0.002181	0.003059	0.	0.427087
48.0	0.465604	0.540965	0.002411	0.002833	0.	0.470889
60.0	0.543732	0.463940	0.002820	0.002430	0.	0.549016
72.0	0.610735	0.397882	0.003171	0.002084	0.	0.616020
84.0	0.668198	0.341230	0.003472	0.001787	0.	0.673483
96.0	0.717480	0.292644	0.003730	0.001533	0.	0.722764
120.0	0.795991	0.215240	0.004141	0.001127	0.	0.801275
144.0	0.853736	0.158310	0.004444	0.000829	0.	0.859020
168.0	0.896208	0.116438	0.004666	0.000610	0.	0.901492
192.0	0.927446	0.085640	0.004830	0.000449	0.	0.932730
216.0	0.950421	0.062989	0.004950	0.000330	0.	0.955706
240.0	0.967320	0.046328	0.005038	0.000243	0.	0.972605
264.0	0.979749	0.034075	0.005104	0.000178	0.	0.985034

SATURATED PROMETHIUM 1.014312
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	410.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.026278	0.974725	0.000107	0.004947	0.006497	0.031562
4.0	0.051891	0.950089	0.000238	0.004854	0.000042	0.057176
6.0	0.076857	0.926075	0.000366	0.004731	0.000000	0.082142
8.0	0.101193	0.902668	0.000490	0.004612	0.000000	0.106477
12.0	0.148033	0.857615	0.000729	0.004381	0.000000	0.153318
16.0	0.192536	0.814810	0.000957	0.004163	0.000000	0.197821
20.0	0.234818	0.774142	0.001173	0.003955	0.000000	0.240102
24.0	0.274989	0.735503	0.001378	0.003758	0.000000	0.280273
30.0	0.331518	0.681131	0.001667	0.003480	0.000000	0.336802
36.0	0.383868	0.630779	0.001934	0.003223	0.	0.389152
42.0	0.432348	0.584149	0.002182	0.002984	0.	0.437633
48.0	0.477244	0.540965	0.002411	0.002764	0.	0.482529
60.0	0.557325	0.463940	0.002820	0.002370	0.	0.562610
72.0	0.626004	0.397882	0.003171	0.002033	0.	0.631288
84.0	0.684903	0.341230	0.003472	0.001743	0.	0.690188
96.0	0.735417	0.292644	0.003730	0.001495	0.	0.740701
120.0	0.815891	0.215240	0.004141	0.001100	0.	0.821175
144.0	0.875079	0.158310	0.004444	0.000809	0.	0.880364
168.0	0.918613	0.116438	0.004666	0.000595	0.	0.923897
192.0	0.950632	0.085640	0.004830	0.000438	0.	0.955916
216.0	0.974182	0.062989	0.004950	0.000322	0.	0.979466
240.0	0.991503	0.046328	0.005038	0.000237	0.	0.996788
264.0	1.004243	0.034075	0.005104	0.000174	0.	1.009527

SATURATED PROMETHIUM 1.039669
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	420.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.026919	0.974725	0.000108	0.004832	0.005746	0.032203
4.0	0.053157	0.950089	0.000239	0.004738	0.000033	0.058442
6.0	0.078732	0.926075	0.000366	0.004618	0.000000	0.084017
8.0	0.103661	0.902668	0.000491	0.004501	0.000000	0.108945
12.0	0.151644	0.857615	0.000730	0.004277	0.000000	0.156928
16.0	0.197232	0.814810	0.000957	0.004063	0.000000	0.202517
20.0	0.240545	0.774142	0.001173	0.003860	0.000000	0.245829
24.0	0.281696	0.735503	0.001378	0.003668	0.000000	0.286980
30.0	0.339604	0.681131	0.001667	0.003397	0.000000	0.344888
36.0	0.393231	0.630779	0.001935	0.003145	0.	0.398515
42.0	0.442893	0.584149	0.002182	0.002913	0.	0.448178
48.0	0.488884	0.540965	0.002412	0.002698	0.	0.494169
60.0	0.570918	0.463940	0.002821	0.002313	0.	0.576203
72.0	0.641272	0.397882	0.003171	0.001984	0.	0.646557
84.0	0.701608	0.341230	0.003472	0.001702	0.	0.706893
96.0	0.753354	0.292644	0.003730	0.001459	0.	0.758638
120.0	0.835790	0.215240	0.004141	0.001073	0.	0.841075
144.0	0.896423	0.158310	0.004444	0.000789	0.	0.901707
168.0	0.941018	0.116438	0.004666	0.000581	0.	0.946302
192.0	0.973818	0.085640	0.004830	0.000427	0.	0.979102
216.0	0.997942	0.062989	0.004950	0.000314	0.	1.003227
240.0	1.015686	0.046328	0.005038	0.000231	0.	1.020971
264.0	1.028737	0.034075	0.005104	0.000170	0.	1.034021

SATURATED PROMETHIUM 1.065027
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	430.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.027560	0.974725	0.000109	0.004722	0.005081	0.032844
4.0	0.054423	0.950089	0.000239	0.004627	0.000026	0.059707
6.0	0.080607	0.926075	0.000367	0.004510	0.000000	0.085891
8.0	0.106129	0.902668	0.000491	0.004396	0.000000	0.111413
12.0	0.155254	0.857615	0.000730	0.004177	0.000000	0.160539
16.0	0.201928	0.814810	0.000958	0.003968	0.000000	0.207213
20.0	0.246272	0.774142	0.001174	0.003770	0.000000	0.251557
24.0	0.288403	0.735503	0.001379	0.003582	0.000000	0.293688
30.0	0.347689	0.681131	0.001668	0.003317	0.000000	0.332974
36.0	0.402593	0.630779	0.001935	0.003072	0.	0.407878
42.0	0.453438	0.584149	0.002183	0.002845	0.	0.458723
48.0	0.500524	0.540965	0.002412	0.002635	0.	0.505809
60.0	0.584512	0.463940	0.002821	0.002259	0.	0.589796
72.0	0.656540	0.397882	0.003172	0.001938	0.	0.661825
84.0	0.718313	0.341230	0.003473	0.001662	0.	0.723598
96.0	0.771291	0.292644	0.003731	0.001425	0.	0.776575
120.0	0.855690	0.215240	0.004142	0.001048	0.	0.860975
144.0	0.917766	0.158310	0.004444	0.000771	0.	0.923051
168.0	0.963423	0.116438	0.004666	0.000567	0.	0.968708
192.0	0.997004	0.085640	0.004830	0.000417	0.	1.002289
216.0	1.021703	0.062989	0.004950	0.000307	0.	1.026987
240.0	1.039869	0.046328	0.005039	0.000226	0.	1.045154
264.0	1.053230	0.034075	0.005104	0.000166	0.	1.058515

SATURATED PROMETHIUM 1.090385
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	440.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.028200	0.974725	0.000109	0.004617	0.004494	0.033485
4.0	0.055688	0.950089	0.000240	0.004521	0.000020	0.060973
6.0	0.082481	0.926075	0.000367	0.004407	0.000000	0.087766
8.0	0.108597	0.902668	0.000492	0.004296	0.000000	0.113882
12.0	0.158865	0.857615	0.000731	0.004081	0.000000	0.164150
16.0	0.206624	0.814810	0.000958	0.003878	0.000000	0.211909
20.0	0.251999	0.774142	0.001174	0.003684	0.000000	0.257284
24.0	0.295110	0.735503	0.001379	0.003500	0.000000	0.300395
30.0	0.355775	0.681131	0.001668	0.003241	0.000000	0.361060
36.0	0.411956	0.630779	0.001935	0.003002	0.	0.417240
42.0	0.463983	0.584149	0.002183	0.002780	0.	0.469268
48.0	0.512164	0.540965	0.002412	0.002574	0.	0.517449
60.0	0.598105	0.463940	0.002821	0.002208	0.	0.603390
72.0	0.671809	0.397882	0.003172	0.001893	0.	0.677093
84.0	0.735018	0.341230	0.003473	0.001624	0.	0.740303
96.0	0.789228	0.292644	0.003731	0.001393	0.	0.794512
120.0	0.875590	0.215240	0.004142	0.001024	0.	0.880874
144.0	0.939109	0.158310	0.004444	0.000753	0.	0.944394
168.0	0.985828	0.116438	0.004666	0.000554	0.	0.991113
192.0	1.020190	0.085640	0.004830	0.000408	0.	1.025475
216.0	1.045463	0.062989	0.004950	0.000300	0.	1.050748
240.0	1.064052	0.046328	0.005039	0.000220	0.	1.069337
264.0	1.077724	0.034075	0.005104	0.000162	0.	1.083009

SATURATED PROMETHIUM 1.115743
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	450.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.028841	0.974725	0.000110	0.004517	0.003975	0.034126
4.0	0.056954	0.950089	0.000240	0.004420	0.000016	0.062238
6.0	0.084356	0.926075	0.000368	0.004309	0.000000	0.089640
8.0	0.111065	0.902668	0.000492	0.004200	0.000000	0.116350
12.0	0.162476	0.857615	0.000731	0.003990	0.000000	0.167760
16.0	0.211320	0.814810	0.000959	0.003791	0.000000	0.216605
20.0	0.257727	0.774142	0.001175	0.003602	0.000000	0.263011
24.0	0.301817	0.735503	0.001380	0.003422	0.000000	0.307102
30.0	0.363861	0.681131	0.001668	0.003169	0.000000	0.369146
36.0	0.421318	0.630779	0.001936	0.002935	0.	0.426603
42.0	0.474528	0.584149	0.002183	0.002718	0.	0.479813
48.0	0.523805	0.540965	0.002412	0.002517	0.	0.529089
60.0	0.611698	0.463940	0.002821	0.002159	0.	0.616983
72.0	0.687077	0.397882	0.003172	0.001851	0.	0.692362
84.0	0.751723	0.341230	0.003473	0.001588	0.	0.757008
96.0	0.807165	0.292644	0.003731	0.001362	0.	0.812449
120.0	0.895490	0.215240	0.004142	0.001001	0.	0.900774
144.0	0.960453	0.158310	0.004444	0.000737	0.	0.965737
168.0	1.008233	0.116438	0.004666	0.000542	0.	1.013518
192.0	1.043376	0.085640	0.004830	0.000398	0.	1.048661
216.0	1.069224	0.062989	0.004950	0.000293	0.	1.074509
240.0	1.088235	0.046328	0.005039	0.000216	0.	1.093520
264.0	1.102218	0.034075	0.005104	0.000159	0.	1.107502

SATURATED PROMETHIUM 1.141100
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	460.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.029482	0.974725	0.000110	0.004420	0.003515	0.034767
4.0	0.058220	0.950089	0.000241	0.004324	0.000012	0.063504
6.0	0.086230	0.926075	0.000368	0.004215	0.000000	0.091515
8.0	0.113533	0.902668	0.000493	0.004108	0.000000	0.118818
12.0	0.166086	0.857615	0.000732	0.003903	0.000000	0.171371
16.0	0.216016	0.814810	0.000959	0.003708	0.000000	0.221301
20.0	0.263454	0.774142	0.001175	0.003523	0.000000	0.268738
24.0	0.308524	0.735503	0.001380	0.003347	0.000000	0.313809
30.0	0.371947	0.681131	0.001669	0.003100	0.000000	0.377231
36.0	0.430681	0.630779	0.001936	0.002871	0.	0.435966
42.0	0.485073	0.584149	0.002184	0.002658	0.	0.490358
48.0	0.535445	0.540965	0.002413	0.002462	0.	0.540729
60.0	0.625292	0.463940	0.002822	0.002111	0.	0.630576
72.0	0.702346	0.397882	0.003173	0.001811	0.	0.707630
84.0	0.768428	0.341230	0.003473	0.001553	0.	0.773713
96.0	0.825102	0.292644	0.003731	0.001332	0.	0.830386
120.0	0.915389	0.215240	0.004142	0.000980	0.	0.920674
144.0	0.981796	0.158310	0.004444	0.000720	0.	0.987081
168.0	1.030639	0.116438	0.004666	0.000530	0.	1.035923
192.0	1.066562	0.085640	0.004830	0.000390	0.	1.071847
216.0	1.092985	0.062989	0.004950	0.000287	0.	1.098269
240.0	1.112418	0.046328	0.005039	0.000211	0.	1.117703
264.0	1.126712	0.034075	0.005104	0.000155	0.	1.131996

SATURATED PROMETHIUM 1.166458
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	470.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.030123	0.974725	0.000111	0.004327	0.003109	0.035408
4.0	0.059485	0.950089	0.000241	0.004231	0.000010	0.064770
6.0	0.088105	0.926075	0.000369	0.004125	0.000000	0.093389
8.0	0.116001	0.902668	0.000493	0.004020	0.000000	0.121286
12.0	0.169697	0.857615	0.000732	0.003820	0.000000	0.174981
16.0	0.220712	0.814810	0.000959	0.003629	0.000000	0.225997
20.0	0.269181	0.774142	0.001175	0.003448	0.000000	0.274466
24.0	0.315231	0.735503	0.001380	0.003276	0.000000	0.320516
30.0	0.380033	0.681131	0.001669	0.003034	0.000000	0.385317
36.0	0.440044	0.630779	0.001936	0.002809	0.	0.445328
42.0	0.495618	0.584149	0.002184	0.002602	0.	0.500903
48.0	0.547085	0.540965	0.002413	0.002409	0.	0.552369
60.0	0.638885	0.463940	0.002822	0.002066	0.	0.644169
72.0	0.717614	0.397882	0.003173	0.001772	0.	0.722899
84.0	0.785133	0.341230	0.003473	0.001520	0.	0.790418
96.0	0.843039	0.292644	0.003731	0.001303	0.	0.848323
120.0	0.935289	0.215240	0.004142	0.000959	0.	0.940574
144.0	1.003140	0.158310	0.004444	0.000705	0.	1.008624
168.0	1.053044	0.116438	0.004666	0.000519	0.	1.058328
192.0	1.089749	0.085640	0.004830	0.000381	0.	1.095033
216.0	1.116745	0.062989	0.004950	0.000281	0.	1.122030
240.0	1.136601	0.046328	0.005039	0.000206	0.	1.141886
264.0	1.151205	0.034075	0.005104	0.000152	0.	1.156490

SATURATED PROMETHIUM 1.191816
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	480.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.030764	0.974725	0.000111	0.004238	0.002749	0.036049
4.0	0.060751	0.950089	0.000242	0.004143	0.000008	0.066035
6.0	0.089979	0.926075	0.000369	0.004038	0.000000	0.095264
8.0	0.118469	0.902668	0.000494	0.003936	0.000000	0.123754
12.0	0.173307	0.857615	0.000733	0.003740	0.000000	0.178592
16.0	0.225408	0.814810	0.000960	0.003553	0.000000	0.230693
20.0	0.274908	0.774142	0.001176	0.003376	0.000000	0.280193
24.0	0.321938	0.735503	0.001381	0.003207	0.000000	0.327223
30.0	0.388118	0.681131	0.001669	0.002970	0.	0.393403
36.0	0.449406	0.630779	0.001937	0.002751	0.	0.454691
42.0	0.506164	0.584149	0.002184	0.002547	0.	0.511448
48.0	0.558725	0.540965	0.002413	0.002359	0.	0.564009
60.0	0.652478	0.463940	0.002822	0.002023	0.	0.657763
72.0	0.732882	0.397882	0.003173	0.001735	0.	0.738167
84.0	0.801838	0.341230	0.003473	0.001488	0.	0.807123
96.0	0.860976	0.292644	0.003731	0.001276	0.	0.866260
120.0	0.955189	0.215240	0.004142	0.000939	0.	0.960473
144.0	1.024483	0.158310	0.004444	0.000690	0.	1.029768
168.0	1.075449	0.116438	0.004667	0.000508	0.	1.080734
192.0	1.112935	0.085640	0.004830	0.000373	0.	1.118219
216.0	1.140506	0.062989	0.004950	0.000275	0.	1.145790
240.0	1.160784	0.046328	0.005039	0.000202	0.	1.166069
264.0	1.175699	0.034075	0.005104	0.000149	0.	1.180984

SATURATED PROMETHIUM 1.217174
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	490.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.031405	0.974725	0.000112	0.004153	0.002432	0.036690
4.0	0.062016	0.950089	0.000242	0.004058	0.000006	0.067301
6.0	0.091854	0.926075	0.000370	0.003955	0.000000	0.097139
8.0	0.120938	0.902668	0.000494	0.003855	0.000000	0.126222
12.0	0.176918	0.857615	0.000733	0.003663	0.000000	0.182202
16.0	0.230104	0.814810	0.000960	0.003480	0.000000	0.235389
20.0	0.280636	0.774142	0.001176	0.003307	0.000000	0.285920
24.0	0.328645	0.735503	0.001381	0.003141	0.000000	0.333930
30.0	0.396204	0.681131	0.001670	0.002909	0.	0.401489
36.0	0.458769	0.630779	0.001937	0.002694	0.	0.464054
42.0	0.516709	0.584149	0.002184	0.002495	0.	0.521993
48.0	0.570365	0.540965	0.002414	0.002311	0.	0.575650
60.0	0.666071	0.463940	0.002822	0.001982	0.	0.671356
72.0	0.748151	0.397882	0.003173	0.001699	0.	0.753435
84.0	0.818543	0.341230	0.003474	0.001457	0.	0.823828
96.0	0.878913	0.292644	0.003731	0.001250	0.	0.884197
120.0	0.975089	0.215240	0.004142	0.000919	0.	0.980373
144.0	1.045826	0.158310	0.004444	0.000676	0.	1.051111
168.0	1.097854	0.116438	0.004667	0.000497	0.	1.103139
192.0	1.136121	0.085640	0.004830	0.000366	0.	1.141405
216.0	1.164266	0.062989	0.004950	0.000269	0.	1.169551
240.0	1.184967	0.046328	0.005039	0.000198	0.	1.190252
264.0	1.200193	0.034075	0.005104	0.000146	0.	1.205477

SATURATED PROMETHIUM 1.242532
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG 500.00		E	SHUTDOWN TRANSIENT
	A	B	C	SAMARIUM D		
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.032046	0.974725	0.000112	0.004071	0.002151	0.037331
4.0	0.063282	0.950089	0.000243	0.003977	0.000005	0.068567
6.0	0.093729	0.926075	0.000370	0.003876	0.000000	0.099013
8.0	0.123406	0.902668	0.000494	0.003778	0.000000	0.128690
12.0	0.180528	0.857615	0.000733	0.003589	0.000000	0.185813
16.0	0.234800	0.814810	0.000961	0.003410	0.000000	0.240085
20.0	0.286363	0.774142	0.001176	0.003240	0.000000	0.291648
24.0	0.335352	0.735503	0.001381	0.003078	0.000000	0.340637
30.0	0.404290	0.681131	0.001670	0.002851	0.	0.409575
36.0	0.468132	0.630779	0.001937	0.002640	0.	0.473416
42.0	0.527254	0.584149	0.002185	0.002445	0.	0.532538
48.0	0.582005	0.540965	0.002414	0.002264	0.	0.587290
60.0	0.679665	0.463940	0.002823	0.001942	0.	0.684949
72.0	0.763419	0.397882	0.003173	0.001665	0.	0.768704
84.0	0.835248	0.341230	0.003474	0.001428	0.	0.840533
96.0	0.896850	0.292644	0.003732	0.001225	0.	0.902134
120.0	0.994988	0.215240	0.004142	0.000901	0.	1.000273
144.0	1.067170	0.158310	0.004444	0.000663	0.	1.072454
168.0	1.120259	0.116438	0.004667	0.000487	0.	1.125544
192.0	1.159307	0.085640	0.004830	0.000358	0.	1.164592
216.0	1.188027	0.062989	0.004950	0.000264	0.	1.193311
240.0	1.209150	0.046328	0.005039	0.000194	0.	1.214435
264.0	1.224686	0.034075	0.005104	0.000143	0.	1.229971

SATURATED PROMETHIUM 1.267889
 SATURATED SAMARIUM 0.005285

		INITIAL MW/KG 0.					
		POWER REDUCTION, PERCENT					
		5.	10.	20.	50.	75.	100.
TIME							
0 SEC	0.	0.	0.	0.	0.	0.	0.
5 SEC	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10 SEC	-0.	-0.	-0.	-0.	-0.	-0.	-0.
30 SEC	-0.	-0.	-0.	-0.	-0.	-0.	-0.
60 SEC	-0.	-0.	-0.	-0.	-0.	-0.	-0.
2 MIN	-0.	-0.	-0.	-0.	-0.	-0.	-0.
5 MIN	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10 MIN	-0.	-0.	-0.	-0.	-0.	-0.	-0.
30 MIN	-0.	-0.	-0.	-0.	-0.	-0.	-0.
60 MIN	-0.	-0.	-0.	-0.	-0.	-0.	-0.
2 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
4 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
8 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
12 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
24 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
36 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
48 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
60 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
72 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
84 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
96 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
108 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
120 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
132 HR	-0.	-0.	-0.	-0.	-0.	-0.	-0.
SAT I	0.	0.	0.	0.	0.	0.	0.
SAT X	0.	0.	0.	0.	0.	0.	0.
		SAT IODINE BEFORE POWER CHANGE 0.					
		SAT XENON BEFORE POWER CHANGE 0.					

		INITIAL MW/KG 0.10					
		POWER REDUCTION, PERCENT					
		5.	10.	20.	50.	75.	100.
TIME							
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
10 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
30 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
60 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
2 MIN	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
5 MIN	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
10 MIN	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001	-0.00002	-0.00002
30 MIN	-0.00000	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00006
60 MIN	-0.00000	-0.00001	-0.00002	-0.00002	-0.00005	-0.00007	-0.00010
2 HR	-0.00001	-0.00001	-0.00003	-0.00003	-0.00007	-0.00010	-0.00013
4 HR	-0.00000	-0.00000	-0.00001	-0.00003	-0.00004	-0.00004	-0.00005
8 HR	0.00002	0.00005	0.00010	0.00024	0.00036	0.00049	0.00063
12 HR	0.00006	0.00012	0.00024	0.00061	0.00094	0.00127	0.00160
24 HR	0.00015	0.00031	0.00063	0.00165	0.00258	0.00358	0.00456
36 HR	0.00021	0.00042	0.00085	0.00225	0.00357	0.00503	0.00636
48 HR	0.00023	0.00046	0.00094	0.00253	0.00404	0.00576	0.00710
60 HR	0.00024	0.00048	0.00098	0.00264	0.00425	0.00610	0.00763
72 HR	0.00024	0.00048	0.00099	0.00269	0.00434	0.00625	0.00780
84 HR	0.00024	0.00049	0.00100	0.00271	0.00438	0.00632	0.00790
96 HR	0.00024	0.00049	0.00100	0.00271	0.00439	0.00634	0.00791
108 HR	0.00024	0.00049	0.00100	0.00272	0.00439	0.00635	0.00792
120 HR	0.00024	0.00049	0.00100	0.00272	0.00440	0.00636	0.00793
132 HR	0.00024	0.00049	0.00100	0.00272	0.00440	0.00636	0.00793
SAT I	0.00560	0.00530	0.00471	0.00295	0.00147	0.	0.
SAT X	0.00612	0.00588	0.00536	0.00364	0.00197	0.	0.
		SAT IODINE BEFORE POWER CHANGE 0.00589					
		SAT XENON BEFORE POWER CHANGE 0.00636					

INITIAL MW/KG 0.20

		POWER REDUCTION, PERCENT					
		5.	10.	20.	50.	75.	100.
TIME							
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
10 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
30 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
60 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
2 MIN	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002	-0.00002
5 MIN	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003	-0.00004	-0.00005
10 MIN	-0.00000	-0.00001	-0.00001	-0.00004	-0.00006	-0.00007	-0.00007
30 MIN	-0.00001	-0.00002	-0.00004	-0.00010	-0.00016	-0.00021	-0.00021
60 MIN	-0.00002	-0.00004	-0.00007	-0.00019	-0.00028	-0.00038	-0.00038
2 HR	-0.00003	-0.00006	-0.00012	-0.00030	-0.00046	-0.00063	-0.00063
4 HR	-0.00003	-0.00007	-0.00014	-0.00037	-0.00057	-0.00078	-0.00078
8 HR	-0.00000	-0.00001	-0.00002	-0.00006	-0.00012	-0.00020	-0.00020
12 HR	0.00005	0.00010	0.00020	0.00051	0.00076	0.00100	0.00100
24 HR	0.00020	0.00040	0.00081	0.00219	0.00351	0.00500	0.00500
36 HR	0.00027	0.00054	0.00112	0.00313	0.00517	0.00764	0.00764
48 HR	0.00029	0.00060	0.00125	0.00354	0.00596	0.00901	0.00901
60 HR	0.00030	0.00062	0.00129	0.00370	0.00629	0.00965	0.00965
72 HR	0.00031	0.00063	0.00131	0.00375	0.00642	0.00994	0.00994
84 HR	0.00031	0.00063	0.00131	0.00377	0.00647	0.01006	0.01006
96 HR	0.00031	0.00063	0.00131	0.00378	0.00649	0.01011	0.01011
108 HR	0.00031	0.00063	0.00131	0.00378	0.00650	0.01012	0.01012
120 HR	0.00031	0.00063	0.00131	0.00378	0.00650	0.01014	0.01014
132 HR	0.00031	0.00063	0.00131	0.00378	0.00650	0.01015	0.01015
SAT I	0.01120	0.01061	0.00943	0.00589	0.00295	0.	0.
SAT X	0.00984	0.00952	0.00883	0.00636	0.00364	0.	0.
		SAT IODINE BEFORE POWER CHANGE 0.01179					
		SAT XENON BEFORE POWER CHANGE 0.01015					

INITIAL MW/KG 0.30

		POWER REDUCTION, PERCENT					
		5.	10.	20.	50.	75.	100.
TIME							
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
10 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
30 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
60 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001	-0.00001
2 MIN	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001	-0.00002	-0.00002
5 MIN	-0.00000	-0.00001	-0.00001	-0.00001	-0.00004	-0.00005	-0.00007
10 MIN	-0.00001	-0.00001	-0.00001	-0.00003	-0.00007	-0.00011	-0.00014
30 MIN	-0.00002	-0.00004	-0.00008	-0.00020	-0.00031	-0.00041	-0.00041
60 MIN	-0.00004	-0.00007	-0.00015	-0.00037	-0.00056	-0.00076	-0.00076
2 HR	-0.00006	-0.00012	-0.00024	-0.00062	-0.00095	-0.00130	-0.00130
4 HR	-0.00008	-0.00016	-0.00032	-0.00084	-0.00132	-0.00184	-0.00184
8 HR	-0.00005	-0.00009	-0.00020	-0.00057	-0.00097	-0.00145	-0.00145
12 HR	0.00002	0.00004	0.00008	0.00013	0.00011	0.00002	0.00002
24 HR	0.00020	0.00041	0.00084	0.00229	0.00372	0.00535	0.00535
36 HR	0.00028	0.00057	0.00120	0.00346	0.00591	0.00907	0.00907
48 HR	0.00031	0.00063	0.00133	0.00393	0.00691	0.01102	0.01102
60 HR	0.00032	0.00065	0.00137	0.00410	0.00732	0.01194	0.01194
72 HR	0.00032	0.00066	0.00139	0.00416	0.00747	0.01235	0.01235
84 HR	0.00032	0.00066	0.00139	0.00418	0.00753	0.01253	0.01253
96 HR	0.00032	0.00066	0.00139	0.00419	0.00755	0.01260	0.01260
108 HR	0.00032	0.00066	0.00139	0.00419	0.00755	0.01262	0.01262
120 HR	0.00032	0.00066	0.00139	0.00419	0.00756	0.01265	0.01265
132 HR	0.00032	0.00066	0.00139	0.00419	0.00756	0.01265	0.01265
SAT I	0.01679	0.01591	0.01414	0.00884	0.00442	0.	0.
SAT X	0.01234	0.01200	0.01126	0.00847	0.00510	0.	0.
		SAT IODINE BEFORE POWER CHANGE 0.01768					
		SAT XENON BEFORE POWER CHANGE 0.01266					

	INITIAL	44/KG	0.50	
		POWER REDUCTION,	PERCENT	
		20.	50.	
				75.
				100.
TIME	-0.	-0.	-0.	-0.
0 SEC	-0.00000	-0.00000	-0.00000	-0.00000
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000
10 SEC	-0.00000	-0.00000	-0.00000	-0.00000
30 SEC	-0.00000	-0.00000	-0.00000	-0.00000
60 SEC	-0.00000	-0.00000	-0.00002	-0.00002
2 MIN	-0.00000	-0.00001	-0.00002	-0.00002
5 MIN	-0.00001	-0.00001	-0.00003	-0.00003
10 MIN	-0.00002	-0.00003	-0.00006	-0.00012
30 MIN	-0.00004	-0.00007	-0.00017	-0.00035
60 MIN	-0.00008	-0.00016	-0.00036	-0.00072
2 HR	-0.00013	-0.00026	-0.00052	-0.00102
4 HR	-0.00014	-0.00028	-0.00059	-0.00117
8 HR	-0.00014	-0.00028	-0.00059	-0.00117
12 HR	-0.00004	-0.00006	-0.00022	-0.00063
24 HR	0.00018	0.00036	0.00075	0.00207
36 HR	0.00026	0.00054	0.00115	0.00349
48 HR	0.00029	0.00056	0.00128	0.00381
60 HR	0.00030	0.00056	0.00133	0.00418
72 HR	0.00030	0.00056	0.00133	0.00425
84 HR	0.00030	0.00056	0.00133	0.00425
96 HR	0.00030	0.00062	0.00134	0.00426
108 HR	0.00030	0.00062	0.00134	0.00426
120 HR	0.00030	0.00062	0.00134	0.00426
132 HR	0.00030	0.00062	0.00134	0.00426
SAT I	0.02799	0.02652	0.02357	0.01473
SAT X	0.01548	0.01516	0.01444	0.01152
				0.00737
				0.
				0.02946
				0.01578

[illegible]

INITIAL MW/KG 0.80

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
10 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001
30 SEC	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002	-0.00003
60 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00006
2 MIN	-0.00001	-0.00001	-0.00002	-0.00006	-0.00009	-0.00012
5 MIN	-0.00001	-0.00003	-0.00006	-0.00014	-0.00022	-0.00029
10 MIN	-0.00003	-0.00006	-0.00011	-0.00028	-0.00043	-0.00057
30 MIN	-0.00008	-0.00016	-0.00032	-0.00081	-0.00123	-0.00166
60 MIN	-0.00014	-0.00029	-0.00058	-0.00149	-0.00230	-0.00314
2 HR	-0.00023	-0.00047	-0.00095	-0.00253	-0.00400	-0.00562
4 HR	-0.00030	-0.00062	-0.00128	-0.00361	-0.00601	-0.00892
8 HR	-0.00025	-0.00051	-0.00110	-0.00349	-0.00649	-0.01086
12 HR	-0.00012	-0.00026	-0.00058	-0.00217	-0.00470	-0.00924
24 HR	0.00014	0.00028	0.00057	0.00155	0.00217	0.00136
36 HR	0.00022	0.00046	0.00098	0.00314	0.00594	0.00978
48 HR	0.00025	0.00051	0.00110	0.00366	0.00742	0.01438
60 HR	0.00025	0.00052	0.00114	0.00381	0.00793	0.01659
72 HR	0.00025	0.00053	0.00115	0.00386	0.00810	0.01758
84 HR	0.00025	0.00053	0.00115	0.00387	0.00815	0.01801
96 HR	0.00026	0.00053	0.00115	0.00388	0.00816	0.01819
108 HR	0.00026	0.00053	0.00115	0.00388	0.00817	0.01822
120 HR	0.00026	0.00053	0.00115	0.00388	0.00817	0.01830
132 HR	0.00026	0.00053	0.00115	0.00388	0.00817	0.01831
SAT I	0.04479	0.04243	0.03771	0.02357	0.01179	0.
SAT X	0.01806	0.01779	0.01717	0.01444	0.01015	0.

SAT IODINE BEFORE POWER CHANGE 0.04714
 SAT XENON BEFORE POWER CHANGE 0.01832

INITIAL MW/KG 1.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001
10 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
30 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003	-0.00004
60 SEC	-0.00000	-0.00001	-0.00002	-0.00004	-0.00006	-0.00008
2 MIN	-0.00001	-0.00002	-0.00003	-0.00008	-0.00012	-0.00015
5 MIN	-0.00002	-0.00004	-0.00008	-0.00019	-0.00029	-0.00038
10 MIN	-0.00004	-0.00007	-0.00015	-0.00038	-0.00057	-0.00076
30 MIN	-0.00010	-0.00021	-0.00042	-0.00107	-0.00163	-0.00221
60 MIN	-0.00019	-0.00037	-0.00076	-0.00196	-0.00304	-0.00419
2 HR	-0.00030	-0.00060	-0.00123	-0.00331	-0.00528	-0.00752
4 HR	-0.00038	-0.00077	-0.00161	-0.00466	-0.00793	-0.01207
8 HR	-0.00030	-0.00062	-0.00135	-0.00446	-0.00864	-0.01518
12 HR	-0.00015	-0.00033	-0.00075	-0.00288	-0.00651	-0.01365
24 HR	0.00011	0.00023	0.00047	0.00125	0.00144	-0.00126
36 HR	0.00019	0.00040	0.00087	0.00287	0.00557	0.00892
48 HR	0.00022	0.00046	0.00099	0.00337	0.00711	0.01453
60 HR	0.00023	0.00047	0.00103	0.00352	0.00761	0.01723
72 HR	0.00023	0.00047	0.00104	0.00356	0.00777	0.01845
84 HR	0.00023	0.00048	0.00104	0.00358	0.00782	0.01898
96 HR	0.00023	0.00048	0.00104	0.00358	0.00783	0.01920
108 HR	0.00023	0.00048	0.00104	0.00358	0.00784	0.01924
120 HR	0.00023	0.00048	0.00104	0.00358	0.00784	0.01933
132 HR	0.00023	0.00048	0.00104	0.00358	0.00784	0.01935
SAT I	0.05598	0.05304	0.04714	0.02946	0.01473	0.
SAT X	0.01913	0.01888	0.01832	0.01578	0.01152	0.

SAT IODINE BEFORE POWER CHANGE 0.05893
 SAT XENON BEFORE POWER CHANGE 0.01936

INITIAL MW/KG 0.90

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001
10 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
30 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003	-0.00003
60 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00005	-0.00007
2 MIN	-0.00001	-0.00001	-0.00003	-0.00007	-0.00010	-0.00014
5 MIN	-0.00002	-0.00003	-0.00007	-0.00017	-0.00025	-0.00034
10 MIN	-0.00003	-0.00007	-0.00013	-0.00033	-0.00050	-0.00067
30 MIN	-0.00009	-0.00018	-0.00037	-0.00094	-0.00143	-0.00193
60 MIN	-0.00016	-0.00033	-0.00067	-0.00173	-0.00267	-0.00366
2 HR	-0.00026	-0.00053	-0.00109	-0.00292	-0.00464	-0.00656
4 HR	-0.00034	-0.00070	-0.00145	-0.00415	-0.00698	-0.01048
8 HR	-0.00027	-0.00057	-0.00123	-0.00400	-0.00758	-0.01300
12 HR	-0.00014	-0.00029	-0.00067	-0.00255	-0.00563	-0.01142
24 HR	0.00012	0.00025	0.00052	0.00139	0.00179	0.00009
36 HR	0.00021	0.00043	0.00083	0.00300	0.00576	0.00939
48 HR	0.00023	0.00048	0.00105	0.00351	0.00727	0.01450
60 HR	0.00024	0.00050	0.00108	0.00366	0.00773	0.01695
72 HR	0.00024	0.00050	0.00109	0.00371	0.00795	0.01806
84 HR	0.00024	0.00050	0.00109	0.00372	0.00800	0.01853
96 HR	0.00024	0.00050	0.00109	0.00373	0.00801	0.01874
108 HR	0.00024	0.00050	0.00109	0.00373	0.00801	0.01877
120 HR	0.00024	0.00050	0.00109	0.00373	0.00802	0.01886
132 HR	0.00024	0.00050	0.00109	0.00373	0.00802	0.01887
SAT I	0.05038	0.04773	0.04243	0.02652	0.01326	0.
SAT X	0.01864	0.01838	0.01779	0.01516	0.01067	0.

SAT IODINE BEFORE POWER CHANGE 0.05304
 SAT XENON BEFORE POWER CHANGE 0.01888

INITIAL MW/KG 1.10

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001
10 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
30 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003	-0.00004
60 SEC	-0.00000	-0.00001	-0.00002	-0.00004	-0.00007	-0.00009
2 MIN	-0.00001	-0.00002	-0.00003	-0.00009	-0.00013	-0.00017
5 MIN	-0.00002	-0.00004	-0.00009	-0.00022	-0.00032	-0.00043
10 MIN	-0.00004	-0.00008	-0.00017	-0.00042	-0.00064	-0.00086
30 MIN	-0.00012	-0.00023	-0.00047	-0.00120	-0.00183	-0.00248
60 MIN	-0.00021	-0.00042	-0.00084	-0.00220	-0.00341	-0.00471
2 HR	-0.00033	-0.00066	-0.00136	-0.00368	-0.00592	-0.00848
4 HR	-0.00041	-0.00084	-0.00176	-0.00516	-0.00888	-0.01367
8 HR	-0.00032	-0.00067	-0.00146	-0.00490	-0.00866	-0.01739
12 HR	-0.00017	-0.00036	-0.00082	-0.00319	-0.00735	-0.01593
24 HR	0.00010	0.00021	0.00043	0.00111	0.00111	-0.00266
36 HR	0.00018	0.00038	0.00083	0.00274	0.00538	0.00839
48 HR	0.00021	0.00043	0.00094	0.00323	0.00693	0.01450
60 HR	0.00021	0.00045	0.00098	0.00338	0.00743	0.01744
72 HR	0.00022	0.00045	0.00098	0.00342	0.00759	0.01877
84 HR	0.00022	0.00045	0.00099	0.00343	0.00763	0.01935
96 HR	0.00022	0.00045	0.00099	0.00344	0.00765	0.01959
108 HR	0.00022	0.00045	0.00099	0.00344	0.00765	0.01964
120 HR	0.00022	0.00045	0.00099	0.00344	0.00765	0.01974
132 HR	0.00022	0.00045	0.00099	0.00344	0.00765	0.01975
SAT I	0.06158	0.05834	0.05186	0.03241	0.01621	0.
SAT X	0.01955	0.01931	0.01878	0.01633	0.01211	0.

