

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Table of Contents

---

Part VI: Uncertainty Analysis

---

RESRAD Uncertainty Analysis Results

Probabilistic Input .....	2
Total Dose .....	3
Total Risk .....	4
Dose vs Pathway: Ground External .....	5
Dose vs Pathway: Inhalation (w/o Radon) .....	6
Dose vs Pathway: Radon (Water Ind.) .....	7
Dose vs Pathway: Plant (Water Ind.) .....	8
Dose vs Pathway: Meat (Water Ind.) .....	9
Dose vs Pathway: Milk (Water Ind.) .....	10
Dose vs Pathway: Soil Ingestion .....	11
Dose vs Pathway: Water Ingestion .....	12
Dose vs Pathway: Fish Ingestion .....	13
Dose vs Pathway: Radon (Water Dep.) .....	14
Dose vs Pathway: Plant (Water Dep.) .....	15
Dose vs Pathway: Meat (Water Dep.) .....	16
Dose vs Pathway: Milk (Water Dep.) .....	17
Cumulative Probability Summary.....	18
Summary of dose at graphical times, reptition 1.....	19
Summary of dose at graphical times, reptition 2.....	20
Summary of dose at graphical times, reptition 3.....	21
Peak of the mean dose at graphical times.....	22
Correlation and Regression coefficients (if any).....	23



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Total Dose Summary

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr								
			t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
Cm-243											
Min	0.00E+00	5.00E-03	4.50E-04	5.63E-04	7.82E-04	1.47E-03	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.58E+02	1.07E+03	1.07E+03	9.87E+02	8.35E+02	4.66E+02	1.15E+02	8.64E+00	3.14E-02	6.67E-03	
Avg	2.23E+00	9.45E+00	9.44E+00	9.06E+00	8.34E+00	6.34E+00	3.16E+00	4.23E-01	8.03E-03	4.46E-03	
Std	2.52E+01	5.64E+01	5.64E+01	5.27E+01	4.61E+01	2.97E+01	1.09E+01	1.09E+00	4.09E-03	1.37E-03	
ALL											
Min	0.00E+00	5.00E-03	4.50E-04	5.63E-04	7.82E-04	1.47E-03	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.58E+02	1.07E+03	1.07E+03	9.87E+02	8.35E+02	4.66E+02	1.15E+02	8.64E+00	3.14E-02	6.67E-03	
Avg	2.23E+00	9.45E+00	9.44E+00	9.06E+00	8.34E+00	6.34E+00	3.16E+00	4.23E-01	8.03E-03	4.46E-03	
Std	2.52E+01	5.64E+01	5.64E+01	5.27E+01	4.61E+01	2.97E+01	1.09E+01	1.09E+00	4.09E-03	1.37E-03	

ALL is total dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Risk Summary

Nuclide	RISK(j,t)							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----	-----	-----	-----	-----	-----	-----	-----	-----
CM-243								
Min	4.48E-10	5.80E-10	8.36E-10	1.64E-09	3.30E-09	0.00E+00	0.00E+00	0.00E+00
Max	1.31E-03	1.21E-03	1.02E-03	5.71E-04	1.36E-04	1.00E-05	3.95E-08	8.37E-09
Avg	1.13E-05	1.08E-05	9.95E-06	7.60E-06	3.84E-06	5.26E-07	1.06E-08	5.49E-09
Std	6.76E-05	6.32E-05	5.52E-05	3.55E-05	1.29E-05	1.29E-06	5.08E-09	1.65E-09
-----	-----	-----	-----	-----	-----	-----	-----	-----
CALL								
Min	4.48E-10	5.80E-10	8.36E-10	1.64E-09	3.30E-09	0.00E+00	0.00E+00	0.00E+00
Max	1.31E-03	1.21E-03	1.02E-03	5.71E-04	1.36E-04	1.00E-05	3.95E-08	8.37E-09
Avg	1.13E-05	1.08E-05	9.95E-06	7.60E-06	3.84E-06	5.26E-07	1.06E-08	5.49E-09
Std	6.76E-05	6.32E-05	5.52E-05	3.55E-05	1.29E-05	1.29E-06	5.08E-09	1.65E-09
-----	-----	-----	-----	-----	-----	-----	-----	-----

CALL is total risk summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Ground External

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Cm-243								
Min	2.05E-09	1.92E-09	1.67E-09	1.05E-09	2.73E-10	0.00E+00	0.00E+00	0.00E+00
Max	2.02E-08	7.08E-07	8.66E-04	2.09E-01	1.29E-01	2.35E-02	1.85E-04	3.55E-06
Avg	2.27E-09	5.47E-09	2.68E-06	2.58E-03	3.45E-03	9.46E-04	4.37E-05	2.28E-06
Std	1.23E-09	3.97E-08	4.22E-05	2.24E-02	2.05E-02	4.55E-03	7.46E-05	1.58E-06
<hr/>								
ALL								
Min	2.05E-09	1.92E-09	1.67E-09	1.05E-09	2.73E-10	0.00E+00	0.00E+00	0.00E+00
Max	2.02E-08	7.08E-07	8.66E-04	2.09E-01	1.29E-01	2.35E-02	1.85E-04	3.55E-06
Avg	2.27E-09	5.47E-09	2.68E-06	2.58E-03	3.45E-03	9.46E-04	4.37E-05	2.28E-06
Std	1.23E-09	3.97E-08	4.22E-05	2.24E-02	2.05E-02	4.55E-03	7.46E-05	1.58E-06
<hr/>								

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Inhalation (w/o Radon)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----	-----	-----	-----	-----	-----	-----	-----	-----
CM-243								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	3.33E-07	6.75E-03	4.15E-03	7.69E-04	2.42E-05	3.00E-05
Avg	0.00E+00	0.00E+00	3.70E-10	4.28E-05	5.33E-05	1.30E-05	2.20E-06	3.42E-06
Std	0.00E+00	0.00E+00	1.11E-08	4.12E-04	3.44E-04	6.85E-05	4.00E-06	3.27E-06
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	3.33E-07	6.75E-03	4.15E-03	7.69E-04	2.42E-05	3.00E-05
Avg	0.00E+00	0.00E+00	3.70E-10	4.28E-05	5.33E-05	1.30E-05	2.20E-06	3.42E-06
Std	0.00E+00	0.00E+00	1.11E-08	4.12E-04	3.44E-04	6.85E-05	4.00E-06	3.27E-06

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Radon (Water Ind.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----	-----	-----	-----	-----	-----	-----	-----	-----
CM-243								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
-----	-----	-----	-----	-----	-----	-----	-----	-----

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Plant (Water Ind.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Cm-243								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.68E-01	4.80E-01	5.12E-01	4.77E-01	2.94E-01	5.44E-02	1.41E-03	9.21E-04
Avg	2.83E-01	2.77E-01	2.66E-01	2.29E-01	1.46E-01	2.97E-02	9.77E-04	6.83E-04
Std	1.66E-01	1.62E-01	1.55E-01	1.32E-01	8.23E-02	1.52E-02	3.99E-04	2.60E-04
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.68E-01	4.80E-01	5.12E-01	4.77E-01	2.94E-01	5.44E-02	1.41E-03	9.21E-04
Avg	2.83E-01	2.77E-01	2.66E-01	2.29E-01	1.46E-01	2.97E-02	9.77E-04	6.83E-04
Std	1.66E-01	1.62E-01	1.55E-01	1.32E-01	8.23E-02	1.52E-02	3.99E-04	2.60E-04

ALL is total pathway dose summed for all nuclides.



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Meat (Water Ind.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Cm-243								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.10E-04	2.15E-04	2.29E-04	3.24E-03	2.00E-03	3.80E-04	2.17E-05	1.74E-05
Avg	1.28E-04	1.25E-04	1.20E-04	1.43E-04	1.19E-04	2.90E-05	6.63E-06	1.14E-05
Std	7.47E-05	7.30E-05	6.97E-05	3.54E-04	3.16E-04	7.23E-05	8.69E-06	6.96E-06
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.10E-04	2.15E-04	2.29E-04	3.24E-03	2.00E-03	3.80E-04	2.17E-05	1.74E-05
Avg	1.28E-04	1.25E-04	1.20E-04	1.43E-04	1.19E-04	2.90E-05	6.63E-06	1.14E-05
Std	7.47E-05	7.30E-05	6.97E-05	3.54E-04	3.16E-04	7.23E-05	8.69E-06	6.96E-06
<hr/>								

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Milk (Water Ind.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Cm-243								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.64E-04	1.67E-04	1.79E-04	1.17E-03	7.23E-04	1.32E-04	1.93E-06	8.39E-07
Avg	9.92E-05	9.71E-05	9.31E-05	9.35E-05	6.87E-05	1.51E-05	6.43E-07	5.55E-07
Std	5.81E-05	5.67E-05	5.42E-05	1.31E-04	1.13E-04	2.46E-05	7.33E-07	3.21E-07
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.64E-04	1.67E-04	1.79E-04	1.17E-03	7.23E-04	1.32E-04	1.93E-06	8.39E-07
Avg	9.92E-05	9.71E-05	9.31E-05	9.35E-05	6.87E-05	1.51E-05	6.43E-07	5.55E-07
Std	5.81E-05	5.67E-05	5.42E-05	1.31E-04	1.13E-04	2.46E-05	7.33E-07	3.21E-07
<hr/>								

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Cm-243								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	2.39E-06	2.78E-02	1.71E-02	3.16E-03	8.23E-05	5.37E-05
Avg	0.00E+00	0.00E+00	2.66E-09	3.71E-04	4.83E-04	1.35E-04	2.28E-05	3.48E-05
Std	0.00E+00	0.00E+00	7.97E-08	3.11E-03	2.78E-03	6.22E-04	3.42E-05	2.23E-05
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	2.39E-06	2.78E-02	1.71E-02	3.16E-03	8.23E-05	5.37E-05
Avg	0.00E+00	0.00E+00	2.66E-09	3.71E-04	4.83E-04	1.35E-04	2.28E-05	3.48E-05
Std	0.00E+00	0.00E+00	7.97E-08	3.11E-03	2.78E-03	6.22E-04	3.42E-05	2.23E-05
<hr/>								

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Cm-243								
Min	1.28E-04	2.46E-04	4.72E-04	1.18E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00
Max	9.35E+02	8.60E+02	7.27E+02	4.24E+02	1.07E+02	8.44E+00	2.90E-02	4.48E-03
Avg	8.43E+00	8.07E+00	7.43E+00	5.62E+00	2.77E+00	3.60E-01	6.39E-03	3.41E-03
Std	5.18E+01	4.84E+01	4.24E+01	2.75E+01	1.02E+01	1.01E+00	3.73E-03	1.12E-03
<hr/>								
ALL								
Min	1.28E-04	2.46E-04	4.72E-04	1.18E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00
Max	9.35E+02	8.60E+02	7.27E+02	4.24E+02	1.07E+02	8.44E+00	2.90E-02	4.48E-03
Avg	8.43E+00	8.07E+00	7.43E+00	5.62E+00	2.77E+00	3.60E-01	6.39E-03	3.41E-03
Std	5.18E+01	4.84E+01	4.24E+01	2.75E+01	1.02E+01	1.01E+00	3.73E-03	1.12E-03
<hr/>								

