

Probabilistic results summary : RESRAD Default Parameters

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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	
Ce-144											
Min	0.00E+00	1.70E-02	1.70E-02	6.98E-03	1.18E-03	2.31E-06	4.24E-14	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	2.83E-02	2.83E-02	1.16E-02	2.10E-03	1.71E-05	3.18E-13	0.00E+00	0.00E+00	0.00E+00	
Avg	0.00E+00	2.17E-02	2.17E-02	8.93E-03	1.51E-03	3.13E-06	6.14E-14	0.00E+00	0.00E+00	0.00E+00	
Std	0.00E+00	2.20E-03	2.20E-03	9.05E-04	1.54E-04	1.52E-06	4.11E-14	0.00E+00	0.00E+00	0.00E+00	
ALL											
Min	0.00E+00	1.70E-02	1.70E-02	6.98E-03	1.18E-03	2.31E-06	4.24E-14	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	2.83E-02	2.83E-02	1.16E-02	2.10E-03	1.71E-05	3.18E-13	0.00E+00	0.00E+00	0.00E+00	
Avg	0.00E+00	2.17E-02	2.17E-02	8.93E-03	1.51E-03	3.13E-06	6.14E-14	0.00E+00	0.00E+00	0.00E+00	
Std	0.00E+00	2.20E-03	2.20E-03	9.05E-04	1.54E-04	1.52E-06	4.11E-14	0.00E+00	0.00E+00	0.00E+00	

ALL is total dose summed for all nuclides.

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Probabilistic Risk Summary

Nuclide	RISK(j,t)								
	(j)	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
Ce-144									
Min		1.30E-06	5.33E-07	8.98E-08	1.76E-10	3.23E-18	0.00E+00	0.00E+00	0.00E+00
Max		2.55E-06	1.05E-06	1.77E-07	7.89E-10	1.50E-17	0.00E+00	0.00E+00	0.00E+00
Avg		1.82E-06	7.50E-07	1.26E-07	2.55E-10	4.84E-18	0.00E+00	0.00E+00	0.00E+00
Std		2.45E-07	1.01E-07	1.70E-08	6.37E-11	1.63E-18	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		1.30E-06	5.33E-07	8.98E-08	1.76E-10	3.23E-18	0.00E+00	0.00E+00	0.00E+00
Max		2.55E-06	1.05E-06	1.77E-07	7.89E-10	1.50E-17	0.00E+00	0.00E+00	0.00E+00
Avg		1.82E-06	7.50E-07	1.26E-07	2.55E-10	4.84E-18	0.00E+00	0.00E+00	0.00E+00
Std		2.45E-07	1.01E-07	1.70E-08	6.37E-11	1.63E-18	0.00E+00	0.00E+00	0.00E+00

ALL is total risk summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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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
Ce-144								
Min	1.37E-06	5.61E-07	9.45E-08	1.85E-10	3.39E-18	0.00E+00	0.00E+00	0.00E+00
Max	4.52E-06	1.84E-05	3.10E-04	1.34E-05	2.46E-13	0.00E+00	0.00E+00	0.00E+00
Avg	1.41E-06	6.71E-07	7.93E-07	1.64E-07	6.60E-15	0.00E+00	0.00E+00	0.00E+00
Std	2.04E-07	8.66E-07	1.05E-05	1.43E-06	3.92E-14	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	1.37E-06	5.61E-07	9.45E-08	1.85E-10	3.39E-18	0.00E+00	0.00E+00	0.00E+00
Max	4.52E-06	1.84E-05	3.10E-04	1.34E-05	2.46E-13	0.00E+00	0.00E+00	0.00E+00
Avg	1.41E-06	6.71E-07	7.93E-07	1.64E-07	6.60E-15	0.00E+00	0.00E+00	0.00E+00
Std	2.04E-07	8.66E-07	1.05E-05	1.43E-06	3.92E-14	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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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
Ce-144								
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	9.12E-08	1.24E-09	2.27E-17	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	8.61E-11	5.69E-12	2.16E-19	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	2.43E-09	5.54E-11	1.43E-18	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	9.12E-08	1.24E-09	2.27E-17	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	8.61E-11	5.69E-12	2.16E-19	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	2.43E-09	5.54E-11	1.43E-18	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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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
<hr/>								
Ce-144								
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
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ALL is total pathway dose summed for all nuclides.

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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/>								
Ce-144								
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	5.72E-03	2.45E-03	4.52E-04	9.97E-07	1.83E-14	0.00E+00	0.00E+00	0.00E+00
Avg	3.44E-03	1.42E-03	2.41E-04	4.83E-07	9.24E-15	0.00E+00	0.00E+00	0.00E+00
Std	2.01E-03	8.26E-04	1.39E-04	2.78E-07	5.19E-15	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	5.72E-03	2.45E-03	4.52E-04	9.97E-07	1.83E-14	0.00E+00	0.00E+00	0.00E+00
Avg	3.44E-03	1.42E-03	2.41E-04	4.83E-07	9.24E-15	0.00E+00	0.00E+00	0.00E+00
Std	2.01E-03	8.26E-04	1.39E-04	2.78E-07	5.19E-15	0.00E+00	0.00E+00	0.00E+00
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Probabilistic Dose vs Pathway(i): Meat (Water Ind.)

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) 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
Ce-144								
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	2.38E-06	1.02E-06	7.27E-07	3.15E-09	5.79E-17	0.00E+00	0.00E+00	0.00E+00
Avg	1.44E-06	5.92E-07	1.01E-07	2.38E-10	5.28E-18	0.00E+00	0.00E+00	0.00E+00
Std	8.42E-07	3.46E-07	6.04E-08	3.46E-10	9.04E-18	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	2.38E-06	1.02E-06	7.27E-07	3.15E-09	5.79E-17	0.00E+00	0.00E+00	0.00E+00
Avg	1.44E-06	5.92E-07	1.01E-07	2.38E-10	5.28E-18	0.00E+00	0.00E+00	0.00E+00
Std	8.42E-07	3.46E-07	6.04E-08	3.46E-10	9.04E-18	0.00E+00	0.00E+00	0.00E+00

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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/>								
Ce-144								
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	2.54E-05	1.09E-05	4.56E-06	1.70E-08	3.12E-16	0.00E+00	0.00E+00	0.00E+00
Avg	1.53E-05	6.32E-06	1.07E-06	2.32E-09	4.77E-17	0.00E+00	0.00E+00	0.00E+00
Std	8.98E-06	3.68E-06	6.28E-07	2.05E-09	4.94E-17	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	2.54E-05	1.09E-05	4.56E-06	1.70E-08	3.12E-16	0.00E+00	0.00E+00	0.00E+00
Avg	1.53E-05	6.32E-06	1.07E-06	2.32E-09	4.77E-17	0.00E+00	0.00E+00	0.00E+00
Std	8.98E-06	3.68E-06	6.28E-07	2.05E-09	4.94E-17	0.00E+00	0.00E+00	0.00E+00

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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/>								
Ce-144								
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	5.64E-06	2.71E-08	4.97E-16	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	4.82E-09	3.57E-10	1.40E-17	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	1.41E-07	3.00E-09	8.08E-17	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	5.64E-06	2.71E-08	4.97E-16	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	4.82E-09	3.57E-10	1.40E-17	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	1.41E-07	3.00E-09	8.08E-17	0.00E+00	0.00E+00	0.00E+00
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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/>								
Ce-144								
Min	1.67E-02	6.86E-03	1.15E-03	2.00E-06	1.94E-14	0.00E+00	0.00E+00	0.00E+00
Max	1.67E-02	6.86E-03	1.16E-03	2.27E-06	4.17E-14	0.00E+00	0.00E+00	0.00E+00
Avg	1.67E-02	6.86E-03	1.16E-03	2.26E-06	4.16E-14	0.00E+00	0.00E+00	0.00E+00
Std	1.70E-06	7.94E-07	1.99E-07	5.00E-09	4.40E-16	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	1.67E-02	6.86E-03	1.15E-03	2.00E-06	1.94E-14	0.00E+00	0.00E+00	0.00E+00
Max	1.67E-02	6.86E-03	1.16E-03	2.27E-06	4.17E-14	0.00E+00	0.00E+00	0.00E+00
Avg	1.67E-02	6.86E-03	1.16E-03	2.26E-06	4.16E-14	0.00E+00	0.00E+00	0.00E+00
Std	1.70E-06	7.94E-07	1.99E-07	5.00E-09	4.40E-16	0.00E+00	0.00E+00	0.00E+00
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Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) 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
Ce-144								
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.