SAT IODINE BEFORE POWER CHANGE 0.06482
 SAT XENON BEFORE POWER CHANGE 0.01977

INITIAL MW/KG 1.20

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001
10 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002
30 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00004	-0.00005
60 SEC	-0.00000	-0.00001	-0.00002	-0.00005	-0.00007	-0.00010
2 MIN	-0.00001	-0.00002	-0.00004	-0.00010	-0.00014	-0.00019
5 MIN	-0.00002	-0.00005	-0.00010	-0.00024	-0.00036	-0.00048
10 MIN	-0.00005	-0.00009	-0.00019	-0.00047	-0.00071	-0.00095
30 MIN	-0.00013	-0.00026	-0.00052	-0.00133	-0.00203	-0.00276
60 MIN	-0.00023	-0.00046	-0.00093	-0.00243	-0.00379	-0.00525
2 HR	-0.00036	-0.00072	-0.00149	-0.00406	-0.00656	-0.00945
4 HR	-0.00044	-0.00090	-0.00190	-0.00563	-0.00980	-0.01529
8 HR	-0.00034	-0.00071	-0.00155	-0.00530	-0.01065	-0.01963
12 HR	-0.00018	-0.00038	-0.00087	-0.00345	-0.00814	-0.01824
24 HR	0.00009	0.00019	0.00039	0.00099	0.00280	-0.00411
36 HR	0.00017	0.00036	0.00078	0.00261	0.00520	0.00780
48 HR	0.00020	0.00041	0.00090	0.00310	0.00675	0.01441
60 HR	0.00020	0.00042	0.00093	0.00325	0.00725	0.01760
72 HR	0.00021	0.00043	0.00094	0.00329	0.00740	0.01904
84 HR	0.00021	0.00043	0.00094	0.00330	0.00744	0.01966
96 HR	0.00021	0.00043	0.00094	0.00330	0.00746	0.01993
108 HR	0.00021	0.00043	0.00094	0.00330	0.00746	0.01998
120 HR	0.00021	0.00043	0.00094	0.00330	0.00746	0.02009
132 HR	0.00021	0.00043	0.00094	0.00330	0.00746	0.02011
SAT I	0.06718	0.06364	0.05657	0.03536	0.01768	0.
SAT X	0.01991	0.01969	0.01918	0.01681	0.01266	0.

SAT IODINE BEFORE POWER CHANGE 0.07071
 SAT XENON BEFORE POWER CHANGE 0.02012

INITIAL MW/KG 1.40

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001
10 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002
30 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00006
60 SEC	-0.00001	-0.00001	-0.00002	-0.00006	-0.00009	-0.00012
2 MIN	-0.00001	-0.00002	-0.00005	-0.00012	-0.00017	-0.00023
5 MIN	-0.00003	-0.00006	-0.00011	-0.00029	-0.00043	-0.00058
10 MIN	-0.00006	-0.00011	-0.00022	-0.00057	-0.00085	-0.00115
30 MIN	-0.00015	-0.00031	-0.00062	-0.00159	-0.00244	-0.00333
60 MIN	-0.00027	-0.00054	-0.00110	-0.00239	-0.00453	-0.00632
2 HR	-0.00041	-0.00084	-0.00173	-0.00478	-0.00783	-0.01142
4 HR	-0.00049	-0.00102	-0.00216	-0.00653	-0.01161	-0.01856
8 HR	-0.00037	-0.00077	-0.00171	-0.00600	-0.01250	-0.02415
12 HR	-0.00020	-0.00042	-0.00097	-0.00391	-0.00959	-0.02293
24 HR	0.00007	0.00015	0.00031	0.00077	0.00226	-0.00711
36 HR	0.00015	0.00032	0.00070	0.00238	0.00484	0.00651
48 HR	0.00018	0.00037	0.00081	0.00286	0.00640	0.01411
60 HR	0.00018	0.00039	0.00085	0.00300	0.00688	0.01779
72 HR	0.00019	0.00039	0.00086	0.00304	0.00702	0.01945
84 HR	0.00019	0.00039	0.00086	0.00305	0.00706	0.02018
96 HR	0.00019	0.00039	0.00086	0.00306	0.00708	0.02048
108 HR	0.00019	0.00039	0.00086	0.00306	0.00708	0.02054
120 HR	0.00019	0.00039	0.00086	0.00306	0.00708	0.02066
132 HR	0.00019	0.00039	0.00086	0.00306	0.00708	0.02069
SAT I	0.07837	0.07425	0.06600	0.04125	0.02062	0.
SAT X	0.02051	0.02031	0.01984	0.01764	0.01362	0.

SAT IODINE BEFORE POWER CHANGE 0.08250
 SAT XENON BEFORE POWER CHANGE 0.02070

INITIAL MW/KG 1.30

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001
10 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002
30 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00005
60 SEC	-0.00001	-0.00001	-0.00002	-0.00005	-0.00008	-0.00011
2 MIN	-0.00001	-0.00002	-0.00004	-0.00011	-0.00016	-0.00021
5 MIN	-0.00003	-0.00005	-0.00010	-0.00026	-0.00040	-0.00053
10 MIN	-0.00005	-0.00010	-0.00021	-0.00052	-0.00078	-0.00105
30 MIN	-0.00014	-0.00028	-0.00057	-0.00146	-0.00224	-0.00304
60 MIN	-0.00025	-0.00050	-0.00101	-0.00266	-0.00416	-0.00578
2 HR	-0.00038	-0.00078	-0.00161	-0.00442	-0.00720	-0.01043
4 HR	-0.00047	-0.00096	-0.00204	-0.00609	-0.01072	-0.01692
8 HR	-0.00035	-0.00074	-0.00163	-0.00566	-0.01159	-0.02188
12 HR	-0.00019	-0.00040	-0.00092	-0.00369	-0.00889	-0.02057
24 HR	0.00008	0.00017	0.00035	0.00087	0.00252	-0.00560
36 HR	0.00016	0.00034	0.00074	0.00250	0.00502	0.00718
48 HR	0.00019	0.00039	0.00085	0.00298	0.00658	0.01428
60 HR	0.00019	0.00040	0.00089	0.00312	0.00706	0.01771
72 HR	0.00020	0.00041	0.00090	0.00316	0.00721	0.01926
84 HR	0.00020	0.00041	0.00090	0.00317	0.00725	0.01994
96 HR	0.00020	0.00041	0.00090	0.00318	0.00727	0.02022
108 HR	0.00020	0.00041	0.00090	0.00318	0.00727	0.02028
120 HR	0.00020	0.00041	0.00090	0.00318	0.00727	0.02039
132 HR	0.00020	0.00041	0.00090	0.00318	0.00727	0.02041
SAT I	0.07278	0.06893	0.06129	0.03830	0.01915	0.
SAT X	0.02023	0.02002	0.01953	0.01725	0.01316	0.

SAT IODINE BEFORE POWER CHANGE 0.07661
 SAT XENON BEFORE POWER CHANGE 0.02043

INITIAL MW/KG 1.50

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
10 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00002	-0.00002
30 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00005	-0.00006
60 SEC	-0.00001	-0.00001	-0.00003	-0.00006	-0.00009	-0.00013
2 MIN	-0.00001	-0.00002	-0.00005	-0.00013	-0.00019	-0.00025
5 MIN	-0.00003	-0.00006	-0.00012	-0.00031	-0.00047	-0.00063
10 MIN	-0.00006	-0.00012	-0.00024	-0.00061	-0.00093	-0.00124
30 MIN	-0.00016	-0.00033	-0.00067	-0.00172	-0.00264	-0.00361
60 MIN	-0.00029	-0.00058	-0.00118	-0.00312	-0.00491	-0.00687
2 HR	-0.00044	-0.00089	-0.00184	-0.00513	-0.00845	-0.01241
4 HR	-0.00052	-0.00107	-0.00227	-0.00694	-0.01249	-0.02020
8 HR	-0.00038	-0.00080	-0.00177	-0.00631	-0.01337	-0.02644
12 HR	-0.00021	-0.00044	-0.00101	-0.00410	-0.01024	-0.02530
24 HR	0.00007	0.00014	0.00028	0.00067	0.00203	-0.00866
36 HR	0.00015	0.00031	0.00067	0.00228	0.00467	0.00583
48 HR	0.00017	0.00035	0.00078	0.00275	0.00622	0.01392
60 HR	0.00018	0.00037	0.00081	0.00289	0.00670	0.01784
72 HR	0.00018	0.00037	0.00082	0.00293	0.00684	0.01961
84 HR	0.00018	0.00037	0.00082	0.00294	0.00688	0.02038
96 HR	0.00018	0.00037	0.00082	0.00294	0.00689	0.02071
108 HR	0.00018	0.00037	0.00082	0.00295	0.00690	0.02077
120 HR	0.00018	0.00037	0.00082	0.00295	0.00690	0.02090
132 HR	0.00018	0.00037	0.00082	0.00295	0.00690	0.02093
SAT I	0.08397	0.07955	0.07071	0.04420	0.02210	0.
SAT X	0.02076	0.02057	0.02012	0.01800	0.01405	0.

SAT IODINE BEFORE POWER CHANGE 0.08839
 SAT XENON BEFORE POWER CHANGE 0.02094

INITIAL MW/KG 1.60

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
10 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00002	-0.00002
30 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00005	-0.00007
60 SEC	-0.00001	-0.00001	-0.00003	-0.00007	-0.00010	-0.00014
2 MIN	-0.00001	-0.00003	-0.00005	-0.00014	-0.00020	-0.00027
5 MIN	-0.00003	-0.00007	-0.00013	-0.00034	-0.00051	-0.00068
10 MIN	-0.00006	-0.00013	-0.00026	-0.00066	-0.00100	-0.00134
30 MIN	-0.00019	-0.00036	-0.00072	-0.00185	-0.00285	-0.00389
60 MIN	-0.00031	-0.00062	-0.00126	-0.00335	-0.00528	-0.00741
2 HR	-0.00046	-0.00094	-0.00195	-0.00548	-0.00907	-0.01340
4 HR	-0.00054	-0.00111	-0.00238	-0.00734	-0.01335	-0.02186
8 HR	-0.00039	-0.00082	-0.00183	-0.00659	-0.01420	-0.02874
12 HR	-0.00021	-0.00046	-0.00104	-0.00427	-0.01086	-0.02769
24 HR	0.00006	0.00012	0.00025	0.00058	-0.00019	-0.01022
36 HR	0.00014	0.00029	0.00063	0.00218	0.00451	0.00511
48 HR	0.00016	0.00034	0.00074	0.00265	0.00605	0.01370
60 HR	0.00017	0.00035	0.00078	0.00278	0.00652	0.01786
72 HR	0.00017	0.00036	0.00079	0.00282	0.00666	0.01974
84 HR	0.00017	0.00036	0.00079	0.00284	0.00670	0.02056
96 HR	0.00017	0.00036	0.00079	0.00284	0.00671	0.02091
108 HR	0.00017	0.00036	0.00079	0.00284	0.00671	0.02097
120 HR	0.00017	0.00036	0.00079	0.00284	0.00672	0.02112
132 HR	0.00017	0.00036	0.00079	0.00284	0.00672	0.02114
SAT I	0.08957	0.08485	0.07543	0.04714	0.02357	0.
SAT X	0.02099	0.02080	0.02037	0.01832	0.01444	0.

SAT IODINE BEFORE POWER CHANGE 0.09428
 SAT XENON BEFORE POWER CHANGE 0.02116

INITIAL MW/KG 1.80

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
10 SEC	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002	-0.00003
30 SEC	-0.00003	-0.00001	-0.00002	-0.00004	-0.00006	-0.00008
60 SEC	-0.00001	-0.00002	-0.00003	-0.00008	-0.00012	-0.00016
2 MIN	-0.00002	-0.00003	-0.00006	-0.00016	-0.00023	-0.00031
5 MIN	-0.00004	-0.00008	-0.00015	-0.00038	-0.00058	-0.00078
10 MIN	-0.00007	-0.00015	-0.00030	-0.00075	-0.00114	-0.00154
30 MIN	-0.00020	-0.00040	-0.00082	-0.00211	-0.00325	-0.00447
60 MIN	-0.00034	-0.00069	-0.00142	-0.00379	-0.00602	-0.00850
2 HR	-0.00051	-0.00104	-0.00216	-0.00614	-0.01029	-0.01539
4 HR	-0.00058	-0.00119	-0.00257	-0.00809	-0.01501	-0.02518
8 HR	-0.00041	-0.00086	-0.00192	-0.00708	-0.01575	-0.03336
12 HR	-0.00023	-0.00048	-0.00110	-0.00455	-0.01196	-0.03250
24 HR	0.00005	0.00009	0.00019	0.00041	-0.00058	-0.01340
36 HR	0.00013	0.00026	0.00058	0.00200	0.00420	0.00363
48 HR	0.00015	0.00031	0.00068	0.00246	0.00573	0.01320
60 HR	0.00016	0.00032	0.00072	0.00259	0.00619	0.01784
72 HR	0.00016	0.00033	0.00073	0.00263	0.00632	0.01995
84 HR	0.00016	0.00033	0.00073	0.00264	0.00636	0.02086
96 HR	0.00016	0.00033	0.00073	0.00265	0.00637	0.02125
108 HR	0.00016	0.00033	0.00073	0.00265	0.00637	0.02132
120 HR	0.00016	0.00033	0.00073	0.00265	0.00637	0.02148
132 HR	0.00016	0.00033	0.00073	0.00265	0.00637	0.02151
SAT I	0.10077	0.09546	0.08486	0.05304	0.02652	0.
SAT X	0.02137	0.02120	0.02080	0.01888	0.01516	0.

SAT IODINE BEFORE POWER CHANGE 0.10607
 SAT XENON BEFORE POWER CHANGE 0.02153

INITIAL MW/KG 1.70

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
10 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00002	-0.00002
30 SEC	-0.00000	-0.00001	-0.00001	-0.00004	-0.00005	-0.00007
60 SEC	-0.00001	-0.00001	-0.00003	-0.00007	-0.00011	-0.00015
2 MIN	-0.00001	-0.00003	-0.00006	-0.00015	-0.00022	-0.00029
5 MIN	-0.00004	-0.00007	-0.00014	-0.00036	-0.00054	-0.00073
10 MIN	-0.00007	-0.00014	-0.00028	-0.00071	-0.00107	-0.00144
30 MIN	-0.00019	-0.00038	-0.00077	-0.00198	-0.00305	-0.00418
60 MIN	-0.00033	-0.00066	-0.00134	-0.00357	-0.00565	-0.00795
2 HR	-0.00049	-0.00099	-0.00206	-0.00581	-0.00968	-0.01439
4 HR	-0.00056	-0.00115	-0.00247	-0.00773	-0.01418	-0.02352
8 HR	-0.00040	-0.00084	-0.00188	-0.00685	-0.01499	-0.03104
12 HR	-0.00022	-0.00047	-0.00107	-0.00442	-0.01143	-0.03009
24 HR	0.00005	0.00011	0.00022	0.00049	-0.00039	-0.01180
36 HR	0.00013	0.00028	0.00060	0.00209	0.00435	0.00438
48 HR	0.00015	0.00032	0.00071	0.00255	0.00589	0.01346
60 HR	0.00016	0.00034	0.00075	0.00269	0.00635	0.01786
72 HR	0.00016	0.00034	0.00075	0.00272	0.00649	0.01986
84 HR	0.00016	0.00034	0.00076	0.00274	0.00653	0.02072
96 HR	0.00016	0.00034	0.00076	0.00274	0.00654	0.02109
108 HR	0.00016	0.00034	0.00076	0.00274	0.00654	0.02116
120 HR	0.00016	0.00034	0.00076	0.00274	0.00654	0.02131
132 HR	0.00016	0.00034	0.00076	0.00274	0.00654	0.02134
SAT I	0.09517	0.09016	0.08014	0.05009	0.02504	0.
SAT X	0.02119	0.02101	0.02060	0.01861	0.01481	0.

SAT IODINE BEFORE POWER CHANGE 0.10018
 SAT XENON BEFORE POWER CHANGE 0.02135

INITIAL MW/KG 1.90

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
10 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003
30 SEC	-0.00000	-0.00001	-0.00002	-0.00004	-0.00006	-0.00008
60 SEC	-0.00001	-0.00002	-0.00003	-0.00008	-0.00012	-0.00017
2 MIN	-0.00002	-0.00003	-0.00007	-0.00017	-0.00025	-0.00033
5 MIN	-0.00004	-0.00008	-0.00016	-0.00041	-0.00062	-0.00083
10 MIN	-0.00008	-0.00016	-0.00032	-0.00080	-0.00122	-0.00164
30 MIN	-0.00021	-0.00043	-0.00086	-0.00224	-0.00346	-0.00475
60 MIN	-0.00036	-0.00073	-0.00150	-0.00401	-0.00639	-0.00905
2 HR	-0.00053	-0.00108	-0.00226	-0.00646	-0.01089	-0.01639
4 HR	-0.00059	-0.00123	-0.00265	-0.00844	-0.01581	-0.02685
8 HR	-0.00041	-0.00088	-0.00196	-0.00730	-0.01647	-0.03568
12 HR	-0.00023	-0.00049	-0.00113	-0.00467	-0.01246	-0.03492
24 HR	0.00004	0.00008	0.00017	0.00034	-0.00075	-0.01501
36 HR	0.00012	0.00025	0.00055	0.00192	0.00406	0.00286
48 HR	0.00014	0.00030	0.00066	0.00237	0.00558	0.01292
60 HR	0.00015	0.00031	0.00069	0.00251	0.00603	0.01781
72 HR	0.00015	0.00032	0.00070	0.00254	0.00616	0.02002
84 HR	0.00015	0.00032	0.00070	0.00256	0.00620	0.02099
96 HR	0.00015	0.00032	0.00070	0.00256	0.00621	0.02140
108 HR	0.00015	0.00032	0.00070	0.00256	0.00621	0.02147
120 HR	0.00015	0.00032	0.00070	0.00256	0.00621	0.02164
132 HR	0.00015	0.00032	0.00070	0.00256	0.00621	0.02167
SAT I	0.10637	0.10077	0.08957	0.05598	0.02799	0.
SAT X	0.02154	0.02137	0.02099	0.01913	0.01548	0.

SAT IODINE BEFORE POWER CHANGE 0.11196
 SAT XENON BEFORE POWER CHANGE 0.02169

INITIAL MW/KG 2.00						
POWER REDUCTION, PERCENT						
TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00001
10 SEC	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002	-0.00003
30 SEC	-0.00000	-0.00001	-0.00002	-0.00004	-0.00007	-0.00009
60 SEC	-0.00001	-0.00002	-0.00004	-0.00009	-0.00013	-0.00018
2 MIN	-0.00002	-0.00003	-0.00007	-0.00018	-0.00026	-0.00035
5 MIN	-0.00004	-0.00009	-0.00017	-0.00043	-0.00065	-0.00087
10 MIN	-0.00008	-0.00017	-0.00034	-0.00085	-0.00129	-0.00174
30 MIN	-0.00022	-0.00045	-0.00091	-0.00236	-0.00366	-0.00504
60 MIN	-0.00038	-0.00077	-0.00157	-0.00423	-0.00675	-0.00960
2 HR	-0.00055	-0.00113	-0.00236	-0.00678	-0.01148	-0.01739
4 HR	-0.00061	-0.00126	-0.00273	-0.00877	-0.01659	-0.02852
8 HR	-0.00042	-0.00089	-0.00200	-0.00750	-0.01716	-0.03801
12 HR	-0.00024	-0.00050	-0.00115	-0.00478	-0.01293	-0.03735
24 HR	0.00004	0.00007	0.00015	0.00026	-0.00091	-0.01663
36 HR	0.00011	0.00024	0.00052	0.00184	0.00392	0.00208
48 HR	0.00014	0.00029	0.00063	0.00229	0.00543	0.01264
60 HR	0.00014	0.00030	0.00066	0.00242	0.00588	0.01776
72 HR	0.00015	0.00030	0.00067	0.00246	0.00601	0.02009
84 HR	0.00015	0.00031	0.00068	0.00247	0.00604	0.02110
96 HR	0.00015	0.00031	0.00068	0.00248	0.00605	0.02153
108 HR	0.00015	0.00031	0.00068	0.00248	0.00605	0.02161
120 HR	0.00015	0.00031	0.00068	0.00248	0.00606	0.02178
132 HR	0.00015	0.00031	0.00068	0.00248	0.00606	0.02181
SAT I	0.11196	0.10607	0.09428	0.05893	0.02946	0.
SAT X	0.02169	0.02153	0.02116	0.01936	0.01578	0.

SAT IODINE BEFORE POWER CHANGE 0.11786
 SAT XENON BEFORE POWER CHANGE 0.02184

INITIAL MW/KG 2.20						
POWER REDUCTION, PERCENT						
TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002
10 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00002	-0.00003
30 SEC	-0.00000	-0.00001	-0.00002	-0.00005	-0.00007	-0.00010
60 SEC	-0.00001	-0.00002	-0.00004	-0.00010	-0.00015	-0.00020
2 MIN	-0.00002	-0.00004	-0.00008	-0.00019	-0.00029	-0.00039
5 MIN	-0.00005	-0.00010	-0.00019	-0.00048	-0.00073	-0.00097
10 MIN	-0.00009	-0.00019	-0.00037	-0.00094	-0.00143	-0.00193
30 MIN	-0.00025	-0.00050	-0.00100	-0.00262	-0.00406	-0.00561
60 MIN	-0.00041	-0.00084	-0.00172	-0.00465	-0.00748	-0.01070
2 HR	-0.00059	-0.00121	-0.00254	-0.00738	-0.01265	-0.01940
4 HR	-0.00064	-0.00132	-0.00287	-0.00939	-0.01811	-0.03188
8 HR	-0.00043	-0.00091	-0.00206	-0.00784	-0.01844	-0.04268
12 HR	-0.00024	-0.00052	-0.00119	-0.00497	-0.01377	-0.04224
24 HR	0.00003	0.00005	0.00010	0.00014	-0.00119	-0.01991
36 HR	0.00010	0.00022	0.00048	0.00169	0.00366	0.00049
48 HR	0.00013	0.00027	0.00059	0.00214	0.00515	0.01202
60 HR	0.00013	0.00028	0.00062	0.00227	0.00559	0.01763
72 HR	0.00014	0.00028	0.00063	0.00231	0.00571	0.02018
84 HR	0.00014	0.00028	0.00063	0.00232	0.00575	0.02129
96 HR	0.00014	0.00029	0.00063	0.00233	0.00576	0.02176
108 HR	0.00014	0.00029	0.00063	0.00233	0.00576	0.02184
120 HR	0.00014	0.00029	0.00063	0.00233	0.00577	0.02204
132 HR	0.00014	0.00029	0.00063	0.00233	0.00577	0.02207
SAT I	0.12316	0.11668	0.10371	0.06482	0.03241	0.
SAT X	0.02196	0.02181	0.02146	0.01977	0.01633	0.

SAT IODINE BEFORE POWER CHANGE 0.12964
 SAT XENON BEFORE POWER CHANGE 0.02209

INITIAL MW/KG 2.40						
POWER REDUCTION, PERCENT						
TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002
10 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003	-0.00004
30 SEC	-0.00001	-0.00001	-0.00002	-0.00005	-0.00008	-0.00011
60 SEC	-0.00001	-0.00002	-0.00004	-0.00011	-0.00016	-0.00022
2 MIN	-0.00002	-0.00004	-0.00009	-0.00021	-0.00032	-0.00043
5 MIN	-0.00005	-0.00010	-0.00021	-0.00053	-0.00080	-0.00107
10 MIN	-0.00010	-0.00020	-0.00041	-0.00104	-0.00158	-0.00213
30 MIN	-0.00027	-0.00054	-0.00110	-0.00287	-0.00447	-0.00619
60 MIN	-0.00045	-0.00090	-0.00186	-0.00507	-0.00820	-0.01180
2 HR	-0.00063	-0.00128	-0.00270	-0.00796	-0.01379	-0.02142
4 HR	-0.00066	-0.00137	-0.00299	-0.00995	-0.01955	-0.03524
8 HR	-0.00044	-0.00093	-0.00210	-0.00813	-0.01960	-0.04737
12 HR	-0.00025	-0.00054	-0.00122	-0.00512	-0.01450	-0.04714
24 HR	0.00002	0.00004	0.00007	0.00002	-0.00143	-0.02321
36 HR	0.00010	0.00020	0.00044	0.00157	0.00343	-0.00113
48 HR	0.00012	0.00025	0.00055	0.00201	0.00490	0.01138
60 HR	0.00012	0.00026	0.00058	0.00214	0.00532	0.01747
72 HR	0.00013	0.00027	0.00059	0.00218	0.00545	0.02023
84 HR	0.00013	0.00027	0.00059	0.00219	0.00548	0.02143
96 HR	0.00013	0.00027	0.00059	0.00219	0.00549	0.02195
108 HR	0.00013	0.00027	0.00059	0.00219	0.00549	0.02204
120 HR	0.00013	0.00027	0.00059	0.00219	0.00550	0.02225
132 HR	0.00013	0.00027	0.00059	0.00219	0.00550	0.02229
SAT I	0.13436	0.12728	0.11314	0.07071	0.03536	0.
SAT X	0.02218	0.02205	0.02172	0.02012	0.01681	0.

SAT IODINE BEFORE POWER CHANGE 0.14143
 SAT XENON BEFORE POWER CHANGE 0.02231

INITIAL MW/KG 2.60						
POWER REDUCTION, PERCENT						
TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002
10 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003	-0.00004
30 SEC	-0.00001	-0.00001	-0.00002	-0.00006	-0.00009	-0.00012
60 SEC	-0.00001	-0.00002	-0.00005	-0.00012	-0.00018	-0.00024
2 MIN	-0.00002	-0.00005	-0.00009	-0.00023	-0.00035	-0.00047
5 MIN	-0.00006	-0.00011	-0.00023	-0.00058	-0.00087	-0.00117
10 MIN	-0.00011	-0.00022	-0.00045	-0.00113	-0.00172	-0.00233
30 MIN	-0.00029	-0.00058	-0.00119	-0.00312	-0.00487	-0.00677
60 MIN	-0.00048	-0.00097	-0.00200	-0.00548	-0.00891	-0.01290
2 HR	-0.00066	-0.00135	-0.00286	-0.00851	-0.01491	-0.02344
4 HR	-0.00068	-0.00141	-0.00310	-0.01045	-0.02092	-0.03861
8 HR	-0.00045	-0.00095	-0.00214	-0.00837	-0.02065	-0.05208
12 HR	-0.00026	-0.00055	-0.00125	-0.00525	-0.01513	-0.05206
24 HR	0.00001	0.00002	0.00003	-0.00009	-0.00165	-0.02654
36 HR	0.00009	0.00018	0.00041	0.00145	0.00321	-0.00279
48 HR	0.00011	0.00023	0.00051	0.00189	0.00466	0.01070
60 HR	0.00012	0.00025	0.00054	0.00202	0.00508	0.01727
72 HR	0.00012	0.00025	0.00055	0.00206	0.00520	0.02025
84 HR	0.00012	0.00025	0.00056	0.00207	0.00524	0.02155
96 HR	0.00012	0.00025	0.00056	0.00207	0.00525	0.02211
108 HR	0.00012	0.00025	0.00056	0.00207	0.00525	0.02221
120 HR	0.00012	0.00025	0.00056	0.00207	0.00525	0.02243
132 HR	0.00012	0.00025	0.00056	0.00207	0.00525	0.02247
SAT I	0.14555	0.13789	0.12257	0.07661	0.03830	0.
SAT X	0.02238	0.02225	0.02194	0.02043	0.01725	0.

SAT IODINE BEFORE POWER CHANGE 0.15321
 SAT XENON BEFORE POWER CHANGE 0.02250

SAT IODINE	BEFORE	POWER CHANGE	0.16500
SAT XENON	BEFORE	POWER CHANGE	0.02266

SAT IODINE	BEFORE	POWER CHANGE	0.17678
SAT XENON	BEFORE	POWER CHANGE	0.02281

SAT IQDINE	BEFORE	POWER CHANGE	0.18857
SAT XENDN	BEFORE	POWER CHANGE	0.02294

SAT IODINE	BEFORE	POWER CHANGE	0.20036
SAT XENON	BEFORE	POWER CHANGE	0.02305

INITIAL MW/KG 3.60

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002	-0.00003
10 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00006
30 SEC	-0.00001	-0.00002	-0.00003	-0.00008	-0.00013	-0.00017
60 SEC	-0.00002	-0.00003	-0.00007	-0.00017	-0.00025	-0.00034
2 MIN	-0.00003	-0.00007	-0.00013	-0.00033	-0.00050	-0.00067
5 MIN	-0.00008	-0.00016	-0.00032	-0.00082	-0.00124	-0.00168
10 MIN	-0.00015	-0.00031	-0.00063	-0.00160	-0.00245	-0.00333
30 MIN	-0.00039	-0.00079	-0.00162	-0.00431	-0.00685	-0.00967
60 MIN	-0.00061	-0.00125	-0.00260	-0.00737	-0.01234	-0.01844
2 HR	-0.00078	-0.00162	-0.00347	-0.01089	-0.02010	-0.03357
4 HR	-0.00074	-0.00155	-0.00344	-0.01237	-0.02686	-0.05554
8 HR	-0.00047	-0.00100	-0.00226	-0.00912	-0.02460	-0.07573
12 HR	-0.00028	-0.00060	-0.00135	-0.00565	-0.01724	-0.07685
24 HR	-0.00002	-0.00033	-0.00069	-0.00048	-0.00244	-0.04344
36 HR	0.00006	0.00013	0.00028	0.00102	0.00233	-0.01133
48 HR	0.00008	0.00017	0.00039	0.00145	0.00371	0.00703
60 HR	0.00009	0.00019	0.00042	0.00157	0.00411	0.01600
72 HR	0.00009	0.00019	0.00042	0.00161	0.00422	0.02008
84 HR	0.00009	0.00019	0.00043	0.00162	0.00426	0.02186
96 HR	0.00009	0.00019	0.00043	0.00162	0.00427	0.02261
108 HR	0.00009	0.00019	0.00043	0.00162	0.00427	0.02275
120 HR	0.00009	0.00019	0.00043	0.00162	0.00427	0.02306
132 HR	0.00009	0.00019	0.00043	0.00162	0.00427	0.02312
SAT I	0.20153	0.19093	0.16971	0.10607	0.05304	0.
SAT X	0.02306	0.02296	0.02272	0.02153	0.01888	0.

SAT IODINE BEFORE POWER CHANGE 0.21214
 SAT XENON BEFORE POWER CHANGE 0.02315

INITIAL MW/KG 4.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00002	-0.00003
10 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00005	-0.00006
30 SEC	-0.00001	-0.00002	-0.00004	-0.00009	-0.00014	-0.00019
60 SEC	-0.00002	-0.00004	-0.00008	-0.00019	-0.00028	-0.00038
2 MIN	-0.00004	-0.00007	-0.00015	-0.00037	-0.00056	-0.00075
5 MIN	-0.00009	-0.00018	-0.00036	-0.00092	-0.00139	-0.00188
10 MIN	-0.00017	-0.00035	-0.00070	-0.00178	-0.00273	-0.00372
30 MIN	-0.00043	-0.00087	-0.00178	-0.00477	-0.00762	-0.01083
60 MIN	-0.00066	-0.00135	-0.00281	-0.00807	-0.01366	-0.02067
2 HR	-0.00082	-0.00170	-0.00366	-0.01169	-0.02201	-0.03763
4 HR	-0.00075	-0.00158	-0.00352	-0.01291	-0.02885	-0.06234
8 HR	-0.00048	-0.00101	-0.00229	-0.00929	-0.02571	-0.08523
12 HR	-0.00029	-0.00061	-0.00138	-0.00575	-0.01775	-0.08681
24 HR	-0.00002	-0.00005	-0.00012	-0.00060	-0.00267	-0.05627
36 HR	0.00005	0.00011	0.00024	0.00089	0.00205	-0.01482
48 HR	0.00007	0.00016	0.00035	0.00132	0.00342	0.00547
60 HR	0.00008	0.00017	0.00038	0.00144	0.00381	0.01541
72 HR	0.00008	0.00017	0.00039	0.00148	0.00392	0.01992
84 HR	0.00008	0.00018	0.00039	0.00149	0.00396	0.02189
96 HR	0.00008	0.00018	0.00039	0.00149	0.00397	0.02273
108 HR	0.00008	0.00018	0.00039	0.00149	0.00397	0.02288
120 HR	0.00008	0.00018	0.00039	0.00149	0.00397	0.02323
132 HR	0.00008	0.00018	0.00039	0.00149	0.00397	0.02329
SAT I	0.22393	0.21214	0.18857	0.11786	0.05893	0.
SAT X	0.02325	0.02315	0.02294	0.02184	0.01936	0.

SAT IODINE BEFORE POWER CHANGE 0.23571
 SAT XENON BEFORE POWER CHANGE 0.02333

INITIAL MW/KG 3.80

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00001	-0.00001	-0.00002	-0.00003
10 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00006
30 SEC	-0.00001	-0.00002	-0.00004	-0.00009	-0.00013	-0.00018
60 SEC	-0.00002	-0.00004	-0.00007	-0.00018	-0.00027	-0.00036
2 MIN	-0.00004	-0.00007	-0.00014	-0.00035	-0.00053	-0.00071
5 MIN	-0.00009	-0.00017	-0.00034	-0.00087	-0.00132	-0.00178
10 MIN	-0.00016	-0.00033	-0.00066	-0.00169	-0.00259	-0.00352
30 MIN	-0.00041	-0.00083	-0.00170	-0.00455	-0.00723	-0.01025
60 MIN	-0.00064	-0.00130	-0.00271	-0.00773	-0.01301	-0.01956
2 HR	-0.00080	-0.00166	-0.00357	-0.01130	-0.02107	-0.03560
4 HR	-0.00074	-0.00157	-0.00348	-0.01265	-0.02788	-0.05894
8 HR	-0.00048	-0.00101	-0.00228	-0.00921	-0.02518	-0.08047
12 HR	-0.00029	-0.00060	-0.00137	-0.00570	-0.01751	-0.08183
24 HR	-0.00002	-0.00004	-0.00010	-0.00054	-0.00256	-0.04685
36 HR	0.00006	0.00012	0.00026	0.00095	0.00218	-0.01307
48 HR	0.00008	0.00016	0.00037	0.00138	0.00356	0.00625
60 HR	0.00008	0.00018	0.00040	0.00151	0.00395	0.01571
72 HR	0.00009	0.00018	0.00041	0.00154	0.00407	0.02000
84 HR	0.00009	0.00018	0.00041	0.00155	0.00410	0.02188
96 HR	0.00009	0.00018	0.00041	0.00155	0.00411	0.02268
108 HR	0.00009	0.00018	0.00041	0.00155	0.00411	0.02282
120 HR	0.00009	0.00018	0.00041	0.00156	0.00411	0.02315
132 HR	0.00009	0.00018	0.00041	0.00156	0.00411	0.02321
SAT I	0.21273	0.20153	0.17914	0.11196	0.05598	0.
SAT X	0.02316	0.02306	0.02284	0.02169	0.01913	0.

SAT IODINE BEFORE POWER CHANGE 0.22393
 SAT XENON BEFORE POWER CHANGE 0.02325

INITIAL MW/KG 4.20

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00002	-0.00003
10 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00005	-0.00007
30 SEC	-0.00001	-0.00002	-0.00004	-0.00010	-0.00015	-0.00020
60 SEC	-0.00002	-0.00004	-0.00008	-0.00020	-0.00030	-0.00040
2 MIN	-0.00004	-0.00008	-0.00016	-0.00039	-0.00059	-0.00079
5 MIN	-0.00009	-0.00019	-0.00038	-0.00097	-0.00147	-0.00198
10 MIN	-0.00018	-0.00036	-0.00073	-0.00188	-0.00288	-0.00392
30 MIN	-0.00045	-0.00090	-0.00185	-0.00500	-0.00801	-0.01141
60 MIN	-0.00068	-0.00139	-0.00291	-0.00841	-0.01431	-0.02178
2 HR	-0.00093	-0.00173	-0.00374	-0.01206	-0.02292	-0.03967
4 HR	-0.00076	-0.00159	-0.00355	-0.01314	-0.02977	-0.06574
8 HR	-0.00048	-0.00102	-0.00231	-0.00936	-0.02618	-0.08998
12 HR	-0.00029	-0.00062	-0.00140	-0.00579	-0.01795	-0.09180
24 HR	-0.00003	-0.00006	-0.00013	-0.00065	-0.00277	-0.05369
36 HR	0.00005	0.00010	0.00023	0.00083	0.00193	-0.01658
48 HR	0.00007	0.00015	0.00033	0.00126	0.00329	0.00469
60 HR	0.00008	0.00016	0.00036	0.00139	0.00368	0.01510
72 HR	0.00008	0.00017	0.00037	0.00142	0.00379	0.01983
84 HR	0.00008	0.00017	0.00038	0.00143	0.00382	0.02190
96 HR	0.00008	0.00017	0.00038	0.00143	0.00383	0.02278
108 HR	0.00008	0.00017	0.00038	0.00143	0.00383	0.02294
120 HR	0.00008	0.00017	0.00038	0.00143	0.00383	0.02330
132 HR	0.00008	0.00017	0.00038	0.00144	0.00383	0.02336
SAT I	0.23512	0.22275	0.19800	0.12375	0.06187	0.
SAT X	0.02332	0.02324	0.02303	0.02197	0.01957	0.