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Cm-243								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Radon (Water Dep.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
CM-243								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Plant (Water Dep.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Cm-243								
Min	1.01E-05	1.40E-05	2.15E-05	4.17E-05	8.21E-05	0.00E+00	0.00E+00	0.00E+00
Max	1.38E+02	1.27E+02	1.08E+02	5.99E+01	1.13E+01	1.24E+00	7.30E-03	1.66E-03
Avg	7.31E-01	7.00E-01	6.43E-01	4.86E-01	2.41E-01	3.26E-02	5.87E-04	3.11E-04
Std	5.23E+00	4.86E+00	4.20E+00	2.59E+00	9.05E-01	1.04E-01	5.62E-04	2.16E-04
<hr/>								
ALL								
Min	1.01E-05	1.40E-05	2.15E-05	4.17E-05	8.21E-05	0.00E+00	0.00E+00	0.00E+00
Max	1.38E+02	1.27E+02	1.08E+02	5.99E+01	1.13E+01	1.24E+00	7.30E-03	1.66E-03
Avg	7.31E-01	7.00E-01	6.43E-01	4.86E-01	2.41E-01	3.26E-02	5.87E-04	3.11E-04
Std	5.23E+00	4.86E+00	4.20E+00	2.59E+00	9.05E-01	1.04E-01	5.62E-04	2.16E-04
<hr/>								

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Meat (Water Dep.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----	-----	-----	-----	-----	-----	-----	-----	-----
CM-243								
Min	7.63E-08	1.97E-07	4.32E-07	1.01E-06	2.20E-06	0.00E+00	0.00E+00	0.00E+00
Max	4.19E-01	3.86E-01	3.27E-01	1.82E-01	3.73E-02	2.87E-03	1.50E-05	6.34E-06
Avg	3.08E-03	2.95E-03	2.71E-03	2.05E-03	1.01E-03	1.36E-04	5.42E-06	3.50E-06
Std	1.93E-02	1.80E-02	1.57E-02	1.00E-02	3.63E-03	3.68E-04	1.63E-06	1.27E-06
-----	-----	-----	-----	-----	-----	-----	-----	-----
ALL								
Min	7.63E-08	1.97E-07	4.32E-07	1.01E-06	2.20E-06	0.00E+00	0.00E+00	0.00E+00
Max	4.19E-01	3.86E-01	3.27E-01	1.82E-01	3.73E-02	2.87E-03	1.50E-05	6.34E-06
Avg	3.08E-03	2.95E-03	2.71E-03	2.05E-03	1.01E-03	1.36E-04	5.42E-06	3.50E-06
Std	1.93E-02	1.80E-02	1.57E-02	1.00E-02	3.63E-03	3.68E-04	1.63E-06	1.27E-06
-----	-----	-----	-----	-----	-----	-----	-----	-----

ALL is total pathway dose summed for all nuclides.



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Probabilistic Dose vs Pathway(i): Milk (Water Dep.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Cm-243								
Min	1.72E-08	2.54E-08	4.13E-08	9.15E-08	1.59E-07	0.00E+00	0.00E+00	0.00E+00
Max	2.41E-01	2.22E-01	1.88E-01	1.05E-01	1.97E-02	1.54E-03	5.79E-06	5.03E-07
Avg	1.64E-03	1.57E-03	1.44E-03	1.09E-03	5.37E-04	7.02E-05	6.84E-07	2.46E-07
Std	1.05E-02	9.75E-03	8.48E-03	5.36E-03	1.92E-03	1.97E-04	7.81E-07	9.72E-08
<hr/>								
ALL								
Min	1.72E-08	2.54E-08	4.13E-08	9.15E-08	1.59E-07	0.00E+00	0.00E+00	0.00E+00
Max	2.41E-01	2.22E-01	1.88E-01	1.05E-01	1.97E-02	1.54E-03	5.79E-06	5.03E-07
Avg	1.64E-03	1.57E-03	1.44E-03	1.09E-03	5.37E-04	7.02E-05	6.84E-07	2.46E-07
Std	1.05E-02	9.75E-03	8.48E-03	5.36E-03	1.92E-03	1.97E-04	7.81E-07	9.72E-08
<hr/>								

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	1.89E-02	1.86E-02	1.97E-02	1.93E-02	1.53E-02	9.05E-03	5.20E-03	0.00E+00
0.050	7.86E-02	7.68E-02	7.46E-02	6.55E-02	4.55E-02	1.77E-02	5.44E-03	1.21E-03
0.075	1.34E-01	1.32E-01	1.27E-01	1.17E-01	7.92E-02	2.44E-02	5.66E-03	1.85E-03
0.100	1.93E-01	1.89E-01	1.82E-01	1.61E-01	1.05E-01	3.01E-02	5.80E-03	2.49E-03
0.125	2.38E-01	2.33E-01	2.26E-01	2.03E-01	1.37E-01	3.50E-02	5.92E-03	2.93E-03
0.150	3.20E-01	3.14E-01	3.02E-01	2.58E-01	1.67E-01	3.78E-02	6.00E-03	3.24E-03
0.175	3.47E-01	3.40E-01	3.24E-01	2.78E-01	1.81E-01	4.10E-02	6.08E-03	3.52E-03
0.200	3.77E-01	3.68E-01	3.53E-01	3.01E-01	1.95E-01	4.26E-02	6.13E-03	3.77E-03
0.225	4.03E-01	3.95E-01	3.77E-01	3.23E-01	2.06E-01	4.50E-02	6.19E-03	3.98E-03
0.250	4.24E-01	4.15E-01	3.97E-01	3.39E-01	2.18E-01	4.65E-02	6.25E-03	4.17E-03
0.275	4.38E-01	4.29E-01	4.11E-01	3.53E-01	2.25E-01	4.78E-02	6.29E-03	4.27E-03
0.300	4.54E-01	4.45E-01	4.28E-01	3.65E-01	2.31E-01	4.96E-02	6.33E-03	4.36E-03
0.325	4.71E-01	4.61E-01	4.41E-01	3.77E-01	2.41E-01	5.15E-02	6.40E-03	4.44E-03
0.350	4.92E-01	4.81E-01	4.60E-01	3.93E-01	2.50E-01	5.38E-02	6.44E-03	4.54E-03
0.375	5.06E-01	4.94E-01	4.74E-01	4.09E-01	2.62E-01	5.57E-02	6.48E-03	4.60E-03
0.400	5.37E-01	5.24E-01	5.03E-01	4.32E-01	2.76E-01	5.87E-02	6.55E-03	4.67E-03
0.425	5.65E-01	5.52E-01	5.26E-01	4.57E-01	2.93E-01	6.18E-02	6.61E-03	4.73E-03
0.450	6.01E-01	5.87E-01	5.60E-01	4.80E-01	3.12E-01	6.45E-02	6.66E-03	4.80E-03
0.475	6.44E-01	6.29E-01	5.99E-01	5.15E-01	3.27E-01	6.86E-02	6.72E-03	4.84E-03
0.500	6.82E-01	6.66E-01	6.36E-01	5.47E-01	3.53E-01	7.25E-02	6.77E-03	4.89E-03
0.525	7.37E-01	7.20E-01	6.88E-01	5.93E-01	3.80E-01	8.06E-02	6.83E-03	4.94E-03
0.550	8.16E-01	7.97E-01	7.60E-01	6.71E-01	4.30E-01	8.70E-02	6.87E-03	4.99E-03
0.575	9.10E-01	8.88E-01	8.46E-01	7.32E-01	4.65E-01	9.41E-02	6.93E-03	5.02E-03
0.600	1.04E+00	1.02E+00	9.68E-01	8.19E-01	5.25E-01	1.06E-01	6.99E-03	5.07E-03
0.625	1.22E+00	1.19E+00	1.14E+00	9.75E-01	6.07E-01	1.19E-01	7.05E-03	5.12E-03
0.650	1.41E+00	1.37E+00	1.31E+00	1.11E+00	6.90E-01	1.32E-01	7.16E-03	5.16E-03
0.675	1.60E+00	1.56E+00	1.49E+00	1.27E+00	7.89E-01	1.52E-01	7.25E-03	5.20E-03
0.700	1.82E+00	1.77E+00	1.69E+00	1.44E+00	8.88E-01	1.67E-01	7.39E-03	5.25E-03
0.725	2.19E+00	2.14E+00	2.04E+00	1.73E+00	1.08E+00	2.01E-01	7.52E-03	5.29E-03
0.750	2.47E+00	2.41E+00	2.29E+00	1.94E+00	1.20E+00	2.28E-01	7.64E-03	5.33E-03
0.775	3.13E+00	3.05E+00	2.91E+00	2.45E+00	1.53E+00	2.77E-01	7.95E-03	5.40E-03
0.800	3.78E+00	3.69E+00	3.51E+00	2.96E+00	1.81E+00	3.31E-01	8.30E-03	5.42E-03
0.825	4.70E+00	4.59E+00	4.37E+00	3.69E+00	2.27E+00	4.13E-01	8.70E-03	5.47E-03
0.850	6.12E+00	5.97E+00	5.69E+00	4.79E+00	2.93E+00	5.07E-01	9.57E-03	5.51E-03
0.875	7.96E+00	7.77E+00	7.39E+00	6.22E+00	3.79E+00	6.72E-01	1.03E-02	5.56E-03
0.900	1.15E+01	1.13E+01	1.07E+01	9.01E+00	5.51E+00	9.58E-01	1.22E-02	5.62E-03
0.925	1.76E+01	1.71E+01	1.63E+01	1.37E+01	8.32E+00	1.40E+00	1.41E-02	5.69E-03
0.950	2.98E+01	2.91E+01	2.76E+01	2.31E+01	1.39E+01	2.16E+00	1.68E-02	5.79E-03
0.975	6.55E+01	6.38E+01	6.04E+01	5.00E+01	2.96E+01	4.32E+00	2.15E-02	5.88E-03
1.000	1.07E+02	9.87E+01	8.35E+01	4.66E+01	1.15E+01	8.64E+00	3.14E-02	6.67E-03