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

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) 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/>								
Ce-144								
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 CE-144.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/>								
Ce-144								
Min	1.90E-04	7.81E-05	1.32E-05	2.58E-08	4.74E-16	0.00E+00	0.00E+00	0.00E+00
Max	7.10E-03	2.91E-03	4.91E-04	9.62E-07	1.77E-14	0.00E+00	0.00E+00	0.00E+00
Avg	1.52E-03	6.25E-04	1.05E-04	2.06E-07	3.79E-15	0.00E+00	0.00E+00	0.00E+00
Std	8.97E-04	3.68E-04	6.20E-05	1.22E-07	2.23E-15	0.00E+00	0.00E+00	0.00E+00
<hr/>								
ALL								
Min	1.90E-04	7.81E-05	1.32E-05	2.58E-08	4.74E-16	0.00E+00	0.00E+00	0.00E+00
Max	7.10E-03	2.91E-03	4.91E-04	9.62E-07	1.77E-14	0.00E+00	0.00E+00	0.00E+00
Avg	1.52E-03	6.25E-04	1.05E-04	2.06E-07	3.79E-15	0.00E+00	0.00E+00	0.00E+00
Std	8.97E-04	3.68E-04	6.20E-05	1.22E-07	2.23E-15	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 CE-144.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
Ce-144								
Min	4.48E-06	1.84E-06	3.09E-07	5.77E-10	5.58E-18	0.00E+00	0.00E+00	0.00E+00
Max	8.16E-06	3.35E-06	5.64E-07	1.11E-09	2.03E-17	0.00E+00	0.00E+00	0.00E+00
Avg	5.72E-06	2.35E-06	3.95E-07	7.75E-10	1.42E-17	0.00E+00	0.00E+00	0.00E+00
Std	8.02E-07	3.29E-07	5.55E-08	1.09E-10	2.00E-18	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	4.48E-06	1.84E-06	3.09E-07	5.77E-10	5.58E-18	0.00E+00	0.00E+00	0.00E+00
Max	8.16E-06	3.35E-06	5.64E-07	1.11E-09	2.03E-17	0.00E+00	0.00E+00	0.00E+00
Avg	5.72E-06	2.35E-06	3.95E-07	7.75E-10	1.42E-17	0.00E+00	0.00E+00	0.00E+00
Std	8.02E-07	3.29E-07	5.55E-08	1.09E-10	2.00E-18	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 CE-144.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
Ce-144								
Min	2.86E-05	1.17E-05	1.98E-06	3.85E-09	3.73E-17	0.00E+00	0.00E+00	0.00E+00
Max	6.79E-05	2.79E-05	4.69E-06	9.20E-09	1.69E-16	0.00E+00	0.00E+00	0.00E+00
Avg	4.19E-05	1.72E-05	2.89E-06	5.67E-09	1.04E-16	0.00E+00	0.00E+00	0.00E+00
Std	8.55E-06	3.51E-06	5.91E-07	1.16E-09	2.13E-17	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	2.86E-05	1.17E-05	1.98E-06	3.85E-09	3.73E-17	0.00E+00	0.00E+00	0.00E+00
Max	6.79E-05	2.79E-05	4.69E-06	9.20E-09	1.69E-16	0.00E+00	0.00E+00	0.00E+00
Avg	4.19E-05	1.72E-05	2.89E-06	5.67E-09	1.04E-16	0.00E+00	0.00E+00	0.00E+00
Std	8.55E-06	3.51E-06	5.91E-07	1.16E-09	2.13E-17	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 CE-144.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	1.75E-02	7.17E-03	1.21E-03	2.37E-06	4.36E-14	0.00E+00	0.00E+00	0.00E+00
0.050	1.77E-02	7.25E-03	1.22E-03	2.40E-06	4.41E-14	0.00E+00	0.00E+00	0.00E+00
0.075	1.79E-02	7.35E-03	1.24E-03	2.43E-06	4.48E-14	0.00E+00	0.00E+00	0.00E+00
0.100	1.82E-02	7.46E-03	1.26E-03	2.47E-06	4.55E-14	0.00E+00	0.00E+00	0.00E+00
0.125	1.85E-02	7.59E-03	1.28E-03	2.51E-06	4.64E-14	0.00E+00	0.00E+00	0.00E+00
0.150	1.88E-02	7.71E-03	1.30E-03	2.56E-06	4.72E-14	0.00E+00	0.00E+00	0.00E+00
0.175	1.91E-02	7.85E-03	1.32E-03	2.60E-06	4.82E-14	0.00E+00	0.00E+00	0.00E+00
0.200	1.94E-02	7.97E-03	1.35E-03	2.65E-06	4.92E-14	0.00E+00	0.00E+00	0.00E+00
0.225	1.97E-02	8.12E-03	1.37E-03	2.71E-06	5.02E-14	0.00E+00	0.00E+00	0.00E+00
0.250	2.01E-02	8.27E-03	1.40E-03	2.75E-06	5.10E-14	0.00E+00	0.00E+00	0.00E+00
0.275	2.05E-02	8.41E-03	1.42E-03	2.80E-06	5.19E-14	0.00E+00	0.00E+00	0.00E+00
0.300	2.08E-02	8.53E-03	1.44E-03	2.83E-06	5.26E-14	0.00E+00	0.00E+00	0.00E+00
0.325	2.10E-02	8.63E-03	1.46E-03	2.87E-06	5.32E-14	0.00E+00	0.00E+00	0.00E+00
0.350	2.13E-02	8.74E-03	1.47E-03	2.90E-06	5.37E-14	0.00E+00	0.00E+00	0.00E+00
0.375	2.15E-02	8.81E-03	1.49E-03	2.92E-06	5.42E-14	0.00E+00	0.00E+00	0.00E+00
0.400	2.17E-02	8.89E-03	1.50E-03	2.95E-06	5.46E-14	0.00E+00	0.00E+00	0.00E+00
0.425	2.18E-02	8.97E-03	1.51E-03	2.98E-06	5.50E-14	0.00E+00	0.00E+00	0.00E+00
0.450	2.20E-02	9.04E-03	1.52E-03	3.00E-06	5.54E-14	0.00E+00	0.00E+00	0.00E+00
0.475	2.22E-02	9.10E-03	1.53E-03	3.02E-06	5.58E-14	0.00E+00	0.00E+00	0.00E+00
0.500	2.23E-02	9.15E-03	1.54E-03	3.04E-06	5.62E-14	0.00E+00	0.00E+00	0.00E+00
0.525	2.24E-02	9.21E-03	1.55E-03	3.06E-06	5.65E-14	0.00E+00	0.00E+00	0.00E+00
0.550	2.26E-02	9.27E-03	1.56E-03	3.07E-06	5.67E-14	0.00E+00	0.00E+00	0.00E+00
0.575	2.27E-02	9.31E-03	1.57E-03	3.09E-06	5.70E-14	0.00E+00	0.00E+00	0.00E+00
0.600	2.28E-02	9.35E-03	1.58E-03	3.10E-06	5.72E-14	0.00E+00	0.00E+00	0.00E+00
0.625	2.29E-02	9.39E-03	1.58E-03	3.11E-06	5.74E-14	0.00E+00	0.00E+00	0.00E+00
0.650	2.30E-02	9.43E-03	1.59E-03	3.12E-06	5.76E-14	0.00E+00	0.00E+00	0.00E+00
0.675	2.31E-02	9.47E-03	1.60E-03	3.14E-06	5.79E-14	0.00E+00	0.00E+00	0.00E+00
0.700	2.31E-02	9.50E-03	1.60E-03	3.15E-06	5.81E-14	0.00E+00	0.00E+00	0.00E+00
0.725	2.32E-02	9.53E-03	1.61E-03	3.16E-06	5.83E-14	0.00E+00	0.00E+00	0.00E+00
0.750	2.33E-02	9.58E-03	1.62E-03	3.18E-06	5.86E-14	0.00E+00	0.00E+00	0.00E+00
0.775	2.34E-02	9.62E-03	1.62E-03	3.19E-06	5.89E-14	0.00E+00	0.00E+00	0.00E+00
0.800	2.35E-02	9.66E-03	1.63E-03	3.21E-06	5.92E-14	0.00E+00	0.00E+00	0.00E+00
0.825	2.37E-02	9.71E-03	1.64E-03	3.23E-06	5.97E-14	0.00E+00	0.00E+00	0.00E+00
0.850	2.38E-02	9.78E-03	1.65E-03	3.25E-06	6.00E-14	0.00E+00	0.00E+00	0.00E+00