SAT IODINE BEFORE POWER CHANGE 0.24750
 SAT XENON BEFORE POWER CHANGE 0.02341

INITIAL MW/KG 4.40								INITIAL MW/KG 4.60							
POWER REDUCTION, PERCENT								POWER REDUCTION, PERCENT							
5. 10. 20. 50. 75. 100.								5. 10. 20. 50. 75. 100.							
TIME								TIME							
0 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003	-0.00003	-0.00003	0 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003	-0.00003	-0.00003
5 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00005	-0.00007	-0.00007	5 SEC	-0.00000	-0.00001	-0.00001	-0.00004	-0.00007	-0.00009	-0.00011
10 SEC	-0.00001	-0.00002	-0.00002	-0.00004	-0.00006	-0.00008	-0.00008	10 SEC	-0.00001	-0.00002	-0.00002	-0.00006	-0.00011	-0.00016	-0.00022
30 SEC	-0.00002	-0.00004	-0.00004	-0.00008	-0.00012	-0.00016	-0.00016	30 SEC	-0.00002	-0.00004	-0.00004	-0.00012	-0.00022	-0.00035	-0.00048
60 SEC	-0.00004	-0.00008	-0.00008	-0.00016	-0.00024	-0.00032	-0.00032	60 SEC	-0.00004	-0.00008	-0.00008	-0.00024	-0.00048	-0.00076	-0.00104
2 MIN	-0.00008	-0.00016	-0.00016	-0.00032	-0.00048	-0.00064	-0.00064	2 MIN	-0.00008	-0.00016	-0.00016	-0.00048	-0.00096	-0.00144	-0.00192
5 MIN	-0.00010	-0.00020	-0.00020	-0.00040	-0.00060	-0.00080	-0.00080	5 MIN	-0.00010	-0.00020	-0.00020	-0.00060	-0.00116	-0.00172	-0.00228
10 MIN	-0.00019	-0.00038	-0.00038	-0.00076	-0.00114	-0.00152	-0.00152	10 MIN	-0.00019	-0.00038	-0.00038	-0.00114	-0.00206	-0.00302	-0.00398
30 MIN	-0.00046	-0.00092	-0.00092	-0.00184	-0.00276	-0.00368	-0.00368	30 MIN	-0.00046	-0.00092	-0.00092	-0.00276	-0.00504	-0.00732	-0.00960
60 MIN	-0.00070	-0.00140	-0.00140	-0.00280	-0.00420	-0.00560	-0.00560	60 MIN	-0.00070	-0.00140	-0.00140	-0.00420	-0.00792	-0.01164	-0.01536
2 HR	-0.00085	-0.00170	-0.00170	-0.00340	-0.00510	-0.00680	-0.00680	2 HR	-0.00085	-0.00170	-0.00170	-0.00510	-0.00936	-0.01372	-0.01808
4 HR	-0.00074	-0.00148	-0.00148	-0.00296	-0.00444	-0.00592	-0.00592	4 HR	-0.00077	-0.00161	-0.00161	-0.00389	-0.00694	-0.01036	-0.01384
8 HR	-0.00078	-0.00156	-0.00156	-0.00312	-0.00468	-0.00624	-0.00624	8 HR	-0.00079	-0.00163	-0.00163	-0.00442	-0.00788	-0.01176	-0.01520
12 HR	-0.00079	-0.00158	-0.00158	-0.00316	-0.00474	-0.00630	-0.00630	12 HR	-0.00080	-0.00164	-0.00164	-0.00448	-0.00796	-0.01184	-0.01528
24 HR	-0.00082	-0.00164	-0.00164	-0.00328	-0.00492	-0.00656	-0.00656	24 HR	-0.00083	-0.00166	-0.00166	-0.00456	-0.00808	-0.01192	-0.01536
36 HR	-0.00085	-0.00168	-0.00168	-0.00336	-0.00504	-0.00672	-0.00672	36 HR	-0.00084	-0.00168	-0.00168	-0.00464	-0.00816	-0.01200	-0.01544
48 HR	-0.00087	-0.00170	-0.00170	-0.00338	-0.00508	-0.00676	-0.00676	48 HR	-0.00085	-0.00170	-0.00170	-0.00472	-0.00824	-0.01208	-0.01552
60 HR	-0.00087	-0.00170	-0.00170	-0.00338	-0.00508	-0.00676	-0.00676	60 HR	-0.00087	-0.00170	-0.00170	-0.00480	-0.00832	-0.01216	-0.01560
72 HR	-0.00087	-0.00170	-0.00170	-0.00338	-0.00508	-0.00676	-0.00676	72 HR	-0.00087	-0.00170	-0.00170	-0.00488	-0.00840	-0.01224	-0.01568
84 HR	-0.00087	-0.00170	-0.00170	-0.00338	-0.00508	-0.00676	-0.00676	84 HR	-0.00087	-0.00170	-0.00170	-0.00496	-0.00848	-0.01232	-0.01576
96 HR	-0.00087	-0.00170	-0.00170	-0.00338	-0.00508	-0.00676	-0.00676	96 HR	-0.00087	-0.00170	-0.00170	-0.00504	-0.00856	-0.01240	-0.01584
108 HR	-0.00087	-0.00170	-0.00170	-0.00338	-0.00508	-0.00676	-0.00676	108 HR	-0.00087	-0.00170	-0.00170	-0.00512	-0.00864	-0.01248	-0.01592
120 HR	-0.00087	-0.00170	-0.00170	-0.00338	-0.00508	-0.00676	-0.00676	120 HR	-0.00087	-0.00170	-0.00170	-0.00520	-0.00872	-0.01256	-0.01600
132 HR	-0.00087	-0.00170	-0.00170	-0.00338	-0.00508	-0.00676	-0.00676	132 HR	-0.00087	-0.00170	-0.00170	-0.00528	-0.00880	-0.01264	-0.01608
SAT 1	0.24632	0.23336	0.20743	0.12964	0.06482	0.	0.	SAT 1	0.25752	0.24396	0.21686	0.13553	0.06777	0.	0.
SAT X	0.02340	0.02331	0.02311	0.02209	0.01977	0.	0.	SAT X	0.02346	0.02338	0.02319	0.02221	0.01995	0.	0.
SAT IODINE BEFORE POWER CHANGE 0.25928								SAT IODINE BEFORE POWER CHANGE 0.27107							
SAT XENON BEFORE POWER CHANGE 0.02347								SAT XENON BEFORE POWER CHANGE 0.02354							

INITIAL MW/KG 4.80								INITIAL MW/KG 5.00							
POWER REDUCTION, PERCENT								POWER REDUCTION, PERCENT							
5. 10. 20. 50. 75. 100.								5. 10. 20. 50. 75. 100.							
TIME								TIME							
0 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003	-0.00004	-0.00004	0 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003	-0.00004	-0.00004
5 SEC	-0.00000	-0.00001	-0.00002	-0.00004	-0.00006	-0.00008	-0.00008	5 SEC	-0.00000	-0.00001	-0.00001	-0.00004	-0.00006	-0.00008	-0.00008
10 SEC	-0.00001	-0.00002	-0.00002	-0.00004	-0.00007	-0.00010	-0.00013	10 SEC	-0.00001	-0.00002	-0.00002	-0.00007	-0.00010	-0.00013	-0.00013
30 SEC	-0.00002	-0.00005	-0.00005	-0.00010	-0.00016	-0.00023	-0.00029	30 SEC	-0.00002	-0.00005	-0.00005	-0.00016	-0.00024	-0.00036	-0.00036
60 SEC	-0.00004	-0.00009	-0.00009	-0.00018	-0.00027	-0.00036	-0.00046	60 SEC	-0.00004	-0.00009	-0.00009	-0.00027	-0.00036	-0.00046	-0.00046
2 MIN	-0.00008	-0.00016	-0.00016	-0.00032	-0.00048	-0.00064	-0.00080	2 MIN	-0.00008	-0.00016	-0.00016	-0.00048	-0.00064	-0.00076	-0.00076
5 MIN	-0.00011	-0.00022	-0.00022	-0.00044	-0.00066	-0.00088	-0.00116	5 MIN	-0.00011	-0.00022	-0.00022	-0.00066	-0.00088	-0.00116	-0.00116
10 MIN	-0.00021	-0.00041	-0.00041	-0.00082	-0.00123	-0.00164	-0.00216	10 MIN	-0.00021	-0.00041	-0.00041	-0.00123	-0.00164	-0.00216	-0.00216
30 MIN	-0.00050	-0.00100	-0.00100	-0.00200	-0.00300	-0.00400	-0.00516	30 MIN	-0.00051	-0.00104	-0.00104	-0.00215	-0.00387	-0.00582	-0.00582
60 MIN	-0.00074	-0.00151	-0.00151	-0.00319	-0.00470	-0.00624	-0.00768	60 MIN	-0.00076	-0.00153	-0.00153	-0.00327	-0.00566	-0.00882	-0.00882
2 HR	-0.00087	-0.00182	-0.00182	-0.00366	-0.00554	-0.00752	-0.00957	2 HR	-0.00088	-0.00184	-0.00184	-0.00377	-0.00637	-0.00937	-0.00937
4 HR	-0.00077	-0.00162	-0.00162	-0.00336	-0.00522	-0.00735	-0.00946	4 HR	-0.00077	-0.00163	-0.00163	-0.00365	-0.00585	-0.00766	-0.00766
8 HR	-0.00069	-0.00146	-0.00146	-0.00295	-0.00473	-0.00679	-0.00879	8 HR	-0.00049	-0.00104	-0.00104	-0.00235	-0.00395	-0.00560	-0.00560
12 HR	-0.00064	-0.00138	-0.00138	-0.00283	-0.00453	-0.00640	-0.00819	12 HR	-0.00030	-0.00064	-0.00064	-0.00148	-0.00235	-0.00356	-0.00356
24 HR	-0.00060	-0.00130	-0.00130	-0.00270	-0.00434	-0.00600	-0.00769	24 HR	-0.00030	-0.00064	-0.00064	-0.00148	-0.00235	-0.00356	-0.00356
36 HR	-0.00056	-0.00124	-0.00124	-0.00259	-0.00419	-0.00585	-0.00754	36 HR	-0.00004	-0.00008	-0.00008	-0.00018	-0.00082	-0.00150	-0.00150
48 HR	-0.00052	-0.00118	-0.00118	-0.00249	-0.00400	-0.00569	-0.00738	48 HR	-0.00006	-0.00013	-0.00013	-0.00028	-0.00082	-0.00150	-0.00150
60 HR	-0.00049	-0.00114	-0.00114	-0.00244	-0.00382	-0.00548	-0.00719	60 HR	-0.00007	-0.00014	-0.00014	-0.00031	-0.00119	-0.00232	-0.00232
72 HR	-0.00047	-0.00110	-0.00110	-0.00239	-0.00377	-0.00543	-0.00714	72 HR	-0.00007	-0.00014	-0.00014	-0.00032	-0.00123	-0.00233	-0.00233
84 HR	-0.00045	-0.00106	-0.00106	-0.00234	-0.00372	-0.00538	-0.00709	84 HR	-0.00007	-0.00014	-0.00014	-0.00032	-0.00124	-0.00233	-0.00233
96 HR	-0.00043	-0.00104	-0.00104	-0.00228	-0.00367	-0.00533	-0.00704	96 HR	-0.00007	-0.00014	-0.00014	-0.00032	-0.00124	-0.00233	-0.00233
108 HR	-0.00041	-0.00102	-0.00102	-0.00223	-0.00362	-0.00528	-0.00700	108 HR	-0.00007	-0.00014	-0.00014	-0.00032	-0.00124	-0.00233	-0.00233
120 HR	-0.00039	-0.00100	-0.00100	-0.00219	-0.00358	-0.00524	-0.00696	120 HR	-0.00007	-0.00014	-0.00014	-0.00032	-0.00124	-0.00233	-0.00233
132 HR	-0.00037	-0.00098	-0.00098	-0.00219	-0.00358	-0.00524	-0.00696	132 HR	-0.00007	-0.00014	-0.00014	-0.00032	-0.00124	-0.00233	-0.00233
SAT 1	0.26871	0.25457	0.22628	0.14143	0.07071	0.	0.	SAT 1	0.27991	0.26518	0.23571	0.14732	0.07366	0.	0.
SAT X	0.02353	0.02345	0.02326	0.02231	0.02012	0.	0.	SAT X	0.02358	0.02351	0.02333	0.02241	0.02028	0.	0.
SAT IODINE BEFORE POWER CHANGE 0.28385 0.02360								SAT IODINE BEFORE POWER CHANGE 0.29464 0.02365							
SAT XENON BEFORE POWER CHANGE 0.02360								SAT XENON BEFORE POWER CHANGE 0.02365							

		INITIAL MW/KG		5.20	
		POWER REDUCTION, PERCENT			
		5.	10.	20.	50.
TIME					
0 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003
5 SEC	-0.00000	-0.00000	-0.00002	-0.00004	-0.00004
10 SEC	-0.00001	-0.00001	-0.00002	-0.00006	-0.00008
30 SEC	-0.00001	-0.00002	-0.00005	-0.00012	-0.00019
60 SEC	-0.00002	-0.00005	-0.00010	-0.00025	-0.00050
2 MIN	-0.00005	-0.00010	-0.00020	-0.00049	-0.00100
5 MIN	-0.00012	-0.00024	-0.00049	-0.00121	-0.00248
10 MIN	-0.00022	-0.00048	-0.00090	-0.00233	-0.00492
30 MIN	-0.00053	-0.00108	-0.00222	-0.00609	-0.01432
60 MIN	-0.00077	-0.00159	-0.00335	-0.00996	-0.02735
2 HR	-0.00089	-0.00184	-0.00407	-0.02717	-0.06985
4 HR	-0.00077	-0.00163	-0.00367	-0.02317	-0.08272
8 HR	-0.00049	-0.00104	-0.00235	-0.01795	-0.11379
12 HR	-0.00030	-0.00064	-0.00145	-0.00956	-0.11680
24 HR	-0.00004	-0.00008	-0.00019	-0.00086	-0.01089
36 HR	0.00006	0.00008	0.00017	0.00061	0.00546
48 HR	0.00006	0.00012	0.00027	0.00103	0.00274
60 HR	0.00006	0.00013	0.00030	0.00115	0.00067
72 HR	0.00007	0.00014	0.00031	0.00119	0.01930
84 HR	0.00007	0.00014	0.00031	0.00120	0.02185
96 HR	0.00007	0.00014	0.00031	0.00120	0.00327
108 HR	0.00007	0.00014	0.00031	0.00120	0.02313
120 HR	0.00007	0.00014	0.00031	0.00120	0.02357
132 HR	0.00007	0.00014	0.00031	0.00120	0.02365

SAT I 0.29110 0.27578 0.24514 0.15321 0.07661 0.
 SAT X 0.02364 0.02358 0.02339 0.02250 0.02043 0.

		INITIAL MW/KG		5.40	
		POWER REDUCTION, PERCENT			
		5.	10.	20.	50.
TIME					
0 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003
5 SEC	-0.00000	-0.00000	-0.00002	-0.00004	-0.00004
10 SEC	-0.00001	-0.00001	-0.00002	-0.00006	-0.00009
30 SEC	-0.00001	-0.00003	-0.00005	-0.00012	-0.00019
60 SEC	-0.00002	-0.00005	-0.00010	-0.00026	-0.00052
2 MIN	-0.00005	-0.00010	-0.00020	-0.00051	-0.00104
5 MIN	-0.00012	-0.00024	-0.00049	-0.00125	-0.00258
10 MIN	-0.00022	-0.00048	-0.00090	-0.00242	-0.00512
30 MIN	-0.00053	-0.00108	-0.00222	-0.00630	-0.01491
60 MIN	-0.00077	-0.00159	-0.00335	-0.01393	-0.02796
2 HR	-0.00089	-0.00184	-0.00407	-0.03441	-0.08617
4 HR	-0.00077	-0.00163	-0.00367	-0.02796	-0.11856
8 HR	-0.00049	-0.00104	-0.00235	-0.01962	-0.11876
12 HR	-0.00030	-0.00064	-0.00145	-0.00959	-0.12181
24 HR	-0.00004	-0.00008	-0.00019	-0.00086	-0.01089
36 HR	0.00006	0.00008	0.00017	0.00061	0.00546
48 HR	0.00006	0.00012	0.00027	0.00103	0.00274
60 HR	0.00006	0.00013	0.00030	0.00115	0.00067
72 HR	0.00007	0.00014	0.00031	0.00119	0.03438
84 HR	0.00007	0.00014	0.00031	0.00120	0.00317
96 HR	0.00006	0.00014	0.00030	0.00116	0.00318
108 HR	0.00006	0.00014	0.00030	0.00116	0.02315
120 HR	0.00006	0.00014	0.00030	0.00116	0.02361
132 HR	0.00006	0.00014	0.00030	0.00116	0.02369

SAT I 0.30230 0.28639 0.25457 0.15911 0.07955 0.
 SAT X 0.02369 0.02361 0.02345 0.02259 0.02057 0.

		INITIAL MW/KG		5.60	
		POWER REDUCTION, PERCENT			
		5.	10.	20.	50.
TIME					
0 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003
5 SEC	-0.00000	-0.00000	-0.00002	-0.00004	-0.00005
10 SEC	-0.00001	-0.00001	-0.00002	-0.00006	-0.00009
30 SEC	-0.00001	-0.00003	-0.00005	-0.00012	-0.00027
60 SEC	-0.00003	-0.00005	-0.00011	-0.00027	-0.00054
2 MIN	-0.00005	-0.00011	-0.00021	-0.00053	-0.00108
5 MIN	-0.00012	-0.00025	-0.00051	-0.00130	-0.00268
10 MIN	-0.00024	-0.00048	-0.00097	-0.00251	-0.00532
30 MIN	-0.00056	-0.00114	-0.00235	-0.00650	-0.01549
60 MIN	-0.00080	-0.00165	-0.00350	-0.01053	-0.02958
2 HR	-0.00091	-0.00190	-0.00417	-0.01426	-0.03958
4 HR	-0.00078	-0.00165	-0.00370	-0.01426	-0.05303
8 HR	-0.00051	-0.00105	-0.00237	-0.00964	-0.02844
12 HR	-0.00031	-0.00065	-0.00147	-0.00601	-0.02844
24 HR	-0.00004	-0.00009	-0.00021	-0.00093	-0.01233
36 HR	0.00003	0.00007	0.00015	0.00054	0.00124
48 HR	0.00005	0.00011	0.00025	0.00096	0.00256
60 HR	0.00006	0.00013	0.00028	0.00108	0.00294
72 HR	0.00006	0.00013	0.00029	0.00112	0.00305
84 HR	0.00006	0.00013	0.00029	0.00112	0.00305
96 HR	0.00006	0.00013	0.00029	0.00113	0.00309
108 HR	0.00006	0.00013	0.00029	0.00113	0.00309
120 HR	0.00006	0.00013	0.00029	0.00113	0.00309
132 HR	0.00006	0.00013	0.00029	0.00113	0.00309

SAT I 0.31350 0.29700 0.26400 0.16500 0.08250 0.
 SAT X 0.02373 0.02366 0.02350 0.02266 0.02070 0.

		INITIAL MW/KG		5.80	
		POWER REDUCTION, PERCENT			
		5.	10.	20.	50.
TIME					
0 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00003
5 SEC	-0.00000	-0.00000	-0.00002	-0.00004	-0.00005
10 SEC	-0.00001	-0.00001	-0.00002	-0.00006	-0.00009
30 SEC	-0.00001	-0.00003	-0.00005	-0.00012	-0.00027
60 SEC	-0.00003	-0.00005	-0.00011	-0.00027	-0.00054
2 MIN	-0.00005	-0.00011	-0.00021	-0.00053	-0.00108
5 MIN	-0.00012	-0.00025	-0.00051	-0.00130	-0.00268
10 MIN	-0.00024	-0.00048	-0.00097	-0.00251	-0.00532
30 MIN	-0.00056	-0.00114	-0.00235	-0.00650	-0.01549
60 MIN	-0.00080	-0.00165	-0.00350	-0.01053	-0.02958
2 HR	-0.00091	-0.00190	-0.00417	-0.01426	-0.03958
4 HR	-0.00078	-0.00165	-0.00370	-0.01426	-0.05303
8 HR	-0.00051	-0.00105	-0.00237	-0.00964	-0.02844
12 HR	-0.00031	-0.00065	-0.00147	-0.00601	-0.02844
24 HR	-0.00004	-0.00009	-0.00021	-0.00093	-0.01233
36 HR	0.00003	0.00007	0.00015	0.00054	0.00124
48 HR	0.00005	0.00011	0.00025	0.00096	0.00256
60 HR	0.00006	0.00013	0.00028	0.00108	0.00294
72 HR	0.00006	0.00013	0.00029	0.00112	0.00305
84 HR	0.00006	0.00013	0.00029	0.00112	0.00305
96 HR	0.00006	0.00013	0.00029	0.00113	0.00309
108 HR	0.00006	0.00013	0.00029	0.00113	0.00309
120 HR	0.00006	0.00013	0.00029	0.00113	0.00309
132 HR	0.00006	0.00013	0.00029	0.00113	0.00309

SAT I 0.32469 0.30760 0.27343 0.17089 0.08545 0.
 SAT X 0.02377 0.02371 0.02355 0.02274 0.02083 0.

INITIAL MW/KG 6.00						
POWER REDUCTION, PERCENT						
TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00001	-0.00002	-0.00004	-0.00005
10 SEC	-0.00000	-0.00001	-0.00002	-0.00005	-0.00007	-0.00010
30 SEC	-0.00001	-0.00003	-0.00006	-0.00014	-0.00022	-0.00029
60 SEC	-0.00003	-0.00006	-0.00011	-0.00029	-0.00043	-0.00058
2 MIN	-0.00006	-0.00011	-0.00023	-0.00057	-0.00086	-0.00116
5 MIN	-0.00014	-0.00027	-0.00055	-0.00140	-0.00213	-0.00288
10 MIN	-0.00025	-0.00051	-0.00104	-0.00269	-0.00416	-0.00573
30 MIN	-0.00059	-0.00120	-0.00248	-0.00691	-0.01136	-0.01666
60 MIN	-0.00083	-0.00171	-0.00365	-0.01107	-0.01978	-0.03181
2 HR	-0.00092	-0.00193	-0.00425	-0.01467	-0.03021	-0.05800
4 HR	-0.00078	-0.00165	-0.00372	-0.01446	-0.03625	-0.09640
8 HR	-0.00050	-0.00106	-0.00238	-0.00969	-0.02885	-0.13287
12 HR	-0.00031	-0.00066	-0.00148	-0.00606	-0.01899	-0.13684
24 HR	-0.00005	-0.00010	-0.00023	-0.00099	-0.00347	-0.08470
36 HR	0.00003	0.00006	0.00013	0.00047	0.00109	-0.03262
48 HR	0.00005	0.00010	0.00023	0.00089	0.00240	-0.00261
60 HR	0.00006	0.00012	0.00026	0.00101	0.00278	0.01211
72 HR	0.00006	0.00012	0.00027	0.00105	0.00289	0.01881
84 HR	0.00006	0.00012	0.00027	0.00106	0.00292	0.02174
96 HR	0.00006	0.00012	0.00027	0.00106	0.00293	0.02298
108 HR	0.00006	0.00012	0.00028	0.00106	0.00293	0.02321
120 HR	0.00006	0.00012	0.00028	0.00106	0.00293	0.02372
132 HR	0.00006	0.00012	0.00028	0.00106	0.00293	0.02381
SAT I	0.33589	0.31821	0.28285	0.17678	0.08839	0.
SAT X	0.02381	0.02375	0.02360	0.02281	0.02094	0.
SAT IODINE BEFORE POWER CHANGE						0.35357
SAT XENON BEFORE POWER CHANGE						0.02387

INITIAL MW/KG 6.20						
POWER REDUCTION, PERCENT						
TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00000	-0.00001	-0.00003	-0.00004	-0.00005
10 SEC	-0.00000	-0.00001	-0.00002	-0.00005	-0.00008	-0.00010
30 SEC	-0.00001	-0.00003	-0.00006	-0.00015	-0.00023	-0.00030
60 SEC	-0.00003	-0.00006	-0.00012	-0.00030	-0.00045	-0.00060
2 MIN	-0.00006	-0.00012	-0.00023	-0.00059	-0.00089	-0.00120
5 MIN	-0.00014	-0.00028	-0.00057	-0.00144	-0.00220	-0.00299
10 MIN	-0.00026	-0.00053	-0.00107	-0.00277	-0.00430	-0.00593
30 MIN	-0.00060	-0.00123	-0.00255	-0.00711	-0.01172	-0.01724
60 MIN	-0.00085	-0.00174	-0.00371	-0.01133	-0.02035	-0.03292
2 HR	-0.00093	-0.00195	-0.00429	-0.01483	-0.03092	-0.06004
4 HR	-0.00078	-0.00166	-0.00373	-0.01455	-0.03680	-0.09981
8 HR	-0.00050	-0.00106	-0.00239	-0.00972	-0.02902	-0.13764
12 HR	-0.00031	-0.00066	-0.00149	-0.00608	-0.01905	-0.14185
24 HR	-0.00005	-0.00010	-0.00024	-0.00101	-0.00353	-0.08816
36 HR	0.00003	0.00006	0.00012	0.00044	0.00102	-0.03442
48 HR	0.00005	0.00010	0.00023	0.00086	0.00233	-0.00344
60 HR	0.00005	0.00011	0.00026	0.00099	0.00270	0.01176
72 HR	0.00006	0.00012	0.00026	0.00102	0.00281	0.01868
84 HR	0.00006	0.00012	0.00027	0.00103	0.00284	0.02170
96 HR	0.00006	0.00012	0.00027	0.00103	0.00285	0.02299
108 HR	0.00006	0.00012	0.00027	0.00103	0.00285	0.02322
120 HR	0.00006	0.00012	0.00027	0.00103	0.00285	0.02375
132 HR	0.00006	0.00012	0.00027	0.00103	0.00285	0.02385
SAT I	0.34709	0.32882	0.29228	0.18268	0.09134	0.
SAT X	0.02385	0.02379	0.02364	0.02287	0.02105	0.
SAT IODINE BEFORE POWER CHANGE						0.36535
SAT XENON BEFORE POWER CHANGE						0.02391

INITIAL MW/KG 6.40						
POWER REDUCTION, PERCENT						
TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00005
10 SEC	-0.00001	-0.00001	-0.00002	-0.00005	-0.00008	-0.00010
30 SEC	-0.00002	-0.00003	-0.00006	-0.00015	-0.00023	-0.00031
60 SEC	-0.00003	-0.00006	-0.00012	-0.00031	-0.00046	-0.00062
2 MIN	-0.00006	-0.00012	-0.00024	-0.00061	-0.00092	-0.00124
5 MIN	-0.00014	-0.00029	-0.00058	-0.00149	-0.00228	-0.00309
10 MIN	-0.00027	-0.00054	-0.00110	-0.00286	-0.00444	-0.00613
30 MIN	-0.00062	-0.00126	-0.00261	-0.00730	-0.01208	-0.01782
60 MIN	-0.00086	-0.00177	-0.00378	-0.01158	-0.02091	-0.03404
2 HR	-0.00094	-0.00196	-0.00432	-0.01511	-0.03161	-0.06208
4 HR	-0.00079	-0.00166	-0.00374	-0.01463	-0.03732	-0.10323
8 HR	-0.00050	-0.00106	-0.00239	-0.00974	-0.02918	-0.14242
12 HR	-0.00031	-0.00066	-0.00149	-0.00610	-0.01911	-0.14687
24 HR	-0.00005	-0.00011	-0.00025	-0.00104	-0.00358	-0.09162
36 HR	0.00002	0.00005	0.00011	0.00042	0.00095	-0.03621
48 HR	0.00005	0.00010	0.00022	0.00084	0.00226	-0.00427
60 HR	0.00005	0.00011	0.00025	0.00096	0.00263	0.01141
72 HR	0.00005	0.00011	0.00026	0.00099	0.00274	0.01855
84 HR	0.00005	0.00012	0.00026	0.00100	0.00277	0.02167
96 HR	0.00006	0.00012	0.00026	0.00100	0.00278	0.02299
108 HR	0.00006	0.00012	0.00026	0.00101	0.00278	0.02324
120 HR	0.00006	0.00012	0.00026	0.00101	0.00278	0.02378
132 HR	0.00006	0.00012	0.00026	0.00101	0.00278	0.02388
SAT I	0.35823	0.33943	0.30171	0.18857	0.09428	0.
SAT X	0.02389	0.02383	0.02368	0.02294	0.02116	0.
SAT IODINE BEFORE POWER CHANGE						0.37714
SAT XENON BEFORE POWER CHANGE						0.02394

INITIAL MW/KG 6.60						
POWER REDUCTION, PERCENT						
TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00005
10 SEC	-0.00001	-0.00001	-0.00002	-0.00005	-0.00008	-0.00011
30 SEC	-0.00002	-0.00003	-0.00006	-0.00016	-0.00024	-0.00032
60 SEC	-0.00003	-0.00006	-0.00013	-0.00032	-0.00048	-0.00064
2 MIN	-0.00006	-0.00012	-0.00025	-0.00063	-0.00095	-0.00128
5 MIN	-0.00015	-0.00030	-0.00060	-0.00154	-0.00235	-0.00319
10 MIN	-0.00028	-0.00056	-0.00113	-0.00295	-0.00458	-0.00633
30 MIN	-0.00063	-0.00129	-0.00267	-0.00750	-0.01244	-0.01841
60 MIN	-0.00087	-0.00180	-0.00384	-0.01183	-0.02147	-0.03516
2 HR	-0.00094	-0.00197	-0.00436	-0.01531	-0.03229	-0.06413
4 HR	-0.00079	-0.00166	-0.00375	-0.01471	-0.03782	-0.10664
8 HR	-0.00050	-0.00106	-0.00240	-0.00975	-0.02932	-0.14719
12 HR	-0.00031	-0.00066	-0.00150	-0.00612	-0.01916	-0.15188
24 HR	-0.00005	-0.00011	-0.00025	-0.00106	-0.00364	-0.09508
36 HR	0.00002	0.00005	0.00011	0.00039	0.00089	-0.03802
48 HR	0.00004	0.00009	0.00021	0.00081	0.00219	-0.00510
60 HR	0.00005	0.00011	0.00024	0.00093	0.00256	0.01106
72 HR	0.00005	0.00011	0.00025	0.00097	0.00267	0.01842
84 HR	0.00005	0.00011	0.00025	0.00098	0.00270	0.02163
96 HR	0.00005	0.00011	0.00025	0.00098	0.00271	0.02300
108 HR	0.00005	0.00011	0.00025	0.00098	0.00271	0.02325
120 HR	0.00005	0.00011	0.00025	0.00098	0.00272	0.02381
132 HR	0.00005	0.00011	0.00025	0.00098	0.00272	0.02391
SAT I	0.36748	0.35003	0.31114	0.19446	0.09723	0.
SAT X	0.02392	0.02386	0.02372	0.02300	0.02126	0.
SAT IODINE BEFORE POWER CHANGE						0.38893
SAT XENON BEFORE POWER CHANGE						0.02397

INITIAL MW/KG 6.80

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00006
10 SEC	-0.00001	-0.00001	-0.00002	-0.00006	-0.00008	-0.00011
30 SEC	-0.00002	-0.00003	-0.00007	-0.00016	-0.00025	-0.00033
60 SEC	-0.00003	-0.00007	-0.00013	-0.00033	-0.00049	-0.00066
2 MIN	-0.00006	-0.00013	-0.00026	-0.00065	-0.00098	-0.00132
5 MIN	-0.00015	-0.00031	-0.00062	-0.00159	-0.00242	-0.00329
10 MIN	-0.00029	-0.00057	-0.00116	-0.00304	-0.00472	-0.00653
30 MIN	-0.00064	-0.00131	-0.00273	-0.00769	-0.01279	-0.01899
60 MIN	-0.00088	-0.00182	-0.00389	-0.01207	-0.02202	-0.03627
2 HR	-0.00095	-0.00199	-0.00439	-0.01550	-0.03295	-0.06617
4 HR	-0.00079	-0.00167	-0.00375	-0.01477	-0.03830	-0.11005
8 HR	-0.00050	-0.00107	-0.00240	-0.00977	-0.02945	-0.15197
12 HR	-0.00032	-0.00067	-0.00150	-0.00614	-0.01920	-0.15690
24 HR	-0.00005	-0.00011	-0.00026	-0.00109	-0.00369	-0.09855
36 HR	0.00002	0.00005	0.00010	0.00037	0.00083	-0.03982
48 HR	0.00004	0.00009	0.00020	0.00078	0.00213	-0.00593
60 HR	0.00005	0.00010	0.00023	0.00091	0.00250	0.01071
72 HR	0.00005	0.00011	0.00024	0.00094	0.00261	0.01828
84 HR	0.00005	0.00011	0.00024	0.00095	0.00264	0.02159
96 HR	0.00005	0.00011	0.00025	0.00095	0.00265	0.02300
108 HR	0.00005	0.00011	0.00025	0.00095	0.00265	0.02325
120 HR	0.00005	0.00011	0.00025	0.00095	0.00265	0.02383
132 HR	0.00005	0.00011	0.00025	0.00095	0.00265	0.02393
SAT I	0.38068	0.36064	0.32057	0.20036	0.10018	0.
SAT X	0.02395	0.02389	0.02376	0.02305	0.02135	0.
SAT IODINE BEFORE POWER CHANGE					0.40071	
SAT XENON BEFORE POWER CHANGE					0.02400	

INITIAL MW/KG 7.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00006
10 SEC	-0.00001	-0.00001	-0.00002	-0.00006	-0.00009	-0.00011
30 SEC	-0.00002	-0.00003	-0.00007	-0.00017	-0.00026	-0.00034
60 SEC	-0.00003	-0.00007	-0.00013	-0.00034	-0.00051	-0.00068
2 MIN	-0.00007	-0.00013	-0.00027	-0.00067	-0.00101	-0.00136
5 MIN	-0.00016	-0.00032	-0.00064	-0.00163	-0.00250	-0.00339
10 MIN	-0.00029	-0.00059	-0.00120	-0.00312	-0.00486	-0.00673
30 MIN	-0.00066	-0.00134	-0.00279	-0.00788	-0.01314	-0.01957
60 MIN	-0.00089	-0.00185	-0.00395	-0.01230	-0.02256	-0.03739
2 HR	-0.00095	-0.00199	-0.00441	-0.01568	-0.03359	-0.06821
4 HR	-0.00079	-0.00167	-0.00376	-0.01483	-0.03874	-0.11346
8 HR	-0.00051	-0.00107	-0.00241	-0.00979	-0.02957	-0.15675
12 HR	-0.00032	-0.00067	-0.00151	-0.00615	-0.01924	-0.16132
24 HR	-0.00005	-0.00012	-0.00026	-0.00111	-0.00374	-0.10201
36 HR	0.00002	0.00004	0.00009	0.00034	0.00077	-0.04162
48 HR	0.00004	0.00009	0.00020	0.00076	0.00206	-0.00676
60 HR	0.00005	0.00010	0.00023	0.00088	0.00244	0.01035
72 HR	0.00005	0.00011	0.00024	0.00092	0.00255	0.01814
84 HR	0.00005	0.00011	0.00024	0.00093	0.00258	0.02155
96 HR	0.00005	0.00011	0.00024	0.00093	0.00259	0.02300
108 HR	0.00005	0.00011	0.00024	0.00093	0.00259	0.02326
120 HR	0.00005	0.00011	0.00024	0.00093	0.00259	0.02386
132 HR	0.00005	0.00011	0.00024	0.00093	0.00259	0.02396
SAT I	0.39187	0.37125	0.33000	0.20625	0.10312	0.
SAT X	0.02398	0.02393	0.02379	0.02310	0.02144	0.
SAT IODINE BEFORE POWER CHANGE					0.41250	
SAT XENON BEFORE POWER CHANGE					0.02403	

INITIAL MW/KG 7.20

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00004	-0.00006
10 SEC	-0.00001	-0.00001	-0.00002	-0.00006	-0.00009	-0.00012
30 SEC	-0.00002	-0.00003	-0.00007	-0.00018	-0.00026	-0.00035
60 SEC	-0.00003	-0.00007	-0.00014	-0.00035	-0.00052	-0.00070
2 MIN	-0.00007	-0.00014	-0.00027	-0.00069	-0.00104	-0.00140
5 MIN	-0.00016	-0.00033	-0.00066	-0.00168	-0.00257	-0.00349
10 MIN	-0.00030	-0.00060	-0.00123	-0.00321	-0.00500	-0.00693
30 MIN	-0.00067	-0.00137	-0.00285	-0.00807	-0.01349	-0.02016
60 MIN	-0.00090	-0.00187	-0.00401	-0.01253	-0.02310	-0.03850
2 HR	-0.00095	-0.00200	-0.00444	-0.01586	-0.03421	-0.07025
4 HR	-0.00079	-0.00167	-0.00376	-0.01489	-0.03917	-0.11688
8 HR	-0.00051	-0.00107	-0.00241	-0.00980	-0.02967	-0.16152
12 HR	-0.00032	-0.00067	-0.00152	-0.00617	-0.01928	-0.16694
24 HR	-0.00006	-0.00012	-0.00027	-0.00113	-0.00378	-0.10548
36 HR	0.00002	0.00004	0.00009	0.00032	0.00071	-0.04343
48 HR	0.00004	0.00009	0.00019	0.00074	0.00201	-0.00760
60 HR	0.00005	0.00010	0.00022	0.00086	0.00238	0.00999
72 HR	0.00005	0.00010	0.00023	0.00089	0.00249	0.01800
84 HR	0.00005	0.00010	0.00023	0.00090	0.00252	0.02150
96 HR	0.00005	0.00010	0.00023	0.00091	0.00253	0.02300
108 HR	0.00005	0.00010	0.00023	0.00091	0.00253	0.02327
120 HR	0.00005	0.00010	0.00023	0.00091	0.00253	0.02388
132 HR	0.00005	0.00010	0.00023	0.00091	0.00253	0.02399
SAT I	0.40307	0.38185	0.33943	0.21214	0.10607	0.
SAT X	0.02401	0.02396	0.02383	0.02315	0.02153	0.
SAT IODINE BEFORE POWER CHANGE					0.42428	
SAT XENON BEFORE POWER CHANGE					0.02406	

INITIAL MW/KG 7.40

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00005	-0.00006
10 SEC	-0.00001	-0.00001	-0.00002	-0.00006	-0.00009	-0.00012
30 SEC	-0.00002	-0.00004	-0.00007	-0.00018	-0.00027	-0.00036
60 SEC	-0.00003	-0.00007	-0.00014	-0.00036	-0.00054	-0.00072
2 MIN	-0.00007	-0.00014	-0.00028	-0.00071	-0.00107	-0.00144
5 MIN	-0.00017	-0.00033	-0.00067	-0.00173	-0.00264	-0.00359
10 MIN	-0.00031	-0.00062	-0.00126	-0.00330	-0.00514	-0.00713
30 MIN	-0.00068	-0.00139	-0.00290	-0.00825	-0.01384	-0.02074
60 MIN	-0.00091	-0.00189	-0.00406	-0.01276	-0.02363	-0.03962
2 HR	-0.00096	-0.00201	-0.00446	-0.01602	-0.03482	-0.07229
4 HR	-0.00079	-0.00167	-0.00377	-0.01494	-0.03958	-0.12029
8 HR	-0.00051	-0.00107	-0.00242	-0.00982	-0.02977	-0.16630
12 HR	-0.00032	-0.00067	-0.00152	-0.00619	-0.01931	-0.17196
24 HR	-0.00006	-0.00012	-0.00028	-0.00115	-0.00383	-0.10894
36 HR	0.00004	0.00008	0.00019	0.00072	0.00195	-0.04523
48 HR	0.00004	0.00008	0.00019	0.00072	0.00195	-0.00843
60 HR	0.00005	0.00010	0.00022	0.00084	0.00232	0.00964
72 HR	0.00005	0.00010	0.00022	0.00087	0.00243	0.01787
84 HR	0.00005	0.00010	0.00023	0.00088	0.00246	0.02146
96 HR	0.00005	0.00010	0.00023	0.00088	0.00247	0.02299
108 HR	0.00005	0.00010	0.00023	0.00088	0.00247	0.02327
120 HR	0.00005	0.00010	0.00023	0.00089	0.00247	0.02390
132 HR	0.00005	0.00010	0.00023	0.00089	0.00247	0.02401
SAT I	0.41426	0.39246	0.34885	0.21803	0.10902	0.
SAT X	0.02404	0.02398	0.02386	0.02320	0.02161	0.
SAT IODINE BEFORE POWER CHANGE					0.43607	
SAT XENON BEFORE POWER CHANGE					0.02409	

INITIAL MW/KG 7.60																											
POWER REDUCTION, PERCENT																											
5. 10. 20. 50. 75. 100.																											
TIME	0. SEC	5. SEC	10. SEC	30. SEC	60. SEC	2 MIN	5 MIN	10 MIN	30 MIN	60 MIN	2 HR	4 HR	8 HR	12 HR	24 HR	36 HR	48 HR	60 HR	72 HR	84 HR	96 HR	108 HR	120 HR	132 HR	SAT I	SAT X	
	-0.00000	-0.00001	-0.00001	-0.00002	-0.00004	-0.00007	-0.00017	-0.00034	-0.00069	-0.00138	-0.00276	-0.00552	-0.01104	-0.02208	-0.04416	-0.08832	-0.17664	-0.35328	-0.70656	-1.41312	-2.82624	-5.65248	-11.30496	-22.60992	-45.21984	0.42546	0.02406
	-0.00001	-0.00001	-0.00001	-0.00002	-0.00004	-0.00007	-0.00017	-0.00034	-0.00069	-0.00138	-0.00276	-0.00552	-0.01104	-0.02208	-0.04416	-0.08832	-0.17664	-0.35328	-0.70656	-1.41312	-2.82624	-5.65248	-11.30496	-22.60992	-45.21984	0.40307	0.02401
	-0.00002	-0.00002	-0.00002	-0.00004	-0.00007	-0.00015	-0.00030	-0.00060	-0.00120	-0.00240	-0.00480	-0.00960	-0.01920	-0.03840	-0.07680	-0.15360	-0.30720	-0.61440	-1.22880	-2.45760	-4.91520	-9.83040	-19.66080	-39.32160	-78.64320	0.35828	0.02389
	-0.00003	-0.00003	-0.00003	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	0.22393	0.02325
	-0.00005	-0.00005	-0.00005	-0.00010	-0.00020	-0.00040	-0.00080	-0.00160	-0.00320	-0.00640	-0.01280	-0.02560	-0.05120	-0.10240	-0.20480	-0.40960	-0.81920	-1.63840	-3.27680	-6.55360	-13.10720	-26.21440	-52.42880	-104.85760	-209.71520	0.11196	0.02169
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.04785	0.0
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-31.45728	-62.91456	-125.82912	-251.65824	0.0	
	-0.00006	-0.00006	-0.00006	-0.00012	-0.00024	-0.00048	-0.00096	-0.00192	-0.00384	-0.00768	-0.01536	-0.03072	-0.06144	-0.12288	-0.24576	-0.49152	-0.98304	-1.96608	-3.93216	-7.86432	-15.72864	-					