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

## Summary of dose at graphical times, reptition 1

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.50E-04	1.07E+03	1.04E+01	6.99E-01	1.19E+01	2.97E+01	7.16E+01	2.21E+02
1.00E+00	5.63E-04	9.87E+02	9.89E+00	6.83E-01	1.16E+01	2.90E+01	6.97E+01	2.14E+02
1.06E+00	5.70E-04	9.83E+02	9.86E+00	6.82E-01	1.16E+01	2.89E+01	6.96E+01	2.13E+02
1.12E+00	5.77E-04	9.78E+02	9.83E+00	6.81E-01	1.16E+01	2.89E+01	6.95E+01	2.13E+02
1.19E+00	5.84E-04	9.72E+02	9.80E+00	6.80E-01	1.16E+01	2.88E+01	6.94E+01	2.13E+02
1.25E+00	5.92E-04	9.67E+02	9.77E+00	6.78E-01	1.16E+01	2.88E+01	6.92E+01	2.12E+02
1.33E+00	6.00E-04	9.61E+02	9.74E+00	6.77E-01	1.15E+01	2.87E+01	6.91E+01	2.12E+02
1.40E+00	6.08E-04	9.55E+02	9.70E+00	6.76E-01	1.15E+01	2.87E+01	6.90E+01	2.11E+02
1.49E+00	6.17E-04	9.48E+02	9.66E+00	6.75E-01	1.15E+01	2.86E+01	6.88E+01	2.11E+02
1.57E+00	6.27E-04	9.41E+02	9.63E+00	6.73E-01	1.15E+01	2.86E+01	6.87E+01	2.10E+02
1.66E+00	6.37E-04	9.34E+02	9.58E+00	6.72E-01	1.14E+01	2.85E+01	6.85E+01	2.09E+02
1.76E+00	6.48E-04	9.27E+02	9.54E+00	6.70E-01	1.14E+01	2.84E+01	6.83E+01	2.09E+02
1.86E+00	6.59E-04	9.19E+02	9.49E+00	6.69E-01	1.14E+01	2.83E+01	6.81E+01	2.08E+02
1.97E+00	6.71E-04	9.10E+02	9.45E+00	6.67E-01	1.14E+01	2.83E+01	6.80E+01	2.07E+02
2.09E+00	6.84E-04	9.02E+02	9.40E+00	6.65E-01	1.13E+01	2.82E+01	6.78E+01	2.06E+02
2.21E+00	6.97E-04	8.93E+02	9.34E+00	6.63E-01	1.13E+01	2.81E+01	6.75E+01	2.06E+02
2.24E+00	7.11E-04	8.83E+02	9.29E+00	6.61E-01	1.13E+01	2.80E+01	6.73E+01	2.05E+02
2.27E+00	7.26E-04	8.73E+02	9.23E+00	6.59E-01	1.12E+01	2.79E+01	6.71E+01	2.04E+02
2.26E+00	7.41E-04	8.63E+02	9.17E+00	6.57E-01	1.12E+01	2.78E+01	6.68E+01	2.03E+02
2.27E+00	7.57E-04	8.52E+02	9.10E+00	6.55E-01	1.11E+01	2.77E+01	6.65E+01	2.02E+02
2.29E+00	7.75E-04	8.40E+02	9.04E+00	6.52E-01	1.11E+01	2.76E+01	6.63E+01	2.01E+02
3.00E+00	7.82E-04	8.35E+02	9.01E+00	6.51E-01	1.11E+01	2.75E+01	6.61E+01	2.00E+02
3.10E+00	7.93E-04	8.28E+02	8.96E+00	6.49E-01	1.10E+01	2.75E+01	6.60E+01	2.00E+02
3.28E+00	8.12E-04	8.16E+02	8.89E+00	6.47E-01	1.10E+01	2.73E+01	6.57E+01	1.99E+02
3.48E+00	8.32E-04	8.03E+02	8.81E+00	6.44E-01	1.09E+01	2.72E+01	6.53E+01	1.97E+02
3.68E+00	8.54E-04	7.89E+02	8.73E+00	6.41E-01	1.09E+01	2.71E+01	6.50E+01	1.96E+02
3.89E+00	8.76E-04	7.75E+02	8.65E+00	6.38E-01	1.08E+01	2.69E+01	6.46E+01	1.95E+02
4.12E+00	9.00E-04	7.61E+02	8.56E+00	6.34E-01	1.08E+01	2.68E+01	6.42E+01	1.93E+02
4.36E+00	9.25E-04	7.46E+02	8.47E+00	6.31E-01	1.07E+01	2.66E+01	6.38E+01	1.92E+02
4.61E+00	9.51E-04	7.30E+02	8.37E+00	6.34E-01	1.06E+01	2.64E+01	6.34E+01	1.90E+02
4.88E+00	9.78E-04	7.14E+02	8.27E+00	6.30E-01	1.06E+01	2.63E+01	6.30E+01	1.89E+02
5.17E+00	1.01E-03	6.97E+02	8.17E+00	6.26E-01	1.05E+01	2.61E+01	6.25E+01	1.87E+02
5.47E+00	1.04E-03	6.80E+02	8.06E+00	6.21E-01	1.04E+01	2.59E+01	6.20E+01	1.85E+02
5.78E+00	1.07E-03	6.62E+02	7.94E+00	6.17E-01	1.03E+01	2.57E+01	6.15E+01	1.83E+02
6.12E+00	1.10E-03	6.44E+02	7.83E+00	6.12E-01	1.03E+01	2.54E+01	6.10E+01	1.81E+02
6.48E+00	1.14E-03	6.25E+02	7.71E+00	6.06E-01	1.02E+01	2.52E+01	6.04E+01	1.79E+02
6.86E+00	1.17E-03	6.05E+02	7.58E+00	6.01E-01	1.01E+01	2.50E+01	5.98E+01	1.77E+02
7.26E+00	1.21E-03	5.86E+02	7.45E+00	5.95E-01	9.97E+00	2.47E+01	5.92E+01	1.75E+02
7.68E+00	1.25E-03	5.65E+02	7.31E+00	5.89E-01	9.87E+00	2.45E+01	5.85E+01	1.72E+02
8.13E+00	1.30E-03	5.45E+02	7.18E+00	5.89E-01	9.76E+00	2.42E+01	5.78E+01	1.70E+02
8.60E+00	1.34E-03	5.23E+02	7.03E+00	5.83E-01	9.65E+00	2.39E+01	5.71E+01	1.67E+02
9.10E+00	1.39E-03	5.02E+02	6.88E+00	5.76E-01	9.53E+00	2.36E+01	5.64E+01	1.64E+02
9.63E+00	1.44E-03	4.80E+02	6.73E+00	5.68E-01	9.41E+00	2.33E+01	5.57E+01	1.62E+02
1.00E+01	1.47E-03	4.66E+02	6.63E+00	5.63E-01	9.32E+00	2.31E+01	5.52E+01	1.60E+02
1.02E+01	1.49E-03	4.58E+02	6.58E+00	5.61E-01	9.28E+00	2.29E+01	5.49E+01	1.59E+02
1.08E+01	1.54E-03	4.36E+02	6.42E+00	5.53E-01	9.14E+00	2.26E+01	5.40E+01	1.56E+02
1.14E+01	1.59E-03	4.14E+02	6.25E+00	5.45E-01	9.00E+00	2.22E+01	5.31E+01	1.53E+02
1.21E+01	1.65E-03	3.91E+02	6.09E+00	5.36E-01	8.86E+00	2.19E+01	5.22E+01	1.49E+02
1.28E+01	1.71E-03	3.69E+02	5.91E+00	5.27E-01	8.71E+00	2.15E+01	5.12E+01	1.46E+02
1.35E+01	1.77E-03	3.47E+02	5.74E+00	5.18E-01	8.55E+00	2.11E+01	5.02E+01	1.42E+02
1.43E+01	1.84E-03	3.25E+02	5.56E+00	5.08E-01	8.39E+00	2.07E+01	4.92E+01	1.39E+02
1.51E+01	1.90E-03	3.03E+02	5.38E+00	4.98E-01	8.22E+00	2.02E+01	4.81E+01	1.35E+02
1.60E+01	1.97E-03	2.81E+02	5.20E+00	4.89E-01	8.04E+00	1.98E+01	4.70E+01	1.31E+02
1.70E+01	2.04E-03	2.60E+02	5.02E+00	4.78E-01	7.86E+00	1.93E+01	4.58E+01	1.27E+02
1.80E+01	2.12E-03	2.40E+02	4.83E+00	4.68E-01	7.67E+00	1.88E+01	4.46E+01	1.23E+02
1.90E+01	2.19E-03	2.20E+02	4.65E+00	4.57E-01	7.48E+00	1.84E+01	4.34E+01	1.19E+02

