

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
Tc-99										
Min	0.00E+00	1.13E+00	1.13E+00	1.07E+00	9.73E-01	1.06E-01	1.57E-04	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	5.23E+00	5.23E+00	4.60E+00	3.57E+00	1.70E+00	7.72E-01	8.85E-02	1.87E-04	8.03E-14
Avg	0.00E+00	3.56E+00	3.56E+00	3.01E+00	2.16E+00	7.33E-01	5.53E-02	2.32E-04	1.81E-07	5.65E-17
Std	0.00E+00	6.77E-01	6.77E-01	5.71E-01	4.84E-01	3.46E-01	7.60E-02	3.05E-03	5.28E-06	2.08E-15
ALL										
Min	0.00E+00	1.13E+00	1.13E+00	1.07E+00	9.73E-01	1.06E-01	1.57E-04	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	5.23E+00	5.23E+00	4.60E+00	3.57E+00	1.70E+00	7.72E-01	8.85E-02	1.87E-04	8.03E-14
Avg	0.00E+00	3.56E+00	3.56E+00	3.01E+00	2.16E+00	7.33E-01	5.53E-02	2.32E-04	1.81E-07	5.65E-17
Std	0.00E+00	6.77E-01	6.77E-01	5.71E-01	4.84E-01	3.46E-01	7.60E-02	3.05E-03	5.28E-06	2.08E-15

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
Tc-99									
Min		7.87E-05	7.51E-05	6.77E-05	8.08E-06	1.20E-08	0.00E+00	0.00E+00	0.00E+00
Max		3.99E-04	3.52E-04	2.74E-04	1.32E-04	6.10E-05	7.06E-06	1.49E-08	6.41E-18
Avg		2.67E-04	2.27E-04	1.62E-04	5.48E-05	4.12E-06	1.78E-08	1.44E-11	4.51E-21
Std		5.69E-05	4.71E-05	3.76E-05	2.57E-05	5.72E-06	2.40E-07	4.20E-10	1.66E-19
ALL									
Min		7.87E-05	7.51E-05	6.77E-05	8.08E-06	1.20E-08	0.00E+00	0.00E+00	0.00E+00
Max		3.99E-04	3.52E-04	2.74E-04	1.32E-04	6.10E-05	7.06E-06	1.49E-08	6.41E-18
Avg		2.67E-04	2.27E-04	1.62E-04	5.48E-05	4.12E-06	1.78E-08	1.44E-11	4.51E-21
Std		5.69E-05	4.71E-05	3.76E-05	2.57E-05	5.72E-06	2.40E-07	4.20E-10	1.66E-19

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
Tc-99								
Min	9.25E-18	6.72E-18	3.54E-18	3.75E-19	6.18E-22	0.00E+00	0.00E+00	0.00E+00
Max	6.41E-16	2.23E-13	2.69E-08	3.10E-05	9.25E-06	1.91E-07	2.15E-12	4.81E-29
Avg	1.28E-17	4.31E-16	3.11E-11	1.44E-07	2.67E-08	3.58E-10	3.30E-15	4.38E-32
Std	2.82E-17	7.65E-15	7.82E-10	1.57E-06	3.58E-07	7.12E-09	6.87E-14	0.00E+00
TOTAL								
Min	9.25E-18	6.72E-18	3.54E-18	3.75E-19	6.18E-22	0.00E+00	0.00E+00	0.00E+00
Max	6.41E-16	2.23E-13	2.69E-08	3.10E-05	9.25E-06	1.91E-07	2.15E-12	4.81E-29
Avg	1.28E-17	4.31E-16	3.11E-11	1.44E-07	2.67E-08	3.58E-10	3.30E-15	4.38E-32
Std	2.82E-17	7.65E-15	7.82E-10	1.57E-06	3.58E-07	7.12E-09	6.87E-14	0.00E+00