SAT IODINE BEFORE POWER CHANGE													SAT IODINE BEFORE POWER CHANGE												
SAT XENON BEFORE POWER CHANGE													SAT XENON BEFORE POWER CHANGE												
0.44785													0.45964												
0.02411													0.02413												
INITIAL MW/KG													INITIAL MW/KG												
8.00													8.20												
POWER REDUCTION, PERCENT													POWER REDUCTION, PERCENT												
5.													5.												
10.													10.												
20.													20.												
50.													50.												
75.													75.												
100.													100.												
TIME													TIME												
0 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00005	-0.00007	-0.00007	-0.00000	-0.00001	-0.00003	-0.00003	-0.00005	-0.00007	0 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00003	-0.00005	-0.00007	-0.00007	-0.00000	-0.00001	
5 SEC	-0.00001	-0.00002	-0.00002	-0.00004	-0.00007	-0.00009	-0.00013	-0.00001	-0.00002	-0.00004	-0.00004	-0.00007	-0.00010	5 SEC	-0.00001	-0.00002	-0.00002	-0.00004	-0.00004	-0.00007	-0.00009	-0.00013	-0.00001	-0.00002	
10 SEC	-0.00002	-0.00003	-0.00003	-0.00006	-0.00010	-0.00013	-0.00017	-0.00002	-0.00003	-0.00006	-0.00006	-0.00010	-0.00013	10 SEC	-0.00002	-0.00003	-0.00003	-0.00006	-0.00006	-0.00010	-0.00013	-0.00002	-0.00003		
30 SEC	-0.00004	-0.00007	-0.00007	-0.00015	-0.00029	-0.00039	-0.00049	-0.00004	-0.00007	-0.00010	-0.00010	-0.00013	-0.00017	30 SEC	-0.00004	-0.00007	-0.00007	-0.00015	-0.00015	-0.00017	-0.00017	-0.00004	-0.00007		
60 SEC	-0.00007	-0.00015	-0.00015	-0.00030	-0.00055	-0.00074	-0.00094	-0.00007	-0.00010	-0.00013	-0.00013	-0.00017	-0.00021	60 SEC	-0.00007	-0.00010	-0.00010	-0.00016	-0.00016	-0.00017	-0.00017	-0.00007	-0.00010		
2 MIN	-0.00017	-0.00034	-0.00034	-0.00069	-0.00110	-0.00148	-0.00196	-0.00017	-0.00021	-0.00024	-0.00024	-0.00027	-0.00031	2 MIN	-0.00017	-0.00016	-0.00016	-0.00031	-0.00031	-0.00031	-0.00031	-0.00017	-0.00016		
5 MIN	-0.00032	-0.00064	-0.00064	-0.00128	-0.00211	-0.00273	-0.00336	-0.00032	-0.00034	-0.00037	-0.00037	-0.00037	-0.00037	5 MIN	-0.00032	-0.00031	-0.00031	-0.00045	-0.00045	-0.00045	-0.00045	-0.00032	-0.00031		
10 MIN	-0.00059	-0.00118	-0.00118	-0.00236	-0.00415	-0.00528	-0.00673	-0.00059	-0.00059	-0.00059	-0.00059	-0.00059	-0.00059	10 MIN	-0.00059	-0.00054	-0.00054	-0.00136	-0.00136	-0.00136	-0.00136	-0.00059	-0.00054		
30 MIN	-0.00096	-0.00191	-0.00191	-0.00382	-0.00645	-0.00843	-0.01047	-0.00096	-0.00096	-0.00096	-0.00096	-0.00096	-0.00096	30 MIN	-0.00096	-0.00093	-0.00093	-0.00191	-0.00191	-0.00191	-0.00191	-0.00096	-0.00093		
60 MIN	-0.00168	-0.00336	-0.00336	-0.00673	-0.01346	-0.01618	-0.01938	-0.00168	-0.00168	-0.00168	-0.00168	-0.00168	-0.00168	60 MIN	-0.00168	-0.00177	-0.00177	-0.00425	-0.00425	-0.00425	-0.00425	-0.00168	-0.00177		
2 HR	-0.00279	-0.00558	-0.00558	-0.01117	-0.02234	-0.02896	-0.03620	-0.00279	-0.00279	-0.00279	-0.00279	-0.00279	-0.00279	2 HR	-0.00279	-0.00297	-0.00297	-0.00454	-0.00454	-0.00454	-0.00454	-0.00279	-0.00297		
4 HR	-0.00451	-0.00902	-0.00902	-0.01804	-0.03608	-0.04593	-0.05743	-0.00451	-0.00451	-0.00451	-0.00451	-0.00451	-0.00451	4 HR	-0.00451	-0.00480	-0.00480	-0.00981	-0.00981	-0.00981	-0.00981	-0.00451	-0.00480		
8 HR	-0.00631	-0.01262	-0.01262	-0.02524	-0.05048	-0.06310	-0.07868	-0.00631	-0.00631	-0.00631	-0.00631	-0.00631	-0.00631	8 HR	-0.00631	-0.00618	-0.00618	-0.01264	-0.01264	-0.01264	-0.01264	-0.00631	-0.00618		
12 HR	-0.00806	-0.01648	-0.01648	-0.03296	-0.06592	-0.08160	-0.10064	-0.00806	-0.00806	-0.00806	-0.00806	-0.00806	-0.00806	12 HR	-0.00806	-0.00832	-0.00832	-0.01554	-0.01554	-0.01554	-0.01554	-0.00806	-0.00832		
24 HR	-0.01006	-0.02012	-0.02012	-0.04024	-0.08048	-0.10061	-0.12411	-0.01006	-0.01006	-0.01006	-0.01006	-0.01006	-0.01006	24 HR	-0.01006	-0.01003	-0.01003	-0.02012	-0.02012	-0.02012	-0.02012	-0.01006	-0.01003		
36 HR	-0.01381	-0.02762	-0.02762	-0.05524	-0.11048	-0.13696	-0.16743	-0.01381	-0.01381	-0.01381	-0.01381	-0.01381	-0.01381	36 HR	-0.01381	-0.01377	-0.01377	-0.02762	-0.02762	-0.02762	-0.02762	-0.01381	-0.01377		
48 HR	-0.01756	-0.03512	-0.03512	-0.07024	-0.14096	-0.17392	-0.21136	-0.01756	-0.01756	-0.01756	-0.01756	-0.01756	-0.01756	48 HR	-0.01756	-0.01750	-0.01750	-0.03512	-0.03512	-0.03512	-0.03512	-0.01756	-0.01750		
60 HR	-0.02131	-0.04262	-0.04262	-0.08524	-0.17096	-0.20896	-0.25136	-0.02131	-0.02131	-0.02131	-0.02131	-0.02131	-0.02131	60 HR	-0.02131	-0.02124	-0.02124	-0.04262	-0.04262	-0.04262	-0.04262	-0.02131	-0.02124		
72 HR	-0.02506	-0.05012	-0.05012	-0.10048	-0.20096	-0.24392	-0.29136	-0.02506	-0.02506	-0.02506	-0.02506	-0.02506	-0.02506	72 HR	-0.02506	-0.02500	-0.02500	-0.05012	-0.05012	-0.05012	-0.05012	-0.02506	-0.02500		
84 HR	-0.02881	-0.05762	-0.05762	-0.11524	-0.23096	-0.27896	-0.33136	-0.02881	-0.02881	-0.02881	-0.02881	-0.02881	-0.02881	84 HR	-0.02881	-0.02874	-0.02874	-0.05762	-0.05762	-0.05762	-0.05762	-0.02881	-0.02874		
96 HR	-0.03256	-0.06512	-0.06512	-0.13008	-0.25596	-0.30896	-0.36640	-0.03256	-0.03256	-0.03256	-0.03256	-0.03256	-0.03256	96 HR	-0.03256	-0.03249	-0.03249	-0.06512	-0.06512	-0.06512	-0.06512	-0.03256	-0.03249		
108 HR	-0.03631	-0.07262	-0.07262	-0.14480	-0.28096	-0.33896	-0.40136	-0.03631	-0.03631	-0.03631	-0.03631	-0.03631	-0.03631	108 HR	-0.03631	-0.03624	-0.03624	-0.07262	-0.07262	-0.07262	-0.07262	-0.03631	-0.03624		
120 HR	-0.04006	-0.08012	-0.08012	-0.15952	-0.30596	-0.36896	-0.43584	-0.04006	-0.04006	-0.04006	-0.04006	-0.04006	-0.04006	120 HR	-0.04006	-0.04000	-0.04000	-0.08012	-0.08012	-0.08012	-0.08012	-0.04006	-0.04000		
132 HR	-0.04381	-0.08762	-0.08762	-0.17424	-0.33096	-0.39896	-0.47072	-0.04381	-0.04381	-0.04381	-0.04381	-0.04381	-0.04381	132 HR	-0.04381	-0.04374	-0.04374	-0.08762	-0.08762	-0.08762	-0.08762	-0.04381	-0.04374		
SAT I	0.44785	0.42428	0.37714	0.23571	0.11786	0.0	0.0	0.45905	0.43489	0.38657	0.24160	0.12080	0.0	SAT I	0.45905	0.43489	0.38657	0.24160	0.12080	0.0	0.0	0.45905	0.43489		
SAT X	0.02411	0.02406	0.02394	0.02333	0.02184	0.0	0.0	0.02413	0.02408	0.02397	0.02337	0.02190	0.0	SAT X	0.02413	0.02408	0.02397	0.02337	0.02190	0.0	0.0	0.02413	0.02408		
SAT IODINE BEFORE POWER CHANGE													SAT IODINE BEFORE POWER CHANGE												
SAT XENON BEFORE POWER CHANGE													SAT XENON BEFORE POWER CHANGE												
0.47142													0.48321												
0.02415													0.02418												

INITIAL MW/KG 8.40

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00001	-0.00003	-0.00005	-0.00007
10 SEC	-0.00001	-0.00001	-0.00003	-0.00007	-0.00010	-0.00014
30 SEC	-0.00002	-0.00004	-0.00008	-0.00021	-0.00031	-0.00041
60 SEC	-0.00004	-0.00008	-0.00016	-0.00041	-0.00062	-0.00082
2 MIN	-0.00008	-0.00016	-0.00032	-0.00081	-0.00122	-0.00165
5 MIN	-0.00019	-0.00038	-0.00076	-0.00196	-0.00300	-0.00410
10 MIN	-0.00034	-0.00069	-0.00141	-0.00372	-0.00583	-0.00813
30 MIN	-0.00074	-0.00151	-0.00317	-0.00914	-0.01555	-0.02366
60 MIN	-0.00096	-0.00199	-0.00429	-0.01379	-0.02617	-0.04520
2 HR	-0.00097	-0.00205	-0.00456	-0.01673	-0.03765	-0.08250
4 HR	-0.00080	-0.00168	-0.00379	-0.01513	-0.04132	-0.13736
8 HR	-0.00051	-0.00108	-0.00244	-0.00988	-0.03013	-0.19020
12 HR	-0.00032	-0.00068	-0.00154	-0.00625	-0.01945	-0.19706
24 HR	-0.00006	-0.00013	-0.00030	-0.00124	-0.00403	-0.12630
36 HR	0.00001	0.00003	0.00006	0.00021	0.00042	-0.05428
48 HR	0.00003	0.00007	0.00016	0.00062	0.00171	-0.01263
60 HR	0.00004	0.00009	0.00019	0.00074	0.00208	-0.00783
72 HR	0.00004	0.00009	0.00020	0.00078	0.00218	0.01715
84 HR	0.00004	0.00009	0.00020	0.00079	0.00221	0.02122
96 HR	0.00004	0.00009	0.00020	0.00079	0.00222	0.02296
108 HR	0.00004	0.00009	0.00020	0.00079	0.00222	0.02327
120 HR	0.00004	0.00009	0.00020	0.00079	0.00222	0.02399
132 HR	0.00004	0.00009	0.00020	0.00079	0.00223	0.02411
SAT I	0.47025	0.44550	0.39600	0.24750	0.12375	0.
SAT X	0.02415	0.02410	0.02399	0.02341	0.02197	0.

SAT IODINE BEFORE POWER CHANGE 0.49500
 SAT XENON BEFORE POWER CHANGE 0.02420

INITIAL MW/KG 8.80

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00001	-0.00004	-0.00005	-0.00007
10 SEC	-0.00001	-0.00001	-0.00003	-0.00007	-0.00011	-0.00014
30 SEC	-0.00002	-0.00004	-0.00009	-0.00022	-0.00032	-0.00043
60 SEC	-0.00004	-0.00009	-0.00017	-0.00043	-0.00065	-0.00086
2 MIN	-0.00008	-0.00017	-0.00034	-0.00085	-0.00128	-0.00173
5 MIN	-0.00020	-0.00040	-0.00080	-0.00205	-0.00315	-0.00430
10 MIN	-0.00036	-0.00072	-0.00147	-0.00389	-0.00611	-0.00853
30 MIN	-0.00076	-0.00156	-0.00327	-0.00948	-0.01622	-0.02483
60 MIN	-0.00097	-0.00202	-0.00437	-0.01417	-0.02714	-0.04744
2 HR	-0.00098	-0.00206	-0.00459	-0.01697	-0.03868	-0.08658
4 HR	-0.00080	-0.00169	-0.00380	-0.01519	-0.04190	-0.14419
8 HR	-0.00051	-0.00108	-0.00244	-0.00990	-0.03024	-0.19976
12 HR	-0.00032	-0.00069	-0.00155	-0.00628	-0.01950	-0.20711
24 HR	-0.00006	-0.00014	-0.00031	-0.00127	-0.00410	-0.13324
36 HR	0.00001	0.00003	0.00006	0.00021	0.00043	-0.05791
48 HR	0.00003	0.00007	0.00015	0.00059	0.00162	-0.01432
60 HR	0.00004	0.00009	0.00018	0.00071	0.00199	0.00710
72 HR	0.00004	0.00009	0.00019	0.00074	0.00210	0.01685
84 HR	0.00004	0.00009	0.00019	0.00075	0.00213	0.02112
96 HR	0.00004	0.00009	0.00019	0.00076	0.00214	0.02294
108 HR	0.00004	0.00009	0.00019	0.00076	0.00214	0.02327
120 HR	0.00004	0.00009	0.00019	0.00076	0.00214	0.02401
132 HR	0.00004	0.00009	0.00019	0.00076	0.00214	0.02414
SAT I	0.49264	0.46671	0.41485	0.25928	0.12964	0.
SAT X	0.02419	0.02415	0.02404	0.02347	0.02209	0.

SAT IODINE BEFORE POWER CHANGE 0.51857
 SAT XENON BEFORE POWER CHANGE 0.02423

INITIAL MW/KG 8.60

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00001	-0.00004	-0.00005	-0.00007
10 SEC	-0.00001	-0.00001	-0.00003	-0.00007	-0.00011	-0.00014
30 SEC	-0.00002	-0.00004	-0.00008	-0.00021	-0.00032	-0.00042
60 SEC	-0.00004	-0.00008	-0.00016	-0.00042	-0.00063	-0.00084
2 MIN	-0.00008	-0.00016	-0.00033	-0.00083	-0.00125	-0.00169
5 MIN	-0.00019	-0.00039	-0.00078	-0.00201	-0.00308	-0.00420
10 MIN	-0.00035	-0.00071	-0.00144	-0.00380	-0.00597	-0.00833
30 MIN	-0.00075	-0.00153	-0.00322	-0.00931	-0.01588	-0.02424
60 MIN	-0.00096	-0.00200	-0.00433	-0.01378	-0.02666	-0.04632
2 HR	-0.00097	-0.00205	-0.00457	-0.01686	-0.03817	-0.08454
4 HR	-0.00080	-0.00168	-0.00390	-0.01516	-0.04162	-0.14078
8 HR	-0.00051	-0.00108	-0.00244	-0.00989	-0.03019	-0.19498
12 HR	-0.00032	-0.00068	-0.00154	-0.00627	-0.01947	-0.20209
24 HR	-0.00006	-0.00013	-0.00030	-0.00125	-0.00407	-0.12977
36 HR	0.00001	0.00003	0.00006	0.00021	0.00043	-0.05609
48 HR	0.00003	0.00007	0.00015	0.00059	0.00162	-0.01348
60 HR	0.00004	0.00009	0.00018	0.00074	0.00203	0.00746
72 HR	0.00004	0.00009	0.00019	0.00076	0.00214	0.01700
84 HR	0.00004	0.00009	0.00020	0.00077	0.00217	0.02117
96 HR	0.00004	0.00009	0.00020	0.00077	0.00218	0.02295
108 HR	0.00004	0.00009	0.00020	0.00077	0.00218	0.02327
120 HR	0.00004	0.00009	0.00020	0.00077	0.00218	0.02400
132 HR	0.00004	0.00009	0.00020	0.00077	0.00218	0.02413
SAT I	0.48144	0.45610	0.40542	0.25339	0.12670	0.
SAT X	0.02417	0.02413	0.02402	0.02344	0.02203	0.

SAT IODINE BEFORE POWER CHANGE 0.50678
 SAT XENON BEFORE POWER CHANGE 0.02421

INITIAL MW/KG 9.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00001	-0.00004	-0.00006	-0.00007
10 SEC	-0.00001	-0.00001	-0.00003	-0.00007	-0.00011	-0.00014
30 SEC	-0.00002	-0.00004	-0.00009	-0.00022	-0.00033	-0.00044
60 SEC	-0.00004	-0.00009	-0.00017	-0.00044	-0.00066	-0.00089
2 MIN	-0.00009	-0.00017	-0.00034	-0.00087	-0.00131	-0.00177
5 MIN	-0.00020	-0.00040	-0.00080	-0.00210	-0.00322	-0.00440
10 MIN	-0.00037	-0.00074	-0.00150	-0.00397	-0.00624	-0.00873
30 MIN	-0.00077	-0.00158	-0.00331	-0.00964	-0.01655	-0.02541
60 MIN	-0.00098	-0.00203	-0.00441	-0.01435	-0.02762	-0.04855
2 HR	-0.00098	-0.00206	-0.00460	-0.01708	-0.03918	-0.08862
4 HR	-0.00080	-0.00169	-0.00380	-0.01521	-0.04217	-0.14761
8 HR	-0.00051	-0.00109	-0.00245	-0.00991	-0.03028	-0.20454
12 HR	-0.00033	-0.00069	-0.00155	-0.00629	-0.01952	-0.21214
24 HR	-0.00007	-0.00014	-0.00031	-0.00128	-0.00413	-0.13672
36 HR	0.00001	0.00003	0.00006	0.00021	0.00043	-0.05972
48 HR	0.00003	0.00007	0.00015	0.00057	0.00158	-0.01516
60 HR	0.00004	0.00009	0.00018	0.00069	0.00195	0.00673
72 HR	0.00004	0.00009	0.00019	0.00073	0.00206	0.01671
84 HR	0.00004	0.00009	0.00020	0.00074	0.00209	0.02107
96 HR	0.00004	0.00009	0.00020	0.00074	0.00210	0.02292
108 HR	0.00004	0.00009	0.00020	0.00074	0.00210	0.02326
120 HR	0.00004	0.00009	0.00020	0.00074	0.00210	0.02402
132 HR	0.00004	0.00009	0.00020	0.00074	0.00210	0.02416
SAT I	0.50383	0.47732	0.42428	0.26518	0.13259	0.
SAT X	0.02421	0.02416	0.02406	0.02351	0.02215	0.

SAT IODINE BEFORE POWER CHANGE 0.53035
 SAT XENON BEFORE POWER CHANGE 0.02425

INITIAL MW/KG 9.20

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00002	-0.00004	-0.00006	-0.00008
10 SEC	-0.00001	-0.00002	-0.00003	-0.00008	-0.00011	-0.00015
30 SEC	-0.00002	-0.00004	-0.00009	-0.00023	-0.00034	-0.00045
60 SEC	-0.00004	-0.00009	-0.00018	-0.00045	-0.00068	-0.00091
2 MIN	-0.00009	-0.00017	-0.00035	-0.00089	-0.00134	-0.00181
5 MIN	-0.00021	-0.00041	-0.00083	-0.00214	-0.00329	-0.00450
10 MIN	-0.00037	-0.00075	-0.00153	-0.00405	-0.00638	-0.00893
30 MIN	-0.00078	-0.00160	-0.00336	-0.00981	-0.01688	-0.02599
60 MIN	-0.00098	-0.00205	-0.00444	-0.01453	-0.02809	-0.04967
2 HR	-0.00098	-0.00207	-0.00461	-0.01719	-0.03966	-0.09067
4 HR	-0.00080	-0.00169	-0.00380	-0.01523	-0.04242	-0.15103
8 HR	-0.00051	-0.00109	-0.00245	-0.00991	-0.03032	-0.20932
12 HR	-0.00033	-0.00069	-0.00155	-0.00630	-0.01953	-0.21716
24 HR	-0.00007	-0.00014	-0.00032	-0.00130	-0.00417	-0.14019
36 HR	0.00001	0.00002	0.00004	0.00015	0.00027	-0.06154
48 HR	0.00003	0.00006	0.00014	0.00056	0.00154	-0.01601
60 HR	0.00004	0.00008	0.00017	0.00068	0.00191	0.00636
72 HR	0.00004	0.00008	0.00018	0.00071	0.00202	0.01656
84 HR	0.00004	0.00008	0.00019	0.00072	0.00205	0.02101
96 HR	0.00004	0.00008	0.00019	0.00073	0.00206	0.02291
108 HR	0.00004	0.00008	0.00019	0.00073	0.00206	0.02326
120 HR	0.00004	0.00008	0.00019	0.00073	0.00206	0.02404
132 HR	0.00004	0.00008	0.00019	0.00073	0.00206	0.02417
SAT I	0.51503	0.48792	0.43371	0.27107	0.13553	0.
SAT X	0.02423	0.02418	0.02408	0.02354	0.02221	0.

SAT IODINE BEFORE POWER CHANGE 0.54214
 SAT XENON BEFORE POWER CHANGE 0.02427

INITIAL MW/KG 9.60

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00002	-0.00004	-0.00006	-0.00008
10 SEC	-0.00001	-0.00002	-0.00003	-0.00008	-0.00012	-0.00016
30 SEC	-0.00002	-0.00005	-0.00009	-0.00024	-0.00035	-0.00047
60 SEC	-0.00005	-0.00009	-0.00019	-0.00047	-0.00071	-0.00095
2 MIN	-0.00009	-0.00018	-0.00037	-0.00093	-0.00140	-0.00189
5 MIN	-0.00021	-0.00043	-0.00087	-0.00223	-0.00344	-0.00470
10 MIN	-0.00039	-0.00078	-0.00159	-0.00422	-0.00665	-0.00933
30 MIN	-0.00080	-0.00164	-0.00345	-0.01013	-0.01753	-0.02716
60 MIN	-0.00100	-0.00207	-0.00451	-0.01487	-0.02902	-0.05190
2 HR	-0.00098	-0.00207	-0.00463	-0.01738	-0.04059	-0.09475
4 HR	-0.00080	-0.00169	-0.00381	-0.01527	-0.04289	-0.15786
8 HR	-0.00052	-0.00109	-0.00246	-0.00993	-0.03039	-0.21889
12 HR	-0.00033	-0.00069	-0.00156	-0.00632	-0.01957	-0.22721
24 HR	-0.00007	-0.00014	-0.00032	-0.00132	-0.00423	-0.14714
36 HR	0.00001	0.00002	0.00003	0.00012	0.00020	-0.06517
48 HR	0.00003	0.00006	0.00014	0.00053	0.00147	-0.01770
60 HR	0.00004	0.00007	0.00017	0.00065	0.00184	0.00563
72 HR	0.00004	0.00008	0.00018	0.00069	0.00194	0.01626
84 HR	0.00004	0.00008	0.00018	0.00070	0.00197	0.02090
96 HR	0.00004	0.00008	0.00018	0.00070	0.00198	0.02288
108 HR	0.00004	0.00008	0.00018	0.00070	0.00198	0.02324
120 HR	0.00004	0.00008	0.00018	0.00070	0.00199	0.02406
132 HR	0.00004	0.00008	0.00018	0.00070	0.00199	0.02420
SAT I	0.53742	0.50914	0.45257	0.28285	0.14143	0.
SAT X	0.02426	0.02422	0.02412	0.02360	0.02231	0.

SAT IODINE BEFORE POWER CHANGE 0.56571
 SAT XENON BEFORE POWER CHANGE 0.02430

INITIAL MW/KG 9.40

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00002	-0.00004	-0.00006	-0.00008
10 SEC	-0.00001	-0.00002	-0.00003	-0.00008	-0.00012	-0.00016
30 SEC	-0.00002	-0.00005	-0.00009	-0.00023	-0.00035	-0.00046
60 SEC	-0.00005	-0.00009	-0.00018	-0.00046	-0.00069	-0.00091
2 MIN	-0.00009	-0.00018	-0.00036	-0.00091	-0.00137	-0.00185
5 MIN	-0.00021	-0.00042	-0.00085	-0.00219	-0.00337	-0.00460
10 MIN	-0.00038	-0.00077	-0.00156	-0.00414	-0.00652	-0.00913
30 MIN	-0.00079	-0.00162	-0.00341	-0.00997	-0.01720	-0.02658
60 MIN	-0.00099	-0.00206	-0.00448	-0.01470	-0.02856	-0.05079
2 HR	-0.00098	-0.00207	-0.00462	-0.01729	-0.04013	-0.09271
4 HR	-0.00080	-0.00169	-0.00381	-0.01526	-0.04266	-0.15444
8 HR	-0.00051	-0.00109	-0.00245	-0.00992	-0.03036	-0.21410
12 HR	-0.00033	-0.00069	-0.00156	-0.00631	-0.01955	-0.22219
24 HR	-0.00007	-0.00014	-0.00032	-0.00131	-0.00420	-0.14367
36 HR	0.00001	0.00002	0.00004	0.00013	0.00023	-0.06335
48 HR	0.00003	0.00006	0.00014	0.00055	0.00151	-0.01686
60 HR	0.00004	0.00008	0.00017	0.00067	0.00187	0.00600
72 HR	0.00004	0.00008	0.00018	0.00070	0.00198	0.01641
84 HR	0.00004	0.00008	0.00018	0.00071	0.00201	0.02096
96 HR	0.00004	0.00008	0.00018	0.00071	0.00202	0.02290
108 HR	0.00004	0.00008	0.00018	0.00071	0.00202	0.02325
120 HR	0.00004	0.00008	0.00018	0.00071	0.00202	0.02405
132 HR	0.00004	0.00008	0.00018	0.00071	0.00202	0.02419
SAT I	0.52623	0.49853	0.44314	0.27696	0.13848	0.
SAT X	0.02424	0.02420	0.02410	0.02357	0.02226	0.

SAT IODINE BEFORE POWER CHANGE 0.55392
 SAT XENON BEFORE POWER CHANGE 0.02428

INITIAL MW/KG 9.80

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00002	-0.00004	-0.00006	-0.00008
10 SEC	-0.00001	-0.00002	-0.00003	-0.00008	-0.00012	-0.00016
30 SEC	-0.00002	-0.00005	-0.00009	-0.00024	-0.00036	-0.00048
60 SEC	-0.00005	-0.00009	-0.00019	-0.00048	-0.00072	-0.00097
2 MIN	-0.00009	-0.00019	-0.00037	-0.00095	-0.00143	-0.00193
5 MIN	-0.00022	-0.00044	-0.00088	-0.00228	-0.00351	-0.00480
10 MIN	-0.00039	-0.00079	-0.00162	-0.00430	-0.00679	-0.00953
30 MIN	-0.00081	-0.00166	-0.00349	-0.01029	-0.01785	-0.02775
60 MIN	-0.00100	-0.00209	-0.00454	-0.01504	-0.02947	-0.05302
2 HR	-0.00099	-0.00208	-0.00464	-0.01747	-0.04104	-0.09679
4 HR	-0.00080	-0.00169	-0.00381	-0.01529	-0.04311	-0.16128
8 HR	-0.00052	-0.00109	-0.00246	-0.00994	-0.03043	-0.22367
12 HR	-0.00033	-0.00069	-0.00156	-0.00633	-0.01959	-0.23224
24 HR	-0.00007	-0.00014	-0.00033	-0.00133	-0.00425	-0.15062
36 HR	0.00001	0.00002	0.00003	0.00011	0.00016	-0.06698
48 HR	0.00003	0.00006	0.00013	0.00052	0.00144	-0.01855
60 HR	0.00004	0.00007	0.00016	0.00064	0.00180	0.00526
72 HR	0.00004	0.00008	0.00017	0.00067	0.00191	0.01611
84 HR	0.00004	0.00008	0.00017	0.00068	0.00194	0.02085
96 HR	0.00004	0.00008	0.00018	0.00069	0.00195	0.02287
108 HR	0.00004	0.00008	0.00018	0.00069	0.00195	0.02324
120 HR	0.00004	0.00008	0.00018	0.00069	0.00195	0.02407
132 HR	0.00004	0.00008	0.00018	0.00069	0.00195	0.02421
SAT I	0.54862	0.51975	0.46200	0.28875	0.14437	0.
SAT X	0.02428	0.02423	0.02414	0.02363	0.02236	0.

SAT IODINE BEFORE POWER CHANGE 0.57749
 SAT XENON BEFORE POWER CHANGE 0.02431

INITIAL MW/KG 10.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00002	-0.00004	-0.00006	-0.00008
10 SEC	-0.00001	-0.00002	-0.00003	-0.00008	-0.00012	-0.00016
30 SEC	-0.00002	-0.00005	-0.00010	-0.00025	-0.00037	-0.00049
60 SEC	-0.00005	-0.00010	-0.00019	-0.00049	-0.00074	-0.00099
2 MIN	-0.00009	-0.00019	-0.00038	-0.00096	-0.00146	-0.00197
5 MIN	-0.00022	-0.00045	-0.00090	-0.00233	-0.00358	-0.00490
10 MIN	-0.00040	-0.00081	-0.00165	-0.00438	-0.00692	-0.00974
30 MIN	-0.00082	-0.00168	-0.00354	-0.01045	-0.01817	-0.02833
60 MIN	-0.00101	-0.00210	-0.00457	-0.01520	-0.02992	-0.05414
2 HR	-0.00099	-0.00208	-0.00465	-0.01756	-0.04148	-0.09884
4 HR	-0.00080	-0.00169	-0.00381	-0.01531	-0.04332	-0.16469
8 HR	-0.00052	-0.00109	-0.00246	-0.00995	-0.03045	-0.22845
12 HR	-0.00033	-0.00069	-0.00157	-0.00634	-0.01960	-0.23726
24 HR	-0.00007	-0.00015	-0.00033	-0.00135	-0.00428	-0.15410
36 HR	0.00001	0.00001	0.00003	0.00009	0.00013	-0.06880
48 HR	0.00003	0.00006	0.00013	0.00051	0.00140	-0.01940
60 HR	0.00003	0.00007	0.00016	0.00063	0.00177	0.00489
72 HR	0.00004	0.00008	0.00017	0.00066	0.00187	0.01596
84 HR	0.00004	0.00008	0.00017	0.00067	0.00190	0.02079
96 HR	0.00004	0.00008	0.00017	0.00067	0.00191	0.02285
108 HR	0.00004	0.00008	0.00017	0.00067	0.00191	0.02323
120 HR	0.00004	0.00008	0.00017	0.00067	0.00192	0.02408
132 HR	0.00004	0.00008	0.00017	0.00067	0.00192	0.02422
SAT I	0.55982	0.53035	0.47142	0.29464	0.14732	0.
SAT X	0.02429	0.02425	0.02415	0.02365	0.02241	0.

SAT IODINE BEFORE POWER CHANGE 0.58928
 SAT XENON BEFORE POWER CHANGE 0.02433

INITIAL MW/KG 12.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00002	-0.00005	-0.00007	-0.00010
10 SEC	-0.00001	-0.00002	-0.00004	-0.00010	-0.00015	-0.00020
30 SEC	-0.00003	-0.00006	-0.00012	-0.00030	-0.00045	-0.00060
60 SEC	-0.00006	-0.00012	-0.00023	-0.00059	-0.00089	-0.00119
2 MIN	-0.00011	-0.00023	-0.00046	-0.00116	-0.00176	-0.00238
5 MIN	-0.00026	-0.00053	-0.00107	-0.00278	-0.00430	-0.00592
10 MIN	-0.00046	-0.00094	-0.00193	-0.00518	-0.00826	-0.01174
30 MIN	-0.00090	-0.00185	-0.00392	-0.01190	-0.02126	-0.03417
60 MIN	-0.00105	-0.00219	-0.00482	-0.01659	-0.03409	-0.06531
2 HR	-0.00100	-0.00210	-0.00471	-0.01821	-0.04528	-0.11927
4 HR	-0.00081	-0.00170	-0.00383	-0.01542	-0.04490	-0.19887
8 HR	-0.00052	-0.00110	-0.00248	-0.01001	-0.03064	-0.27629
12 HR	-0.00033	-0.00071	-0.00159	-0.00642	-0.01973	-0.28754
24 HR	-0.00007	-0.00016	-0.00035	-0.00144	-0.00452	-0.18888
36 HR	0.00000	0.00000	0.00000	-0.00001	-0.00014	-0.08699
48 HR	0.00002	0.00005	0.00010	0.00040	0.00112	-0.02790
60 HR	0.00003	0.00006	0.00013	0.00052	0.00149	0.00117
72 HR	0.00003	0.00006	0.00014	0.00056	0.00159	0.01442
84 HR	0.00003	0.00006	0.00014	0.00057	0.00162	0.02021
96 HR	0.00003	0.00006	0.00014	0.00057	0.00163	0.02268
108 HR	0.00003	0.00006	0.00014	0.00057	0.00163	0.02313
120 HR	0.00003	0.00006	0.00015	0.00057	0.00163	0.02414
132 HR	0.00003	0.00006	0.00015	0.00057	0.00163	0.02432
SAT I	0.67178	0.63642	0.56571	0.35357	0.17678	0.
SAT X	0.02441	0.02438	0.02430	0.02387	0.02281	0.

SAT IODINE BEFORE POWER CHANGE 0.70714
 SAT XENON BEFORE POWER CHANGE 0.02444

INITIAL MW/KG 11.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00000	-0.00001	-0.00002	-0.00005	-0.00007	-0.00009
10 SEC	-0.00001	-0.00002	-0.00004	-0.00009	-0.00014	-0.00018
30 SEC	-0.00003	-0.00005	-0.00011	-0.00027	-0.00041	-0.00054
60 SEC	-0.00005	-0.00011	-0.00021	-0.00054	-0.00081	-0.00109
2 MIN	-0.00010	-0.00021	-0.00042	-0.00106	-0.00161	-0.00217
5 MIN	-0.00024	-0.00049	-0.00099	-0.00255	-0.00394	-0.00541
10 MIN	-0.00043	-0.00088	-0.00179	-0.00478	-0.00760	-0.01074
30 MIN	-0.00086	-0.00177	-0.00374	-0.01120	-0.01974	-0.03125
60 MIN	-0.00103	-0.00215	-0.00471	-0.01594	-0.03207	-0.05972
2 HR	-0.00099	-0.00209	-0.00469	-0.01793	-0.04350	-0.10905
4 HR	-0.00080	-0.00170	-0.00382	-0.01537	-0.04421	-0.18178
8 HR	-0.00052	-0.00110	-0.00247	-0.00998	-0.03056	-0.25237
12 HR	-0.00033	-0.00070	-0.00158	-0.00638	-0.01967	-0.26240
24 HR	-0.00007	-0.00015	-0.00034	-0.00140	-0.00441	-0.17149
36 HR	0.00000	0.00001	0.00001	0.00004	-0.00001	-0.07789
48 HR	0.00002	0.00005	0.00012	0.00045	0.00125	-0.02364
60 HR	0.00003	0.00006	0.00015	0.00057	0.00162	0.00304
72 HR	0.00003	0.00007	0.00015	0.00060	0.00172	0.01519
84 HR	0.00003	0.00007	0.00016	0.00061	0.00175	0.02051
96 HR	0.00003	0.00007	0.00016	0.00062	0.00176	0.02277
108 HR	0.00003	0.00007	0.00016	0.00062	0.00176	0.02318
120 HR	0.00003	0.00007	0.00016	0.00062	0.00176	0.02412
132 HR	0.00003	0.00007	0.00016	0.00062	0.00176	0.02428
SAT I	0.61580	0.58339	0.51857	0.32410	0.16205	0.
SAT X	0.02436	0.02432	0.02423	0.02377	0.02263	0.

SAT IODINE BEFORE POWER CHANGE 0.64821
 SAT XENON BEFORE POWER CHANGE 0.02439

INITIAL MW/KG 13.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00001	-0.00001	-0.00002	-0.00005	-0.00008	-0.00011
10 SEC	-0.00001	-0.00002	-0.00004	-0.00011	-0.00016	-0.00022
30 SEC	-0.00003	-0.00006	-0.00013	-0.00032	-0.00048	-0.00065
60 SEC	-0.00006	-0.00013	-0.00025	-0.00064	-0.00096	-0.00129
2 MIN	-0.00012	-0.00025	-0.00049	-0.00125	-0.00191	-0.00258
5 MIN	-0.00028	-0.00057	-0.00115	-0.00300	-0.00465	-0.00642
10 MIN	-0.00049	-0.00100	-0.00206	-0.00556	-0.00892	-0.01274
30 MIN	-0.00093	-0.00192	-0.00409	-0.01257	-0.02274	-0.03709
60 MIN	-0.00106	-0.00223	-0.00491	-0.01717	-0.03599	-0.07090
2 HR	-0.00100	-0.00211	-0.00473	-0.01844	-0.04685	-0.12949
4 HR	-0.00081	-0.00170	-0.00384	-0.01545	-0.04543	-0.21596
8 HR	-0.00052	-0.00111	-0.00249	-0.01004	-0.03069	-0.30022
12 HR	-0.00034	-0.00071	-0.00160	-0.00645	-0.01978	-0.31269
24 HR	-0.00008	-0.00016	-0.00036	-0.00148	-0.00461	-0.20629
36 HR	-0.00000	-0.00000	-0.00001	-0.00005	-0.00025	-0.09610
48 HR	0.00002	0.00004	0.00009	0.00036	0.00101	-0.03216
60 HR	0.00003	0.00005	0.00012	0.00048	0.00137	-0.00070
72 HR	0.00003	0.00006	0.00013	0.00052	0.00148	0.01364
84 HR	0.00003	0.00006	0.00013	0.00053	0.00151	0.01991
96 HR	0.00003	0.00006	0.00013	0.00053	0.00152	0.02258
108 HR	0.00003	0.00006	0.00013	0.00053	0.00152	0.02307
120 HR	0.00003	0.00006	0.00013	0.00053	0.00152	0.02416
132 HR	0.00003	0.00006	0.00013	0.00053	0.00152	0.02436
SAT I	0.72776	0.68946	0.61285	0.38303	0.19152	0.
SAT X	0.02446	0.02443	0.02435	0.02396	0.02297	0.