2.01E+01 2.27E-03 2.00E+02 4.46E+00 4.46E-01 7.29E+00 1.78E+01 4.21E+01 1.15E+02

2.13E+01 2.35E-03 1.82E+02 4.27E+00 4.34E-01 7.08E+00 1.73E+01 4.09E+01 1.11E+02

2.25E+01 2.44E-03 1.64E+02 4.09E+00 4.22E-01 6.87E+00 1.68E+01 3.95E+01 1.06E+02

2.38E+01 2.52E-03 1.47E+02 3.90E+00 4.09E-01 6.65E+00 1.62E+01 3.82E+01 1.02E+02

2.52E+01 2.61E-03 1.31E+02 3.71E+00 3.95E-01 6.43E+00 1.57E+01 3.68E+01 9.75E+01



2.67E+01 2.70E-03 1.16E+02 3.53E+00 3.82E-01 6.20E+00 1.51E+01 3.54E+01 9.30E+01

2.82E+01 2.79E-03 1.01E+02 3.34E+00 3.68E-01 5.96E+00 1.45E+01 3.39E+01 8.84E+01

2.99E+01 2.88E-03 9.13E+01 3.16E+00 3.54E-01 5.72E+00 1.39E+01 3.25E+01 8.38E+01

3.00E+01 2.89E-03 9.09E+01 3.15E+00 3.53E-01 5.71E+00 1.39E+01 3.24E+01 8.35E+01

3.16E+01 2.98E-03 8.48E+01 2.99E+00 3.39E-01 5.48E+00 1.33E+01 3.10E+01 7.63E+01

3.35E+01 3.07E-03 7.85E+01 2.81E+00 3.27E-01 5.24E+00 1.27E+01 2.95E+01 6.55E+01

3.54E+01 3.17E-03 7.23E+01 2.64E+00 3.14E-01 4.99E+00 1.21E+01 2.80E+01 5.57E+01

3.75E+01 3.26E-03 6.63E+01 2.47E+00 3.02E-01 4.74E+00 1.15E+01 2.65E+01 5.06E+01



3.97E+01 3.36E-03 6.12E+01 2.31E+00 2.87E-01 4.49E+00 1.09E+01 2.50E+01 4.74E+01

4.20E+01 3.46E-03 5.68E+01 2.15E+00 2.73E-01 4.24E+00 1.03E+01 2.35E+01 4.42E+01

4.44E+01 3.56E-03 5.24E+01 1.99E+00 2.58E-01 3.99E+00 9.63E+00 2.20E+01 4.12E+01

4.70E+01 3.65E-03 4.82E+01 1.84E+00 2.44E-01 3.74E+00 9.02E+00 2.00E+01 3.81E+01

4.97E+01 3.75E-03 4.41E+01 1.70E+00 2.28E-01 3.50E+00 8.42E+00 1.72E+01 3.52E+01

5.26E+01 3.84E-03 4.02E+01 1.56E+00 2.13E-01 3.25E+00 7.82E+00 1.60E+01 3.23E+01

5.57E+01 3.93E-03 3.64E+01 1.42E+00 1.98E-01 3.02E+00 7.24E+00 1.47E+01 2.95E+01

5.90E+01 4.02E-03 3.27E+01 1.30E+00 1.84E-01 2.78E+00 6.66E+00 1.35E+01 2.67E+01



6.24E+01 4.11E-03 2.93E+01 1.18E+00 1.70E-01 2.56E+00 5.84E+00 1.24E+01 2.31E+01

60E+01 4.20E-03 2.60E+01 1.06E+00 1.56E-01 2.34E+00 5.00E+00 1.12E+01 1.98E+01

99E+01 4.28E-03 2.30E+01 9.52E-01 1.43E-01 2.12E+00 4.53E+00 1.02E+01 1.69E+01

7.39E+01 4.36E-03 2.01E+01 8.50E-01 1.30E-01 1.92E+00 4.07E+00 9.13E+00 1.42E+01

7.82E+01 4.43E-03 1.75E+01 7.54E-01 1.17E-01 1.64E+00 3.64E+00 8.15E+00 1.19E+01

8.28E+01 4.50E-03 1.51E+01 6.66E-01 1.06E-01 1.45E+00 3.24E+00 7.23E+00 1.05E+01

8.76E+01 4.57E-03 1.29E+01 5.84E-01 9.53E-02 1.29E+00 2.86E+00 6.37E+00 9.10E+00

9.27E+01 4.63E-03 1.09E+01 5.08E-01 8.52E-02 1.14E+00 2.50E+00 5.57E+00 7.85E+00



9.81E+01 4.69E-03 9.18E+00 4.40E-01 7.62E-02 9.93E-01 2.17E+00 4.84E+00 6.72E+00

1.00E+02 4.71E-03 8.64E+00 4.18E-01 7.32E-02 9.48E-01 2.07E+00 4.60E+00 6.36E+00

1.04E+02 4.74E-03 7.63E+00 3.77E-01 6.75E-02 8.61E-01 1.88E+00 4.05E+00 5.70E+00

1.10E+02 4.79E-03 6.27E+00 3.21E-01 5.96E-02 7.41E-01 1.60E+00 3.29E+00 4.79E+00

1.16E+02 4.83E-03 5.09E+00 2.71E-01 5.25E-02 6.32E-01 1.36E+00 2.65E+00 3.98E+00

1.23E+02 4.87E-03 4.09E+00 2.27E-01 4.57E-02 5.34E-01 1.14E+00 2.18E+00 3.27E+00

1.30E+02 4.90E-03 3.27E+00 1.89E-01 3.96E-02 4.48E-01 9.48E-01 1.81E+00 2.66E+00

1.38E+02 4.93E-03 2.62E+00 1.55E-01 3.42E-02 3.71E-01 7.79E-01 1.48E+00 2.14E+00



1.46E+02 4.95E-03 2.06E+00 1.27E-01 2.94E-02 3.05E-01 6.34E-01 1.18E+00 1.70E+00

1.54E+02 4.33E-03 1.61E+00 1.03E-01 2.52E-02 2.47E-01 5.09E-01 9.24E-01 1.33E+00

1.63E+02 2.90E-03 1.23E+00 8.22E-02 2.16E-02 1.99E-01 4.04E-01 7.21E-01 1.03E+00

1.73E+02 2.20E-03 9.32E-01 6.54E-02 1.85E-02 1.58E-01 3.17E-01 5.55E-01 7.83E-01

1.83E+02 1.87E-03 6.93E-01 5.16E-02 1.61E-02 1.24E-01 2.45E-01 4.21E-01 5.87E-01

1.94E+02 1.72E-03 5.07E-01 4.06E-02 1.42E-02 9.38E-02 1.88E-01 3.15E-01 4.33E-01

2.05E+02 1.65E-03 3.65E-01 3.18E-02 1.24E-02 7.04E-02 1.42E-01 2.33E-01 3.14E-01

2.17E+02 1.62E-03 2.58E-01 2.49E-02 1.11E-02 5.41E-02 1.07E-01 1.69E-01 2.24E-01



2.29E+02 1.61E-03 1.79E-01 1.96E-02 9.85E-03 4.13E-02 7.89E-02 1.22E-01 1.61E-01

2.43E+02 1.60E-03 1.22E-01 1.56E-02 8.86E-03 3.14E-02 5.78E-02 8.61E-02 1.15E-01

2.57E+02 1.60E-03 8.26E-02 1.27E-02 8.05E-03 2.40E-02 4.22E-02 5.85E-02 8.12E-02

2.72E+02 1.59E-03 5.69E-02 1.05E-02 7.40E-03 1.85E-02 3.08E-02 4.12E-02 5.46E-02

2.88E+02 1.59E-03 3.95E-02 8.91E-03 6.98E-03 1.45E-02 2.25E-02 2.89E-02 3.73E-02

3.00E+02 1.58E-03 3.02E-02 8.07E-03 6.75E-03 1.23E-02 1.78E-02 2.25E-02 2.83E-02

3.05E+02 1.58E-03 2.75E-02 7.81E-03 6.69E-03 1.17E-02 1.65E-02 2.06E-02 2.57E-02

3.22E+02 0.00E+00 1.95E-02 7.06E-03 6.43E-03 9.69E-03 1.19E-02 1.49E-02 1.80E-02



3.41E+02 0.00E+00 1.42E-02 6.55E-03 6.23E-03 8.08E-03 9.37E-03 1.10E-02 1.32E-02

3.61E+02 0.00E+00 1.08E-02 6.21E-03 6.12E-03 7.20E-03 7.97E-03 8.84E-03 9.88E-03

3.82E+02 0.00E+00 8.74E-03 5.99E-03 6.01E-03 6.76E-03 7.06E-03 7.49E-03 7.84E-03

4.04E+02 0.00E+00 7.66E-03 5.82E-03 5.92E-03 6.46E-03 6.64E-03 6.77E-03 7.04E-03

4.28E+02 0.00E+00 7.01E-03 5.72E-03 5.84E-03 6.31E-03 6.46E-03 6.63E-03 6.83E-03

4.53E+02 0.00E+00 6.95E-03 5.64E-03 5.75E-03 6.23E-03 6.39E-03 6.58E-03 6.78E-03

4.79E+02 0.00E+00 6.92E-03 5.57E-03 5.68E-03 6.17E-03 6.37E-03 6.48E-03 6.75E-03

5.07E+02 0.00E+00 6.90E-03 5.51E-03 5.64E-03 6.13E-03 6.34E-03 6.43E-03 6.71E-03



5.36E+02 0.00E+00 6.89E-03 5.44E-03 5.59E-03 6.10E-03 6.31E-03 6.40E-03 6.68E-03

5.68E+02 0.00E+00 6.87E-03 5.37E-03 5.56E-03 6.07E-03 6.27E-03 6.36E-03 6.64E-03

0.01E+02 0.00E+00 6.85E-03 5.30E-03 5.51E-03 6.03E-03 6.24E-03 6.33E-03 6.61E-03

6.36E+02 0.00E+00 6.84E-03 5.24E-03 5.45E-03 5.98E-03 6.19E-03 6.28E-03 6.57E-03

6.73E+02 0.00E+00 6.82E-03 5.16E-03 5.40E-03 5.95E-03 6.17E-03 6.24E-03 6.53E-03

7.12E+02 0.00E+00 6.80E-03 5.06E-03 5.36E-03 5.92E-03 6.16E-03 6.24E-03 6.49E-03

7.53E+02 0.00E+00 6.78E-03 4.97E-03 5.30E-03 5.89E-03 6.09E-03 6.24E-03 6.44E-03

7.97E+02 0.00E+00 6.76E-03 4.88E-03 5.22E-03 5.84E-03 6.06E-03 6.21E-03 6.39E-03



8.44E+02 0.00E+00 6.74E-03 4.79E-03 5.16E-03 5.78E-03 6.01E-03 6.15E-03 6.34E-03

93E+02 0.00E+00 6.72E-03 4.68E-03 5.07E-03 5.72E-03 5.90E-03 6.06E-03 6.29E-03

9.45E+02 0.00E+00 6.70E-03 4.55E-03 4.98E-03 5.66E-03 5.83E-03 6.02E-03 6.24E-03

1.00E+03 0.00E+00 6.67E-03 4.43E-03 4.89E-03 5.58E-03 5.80E-03 5.97E-03 6.18E-03

-----



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Summary of dose at graphical times, reptition 2