0.875	2.40E-02	9.85E-03	1.66E-03	3.28E-06	6.06E-14	0.00E+00	0.00E+00	0.00E+00
0.900	2.42E-02	9.94E-03	1.68E-03	3.30E-06	6.12E-14	0.00E+00	0.00E+00	0.00E+00
0.925	2.44E-02	1.00E-02	1.69E-03	3.34E-06	6.22E-14	0.00E+00	0.00E+00	0.00E+00
0.950	2.47E-02	1.01E-02	1.72E-03	3.40E-06	6.38E-14	0.00E+00	0.00E+00	0.00E+00
0.975	2.53E-02	1.04E-02	1.75E-03	3.57E-06	2.94E-13	0.00E+00	0.00E+00	0.00E+00
1.000	2.83E-02	1.16E-02	2.10E-03	1.71E-05	3.18E-13	0.00E+00	0.00E+00	0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CE-144.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	1.70E-02	2.73E-02	2.17E-02	2.23E-02	2.42E-02	2.47E-02	2.51E-02	2.56E-02
1.00E+00	6.99E-03	1.12E-02	8.93E-03	9.14E-03	9.94E-03	1.01E-02	1.03E-02	1.05E-02
1.06E+00	6.64E-03	1.06E-02	8.48E-03	8.67E-03	9.43E-03	9.61E-03	9.77E-03	9.98E-03
1.12E+00	6.28E-03	1.01E-02	8.02E-03	8.21E-03	8.93E-03	9.10E-03	9.25E-03	9.45E-03
1.19E+00	5.93E-03	9.50E-03	7.57E-03	7.75E-03	8.43E-03	8.58E-03	8.72E-03	8.91E-03
1.25E+00	5.58E-03	8.93E-03	7.12E-03	7.29E-03	7.92E-03	8.07E-03	8.20E-03	8.38E-03
1.33E+00	5.22E-03	8.37E-03	6.67E-03	6.83E-03	7.43E-03	7.56E-03	7.69E-03	7.85E-03
1.40E+00	4.88E-03	7.81E-03	6.23E-03	6.37E-03	6.93E-03	7.06E-03	7.17E-03	7.33E-03
1.49E+00	4.53E-03	7.26E-03	5.79E-03	5.93E-03	6.44E-03	6.56E-03	6.67E-03	6.82E-03
1.57E+00	4.20E-03	6.72E-03	5.36E-03	5.49E-03	5.97E-03	6.08E-03	6.18E-03	6.31E-03
1.66E+00	3.87E-03	6.20E-03	4.94E-03	5.06E-03	5.50E-03	5.60E-03	5.70E-03	5.82E-03
1.76E+00	3.55E-03	5.68E-03	4.53E-03	4.64E-03	5.04E-03	5.14E-03	5.23E-03	5.34E-03
1.86E+00	3.24E-03	5.19E-03	4.14E-03	4.23E-03	4.60E-03	4.69E-03	4.77E-03	4.87E-03
1.97E+00	2.94E-03	4.71E-03	3.76E-03	3.84E-03	4.18E-03	4.26E-03	4.34E-03	4.42E-03
2.09E+00	2.65E-03	4.25E-03	3.39E-03	3.47E-03	3.77E-03	3.84E-03	3.92E-03	3.99E-03
2.21E+00	2.38E-03	3.82E-03	3.04E-03	3.11E-03	3.39E-03	3.45E-03	3.52E-03	3.58E-03
2.24E+00	2.12E-03	3.40E-03	2.71E-03	2.78E-03	3.02E-03	3.08E-03	3.14E-03	3.19E-03
2.27E+00	1.88E-03	3.01E-03	2.40E-03	2.46E-03	2.67E-03	2.73E-03	2.79E-03	2.83E-03
2.26E+00	1.65E-03	2.65E-03	2.11E-03	2.16E-03	2.35E-03	2.40E-03	2.45E-03	2.49E-03
2.27E+00	1.44E-03	2.31E-03	1.85E-03	1.89E-03	2.05E-03	2.09E-03	2.14E-03	2.19E-03
2.29E+00	1.25E-03	2.01E-03	1.60E-03	1.64E-03	1.78E-03	1.82E-03	1.85E-03	1.91E-03
3.00E+00	1.18E-03	1.93E-03	1.51E-03	1.54E-03	1.68E-03	1.71E-03	1.75E-03	1.80E-03
3.31E+00	1.07E-03	1.82E-03	1.37E-03	1.41E-03	1.53E-03	1.56E-03	1.59E-03	1.64E-03
3.32E+00	9.15E-04	1.66E-03	1.17E-03	1.20E-03	1.30E-03	1.33E-03	1.36E-03	1.40E-03
3.48E+00	7.71E-04	1.60E-03	9.88E-04	1.01E-03	1.10E-03	1.12E-03	1.15E-03	1.18E-03
3.68E+00	6.44E-04	1.62E-03	8.25E-04	8.43E-04	9.17E-04	9.39E-04	9.59E-04	9.88E-04
3.89E+00	5.32E-04	1.75E-03	6.83E-04	6.96E-04	7.58E-04	7.76E-04	7.92E-04	8.23E-04
4.12E+00	4.35E-04	1.90E-03	5.59E-04	5.69E-04	6.19E-04	6.35E-04	6.48E-04	6.73E-04
4.36E+00	3.51E-04	1.96E-03	4.53E-04	4.60E-04	5.00E-04	5.13E-04	5.24E-04	5.44E-04
4.61E+00	2.80E-04	1.90E-03	3.62E-04	3.67E-04	3.99E-04	4.09E-04	4.18E-04	4.36E-04
4.88E+00	2.21E-04	1.63E-03	2.86E-04	2.89E-04	3.14E-04	3.22E-04	3.29E-04	3.45E-04
5.17E+00	1.71E-04	1.27E-03	2.23E-04	2.24E-04	2.44E-04	2.50E-04	2.56E-04	2.68E-04
5.47E+00	1.31E-04	9.69E-04	1.71E-04	1.72E-04	1.86E-04	1.91E-04	1.96E-04	2.05E-04
5.78E+00	9.86E-05	7.29E-04	1.29E-04	1.29E-04	1.40E-04	1.44E-04	1.48E-04	1.54E-04
6.12E+00	7.30E-05	5.40E-04	9.62E-05	9.58E-05	1.04E-04	1.07E-04	1.09E-04	1.18E-04
6.48E+00	5.32E-05	3.93E-04	7.03E-05	6.97E-05	7.58E-05	7.78E-05	7.99E-05	9.15E-05
6.86E+00	3.80E-05	2.81E-04	5.04E-05	4.98E-05	5.42E-05	5.56E-05	5.71E-05	7.20E-05
7.26E+00	2.66E-05	1.97E-04	3.54E-05	3.49E-05	3.80E-05	3.90E-05	4.00E-05	5.82E-05
7.68E+00	1.83E-05	1.35E-04	2.44E-05	2.40E-05	2.61E-05	2.68E-05	2.75E-05	4.95E-05
8.13E+00	1.23E-05	9.07E-05	1.64E-05	1.61E-05	1.75E-05	1.80E-05	1.85E-05	4.55E-05
8.60E+00	8.05E-06	5.95E-05	1.08E-05	1.06E-05	1.15E-05	1.18E-05	1.21E-05	4.41E-05
9.10E+00	5.15E-06	3.81E-05	6.94E-06	6.76E-06	7.36E-06	7.55E-06	7.76E-06	3.65E-05
9.63E+00	3.21E-06	2.38E-05	4.34E-06	4.22E-06	4.59E-06	4.71E-06	4.89E-06	2.33E-05
1.00E+01	2.31E-06	1.71E-05	3.13E-06	3.03E-06	3.30E-06	3.39E-06	3.52E-06	1.68E-05
1.02E+01	1.95E-06	1.44E-05	2.64E-06	2.56E-06	2.79E-06	2.86E-06	2.97E-06	1.41E-05
1.08E+01	1.15E-06	8.50E-06	1.56E-06	1.51E-06	1.64E-06	1.69E-06	1.75E-06	8.36E-06
1.14E+01	6.56E-07	4.85E-06	8.96E-07	8.63E-07	9.39E-07	9.65E-07	1.00E-06	4.78E-06
1.21E+01	3.63E-07	2.69E-06	4.97E-07	4.78E-07	5.20E-07	5.34E-07	5.54E-07	2.64E-06
1.28E+01	1.94E-07	1.44E-06	2.67E-07	2.55E-07	2.78E-07	2.85E-07	3.01E-07	1.41E-06
1.35E+01	1.00E-07	7.39E-07	1.38E-07	1.32E-07	1.43E-07	1.47E-07	1.55E-07	7.28E-07
1.43E+01	4.96E-08	3.67E-07	6.86E-08	6.52E-08	7.10E-08	7.30E-08	7.72E-08	3.61E-07
1.51E+01	2.36E-08	1.74E-07	3.28E-08	3.11E-08	3.38E-08	3.47E-08	3.68E-08	1.72E-07
1.60E+01	1.07E-08	7.95E-08	1.50E-08	1.42E-08	1.54E-08	1.58E-08	1.69E-08	7.84E-08
1.70E+01	4.68E-09	3.46E-08	6.54E-09	6.17E-09	6.71E-09	6.90E-09	7.42E-09	3.41E-08
1.80E+01	1.94E-09	1.43E-08	2.72E-09	2.56E-09	2.78E-09	2.87E-09	3.11E-09	1.42E-08
1.90E+01	7.64E-10	5.65E-09	1.08E-09	1.01E-09	1.10E-09	1.13E-09	1.22E-09	5.58E-09