TOTAL 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							
	(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
Tc-99								
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	2.46E-08	4.80E-08	1.42E-08	2.02E-10	2.76E-15	0.00E+00
Avg	0.00E+00	0.00E+00	2.56E-11	2.52E-10	4.06E-11	4.54E-13	4.49E-18	0.00E+00
Std	0.00E+00	0.00E+00	6.84E-10	2.54E-09	5.19E-10	8.65E-12	9.07E-17	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	2.46E-08	4.80E-08	1.42E-08	2.02E-10	2.76E-15	0.00E+00
Avg	0.00E+00	0.00E+00	2.56E-11	2.52E-10	4.06E-11	4.54E-13	4.49E-18	0.00E+00
Std	0.00E+00	0.00E+00	6.84E-10	2.54E-09	5.19E-10	8.65E-12	9.07E-17	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): 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
Tc-99								
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): 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
Tc-99								
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	1.34E+00	1.33E+00	1.30E+00	9.52E-01	5.14E-01	5.96E-02	1.26E-04	5.43E-14
Avg	7.73E-01	6.57E-01	4.79E-01	1.70E-01	1.48E-02	1.16E-04	1.19E-07	3.81E-17
Std	4.53E-01	3.87E-01	2.94E-01	1.42E-01	3.18E-02	1.94E-03	3.51E-06	1.40E-15
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	1.34E+00	1.33E+00	1.30E+00	9.52E-01	5.14E-01	5.96E-02	1.26E-04	5.43E-14
Avg	7.73E-01	6.57E-01	4.79E-01	1.70E-01	1.48E-02	1.16E-04	1.19E-07	3.81E-17
Std	4.53E-01	3.87E-01	2.94E-01	1.42E-01	3.18E-02	1.94E-03	3.51E-06	1.40E-15

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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
Tc-99								
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	2.36E-03	2.33E-03	2.28E-03	1.68E-03	9.07E-04	1.05E-04	2.22E-07	9.59E-17
Avg	1.39E-03	1.18E-03	8.60E-04	3.05E-04	2.65E-05	2.06E-07	2.09E-10	6.72E-20
Std	8.12E-04	6.95E-04	5.26E-04	2.53E-04	5.64E-05	3.42E-06	6.19E-09	2.48E-18
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	2.36E-03	2.33E-03	2.28E-03	1.68E-03	9.07E-04	1.05E-04	2.22E-07	9.59E-17
Avg	1.39E-03	1.18E-03	8.60E-04	3.05E-04	2.65E-05	2.06E-07	2.09E-10	6.72E-20
Std	8.12E-04	6.95E-04	5.26E-04	2.53E-04	5.64E-05	3.42E-06	6.19E-09	2.48E-18

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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
Tc-99								
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	1.96E-01	1.94E-01	1.90E-01	1.40E-01	7.56E-02	8.75E-03	1.85E-05	7.99E-15
Avg	1.15E-01	9.77E-02	7.12E-02	2.53E-02	2.20E-03	1.71E-05	1.74E-08	5.60E-18
Std	6.73E-02	5.76E-02	4.36E-02	2.10E-02	4.69E-03	2.85E-04	5.16E-07	2.06E-16
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	1.96E-01	1.94E-01	1.90E-01	1.40E-01	7.56E-02	8.75E-03	1.85E-05	7.99E-15
Avg	1.15E-01	9.77E-02	7.12E-02	2.53E-02	2.20E-03	1.71E-05	1.74E-08	5.60E-18
Std	6.73E-02	5.76E-02	4.36E-02	2.10E-02	4.69E-03	2.85E-04	5.16E-07	2.06E-16