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.81E-03	9.36E+02	9.60E+00	6.54E-01	1.15E+01	3.19E+01	7.49E+01	1.89E+02
1.00E+00	2.88E-03	8.68E+02	9.20E+00	6.39E-01	1.13E+01	3.11E+01	7.28E+01	1.83E+02
1.06E+00	2.88E-03	8.64E+02	9.17E+00	6.38E-01	1.12E+01	3.10E+01	7.27E+01	1.83E+02
1.12E+00	2.89E-03	8.60E+02	9.15E+00	6.37E-01	1.12E+01	3.10E+01	7.26E+01	1.82E+02
1.19E+00	2.89E-03	8.56E+02	9.12E+00	6.36E-01	1.12E+01	3.09E+01	7.24E+01	1.82E+02
1.25E+00	2.90E-03	8.51E+02	9.10E+00	6.35E-01	1.12E+01	3.09E+01	7.23E+01	1.82E+02
1.33E+00	2.90E-03	8.47E+02	9.07E+00	6.34E-01	1.12E+01	3.08E+01	7.21E+01	1.81E+02
1.40E+00	2.91E-03	8.42E+02	9.04E+00	6.33E-01	1.11E+01	3.08E+01	7.20E+01	1.81E+02
1.49E+00	2.91E-03	8.37E+02	9.01E+00	6.32E-01	1.11E+01	3.07E+01	7.18E+01	1.80E+02
1.57E+00	2.92E-03	8.31E+02	8.97E+00	6.30E-01	1.11E+01	3.06E+01	7.16E+01	1.80E+02
1.66E+00	2.93E-03	8.25E+02	8.94E+00	6.29E-01	1.11E+01	3.06E+01	7.15E+01	1.79E+02
1.76E+00	2.93E-03	8.19E+02	8.90E+00	6.28E-01	1.10E+01	3.05E+01	7.13E+01	1.79E+02
1.86E+00	2.94E-03	8.13E+02	8.86E+00	6.26E-01	1.10E+01	3.04E+01	7.10E+01	1.78E+02
1.97E+00	2.95E-03	8.06E+02	8.82E+00	6.24E-01	1.10E+01	3.03E+01	7.08E+01	1.78E+02
2.09E+00	2.95E-03	7.99E+02	8.78E+00	6.23E-01	1.10E+01	3.02E+01	7.06E+01	1.77E+02
2.21E+00	2.96E-03	7.92E+02	8.73E+00	6.21E-01	1.09E+01	3.01E+01	7.04E+01	1.76E+02
2.24E+00	2.97E-03	7.84E+02	8.69E+00	6.19E-01	1.09E+01	3.00E+01	7.01E+01	1.76E+02
2.27E+00	2.98E-03	7.76E+02	8.64E+00	6.17E-01	1.08E+01	2.99E+01	6.98E+01	1.75E+02
2.26E+00	2.99E-03	7.68E+02	8.59E+00	6.15E-01	1.08E+01	2.98E+01	6.95E+01	1.74E+02
2.27E+00	3.00E-03	7.59E+02	8.53E+00	6.13E-01	1.08E+01	2.97E+01	6.92E+01	1.73E+02
2.29E+00	3.01E-03	7.50E+02	8.47E+00	6.11E-01	1.07E+01	2.96E+01	6.89E+01	1.72E+02
3.00E+00	3.02E-03	7.46E+02	8.45E+00	6.10E-01	1.07E+01	2.95E+01	6.88E+01	1.72E+02
3.31E+00	3.02E-03	7.40E+02	8.41E+00	6.08E-01	1.07E+01	2.94E+01	6.86E+01	1.71E+02
3.32E+00	3.03E-03	7.30E+02	8.35E+00	6.06E-01	1.06E+01	2.93E+01	6.82E+01	1.70E+02
3.48E+00	3.05E-03	7.20E+02	8.28E+00	6.03E-01	1.06E+01	2.92E+01	6.79E+01	1.69E+02
3.68E+00	3.06E-03	7.09E+02	8.21E+00	6.00E-01	1.05E+01	2.90E+01	6.75E+01	1.68E+02
3.89E+00	3.07E-03	6.98E+02	8.14E+00	5.97E-01	1.05E+01	2.89E+01	6.71E+01	1.67E+02
4.12E+00	3.09E-03	6.86E+02	8.06E+00	5.94E-01	1.04E+01	2.87E+01	6.66E+01	1.66E+02
4.36E+00	3.10E-03	6.73E+02	7.98E+00	5.91E-01	1.04E+01	2.85E+01	6.62E+01	1.65E+02
4.61E+00	3.12E-03	6.61E+02	7.90E+00	5.87E-01	1.03E+01	2.83E+01	6.57E+01	1.63E+02
4.88E+00	3.14E-03	6.47E+02	7.81E+00	5.87E-01	1.02E+01	2.81E+01	6.52E+01	1.62E+02
5.17E+00	3.16E-03	6.34E+02	7.72E+00	5.83E-01	1.01E+01	2.79E+01	6.47E+01	1.60E+02
5.47E+00	3.18E-03	6.19E+02	7.63E+00	5.79E-01	1.01E+01	2.77E+01	6.41E+01	1.59E+02
5.78E+00	3.19E-03	6.05E+02	7.53E+00	5.75E-01	1.00E+01	2.75E+01	6.35E+01	1.57E+02
6.12E+00	3.22E-03	5.89E+02	7.43E+00	5.70E-01	9.91E+00	2.72E+01	6.29E+01	1.56E+02
6.48E+00	3.24E-03	5.74E+02	7.32E+00	5.65E-01	9.83E+00	2.70E+01	6.23E+01	1.54E+02
6.86E+00	3.26E-03	5.58E+02	7.21E+00	5.60E-01	9.73E+00	2.67E+01	6.16E+01	1.52E+02
7.26E+00	3.28E-03	5.41E+02	7.10E+00	5.55E-01	9.64E+00	2.65E+01	6.09E+01	1.50E+02
7.68E+00	3.31E-03	5.24E+02	6.98E+00	5.50E-01	9.54E+00	2.62E+01	6.02E+01	1.48E+02
8.13E+00	3.34E-03	5.07E+02	6.86E+00	5.44E-01	9.43E+00	2.59E+01	5.94E+01	1.46E+02
8.60E+00	3.36E-03	4.89E+02	6.73E+00	5.38E-01	9.32E+00	2.56E+01	5.86E+01	1.44E+02
9.10E+00	3.39E-03	4.71E+02	6.60E+00	5.36E-01	9.21E+00	2.52E+01	5.78E+01	1.42E+02
9.63E+00	3.42E-03	4.52E+02	6.46E+00	5.29E-01	9.09E+00	2.49E+01	5.69E+01	1.39E+02
1.00E+01	3.44E-03	4.40E+02	6.37E+00	5.25E-01	9.01E+00	2.47E+01	5.63E+01	1.38E+02
1.02E+01	3.45E-03	4.33E+02	6.32E+00	5.22E-01	8.96E+00	2.45E+01	5.60E+01	1.37E+02
1.08E+01	3.49E-03	4.14E+02	6.18E+00	5.15E-01	8.83E+00	2.42E+01	5.51E+01	1.34E+02
1.14E+01	3.52E-03	3.95E+02	6.03E+00	5.08E-01	8.70E+00	2.38E+01	5.41E+01	1.32E+02
1.21E+01	3.56E-03	3.76E+02	5.88E+00	5.00E-01	8.56E+00	2.34E+01	5.31E+01	1.29E+02
1.28E+01	3.59E-03	3.56E+02	5.73E+00	4.98E-01	8.41E+00	2.30E+01	5.20E+01	1.26E+02
1.35E+01	3.63E-03	3.37E+02	5.57E+00	4.89E-01	8.25E+00	2.25E+01	5.09E+01	1.23E+02
1.43E+01	3.67E-03	3.17E+02	5.41E+00	4.80E-01	8.09E+00	2.21E+01	4.98E+01	1.20E+02
1.51E+01	3.71E-03	2.98E+02	5.24E+00	4.71E-01	7.93E+00	2.16E+01	4.86E+01	1.17E+02
1.60E+01	3.76E-03	2.79E+02	5.08E+00	4.61E-01	7.76E+00	2.11E+01	4.74E+01	1.14E+02
1.70E+01	3.80E-03	2.60E+02	4.91E+00	4.51E-01	7.58E+00	2.06E+01	4.62E+01	1.10E+02
1.80E+01	3.85E-03	2.41E+02	4.73E+00	4.43E-01	7.40E+00	2.01E+01	4.49E+01	1.07E+02
1.90E+01	3.90E-03	2.23E+02	4.56E+00	4.32E-01	7.21E+00	1.96E+01	4.36E+01	1.03E+02