2.01E+01 2.85E-10 2.11E-09 4.03E-10 3.76E-10 4.10E-10 4.23E-10 4.58E-10 2.08E-09

2.13E+01 1.01E-10 7.43E-10 1.43E-10 1.33E-10 1.45E-10 1.49E-10 1.72E-10 7.33E-10

2.25E+01 3.33E-11 2.48E-10 4.74E-11 4.40E-11 4.79E-11 4.95E-11 6.32E-11 2.43E-10

2.38E+01 1.04E-11 7.71E-11 1.48E-11 1.37E-11 1.49E-11 1.54E-11 2.30E-11 7.56E-11

2.52E+01 3.01E-12 2.24E-11 4.31E-12 3.98E-12 4.33E-12 4.50E-12 8.42E-12 2.20E-11

2.67E+01 8.14E-13 6.06E-12 1.17E-12 1.08E-12 1.17E-12 1.22E-12 3.21E-12 5.95E-12

2.82E+01 2.04E-13 1.52E-12 2.94E-13 2.70E-13 2.94E-13 3.05E-13 1.31E-12 1.49E-12

2.99E+01 4.71E-14 3.51E-13 6.82E-14 6.24E-14 6.79E-14 7.05E-14 3.38E-13 3.44E-13

3.00E+01 4.24E-14 3.16E-13 6.14E-14 5.62E-14 6.11E-14 6.35E-14 3.05E-13 3.10E-13

3.16E+01 9.99E-15 7.44E-14 1.45E-14 1.32E-14 1.44E-14 1.50E-14 7.25E-14 7.30E-14

3.35E+01 1.94E-15 1.44E-14 2.82E-15 2.57E-15 2.80E-15 2.90E-15 1.40E-14 1.41E-14

3.54E+01 3.41E-16 2.54E-15 4.99E-16 4.52E-16 4.93E-16 5.12E-16 2.47E-15 2.49E-15

3.75E+01 5.43E-17 4.04E-16 7.97E-17 7.21E-17 7.86E-17 8.18E-17 3.94E-16 3.97E-16

3.97E+01 7.77E-18 5.79E-17 1.14E-17 1.03E-17 1.12E-17 1.17E-17 5.64E-17 5.68E-17

4.20E+01 9.92E-19 7.39E-18 1.47E-18 1.32E-18 1.44E-18 1.50E-18 7.21E-18 7.25E-18

4.44E+01 1.12E-19 8.37E-19 1.67E-19 1.50E-19 1.63E-19 1.70E-19 8.17E-19 8.22E-19

4.70E+01 1.12E-20 8.36E-20 1.67E-20 1.49E-20 1.63E-20 1.70E-20 8.15E-20 8.21E-20

4.97E+01 9.79E-22 7.29E-21 1.46E-21 1.30E-21 1.42E-21 1.49E-21 7.11E-21 7.16E-21

5.26E+01 7.41E-23 5.52E-22 1.11E-22 9.88E-23 1.08E-22 1.13E-22 5.39E-22 5.42E-22

5.57E+01 4.83E-24 3.60E-23 7.27E-24 6.44E-24 7.02E-24 7.35E-24 3.51E-23 3.53E-23

5.90E+01 2.68E-25 2.00E-24 4.05E-25 3.58E-25 3.91E-25 4.08E-25 1.95E-24 1.96E-24

6.24E+01 1.26E-26 9.39E-26 1.91E-26 1.68E-26 1.84E-26 1.92E-26 9.15E-26 9.21E-26

60E+01 4.93E-28 3.69E-27 7.53E-28 6.61E-28 7.21E-28 7.53E-28 3.59E-27 3.62E-27

99E+01 1.57E-29 1.20E-28 2.42E-29 2.11E-29 2.34E-29 2.45E-29 1.16E-28 1.17E-28

7.39E+01 0.00E+00 2.50E-30 9.54E-32 0.00E+00 0.00E+00 0.00E+00 2.48E-30 2.49E-30

7.82E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.28E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.76E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.27E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.81E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.10E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.16E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.23E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.30E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.17E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.29E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.43E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.57E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.72E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.88E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.22E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.41E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.61E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.82E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.28E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.68E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