SAT IODINE BEFORE POWER CHANGE 0.76606
 SAT XENON BEFORE POWER CHANGE 0.02449

[illegible]

5.					10.					20.					50.					75.					100.																			
TIME		INITIAL	MW/KG	POWER REDUCTION, PERCENT	16.00		POWER REDUCTION, PERCENT		75.		100.		TIME		INITIAL	MW/KG	POWER REDUCTION, PERCENT	17.00		POWER REDUCTION, PERCENT		75.		100.																				
0 SEC	-0.00001	-0.00001	-0.00003	-0.00007	-0.00010	-0.00013	-0.00016	-0.00019	-0.00022	-0.00025	-0.00028	-0.00031	0 SEC	-0.00001	-0.00001	-0.00003	-0.00007	-0.00010	-0.00013	-0.00016	-0.00019	-0.00022	-0.00025	-0.00028	-0.00031																			
5 SEC	-0.00001	-0.00003	-0.00005	-0.00013	-0.00020	-0.00027	-0.00030	-0.00033	-0.00036	-0.00039	-0.00042	-0.00045	5 SEC	-0.00001	-0.00003	-0.00005	-0.00013	-0.00020	-0.00027	-0.00030	-0.00033	-0.00036	-0.00039	-0.00042	-0.00045																			
10 SEC	-0.00004	-0.00008	-0.00016	-0.00040	-0.00060	-0.00080	-0.00100	-0.00120	-0.00140	-0.00160	-0.00180	-0.00200	10 SEC	-0.00004	-0.00008	-0.00016	-0.00040	-0.00060	-0.00080	-0.00100	-0.00120	-0.00140	-0.00160	-0.00180	-0.00200																			
30 SEC	-0.00008	-0.00015	-0.00030	-0.00079	-0.00119	-0.00160	-0.00200	-0.00240	-0.00280	-0.00320	-0.00360	-0.00400	30 SEC	-0.00008	-0.00015	-0.00030	-0.00079	-0.00119	-0.00160	-0.00200	-0.00240	-0.00280	-0.00320	-0.00360	-0.00400																			
60 SEC	-0.00015	-0.00030	-0.00060	-0.00154	-0.00235	-0.00319	-0.00400	-0.00480	-0.00560	-0.00640	-0.00720	-0.00800	60 SEC	-0.00015	-0.00030	-0.00060	-0.00154	-0.00235	-0.00319	-0.00400	-0.00480	-0.00560	-0.00640	-0.00720	-0.00800																			
2 MIN	-0.00034	-0.00068	-0.00139	-0.00365	-0.00571	-0.00794	-0.01086	-0.01375	-0.01675	-0.01975	-0.02275	-0.02575	2 MIN	-0.00034	-0.00068	-0.00139	-0.00365	-0.00571	-0.00794	-0.01086	-0.01375	-0.01675	-0.01975	-0.02275	-0.02575																			
5 MIN	-0.00058	-0.00118	-0.00243	-0.00627	-0.01086	-0.01575	-0.02064	-0.02553	-0.03042	-0.03531	-0.04020	-0.04509	5 MIN	-0.00058	-0.00118	-0.00243	-0.00627	-0.01086	-0.01575	-0.02064	-0.02553	-0.03042	-0.03531	-0.04020	-0.04509																			
10 MIN	-0.00101	-0.00209	-0.00449	-0.01432	-0.02688	-0.04086	-0.05486	-0.06886	-0.08286	-0.09686	-0.11086	-0.12486	10 MIN	-0.00101	-0.00209	-0.00449	-0.01432	-0.02688	-0.04086	-0.05486	-0.06886	-0.08286	-0.09686	-0.11086	-0.12486																			
30 MIN	-0.00109	-0.00230	-0.00510	-0.01852	-0.04099	-0.07666	-0.11233	-0.14800	-0.18366	-0.21933	-0.25500	-0.29066	30 MIN	-0.00109	-0.00230	-0.00510	-0.01852	-0.04099	-0.07666	-0.11233	-0.14800	-0.18366	-0.21933	-0.25500	-0.29066																			
60 MIN	-0.00109	-0.00230	-0.00510	-0.01852	-0.04099	-0.07666	-0.11233	-0.14800	-0.18366	-0.21933	-0.25500	-0.29066	60 MIN	-0.00109	-0.00230	-0.00510	-0.01852	-0.04099	-0.07666	-0.11233	-0.14800	-0.18366	-0.21933	-0.25500	-0.29066																			
2 HR	-0.00101	-0.00212	-0.00476	-0.01886	-0.05499	-0.10144	-0.14800	-0.19456	-0.24112	-0.28768	-0.33424	-0.38080	2 HR	-0.00101	-0.00212	-0.00476	-0.01886	-0.05499	-0.10144	-0.14800	-0.19456	-0.24112	-0.28768	-0.33424	-0.38080																			
4 HR	-0.00081	-0.00171	-0.00356	-0.01551	-0.04639	-0.08724	-0.12800	-0.16876	-0.20952	-0.25028	-0.29104	-0.33180	4 HR	-0.00081	-0.00171	-0.00356	-0.01551	-0.04639	-0.08724	-0.12800	-0.16876	-0.20952	-0.25028	-0.29104	-0.33180																			
8 HR	-0.00053	-0.00111	-0.002251	-0.01010	-0.03701	-0.07370	-0.11040	-0.14710	-0.18380	-0.22050	-0.25720	-0.29390	8 HR	-0.00053	-0.00111	-0.002251	-0.01010	-0.03701	-0.07370	-0.11040	-0.14710	-0.18380	-0.22050	-0.25720	-0.29390																			
12 HR	-0.00034	-0.00072	-0.00162	-0.00652	-0.01890	-0.03681	-0.05472	-0.07264	-0.09056	-0.10848	-0.12640	-0.14432	12 HR	-0.00034	-0.00072	-0.00162	-0.00652	-0.01890	-0.03681	-0.05472	-0.07264	-0.09056	-0.10848	-0.12640	-0.14432																			
24 HR	-0.00008	-0.00017	-0.00039	-0.00157	-0.00483	-0.00965	-0.01448	-0.01931	-0.02414	-0.02897	-0.03380	-0.03863	24 HR	-0.00008	-0.00017	-0.00039	-0.00157	-0.00483	-0.00965	-0.01448	-0.01931	-0.02414	-0.02897	-0.03380	-0.03863																			
36 HR	-0.00001	-0.00001	-0.00003	-0.00014	-0.00049	-0.00098	-0.00147	-0.00196	-0.00245	-0.00294	-0.00343	-0.00392	36 HR	-0.00001	-0.00001	-0.00003	-0.00014	-0.00049	-0.00098	-0.00147	-0.00196	-0.00245	-0.00294	-0.00343	-0.00392																			
48 HR	-0.00001	-0.00001	-0.00003	-0.00014	-0.00049	-0.00098	-0.00147	-0.00196	-0.00245	-0.00294	-0.00343	-0.00392	48 HR	-0.00001	-0.00001	-0.00003	-0.00014	-0.00049	-0.00098	-0.00147	-0.00196	-0.00245	-0.00294	-0.00343	-0.00392																			
60 HR	-0.00002	-0.00004	-0.00010	-0.00032	-0.00076	-0.00122	-0.00168	-0.00214	-0.00260	-0.00306	-0.00352	-0.00398	60 HR	-0.00002	-0.00004	-0.00010	-0.00032	-0.00076	-0.00122	-0.00168	-0.00214	-0.00260	-0.00306	-0.00352	-0.00398																			
72 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390	72 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390																			
84 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390	84 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390																			
96 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390	96 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390																			
108 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390	108 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390																			
120 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390	120 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390																			
132 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390	132 HR	-0.00002	-0.00005	-0.00011	-0.00034	-0.00082	-0.00126	-0.00170	-0.00214	-0.00258	-0.00302	-0.00346	-0.00390																			
SAT 1	0.89571	0.84856	0.75428	0.47142	0.23571	0.	0.23571	0.	0.23571	0.	0.23571	0.	SAT 1	0.89571	0.84856	0.75428	0.47142	0.23571	0.	0.23571	0.	0.23571	0.	0.23571	0.																			
SAT X	0.02457	0.02454	0.02448	0.02415	0.02333	0.	0.02333	0.	0.02333	0.	0.02333	0.	SAT X	0.02457	0.02454	0.02448	0.02415	0.02333	0.	0.02333	0.	0.02333	0.	0.02333	0.																			
SAT IDLINE BEFORE POWER CHANGE					0.94285					0.94285					SAT IDLINE BEFORE POWER CHANGE					0.94285					0.94285					SAT IDLINE BEFORE POWER CHANGE					0.94285					0.94285				
SAT XENON BEFORE POWER CHANGE					0.02459					0.02459					SAT XENON BEFORE POWER CHANGE					0.02459					0.02459					SAT XENON BEFORE POWER CHANGE					0.02459					0.02459				

INITIAL MW/KG 18.00							INITIAL MW/KG 19.00								
POWER REDUCTION, PERCENT							POWER REDUCTION, PERCENT								
5. 10. 20. 50. 75. 100.							5. 10. 20. 50. 75. 100.								
TIME	0 SEC	-0.00001	-0.00001	-0.00003	-0.00007	-0.00011	-0.00015	TIME	0 SEC	-0.00001	-0.00002	-0.00003	-0.00008	-0.00012	-0.00016
5 SEC	-0.00001	-0.00003	-0.00006	-0.00015	-0.00022	-0.00030	-0.00040	5 SEC	-0.00001	-0.00002	-0.00003	-0.00006	-0.00016	-0.00024	-0.00032
10 SEC	-0.00004	-0.00009	-0.00018	-0.00045	-0.00067	-0.00090	-0.00119	10 SEC	-0.00004	-0.00009	-0.00019	-0.00047	-0.00071	-0.00095	-0.00124
30 SEC	-0.00009	-0.00017	-0.00035	-0.00088	-0.00134	-0.00180	-0.00230	30 SEC	-0.00009	-0.00018	-0.00037	-0.00093	-0.00141	-0.00190	-0.00240
60 SEC	-0.00017	-0.00034	-0.00068	-0.00173	-0.00265	-0.00360	-0.00460	60 SEC	-0.00018	-0.00035	-0.00071	-0.00182	-0.00274	-0.00380	-0.00480
2 MIN	-0.00037	-0.00076	-0.00154	-0.00407	-0.00640	-0.00895	-0.01176	2 MIN	-0.00039	-0.00079	-0.00161	-0.00428	-0.00674	-0.00945	-0.01246
5 MIN	-0.00063	-0.00128	-0.00265	-0.00737	-0.01212	-0.01776	-0.02444	5 MIN	-0.00065	-0.00133	-0.00276	-0.00771	-0.01274	-0.01877	-0.02543
10 MIN	-0.00104	-0.00217	-0.00470	-0.01531	-0.02944	-0.05170	-0.08044	10 MIN	-0.00106	-0.00221	-0.00479	-0.01576	-0.03065	-0.05463	-0.08443
30 MIN	-0.00110	-0.00232	-0.00518	-0.01917	-0.04384	-0.09884	-0.16059	30 MIN	-0.00111	-0.00232	-0.00520	-0.01944	-0.04512	-0.10443	-0.17443
60 MIN	-0.00100	-0.00212	-0.00478	-0.01901	-0.05225	-0.10859	-0.18059	60 MIN	-0.00101	-0.00212	-0.00478	-0.01555	-0.04583	-0.10481	-0.17443
2 HR	-0.00081	-0.00172	-0.00386	-0.01554	-0.04672	-0.10143	-0.16987	2 HR	-0.00081	-0.00172	-0.00387	-0.01555	-0.04683	-0.10481	-0.17443
4 HR	-0.00053	-0.00112	-0.00252	-0.01013	-0.03081	-0.06447	-0.11988	4 HR	-0.00053	-0.00112	-0.00252	-0.01014	-0.03087	-0.06447	-0.11988
8 HR	-0.00034	-0.00072	-0.00163	-0.00656	-0.01997	-0.04847	-0.08447	8 HR	-0.00034	-0.00072	-0.00163	-0.00657	-0.01999	-0.04847	-0.08447
12 HR	-0.00008	-0.00018	-0.00040	-0.00161	-0.00694	-0.02938	-0.05447	12 HR	-0.00008	-0.00018	-0.00040	-0.00163	-0.00694	-0.02938	-0.05447
24 HR	-0.00001	-0.00002	-0.00004	-0.00019	-0.00062	-0.01472	-0.02938	24 HR	-0.00001	-0.00002	-0.00004	-0.00019	-0.00062	-0.01472	-0.02938
36 HR	-0.00001	-0.00003	-0.00006	-0.00022	-0.00069	-0.01535	-0.02938	36 HR	-0.00001	-0.00003	-0.00006	-0.00020	-0.00067	-0.01472	-0.02938
48 HR	-0.00002	-0.00004	-0.00009	-0.00034	-0.00099	-0.01831	-0.02938	48 HR	-0.00002	-0.00004	-0.00009	-0.00036	-0.00093	-0.01535	-0.02938
60 HR	-0.00002	-0.00004	-0.00010	-0.00038	-0.00112	-0.02207	-0.02938	60 HR	-0.00002	-0.00004	-0.00009	-0.00037	-0.00103	-0.01831	-0.02938
72 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02267	-0.02938	72 HR	-0.00002	-0.00004	-0.00009	-0.00037	-0.00107	-0.02188	-0.02938
84 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02267	-0.02938	84 HR	-0.00002	-0.00004	-0.00009	-0.00037	-0.00107	-0.02259	-0.02938
96 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02419	-0.02938	96 HR	-0.00002	-0.00004	-0.00009	-0.00037	-0.00108	-0.02419	-0.02938
108 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02419	-0.02938	108 HR	-0.00002	-0.00004	-0.00009	-0.00037	-0.00108	-0.02419	-0.02938
120 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02446	-0.02938	120 HR	-0.00002	-0.00004	-0.00009	-0.00037	-0.00108	-0.02447	-0.02938
132 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02446	-0.02938	132 HR	-0.00002	-0.00004	-0.00009	-0.00037	-0.00108	-0.02447	-0.02938
SAT I	1.00767	0.95463	0.84856	0.55035	0.26518	0.	0.	SAT I	1.00767	0.869571	0.55982	0.27991	0.	0.	0.
SAT X	0.02462	0.02460	0.02454	0.02425	0.02351	0.	0.	SAT X	0.02464	0.02462	0.02457	0.02429	0.02358	0.	0.

SAT I 1.00767 0.95463 0.84856 0.53035 0.26518 0.02351 0.
 SAT X 0.02462 0.02460 0.02454 0.02425 0.02464 0.02464 0.

SAT I 1.06365 1.00767 0.89571 0.55982 0.27991 0.02358 0.
 SAT X 0.02464 0.02462 0.02457 0.02429 0.02466 0.02466 0.

		INITIAL MW/KG		20.00				INITIAL MW/KG		25.00			
		POWER REDUCTION, PERCENT						POWER REDUCTION, PERCENT					
TIME	5.	10.	20.	50.	75.	100.	TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.00001	-0.00002	-0.00003	-0.00008	-0.00013	-0.00017	0 SEC	-0.00001	-0.00002	-0.00004	-0.00010	-0.00016	-0.00021
5 SEC	-0.00002	-0.00003	-0.00007	-0.00017	-0.00025	-0.00033	5 SEC	-0.00002	-0.00004	-0.00008	-0.00021	-0.00031	-0.00042
10 SEC	-0.00003	-0.00010	-0.00020	-0.00050	-0.00075	-0.00100	10 SEC	-0.00003	-0.00012	-0.00025	-0.00062	-0.00094	-0.00126
30 SEC	-0.00019	-0.00039	-0.00078	-0.00194	-0.00294	-0.00400	30 SEC	-0.00016	-0.00048	-0.00122	-0.00366	-0.00581	-0.00826
60 SEC	-0.00037	-0.00075	-0.00149	-0.00360	-0.00548	-0.00755	60 SEC	-0.00033	-0.00092	-0.00238	-0.00687	-0.01126	-0.01692
2 MIN	-0.00041	-0.00083	-0.00169	-0.00448	-0.00708	-0.01096	2 MIN	-0.00049	-0.00125	-0.00333	-0.00960	-0.01631	-0.02479
5 MIN	-0.00068	-0.00138	-0.00284	-0.00718	-0.01335	-0.01977	5 MIN	-0.00078	-0.00235	-0.00518	-0.01794	-0.03134	-0.04716
10 MIN	-0.00107	-0.00224	-0.00487	-0.01618	-0.03183	-0.05755	10 MIN	-0.00112	-0.00236	-0.00529	-0.02049	-0.05134	-0.09216
30 MIN	-0.00101	-0.00212	-0.00478	-0.01910	-0.03633	-0.11001	30 MIN	-0.00101	-0.00213	-0.00479	-0.02049	-0.05134	-0.09216
60 MIN	-0.00111	-0.00212	-0.00478	-0.01910	-0.03633	-0.11001	60 MIN	-0.00111	-0.00213	-0.00479	-0.02049	-0.05134	-0.09216
2 HR	-0.00081	-0.00172	-0.00387	-0.01555	-0.04692	-0.10143	2 HR	-0.00082	-0.00172	-0.00479	-0.01559	-0.04712	-0.10412
4 HR	-0.00053	-0.00112	-0.00253	-0.01015	-0.03084	-0.06447	4 HR	-0.00053	-0.00112	-0.00253	-0.01020	-0.03089	-0.05845
8 HR	-0.00034	-0.00072	-0.00163	-0.00656	-0.01997	-0.04847	8 HR	-0.00034	-0.00072	-0.00163	-0.00664	-0.02012	-0.05162
12 HR	-0.00008	-0.00018	-0.00040	-0.00161	-0.00694	-0.02938	12 HR	-0.00009	-0.00019	-0.00047	-0.00667	-0.02057	-0.05162
36 HR	-0.00001	-0.00002	-0.00004	-0.00019	-0.00062	-0.01472	36 HR	-0.00001	-0.00003	-0.00007	-0.00012	-0.00033	-0.00067
48 HR	-0.00001	-0.00003	-0.00006	-0.00022	-0.00069	-0.01014	48 HR	-0.00001	-0.00003	-0.00006	-0.00012	-0.00033	-0.00067
60 HR	-0.00002	-0.00004	-0.00009	-0.00034	-0.00099	-0.01535	60 HR	-0.00002	-0.00004	-0.00009	-0.00034	-0.00067	-0.00094
72 HR	-0.00002	-0.00004	-0.00010	-0.00038	-0.00112	-0.01831	72 HR	-0.00002	-0.00004	-0.00010	-0.00038	-0.00067	-0.00094
84 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02207	84 HR	-0.00002	-0.00004	-0.00010	-0.00038	-0.00067	-0.00094
96 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02446	96 HR	-0.00002	-0.00004	-0.00010	-0.00038	-0.00067	-0.00094
108 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02446	108 HR	-0.00002	-0.00004	-0.00010	-0.00038	-0.00067	-0.00094
120 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02446	120 HR	-0.00002	-0.00004	-0.00010	-0.00038	-0.00067	-0.00094
132 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00113	-0.02446	132 HR	-0.00002	-0.00004	-0.00010	-0.00038	-0.00067	-0.00094

SAT I 1.39954 1.32588 1.17856 0.73660 0.36830 0.02392 0.
 SAT X 0.02473 0.02472 0.02468 0.02447 0.02392 0.02475 0.

TIME	-0.00001	-0.00002	-0.00003	-0.00008	-0.00013	-0.00017	-0.00025	-0.00033	-0.00042	-0.00050	-0.00059	-0.00067	-0.00075	-0.00082	-0.00089	-0.00096	-0.00103	-0.00110	-0.00117	-0.00124	-0.00131	-0.00138	-0.00145	-0.00152	-0.00159	-0.00166	-0.00173	-0.00180	-0.00187	-0.00194	-0.00201	-0.00208	-0.00215	-0.00222	-0.00229	-0.00236	-0.00243	-0.00250	-0.00257	-0.00264	-0.00271	-0.00278	-0.00285	-0.00292	-0.00299	-0.00306	-0.00313	-0.00320	-0.00327	-0.00334	-0.00341	-0.00348	-0.00355	-0.00362	-0.00369	-0.00376	-0.00383	-0.00390	-0.00397	-0.00404	-0.00411	-0.00418	-0.00425	-0.00432	-0.00439	-0.00446	-0.00453	-0.00460	-0.00467	-0.00474	-0.00481	-0.00488	-0.00495	-0.00502	-0.00509	-0.00516	-0.00523	-0.00530	-0.00537	-0.00544	-0.00551	-0.00558	-0.00565	-0.00572	-0.00579	-0.00586	-0.00593	-0.00600	-0.00607	-0.00614	-0.00621	-0.00628	-0.00635	-0.00642	-0.00649	-0.00656	-0.00663	-0.00670	-0.00677	-0.00684	-0.00691	-0.00698	-0.00705	-0.00712	-0.00719	-0.00726	-0.00733	-0.00740	-0.00747	-0.00754	-0.00761	-0.00768	-0.00775	-0.00782	-0.00789	-0.00796	-0.00803	-0.00810	-0.00817	-0.00824	-0.00831	-0.00838	-0.00845	-0.00852	-0.00859	-0.00866	-0.00873	-0.00880	-0.00887	-0.00894	-0.00901	-0.00908	-0.00915	-0.00922	-0.00929	-0.00936	-0.00943	-0.00950	-0.00957	-0.00964	-0.00971	-0.00978	-0.00985	-0.00992	-0.00999	-0.01006	-0.01013	-0.01020	-0.01027	-0.01034	-0.01041	-0.01048	-0.01055	-0.01062	-0.01069	-0.01076	-0.01083	-0.01090	-0.01097	-0.01104	-0.01111	-0.01118	-0.01125	-0.01132	-0.01139	-0.01146	-0.01153	-0.01160	-0.01167	-0.01174	-0.01181	-0.01188	-0.01195	-0.01202	-0.01209	-0.01216	-0.01223	-0.01230	-0.01237	-0.01244	-0.01251	-0.01258	-0.01265	-0.01272	-0.01279	-0.01286	-0.01293	-0.01300	-0.01307	-0.01314	-0.01321	-0.01328	-0.01335	-0.01342	-0.01349	-0.01356	-0.01363	-0.01370	-0.01377	-0.01384	-0.01391	-0.01398	-0.01405	-0.01412	-0.01419	-0.01426	-0.01433	-0.01440	-0.01447	-0.01454	-0.01461	-0.01468	-0.01475	-0.01482	-0.01489	-0.01496	-0.01503	-0.01510	-0.01517	-0.01524	-0.01531	-0.01538	-0.01545	-0.01552	-0.01559	-0.01566	-0.01573	-0.01580	-0.01587	-0.01594	-0.01601	-0.01608	-0.01615	-0.01622	-0.01629	-0.01636	-0.01643	-0.01650	-0.01657	-0.01664	-0.01671	-0.01678	-0.01685	-0.01692	-0.01699	-0.01706	-0.01713	-0.01720	-0.01727	-0.01734	-0.01741	-0.01748	-0.01755	-0.01762	-0.01769	-0.01776	-0.01783	-0.01790	-0.01797	-0.01804	-0.01811	-0.01818	-0.01825	-0.01832	-0.01839	-0.01846	-0.01853	-0.01860	-0.01867	-0.01874	-0.01881	-0.01888	-0.01895	-0.01902	-0.01909	-0.01916	-0.01923	-0.01930	-0.01937	-0.01944	-0.01951	-0.01958	-0.01965	-0.01972	-0.01979	-0.01986	-0.01993	-0.01999	-0.02006	-0.02013	-0.02020	-0.02027	-0.02034	-0.02041	-0.02048	-0.02055	-0.02062	-0.02069	-0.02076	-0.02083	-0.02090	-0.02097	-0.02104	-0.02111	-0.02118	-0.02125	-0.02132	-0.02139	-0.02146	-0.02153	-0.02160	-0.02167	-0.02174	-0.02181	-0.02188	-0.02195	-0.02202	-0.02209	-0.02216	-0.02223	-0.02230	-0.02237	-0.02244	-0.02251	-0.02258	-0.02265	-0.02272	-0.02279	-0.02286	-0.02293	-0.02300	-0.02307	-0.02314	-0.02321	-0.02328	-0.02335	-0.02342	-0.02349	-0.02356	-0.02363	-0.02370	-0.02377	-0.02384	-0.02391	-0.02398	-0.02405	-0.02412	-0.02419	-0.02426	-0.02433	-0.02440	-0.02447	-0.02454	-0.02461	-0.02468	-0.02475	-0.02482	-0.02489	-0.02496	-0.02503	-0.02510	-0.02517	-0.02524	-0.02531	-0.02538	-0.02545	-0.02552	-0.02559	-0.02566	-0.02573	-0.02580	-0.02587	-0.02594	-0.02601	-0.02608	-0.02615	-0.02622	-0.02629	-0.02636	-0.02643	-0.02650	-0.02657	-0.02664	-0.02671	-0.02678	-0.02685	-0.02692	-0.02699	-0.02706	-0.02713	-0.02720	-0.02727	-0.02734	-0.02741	-0.02748	-0.02755	-0.02762	-0.02769	-0.02776	-0.02783	-0.02790	-0.02797	-0.02804	-0.02811	-0.02818	-0.02825	-0.02832	-0.02839	-0.02846	-0.02853	-0.02860	-0.02867	-0.02874	-0.02881	-0.02888	-0.02895	-0.02902	-0.02909	-0.02916	-0.02923	-0.02930	-0.02937	-0.02944	-0.02951	-0.02958	-0.02965	-0.02972	-0.02979	-0.02986	-0.02993	-0.02999	-0.03006	-0.03013	-0.03020	-0.03027	-0.03034	-0.03041	-0.03048	-0.03055	-0.03062	-0.03069	-0.03076	-0.03083	-0.03090	-0.03097	-0.03104	-0.03111	-0.03118	-0.03125	-0.03132	-0.03139	-0.03146	-0.03153	-0.03160	-0.03167	-0.03174	-0.03181	-0.03188	-0.03195	-0.03202	-0.03209	-0.03216	-0.03223	-0.03230	-0.03237	-0.03244	-0.03251	-0.03258	-0.03265	-0.03272	-0.03279	-0.03286	-0.03293	-0.03300	-0.03307	-0.03314	-0.03321	-0.03328	-0.03335	-0.03342	-0.03349	-0.03356	-0.03363	-0.03370	-0.03377	-0.03384	-0.03391	-0.03398	-0.03405	-0.03412	-0.03419	-0.03426	-0.03433	-0.03440	-0.03447	-0.03454	-0.03461	-0.03468	-0.03475	-0.03482	-0.03489	-0.03496	-0.03503	-0.03510	-0.03517	-0.03524	-0.03531	-0.03538	-0.03545	-0.03552	-0.03559	-0.03566	-0.03573	-0.03580	-0.03587	-0.03594	-0.03601	-0.03608	-0.03615	-0.03622	-0.03629	-0.03636	-0.03643	-0.03650	-0.03657	-0.03664	-0.03671	-0.03678	-0.03685	-0.03692	-0.03699	-0.03706	-0.03713	-0.03720	-0.03727	-0.03734	-0.03741	-0.03748	-0.03755	-0.03762	-0.03769	-0.03776	-0.03783	-0.03790	-0.03797	-0.03804	-0.03811	-0.03818	-0.03825	-0.03832	-0.03839	-0.03846	-0.03853	-0.03860	-0.03867	-0.03874	-0.03881	-0.03888	-0.03895	-0.03902	-0.03909	-0.03916	-0.03923	-0.03930	-0.03937	-0.03944	-0.03951	-0.03958	-0.03965	-0.03972	-0.03979	-0.03986	-0.03993	-0.03999	-0.04006	-0.04013	-0.04020	-0.04027	-0.04034	-0.04041	-0.04048	-0.04055	-0.04062	-0.04069	-0.04076	-0.04083	-0.04090	-0.04097	-0.04104	-0.04111	-0.04118	-0.04125	-0.04132	-0.04139	-0.04146	-0.04153	-0.04160	-0.04167	-0.04174	-0.04181	-0.04188	-0.04195	-0.04202	-0.04209	-0.04216	-0.04223	-0.04230	-0.04237	-0.04244	-0.04251	-0.04258	-0.04265	-0.04272	-0.04279	-0.04286	-0.04293	-0.04300	-0.04307	-0.04314	-0.04321	-0.04328	-0.04335	-0.04342	-0.04349	-0.04356	-0.04363	-0.04370	-0.04377	-0.04384	-0.04391	-0.04398	-0.04405	-0.04412	-0.04419	-0.04426	-0.04433	-0.04440	-0.04447	-0.04454	-0.04461	-0.04468	-0.04475	-0.04482	-0.04489	-0.04496	-0.04503	-0.04510	-0.04517	-0.04524	-0.04531	-0.04538	-0.04545	-0.04552	-0.04559	-0.04566	-0.04573	-0.04580	-0.04587	-0.04594	-0.04601	-0.04608	-0.04615	-0.04622	-0.04629	-0.04636	-0.04643	-0.04650	-0.04657	-0.04664	-0.04671	-0.04678	-0.04685	-0.04692	-0.04699	-0.04706	-0.04713	-0.04720	-0.04727	-0.04734	-0.04741	-0.04748	-0.04755	-0.04762	-0.04769	-0.04776	-0.04783	-0.04790	-0.04797	-0.04804	-0.04811	-0.04818	-0.04825	-0.04832	-0.04839	-0.04846	-0.04853	-0.04860	-0.04867	-0.04874	-0.04881	-0.04888	-0.04895	-0.04902	-0.04909	-0.04916	-0.04923	-0.04930	-0.04937	-0.04944	-0.04951	-0.04958	-0.04965	-0.04972	-0.04979	-0.04986	-0.04993	-0.04999	-0.05006	-0.05013	-0.05020	-0.05027	-0.05034	-0.05041	-0.05048	-0.05055	-0.05062	-0.05069	-0.05076	-0.05083	-0.05090	-0.05097	-0.05104	-0.05111	-0.05118	-0.05125	-0.05132	-0.05139	-0.05146	-0.05153	-0.05160	-0.05167	-0.05174	-0.05181	-0.05188	-0.05195	-0.05202	-0.05209	-0.05216	-0.05223	-0.05230	-0.05237	-0.05244	-0.05251	-0.05258	-0.05265	-0.05272	-0.05279	-0.05286	-0.05293	-0.05300	-0.05307	-0.05314	-0.05321	-0.05328	-0.05335	-0.05342	-0.05349	-0.05356	-0.05363	-0.05370	-0.05377	-0.05384	-0.05391	-0.05398	-0.05405	-0.05412	-0.05419	-0.05426	-0.05433	-0.05440	-0.05447	-0.05454	-0.05461	-0.05468	-0.05475	-0.05482	-0.05489	-0.05496	-0.05503	-0.05510	-0.05517	-0.05524	-0.05531	-0.05538	-0.05545	-0.05552	-0.05559	-0.05566	-0.05573	-0.05580	-0.05587	-0.05594	-0.05601	-0.05608	-0.05615	-0.05622	-0.05629	-0.05636	-0.05643	-0.05650	-0.05657	-0.05664	-0.05671	-0.05678	-0.05685	-0.05692	-0.05699	-0.05706	-0.05713	-0.05720	-0.05727	-0.05734	-0.05741	-0.05748	-0.05755	-0.05762	-0.05769	-0.05776	-0.05783	-0.05790	-0.05797	-0.05804	-0.05811	-0.05818	-0.05825	-0.05832	-0.05839	-0.05846	-0.05853	-0.05860	-0.05867	-0.05874	-0.05881	-0.05888	-0.05895	-0.05902	-0.05909	-0.05916	-0.05923	-0.05930	-0.05937	-0.05944	-0.05951	-0.05958	-0.05965	-0.05972	-0.05979	-0.05986	-0.05993	-0.05999	-0.06006	-0.06013	-0.06020	-0.06027	-0.06034	-0.06041	-0.06048	-0.06055	-0.06062	-0.06069	-0.06076	-0.06083	-0.06090	-0.06097	-0.06104	-0.06111	-0.06118	-0.06125	-0.06132	-0.06139	-0.06146	-0.06153	-0.06160	-0.06167	-0.06174	-0.06181	-0.06188	-0.06195	-0.06202	-0.06209	-0.06216	-0.06223	-0.06230	-0.06237	-0.06244	-0.06251	-0.06258	-0.06265	-0.06272	-0.06279	-0.06286	-0.06293	-0.06300	-0.06307	-0.06314	-0.06321	-0.06328	-0.06335	-0.06342	-0.06349	-0.06356	-0.06363	-0.06370	-0.06377	-0.06384	-0.06391	-0.06398	-0.06405	-0.06412	-0.06419	-0.06426	-0.06433	-0.06440	-0.06447	-0.06454	-0.06461	-0.06468	-0.06475	-0.06482	-0.06489	-0.06496	-0.06503	-0.06510	-0.06517	-0.06524	-0.06531	-0.06538	-0.06545	-0.06552	-0.06559	-0.06566	-0.06573	-0.06580	-0.06587	-0.06594	-0.06601	-0.06608	-0.06615	-0.06622	-0.06629	-0.06636	-0.06643	-0.06650	-0.06657	-0.06664	-0.06671	-0.06678	-0.06685	-0.06692	-0.06699	-0.06706	-0.06713	-0.06720	-0.06727	-0.06734	-0.06741	-0.06748	-0.06755	-0.06762	-0.06769	-0.06776	-0.06783	-0.06790	-0.06797	-0.06804	-0.06811	-0.06818	-0.06825	-0.06832	-0.06839	-0.06846	-0.06853	-0.06860	-0.06867	-0.06874	-0.06881	-0.06888	-0.06895	-0.06902	-0.06909	-0.06916	-0.06923	-0.06930	-0.06937	-0.06944	-0.06951	-0.06958	-0.06965	-0.06972	-0.06979	-0.06986	-0.06993	-0.06999	-0.07006	-0.07013	-0.07020	-0.07027	-0.07034	-0.07041	-0.07048	-0.07055	-0.07062	-0.07069	-0.07076	-0.07083	-0.07090	-0.07097	-0.07104	-0.07111	-0.07118	-0.07125	-0.07132	-0.07139	-0.07146	-0.07153	-0.07160	-0.07167	-0.07174	-0.07181	-0.07188	-0.07195	-
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INITIAL MW/KG 30.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00001	-0.00003	-0.00005	-0.00013	-0.00019	-0.00025
10 SEC	-0.00002	-0.00005	-0.00010	-0.00025	-0.00038	-0.00050
30 SEC	-0.00007	-0.00015	-0.00029	-0.00074	-0.00112	-0.00151
60 SEC	-0.00014	-0.00029	-0.00057	-0.00146	-0.00223	-0.00302
2 MIN	-0.00027	-0.00054	-0.00109	-0.00283	-0.00438	-0.00603
5 MIN	-0.00056	-0.00114	-0.00235	-0.00642	-0.01040	-0.01502
10 MIN	-0.00086	-0.00177	-0.00373	-0.01100	-0.01912	-0.02981
30 MIN	-0.00115	-0.00242	-0.00536	-0.01921	-0.04174	-0.08677
60 MIN	-0.00112	-0.00237	-0.00532	-0.02093	-0.05497	-0.16591
2 HR	-0.00101	-0.00213	-0.00480	-0.01925	-0.05693	-0.30325
4 HR	-0.00082	-0.00173	-0.00389	-0.01561	-0.04717	-0.50661
8 HR	-0.00054	-0.00113	-0.00255	-0.01023	-0.03093	-0.70716
12 HR	-0.00035	-0.00074	-0.00166	-0.00667	-0.02019	-0.74046
24 HR	-0.00009	-0.00019	-0.00044	-0.00175	-0.00531	-0.50257
36 HR	-0.00002	-0.00004	-0.00008	-0.00033	-0.00103	-0.25138
48 HR	0.00000	0.00001	0.00002	0.00007	0.00020	-0.10508
60 HR	0.00001	0.00002	0.00005	0.00019	0.00056	-0.03299
72 HR	0.00001	0.00003	0.00006	0.00022	0.00066	-0.00010
84 HR	0.00001	0.00003	0.00006	0.00023	0.00069	0.01429
96 HR	0.00001	0.00003	0.00006	0.00024	0.00070	0.02042
108 HR	0.00001	0.00003	0.00006	0.00024	0.00070	0.02153
120 HR	0.00001	0.00003	0.00006	0.00024	0.00070	0.02405
132 HR	0.00001	0.00003	0.00006	0.00024	0.00070	0.02449
SAT I	1.67945	1.59106	1.41427	0.88392	0.44196	0.
SAT X	0.02479	0.02477	0.02474	0.02456	0.02410	0.

SAT IODINE BEFORE POWER CHANGE 1.76784
 SAT XENON BEFORE POWER CHANGE 0.02480

INITIAL MW/KG 40.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00002	-0.00003	-0.00007	-0.00017	-0.00025	-0.00034
10 SEC	-0.00003	-0.00007	-0.00013	-0.00033	-0.00050	-0.00067
30 SEC	-0.00010	-0.00019	-0.00039	-0.00099	-0.00150	-0.00202
60 SEC	-0.00019	-0.00037	-0.00075	-0.00194	-0.00297	-0.00404
2 MIN	-0.00034	-0.00069	-0.00141	-0.00371	-0.00580	-0.00806
5 MIN	-0.00069	-0.00140	-0.00291	-0.00816	-0.01355	-0.02007
10 MIN	-0.00098	-0.00203	-0.00434	-0.01338	-0.02431	-0.03984
30 MIN	-0.00118	-0.00248	-0.00553	-0.02080	-0.04893	-0.11600
60 MIN	-0.00112	-0.00237	-0.00534	-0.02128	-0.05950	-0.22181
2 HR	-0.00101	-0.00214	-0.00481	-0.01928	-0.05783	-0.40548
4 HR	-0.00082	-0.00173	-0.00390	-0.01564	-0.04719	-0.67762
8 HR	-0.00054	-0.00114	-0.00256	-0.01027	-0.03098	-0.94660
12 HR	-0.00035	-0.00074	-0.00168	-0.00672	-0.02028	-0.99216
24 HR	-0.00009	-0.00020	-0.00045	-0.00181	-0.00546	-0.67695
36 HR	-0.00002	-0.00004	-0.00010	-0.00039	-0.00119	-0.34284
48 HR	0.00000	0.00000	0.00000	0.00002	0.00003	-0.14809
60 HR	0.00001	0.00001	0.00003	0.00013	0.00039	-0.05210
72 HR	0.00001	0.00002	0.00004	0.00017	0.00049	-0.00830
84 HR	0.00001	0.00002	0.00004	0.00018	0.00052	0.01086
96 HR	0.00001	0.00002	0.00004	0.00018	0.00053	0.01902
108 HR	0.00001	0.00002	0.00004	0.00018	0.00053	0.02051
120 HR	0.00001	0.00002	0.00005	0.00018	0.00053	0.02387
132 HR	0.00001	0.00002	0.00005	0.00018	0.00053	0.02445
SAT I	2.23927	2.12141	1.88570	1.17856	0.58928	0.
SAT X	0.02485	0.02484	0.02481	0.02468	0.02433	0.