2.01E+01 3.95E-03 2.05E+02 4.39E+00 4.21E-01 7.02E+00 1.90E+01 4.22E+01 9.99E+01



2.13E+01 4.00E-03 1.88E+02 4.21E+00 4.09E-01 6.81E+00 1.85E+01 4.08E+01 9.63E+01

2.25E+01 4.05E-03 1.71E+02 4.03E+00 3.97E-01 6.61E+00 1.79E+01 3.94E+01 9.25E+01

2.38E+01 4.10E-03 1.55E+02 3.85E+00 3.85E-01 6.40E+00 1.73E+01 3.80E+01 8.88E+01

2.52E+01 4.15E-03 1.39E+02 3.68E+00 3.72E-01 6.18E+00 1.67E+01 3.65E+01 8.49E+01

2.67E+01 4.21E-03 1.25E+02 3.50E+00 3.62E-01 5.96E+00 1.61E+01 3.50E+01 8.11E+01

2.82E+01 4.27E-03 1.11E+02 3.32E+00 3.53E-01 5.74E+00 1.54E+01 3.35E+01 7.72E+01

2.99E+01 4.32E-03 9.79E+01 3.15E+00 3.46E-01 5.51E+00 1.48E+01 3.20E+01 7.33E+01

3.00E+01 4.33E-03 9.70E+01 3.14E+00 3.45E-01 5.49E+00 1.48E+01 3.18E+01 7.30E+01



3.16E+01 4.38E-03 8.58E+01 2.98E+00 3.32E-01 5.28E+00 1.42E+01 3.04E+01 6.93E+01

3.35E+01 4.44E-03 7.69E+01 2.81E+00 3.18E-01 5.04E+00 1.35E+01 2.89E+01 6.54E+01

3.54E+01 4.50E-03 7.17E+01 2.64E+00 3.04E-01 4.80E+00 1.28E+01 2.73E+01 6.15E+01

3.75E+01 4.56E-03 6.65E+01 2.47E+00 2.89E-01 4.57E+00 1.22E+01 2.57E+01 5.51E+01

3.97E+01 4.62E-03 6.14E+01 2.31E+00 2.75E-01 4.33E+00 1.15E+01 2.42E+01 4.67E+01

4.20E+01 4.68E-03 5.65E+01 2.15E+00 2.60E-01 4.09E+00 1.08E+01 2.26E+01 4.36E+01

4.44E+01 4.74E-03 5.17E+01 2.00E+00 2.46E-01 3.85E+00 1.02E+01 2.11E+01 4.06E+01

4.70E+01 4.80E-03 4.71E+01 1.85E+00 2.31E-01 3.61E+00 9.53E+00 1.96E+01 3.77E+01



4.97E+01 4.86E-03 4.26E+01 1.71E+00 2.17E-01 3.37E+00 8.89E+00 1.81E+01 3.48E+01

5.26E+01 4.92E-03 3.84E+01 1.57E+00 2.03E-01 3.14E+00 8.25E+00 1.66E+01 3.20E+01

5.57E+01 4.98E-03 3.43E+01 1.44E+00 1.89E-01 2.91E+00 7.62E+00 1.44E+01 2.93E+01

9.0E+01 5.03E-03 3.05E+01 1.31E+00 1.75E-01 2.69E+00 7.01E+00 1.32E+01 2.67E+01

6.24E+01 5.09E-03 2.69E+01 1.19E+00 1.62E-01 2.47E+00 6.42E+00 1.20E+01 2.42E+01

6.0E+01 5.14E-03 2.36E+01 1.07E+00 1.49E-01 2.26E+00 5.85E+00 1.09E+01 2.18E+01

99E+01 5.19E-03 2.06E+01 9.62E-01 1.36E-01 2.05E+00 4.77E+00 9.87E+00 1.95E+01

7.39E+01 5.24E-03 1.81E+01 8.60E-01 1.24E-01 1.86E+00 4.29E+00 8.85E+00 1.73E+01



7.82E+01 5.29E-03 1.58E+01 7.64E-01 1.13E-01 1.67E+00 3.85E+00 7.89E+00 1.51E+01

8.28E+01 5.33E-03 1.37E+01 6.74E-01 1.02E-01 1.49E+00 3.43E+00 6.99E+00 1.28E+01

8.76E+01 5.37E-03 1.17E+01 5.91E-01 9.19E-02 1.30E+00 3.04E+00 6.15E+00 1.08E+01

9.27E+01 5.41E-03 1.01E+01 5.15E-01 8.22E-02 1.15E+00 2.67E+00 5.35E+00 8.95E+00

9.81E+01 5.44E-03 8.65E+00 4.46E-01 7.30E-02 1.00E+00 2.33E+00 4.59E+00 7.37E+00

1.00E+02 5.45E-03 8.19E+00 4.24E-01 7.02E-02 9.57E-01 2.23E+00 4.35E+00 6.88E+00

1.04E+02 5.47E-03 7.33E+00 3.83E-01 6.47E-02 8.70E-01 2.02E+00 3.90E+00 6.02E+00

1.10E+02 5.50E-03 6.16E+00 3.26E-01 5.70E-02 7.49E-01 1.74E+00 3.29E+00 5.09E+00



1.16E+02 5.53E-03 5.12E+00 2.75E-01 5.00E-02 6.40E-01 1.48E+00 2.74E+00 4.25E+00

1.23E+02 5.55E-03 4.22E+00 2.31E-01 4.34E-02 5.42E-01 1.25E+00 2.26E+00 3.52E+00

1.30E+02 5.56E-03 3.43E+00 1.92E-01 3.74E-02 4.54E-01 1.04E+00 1.84E+00 2.89E+00

1.38E+02 5.55E-03 2.76E+00 1.58E-01 3.22E-02 3.77E-01 8.62E-01 1.49E+00 2.34E+00

1.46E+02 5.48E-03 2.19E+00 1.29E-01 2.78E-02 3.11E-01 7.05E-01 1.20E+00 1.85E+00

1.54E+02 5.42E-03 1.71E+00 1.04E-01 2.41E-02 2.54E-01 5.71E-01 9.37E-01 1.41E+00

1.63E+02 5.37E-03 1.32E+00 8.32E-02 2.11E-02 2.05E-01 4.56E-01 7.05E-01 1.06E+00

1.73E+02 3.88E-03 1.01E+00 6.61E-02 1.84E-02 1.64E-01 3.60E-01 5.33E-01 7.87E-01



1.83E+02 2.82E-03 7.55E-01 5.22E-02 1.61E-02 1.29E-01 2.81E-01 4.10E-01 5.73E-01

1.94E+02 2.30E-03 5.57E-01 4.10E-02 1.42E-02 1.01E-01 2.16E-01 3.11E-01 4.16E-01

2.05E+02 2.06E-03 4.04E-01 3.21E-02 1.23E-02 7.81E-02 1.57E-01 2.32E-01 3.02E-01

2.17E+02 1.95E-03 2.88E-01 2.51E-02 1.09E-02 5.99E-02 1.11E-01 1.71E-01 2.23E-01

2.29E+02 1.90E-03 2.01E-01 1.97E-02 9.69E-03 4.53E-02 8.22E-02 1.24E-01 1.62E-01

2.43E+02 1.88E-03 1.38E-01 1.57E-02 8.79E-03 3.40E-02 6.02E-02 8.79E-02 1.17E-01

2.57E+02 1.87E-03 9.34E-02 1.27E-02 8.05E-03 2.56E-02 4.38E-02 5.95E-02 8.28E-02

2.72E+02 1.86E-03 6.23E-02 1.05E-02 7.41E-03 1.90E-02 3.13E-02 3.99E-02 5.83E-02



2.88E+02 0.00E+00 4.12E-02 8.89E-03 6.98E-03 1.47E-02 2.28E-02 2.77E-02 4.10E-02

3.00E+02 0.00E+00 3.07E-02 8.01E-03 6.78E-03 1.24E-02 1.81E-02 2.12E-02 2.57E-02

3.05E+02 0.00E+00 2.77E-02 7.75E-03 6.70E-03 1.17E-02 1.60E-02 1.89E-02 2.36E-02

3.22E+02 0.00E+00 1.89E-02 6.98E-03 6.45E-03 9.11E-03 1.20E-02 1.39E-02 1.72E-02

3.41E+02 0.00E+00 1.34E-02 6.49E-03 6.27E-03 7.80E-03 9.65E-03 1.06E-02 1.28E-02

3.61E+02 0.00E+00 1.00E-02 6.17E-03 6.12E-03 7.05E-03 8.08E-03 8.42E-03 9.38E-03

3.82E+02 0.00E+00 8.22E-03 5.95E-03 6.00E-03 6.67E-03 7.08E-03 7.38E-03 7.74E-03

4.04E+02 0.00E+00 7.21E-03 5.81E-03 5.91E-03 6.41E-03 6.66E-03 6.84E-03 6.96E-03



4.28E+02 0.00E+00 7.13E-03 5.71E-03 5.83E-03 6.31E-03 6.42E-03 6.61E-03 6.80E-03

4.53E+02 0.00E+00 7.06E-03 5.63E-03 5.76E-03 6.22E-03 6.35E-03 6.51E-03 6.74E-03

4.79E+02 0.00E+00 6.99E-03 5.57E-03 5.70E-03 6.19E-03 6.32E-03 6.46E-03 6.69E-03

5.07E+02 0.00E+00 6.91E-03 5.50E-03 5.64E-03 6.12E-03 6.27E-03 6.39E-03 6.63E-03

5.36E+02 0.00E+00 6.85E-03 5.43E-03 5.60E-03 6.09E-03 6.23E-03 6.36E-03 6.58E-03

5.68E+02 0.00E+00 6.81E-03 5.37E-03 5.55E-03 6.06E-03 6.20E-03 6.35E-03 6.55E-03

0.01E+02 0.00E+00 6.76E-03 5.31E-03 5.49E-03 6.02E-03 6.19E-03 6.34E-03 6.53E-03

6.36E+02 0.00E+00 6.72E-03 5.24E-03 5.44E-03 5.99E-03 6.14E-03 6.32E-03 6.52E-03



6.73E+02 0.00E+00 6.68E-03 5.17E-03 5.38E-03 5.93E-03 6.09E-03 6.28E-03 6.51E-03

7.12E+02 0.00E+00 6.63E-03 5.10E-03 5.33E-03 5.89E-03 6.04E-03 6.16E-03 6.43E-03

7.53E+02 0.00E+00 6.58E-03 5.01E-03 5.26E-03 5.84E-03 6.00E-03 6.11E-03 6.33E-03

7.97E+02 0.00E+00 6.52E-03 4.93E-03 5.17E-03 5.79E-03 5.97E-03 6.07E-03 6.25E-03

8.44E+02 0.00E+00 6.47E-03 4.83E-03 5.12E-03 5.75E-03 5.93E-03 6.02E-03 6.16E-03

93E+02 0.00E+00 6.41E-03 4.73E-03 5.03E-03 5.72E-03 5.89E-03 5.94E-03 6.03E-03

9.45E+02 0.00E+00 6.35E-03 4.61E-03 4.97E-03 5.66E-03 5.84E-03 5.89E-03 5.98E-03

1.00E+03 0.00E+00 6.29E-03 4.49E-03 4.86E-03 5.61E-03 5.79E-03 5.85E-03 5.91E-03



-----



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Summary of dose at graphical times, reptition 3