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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
Tc-99								
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	3.23E-06	1.10E-05	3.30E-06	6.80E-08	7.66E-13	3.68E-30
Avg	0.00E+00	0.00E+00	4.51E-09	5.81E-08	9.97E-09	1.28E-10	1.18E-15	2.45E-33
Std	0.00E+00	0.00E+00	1.06E-07	5.82E-07	1.28E-07	2.54E-09	2.45E-14	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	3.23E-06	1.10E-05	3.30E-06	6.80E-08	7.66E-13	3.68E-30
Avg	0.00E+00	0.00E+00	4.51E-09	5.81E-08	9.97E-09	1.28E-10	1.18E-15	2.45E-33
Std	0.00E+00	0.00E+00	1.06E-07	5.82E-07	1.28E-07	2.54E-09	2.45E-14	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
Tc-99								
Min	2.79E-01	2.70E-01	2.54E-01	6.69E-02	8.60E-05	0.00E+00	0.00E+00	0.00E+00
Max	2.16E+00	1.91E+00	1.51E+00	6.76E-01	1.84E-01	1.48E-02	2.68E-05	1.13E-14
Avg	1.78E+00	1.50E+00	1.07E+00	3.58E-01	2.55E-02	6.50E-05	2.94E-08	8.12E-18
Std	2.77E-01	2.26E-01	1.97E-01	1.54E-01	3.03E-02	5.68E-04	8.17E-07	2.93E-16
ALL								
Min	2.79E-01	2.70E-01	2.54E-01	6.69E-02	8.60E-05	0.00E+00	0.00E+00	0.00E+00
Max	2.16E+00	1.91E+00	1.51E+00	6.76E-01	1.84E-01	1.48E-02	2.68E-05	1.13E-14
Avg	1.78E+00	1.50E+00	1.07E+00	3.58E-01	2.55E-02	6.50E-05	2.94E-08	8.12E-18
Std	2.77E-01	2.26E-01	1.97E-01	1.54E-01	3.03E-02	5.68E-04	8.17E-07	2.93E-16

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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/>								
Tc-99								
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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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
Tc-99								
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 TC-99.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
Tc-99								
Min	1.30E-01	1.26E-01	1.18E-01	2.47E-02	3.23E-05	0.00E+00	0.00E+00	0.00E+00
Max	1.37E+00	1.20E+00	9.24E-01	3.94E-01	8.95E-02	5.94E-03	1.25E-05	5.27E-15
Avg	7.06E-01	5.95E-01	4.25E-01	1.42E-01	1.01E-02	2.63E-05	1.27E-08	3.73E-18
Std	1.45E-01	1.20E-01	9.69E-02	6.43E-02	1.22E-02	2.35E-04	3.61E-07	1.36E-16
ALL								
Min	1.30E-01	1.26E-01	1.18E-01	2.47E-02	3.23E-05	0.00E+00	0.00E+00	0.00E+00
Max	1.37E+00	1.20E+00	9.24E-01	3.94E-01	8.95E-02	5.94E-03	1.25E-05	5.27E-15
Avg	7.06E-01	5.95E-01	4.25E-01	1.42E-01	1.01E-02	2.63E-05	1.27E-08	3.73E-18
Std	1.45E-01	1.20E-01	9.69E-02	6.43E-02	1.22E-02	2.35E-04	3.61E-07	1.36E-16

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 TC-99.RAD

Probabilistic Dose vs Pathway(i): Meat (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
Tc-99								
Min	4.91E-04	4.76E-04	4.48E-04	1.02E-04	1.34E-07	0.00E+00	0.00E+00	0.00E+00
Max	4.69E-03	4.12E-03	3.19E-03	1.40E-03	3.50E-04	2.39E-05	4.72E-08	2.00E-17
Avg	2.97E-03	2.50E-03	1.79E-03	5.96E-04	4.23E-05	1.08E-07	5.02E-11	1.42E-20
Std	5.96E-04	4.91E-04	3.95E-04	2.67E-04	5.09E-05	9.54E-07	1.41E-09	5.16E-19
ALL								
Min	4.91E-04	4.76E-04	4.48E-04	1.02E-04	1.34E-07	0.00E+00	0.00E+00	0.00E+00
Max	4.69E-03	4.12E-03	3.19E-03	1.40E-03	3.50E-04	2.39E-05	4.72E-08	2.00E-17
Avg	2.97E-03	2.50E-03	1.79E-03	5.96E-04	4.23E-05	1.08E-07	5.02E-11	1.42E-20
Std	5.96E-04	4.91E-04	3.95E-04	2.67E-04	5.09E-05	9.54E-07	1.41E-09	5.16E-19