SAT IODINE BEFORE POWER CHANGE 2.35712
 SAT XENON BEFORE POWER CHANGE 0.02486

INITIAL MW/KG 35.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00001	-0.00003	-0.00006	-0.00015	-0.00022	-0.00029
10 SEC	-0.00003	-0.00006	-0.00012	-0.00029	-0.00044	-0.00059
30 SEC	-0.00009	-0.00017	-0.00034	-0.00087	-0.00131	-0.00177
60 SEC	-0.00016	-0.00033	-0.00067	-0.00170	-0.00260	-0.00353
2 MIN	-0.00031	-0.00062	-0.00125	-0.00327	-0.00509	-0.00705
5 MIN	-0.00063	-0.00128	-0.00264	-0.00732	-0.01200	-0.01754
10 MIN	-0.00093	-0.00191	-0.00406	-0.01225	-0.02178	-0.03483
30 MIN	-0.00117	-0.00245	-0.00547	-0.02013	-0.04563	-0.10139
60 MIN	-0.00112	-0.00237	-0.00533	-0.02116	-0.05760	-0.19386
2 HR	-0.00101	-0.00214	-0.00481	-0.01927	-0.05752	-0.35437
4 HR	-0.00082	-0.00173	-0.00390	-0.01563	-0.04718	-0.59212
8 HR	-0.00054	-0.00114	-0.00256	-0.01025	-0.03096	-0.82688
12 HR	-0.00035	-0.00074	-0.00167	-0.00670	-0.02024	-0.86631
24 HR	-0.00009	-0.00020	-0.00044	-0.00178	-0.00540	-0.58975
36 HR	-0.00002	-0.00004	-0.00009	-0.00037	-0.00112	-0.29711
48 HR	0.00000	0.00000	0.00001	0.00004	0.00011	-0.12658
60 HR	0.00001	0.00002	0.00004	0.00016	0.00046	-0.04254
72 HR	0.00001	0.00002	0.00005	0.00019	0.00056	-0.00419
84 HR	0.00001	0.00002	0.00005	0.00020	0.00059	0.01258
96 HR	0.00001	0.00002	0.00005	0.00020	0.00060	0.01972
108 HR	0.00001	0.00002	0.00005	0.00020	0.00060	0.02102
120 HR	0.00001	0.00002	0.00005	0.00020	0.00060	0.02397
132 HR	0.00001	0.00002	0.00005	0.00020	0.00060	0.02448
SAT I	1.95936	1.85623	1.64999	1.03124	0.51562	0.
SAT X	0.02482	0.02481	0.02478	0.02463	0.02423	0.

SAT IODINE BEFORE POWER CHANGE 2.06248
 SAT XENON BEFORE POWER CHANGE 0.02483

INITIAL MW/KG 45.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00002	-0.00004	-0.00008	-0.00019	-0.00028	-0.00038
10 SEC	-0.00004	-0.00007	-0.00015	-0.00038	-0.00057	-0.00076
30 SEC	-0.00011	-0.00022	-0.00044	-0.00111	-0.00169	-0.00228
60 SEC	-0.00021	-0.00042	-0.00084	-0.00217	-0.00333	-0.00455
2 MIN	-0.00038	-0.00077	-0.00156	-0.00413	-0.00649	-0.00908
5 MIN	-0.00074	-0.00151	-0.00315	-0.00897	-0.01506	-0.02260
10 MIN	-0.00103	-0.00213	-0.00457	-0.01440	-0.02670	-0.04486
30 MIN	-0.00118	-0.00249	-0.00558	-0.02129	-0.05175	-0.13062
60 MIN	-0.00112	-0.00237	-0.00534	-0.02135	-0.06088	-0.24976
2 HR	-0.00101	-0.00214	-0.00481	-0.01929	-0.05798	-0.45660
4 HR	-0.00082	-0.00173	-0.00390	-0.01565	-0.04718	-0.76313
8 HR	-0.00054	-0.00114	-0.00256	-0.01028	-0.03100	-1.06632
12 HR	-0.00035	-0.00075	-0.00168	-0.00673	-0.02031	-1.11802
24 HR	-0.00010	-0.00020	-0.00046	-0.00182	-0.00551	-0.76415
36 HR	-0.00002	-0.00005	-0.00010	-0.00041	-0.00125	-0.38857
48 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00002	-0.16960
60 HR	0.00001	0.00001	0.00003	0.00011	0.00033	-0.06167
72 HR	0.00001	0.00002	0.00004	0.00015	0.00043	-0.01241
84 HR	0.00001	0.00002	0.00004	0.00016	0.00046	0.00913
96 HR	0.00001	0.00002	0.00004	0.00016	0.00047	0.01832
108 HR	0.00001	0.00002	0.00004	0.00016	0.00047	0.01999
120 HR	0.00001	0.00002	0.00004	0.00016	0.00047	0.02377
132 HR	0.00001	0.00002	0.00004	0.00016	0.00047	0.02442
SAT I	2.51917	2.38659	2.12141	1.32588	0.66294	0.
SAT X	0.02487	0.02486	0.02484	0.02472	0.02440	0.

SAT IODINE BEFORE POWER CHANGE 2.65176
 SAT XENON BEFORE POWER CHANGE 0.02488

		INITIAL MW/KG		POWER REDUCTION, PERCENT			
		5.	10.	20.	50.	75.	100.
TIME							
0 SEC	-0.00002	-0.00004	-0.00008	-0.00021	-0.00032	-0.00042	-0.00046
5 SEC	-0.00004	-0.00008	-0.00017	-0.00042	-0.00063	-0.00084	-0.00093
10 SEC	-0.00004	-0.00008	-0.00017	-0.00042	-0.00063	-0.00084	-0.00093
30 SEC	-0.00012	-0.00024	-0.00048	-0.00123	-0.00187	-0.00253	-0.00278
60 SEC	-0.00023	-0.00046	-0.00093	-0.00240	-0.00369	-0.00506	-0.00556
2 MIN	-0.00041	-0.00084	-0.00171	-0.00454	-0.00718	-0.01010	-0.01111
5 MIN	-0.00079	-0.00161	-0.00338	-0.00973	-0.01654	-0.02513	-0.03476
10 MIN	-0.00107	-0.00221	-0.00447	-0.01531	-0.02897	-0.04988	-0.07460
30 MIN	-0.00118	-0.00238	-0.00477	-0.02135	-0.04188	-0.07523	-0.11585
60 MIN	-0.00113	-0.00228	-0.00456	-0.02139	-0.04188	-0.07523	-0.11585
2 HR	-0.00101	-0.00214	-0.00428	-0.01930	-0.03806	-0.06772	-0.10446
4 HR	-0.00082	-0.00174	-0.00349	-0.01566	-0.03101	-0.05435	-0.08774
8 HR	-0.00054	-0.00114	-0.00227	-0.01029	-0.02033	-0.03604	-0.05774
12 HR	-0.00035	-0.00075	-0.00146	-0.00675	-0.01335	-0.02335	-0.03774
24 HR	-0.00010	-0.00020	-0.00044	-0.00184	-0.00355	-0.00631	-0.01010
36 HR	-0.00002	-0.00005	-0.00011	-0.00043	-0.00087	-0.00153	-0.00253
48 HR	-0.00000	-0.00000	-0.00000	-0.00002	-0.00007	-0.00012	-0.00020
60 HR	-0.00001	-0.00001	-0.00002	-0.00010	-0.00029	-0.00053	-0.00084
72 HR	-0.00001	-0.00001	-0.00002	-0.00013	-0.00042	-0.00084	-0.00123
84 HR	-0.00001	-0.00002	-0.00004	-0.00014	-0.00042	-0.00084	-0.00123
96 HR	-0.00001	-0.00002	-0.00004	-0.00014	-0.00042	-0.00084	-0.00123
108 HR	-0.00001	-0.00002	-0.00004	-0.00014	-0.00042	-0.00084	-0.00123
120 HR	-0.00001	-0.00002	-0.00004	-0.00014	-0.00042	-0.00084	-0.00123
132 HR	-0.00001	-0.00002	-0.00004	-0.00014	-0.00042	-0.00084	-0.00123
SAT 1	2.79908	2.65176	2.35712	1.47320	0.73660	0.39440	0.20440
SAT X	0.02489	0.02488	0.02486	0.02475	0.02447	0.02417	0.02387
SAT IODINE BEFORE POWER CHANGE		SAT IODINE BEFORE POWER CHANGE		SAT IODINE BEFORE POWER CHANGE		SAT IODINE BEFORE POWER CHANGE	
SAT XENON BEFORE POWER CHANGE		SAT XENON BEFORE POWER CHANGE		SAT XENON BEFORE POWER CHANGE		SAT XENON BEFORE POWER CHANGE	

		INITIAL MW/KG		POWER REDUCTION, PERCENT			
		5.	10.	20.	50.	75.	100.
TIME							
0 SEC	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
5 SEC	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
10 SEC	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
30 SEC	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
60 SEC	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
2 MIN	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
5 MIN	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
10 MIN	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
30 MIN	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
60 MIN	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
2 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
4 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
8 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
12 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
24 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
36 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
48 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
60 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
72 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
84 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
96 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
108 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
120 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
132 HR	-0.00003	-0.00005	-0.00010	-0.00025	-0.00038	-0.00051	-0.00055
SAT 1	3.35890	3.18211	2.82855	1.76784	0.88392	0.45456	0.24427
SAT X	0.02491	0.02491	0.02489	0.02480	0.02456	0.02432	0.02403
SAT IODINE BEFORE POWER CHANGE		SAT IODINE BEFORE POWER CHANGE		SAT IODINE BEFORE POWER CHANGE		SAT IODINE BEFORE POWER CHANGE	
SAT XENON BEFORE POWER CHANGE		SAT XENON BEFORE POWER CHANGE		SAT XENON BEFORE POWER CHANGE		SAT XENON BEFORE POWER CHANGE	

INITIAL MW/KG 70.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00003	-0.00006	-0.00012	-0.00029	-0.00044	-0.00059
10 SEC	-0.00006	-0.00012	-0.00023	-0.00058	-0.00088	-0.00118
30 SEC	-0.00017	-0.00033	-0.00067	-0.00171	-0.00261	-0.00355
60 SEC	-0.00031	-0.00062	-0.00126	-0.00329	-0.00512	-0.00709
2 MIN	-0.00054	-0.00109	-0.00225	-0.00612	-0.00986	-0.01416
5 MIN	-0.00094	-0.00194	-0.00411	-0.01240	-0.02205	-0.03524
10 MIN	-0.00116	-0.00242	-0.00530	-0.01813	-0.03692	-0.06996
30 MIN	-0.00119	-0.00251	-0.00564	-0.02233	-0.06067	-0.20369
60 MIN	-0.00113	-0.00238	-0.00535	-0.02144	-0.06378	-0.38951
2 HR	-0.00102	-0.00214	-0.00482	-0.01932	-0.05813	-0.71219
4 HR	-0.00082	-0.00174	-0.00391	-0.01568	-0.04718	-1.19067
8 HR	-0.00054	-0.00114	-0.00258	-0.01032	-0.03105	-1.66495
12 HR	-0.00036	-0.00075	-0.00169	-0.00678	-0.02040	-1.74734
24 HR	-0.00010	-0.00021	-0.00047	-0.00188	-0.00565	-1.20018
36 HR	-0.00002	-0.00005	-0.00012	-0.00047	-0.00141	-0.61730
48 HR	-0.00000	-0.00001	-0.00002	-0.00006	-0.00019	-0.27722
60 HR	0.00000	0.00001	0.00001	0.00006	0.00017	-0.10954
72 HR	0.00000	0.00001	0.00002	0.00009	0.00027	-0.03301
84 HR	0.00001	0.00001	0.00003	0.00010	0.00030	0.00047
96 HR	0.00001	0.00001	0.00003	0.00010	0.00031	0.01474
108 HR	0.00001	0.00001	0.00003	0.00010	0.00031	0.01733
120 HR	0.00001	0.00001	0.00003	0.00010	0.00031	0.02321
132 HR	0.00001	0.00001	0.00003	0.00010	0.00031	0.02423

SAT I 3.91871

SAT X 0.02493

SAT IODINE BEFORE POWER CHANGE

4.12496

SAT XENON BEFORE POWER CHANGE

0.02494

INITIAL MW/KG 80.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00003	-0.00007	-0.00013	-0.00034	-0.00051	-0.00068
10 SEC	-0.00007	-0.00013	-0.00026	-0.00067	-0.00101	-0.00135
30 SEC	-0.00019	-0.00039	-0.00076	-0.00194	-0.00298	-0.00406
60 SEC	-0.00035	-0.00070	-0.00142	-0.00373	-0.00583	-0.00811
2 MIN	-0.00060	-0.00121	-0.00249	-0.00686	-0.01116	-0.01619
5 MIN	-0.00100	-0.00206	-0.00439	-0.01354	-0.02459	-0.04030
10 MIN	-0.00118	-0.00248	-0.00546	-0.01914	-0.04031	-0.08000
30 MIN	-0.00119	-0.00251	-0.00564	-0.02245	-0.06266	-0.23292
60 MIN	-0.00113	-0.00238	-0.00535	-0.02144	-0.06412	-0.44541
2 HR	-0.00102	-0.00214	-0.00482	-0.01932	-0.05812	-0.81443
4 HR	-0.00082	-0.00174	-0.00392	-0.01568	-0.04718	-1.36168
8 HR	-0.00054	-0.00115	-0.00258	-0.01033	-0.03106	-1.90441
12 HR	-0.00036	-0.00075	-0.00169	-0.00679	-0.02042	-1.99907
24 HR	-0.00010	-0.00021	-0.00047	-0.00189	-0.00569	-1.37460
36 HR	-0.00003	-0.00005	-0.00012	-0.00048	-0.00145	-0.70880
48 HR	-0.00000	-0.00001	-0.00002	-0.00007	-0.00022	-0.32027
60 HR	0.00000	0.00000	0.00001	0.00004	0.00013	-0.12870
72 HR	0.00000	0.00001	0.00002	0.00008	0.00023	-0.04126
84 HR	0.00000	0.00001	0.00003	0.00009	0.00026	-0.00301
96 HR	0.00000	0.00001	0.00003	0.00009	0.00027	0.01330
108 HR	0.00000	0.00001	0.00003	0.00009	0.00027	0.01626
120 HR	0.00000	0.00001	0.00003	0.00009	0.00027	0.02297
132 HR	0.00000	0.00001	0.00003	0.00009	0.00027	0.02414

SAT I 4.47853

SAT X 0.02494

SAT IODINE BEFORE POWER CHANGE

4.71424

SAT XENON BEFORE POWER CHANGE

0.02495

INITIAL MW/KG 75.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00003	-0.00006	-0.00013	-0.00031	-0.00047	-0.00063
10 SEC	-0.00006	-0.00012	-0.00025	-0.00063	-0.00094	-0.00127
30 SEC	-0.00018	-0.00035	-0.00071	-0.00183	-0.00280	-0.00380
60 SEC	-0.00033	-0.00066	-0.00134	-0.00351	-0.00548	-0.00760
2 MIN	-0.00057	-0.00115	-0.00237	-0.00649	-0.01052	-0.01518
5 MIN	-0.00097	-0.00200	-0.00425	-0.01299	-0.02333	-0.03777
10 MIN	-0.00117	-0.00245	-0.00539	-0.01866	-0.03866	-0.07498
30 MIN	-0.00119	-0.00251	-0.00564	-0.02240	-0.06175	-0.21831
60 MIN	-0.00113	-0.00238	-0.00535	-0.02144	-0.06398	-0.41746
2 HR	-0.00102	-0.00214	-0.00482	-0.01932	-0.05812	-0.76331
4 HR	-0.00082	-0.00174	-0.00392	-0.01568	-0.04718	-1.27618
8 HR	-0.00054	-0.00115	-0.00258	-0.01032	-0.03106	-1.78468
12 HR	-0.00036	-0.00075	-0.00169	-0.00678	-0.02041	-1.87320
24 HR	-0.00010	-0.00021	-0.00047	-0.00188	-0.00567	-1.28739
36 HR	-0.00002	-0.00005	-0.00012	-0.00047	-0.00143	-0.66305
48 HR	-0.00000	-0.00001	-0.00002	-0.00007	-0.00021	-0.29874
60 HR	0.00000	0.00001	0.00001	0.00005	0.00015	-0.11912
72 HR	0.00000	0.00001	0.00002	0.00008	0.00025	-0.03713
84 HR	0.00000	0.00001	0.00002	0.00009	0.00028	-0.00127
96 HR	0.00001	0.00001	0.00002	0.00010	0.00028	0.01402
108 HR	0.00001	0.00001	0.00002	0.00010	0.00029	0.01680
120 HR	0.00001	0.00001	0.00002	0.00010	0.00029	0.02309
132 HR	0.00001	0.00001	0.00002	0.00010	0.00029	0.02418

SAT I 4.19862

SAT X 0.02494

SAT IODINE BEFORE POWER CHANGE

4.41960

SAT XENON BEFORE POWER CHANGE

0.02494

INITIAL MW/KG 85.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00004	-0.00007	-0.00014	-0.00036	-0.00054	-0.00072
10 SEC	-0.00007	-0.00014	-0.00028	-0.00071	-0.00107	-0.00144
30 SEC	-0.00020	-0.00040	-0.00080	-0.00206	-0.00316	-0.00431
60 SEC	-0.00036	-0.00073	-0.00150	-0.00394	-0.00618	-0.00862
2 MIN	-0.00062	-0.00126	-0.00261	-0.00721	-0.01180	-0.01721
5 MIN	-0.00102	-0.00211	-0.00451	-0.01406	-0.02581	-0.04283
10 MIN	-0.00119	-0.00250	-0.00552	-0.01957	-0.04187	-0.08502
30 MIN	-0.00119	-0.00251	-0.00564	-0.02249	-0.06344	-0.24754
60 MIN	-0.00113	-0.00238	-0.00536	-0.02144	-0.06422	-0.47336
2 HR	-0.00102	-0.00214	-0.00483	-0.01932	-0.05812	-0.86555
4 HR	-0.00082	-0.00174	-0.00392	-0.01569	-0.04718	-1.44719
8 HR	-0.00054	-0.00115	-0.00258	-0.01033	-0.03107	-2.02413
12 HR	-0.00036	-0.00075	-0.00169	-0.00679	-0.02043	-2.12493
24 HR	-0.00010	-0.00021	-0.00047	-0.00189	-0.00570	-1.46181
36 HR	-0.00003	-0.00005	-0.00012	-0.00048	-0.00146	-0.75455
48 HR	-0.00000	-0.00001	-0.00002	-0.00008	-0.00024	-0.34180
60 HR	0.00000	0.00000	0.00001	0.00004	0.00011	-0.13828
72 HR	0.00000	0.00001	0.00002	0.00007	0.00021	-0.04538
84 HR	0.00000	0.00001	0.00002	0.00008	0.00024	-0.00475
96 HR	0.00000	0.00001	0.00002	0.00008	0.00025	0.01257
108 HR	0.00000	0.00001	0.00002	0.00008	0.00025	0.01573
120 HR	0.00000	0.00001	0.00002	0.00009	0.00025	0.02285
132 HR	0.00000	0.00001	0.00002	0.00009	0.00025	0.02410

SAT I 4.75844

SAT X 0.02495

SAT IODINE BEFORE POWER CHANGE

5.00888

SAT XENON BEFORE POWER CHANGE

0.02495

TIME HOURS	PROMETHIUM		MW/KG	68.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.004358	0.974725	0.000043	0.017104	0.433736	0.009643
4.0	0.008606	0.950089	0.000136	0.024090	0.188127	0.013891
6.0	0.012747	0.926075	0.000250	0.026699	0.081598	0.018032
8.0	0.016783	0.902668	0.000369	0.027420	0.035392	0.022068
12.0	0.024552	0.857615	0.000610	0.026904	0.006658	0.029836
16.0	0.031933	0.814810	0.000843	0.025721	0.001253	0.037217
20.0	0.038945	0.774142	0.001064	0.024468	0.000236	0.044230
24.0	0.045608	0.735503	0.001275	0.023252	0.000044	0.050892
30.0	0.054983	0.681131	0.001571	0.021534	0.000004	0.060268
36.0	0.063666	0.630779	0.001846	0.019943	0.000000	0.068950
42.0	0.071706	0.584149	0.002100	0.018468	0.000000	0.076991
48.0	0.079153	0.540965	0.002335	0.017103	0.000000	0.084437
60.0	0.092434	0.463940	0.002755	0.014668	0.000000	0.097719
72.0	0.103825	0.397882	0.003115	0.012579	0.000000	0.109110
84.0	0.113594	0.341230	0.003424	0.010788	0.000000	0.118878
96.0	0.121972	0.292644	0.003689	0.009252	0.000000	0.127256
120.0	0.135318	0.215240	0.004111	0.006805	0.000000	0.140603
144.0	0.145135	0.158310	0.004422	0.005005	0.000000	0.150420
168.0	0.152355	0.116438	0.004650	0.003681	0.000000	0.157640
192.0	0.157666	0.085640	0.004818	0.002708	0.000000	0.162950
216.0	0.161572	0.062989	0.004941	0.001991	0.	0.166856
240.0	0.164444	0.046328	0.005032	0.001465	0.	0.169729
264.0	0.166557	0.034075	0.005099	0.001077	0.	0.171842

SATURATED PROMETHIUM 0.172433
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	70.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.004486	0.974725	0.000044	0.016923	0.423210	0.009771
4.0	0.008859	0.950089	0.000139	0.023658	0.179107	0.014144
6.0	0.013122	0.926075	0.000253	0.026091	0.075800	0.018407
8.0	0.017277	0.902668	0.000373	0.026714	0.032079	0.022561
12.0	0.025274	0.857615	0.000614	0.026140	0.005746	0.030559
16.0	0.032872	0.814810	0.000847	0.024971	0.001029	0.038157
20.0	0.040091	0.774142	0.001068	0.023749	0.000184	0.045375
24.0	0.046949	0.735503	0.001278	0.022568	0.000033	0.052234
30.0	0.056601	0.681131	0.001575	0.020900	0.000002	0.061885
36.0	0.065538	0.630779	0.001849	0.019355	0.000000	0.070823
42.0	0.073816	0.584149	0.002103	0.017925	0.000000	0.079100
48.0	0.081481	0.540965	0.002338	0.016599	0.000000	0.086765
60.0	0.095153	0.463940	0.002758	0.014236	0.000000	0.100438
72.0	0.106879	0.397882	0.003117	0.012209	0.000000	0.112163
84.0	0.116935	0.341230	0.003426	0.010471	0.000000	0.122219
96.0	0.125559	0.292644	0.003691	0.008980	0.000000	0.130844
120.0	0.139298	0.215240	0.004112	0.006605	0.000000	0.144583
144.0	0.149404	0.158310	0.004422	0.004858	0.000000	0.154688
168.0	0.156836	0.116438	0.004650	0.003573	0.000000	0.162121
192.0	0.162303	0.085640	0.004818	0.002628	0.000000	0.167588
216.0	0.166324	0.062989	0.004941	0.001933	0.	0.171608
240.0	0.169281	0.046328	0.005032	0.001422	0.	0.174566
264.0	0.171456	0.034075	0.005099	0.001046	0.	0.176741

SATURATED PROMETHIUM 0.177505
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	72.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.004615	0.974725	0.000045	0.016745	0.412939	0.009899
4.0	0.009113	0.950089	0.000141	0.023237	0.170519	0.014397
6.0	0.013497	0.926075	0.000256	0.025505	0.070414	0.018781
8.0	0.017770	0.902668	0.000377	0.026039	0.029077	0.023055
12.0	0.025396	0.857615	0.000618	0.025415	0.004958	0.031281
16.0	0.033811	0.814810	0.000850	0.024262	0.000845	0.039096
20.0	0.041236	0.774142	0.001072	0.023071	0.000144	0.046521
24.0	0.048291	0.735503	0.001282	0.021923	0.000025	0.053575
30.0	0.058218	0.681131	0.001578	0.020303	0.000002	0.063502
36.0	0.067411	0.630779	0.001852	0.018802	0.000000	0.072696
42.0	0.075925	0.584149	0.002106	0.017412	0.000000	0.081209
48.0	0.083809	0.540965	0.002341	0.016125	0.000000	0.089093
60.0	0.097872	0.463940	0.002760	0.013829	0.000000	0.103156
72.0	0.109932	0.397882	0.003119	0.011860	0.000000	0.115217
84.0	0.120276	0.341230	0.003428	0.010171	0.000000	0.125560
96.0	0.129146	0.292644	0.003692	0.008723	0.000000	0.134431
120.0	0.143278	0.215240	0.004113	0.006416	0.000000	0.148563
144.0	0.153672	0.158310	0.004423	0.004719	0.000000	0.158957
168.0	0.161317	0.116438	0.004651	0.003471	0.000000	0.166602
192.0	0.166940	0.085640	0.004818	0.002553	0.000000	0.172225
216.0	0.171076	0.062989	0.004942	0.001878	0.	0.176360
240.0	0.174118	0.046328	0.005032	0.001381	0.	0.179402
264.0	0.176355	0.034075	0.005099	0.001016	0.	0.181639

SATURATED PROMETHIUM 0.182576
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	74.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.004743	0.974725	0.000046	0.016570	0.402918	0.010027
4.0	0.009366	0.950089	0.000143	0.022827	0.162343	0.014650
6.0	0.013872	0.926075	0.000259	0.024940	0.065411	0.019156
8.0	0.018264	0.902668	0.000380	0.025394	0.026355	0.023549
12.0	0.026718	0.857615	0.000622	0.024728	0.004279	0.032003
16.0	0.034750	0.814810	0.000854	0.023592	0.000695	0.040035
20.0	0.042382	0.774142	0.001075	0.022430	0.000113	0.047666
24.0	0.049632	0.735503	0.001285	0.021313	0.000018	0.054917
30.0	0.059835	0.681131	0.001581	0.019738	0.000001	0.065119
36.0	0.069283	0.630779	0.001855	0.018279	0.000000	0.074568
42.0	0.078034	0.584149	0.002108	0.016928	0.000000	0.083318
48.0	0.086137	0.540965	0.002343	0.015676	0.000000	0.091421
60.0	0.100590	0.463940	0.002762	0.013444	0.000000	0.105875
72.0	0.112986	0.397882	0.003121	0.011530	0.000000	0.118271
84.0	0.123617	0.341230	0.003429	0.009888	0.000000	0.128901
96.0	0.132734	0.292644	0.003693	0.008480	0.000000	0.138018
120.0	0.147258	0.215240	0.004114	0.006237	0.000000	0.152543
144.0	0.157941	0.158310	0.004424	0.004588	0.000000	0.163226
168.0	0.165798	0.116438	0.004651	0.003374	0.000000	0.171083
192.0	0.171577	0.085640	0.004819	0.002482	0.000000	0.176862
216.0	0.175828	0.062989	0.004942	0.001825	0.	0.181112
240.0	0.178954	0.046328	0.005033	0.001343	0.	0.184239
264.0	0.181254	0.034075	0.005099	0.000987	0.	0.186538

SATURATED PROMETHIUM 0.187648
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	76.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.004871	0.974725	0.000047	0.016397	0.393139	0.010156
4.0	0.009619	0.950089	0.000145	0.022429	0.154559	0.014903
6.0	0.014247	0.926075	0.000262	0.024397	0.060763	0.019531
8.0	0.018758	0.902668	0.000383	0.024776	0.023888	0.024042
12.0	0.027440	0.857615	0.000625	0.024076	0.003692	0.032725
16.0	0.035690	0.814810	0.000857	0.022957	0.000571	0.040974
20.0	0.043527	0.774142	0.001078	0.021824	0.000088	0.048812
24.0	0.050974	0.735503	0.001288	0.020736	0.000014	0.056258
30.0	0.061452	0.681131	0.001584	0.019204	0.000001	0.066737
36.0	0.071156	0.630779	0.001857	0.017784	0.000000	0.076441
42.0	0.080143	0.584149	0.002111	0.016470	0.000000	0.085427
48.0	0.088465	0.540965	0.002345	0.015252	0.000000	0.093749
60.0	0.103309	0.463940	0.002764	0.013080	0.000000	0.108594
72.0	0.116040	0.397882	0.003123	0.011218	0.000000	0.121324
84.0	0.126958	0.341230	0.003430	0.009621	0.000000	0.132242
96.0	0.136321	0.292644	0.003694	0.008251	0.000000	0.141606
120.0	0.151238	0.215240	0.004115	0.006069	0.000000	0.156523
144.0	0.162210	0.158310	0.004424	0.004463	0.000000	0.167494
168.0	0.170279	0.116438	0.004652	0.003283	0.000000	0.175564
192.0	0.176215	0.085640	0.004819	0.002415	0.	0.181499
216.0	0.180580	0.062989	0.004942	0.001776	0.	0.185865
240.0	0.183791	0.046328	0.005033	0.001306	0.	0.189075
264.0	0.186152	0.034075	0.005099	0.000961	0.	0.191437

SATURATED PROMETHIUM 0.192719
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	78.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.004999	0.974725	0.000048	0.016227	0.383598	0.010284
4.0	0.009872	0.950089	0.000147	0.022042	0.147148	0.015157
6.0	0.014622	0.926075	0.000265	0.023872	0.056446	0.019906
8.0	0.019251	0.902668	0.000387	0.024185	0.021652	0.024536
12.0	0.028162	0.857615	0.000628	0.023455	0.003186	0.033447
16.0	0.036629	0.814810	0.000861	0.022355	0.000469	0.041913
20.0	0.044673	0.774142	0.001081	0.021249	0.000069	0.049957
24.0	0.052315	0.735503	0.001291	0.020190	0.000010	0.057600
30.0	0.063069	0.681131	0.001586	0.018698	0.000001	0.068354
36.0	0.073029	0.630779	0.001860	0.017316	0.000000	0.078313
42.0	0.082252	0.584149	0.002113	0.016036	0.000000	0.087536
48.0	0.090793	0.540965	0.002347	0.014850	0.000000	0.096077
60.0	0.106028	0.463940	0.002766	0.012736	0.000000	0.111312
72.0	0.119093	0.397882	0.003124	0.010922	0.000000	0.124378
84.0	0.130299	0.341230	0.003432	0.009367	0.000000	0.135583
96.0	0.139909	0.292644	0.003696	0.008033	0.000000	0.145193
120.0	0.155218	0.215240	0.004116	0.005909	0.000000	0.160503
144.0	0.166478	0.158310	0.004425	0.004346	0.000000	0.171763
168.0	0.174760	0.116438	0.004652	0.003196	0.000000	0.180045
192.0	0.180852	0.085640	0.004820	0.002351	0.	0.186136
216.0	0.185332	0.062989	0.004943	0.001729	0.	0.190517
240.0	0.188627	0.046328	0.005033	0.001272	0.	0.193912
264.0	0.191051	0.034075	0.005100	0.000935	0.	0.196336

SATURATED PROMETHIUM 0.197791
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	80.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.005127	0.974725	0.000049	0.016060	0.374289	0.010412
4.0	0.010125	0.950089	0.000149	0.021665	0.140092	0.015410
6.0	0.014997	0.926075	0.000267	0.023367	0.052435	0.020281
8.0	0.019745	0.902668	0.000390	0.023618	0.019626	0.025029
12.0	0.028885	0.857615	0.000632	0.022865	0.002749	0.034169
16.0	0.037568	0.814810	0.000864	0.021783	0.000385	0.042853
20.0	0.045818	0.774142	0.001084	0.020704	0.000054	0.051103
24.0	0.053656	0.735503	0.001294	0.019672	0.000008	0.058941
30.0	0.064686	0.681131	0.001589	0.018218	0.000000	0.069971
36.0	0.074901	0.630779	0.001862	0.016871	0.000000	0.080186
42.0	0.084361	0.584149	0.002115	0.015624	0.000000	0.089645
48.0	0.093121	0.540965	0.002349	0.014469	0.000000	0.098405
60.0	0.108746	0.463940	0.002767	0.012409	0.000000	0.114031
72.0	0.122147	0.397882	0.003126	0.010642	0.000000	0.127432
84.0	0.133640	0.341230	0.003433	0.009127	0.000000	0.138924
96.0	0.143496	0.292644	0.003697	0.007827	0.000000	0.148781
120.0	0.159198	0.215240	0.004117	0.005757	0.000000	0.164483
144.0	0.170747	0.158310	0.004426	0.004234	0.000000	0.176032
168.0	0.179242	0.116438	0.004653	0.003114	0.000000	0.184526
192.0	0.185489	0.085640	0.004820	0.002291	0.	0.190774
216.0	0.190084	0.062989	0.004943	0.001685	0.	0.195369
240.0	0.193464	0.046328	0.005033	0.001239	0.	0.198749
264.0	0.195950	0.034075	0.005100	0.000911	0.	0.201234

SATURATED PROMETHIUM 0.202862
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	82.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.005256	0.974725	0.000050	0.015895	0.365205	0.010540
4.0	0.010378	0.950089	0.000151	0.021298	0.133375	0.015663
6.0	0.015371	0.926075	0.000270	0.022879	0.048709	0.020656
8.0	0.020239	0.902668	0.000392	0.023075	0.017789	0.025523
12.0	0.029607	0.857615	0.000635	0.022302	0.002373	0.034891
16.0	0.038507	0.814810	0.000866	0.021240	0.000316	0.043792
20.0	0.046964	0.774142	0.001087	0.020186	0.000042	0.052248
24.0	0.054998	0.735503	0.001296	0.019180	0.000006	0.060282
30.0	0.066304	0.681131	0.001591	0.017762	0.000000	0.071588
36.0	0.076774	0.630779	0.001864	0.016449	0.000000	0.082058
42.0	0.086470	0.584149	0.002117	0.015233	0.000000	0.091754
48.0	0.095449	0.540965	0.002351	0.014107	0.000000	0.100733
60.0	0.111465	0.463940	0.002769	0.012098	0.000000	0.116750
72.0	0.125201	0.397882	0.003127	0.010376	0.000000	0.130485
84.0	0.136981	0.341230	0.003434	0.008898	0.000000	0.142265
96.0	0.147083	0.292644	0.003698	0.007631	0.000000	0.152368
120.0	0.163178	0.215240	0.004117	0.005613	0.000000	0.168463
144.0	0.175016	0.158310	0.004426	0.004128	0.000000	0.180300
168.0	0.183723	0.116438	0.004653	0.003036	0.000000	0.189007
192.0	0.190126	0.085640	0.004820	0.002233	0.	0.195411
216.0	0.194836	0.062989	0.004943	0.001643	0.	0.200121
240.0	0.198301	0.046328	0.005033	0.001208	0.	0.203585
264.0	0.200849	0.034075	0.005100	0.000889	0.	0.206133

SATURATED PROMETHIUM 0.207934
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	84.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.005384	0.974725	0.000050	0.015732	0.356342	0.010668
4.0	0.010631	0.950089	0.000153	0.020940	0.126980	0.015916
6.0	0.015746	0.926075	0.000272	0.022409	0.045248	0.021031
8.0	0.020732	0.902668	0.000395	0.022554	0.016124	0.026017
12.0	0.030329	0.857615	0.000637	0.021766	0.002047	0.035613
16.0	0.039446	0.814810	0.000869	0.020723	0.000260	0.044731
20.0	0.048109	0.774142	0.001089	0.019594	0.000033	0.053394
24.0	0.056339	0.735503	0.001299	0.018712	0.000004	0.061624
30.0	0.067921	0.681131	0.001594	0.017328	0.000000	0.073205
36.0	0.078646	0.630777	0.001866	0.016047	0.000000	0.083931
42.0	0.088579	0.584149	0.002119	0.014861	0.000000	0.093863
48.0	0.097777	0.540965	0.002353	0.013763	0.000000	0.103061
60.0	0.114184	0.463940	0.002770	0.011803	0.000000	0.119468
72.0	0.128254	0.397882	0.003128	0.010122	0.000000	0.133539
84.0	0.140322	0.341230	0.003435	0.008681	0.000000	0.145606
96.0	0.150671	0.292644	0.003699	0.007445	0.000000	0.155955
120.0	0.167158	0.215240	0.004118	0.005476	0.000000	0.172443
144.0	0.179285	0.158310	0.004427	0.004028	0.000000	0.184569
168.0	0.188204	0.116438	0.004654	0.002962	0.000000	0.193488
192.0	0.194764	0.085640	0.004820	0.002179	0.	0.200048
216.0	0.199588	0.062989	0.004943	0.001602	0.	0.204873
240.0	0.203137	0.046328	0.005033	0.001179	0.	0.208422
264.0	0.205747	0.034075	0.005100	0.000867	0.	0.211032

SATURATED PROMETHIUM 0.213005
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	86.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.005312	0.974725	0.000051	0.015572	0.347694	0.010796
4.0	0.010885	0.950089	0.000155	0.020593	0.120891	0.016169
6.0	0.016121	0.926075	0.000275	0.021955	0.042033	0.021406
8.0	0.021226	0.902668	0.000398	0.022094	0.014615	0.026510
12.0	0.031051	0.857615	0.000640	0.021254	0.001767	0.036335
16.0	0.040386	0.814810	0.000877	0.020230	0.000214	0.045670
20.0	0.049254	0.774142	0.001072	0.019225	0.000026	0.054539
24.0	0.057681	0.735503	0.001301	0.018266	0.000003	0.062955
30.0	0.069538	0.681131	0.001596	0.016915	0.000000	0.074822
36.0	0.080313	0.630777	0.001868	0.015665	0.000000	0.085803
42.0	0.090688	0.584149	0.002121	0.014507	0.000000	0.095972
48.0	0.100105	0.540965	0.002355	0.013434	0.000000	0.105389
60.0	0.116902	0.463940	0.002772	0.011522	0.000000	0.122187
72.0	0.131308	0.397882	0.003130	0.009881	0.000000	0.136593
84.0	0.143663	0.341230	0.003437	0.008474	0.000000	0.148947
96.0	0.154258	0.292644	0.003700	0.007268	0.000000	0.159543
120.0	0.171138	0.215240	0.004119	0.005345	0.000000	0.176423
144.0	0.183553	0.158310	0.004427	0.003932	0.000000	0.188838
168.0	0.192685	0.116438	0.004654	0.002892	0.	0.197769
192.0	0.199401	0.085640	0.004821	0.002127	0.	0.204685
216.0	0.204341	0.062989	0.004943	0.001564	0.	0.209625
240.0	0.207974	0.046328	0.005034	0.001151	0.	0.213258
264.0	0.210646	0.034075	0.005100	0.000846	0.	0.215931

SATURATED PROMETHIUM 0.218077
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	88.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.005640	0.974725	0.000052	0.015414	0.339256	0.010925
4.0	0.011138	0.950089	0.000157	0.020254	0.115095	0.016422
6.0	0.016496	0.926075	0.000277	0.021516	0.039047	0.021781
8.0	0.021719	0.902668	0.000400	0.021574	0.013247	0.027004
12.0	0.031773	0.857615	0.000643	0.020765	0.001525	0.037058
16.0	0.041325	0.814810	0.000874	0.019760	0.000175	0.046609
20.0	0.050400	0.774142	0.001094	0.018777	0.000020	0.055684
24.0	0.059022	0.735503	0.001303	0.017840	0.000002	0.064307
30.0	0.071155	0.681131	0.001598	0.016522	0.000000	0.076440
36.0	0.082391	0.630777	0.001870	0.015300	0.000000	0.087676
42.0	0.092797	0.584149	0.002123	0.014169	0.000000	0.098081
48.0	0.102433	0.540965	0.002356	0.013122	0.000000	0.107717
60.0	0.119621	0.463940	0.002773	0.011253	0.000000	0.124906
72.0	0.134362	0.397882	0.003131	0.009651	0.000000	0.139646
84.0	0.147004	0.341230	0.003438	0.008777	0.000000	0.152288
96.0	0.157846	0.292644	0.003701	0.007098	0.000000	0.163130
120.0	0.175118	0.215240	0.004120	0.005521	0.000000	0.180403
144.0	0.187822	0.158310	0.004428	0.003840	0.000000	0.193106
168.0	0.197166	0.116438	0.004654	0.002824	0.	0.202450
192.0	0.204038	0.085640	0.004821	0.002077	0.	0.209323
216.0	0.209093	0.062989	0.004944	0.001528	0.	0.214377
240.0	0.212810	0.046328	0.005034	0.001124	0.	0.218095
264.0	0.215545	0.034075	0.005100	0.000827	0.	0.220829