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.70E-03	5.44E+02	8.36E+00	6.88E-01	1.18E+01	3.25E+01	7.53E+01	1.82E+02
1.00E+00	1.79E-03	5.17E+02	8.08E+00	6.73E-01	1.15E+01	3.16E+01	7.33E+01	1.76E+02
1.06E+00	1.80E-03	5.15E+02	8.07E+00	6.72E-01	1.15E+01	3.16E+01	7.32E+01	1.75E+02
1.12E+00	1.80E-03	5.13E+02	8.05E+00	6.72E-01	1.15E+01	3.16E+01	7.31E+01	1.75E+02
1.19E+00	1.81E-03	5.12E+02	8.03E+00	6.71E-01	1.14E+01	3.15E+01	7.30E+01	1.74E+02
1.25E+00	1.81E-03	5.10E+02	8.01E+00	6.70E-01	1.14E+01	3.14E+01	7.28E+01	1.74E+02
1.33E+00	1.82E-03	5.08E+02	7.99E+00	6.68E-01	1.14E+01	3.14E+01	7.27E+01	1.74E+02
1.40E+00	1.83E-03	5.06E+02	7.97E+00	6.67E-01	1.14E+01	3.13E+01	7.25E+01	1.73E+02
1.49E+00	1.83E-03	5.04E+02	7.95E+00	6.66E-01	1.13E+01	3.13E+01	7.24E+01	1.73E+02
1.57E+00	1.84E-03	5.02E+02	7.93E+00	6.65E-01	1.13E+01	3.12E+01	7.22E+01	1.72E+02
1.66E+00	1.85E-03	4.99E+02	7.90E+00	6.63E-01	1.13E+01	3.11E+01	7.20E+01	1.72E+02
1.76E+00	1.86E-03	4.97E+02	7.88E+00	6.62E-01	1.13E+01	3.10E+01	7.19E+01	1.71E+02
1.86E+00	1.87E-03	4.94E+02	7.85E+00	6.60E-01	1.12E+01	3.09E+01	7.17E+01	1.71E+02
1.97E+00	1.88E-03	4.91E+02	7.82E+00	6.58E-01	1.12E+01	3.09E+01	7.14E+01	1.70E+02
2.09E+00	1.89E-03	4.88E+02	7.79E+00	6.56E-01	1.12E+01	3.08E+01	7.12E+01	1.69E+02
2.21E+00	1.90E-03	4.85E+02	7.76E+00	6.55E-01	1.11E+01	3.07E+01	7.10E+01	1.69E+02
2.24E+00	1.91E-03	4.82E+02	7.73E+00	6.53E-01	1.11E+01	3.06E+01	7.07E+01	1.68E+02
2.27E+00	1.92E-03	4.79E+02	7.69E+00	6.50E-01	1.11E+01	3.05E+01	7.05E+01	1.67E+02
2.26E+00	1.93E-03	4.75E+02	7.66E+00	6.48E-01	1.10E+01	3.03E+01	7.02E+01	1.66E+02
2.27E+00	1.95E-03	4.71E+02	7.62E+00	6.46E-01	1.10E+01	3.02E+01	6.99E+01	1.65E+02
2.29E+00	1.96E-03	4.67E+02	7.58E+00	6.43E-01	1.09E+01	3.01E+01	6.96E+01	1.64E+02
3.00E+00	1.96E-03	4.66E+02	7.56E+00	6.42E-01	1.09E+01	3.00E+01	6.95E+01	1.64E+02
3.31E+00	1.97E-03	4.63E+02	7.53E+00	6.41E-01	1.09E+01	3.00E+01	6.93E+01	1.64E+02
3.32E+00	1.99E-03	4.59E+02	7.49E+00	6.38E-01	1.08E+01	2.98E+01	6.90E+01	1.63E+02
3.48E+00	2.01E-03	4.55E+02	7.44E+00	6.35E-01	1.08E+01	2.97E+01	6.86E+01	1.61E+02
3.68E+00	2.02E-03	4.50E+02	7.39E+00	6.32E-01	1.07E+01	2.95E+01	6.82E+01	1.60E+02
3.89E+00	2.04E-03	4.45E+02	7.34E+00	6.29E-01	1.07E+01	2.94E+01	6.79E+01	1.59E+02
4.12E+00	2.06E-03	4.40E+02	7.28E+00	6.25E-01	1.06E+01	2.92E+01	6.74E+01	1.58E+02
4.36E+00	2.08E-03	4.34E+02	7.23E+00	6.22E-01	1.06E+01	2.90E+01	6.70E+01	1.57E+02
4.61E+00	2.10E-03	4.29E+02	7.17E+00	6.18E-01	1.05E+01	2.88E+01	6.66E+01	1.55E+02
4.88E+00	2.12E-03	4.23E+02	7.10E+00	6.14E-01	1.04E+01	2.86E+01	6.61E+01	1.54E+02
5.17E+00	2.14E-03	4.16E+02	7.04E+00	6.10E-01	1.04E+01	2.84E+01	6.56E+01	1.53E+02
5.47E+00	2.17E-03	4.10E+02	6.97E+00	6.06E-01	1.03E+01	2.82E+01	6.50E+01	1.51E+02
5.78E+00	2.19E-03	4.03E+02	6.90E+00	6.01E-01	1.02E+01	2.80E+01	6.45E+01	1.49E+02
6.12E+00	2.22E-03	3.96E+02	6.82E+00	5.96E-01	1.01E+01	2.77E+01	6.39E+01	1.48E+02
6.48E+00	2.25E-03	3.89E+02	6.74E+00	5.91E-01	1.00E+01	2.75E+01	6.33E+01	1.46E+02
6.86E+00	2.28E-03	3.82E+02	6.66E+00	5.86E-01	9.92E+00	2.72E+01	6.27E+01	1.44E+02
7.26E+00	2.31E-03	3.74E+02	6.57E+00	5.80E-01	9.82E+00	2.69E+01	6.20E+01	1.42E+02
7.68E+00	2.34E-03	3.66E+02	6.48E+00	5.74E-01	9.72E+00	2.66E+01	6.13E+01	1.40E+02
8.13E+00	2.38E-03	3.57E+02	6.39E+00	5.68E-01	9.61E+00	2.63E+01	6.06E+01	1.38E+02
8.60E+00	2.41E-03	3.49E+02	6.29E+00	5.62E-01	9.50E+00	2.60E+01	5.98E+01	1.36E+02
9.10E+00	2.45E-03	3.40E+02	6.19E+00	5.55E-01	9.38E+00	2.56E+01	5.90E+01	1.34E+02
9.63E+00	2.49E-03	3.30E+02	6.08E+00	5.48E-01	9.26E+00	2.53E+01	5.82E+01	1.31E+02
1.00E+01	2.51E-03	3.24E+02	6.01E+00	5.43E-01	9.17E+00	2.51E+01	5.76E+01	1.30E+02
1.02E+01	2.53E-03	3.21E+02	5.97E+00	5.41E-01	9.13E+00	2.49E+01	5.73E+01	1.29E+02
1.08E+01	2.57E-03	3.11E+02	5.86E+00	5.33E-01	8.99E+00	2.46E+01	5.64E+01	1.26E+02
1.14E+01	2.61E-03	3.01E+02	5.74E+00	5.25E-01	8.85E+00	2.42E+01	5.54E+01	1.24E+02
1.21E+01	2.66E-03	2.91E+02	5.62E+00	5.17E-01	8.71E+00	2.37E+01	5.45E+01	1.21E+02
1.28E+01	2.71E-03	2.81E+02	5.49E+00	5.13E-01	8.56E+00	2.33E+01	5.34E+01	1.18E+02
1.35E+01	2.76E-03	2.70E+02	5.36E+00	5.07E-01	8.40E+00	2.29E+01	5.24E+01	1.15E+02
1.43E+01	2.81E-03	2.59E+02	5.23E+00	4.98E-01	8.24E+00	2.24E+01	5.13E+01	1.12E+02
1.51E+01	2.86E-03	2.48E+02	5.09E+00	4.88E-01	8.07E+00	2.19E+01	5.01E+01	1.09E+02
1.60E+01	2.92E-03	2.37E+02	4.95E+00	4.78E-01	7.89E+00	2.14E+01	4.90E+01	1.06E+02
1.70E+01	2.97E-03	2.26E+02	4.80E+00	4.68E-01	7.71E+00	2.09E+01	4.78E+01	1.02E+02
1.80E+01	3.03E-03	2.15E+02	4.66E+00	4.57E-01	7.52E+00	2.04E+01	4.65E+01	9.91E+01
1.90E+01	3.09E-03	2.03E+02	4.50E+00	4.48E-01	7.33E+00	1.98E+01	4.52E+01	9.57E+01