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 TC-99.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
Tc-99								
Min	3.05E-02	2.95E-02	2.78E-02	5.79E-03	7.57E-06	0.00E+00	0.00E+00	0.00E+00
Max	3.10E-01	2.72E-01	2.09E-01	9.24E-02	2.22E-02	1.44E-03	2.93E-06	1.24E-15
Avg	1.79E-01	1.51E-01	1.08E-01	3.59E-02	2.55E-03	6.56E-06	3.08E-09	8.82E-19
Std	4.17E-02	3.46E-02	2.71E-02	1.67E-02	3.11E-03	5.82E-05	8.67E-08	3.20E-17
ALL								
Min	3.05E-02	2.95E-02	2.78E-02	5.79E-03	7.57E-06	0.00E+00	0.00E+00	0.00E+00
Max	3.10E-01	2.72E-01	2.09E-01	9.24E-02	2.22E-02	1.44E-03	2.93E-06	1.24E-15
Avg	1.79E-01	1.51E-01	1.08E-01	3.59E-02	2.55E-03	6.56E-06	3.08E-09	8.82E-19
Std	4.17E-02	3.46E-02	2.71E-02	1.67E-02	3.11E-03	5.82E-05	8.67E-08	3.20E-17

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 TC-99.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	2.11E+00	1.86E+00	1.23E+00	1.99E-01	6.37E-04	1.11E-12	0.00E+00	0.00E+00
0.050	2.33E+00	2.01E+00	1.36E+00	2.34E-01	1.12E-03	8.59E-12	0.00E+00	0.00E+00
0.075	2.50E+00	2.11E+00	1.44E+00	2.78E-01	1.69E-03	2.78E-11	0.00E+00	0.00E+00
0.100	2.63E+00	2.18E+00	1.52E+00	3.10E-01	2.16E-03	6.75E-11	0.00E+00	0.00E+00
0.125	2.71E+00	2.27E+00	1.58E+00	3.32E-01	2.92E-03	1.78E-10	0.00E+00	0.00E+00
0.150	2.77E+00	2.33E+00	1.62E+00	3.56E-01	3.62E-03	3.35E-10	0.00E+00	0.00E+00
0.175	2.86E+00	2.40E+00	1.68E+00	3.81E-01	4.60E-03	8.30E-10	1.88E-29	0.00E+00
0.200	2.92E+00	2.48E+00	1.72E+00	4.07E-01	5.64E-03	1.68E-09	3.36E-28	0.00E+00
0.225	2.98E+00	2.55E+00	1.76E+00	4.28E-01	6.80E-03	3.22E-09	2.07E-27	0.00E+00
0.250	3.06E+00	2.61E+00	1.79E+00	4.60E-01	7.84E-03	4.82E-09	7.89E-27	0.00E+00
0.275	3.14E+00	2.66E+00	1.84E+00	4.79E-01	8.93E-03	7.83E-09	3.54E-26	0.00E+00
0.300	3.22E+00	2.71E+00	1.87E+00	5.00E-01	1.01E-02	1.20E-08	1.09E-25	0.00E+00
0.325	3.30E+00	2.76E+00	1.91E+00	5.29E-01	1.18E-02	1.78E-08	3.55E-25	0.00E+00
0.350	3.36E+00	2.82E+00	1.95E+00	5.49E-01	1.31E-02	2.77E-08	1.39E-24	0.00E+00
0.375	3.44E+00	2.87E+00	1.99E+00	5.70E-01	1.47E-02	3.96E-08	4.56E-24	0.00E+00