SATURATED PROMETHIUM 0.223149
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	90.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.005768	0.974725	0.000053	0.015259	0.331023	0.011053
4.0	0.011391	0.950089	0.000158	0.019924	0.109576	0.016675
6.0	0.016871	0.926075	0.000279	0.021092	0.036272	0.022156
8.0	0.022213	0.902668	0.000403	0.021113	0.012007	0.027498
12.0	0.032495	0.857615	0.000645	0.020298	0.001316	0.037780
16.0	0.042264	0.814810	0.000877	0.019311	0.000144	0.047549
20.0	0.051545	0.774142	0.001097	0.018350	0.000016	0.056830
24.0	0.060363	0.735503	0.001306	0.017435	0.000002	0.065648
30.0	0.072772	0.681131	0.001600	0.016146	0.000000	0.078037
36.0	0.084264	0.630777	0.001872	0.014952	0.000000	0.089548
42.0	0.094906	0.584149	0.002124	0.013847	0.000000	0.100190
48.0	0.104761	0.540965	0.002358	0.012823	0.000000	0.110045
60.0	0.122340	0.463940	0.002775	0.010997	0.000000	0.127624
72.0	0.137415	0.397882	0.003132	0.009432	0.000000	0.142700
84.0	0.150345	0.341230	0.003439	0.008089	0.000000	0.155629
96.0	0.161433	0.292644	0.003701	0.006937	0.000000	0.166717
120.0	0.179098	0.215240	0.004120	0.005102	0.000000	0.184382
144.0	0.192091	0.158310	0.004428	0.003753	0.000000	0.197375
168.0	0.201647	0.116438	0.004655	0.002760	0.	0.206931
192.0	0.208675	0.085640	0.004821	0.002030	0.	0.213960
216.0	0.213845	0.062989	0.004944	0.001493	0.	0.219129
240.0	0.217647	0.046328	0.005034	0.001098	0.	0.222932
264.0	0.220444	0.034075	0.005100	0.000808	0.	0.225728

SATURATED PROMETHIUM 0.228220
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	92.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.005896	0.974725	0.000054	0.015105	0.322989	0.011181
4.0	0.011644	0.950089	0.000160	0.019602	0.104322	0.016928
6.0	0.017246	0.926075	0.000281	0.020683	0.033695	0.022531
8.0	0.022707	0.902668	0.000405	0.020669	0.010883	0.027991
12.0	0.033217	0.857615	0.000648	0.019851	0.001135	0.038502
16.0	0.043203	0.814810	0.000879	0.018882	0.000118	0.048488
20.0	0.052691	0.774142	0.001099	0.017942	0.000012	0.057975
24.0	0.061705	0.735503	0.001308	0.017047	0.000001	0.066989
30.0	0.074389	0.681131	0.001602	0.015787	0.000000	0.079674
36.0	0.086136	0.630779	0.001874	0.014620	0.000000	0.091421
42.0	0.097015	0.584149	0.002126	0.013539	0.000000	0.102299
48.0	0.107089	0.540965	0.002360	0.012538	0.000000	0.112373
60.0	0.125058	0.463940	0.002776	0.010753	0.000000	0.130343
72.0	0.140469	0.397882	0.003133	0.009222	0.000000	0.145754
84.0	0.153686	0.341230	0.003440	0.007909	0.000000	0.158970
96.0	0.165020	0.292644	0.003702	0.006783	0.000000	0.170305
120.0	0.183078	0.215240	0.004121	0.004989	0.000000	0.188362
144.0	0.196359	0.158310	0.004429	0.003669	0.000000	0.201644
168.0	0.206128	0.116438	0.004655	0.002699	0.	0.211412
192.0	0.213312	0.085640	0.004821	0.001985	0.	0.218597
216.0	0.218597	0.062989	0.004944	0.001460	0.	0.223881
240.0	0.222484	0.046328	0.005034	0.001074	0.	0.227768
264.0	0.225342	0.034075	0.005100	0.000790	0.	0.230627

SATURATED PROMETHIUM 0.233292
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	94.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.006025	0.974725	0.000055	0.014954	0.315151	0.011309
4.0	0.011897	0.950089	0.000162	0.019289	0.099320	0.017182
6.0	0.017621	0.926075	0.000283	0.020287	0.031301	0.022906
8.0	0.023200	0.902668	0.000407	0.020242	0.009864	0.028485
12.0	0.033939	0.857615	0.000650	0.019422	0.000980	0.039224
16.0	0.044142	0.814810	0.000881	0.018472	0.000097	0.049427
20.0	0.053836	0.774142	0.001101	0.017552	0.000010	0.059121
24.0	0.063046	0.735503	0.001310	0.016676	0.000001	0.068331
30.0	0.076007	0.681131	0.001603	0.015443	0.000000	0.081291
36.0	0.088009	0.630779	0.001876	0.014302	0.000000	0.093293
42.0	0.099124	0.584149	0.002128	0.013244	0.000000	0.104408
48.0	0.109417	0.540965	0.002361	0.012265	0.000000	0.114702
60.0	0.127777	0.463940	0.002777	0.010519	0.000000	0.133062
72.0	0.143523	0.397882	0.003134	0.009021	0.000000	0.148807
84.0	0.157027	0.341230	0.003440	0.007737	0.000000	0.162311
96.0	0.168608	0.292644	0.003703	0.006635	0.000000	0.173892
120.0	0.187058	0.215240	0.004121	0.004880	0.000000	0.192342
144.0	0.200628	0.158310	0.004429	0.003589	0.000000	0.205912
168.0	0.210609	0.116438	0.004655	0.002640	0.	0.215893
192.0	0.217950	0.085640	0.004822	0.001942	0.	0.223234
216.0	0.223349	0.062989	0.004944	0.001428	0.	0.228634
240.0	0.227320	0.046328	0.005034	0.001050	0.	0.232605
264.0	0.230241	0.034075	0.005100	0.000773	0.	0.235526

SATURATED PROMETHIUM 0.238363
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	96.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.006153	0.974725	0.000055	0.014806	0.307502	0.011437
4.0	0.012150	0.950089	0.000163	0.018984	0.094558	0.017435
6.0	0.017996	0.926075	0.000285	0.019904	0.029077	0.023280
8.0	0.023694	0.902668	0.000410	0.019832	0.008941	0.028978
12.0	0.034661	0.857615	0.000652	0.019012	0.000845	0.039946
16.0	0.045082	0.814810	0.000883	0.018079	0.000080	0.050366
20.0	0.054982	0.774142	0.001103	0.017178	0.000008	0.060266
24.0	0.064388	0.735503	0.001311	0.016321	0.000001	0.069672
30.0	0.077624	0.681131	0.001605	0.015114	0.000000	0.082908
36.0	0.089881	0.630779	0.001877	0.013997	0.000000	0.095166
42.0	0.101233	0.584149	0.002129	0.012962	0.000000	0.106517
48.0	0.111745	0.540965	0.002362	0.012004	0.000000	0.117030
60.0	0.130496	0.463940	0.002778	0.010295	0.000000	0.135780
72.0	0.146576	0.397882	0.003135	0.008829	0.000000	0.151861
84.0	0.160368	0.341230	0.003441	0.007572	0.000000	0.165652
96.0	0.172195	0.292644	0.003704	0.006494	0.000000	0.177480
120.0	0.191038	0.215240	0.004122	0.004776	0.000000	0.196322
144.0	0.204897	0.158310	0.004429	0.003513	0.000000	0.210181
168.0	0.215090	0.116438	0.004656	0.002584	0.	0.220374
192.0	0.222587	0.085640	0.004822	0.001900	0.	0.227871
216.0	0.228101	0.062989	0.004944	0.001398	0.	0.233386
240.0	0.232157	0.046328	0.005034	0.001028	0.	0.237441
264.0	0.235140	0.034075	0.005100	0.000756	0.	0.240424

SATURATED PROMETHIUM 0.243435
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	98.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.006281	0.974725	0.000056	0.014659	0.300040	0.011566
4.0	0.012403	0.950089	0.000165	0.018687	0.090024	0.017688
6.0	0.018371	0.926075	0.000287	0.019534	0.027011	0.023655
8.0	0.024188	0.902668	0.000412	0.019436	0.008104	0.029472
12.0	0.035384	0.857615	0.000654	0.018618	0.000730	0.040668
16.0	0.046021	0.814810	0.000885	0.017702	0.000066	0.051305
20.0	0.056127	0.774142	0.001105	0.016820	0.000006	0.061412
24.0	0.065729	0.735503	0.001313	0.015980	0.000001	0.071014
30.0	0.079241	0.681131	0.001607	0.014799	0.000000	0.084525
36.0	0.091754	0.630779	0.001879	0.013705	0.000000	0.097038
42.0	0.103342	0.584149	0.002131	0.012692	0.000000	0.108626
48.0	0.114073	0.540965	0.002364	0.011754	0.000000	0.119358
60.0	0.133214	0.463940	0.002780	0.010080	0.000000	0.138499
72.0	0.149630	0.397882	0.003136	0.008645	0.000000	0.154915
84.0	0.163709	0.341230	0.003442	0.007414	0.000000	0.168993
96.0	0.175783	0.292644	0.003704	0.006358	0.000000	0.181057
120.0	0.195018	0.215240	0.004122	0.004677	0.000000	0.200302
144.0	0.209165	0.158310	0.004430	0.003440	0.000000	0.214450
168.0	0.219571	0.116438	0.004656	0.002530	0.	0.224855
192.0	0.227224	0.085640	0.004822	0.001861	0.	0.232509
216.0	0.232853	0.062989	0.004944	0.001369	0.	0.238138
240.0	0.236993	0.046328	0.005034	0.001007	0.	0.242278
264.0	0.240039	0.034075	0.005101	0.000740	0.	0.245323

SATURATED PROMETHIUM 0.248506
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	100.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.006409	0.974725	0.000057	0.014515	0.292758	0.011694
4.0	0.012656	0.950089	0.000167	0.018397	0.085707	0.017941
6.0	0.018746	0.926075	0.000289	0.019176	0.025091	0.024030
8.0	0.024681	0.902668	0.000414	0.019056	0.007346	0.029966
12.0	0.036106	0.857615	0.000656	0.018240	0.000630	0.041390
16.0	0.046960	0.814810	0.000887	0.017341	0.000054	0.052245
20.0	0.057273	0.774142	0.001106	0.016476	0.000005	0.062557
24.0	0.067070	0.735503	0.001315	0.015654	0.000000	0.072355
30.0	0.080858	0.681131	0.001608	0.014497	0.000000	0.086143
36.0	0.093626	0.630779	0.001880	0.013425	0.000000	0.098911
42.0	0.105451	0.584149	0.002132	0.012433	0.000000	0.110735
48.0	0.116401	0.540965	0.002365	0.011514	0.000000	0.121686
60.0	0.135933	0.463940	0.002781	0.009874	0.000000	0.141217
72.0	0.152684	0.397882	0.003137	0.008468	0.000000	0.157968
84.0	0.167050	0.341230	0.003443	0.007263	0.000000	0.172334
96.0	0.179370	0.292644	0.003705	0.006228	0.000000	0.184654
120.0	0.198998	0.215240	0.004123	0.004581	0.000000	0.204282
144.0	0.213434	0.158310	0.004430	0.003369	0.	0.218719
168.0	0.224052	0.116438	0.004656	0.002478	0.	0.229336
192.0	0.231861	0.085640	0.004822	0.001823	0.	0.237146
216.0	0.237605	0.062989	0.004945	0.001341	0.	0.242890
240.0	0.241830	0.046328	0.005035	0.000986	0.	0.247115
264.0	0.244937	0.034075	0.005101	0.000725	0.	0.250222

SATURATED PROMETHIUM 0.253578
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	110.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.007050	0.974725	0.000061	0.013823	0.258916	0.012335
4.0	0.013922	0.950089	0.000174	0.017053	0.067038	0.019207
6.0	0.020620	0.926075	0.000298	0.017549	0.017357	0.025905
8.0	0.027149	0.902668	0.000423	0.017345	0.004494	0.032434
12.0	0.039716	0.857615	0.000665	0.016556	0.000301	0.045001
16.0	0.051656	0.814810	0.000895	0.015735	0.000020	0.056941
20.0	0.063000	0.774142	0.001115	0.014950	0.000001	0.068284
24.0	0.073778	0.735503	0.001323	0.014204	0.000000	0.079062
30.0	0.088944	0.681131	0.001616	0.013154	0.000000	0.094228
36.0	0.102989	0.630779	0.001887	0.012181	0.000000	0.108273
42.0	0.115996	0.584149	0.002138	0.011281	0.000000	0.121280
48.0	0.128041	0.540965	0.002371	0.010447	0.000000	0.133326
60.0	0.149526	0.463940	0.002785	0.008959	0.000000	0.154811
72.0	0.167952	0.397882	0.003141	0.007684	0.000000	0.173237
84.0	0.183755	0.341230	0.003446	0.006590	0.000000	0.189039
96.0	0.197307	0.292644	0.003708	0.005651	0.000000	0.202591
120.0	0.218897	0.215240	0.004125	0.004157	0.000000	0.224182
144.0	0.234777	0.158310	0.004432	0.003057	0.	0.240062
168.0	0.246457	0.116438	0.004657	0.002249	0.	0.251742
192.0	0.255048	0.085640	0.004823	0.001654	0.	0.260332
216.0	0.261366	0.062989	0.004945	0.001216	0.	0.266650
240.0	0.266013	0.046328	0.005035	0.000895	0.	0.271298
264.0	0.269431	0.034075	0.005101	0.000658	0.	0.274716

SATURATED PROMETHIUM 0.278936
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	120.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.007691	0.974725	0.000064	0.013180	0.228987	0.012976
4.0	0.015188	0.950089	0.000180	0.015865	0.052435	0.020472
6.0	0.022495	0.926075	0.000305	0.016155	0.012007	0.027779
8.0	0.029617	0.902668	0.000430	0.015905	0.002749	0.034902
12.0	0.043327	0.857615	0.000672	0.015155	0.000144	0.048611
16.0	0.056352	0.814810	0.000903	0.014400	0.000008	0.061637
20.0	0.068727	0.774142	0.001121	0.013682	0.000000	0.074012
24.0	0.080485	0.735503	0.001329	0.012999	0.000000	0.085769
30.0	0.097030	0.681131	0.001621	0.012038	0.000000	0.102314
36.0	0.112352	0.630779	0.001892	0.011148	0.000000	0.117636
42.0	0.126541	0.584149	0.002143	0.010324	0.000000	0.131825
48.0	0.139681	0.540965	0.002375	0.009561	0.000000	0.144966
60.0	0.163120	0.463940	0.002790	0.008199	0.000000	0.168404
72.0	0.183221	0.397882	0.003145	0.007032	0.000000	0.188505
84.0	0.200460	0.341230	0.003449	0.006031	0.000000	0.205744
96.0	0.215244	0.292644	0.003711	0.005172	0.000000	0.220528
120.0	0.238797	0.215240	0.004127	0.003804	0.	0.244082
144.0	0.256121	0.158310	0.004433	0.002798	0.	0.261405
168.0	0.268862	0.116438	0.004658	0.002058	0.	0.274147
192.0	0.278234	0.085640	0.004824	0.001514	0.	0.283518
216.0	0.285126	0.062989	0.004946	0.001113	0.	0.290411
240.0	0.290196	0.046328	0.005035	0.000819	0.	0.295481
264.0	0.293925	0.034075	0.005101	0.000602	0.	0.299209

SATURATED PROMETHIUM 0.304293
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	130.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.008332	0.974725	0.000067	0.012581	0.202517	0.013617
4.0	0.016453	0.950089	0.000185	0.014811	0.041013	0.021738
6.0	0.024369	0.926075	0.000312	0.014952	0.008306	0.029654
8.0	0.032085	0.902668	0.000437	0.014679	0.001682	0.037370
12.0	0.046937	0.857615	0.000679	0.013971	0.000069	0.052222
16.0	0.061048	0.814810	0.000908	0.013275	0.000003	0.066333
20.0	0.074454	0.774142	0.001127	0.012612	0.000000	0.079739
24.0	0.087192	0.735503	0.001334	0.011983	0.000000	0.092476
30.0	0.105115	0.681131	0.001626	0.011097	0.000000	0.110400
36.0	0.121714	0.630779	0.001897	0.010277	0.000000	0.126999
42.0	0.137086	0.584149	0.002147	0.009517	0.000000	0.142370
48.0	0.151321	0.540965	0.002379	0.008813	0.000000	0.156606
60.0	0.176713	0.463940	0.002793	0.007558	0.000000	0.181997
72.0	0.198489	0.397882	0.003148	0.006482	0.000000	0.203774
84.0	0.217165	0.341230	0.003452	0.005559	0.000000	0.222449
96.0	0.233181	0.292644	0.003713	0.004768	0.000000	0.238465
120.0	0.258697	0.215240	0.004129	0.003507	0.	0.263982
144.0	0.277464	0.158310	0.004434	0.002579	0.	0.282749
168.0	0.291267	0.116438	0.004659	0.001897	0.	0.296552
192.0	0.301420	0.085640	0.004825	0.001395	0.	0.306704
216.0	0.308887	0.062989	0.004946	0.001026	0.	0.314171
240.0	0.314379	0.046328	0.005036	0.000755	0.	0.319664
264.0	0.318418	0.034075	0.005102	0.000555	0.	0.323703

SATURATED PROMETHIUM 0.329651
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	140.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.008973	0.974725	0.000070	0.012022	0.179107	0.014257
4.0	0.017719	0.950089	0.000190	0.013872	0.032079	0.023004
6.0	0.026244	0.926075	0.000317	0.013907	0.005746	0.031529
8.0	0.034554	0.902668	0.000442	0.013624	0.001029	0.039838
12.0	0.050548	0.857615	0.000684	0.012959	0.000033	0.055833
16.0	0.065744	0.814810	0.000914	0.012312	0.000001	0.071029
20.0	0.080182	0.774142	0.001132	0.011698	0.000000	0.085466
24.0	0.093899	0.735503	0.001339	0.011114	0.000000	0.099183
30.0	0.113201	0.681131	0.001631	0.010292	0.000000	0.118486
36.0	0.131077	0.630779	0.001901	0.009531	0.000000	0.136361
42.0	0.147631	0.584149	0.002151	0.008827	0.000000	0.152916
48.0	0.162961	0.540965	0.002383	0.008174	0.000000	0.168246
60.0	0.190306	0.463940	0.002796	0.007010	0.000000	0.195591
72.0	0.213757	0.397882	0.003150	0.006012	0.000000	0.219042
84.0	0.233869	0.341230	0.003454	0.005156	0.000000	0.239154
96.0	0.251118	0.292644	0.003715	0.004422	0.000000	0.256402
120.0	0.278597	0.215240	0.004130	0.003252	0.	0.283881
144.0	0.298808	0.158310	0.004435	0.002392	0.	0.304092
168.0	0.313673	0.116438	0.004660	0.001759	0.	0.318957
192.0	0.324606	0.085640	0.004825	0.001294	0.	0.329891
216.0	0.332647	0.062989	0.004947	0.000952	0.	0.337932
240.0	0.338562	0.046328	0.005036	0.000700	0.	0.343847
264.0	0.342912	0.034075	0.005102	0.000515	0.	0.348197

SATURATED PROMETHIUM 0.355009
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	150.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.009614	0.974725	0.000073	0.011501	0.158403	0.014898
4.0	0.018985	0.950089	0.000195	0.013032	0.025091	0.024269
6.0	0.028119	0.926075	0.000322	0.012992	0.003975	0.033403
8.0	0.037022	0.902668	0.000447	0.012709	0.000630	0.042306
12.0	0.054159	0.857615	0.000689	0.012083	0.000016	0.059443
16.0	0.070440	0.814810	0.000918	0.011480	0.000000	0.075725
20.0	0.085909	0.774142	0.001136	0.010907	0.000000	0.091193
24.0	0.100606	0.735503	0.001343	0.010363	0.000000	0.105890
30.0	0.121287	0.681131	0.001634	0.009596	0.000000	0.126572
36.0	0.140439	0.630779	0.001904	0.008887	0.000000	0.145724
42.0	0.158176	0.584149	0.002154	0.008230	0.000000	0.163461
48.0	0.174602	0.540965	0.002386	0.007622	0.000000	0.179886
60.0	0.203899	0.463940	0.002798	0.006536	0.000000	0.209184
72.0	0.229026	0.397882	0.003152	0.005606	0.000000	0.234310
84.0	0.250574	0.341230	0.003456	0.004808	0.000000	0.255859
96.0	0.269055	0.292644	0.003716	0.004123	0.	0.274339
120.0	0.298497	0.215240	0.004131	0.003033	0.	0.303781
144.0	0.320151	0.158310	0.004436	0.002230	0.	0.325435
168.0	0.336078	0.116438	0.004661	0.001640	0.	0.341362
192.0	0.347792	0.085640	0.004826	0.001207	0.	0.353077
216.0	0.356408	0.062989	0.004947	0.000887	0.	0.361693
240.0	0.362745	0.046328	0.005036	0.000653	0.	0.368030
264.0	0.367406	0.034075	0.005102	0.000480	0.	0.372690

SATURATED PROMETHIUM 0.380367
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	160.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.010255	0.974725	0.000075	0.011015	0.140092	0.015539
4.0	0.020250	0.950089	0.000199	0.012279	0.019626	0.025535
6.0	0.029993	0.926075	0.000326	0.012185	0.002749	0.035278
8.0	0.039490	0.902668	0.000451	0.011907	0.000385	0.044774
12.0	0.057769	0.857615	0.000693	0.011318	0.000008	0.063054
16.0	0.075136	0.814810	0.000922	0.010753	0.000000	0.080421
20.0	0.091636	0.774142	0.001140	0.010216	0.000000	0.096921
24.0	0.107313	0.735503	0.001346	0.009706	0.000000	0.112597
30.0	0.129373	0.681131	0.001638	0.008989	0.000000	0.134657
36.0	0.149802	0.630779	0.001907	0.008324	0.000000	0.155087
42.0	0.168721	0.584149	0.002157	0.007709	0.000000	0.174006
48.0	0.186242	0.540965	0.002388	0.007139	0.000000	0.191526
60.0	0.217493	0.463940	0.002800	0.006123	0.000000	0.222777
72.0	0.244294	0.397882	0.003154	0.005251	0.000000	0.249579
84.0	0.267279	0.341230	0.003458	0.004503	0.000000	0.272564
96.0	0.286992	0.292644	0.003718	0.003862	0.	0.292257
120.0	0.318396	0.215240	0.004132	0.002840	0.	0.323681
144.0	0.341494	0.158310	0.004437	0.002089	0.	0.346779
168.0	0.358483	0.116438	0.004661	0.001537	0.	0.363768
192.0	0.370978	0.085640	0.004826	0.001130	0.	0.376263
216.0	0.380169	0.062989	0.004947	0.000831	0.	0.385453
240.0	0.386928	0.046328	0.005036	0.000611	0.	0.392213
264.0	0.391900	0.034075	0.005102	0.000450	0.	0.397184

SATURATED PROMETHIUM 0.405725
SATURATED SAMARIUM 0.005285

TIME HOURS	PROMETHIUM		MW/KG	170.00 SAMARIUM		SHUTDOWN TRANSIENT
	A	B		C	D	
0.	0.	1.000000	0.	0.	1.000000	0.005285
2.0	0.010896	0.974725	0.000078	0.010560	0.123898	0.016180
4.0	0.021516	0.950089	0.000202	0.011601	0.015351	0.026800
6.0	0.031868	0.926075	0.000330	0.011470	0.001902	0.037152
8.0	0.041958	0.902668	0.000455	0.011200	0.000236	0.047242
12.0	0.061380	0.857615	0.000696	0.010644	0.000004	0.066664
16.0	0.079832	0.814810	0.000925	0.010113	0.000000	0.085117
20.0	0.097363	0.774142	0.001143	0.009608	0.000000	0.102648
24.0	0.114020	0.735503	0.001350	0.009128	0.000000	0.119304
30.0	0.137459	0.681131	0.001640	0.008453	0.000000	0.142743
36.0	0.159165	0.630779	0.001910	0.007829	0.000000	0.164449
42.0	0.179266	0.584149	0.002159	0.007250	0.000000	0.184551
48.0	0.197882	0.540965	0.002390	0.006714	0.000000	0.203166
60.0	0.231086	0.463940	0.002802	0.005758	0.000000	0.236371
72.0	0.259562	0.397882	0.003156	0.004938	0.000000	0.264847
84.0	0.283984	0.341230	0.003459	0.004235	0.000000	0.289269
96.0	0.304929	0.292644	0.003719	0.003632	0.	0.310213
120.0	0.338296	0.215240	0.004133	0.002671	0.	0.343581
144.0	0.362838	0.158310	0.004438	0.001965	0.	0.368122
168.0	0.380888	0.116438	0.004662	0.001445	0.	0.386173
192.0	0.394164	0.085640	0.004826	0.001063	0.	0.399449
216.0	0.403929	0.062989	0.004948	0.000782	0.	0.409214
240.0	0.411111	0.046328	0.005037	0.000575	0.	0.416396
264.0	0.416393	0.034075	0.005102	0.000423	0.	0.421678

SATURATED PROMETHIUM 0.431082
SATURATED SAMARIUM 0.005285

		INITIAL MM/KG		90.00			
		POWER REDUCTION, PERCENT					
		5.	10.	20.	50.	75.	100.
TIME							
0 SEC	-0.00004	-0.00008	-0.00015	-0.00038	-0.00057	-0.00076	-0.00080
5 SEC	-0.00007	-0.00015	-0.00030	-0.00075	-0.00113	-0.00152	-0.00161
10 SEC	-0.00021	-0.00042	-0.00085	-0.00218	-0.00334	-0.00452	-0.00482
30 SEC	-0.00038	-0.00077	-0.00154	-0.00392	-0.00585	-0.00778	-0.00823
60 SEC	-0.00065	-0.00131	-0.00262	-0.00645	-0.01033	-0.01426	-0.01524
2 MIN	-0.00104	-0.00208	-0.00416	-0.01033	-0.01650	-0.02275	-0.02478
5 MIN	-0.00120	-0.00240	-0.00480	-0.01200	-0.01920	-0.02640	-0.02880
10 MIN	-0.00139	-0.00278	-0.00556	-0.01410	-0.02140	-0.02860	-0.03100
30 MIN	-0.00119	-0.00238	-0.00476	-0.01193	-0.01880	-0.02570	-0.02810
60 MIN	-0.00102	-0.00204	-0.00408	-0.01012	-0.01518	-0.02024	-0.02264
2 HR	-0.00082	-0.00164	-0.00328	-0.00816	-0.01224	-0.01630	-0.01776
4 HR	-0.00054	-0.00108	-0.00216	-0.00512	-0.00768	-0.01024	-0.01170
8 HR	-0.00036	-0.00072	-0.00144	-0.00256	-0.00384	-0.00512	-0.00568
12 HR	-0.00010	-0.00020	-0.00040	-0.00080	-0.00120	-0.00160	-0.00176
24 HR	-0.00003	-0.00006	-0.00012	-0.00024	-0.00036	-0.00048	-0.00052
36 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
48 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
60 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
72 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
84 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
96 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
108 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
120 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
132 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
SAT 1	5.03835	4.77317	4.24282	2.65176	1.32388	0.	0.
SAT X	0.02495	0.02495	0.02494	0.02488	0.02472	0.	0.

		INITIAL MM/KG		95.00			
		POWER REDUCTION, PERCENT					
		5.	10.	20.	50.	75.	100.
TIME							
0 SEC	-0.00004	-0.00008	-0.00016	-0.00040	-0.00060	-0.00080	-0.00080
5 SEC	-0.00007	-0.00016	-0.00031	-0.00079	-0.00120	-0.00159	-0.00169
10 SEC	-0.00022	-0.00044	-0.00089	-0.00229	-0.00353	-0.00477	-0.00507
30 SEC	-0.00036	-0.00072	-0.00144	-0.00366	-0.00549	-0.00732	-0.00782
60 SEC	-0.00060	-0.00120	-0.00240	-0.00612	-0.00936	-0.01260	-0.01360
2 MIN	-0.00084	-0.00168	-0.00336	-0.00816	-0.01224	-0.01632	-0.01732
5 MIN	-0.00108	-0.00216	-0.00432	-0.01056	-0.01584	-0.02112	-0.02212
10 MIN	-0.00128	-0.00256	-0.00512	-0.01296	-0.01968	-0.02640	-0.02740
30 MIN	-0.00118	-0.00236	-0.00472	-0.01152	-0.01728	-0.02304	-0.02404
60 MIN	-0.00108	-0.00216	-0.00432	-0.01056	-0.01584	-0.02112	-0.02212
2 HR	-0.00084	-0.00168	-0.00336	-0.00816	-0.01224	-0.01632	-0.01732
4 HR	-0.00056	-0.00112	-0.00224	-0.00544	-0.00816	-0.01088	-0.01188
8 HR	-0.00036	-0.00072	-0.00144	-0.00288	-0.00432	-0.00576	-0.00624
12 HR	-0.00016	-0.00032	-0.00064	-0.00128	-0.00192	-0.00256	-0.00272
24 HR	-0.00008	-0.00016	-0.00032	-0.00064	-0.00096	-0.00128	-0.00144
36 HR	-0.00004	-0.00008	-0.00016	-0.00032	-0.00048	-0.00064	-0.00072
48 HR	-0.00002	-0.00004	-0.00008	-0.00016	-0.00024	-0.00032	-0.00036
60 HR	-0.00001	-0.00002	-0.00004	-0.00008	-0.00012	-0.00016	-0.00018
72 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
84 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
96 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
108 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
120 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
132 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
SAT 1	5.1826	5.03835	4.47853	2.79908	1.39954	0.	0.
SAT X	0.02496	0.02495	0.02494	0.02489	0.02473	0.	0.

SAT 100INE BEFORE POWER CHANGE 5.30352
SAT XENON BEFORE POWER CHANGE 0.02496

		INITIAL MM/KG		100.00			
		POWER REDUCTION, PERCENT					
		5.	10.	20.	50.	75.	100.
TIME							
0 SEC	-0.00004	-0.00008	-0.00017	-0.00042	-0.00063	-0.00085	-0.00085
5 SEC	-0.00008	-0.00016	-0.00033	-0.00083	-0.00126	-0.00169	-0.00176
10 SEC	-0.00023	-0.00046	-0.00093	-0.00241	-0.00371	-0.00507	-0.00532
30 SEC	-0.00042	-0.00084	-0.00172	-0.00417	-0.00626	-0.00842	-0.00888
60 SEC	-0.00069	-0.00138	-0.00276	-0.00683	-0.01024	-0.01362	-0.01428
2 MIN	-0.00108	-0.00216	-0.00432	-0.01056	-0.01584	-0.02112	-0.02208
5 MIN	-0.00121	-0.00242	-0.00484	-0.01212	-0.01818	-0.02424	-0.02520
10 MIN	-0.00119	-0.00238	-0.00476	-0.01193	-0.01788	-0.02384	-0.02520
30 MIN	-0.00113	-0.00226	-0.00452	-0.01136	-0.01712	-0.02304	-0.02440
60 MIN	-0.00113	-0.00226	-0.00452	-0.01136	-0.01712	-0.02304	-0.02440
2 HR	-0.00102	-0.00214	-0.00432	-0.01056	-0.01584	-0.02112	-0.02208
4 HR	-0.00083	-0.00174	-0.00348	-0.00816	-0.01224	-0.01630	-0.01776
8 HR	-0.00054	-0.00115	-0.00228	-0.00512	-0.00768	-0.01024	-0.01170
12 HR	-0.00036	-0.00075	-0.00144	-0.00256	-0.00384	-0.00512	-0.00568
24 HR	-0.00010	-0.00021	-0.00046	-0.00080	-0.00120	-0.00160	-0.00176
36 HR	-0.00003	-0.00006	-0.00012	-0.00024	-0.00036	-0.00048	-0.00052
48 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
60 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
72 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
84 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
96 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
108 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
120 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
132 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
SAT 1	5.59816	5.30352	4.71424	2.94640	1.47320	0.	0.
SAT X	0.02496	0.02496	0.02495	0.02489	0.02475	0.	0.

		INITIAL MM/KG		120.00			
		POWER REDUCTION, PERCENT					
		5.	10.	20.	50.	75.	100.
TIME							
0 SEC	-0.00005	-0.00010	-0.00020	-0.00050	-0.00076	-0.00101	-0.00101
5 SEC	-0.00010	-0.00020	-0.00040	-0.00099	-0.00151	-0.00206	-0.00206
10 SEC	-0.00027	-0.00054	-0.00110	-0.00286	-0.00433	-0.00589	-0.00614
30 SEC	-0.00048	-0.00098	-0.00200	-0.00537	-0.00805	-0.01089	-0.01135
60 SEC	-0.00078	-0.00159	-0.00332	-0.00951	-0.01459	-0.02057	-0.02103
2 MIN	-0.00108	-0.00213	-0.00426	-0.01044	-0.01590	-0.02184	-0.02228
5 MIN	-0.00113	-0.00226	-0.00452	-0.01104	-0.01654	-0.02248	-0.02292
10 MIN	-0.00122	-0.00257	-0.00515	-0.01204	-0.01758	-0.02352	-0.02396
30 MIN	-0.00119	-0.00251	-0.00505	-0.01193	-0.01747	-0.02341	-0.02385
60 MIN	-0.00113	-0.00238	-0.00476	-0.01136	-0.01712	-0.02304	-0.02348
2 HR	-0.00102	-0.00214	-0.00432	-0.01056	-0.01584	-0.02112	-0.02208
4 HR	-0.00083	-0.00174	-0.00348	-0.00816	-0.01224	-0.01630	-0.01776
8 HR	-0.00054	-0.00115	-0.00228	-0.00512	-0.00768	-0.01024	-0.01170
12 HR	-0.00036	-0.00075	-0.00144	-0.00256	-0.00384	-0.00512	-0.00568
24 HR	-0.00010	-0.00021	-0.00046	-0.00080	-0.00120	-0.00160	-0.00176
36 HR	-0.00003	-0.00006	-0.00012	-0.00024	-0.00036	-0.00048	-0.00052
48 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
60 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
72 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
84 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
96 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
108 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
120 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
132 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000
SAT 1	6.71780	6.36423	5.65709	3.53568	1.76784	0.	0.
SAT X	0.02498	0.02497	0.02496	0.02492	0.02480	0.02498	0.02498

SAT 100INE BEFORE POWER CHANGE 5.89280
SAT XENON BEFORE POWER CHANGE 0.02497

INITIAL MW/KG 140.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00006	-0.00012	-0.00023	-0.00059	-0.00088	-0.00119
10 SEC	-0.00011	-0.00023	-0.00046	-0.00116	-0.00176	-0.00237
30 SEC	-0.00031	-0.00062	-0.00126	-0.00330	-0.00514	-0.00711
60 SEC	-0.00054	-0.00110	-0.00226	-0.00614	-0.00990	-0.01421
2 MIN	-0.00085	-0.00174	-0.00365	-0.01068	-0.01840	-0.02838
5 MIN	-0.00117	-0.00244	-0.00536	-0.01831	-0.03729	-0.07064
10 MIN	-0.00123	-0.00259	-0.00580	-0.02222	-0.05450	-0.14023
30 MIN	-0.00119	-0.00251	-0.00565	-0.02260	-0.06714	-0.40830
60 MIN	-0.00113	-0.00238	-0.00536	-0.02146	-0.06446	-0.78082
2 HR	-0.00102	-0.00215	-0.00483	-0.01934	-0.05810	-1.42786
4 HR	-0.00083	-0.00174	-0.00392	-0.01570	-0.04718	-2.38781
8 HR	-0.00054	-0.00115	-0.00259	-0.01035	-0.03111	-3.34116
12 HR	-0.00036	-0.00076	-0.00170	-0.00682	-0.02049	-3.50948
24 HR	-0.00010	-0.00021	-0.00048	-0.00193	-0.00579	-2.42116
36 HR	-0.00003	-0.00006	-0.00013	-0.00052	-0.00156	-1.25783
48 HR	-0.00001	-0.00001	-0.00003	-0.00011	-0.00034	-0.57865
60 HR	0.00000	0.00000	0.00000	0.00000	0.00001	-0.24369
72 HR	0.00000	0.00000	0.00001	0.00004	0.00011	-0.09079
84 HR	0.00000	0.00001	0.00001	0.00005	0.00014	-0.02391
96 HR	0.00000	0.00001	0.00001	0.00005	0.00015	0.00461
108 HR	0.00000	0.00001	0.00001	0.00005	0.00015	0.00980
120 HR	0.00000	0.00001	0.00001	0.00005	0.00016	0.02153
132 HR	0.00000	0.00001	0.00001	0.00005	0.00016	0.02357
SAT I	7.83743	7.42493	6.59994	4.12496	2.06248	0.
SAT X	0.02499	0.02498	0.02498	0.02494	0.02483	0.

SAT IODINE BEFORE POWER CHANGE 8.24993
 SAT XENON BEFORE POWER CHANGE 0.02499

INITIAL MW/KG 180.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00007	-0.00015	-0.00030	-0.00075	-0.00113	-0.00152
10 SEC	-0.00014	-0.00029	-0.00058	-0.00148	-0.00225	-0.00305
30 SEC	-0.00038	-0.00077	-0.00157	-0.00416	-0.00654	-0.00915
60 SEC	-0.00065	-0.00132	-0.00273	-0.00759	-0.01247	-0.01828
2 MIN	-0.00096	-0.00198	-0.00420	-0.01273	-0.02273	-0.03651
5 MIN	-0.00121	-0.00254	-0.00563	-0.02015	-0.04376	-0.09087
10 MIN	-0.00123	-0.00260	-0.00584	-0.02290	-0.05999	-0.18038
30 MIN	-0.00119	-0.00251	-0.00565	-0.02260	-0.06768	-0.52522
60 MIN	-0.00113	-0.00238	-0.00536	-0.02146	-0.06446	-1.00443
2 HR	-0.00102	-0.00215	-0.00483	-0.01934	-0.05809	-1.83682
4 HR	-0.00083	-0.00174	-0.00393	-0.01571	-0.04719	-3.07189
8 HR	-0.00054	-0.00115	-0.00259	-0.01036	-0.03112	-4.29901
12 HR	-0.00036	-0.00076	-0.00171	-0.00683	-0.02051	-4.51643
24 HR	-0.00010	-0.00022	-0.00048	-0.00194	-0.00582	-3.11888
36 HR	-0.00003	-0.00006	-0.00013	-0.00053	-0.00159	-1.62386
48 HR	-0.00001	-0.00001	-0.00003	-0.00012	-0.00037	-0.75091
60 HR	-0.00000	-0.00000	-0.00000	-0.00001	-0.00002	-0.32037
72 HR	0.00000	0.00000	0.00001	0.00003	0.00008	-0.12383
84 HR	0.00000	0.00000	0.00001	0.00004	0.00011	-0.03785
96 HR	0.00000	0.00000	0.00001	0.00004	0.00012	-0.00120
108 HR	0.00000	0.00000	0.00001	0.00004	0.00012	0.00547
120 HR	0.00000	0.00000	0.00001	0.00004	0.00012	0.02056
132 HR	0.00000	0.00000	0.00001	0.00004	0.00012	0.02318
SAT I	10.07670	9.54634	8.48564	5.30352	2.65176	0.
SAT X	0.02500	0.02500	0.02499	0.02496	0.02488	0.