0.01E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.12E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.97E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.44E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.93E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.45E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CE-144.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	1.70E-02	2.82E-02	2.17E-02	2.23E-02	2.42E-02	2.47E-02	2.54E-02	2.61E-02
1.00E+00	6.98E-03	1.16E-02	8.93E-03	9.16E-03	9.95E-03	1.01E-02	1.04E-02	1.07E-02
1.06E+00	6.63E-03	1.10E-02	8.48E-03	8.70E-03	9.44E-03	9.62E-03	9.90E-03	1.02E-02
1.12E+00	6.28E-03	1.04E-02	8.03E-03	8.23E-03	8.94E-03	9.10E-03	9.37E-03	9.67E-03
1.19E+00	5.92E-03	9.80E-03	7.57E-03	7.77E-03	8.43E-03	8.59E-03	8.84E-03	9.12E-03
1.25E+00	5.57E-03	9.21E-03	7.12E-03	7.31E-03	7.93E-03	8.09E-03	8.32E-03	8.58E-03
1.33E+00	5.22E-03	8.63E-03	6.67E-03	6.85E-03	7.43E-03	7.58E-03	7.79E-03	8.04E-03
1.40E+00	4.87E-03	8.06E-03	6.23E-03	6.39E-03	6.94E-03	7.08E-03	7.27E-03	7.51E-03
1.49E+00	4.53E-03	7.49E-03	5.79E-03	5.94E-03	6.45E-03	6.58E-03	6.76E-03	6.99E-03
1.57E+00	4.19E-03	6.94E-03	5.36E-03	5.50E-03	5.97E-03	6.09E-03	6.26E-03	6.47E-03
1.66E+00	3.86E-03	6.39E-03	4.94E-03	5.07E-03	5.51E-03	5.62E-03	5.77E-03	5.96E-03
1.76E+00	3.54E-03	5.86E-03	4.53E-03	4.65E-03	5.05E-03	5.15E-03	5.29E-03	5.47E-03
1.86E+00	3.23E-03	5.35E-03	4.14E-03	4.24E-03	4.61E-03	4.70E-03	4.83E-03	5.00E-03
1.97E+00	2.94E-03	4.86E-03	3.76E-03	3.85E-03	4.19E-03	4.27E-03	4.39E-03	4.54E-03
2.09E+00	2.65E-03	4.39E-03	3.39E-03	3.48E-03	3.78E-03	3.85E-03	3.96E-03	4.10E-03
2.21E+00	2.38E-03	3.94E-03	3.04E-03	3.12E-03	3.39E-03	3.46E-03	3.56E-03	3.68E-03
2.24E+00	2.12E-03	3.51E-03	2.71E-03	2.78E-03	3.02E-03	3.08E-03	3.17E-03	3.28E-03
2.47E+00	1.88E-03	3.11E-03	2.41E-03	2.47E-03	2.68E-03	2.73E-03	2.81E-03	2.91E-03
2.62E+00	1.65E-03	2.73E-03	2.12E-03	2.17E-03	2.36E-03	2.41E-03	2.47E-03	2.56E-03
2.77E+00	1.44E-03	2.39E-03	1.85E-03	1.89E-03	2.06E-03	2.11E-03	2.16E-03	2.23E-03
2.93E+00	1.25E-03	2.07E-03	1.60E-03	1.64E-03	1.78E-03	1.83E-03	1.87E-03	1.94E-03
3.00E+00	1.18E-03	1.95E-03	1.51E-03	1.54E-03	1.68E-03	1.72E-03	1.76E-03	1.82E-03
3.10E+00	1.07E-03	1.79E-03	1.37E-03	1.41E-03	1.53E-03	1.57E-03	1.61E-03	1.66E-03
3.28E+00	9.13E-04	1.63E-03	1.17E-03	1.20E-03	1.30E-03	1.34E-03	1.37E-03	1.42E-03
3.48E+00	7.70E-04	1.53E-03	9.88E-04	1.01E-03	1.10E-03	1.13E-03	1.16E-03	1.20E-03
3.68E+00	6.43E-04	1.50E-03	8.25E-04	8.44E-04	9.19E-04	9.43E-04	9.65E-04	1.00E-03
3.89E+00	5.31E-04	1.57E-03	6.83E-04	6.98E-04	7.60E-04	7.79E-04	7.97E-04	8.35E-04
4.12E+00	4.34E-04	1.72E-03	5.59E-04	5.71E-04	6.21E-04	6.37E-04	6.52E-04	6.90E-04
4.36E+00	3.51E-04	1.81E-03	4.53E-04	4.61E-04	5.02E-04	5.15E-04	5.27E-04	5.58E-04
4.61E+00	2.80E-04	1.78E-03	3.62E-04	3.68E-04	4.00E-04	4.11E-04	4.21E-04	4.45E-04
4.88E+00	2.20E-04	1.59E-03	2.86E-04	2.90E-04	3.15E-04	3.23E-04	3.33E-04	3.56E-04
5.17E+00	1.71E-04	1.25E-03	2.23E-04	2.25E-04	2.45E-04	2.51E-04	2.59E-04	2.77E-04
5.47E+00	1.31E-04	9.64E-04	1.71E-04	1.72E-04	1.87E-04	1.92E-04	1.98E-04	2.14E-04
5.78E+00	9.85E-05	7.26E-04	1.29E-04	1.30E-04	1.41E-04	1.45E-04	1.50E-04	1.61E-04
6.12E+00	7.29E-05	5.38E-04	9.62E-05	9.59E-05	1.05E-04	1.07E-04	1.11E-04	1.24E-04
6.48E+00	5.31E-05	3.91E-04	7.02E-05	6.98E-05	7.61E-05	7.81E-05	8.09E-05	9.80E-05
6.86E+00	3.79E-05	2.80E-04	5.03E-05	4.99E-05	5.44E-05	5.59E-05	5.79E-05	7.80E-05
7.26E+00	2.66E-05	1.96E-04	3.54E-05	3.50E-05	3.81E-05	3.92E-05	4.08E-05	6.42E-05
7.68E+00	1.82E-05	1.35E-04	2.44E-05	2.40E-05	2.61E-05	2.69E-05	2.80E-05	5.60E-05
8.13E+00	1.22E-05	9.05E-05	1.64E-05	1.61E-05	1.76E-05	1.81E-05	1.88E-05	5.31E-05
8.60E+00	8.03E-06	5.94E-05	1.08E-05	1.06E-05	1.15E-05	1.19E-05	1.25E-05	4.96E-05
9.10E+00	5.14E-06	3.80E-05	6.94E-06	6.77E-06	7.37E-06	7.59E-06	7.98E-06	3.68E-05
9.63E+00	3.21E-06	2.37E-05	4.34E-06	4.22E-06	4.60E-06	4.74E-06	4.98E-06	2.30E-05
1.00E+01	2.31E-06	1.70E-05	3.13E-06	3.04E-06	3.30E-06	3.41E-06	3.58E-06	1.67E-05
1.02E+01	1.95E-06	1.44E-05	2.64E-06	2.56E-06	2.79E-06	2.88E-06	3.02E-06	1.41E-05
1.08E+01	1.15E-06	8.47E-06	1.56E-06	1.51E-06	1.64E-06	1.70E-06	1.78E-06	8.35E-06
1.14E+01	6.56E-07	4.84E-06	8.97E-07	8.64E-07	9.41E-07	9.70E-07	1.02E-06	4.77E-06
1.21E+01	3.63E-07	2.68E-06	4.98E-07	4.78E-07	5.21E-07	5.37E-07	5.64E-07	2.64E-06
1.28E+01	1.94E-07	1.43E-06	2.67E-07	2.55E-07	2.78E-07	2.87E-07	3.01E-07	1.41E-06
1.35E+01	9.98E-08	7.38E-07	1.38E-07	1.32E-07	1.44E-07	1.48E-07	1.56E-07	7.29E-07
1.43E+01	4.95E-08	3.66E-07	6.86E-08	6.53E-08	7.12E-08	7.36E-08	7.88E-08	3.61E-07
1.51E+01	2.36E-08	1.74E-07	3.28E-08	3.11E-08	3.39E-08	3.51E-08	3.75E-08	1.72E-07
1.60E+01	1.07E-08	8.00E-08	1.50E-08	1.42E-08	1.54E-08	1.60E-08	1.74E-08	7.85E-08
1.70E+01	4.67E-09	3.48E-08	6.55E-09	6.16E-09	6.72E-09	6.96E-09	7.63E-09	3.42E-08
1.80E+01	1.94E-09	1.44E-08	2.72E-09	2.56E-09	2.79E-09	2.90E-09	3.19E-09	1.43E-08
1.90E+01	7.64E-10	5.69E-09	1.08E-09	1.01E-09	1.10E-09	1.15E-09	1.26E-09	5.62E-09