0.400	3.49E+00	2.91E+00	2.02E+00	5.94E-01	1.66E-02	5.81E-08	1.31E-23	0.00E+00
0.425	3.54E+00	2.97E+00	2.06E+00	6.14E-01	1.88E-02	8.71E-08	4.05E-23	0.00E+00
0.450	3.60E+00	3.01E+00	2.10E+00	6.37E-01	2.10E-02	1.27E-07	1.43E-22	0.00E+00
0.475	3.64E+00	3.06E+00	2.12E+00	6.64E-01	2.37E-02	1.78E-07	4.20E-22	0.00E+00
0.500	3.69E+00	3.10E+00	2.16E+00	6.87E-01	2.62E-02	2.88E-07	1.52E-21	0.00E+00
0.525	3.73E+00	3.14E+00	2.19E+00	7.15E-01	2.94E-02	4.22E-07	5.49E-21	0.00E+00
0.550	3.78E+00	3.17E+00	2.23E+00	7.48E-01	3.33E-02	5.66E-07	1.33E-20	0.00E+00
0.575	3.82E+00	3.20E+00	2.27E+00	7.71E-01	3.74E-02	8.30E-07	4.72E-20	0.00E+00
0.600	3.87E+00	3.23E+00	2.30E+00	7.90E-01	4.20E-02	1.36E-06	1.93E-19	0.00E+00
0.625	3.90E+00	3.26E+00	2.33E+00	8.14E-01	4.66E-02	1.99E-06	5.65E-19	0.00E+00
0.650	3.94E+00	3.29E+00	2.37E+00	8.47E-01	5.11E-02	2.70E-06	1.49E-18	0.00E+00
0.675	3.99E+00	3.32E+00	2.41E+00	8.82E-01	5.70E-02	3.81E-06	3.73E-18	0.00E+00
0.700	4.03E+00	3.37E+00	2.44E+00	9.09E-01	6.37E-02	5.15E-06	8.83E-18	0.00E+00
0.725	4.06E+00	3.41E+00	2.48E+00	9.39E-01	7.00E-02	6.80E-06	1.87E-17	0.00E+00
0.750	4.09E+00	3.45E+00	2.52E+00	9.76E-01	7.64E-02	1.03E-05	7.22E-17	0.00E+00
0.775	4.13E+00	3.48E+00	2.55E+00	1.03E+00	8.35E-02	1.31E-05	1.61E-16	0.00E+00
0.800	4.17E+00	3.51E+00	2.60E+00	1.07E+00	9.24E-02	1.76E-05	4.71E-16	0.00E+00
0.825	4.21E+00	3.55E+00	2.65E+00	1.10E+00	1.01E-01	2.39E-05	1.15E-15	0.00E+00
0.850	4.25E+00	3.59E+00	2.70E+00	1.15E+00	1.12E-01	3.24E-05	2.58E-15	0.00E+00
0.875	4.29E+00	3.63E+00	2.75E+00	1.18E+00	1.24E-01	5.10E-05	9.43E-15	0.00E+00
0.900	4.34E+00	3.67E+00	2.81E+00	1.22E+00	1.44E-01	8.53E-05	3.58E-14	0.00E+00
0.925	4.38E+00	3.75E+00	2.87E+00	1.28E+00	1.64E-01	1.34E-04	2.13E-13	0.00E+00
0.950	4.45E+00	3.84E+00	2.95E+00	1.36E+00	1.88E-01	2.62E-04	3.01E-12	0.00E+00
0.975	4.55E+00	3.95E+00	3.03E+00	1.45E+00	2.55E-01	1.05E-03	2.02E-10	0.00E+00
1.000	5.23E+00	4.60E+00	3.57E+00	1.70E+00	7.72E-01	8.85E-02	1.87E-04	8.03E-14