SAT IODINE BEFORE POWER CHANGE 10.60705
 SAT XENON BEFORE POWER CHANGE 0.02500

INITIAL MW/KG 160.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00007	-0.00013	-0.00026	-0.00067	-0.00101	-0.00136
10 SEC	-0.00013	-0.00026	-0.00052	-0.00132	-0.00200	-0.00271
30 SEC	-0.00035	-0.00070	-0.00142	-0.00374	-0.00584	-0.00813
60 SEC	-0.00060	-0.00121	-0.00250	-0.00688	-0.01120	-0.01625
2 MIN	-0.00091	-0.00187	-0.00394	-0.01175	-0.02061	-0.03245
5 MIN	-0.00119	-0.00250	-0.00552	-0.01933	-0.04070	-0.08075
10 MIN	-0.00123	-0.00259	-0.00582	-0.02263	-0.05753	-0.16031
30 MIN	-0.00119	-0.00251	-0.00565	-0.02260	-0.06750	-0.46676
60 MIN	-0.00113	-0.00238	-0.00536	-0.02146	-0.06446	-0.89263
2 HR	-0.00102	-0.00215	-0.00483	-0.01934	-0.05810	-1.63234
4 HR	-0.00083	-0.00174	-0.00392	-0.01571	-0.04718	-2.72985
8 HR	-0.00054	-0.00115	-0.00259	-0.01036	-0.03111	-3.82008
12 HR	-0.00036	-0.00076	-0.00170	-0.00682	-0.02050	-4.01295
24 HR	-0.00010	-0.00021	-0.00048	-0.00193	-0.00581	-2.77002
36 HR	-0.00003	-0.00006	-0.00013	-0.00052	-0.00157	-1.44084
48 HR	-0.00001	-0.00001	-0.00003	-0.00012	-0.00036	-0.66478
60 HR	-0.00000	-0.00000	-0.00000	-0.00000	-0.00001	-0.28203
72 HR	0.00000	0.00000	0.00001	0.00003	0.00010	-0.10731
84 HR	0.00000	0.00000	0.00001	0.00004	0.00012	-0.03088
96 HR	0.00000	0.00000	0.00001	0.00004	0.00013	0.00171
108 HR	0.00000	0.00000	0.00001	0.00004	0.00013	0.00764
120 HR	0.00000	0.00001	0.00001	0.00005	0.00014	0.02104
132 HR	0.00000	0.00001	0.00001	0.00005	0.00014	0.02338
SAT I	8.95706	8.48564	7.54279	4.71424	2.35712	0.
SAT X	0.02499	0.02499	0.02498	0.02495	0.02486	0.

SAT IODINE BEFORE POWER CHANGE 9.42849
 SAT XENON BEFORE POWER CHANGE 0.02499

INITIAL MW/KG 200.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00008	-0.00016	-0.00033	-0.00083	-0.00126	-0.00169
10 SEC	-0.00016	-0.00032	-0.00064	-0.00164	-0.00250	-0.00339
30 SEC	-0.00042	-0.00084	-0.00172	-0.00458	-0.00723	-0.01017
60 SEC	-0.00070	-0.00142	-0.00294	-0.00827	-0.01372	-0.02032
2 MIN	-0.00100	-0.00207	-0.00442	-0.01363	-0.02476	-0.04057
5 MIN	-0.00122	-0.00257	-0.00571	-0.02082	-0.04650	-0.10098
10 MIN	-0.00123	-0.00260	-0.00584	-0.02308	-0.06197	-0.20046
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06778	-0.58368
60 MIN	-0.00113	-0.00238	-0.00536	-0.02146	-0.06445	-1.11624
2 HR	-0.00102	-0.00215	-0.00483	-0.01934	-0.05809	-2.04129
4 HR	-0.00083	-0.00174	-0.00393	-0.01571	-0.04719	-3.41393
8 HR	-0.00055	-0.00115	-0.00259	-0.01036	-0.03112	-4.77793
12 HR	-0.00036	-0.00076	-0.00171	-0.00683	-0.02051	-5.01990
24 HR	-0.00010	-0.00022	-0.00048	-0.00194	-0.00583	-3.46774
36 HR	-0.00003	-0.00006	-0.00013	-0.00053	-0.00160	-1.80688
48 HR	-0.00001	-0.00001	-0.00003	-0.00013	-0.00038	-0.83704
60 HR	-0.00000	-0.00000	-0.00000	-0.00001	-0.00003	-0.35871
72 HR	0.00000	0.00000	0.00001	0.00002	0.00007	-0.14035
84 HR	0.00000	0.00000	0.00001	0.00003	0.00010	-0.04483
96 HR	0.00000	0.00000	0.00001	0.00004	0.00011	-0.00410
108 HR	0.00000	0.00000	0.00001	0.00004	0.00011	0.00331
120 HR	0.00000	0.00000	0.00001	0.00004	0.00011	0.02007
132 HR	0.00000	0.00000	0.00001	0.00004	0.00011	0.02298
SAT I	11.19633	10.60705	9.42849	5.89280	2.94640	0.
SAT X	0.02500	0.02500	0.02499	0.02497	0.02489	0.

SAT IODINE BEFORE POWER CHANGE 11.78561
 SAT XENON BEFORE POWER CHANGE 0.02500

INITIAL MW/KG 220.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00009	-0.00018	-0.00036	-0.00091	-0.00138	-0.00186
10 SEC	-0.00017	-0.00035	-0.00070	-0.00179	-0.00274	-0.00373
30 SEC	-0.00045	-0.00091	-0.00186	-0.00498	-0.00791	-0.01118
60 SEC	-0.00074	-0.00151	-0.00314	-0.00891	-0.01494	-0.02235
2 MIN	-0.00104	-0.00215	-0.00461	-0.01446	-0.02670	-0.04464
5 MIN	-0.00123	-0.00258	-0.00576	-0.02136	-0.04898	-0.11109
10 MIN	-0.00123	-0.00260	-0.00585	-0.02319	-0.06356	-0.22054
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06783	-0.64214
60 MIN	-0.00113	-0.00238	-0.00536	-0.02146	-0.06445	-1.22804
2 HR	-0.00102	-0.00215	-0.00483	-0.01934	-0.05809	-2.24577
4 HR	-0.00083	-0.00175	-0.00393	-0.01571	-0.04719	-3.75598
8 HR	-0.00055	-0.00115	-0.00259	-0.01036	-0.03113	-5.25685
12 HR	-0.00036	-0.00076	-0.00171	-0.00683	-0.02052	-5.52338
24 HR	-0.00010	-0.00022	-0.00049	-0.00194	-0.00584	-3.81660
36 HR	-0.00003	-0.00006	-0.00013	-0.00054	-0.00161	-1.98990
48 HR	-0.00001	-0.00001	-0.00003	-0.00013	-0.00039	-0.92318
60 HR	-0.00000	-0.00000	-0.00000	-0.00001	-0.00004	-0.39705
72 HR	0.00000	0.00000	0.00000	0.00002	0.00006	-0.15687
84 HR	0.00000	0.00000	0.00001	0.00003	0.00009	-0.05180
96 HR	0.00000	0.00000	0.00001	0.00003	0.00010	-0.00701
108 HR	0.00000	0.00000	0.00001	0.00003	0.00010	0.00114
120 HR	0.00000	0.00000	0.00001	0.00003	0.00010	0.01958
132 HR	0.00000	0.00000	0.00001	0.00003	0.00010	0.02279
SAT I	12.31596	11.66775	10.37134	6.48208	3.24104	0.
SAT X	0.02501	0.02500	0.02500	0.02497	0.02491	0.

SAT IODINE BEFORE POWER CHANGE 12.96417
 SAT XENON BEFORE POWER CHANGE 0.02501

INITIAL MW/KG 260.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00011	-0.00021	-0.00042	-0.00108	-0.00163	-0.00220
10 SEC	-0.00020	-0.00041	-0.00082	-0.00211	-0.00323	-0.00441
30 SEC	-0.00051	-0.00104	-0.00213	-0.00577	-0.00926	-0.01322
60 SEC	-0.00082	-0.00167	-0.00350	-0.01013	-0.01730	-0.02642
2 MIN	-0.00110	-0.00228	-0.00493	-0.01592	-0.03035	-0.05276
5 MIN	-0.00124	-0.00260	-0.00583	-0.02214	-0.05319	-0.13132
10 MIN	-0.00123	-0.00260	-0.00585	-0.02331	-0.06590	-0.26069
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06787	-0.75906
60 MIN	-0.00113	-0.00238	-0.00536	-0.02146	-0.06445	-1.45165
2 HR	-0.00102	-0.00215	-0.00483	-0.01935	-0.05809	-2.65473
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-4.44006
8 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03113	-6.21470
12 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02053	-6.53033
24 HR	-0.00010	-0.00022	-0.00049	-0.00195	-0.00585	-4.51433
36 HR	-0.00003	-0.00006	-0.00014	-0.00054	-0.00162	-2.35594
48 HR	-0.00001	-0.00002	-0.00003	-0.00014	-0.00041	-1.09545
60 HR	-0.00000	-0.00000	-0.00000	-0.00002	-0.00006	-0.47373
72 HR	0.00000	0.00000	0.00000	0.00001	0.00004	-0.18992
84 HR	0.00000	0.00000	0.00001	0.00002	0.00007	-0.06576
96 HR	0.00000	0.00000	0.00001	0.00003	0.00008	-0.01282
108 HR	0.00000	0.00000	0.00001	0.00003	0.00008	-0.00319
120 HR	0.00000	0.00000	0.00001	0.00003	0.00008	0.01859
132 HR	0.00000	0.00000	0.00001	0.00003	0.00008	0.02239
SAT I	14.55523	13.78916	12.25703	7.66065	3.83032	0.
SAT X	0.02501	0.02501	0.02501	0.02498	0.02493	0.

SAT IODINE BEFORE POWER CHANGE 15.32129
 SAT XENON BEFORE POWER CHANGE 0.02501

INITIAL MW/KG 240.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00010	-0.00020	-0.00039	-0.00100	-0.00151	-0.00203
10 SEC	-0.00019	-0.00038	-0.00076	-0.00195	-0.00299	-0.00407
30 SEC	-0.00048	-0.00098	-0.00200	-0.00538	-0.00859	-0.01220
60 SEC	-0.00078	-0.00159	-0.00333	-0.00954	-0.01613	-0.02439
2 MIN	-0.00107	-0.00222	-0.00478	-0.01522	-0.02857	-0.04870
5 MIN	-0.00123	-0.00260	-0.00580	-0.02179	-0.05120	-0.12121
10 MIN	-0.00123	-0.00260	-0.00585	-0.02327	-0.06485	-0.24061
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06785	-0.70060
60 MIN	-0.00113	-0.00238	-0.00536	-0.02146	-0.06445	-1.33985
2 HR	-0.00102	-0.00215	-0.00483	-0.01934	-0.05809	-2.45025
4 HR	-0.00083	-0.00175	-0.00393	-0.01571	-0.04719	-4.09802
8 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03113	-5.73578
12 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02052	-6.02685
24 HR	-0.00010	-0.00022	-0.00049	-0.00195	-0.00584	-4.16547
36 HR	-0.00003	-0.00006	-0.00013	-0.00054	-0.00162	-2.17292
48 HR	-0.00001	-0.00001	-0.00003	-0.00013	-0.00040	-1.00931
60 HR	-0.00000	-0.00000	-0.00000	-0.00002	-0.00005	-0.43539
72 HR	0.00000	0.00000	0.00000	0.00002	0.00005	-0.17339
84 HR	0.00000	0.00000	0.00001	0.00003	0.00008	-0.05878
96 HR	0.00000	0.00000	0.00001	0.00003	0.00009	-0.00991
108 HR	0.00000	0.00000	0.00001	0.00003	0.00009	-0.00102
120 HR	0.00000	0.00000	0.00001	0.00003	0.00009	0.01908
132 HR	0.00000	0.00000	0.00001	0.00003	0.00009	0.02259
SAT I	13.43559	12.72846	11.31418	7.07137	3.53568	0.
SAT X	0.02501	0.02501	0.02500	0.02498	0.02492	0.

SAT IODINE BEFORE POWER CHANGE 14.14273
 SAT XENON BEFORE POWER CHANGE 0.02501

INITIAL MW/KG 280.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00011	-0.00023	-0.00046	-0.00116	-0.00176	-0.00237
10 SEC	-0.00022	-0.00043	-0.00088	-0.00226	-0.00347	-0.00475
30 SEC	-0.00054	-0.00110	-0.00226	-0.00615	-0.00992	-0.01424
60 SEC	-0.00085	-0.00174	-0.00366	-0.01070	-0.01844	-0.02846
2 MIN	-0.00112	-0.00233	-0.00506	-0.01656	-0.03207	-0.05683
5 MIN	-0.00124	-0.00261	-0.00585	-0.02242	-0.05498	-0.14144
10 MIN	-0.00123	-0.00260	-0.00585	-0.02335	-0.06674	-0.28077
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06787	-0.81753
60 MIN	-0.00113	-0.00238	-0.00536	-0.02146	-0.06444	-1.56346
2 HR	-0.00102	-0.00215	-0.00484	-0.01935	-0.05809	-2.85921
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-4.78211
8 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03113	-6.69362
12 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02053	-7.03381
24 HR	-0.00010	-0.00022	-0.00049	-0.00195	-0.00586	-4.86319
36 HR	-0.00003	-0.00006	-0.00014	-0.00054	-0.00163	-2.53896
48 HR	-0.00001	-0.00002	-0.00003	-0.00014	-0.00041	-1.18158
60 HR	-0.00000	-0.00000	-0.00001	-0.00002	-0.00006	-0.51207
72 HR	0.00000	0.00000	0.00000	0.00001	0.00004	-0.20644
84 HR	0.00000	0.00000	0.00001	0.00002	0.00007	-0.07273
96 HR	0.00000	0.00000	0.00001	0.00003	0.00007	-0.01573
108 HR	0.00000	0.00000	0.00001	0.00003	0.00008	-0.00535
120 HR	0.00000	0.00000	0.00001	0.00003	0.00008	0.01810
132 HR	0.00000	0.00000	0.00001	0.00003	0.00008	0.02219
SAT I	15.67486	14.84987	13.19988	8.24993	4.12496	0.
SAT X	0.02501	0.02501	0.02501	0.02499	0.02494	0.

SAT IODINE BEFORE POWER CHANGE 16.49985
 SAT XENON BEFORE POWER CHANGE 0.02501

INITIAL MW/KG 300.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00012	-0.00024	-0.00049	-0.00124	-0.00188	-0.00254
10 SEC	-0.00023	-0.00046	-0.00094	-0.00241	-0.00372	-0.00509
30 SEC	-0.00057	-0.00113	-0.00239	-0.00653	-0.01057	-0.01526
60 SEC	-0.00088	-0.00181	-0.00381	-0.01125	-0.01956	-0.03049
2 MIN	-0.00114	-0.00237	-0.00517	-0.01715	-0.03370	-0.06089
5 MIN	-0.00124	-0.00261	-0.00587	-0.02265	-0.05659	-0.15155
10 MIN	-0.00123	-0.00260	-0.00585	-0.02337	-0.06741	-0.30085
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06787	-0.87599
60 MIN	-0.00113	-0.00238	-0.00536	-0.02147	-0.06444	-1.67526
2 HR	-0.00102	-0.00215	-0.00484	-0.01935	-0.05809	-3.06369
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-5.12415
8 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03113	-7.17255
12 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02053	-7.53728
24 HR	-0.00010	-0.00022	-0.00049	-0.00195	-0.00586	-5.21205
36 HR	-0.00003	-0.00006	-0.00014	-0.00054	-0.00164	-2.72198
48 HR	-0.00001	-0.00002	-0.00003	-0.00014	-0.00042	-1.26772
60 HR	-0.00000	-0.00000	-0.00001	-0.00002	-0.00007	-0.55041
72 HR	0.00000	0.00000	0.00000	0.00001	0.00003	-0.22296
84 HR	0.00000	0.00000	0.00001	0.00002	0.00006	-0.07971
96 HR	0.00000	0.00000	0.00001	0.00002	0.00007	-0.01863
108 HR	0.00000	0.00000	0.00001	0.00002	0.00007	-0.00752
120 HR	0.00000	0.00000	0.00001	0.00002	0.00007	0.01761
132 HR	0.00000	0.00000	0.00001	0.00002	0.00007	0.02199
SAT I	16.79449	15.91057	14.14273	8.83921	4.41960	0.
SAT X	0.02501	0.02501	0.02501	0.02499	0.02494	0.

SAT IODINE BEFORE POWER CHANGE 17.67841
 SAT XENON BEFORE POWER CHANGE 0.02502

INITIAL MW/KG 340.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00014	-0.00027	-0.00055	-0.00140	-0.00213	-0.00288
10 SEC	-0.00026	-0.00052	-0.00105	-0.00272	-0.00420	-0.00577
30 SEC	-0.00062	-0.00127	-0.00262	-0.00725	-0.01186	-0.01729
60 SEC	-0.00094	-0.00193	-0.00408	-0.01228	-0.02173	-0.03456
2 MIN	-0.00117	-0.00244	-0.00535	-0.01818	-0.03678	-0.06902
5 MIN	-0.00124	-0.00262	-0.00588	-0.02299	-0.05934	-0.17178
10 MIN	-0.00123	-0.00260	-0.00585	-0.02339	-0.06840	-0.34100
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06787	-0.99291
60 MIN	-0.00113	-0.00238	-0.00537	-0.02147	-0.06444	-1.89887
2 HR	-0.00102	-0.00215	-0.00484	-0.01935	-0.05808	-3.47265
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-5.80824
8 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03114	-8.13040
12 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02054	-8.54424
24 HR	-0.00010	-0.00022	-0.00049	-0.00195	-0.00587	-5.90978
36 HR	-0.00003	-0.00006	-0.00014	-0.00055	-0.00164	-3.08802
48 HR	-0.00001	-0.00002	-0.00004	-0.00014	-0.00043	-1.43999
60 HR	-0.00000	-0.00000	-0.00001	-0.00003	-0.00008	-0.62710
72 HR	0.00000	0.00000	0.00000	0.00001	0.00002	-0.25601
84 HR	0.00000	0.00000	0.00000	0.00002	0.00005	-0.09366
96 HR	0.00000	0.00000	0.00001	0.00002	0.00006	-0.02445
108 HR	0.00000	0.00000	0.00001	0.00002	0.00006	-0.01185
120 HR	0.00000	0.00000	0.00001	0.00002	0.00006	0.01663
132 HR	0.00000	0.00000	0.00001	0.00002	0.00006	0.02159
SAT I	19.03376	18.03198	16.02843	10.01777	5.00888	0.
SAT X	0.02502	0.02502	0.02501	0.02500	0.02495	0.

SAT IODINE BEFORE POWER CHANGE 20.03553
 SAT XENON BEFORE POWER CHANGE 0.02502

INITIAL MW/KG 320.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00013	-0.00026	-0.00052	-0.00132	-0.00201	-0.00271
10 SEC	-0.00024	-0.00049	-0.00097	-0.00257	-0.00396	-0.00543
30 SEC	-0.00060	-0.00122	-0.00251	-0.00689	-0.01122	-0.01627
60 SEC	-0.00091	-0.00187	-0.00395	-0.01178	-0.02066	-0.03253
2 MIN	-0.00116	-0.00241	-0.00527	-0.01769	-0.03528	-0.06496
5 MIN	-0.00124	-0.00262	-0.00588	-0.02284	-0.05804	-0.16166
10 MIN	-0.00123	-0.00260	-0.00585	-0.02338	-0.06796	-0.32092
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06787	-0.93445
60 MIN	-0.00113	-0.00238	-0.00536	-0.02147	-0.06444	-1.78707
2 HR	-0.00102	-0.00215	-0.00484	-0.01935	-0.05808	-3.26817
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-5.46619
8 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03114	-7.65147
12 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02054	-8.04076
24 HR	-0.00010	-0.00022	-0.00049	-0.00195	-0.00586	-5.56092
36 HR	-0.00003	-0.00006	-0.00014	-0.00055	-0.00164	-2.90500
48 HR	-0.00001	-0.00002	-0.00004	-0.00014	-0.00042	-1.35385
60 HR	-0.00000	-0.00000	-0.00001	-0.00002	-0.00007	-0.58875
72 HR	0.00000	0.00000	0.00000	0.00001	0.00003	-0.23948
84 HR	0.00000	0.00000	0.00000	0.00002	0.00006	-0.08669
96 HR	0.00000	0.00000	0.00001	0.00002	0.00007	-0.02154
108 HR	0.00000	0.00000	0.00001	0.00002	0.00007	-0.00969
120 HR	0.00000	0.00000	0.00001	0.00002	0.00007	0.01712
132 HR	0.00000	0.00000	0.00001	0.00002	0.00007	0.02179
SAT I	17.91412	16.97128	15.08558	9.42849	4.71424	0.
SAT X	0.02502	0.02502	0.02501	0.02499	0.02495	0.

SAT IODINE BEFORE POWER CHANGE 18.85697
 SAT XENON BEFORE POWER CHANGE 0.02502

INITIAL MW/KG 360.00

TIME	POWER REDUCTION, PERCENT					
	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00014	-0.00029	-0.00058	-0.00148	-0.00225	-0.00305
10 SEC	-0.00027	-0.00055	-0.00110	-0.00287	-0.00444	-0.00611
30 SEC	-0.00065	-0.00132	-0.00273	-0.00760	-0.01249	-0.01831
60 SEC	-0.00096	-0.00198	-0.00421	-0.01276	-0.02278	-0.03660
2 MIN	-0.00118	-0.00247	-0.00543	-0.01864	-0.03822	-0.07308
5 MIN	-0.00124	-0.00262	-0.00589	-0.02311	-0.06051	-0.18189
10 MIN	-0.00123	-0.00260	-0.00585	-0.02340	-0.06876	-0.36108
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06787	-1.05137
60 MIN	-0.00113	-0.00238	-0.00537	-0.02147	-0.06444	-2.01068
2 HR	-0.00102	-0.00215	-0.00484	-0.01935	-0.05808	-3.67713
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-6.15028
8 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03114	-8.60932
12 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02054	-9.04772
24 HR	-0.00010	-0.00022	-0.00049	-0.00196	-0.00587	-6.25865
36 HR	-0.00003	-0.00006	-0.00014	-0.00055	-0.00165	-3.27104
48 HR	-0.00001	-0.00002	-0.00004	-0.00014	-0.00043	-1.52613
60 HR	-0.00000	-0.00000	-0.00001	-0.00003	-0.00008	-0.66544
72 HR	0.00000	0.00000	0.00000	0.00001	0.00002	-0.27253
84 HR	0.00000	0.00000	0.00000	0.00002	0.00005	-0.10064
96 HR	0.00000	0.00000	0.00000	0.00002	0.00006	-0.02736
108 HR	0.00000	0.00000	0.00001	0.00002	0.00006	-0.01402
120 HR	0.00000	0.00000	0.00001	0.00002	0.00006	0.01613
132 HR	0.00000	0.00000	0.00001	0.00002	0.00006	0.02139
SAT I	20.15339	19.09269	16.97128	10.60705	5.30352	0.
SAT X	0.02502	0.02502	0.02502	0.02500	0.02496	0.

SAT IODINE BEFORE POWER CHANGE 21.21410
 SAT XENON BEFORE POWER CHANGE 0.02502

		INITIAL MW/KG		380.00			
		POWER REDUCTION, PERCENT					
TIME	5.	10.	20.	50.	75.	100.	
SEC	-0.00015	-0.00030	-0.00061	-0.00154	-0.00238	-0.00322	
5 SEC	-0.00028	-0.00057	-0.00114	-0.00230	-0.00448	-0.00645	
10 SEC	-0.00067	-0.00137	-0.00284	-0.00594	-0.01312	-0.01933	
30 SEC	-0.00098	-0.00203	-0.00452	-0.01322	-0.02381	-0.03715	
60 SEC	-0.00124	-0.00269	-0.00589	-0.01906	-0.03181	-0.04700	
2 MIN	-0.00119	-0.00250	-0.00585	-0.02340	-0.04156	-0.06120	
5 MIN	-0.00123	-0.00260	-0.00585	-0.02340	-0.04156	-0.06120	
10 MIN	-0.00119	-0.00251	-0.00585	-0.02261	-0.04085	-0.06115	
30 MIN	-0.00113	-0.00238	-0.00537	-0.02147	-0.04444	-0.06882	
60 MIN	-0.00102	-0.00215	-0.00484	-0.01935	-0.04808	-0.07248	
2 HR	-0.00103	-0.00215	-0.00484	-0.01935	-0.04808	-0.07248	
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-0.07232	
8 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03114	-0.05119	
12 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02054	-0.03446	
24 HR	-0.00010	-0.00022	-0.00049	-0.00196	-0.00165	-0.00165	
36 HR	-0.00003	-0.00006	-0.00014	-0.00014	-0.00043	-0.00043	
48 HR	-0.00001	-0.00002	-0.00004	-0.00003	-0.00008	-0.00008	
60 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.00005	
72 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.00005	
84 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
96 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
108 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
120 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
132 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	

SAT I 21.27302 20.15339 17.91412 11.19633 5.59816 0.02502 0.02502 0.02500 0.02496 0.02502 0.02502

SAT X 0.02502

SAT IODINE BEFORE POWER CHANGE 22.92866

SAT XENON BEFORE POWER CHANGE 0.02502

		INITIAL MW/KG		420.00			
		POWER REDUCTION, PERCENT					
TIME	5.	10.	20.	50.	75.	100.	
SEC	-0.00017	-0.00033	-0.00067	-0.00172	-0.00262	-0.00356	
5 SEC	-0.00031	-0.00062	-0.00127	-0.00331	-0.00515	-0.00713	
10 SEC	-0.00072	-0.00147	-0.00305	-0.00861	-0.01435	-0.02137	
30 SEC	-0.00102	-0.00212	-0.00453	-0.01409	-0.02580	-0.04270	
60 SEC	-0.00121	-0.00253	-0.00560	-0.02335	-0.04220	-0.06335	
2 MIN	-0.00124	-0.00262	-0.00585	-0.02340	-0.04220	-0.06335	
5 MIN	-0.00123	-0.00260	-0.00585	-0.02340	-0.04220	-0.06335	
10 MIN	-0.00119	-0.00251	-0.00585	-0.02261	-0.04156	-0.06115	
30 MIN	-0.00113	-0.00238	-0.00537	-0.02147	-0.04444	-0.06882	
60 MIN	-0.00102	-0.00215	-0.00484	-0.01935	-0.04808	-0.07248	
2 HR	-0.00103	-0.00215	-0.00484	-0.01935	-0.04808	-0.07248	
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-0.07232	
8 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03114	-0.05119	
12 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02054	-0.03446	
24 HR	-0.00010	-0.00022	-0.00049	-0.00196	-0.00165	-0.00165	
36 HR	-0.00003	-0.00006	-0.00014	-0.00014	-0.00043	-0.00043	
48 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.00005	
60 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.00005	
72 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
84 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
96 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
108 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
120 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
132 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	

SAT I 23.31229 22.27480 19.79982 12.37469 6.18744 0.02502 0.02502 0.02501 0.02497 0.02502 0.02502

SAT X 0.02502

SAT IODINE BEFORE POWER CHANGE 24.74978

SAT XENON BEFORE POWER CHANGE 0.02502

		INITIAL MW/KG		400.00			
		POWER REDUCTION, PERCENT					
TIME	5.	10.	20.	50.	75.	100.	
SEC	-0.00016	-0.00032	-0.00064	-0.00164	-0.00250	-0.00339	
5 SEC	-0.00030	-0.00060	-0.00121	-0.00316	-0.00491	-0.00699	
10 SEC	-0.00067	-0.00137	-0.00284	-0.00828	-0.01374	-0.02035	
30 SEC	-0.00100	-0.00207	-0.00443	-0.01366	-0.02481	-0.04067	
60 SEC	-0.00124	-0.00252	-0.00585	-0.01944	-0.04093	-0.06121	
2 MIN	-0.00123	-0.00250	-0.00585	-0.02340	-0.04156	-0.06115	
5 MIN	-0.00119	-0.00251	-0.00585	-0.02261	-0.04085	-0.06115	
10 MIN	-0.00113	-0.00238	-0.00537	-0.02147	-0.04444	-0.06882	
30 MIN	-0.00102	-0.00215	-0.00484	-0.01935	-0.04808	-0.07248	
60 MIN	-0.00103	-0.00215	-0.00484	-0.01935	-0.04808	-0.07248	
2 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-0.07232	
4 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03114	-0.05119	
8 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02054	-0.03446	
12 HR	-0.00010	-0.00022	-0.00049	-0.00196	-0.00165	-0.00165	
24 HR	-0.00003	-0.00006	-0.00014	-0.00014	-0.00043	-0.00043	
36 HR	-0.00001	-0.00002	-0.00004	-0.00003	-0.00008	-0.00008	
48 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.00005	
60 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.00005	
72 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
84 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
96 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
108 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
120 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
132 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	

SAT I 22.39266 21.21410 18.85697 11.78561 5.89280 0.02502 0.02502 0.02500 0.02497 0.02502 0.02502

SAT X 0.02502

SAT IODINE BEFORE POWER CHANGE 23.57122

SAT XENON BEFORE POWER CHANGE 0.02502

		INITIAL MW/KG		440.00			
		POWER REDUCTION, PERCENT					
TIME	5.	10.	20.	50.	75.	100.	
SEC	-0.00017	-0.00035	-0.00070	-0.00179	-0.00274	-0.00373	
5 SEC	-0.00032	-0.00065	-0.00132	-0.00345	-0.00539	-0.00744	
10 SEC	-0.00074	-0.00151	-0.00315	-0.00893	-0.01496	-0.02238	
30 SEC	-0.00104	-0.00216	-0.00462	-0.01449	-0.02676	-0.04414	
60 SEC	-0.00124	-0.00255	-0.00564	-0.02012	-0.04341	-0.06934	
2 MIN	-0.00123	-0.00252	-0.00590	-0.02340	-0.04411	-0.06934	
5 MIN	-0.00119	-0.00251	-0.00585	-0.02261	-0.04341	-0.06934	
10 MIN	-0.00113	-0.00238	-0.00537	-0.02147	-0.04644	-0.07419	
30 MIN	-0.00102	-0.00215	-0.00484	-0.01935	-0.05808	-0.08504	
60 MIN	-0.00103	-0.00215	-0.00484	-0.01935	-0.05808	-0.08504	
2 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-0.07419	
4 HR	-0.00055	-0.00115	-0.00259	-0.01037	-0.03114	-0.05119	
8 HR	-0.00036	-0.00076	-0.00171	-0.00684	-0.02054	-0.03446	
12 HR	-0.00010	-0.00022	-0.00049	-0.00196	-0.00165	-0.00165	
24 HR	-0.00003	-0.00006	-0.00014	-0.00014	-0.00043	-0.00043	
36 HR	-0.00001	-0.00002	-0.00004	-0.00003	-0.00008	-0.00008	
48 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.00005	
60 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.00005	
72 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
84 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
96 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
108 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
120 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	
132 HR	0.00000	0.00000	0.00000	0.00002	0.00006	0.00006	

SAT I 24.53192 23.33550 20.74267 12.96417 6.48208 0.02502 0.02502 0.02501 0.02497 0.02502 0.02502

SAT X 0.02502

SAT IODINE BEFORE POWER CHANGE 25.92834

SAT XENON BEFORE POWER CHANGE 0.02502

INITIAL MW/KG 460.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00018	-0.00036	-0.00073	-0.00187	-0.00287	-0.00390
10 SEC	-0.00034	-0.00068	-0.00137	-0.00360	-0.00562	-0.00780
30 SEC	-0.00076	-0.00155	-0.00324	-0.00924	-0.01556	-0.02340
60 SEC	-0.00106	-0.00219	-0.00471	-0.01488	-0.02771	-0.04677
2 MIN	-0.00122	-0.00256	-0.00568	-0.02041	-0.04458	-0.09340
5 MIN	-0.00124	-0.00262	-0.00590	-0.02344	-0.06480	-0.23246
10 MIN	-0.00123	-0.00260	-0.00585	-0.02341	-0.06974	-0.46146
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06787	-1.34367
60 MIN	-0.00113	-0.00238	-0.00537	-0.02147	-0.06444	-2.56970
2 HR	-0.00102	-0.00215	-0.00484	-0.01935	-0.05808	-4.69952
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-7.86050
8 HR	-0.00055	-0.00115	-0.00259	-0.01038	-0.03114	-11.00394
12 HR	-0.00036	-0.00076	-0.00171	-0.00685	-0.02055	-11.56510
24 HR	-0.00010	-0.00022	-0.00049	-0.00196	-0.00588	-8.00296
36 HR	-0.00003	-0.00006	-0.00014	-0.00055	-0.00166	-4.18615
48 HR	-0.00001	-0.00002	-0.00004	-0.00015	-0.00044	-1.95681
60 HR	-0.00000	-0.00000	-0.00001	-0.00003	-0.00009	-0.85715
72 HR	0.00000	0.00000	0.00000	0.00000	0.00001	-0.35515
84 HR	0.00000	0.00000	0.00000	0.00001	0.00004	-0.13553
96 HR	0.00000	0.00000	0.00000	0.00001	0.00004	-0.04190
108 HR	0.00000	0.00000	0.00000	0.00002	0.00005	-0.02486
120 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.01367
132 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.02038
SAT I	25.75155	24.39621	21.68552	13.55345	6.77672	0.
SAT X	0.02502	0.02502	0.02502	0.02501	0.02498	0.

SAT IODINE BEFORE POWER CHANGE 27.10690
 SAT XENON BEFORE POWER CHANGE 0.02502

INITIAL MW/KG 500.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00020	-0.00039	-0.00079	-0.00203	-0.00311	-0.00424
10 SEC	-0.00036	-0.00073	-0.00148	-0.00389	-0.00609	-0.00848
30 SEC	-0.00080	-0.00163	-0.00342	-0.00985	-0.01674	-0.02544
60 SEC	-0.00109	-0.00226	-0.00487	-0.01561	-0.02953	-0.05084
2 MIN	-0.00123	-0.00256	-0.00574	-0.02094	-0.04676	-0.10153
5 MIN	-0.00124	-0.00262	-0.00590	-0.02350	-0.06596	-0.25269
10 MIN	-0.00123	-0.00260	-0.00585	-0.02341	-0.06992	-0.50162
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06787	-1.46059
60 MIN	-0.00113	-0.00238	-0.00537	-0.02147	-0.06443	-2.79331
2 HR	-0.00102	-0.00215	-0.00484	-0.01935	-0.05808	-5.10848
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-8.54458
8 HR	-0.00055	-0.00115	-0.00259	-0.01038	-0.03115	-11.96179
12 HR	-0.00036	-0.00076	-0.00171	-0.00685	-0.02055	-12.57206
24 HR	-0.00010	-0.00022	-0.00049	-0.00196	-0.00589	-8.70069
36 HR	-0.00003	-0.00006	-0.00014	-0.00055	-0.00166	-4.55219
48 HR	-0.00001	-0.00002	-0.00004	-0.00015	-0.00045	-2.12908
60 HR	-0.00000	-0.00000	-0.00001	-0.00003	-0.00010	-0.93384
72 HR	0.00000	0.00000	0.00000	0.00000	0.00000	-0.38819
84 HR	0.00000	0.00000	0.00000	0.00001	0.00003	-0.14949
96 HR	0.00000	0.00000	0.00000	0.00001	0.00004	-0.04771
108 HR	0.00000	0.00000	0.00000	0.00001	0.00004	-0.02919
120 HR	0.00000	0.00000	0.00000	0.00001	0.00004	0.01269
132 HR	0.00000	0.00000	0.00000	0.00001	0.00004	0.01998
SAT I	27.99082	26.51762	23.57122	14.73201	7.36601	0.
SAT X	0.02503	0.02502	0.02502	0.02501	0.02498	0.

SAT IODINE BEFORE POWER CHANGE 29.46402
 SAT XENON BEFORE POWER CHANGE 0.02503

INITIAL MW/KG 480.00

POWER REDUCTION, PERCENT

TIME	5.	10.	20.	50.	75.	100.
0 SEC	-0.	-0.	-0.	-0.	-0.	-0.
5 SEC	-0.00019	-0.00038	-0.00076	-0.00195	-0.00299	-0.00407
10 SEC	-0.00035	-0.00070	-0.00143	-0.00374	-0.00585	-0.00814
30 SEC	-0.00078	-0.00159	-0.00333	-0.00955	-0.01615	-0.02442
60 SEC	-0.00107	-0.00222	-0.00479	-0.01525	-0.02863	-0.04881
2 MIN	-0.00122	-0.00257	-0.00571	-0.02069	-0.04569	-0.09746
5 MIN	-0.00124	-0.00262	-0.00590	-0.02347	-0.06541	-0.24257
10 MIN	-0.00123	-0.00260	-0.00585	-0.02341	-0.06984	-0.48154
30 MIN	-0.00119	-0.00251	-0.00565	-0.02261	-0.06787	-1.40213
60 MIN	-0.00113	-0.00238	-0.00537	-0.02147	-0.06443	-2.81511
2 HR	-0.00102	-0.00215	-0.00484	-0.01935	-0.05808	-4.90400
4 HR	-0.00083	-0.00175	-0.00393	-0.01572	-0.04719	-8.20254
8 HR	-0.00055	-0.00115	-0.00259	-0.01038	-0.03114	-11.48287
12 HR	-0.00036	-0.00076	-0.00171	-0.00685	-0.02055	-12.06858
24 HR	-0.00010	-0.00022	-0.00049	-0.00196	-0.00588	-8.35183
36 HR	-0.00003	-0.00006	-0.00014	-0.00055	-0.00166	-4.36917
48 HR	-0.00001	-0.00002	-0.00004	-0.00015	-0.00045	-2.04295
60 HR	-0.00000	-0.00000	-0.00001	-0.00003	-0.00010	-0.89550
72 HR	0.00000	0.00000	0.00000	0.00000	0.00001	-0.37167
84 HR	0.00000	0.00000	0.00000	0.00001	0.00003	-0.14251
96 HR	0.00000	0.00000	0.00000	0.00001	0.00004	-0.04480
108 HR	0.00000	0.00000	0.00000	0.00001	0.00004	-0.02702
120 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.01318
132 HR	0.00000	0.00000	0.00000	0.00002	0.00005	0.02018
SAT I	26.87119	25.45691	22.62837	14.14273	7.07137	0.
SAT X	0.02502	0.02502	0.02502	0.02501	0.02498	0.

SAT IODINE BEFORE POWER CHANGE 28.28546
 SAT XENON BEFORE POWER CHANGE 0.02503

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