2.01E+01 2.85E-10 2.12E-09 4.03E-10 3.76E-10 4.11E-10 4.28E-10 4.87E-10 2.10E-09

2.13E+01 1.00E-10 7.48E-10 1.43E-10 1.33E-10 1.45E-10 1.51E-10 1.96E-10 7.38E-10

2.25E+01 3.33E-11 2.48E-10 4.74E-11 4.40E-11 4.80E-11 5.01E-11 7.91E-11 2.45E-10

2.38E+01 1.04E-11 7.71E-11 1.48E-11 1.37E-11 1.49E-11 1.56E-11 3.17E-11 7.61E-11

2.52E+01 3.01E-12 2.24E-11 4.31E-12 3.98E-12 4.34E-12 4.53E-12 1.32E-11 2.21E-11

2.67E+01 8.13E-13 6.06E-12 1.17E-12 1.08E-12 1.17E-12 1.22E-12 5.41E-12 5.97E-12

2.82E+01 2.04E-13 1.52E-12 2.94E-13 2.70E-13 2.94E-13 3.07E-13 1.35E-12 1.50E-12

2.99E+01 4.71E-14 3.50E-13 6.81E-14 6.23E-14 6.81E-14 7.13E-14 3.33E-13 3.46E-13

3.00E+01 4.24E-14 3.16E-13 6.14E-14 5.61E-14 6.13E-14 6.42E-14 2.99E-13 3.11E-13

3.16E+01 9.98E-15 7.44E-14 1.45E-14 1.32E-14 1.44E-14 1.52E-14 7.04E-14 7.34E-14

3.35E+01 1.94E-15 1.44E-14 2.82E-15 2.56E-15 2.80E-15 2.94E-15 1.40E-14 1.42E-14

3.54E+01 3.41E-16 2.54E-15 4.98E-16 4.52E-16 4.94E-16 5.19E-16 2.47E-15 2.50E-15

3.75E+01 5.43E-17 4.04E-16 7.97E-17 7.20E-17 7.87E-17 8.27E-17 3.94E-16 3.99E-16

3.97E+01 7.77E-18 5.78E-17 1.14E-17 1.03E-17 1.13E-17 1.18E-17 5.64E-17 5.71E-17

4.20E+01 9.92E-19 7.38E-18 1.47E-18 1.32E-18 1.44E-18 1.51E-18 7.21E-18 7.29E-18

4.44E+01 1.12E-19 8.37E-19 1.67E-19 1.49E-19 1.63E-19 1.72E-19 8.17E-19 8.26E-19

4.70E+01 1.12E-20 8.35E-20 1.67E-20 1.49E-20 1.63E-20 1.72E-20 8.16E-20 8.24E-20

4.97E+01 9.79E-22 7.29E-21 1.46E-21 1.30E-21 1.43E-21 1.50E-21 7.12E-21 7.19E-21

5.26E+01 1.52E-24 5.52E-22 1.11E-22 9.86E-23 1.08E-22 1.14E-22 5.40E-22 5.44E-22

5.57E+01 0.00E+00 3.59E-23 7.24E-24 6.43E-24 7.05E-24 7.41E-24 3.52E-23 3.55E-23

5.90E+01 0.00E+00 2.00E-24 4.03E-25 3.58E-25 3.92E-25 4.16E-25 1.95E-24 1.97E-24

6.24E+01 0.00E+00 9.37E-26 1.90E-26 1.68E-26 1.84E-26 1.95E-26 9.17E-26 9.24E-26

60E+01 0.00E+00 3.68E-27 7.48E-28 6.59E-28 7.25E-28 7.66E-28 3.60E-27 3.63E-27

99E+01 0.00E+00 1.19E-28 2.41E-29 2.10E-29 2.35E-29 2.49E-29 1.17E-28 1.18E-28

7.39E+01 0.00E+00 2.50E-30 9.31E-32 0.00E+00 0.00E+00 0.00E+00 2.48E-30 2.49E-30

7.82E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.28E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.76E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.27E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.81E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.10E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.16E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.23E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.30E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.17E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.29E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.43E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.57E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.72E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.88E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.22E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.41E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.61E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.82E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.28E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.68E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