2.01E+01 3.16E-03 1.92E+02 4.35E+00 4.41E-01 7.13E+00 1.93E+01 4.39E+01 9.22E+01

2.13E+01 3.22E-03 1.81E+02 4.19E+00 4.37E-01 6.92E+00 1.87E+01 4.25E+01 8.86E+01

2.25E+01 3.29E-03 1.70E+02 4.03E+00 4.24E-01 6.71E+00 1.81E+01 4.11E+01 8.50E+01

2.38E+01 3.36E-03 1.58E+02 3.87E+00 4.11E-01 6.49E+00 1.75E+01 3.97E+01 8.13E+01

2.52E+01 3.43E-03 1.47E+02 3.70E+00 3.98E-01 6.27E+00 1.69E+01 3.83E+01 7.76E+01



2.67E+01 3.50E-03 1.37E+02 3.54E+00 3.84E-01 6.05E+00 1.63E+01 3.68E+01 7.39E+01

2.82E+01 3.57E-03 1.26E+02 3.37E+00 3.71E-01 5.81E+00 1.56E+01 3.53E+01 7.01E+01

2.99E+01 3.64E-03 1.16E+02 3.21E+00 3.56E-01 5.58E+00 1.50E+01 3.37E+01 6.63E+01

3.00E+01 3.65E-03 1.15E+02 3.19E+00 3.55E-01 5.56E+00 1.49E+01 3.36E+01 6.61E+01

3.16E+01 3.72E-03 1.06E+02 3.04E+00 3.42E-01 5.34E+00 1.43E+01 3.22E+01 6.25E+01

3.35E+01 3.79E-03 9.62E+01 2.87E+00 3.28E-01 5.10E+00 1.36E+01 3.06E+01 5.88E+01

3.54E+01 3.86E-03 8.69E+01 2.71E+00 3.15E-01 4.86E+00 1.30E+01 2.91E+01 5.50E+01

3.75E+01 3.93E-03 7.81E+01 2.54E+00 3.00E-01 4.62E+00 1.23E+01 2.75E+01 5.13E+01



3.97E+01 3.99E-03 7.13E+01 2.38E+00 2.85E-01 4.37E+00 1.16E+01 2.59E+01 4.77E+01

4.20E+01 4.06E-03 6.54E+01 2.22E+00 2.70E-01 4.13E+00 1.09E+01 2.44E+01 4.41E+01

4.44E+01 4.12E-03 5.97E+01 2.07E+00 2.55E-01 3.88E+00 1.03E+01 2.28E+01 4.06E+01

4.70E+01 4.19E-03 5.42E+01 1.91E+00 2.41E-01 3.64E+00 9.59E+00 2.13E+01 3.72E+01

4.97E+01 4.25E-03 4.90E+01 1.76E+00 2.27E-01 3.40E+00 8.93E+00 1.98E+01 3.40E+01

5.26E+01 4.41E-03 4.40E+01 1.62E+00 2.12E-01 3.16E+00 8.29E+00 1.83E+01 3.08E+01

5.57E+01 4.48E-03 3.92E+01 1.48E+00 1.99E-01 2.93E+00 7.65E+00 1.69E+01 2.78E+01

5.90E+01 4.56E-03 3.47E+01 1.35E+00 1.85E-01 2.70E+00 7.04E+00 1.55E+01 2.49E+01



6.24E+01 4.63E-03 3.06E+01 1.22E+00 1.70E-01 2.48E+00 6.44E+00 1.41E+01 2.18E+01

60E+01 0.00E+00 2.67E+01 1.10E+00 1.56E-01 2.26E+00 5.86E+00 1.28E+01 1.96E+01

99E+01 0.00E+00 2.31E+01 9.86E-01 1.43E-01 2.06E+00 5.30E+00 1.15E+01 1.72E+01

7.39E+01 0.00E+00 1.99E+01 8.79E-01 1.30E-01 1.86E+00 4.77E+00 1.03E+01 1.50E+01

7.82E+01 0.00E+00 1.69E+01 7.79E-01 1.18E-01 1.67E+00 4.27E+00 9.20E+00 1.33E+01

8.28E+01 0.00E+00 1.43E+01 6.86E-01 1.06E-01 1.49E+00 3.79E+00 7.71E+00 1.17E+01

8.76E+01 0.00E+00 1.19E+01 6.00E-01 9.50E-02 1.32E+00 3.35E+00 6.38E+00 1.02E+01

9.27E+01 0.00E+00 9.87E+00 5.21E-01 8.46E-02 1.16E+00 2.93E+00 5.25E+00 8.85E+00



9.81E+01 0.00E+00 8.07E+00 4.50E-01 7.49E-02 1.02E+00 2.55E+00 4.51E+00 7.61E+00

1.00E+02 0.00E+00 7.53E+00 4.27E-01 7.19E-02 9.71E-01 2.43E+00 4.30E+00 7.22E+00

1.04E+02 0.00E+00 6.66E+00 3.85E-01 6.61E-02 8.82E-01 2.20E+00 3.88E+00 6.48E+00

1.10E+02 0.00E+00 5.60E+00 3.27E-01 5.82E-02 7.59E-01 1.83E+00 3.31E+00 5.20E+00

1.16E+02 0.00E+00 4.67E+00 2.76E-01 5.10E-02 6.49E-01 1.44E+00 2.79E+00 4.10E+00

1.23E+02 0.00E+00 3.85E+00 2.31E-01 4.47E-02 5.49E-01 1.22E+00 2.34E+00 3.19E+00

1.30E+02 0.00E+00 3.13E+00 1.91E-01 3.89E-02 4.61E-01 1.02E+00 1.93E+00 2.44E+00

1.38E+02 0.00E+00 2.52E+00 1.57E-01 3.35E-02 3.83E-01 8.41E-01 1.54E+00 1.90E+00



1.46E+02 0.00E+00 2.01E+00 1.28E-01 2.88E-02 3.12E-01 6.89E-01 1.21E+00 1.52E+00

1.54E+02 0.00E+00 1.58E+00 1.03E-01 2.47E-02 2.53E-01 5.58E-01 9.38E-01 1.21E+00

1.63E+02 0.00E+00 1.23E+00 8.26E-02 2.10E-02 2.03E-01 4.47E-01 7.08E-01 9.51E-01

1.73E+02 0.00E+00 9.40E-01 6.56E-02 1.83E-02 1.61E-01 3.53E-01 5.19E-01 7.37E-01

1.83E+02 0.00E+00 7.09E-01 5.18E-02 1.60E-02 1.27E-01 2.76E-01 3.74E-01 5.63E-01

1.94E+02 0.00E+00 5.27E-01 4.06E-02 1.41E-02 9.84E-02 2.12E-01 2.72E-01 4.23E-01

2.05E+02 0.00E+00 3.86E-01 3.18E-02 1.24E-02 7.57E-02 1.55E-01 2.02E-01 3.14E-01

2.17E+02 0.00E+00 2.77E-01 2.49E-02 1.09E-02 5.76E-02 1.10E-01 1.49E-01 2.29E-01



2.29E+02 0.00E+00 1.96E-01 1.96E-02 9.76E-03 4.37E-02 8.07E-02 1.09E-01 1.64E-01

2.43E+02 0.00E+00 1.36E-01 1.56E-02 8.85E-03 3.31E-02 5.46E-02 7.81E-02 1.17E-01

2.57E+02 0.00E+00 9.33E-02 1.26E-02 8.07E-03 2.51E-02 3.88E-02 5.56E-02 8.19E-02

2.72E+02 0.00E+00 6.30E-02 1.04E-02 7.44E-03 1.88E-02 2.83E-02 3.92E-02 5.70E-02

2.88E+02 0.00E+00 4.22E-02 8.88E-03 7.02E-03 1.45E-02 2.07E-02 2.78E-02 3.96E-02

3.00E+02 0.00E+00 3.14E-02 8.03E-03 6.80E-03 1.16E-02 1.63E-02 2.17E-02 2.95E-02

3.05E+02 0.00E+00 2.83E-02 7.77E-03 6.72E-03 1.10E-02 1.51E-02 1.99E-02 2.66E-02

3.22E+02 0.00E+00 1.97E-02 7.03E-03 6.48E-03 9.33E-03 1.16E-02 1.45E-02 1.84E-02



3.41E+02 0.00E+00 1.45E-02 6.52E-03 6.25E-03 7.93E-03 9.38E-03 1.12E-02 1.33E-02

3.61E+02 0.00E+00 1.12E-02 6.17E-03 6.10E-03 7.12E-03 7.92E-03 8.98E-03 9.80E-03

3.82E+02 0.00E+00 9.24E-03 5.94E-03 5.97E-03 6.77E-03 7.05E-03 7.39E-03 8.04E-03

4.04E+02 0.00E+00 8.08E-03 5.78E-03 5.89E-03 6.43E-03 6.62E-03 6.83E-03 7.11E-03

4.28E+02 0.00E+00 7.42E-03 5.67E-03 5.81E-03 6.32E-03 6.47E-03 6.59E-03 7.03E-03

4.53E+02 0.00E+00 7.16E-03 5.59E-03 5.75E-03 6.23E-03 6.39E-03 6.51E-03 6.96E-03

4.79E+02 0.00E+00 7.11E-03 5.52E-03 5.70E-03 6.19E-03 6.34E-03 6.46E-03 6.62E-03

5.07E+02 0.00E+00 7.07E-03 5.46E-03 5.65E-03 6.17E-03 6.28E-03 6.40E-03 6.57E-03



5.36E+02 0.00E+00 7.02E-03 5.40E-03 5.61E-03 6.15E-03 6.24E-03 6.35E-03 6.54E-03

5.68E+02 0.00E+00 6.98E-03 5.33E-03 5.57E-03 6.11E-03 6.20E-03 6.31E-03 6.52E-03

0.01E+02 0.00E+00 6.94E-03 5.27E-03 5.52E-03 6.08E-03 6.17E-03 6.27E-03 6.49E-03

6.36E+02 0.00E+00 6.89E-03 5.20E-03 5.48E-03 6.07E-03 6.17E-03 6.24E-03 6.46E-03

6.73E+02 0.00E+00 6.84E-03 5.13E-03 5.44E-03 6.04E-03 6.16E-03 6.22E-03 6.45E-03

7.12E+02 0.00E+00 6.79E-03 5.04E-03 5.38E-03 5.99E-03 6.11E-03 6.21E-03 6.45E-03

7.53E+02 0.00E+00 6.73E-03 4.96E-03 5.31E-03 5.95E-03 6.09E-03 6.17E-03 6.41E-03

7.97E+02 0.00E+00 6.68E-03 4.87E-03 5.25E-03 5.91E-03 6.04E-03 6.13E-03 6.36E-03



8.44E+02 0.00E+00 6.62E-03 4.78E-03 5.16E-03 5.85E-03 6.01E-03 6.10E-03 6.28E-03

93E+02 0.00E+00 6.56E-03 4.67E-03 5.08E-03 5.82E-03 5.93E-03 6.01E-03 6.21E-03

9.45E+02 0.00E+00 6.49E-03 4.56E-03 4.99E-03 5.71E-03 5.87E-03 5.99E-03 6.17E-03

1.00E+03 0.00E+00 6.42E-03 4.44E-03 4.89E-03 5.65E-03 5.79E-03 5.93E-03 6.12E-03

-----



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-243.RAD

Peak of the mean dose (averaged over observations) at graphical times

Repetition	Time of peak mean dose	Peak mean dose
	Years	mrem/yr
1	0.000E+00	1.037E+01
2	0.000E+00	9.604E+00
3	0.000E+00	8.357E+00

Title : RESRAD Default Parameters  
 Input File : FCS BFM INSITU UA CM-243.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	1	1	1	1

Description of Probabilistic Variable

	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	17	0.00	17	0.00	11	-0.03	11	-0.01
Contaminated zone b parameter	14	-0.01	14	-0.01	4	-0.09	4	-0.02
Evapotranspiration coefficient	9	-0.03	9	-0.03	12	0.02	12	0.00
Wind Speed	11	0.02	11	0.02	9	-0.04	9	-0.01
Runoff coefficient	6	0.05	6	0.05	6	-0.05	6	-0.01
b Parameter of Unsaturated zone 1	1	0.18	1	0.18	3	-0.15	3	-0.04
Mass loading for inhalation	15	-0.01	15	-0.01	5	-0.06	5	-0.02
Indoor dust filtration factor	3	-0.08	3	-0.08	15	-0.01	15	0.00
Depth of soil mixing layer	5	0.06	5	0.06	14	0.01	14	0.00
Depth of roots	2	-0.09	2	-0.09	2	0.66	2	0.24
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.01	16	0.01	16	0.00	16	0.00
Weathering removal constant of all vegetation	7	-0.04	7	-0.04	8	-0.05	8	-0.01
Wet foliar interception fraction of leafy vegetables	10	-0.03	10	-0.03	17	0.00	17	0.00
Humidity in air	4	0.07	4	0.07	13	-0.01	13	0.00
Cover erosion rate	13	-0.01	13	-0.01	10	0.03	10	0.01
Kd of Cm-243 in Contaminated Zone	12	-0.02	12	-0.02	1	-0.96	1	-0.93
Kd of Cm-243 in Saturated Zone	8	-0.04	8	-0.04	7	0.05	7	0.01
R-SQUARE		0.06		0.06		0.92		0.92

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Title : RESRAD Default Parameters  
 Input File : FCS BFM INSITU UA CM-243.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	2	2	2	2

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	17	0.00	17	0.00	3	-0.12	3	-0.04
Contaminated zone b parameter	16	-0.01	16	-0.01	11	0.05	11	0.01
Evapotranspiration coefficient	15	-0.01	15	-0.01	6	0.08	6	0.02
Wind Speed	5	-0.06	5	-0.06	17	-0.01	17	0.00
Runoff coefficient	7	0.04	7	0.04	8	-0.06	8	-0.02
b Parameter of Unsaturated zone 1	14	-0.01	14	-0.01	16	0.01	16	0.00
Mass loading for inhalation	6	0.05	6	0.05	10	0.06	10	0.02
Indoor dust filtration factor	4	0.09	4	0.09	5	0.10	5	0.03
Depth of soil mixing layer	12	-0.02	12	-0.02	9	0.06	9	0.02
Depth of roots	3	0.09	3	0.09	2	0.65	2	0.24
Wet weight crop yield of fruit, grain and non-leafy vegetables	11	0.02	11	0.02	4	-0.12	4	-0.03
Weathering removal constant of all vegetation	2	0.10	2	0.10	14	-0.05	14	-0.01
Wet foliar interception fraction of leafy vegetables	13	0.02	13	0.02	15	0.03	15	0.01
Humidity in air	1	0.14	1	0.14	12	-0.05	12	-0.01
Cover erosion rate	8	-0.04	8	-0.04	13	0.05	13	0.01
Kd of Cm-243 in Contaminated Zone	9	-0.02	9	-0.02	1	-0.96	1	-0.92
Kd of Cm-243 in Saturated Zone	10	-0.02	10	-0.02	7	0.06	7	0.02
R-SQUARE		0.05		0.05		0.92		0.92

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : RESRAD Default Parameters  
 Input File : FCS BFM INSITU UA CM-243.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	3	3	3	3

Description of Probabilistic Variable

	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	17	-0.01	17	-0.01	5	0.08	5	0.02
Contaminated zone b parameter	2	0.07	2	0.07	10	-0.05	11	-0.01
Evapotranspiration coefficient	6	-0.04	6	-0.04	12	0.04	12	0.01
Wind Speed	8	-0.04	8	-0.04	11	0.05	10	0.01
Runoff coefficient	1	0.13	1	0.13	14	-0.02	14	-0.01
b Parameter of Unsaturated zone 1	15	-0.01	15	-0.01	3	0.08	3	0.02
Mass loading for inhalation	12	-0.02	12	-0.02	15	-0.01	15	0.00
Indoor dust filtration factor	5	-0.05	5	-0.05	13	0.04	13	0.01
Depth of soil mixing layer	13	0.02	13	0.02	17	0.00	17	0.00
Depth of roots	4	0.05	4	0.05	2	0.67	2	0.23
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.01	14	-0.01	4	-0.08	4	-0.02
Weathering removal constant of all vegetation	16	0.01	16	0.01	9	-0.05	9	-0.01
Wet foliar interception fraction of leafy vegetables	9	0.03	9	0.03	8	0.05	8	0.01
Humidity in air	3	-0.07	3	-0.07	6	-0.06	6	-0.01
Cover erosion rate	10	-0.03	10	-0.03	7	0.05	7	0.01
Kd of Cm-243 in Contaminated Zone	7	-0.04	7	-0.04	1	-0.97	1	-0.94
Kd of Cm-243 in Saturated Zone	11	-0.02	11	-0.02	16	0.01	16	0.00

R-SQUARE 0.04 0.04 0.94 0.94

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.