0.01E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.12E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.97E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.44E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.93E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.45E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CE-144.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	1.71E-02	2.83E-02	2.17E-02	2.23E-02	2.42E-02	2.48E-02	2.53E-02	2.64E-02
1.00E+00	7.00E-03	1.16E-02	8.93E-03	9.16E-03	9.95E-03	1.02E-02	1.04E-02	1.08E-02
1.06E+00	6.65E-03	1.10E-02	8.48E-03	8.70E-03	9.44E-03	9.65E-03	9.87E-03	1.03E-02
1.12E+00	6.29E-03	1.04E-02	8.03E-03	8.23E-03	8.94E-03	9.14E-03	9.35E-03	9.74E-03
1.19E+00	5.94E-03	9.86E-03	7.57E-03	7.77E-03	8.43E-03	8.62E-03	8.83E-03	9.19E-03
1.25E+00	5.58E-03	9.27E-03	7.12E-03	7.30E-03	7.94E-03	8.11E-03	8.30E-03	8.65E-03
1.33E+00	5.23E-03	8.69E-03	6.67E-03	6.84E-03	7.44E-03	7.60E-03	7.78E-03	8.10E-03
1.40E+00	4.88E-03	8.11E-03	6.23E-03	6.39E-03	6.94E-03	7.09E-03	7.26E-03	7.56E-03
1.49E+00	4.54E-03	7.54E-03	5.79E-03	5.94E-03	6.45E-03	6.59E-03	6.75E-03	7.03E-03
1.57E+00	4.20E-03	6.98E-03	5.36E-03	5.50E-03	5.98E-03	6.10E-03	6.25E-03	6.51E-03
1.66E+00	3.87E-03	6.44E-03	4.94E-03	5.07E-03	5.51E-03	5.63E-03	5.76E-03	6.00E-03
1.76E+00	3.55E-03	5.90E-03	4.53E-03	4.65E-03	5.05E-03	5.16E-03	5.28E-03	5.50E-03
1.86E+00	3.24E-03	5.39E-03	4.14E-03	4.24E-03	4.61E-03	4.71E-03	4.82E-03	5.02E-03
1.97E+00	2.94E-03	4.89E-03	3.76E-03	3.85E-03	4.19E-03	4.28E-03	4.38E-03	4.56E-03
2.09E+00	2.66E-03	4.42E-03	3.39E-03	3.48E-03	3.78E-03	3.86E-03	3.96E-03	4.12E-03
2.21E+00	2.38E-03	3.96E-03	3.04E-03	3.12E-03	3.39E-03	3.47E-03	3.56E-03	3.69E-03
2.24E+00	2.13E-03	3.54E-03	2.71E-03	2.78E-03	3.02E-03	3.09E-03	3.17E-03	3.29E-03
2.47E+00	1.88E-03	3.13E-03	2.40E-03	2.47E-03	2.68E-03	2.74E-03	2.81E-03	2.92E-03
2.62E+00	1.66E-03	2.76E-03	2.12E-03	2.17E-03	2.36E-03	2.41E-03	2.47E-03	2.57E-03
2.77E+00	1.45E-03	2.41E-03	1.85E-03	1.89E-03	2.06E-03	2.10E-03	2.16E-03	2.24E-03
2.93E+00	1.25E-03	2.18E-03	1.60E-03	1.64E-03	1.78E-03	1.82E-03	1.87E-03	1.94E-03
3.00E+00	1.18E-03	2.10E-03	1.51E-03	1.54E-03	1.68E-03	1.72E-03	1.76E-03	1.83E-03
3.10E+00	1.08E-03	2.01E-03	1.37E-03	1.41E-03	1.53E-03	1.57E-03	1.61E-03	1.69E-03
3.28E+00	9.15E-04	1.88E-03	1.17E-03	1.20E-03	1.30E-03	1.33E-03	1.37E-03	1.44E-03
3.48E+00	7.72E-04	1.83E-03	9.88E-04	1.01E-03	1.10E-03	1.13E-03	1.16E-03	1.21E-03
3.68E+00	6.45E-04	1.89E-03	8.26E-04	8.45E-04	9.18E-04	9.42E-04	9.69E-04	1.01E-03
3.89E+00	5.33E-04	2.05E-03	6.83E-04	6.98E-04	7.59E-04	7.78E-04	8.01E-04	8.39E-04
4.12E+00	4.35E-04	2.16E-03	5.59E-04	5.71E-04	6.20E-04	6.36E-04	6.56E-04	6.92E-04
4.36E+00	3.52E-04	2.16E-03	4.53E-04	4.61E-04	5.01E-04	5.14E-04	5.33E-04	5.59E-04
4.61E+00	2.80E-04	2.01E-03	3.62E-04	3.68E-04	4.00E-04	4.10E-04	4.25E-04	4.50E-04
4.88E+00	2.21E-04	1.63E-03	2.86E-04	2.90E-04	3.15E-04	3.23E-04	3.34E-04	3.56E-04
5.17E+00	1.71E-04	1.27E-03	2.23E-04	2.25E-04	2.44E-04	2.50E-04	2.60E-04	2.84E-04
5.47E+00	1.31E-04	9.70E-04	1.71E-04	1.72E-04	1.87E-04	1.92E-04	1.99E-04	2.17E-04
5.78E+00	9.87E-05	7.30E-04	1.29E-04	1.30E-04	1.41E-04	1.45E-04	1.50E-04	1.65E-04
6.12E+00	7.31E-05	5.41E-04	9.60E-05	9.60E-05	1.04E-04	1.07E-04	1.11E-04	1.22E-04
6.48E+00	5.32E-05	3.94E-04	7.02E-05	6.99E-05	7.59E-05	7.80E-05	8.09E-05	9.05E-05
6.86E+00	3.80E-05	2.81E-04	5.03E-05	5.00E-05	5.43E-05	5.57E-05	5.78E-05	7.12E-05
7.26E+00	2.66E-05	1.97E-04	3.54E-05	3.50E-05	3.80E-05	3.91E-05	4.05E-05	5.76E-05
7.68E+00	1.83E-05	1.35E-04	2.43E-05	2.40E-05	2.61E-05	2.68E-05	2.79E-05	4.90E-05
8.13E+00	1.23E-05	9.07E-05	1.64E-05	1.61E-05	1.75E-05	1.80E-05	1.87E-05	4.49E-05
8.60E+00	8.05E-06	5.95E-05	1.08E-05	1.06E-05	1.15E-05	1.18E-05	1.23E-05	4.35E-05
9.10E+00	5.15E-06	3.81E-05	6.93E-06	6.77E-06	7.37E-06	7.57E-06	7.99E-06	3.62E-05
9.63E+00	3.21E-06	2.37E-05	4.33E-06	4.22E-06	4.60E-06	4.72E-06	4.99E-06	2.33E-05
1.00E+01	2.31E-06	1.71E-05	3.12E-06	3.04E-06	3.31E-06	3.41E-06	3.59E-06	1.68E-05
1.02E+01	1.95E-06	1.44E-05	2.64E-06	2.56E-06	2.79E-06	2.87E-06	3.03E-06	1.42E-05
1.08E+01	1.15E-06	8.52E-06	1.56E-06	1.51E-06	1.65E-06	1.70E-06	1.79E-06	8.34E-06
1.14E+01	6.57E-07	4.87E-06	8.96E-07	8.63E-07	9.41E-07	9.72E-07	1.03E-06	4.77E-06
1.21E+01	3.63E-07	2.69E-06	4.97E-07	4.78E-07	5.21E-07	5.38E-07	5.74E-07	2.64E-06
1.28E+01	1.94E-07	1.45E-06	2.66E-07	2.55E-07	2.78E-07	2.88E-07	3.08E-07	1.41E-06
1.35E+01	1.00E-07	7.48E-07	1.38E-07	1.32E-07	1.43E-07	1.48E-07	1.59E-07	7.28E-07
1.43E+01	4.96E-08	3.71E-07	6.86E-08	6.53E-08	7.11E-08	7.35E-08	8.01E-08	3.61E-07
1.51E+01	2.36E-08	1.76E-07	3.28E-08	3.11E-08	3.39E-08	3.50E-08	3.81E-08	1.72E-07
1.60E+01	1.07E-08	8.04E-08	1.50E-08	1.42E-08	1.54E-08	1.60E-08	1.74E-08	7.84E-08
1.70E+01	4.68E-09	3.50E-08	6.54E-09	6.17E-09	6.72E-09	6.95E-09	7.77E-09	3.41E-08
1.80E+01	1.94E-09	1.45E-08	2.72E-09	2.56E-09	2.79E-09	2.88E-09	3.29E-09	1.42E-08
1.90E+01	7.64E-10	5.72E-09	1.08E-09	1.01E-09	1.10E-09	1.14E-09	1.30E-09	5.58E-09

2.01E+01 2.85E-10 2.13E-09 4.03E-10 3.77E-10 4.11E-10 4.25E-10 5.19E-10 2.08E-09

2.13E+01 1.01E-10 7.52E-10 1.42E-10 1.33E-10 1.45E-10 1.50E-10 1.99E-10 7.34E-10

2.25E+01 3.33E-11 2.49E-10 4.74E-11 4.41E-11 4.80E-11 4.98E-11 7.24E-11 2.44E-10

2.38E+01 1.04E-11 7.75E-11 1.48E-11 1.37E-11 1.49E-11 1.56E-11 2.60E-11 7.57E-11

2.52E+01 3.01E-12 2.25E-11 4.31E-12 3.99E-12 4.34E-12 4.54E-12 9.45E-12 2.20E-11

2.67E+01 8.13E-13 6.09E-12 1.17E-12 1.08E-12 1.17E-12 1.23E-12 3.57E-12 5.94E-12

2.82E+01 2.04E-13 1.52E-12 2.94E-13 2.70E-13 2.94E-13 3.08E-13 1.42E-12 1.49E-12

2.99E+01 4.71E-14 3.53E-13 6.82E-14 6.25E-14 6.80E-14 7.12E-14 3.41E-13 3.44E-13

3.00E+01 4.24E-14 3.18E-13 6.14E-14 5.62E-14 6.12E-14 6.41E-14 3.07E-13 3.10E-13

3.16E+01 9.99E-15 7.49E-14 1.45E-14 1.33E-14 1.44E-14 1.51E-14 7.24E-14 7.30E-14

3.35E+01 1.94E-15 1.45E-14 2.82E-15 2.57E-15 2.80E-15 2.93E-15 1.40E-14 1.42E-14

3.54E+01 3.41E-16 2.56E-15 4.99E-16 4.53E-16 4.94E-16 5.16E-16 2.47E-15 2.49E-15

3.75E+01 5.43E-17 4.07E-16 7.98E-17 7.23E-17 7.87E-17 8.25E-17 3.94E-16 3.97E-16

3.97E+01 7.76E-18 5.82E-17 1.15E-17 1.03E-17 1.13E-17 1.18E-17 5.64E-17 5.68E-17

4.20E+01 9.92E-19 7.44E-18 1.47E-18 1.32E-18 1.44E-18 1.51E-18 7.20E-18 7.25E-18

4.44E+01 1.12E-19 8.42E-19 1.67E-19 1.50E-19 1.63E-19 1.71E-19 8.16E-19 8.22E-19

4.70E+01 1.12E-20 8.40E-20 1.67E-20 1.50E-20 1.63E-20 1.71E-20 8.14E-20 8.20E-20

4.97E+01 9.78E-22 7.33E-21 1.46E-21 1.31E-21 1.42E-21 1.50E-21 7.10E-21 7.16E-21

5.26E+01 7.40E-23 5.55E-22 1.11E-22 9.89E-23 1.08E-22 1.13E-22 5.38E-22 5.42E-22

5.57E+01 4.82E-24 3.61E-23 7.27E-24 6.45E-24 7.04E-24 7.40E-24 3.50E-23 3.53E-23

5.90E+01 2.68E-25 2.01E-24 4.05E-25 3.59E-25 3.92E-25 4.11E-25 1.95E-24 1.96E-24

6.24E+01 1.26E-26 9.43E-26 1.91E-26 1.69E-26 1.84E-26 1.95E-26 9.14E-26 9.21E-26

60E+01 4.93E-28 3.70E-27 7.51E-28 6.61E-28 7.24E-28 7.67E-28 3.59E-27 3.62E-27

99E+01 0.00E+00 1.20E-28 2.41E-29 2.11E-29 2.35E-29 2.48E-29 1.16E-28 1.17E-28

7.39E+01 0.00E+00 2.50E-30 9.19E-32 0.00E+00 0.00E+00 0.00E+00 2.48E-30 2.49E-30

7.82E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.28E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.76E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.27E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.81E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.10E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.16E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.23E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.30E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.17E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.29E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.43E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.57E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.72E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.88E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.22E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.41E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.61E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.82E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.28E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.68E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

0.01E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.12E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.97E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.44E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.93E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.45E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CE-144.RAD

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

Repetition	Time of peak mean dose		Peak mean dose mrem/yr
	Years		
1	0.000E+00		2.174E-02
2	0.000E+00		2.175E-02
3	0.000E+00		2.175E-02

Title : RESRAD Default Parameters
 Input File : FCS BFM INSITU UA CE-144.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	9	-0.04	9	-0.01	14	-0.01	14	0.00
Contaminated zone b parameter	5	-0.06	5	-0.02	5	-0.07	5	-0.02
Evapotranspiration coefficient	10	-0.02	10	-0.01	6	-0.05	6	-0.01
Wind Speed	13	0.02	13	0.01	15	-0.01	15	0.00
Runoff coefficient	14	-0.01	14	0.00	12	0.03	12	0.01
b Parameter of Unsaturated zone 1	7	0.05	7	0.02	11	0.03	11	0.01
Mass loading for inhalation	15	0.01	15	0.00	17	0.01	17	0.00
Indoor dust filtration factor	12	-0.02	12	-0.01	10	-0.03	10	-0.01
Depth of soil mixing layer	6	0.05	6	0.02	9	0.04	9	0.01
Depth of roots	1	0.93	1	0.87	1	0.96	1	0.88
Wet weight crop yield of fruit, grain and non-leafy vegetables	3	-0.37	3	-0.14	3	-0.51	3	-0.15
Weathering removal constant of all vegetation	2	-0.65	2	-0.29	2	-0.80	2	-0.35
Wet foliar interception fraction of leafy vegetables	4	0.33	4	0.12	4	0.50	4	0.15
Humidity in air	11	0.02	11	0.01	8	0.05	8	0.01
Cover erosion rate	8	0.04	8	0.01	7	0.05	7	0.01
Kd of Ce-144 in Contaminated Zone	17	0.00	17	0.00	16	-0.01	16	0.00
Kd of Ce-144 in Saturated Zone	16	0.00	16	0.00	13	0.02	13	0.00
R-SQUARE		0.88		0.88		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.

Title : RESRAD Default Parameters
 Input File : FCS BFM INSITU UA CE-144.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	16	-0.01	16	0.00	13	0.03	13	0.01
Contaminated zone b parameter	15	0.01	15	0.00	8	0.05	8	0.01
Evapotranspiration coefficient	14	0.01	14	0.00	6	0.06	6	0.02
Wind Speed	17	0.00	17	0.00	9	-0.04	9	-0.01
Runoff coefficient	8	0.04	8	0.01	11	0.04	11	0.01
b Parameter of Unsaturated zone 1	9	-0.03	9	-0.01	7	-0.05	7	-0.01
Mass loading for inhalation	6	-0.04	6	-0.01	5	-0.07	5	-0.02
Indoor dust filtration factor	11	0.03	11	0.01	17	0.00	17	0.00
Depth of soil mixing layer	7	0.04	7	0.01	10	0.04	10	0.01
Depth of roots	1	0.93	1	0.86	1	0.96	1	0.88
Wet weight crop yield of fruit, grain and non-leafy vegetables	4	-0.31	4	-0.11	4	-0.47	4	-0.14
Weathering removal constant of all vegetation	2	-0.67	2	-0.31	2	-0.80	2	-0.35
Wet foliar interception fraction of leafy vegetables	3	0.39	3	0.14	3	0.52	3	0.15
Humidity in air	13	-0.02	13	-0.01	15	0.00	15	0.00
Cover erosion rate	5	0.05	5	0.02	12	0.04	12	0.01
Kd of Ce-144 in Contaminated Zone	10	0.03	10	0.01	14	0.03	14	0.01
Kd of Ce-144 in Saturated Zone	12	0.02	12	0.01	16	0.00	16	0.00
R-SQUARE	0.88		0.88		0.93		0.93	

-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 CE-144.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	13 0.01	13 0.00	5 0.07	5 0.02
Contaminated zone b parameter	9 -0.03	9 -0.01	9 -0.02	9 -0.01
Evapotranspiration coefficient	7 -0.03	7 -0.01	11 0.02	11 0.00
Wind Speed	12 0.01	12 0.00	8 0.03	8 0.01
Runoff coefficient	6 0.03	6 0.01	10 0.02	10 0.01
b Parameter of Unsaturated zone 1	8 0.03	8 0.01	6 0.05	6 0.01
Mass loading for inhalation	17 0.00	17 0.00	14 -0.01	14 0.00
Indoor dust filtration factor	10 0.02	10 0.01	7 0.03	7 0.01
Depth of soil mixing layer	15 0.01	15 0.00	16 0.00	16 0.00
Depth of roots	1 0.93	1 0.87	1 0.96	1 0.88
Wet weight crop yield of fruit, grain and non-leafy vegetables	4 -0.28	4 -0.10	4 -0.43	4 -0.12
Weathering removal constant of all vegetation	2 -0.67	2 -0.31	2 -0.82	2 -0.36
Wet foliar interception fraction of leafy vegetables	3 0.38	3 0.14	3 0.50	3 0.15
Humidity in air	11 -0.01	11 0.00	17 0.00	17 0.00
Cover erosion rate	5 0.06	5 0.02	15 -0.01	15 0.00
Kd of Ce-144 in Contaminated Zone	14 0.01	14 0.00	13 -0.02	13 0.00
Kd of Ce-144 in Saturated Zone	16 -0.01	16 0.00	12 0.02	12 0.00
R-SQUARE	0.88	0.88	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.