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA TC-99.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	1.45E+00	4.90E+00	3.56E+00	3.68E+00	4.33E+00	4.43E+00	4.56E+00	4.72E+00
1.00E+00	1.30E+00	4.14E+00	3.01E+00	3.10E+00	3.67E+00	3.82E+00	3.96E+00	4.05E+00
1.06E+00	1.29E+00	4.10E+00	2.98E+00	3.07E+00	3.63E+00	3.80E+00	3.92E+00	4.02E+00
1.12E+00	1.28E+00	4.06E+00	2.95E+00	3.03E+00	3.60E+00	3.77E+00	3.89E+00	3.98E+00
1.19E+00	1.27E+00	4.03E+00	2.91E+00	2.98E+00	3.57E+00	3.74E+00	3.85E+00	3.95E+00
1.25E+00	1.26E+00	4.00E+00	2.88E+00	2.95E+00	3.53E+00	3.71E+00	3.82E+00	3.91E+00
1.33E+00	1.25E+00	3.97E+00	2.85E+00	2.91E+00	3.50E+00	3.67E+00	3.78E+00	3.87E+00
1.40E+00	1.24E+00	3.94E+00	2.81E+00	2.87E+00	3.46E+00	3.64E+00	3.74E+00	3.83E+00
1.49E+00	1.23E+00	3.90E+00	2.77E+00	2.83E+00	3.43E+00	3.60E+00	3.69E+00	3.80E+00
1.57E+00	1.22E+00	3.86E+00	2.73E+00	2.78E+00	3.39E+00	3.56E+00	3.64E+00	3.75E+00
1.66E+00	1.21E+00	3.83E+00	2.69E+00	2.73E+00	3.35E+00	3.52E+00	3.59E+00	3.70E+00
1.76E+00	1.19E+00	3.79E+00	2.65E+00	2.69E+00	3.31E+00	3.47E+00	3.54E+00	3.64E+00
1.86E+00	1.18E+00	3.74E+00	2.60E+00	2.65E+00	3.26E+00	3.41E+00	3.49E+00	3.57E+00
1.97E+00	1.17E+00	3.70E+00	2.56E+00	2.60E+00	3.20E+00	3.36E+00	3.44E+00	3.52E+00
2.09E+00	1.15E+00	3.65E+00	2.51E+00	2.53E+00	3.16E+00	3.31E+00	3.39E+00	3.47E+00
2.21E+00	1.14E+00	3.60E+00	2.46E+00	2.48E+00	3.12E+00	3.26E+00	3.34E+00	3.43E+00
2.24E+00	1.12E+00	3.55E+00	2.41E+00	2.42E+00	3.07E+00	3.20E+00	3.29E+00	3.38E+00
2.27E+00	1.10E+00	3.50E+00	2.35E+00	2.36E+00	3.01E+00	3.15E+00	3.22E+00	3.33E+00
2.26E+00	1.08E+00	3.45E+00	2.30E+00	2.30E+00	2.96E+00	3.08E+00	3.16E+00	3.27E+00
2.27E+00	1.07E+00	3.39E+00	2.24E+00	2.24E+00	2.91E+00	3.03E+00	3.10E+00	3.22E+00
2.93E+00	1.05E+00	3.33E+00	2.18E+00	2.18E+00	2.85E+00	2.97E+00	3.03E+00	3.16E+00
3.00E+00	1.04E+00	3.31E+00	2.16E+00	2.15E+00	2.83E+00	2.94E+00	3.01E+00	3.14E+00
3.310E+00	1.03E+00	3.27E+00	2.12E+00	2.12E+00	2.79E+00	2.90E+00	2.97E+00	3.10E+00
3.328E+00	9.70E-01	3.20E+00	2.06E+00	2.04E+00	2.72E+00	2.83E+00	2.90E+00	3.04E+00
3.48E+00	9.12E-01	3.14E+00	2.00E+00	1.99E+00	2.66E+00	2.76E+00	2.83E+00	2.97E+00
3.68E+00	8.55E-01	3.07E+00	1.94E+00	1.93E+00	2.60E+00	2.69E+00	2.76E+00	2.91E+00
3.89E+00	7.98E-01	3.00E+00	1.87E+00	1.85E+00	2.53E+00	2.62E+00	2.69E+00	2.84E+00
4.12E+00	7.42E-01	2.93E+00	1.80E+00	1.79E+00	2.46E+00	2.54E+00	2.62E+00	2.77E+00
4.36E+00	6.87E-01	2.85E+00	1.74E+00	1.72E+00	2.39E+00	2.47E+00	2.55E+00	2.69E+00
4.61E+00	6.34E-01	2.77E+00	1.67E+00	1.65E+00	2.32E+00	2.40E+00	2.49E+00	2.61E+00
4.88E+00	5.81E-01	2.69E+00	1.60E+00	1.59E+00	2.26E+00	2.34E+00	2.42E+00	2.53E+00
5.17E+00	5.31E-01	2.61E+00	1.53E+00	1.51E+00	2.18E+00	2.28E+00	2.36E+00	2.46E+00
5.47E+00	4.82E-01	2.52E+00	1.46E+00	1.44E+00	2.10E+00	2.20E+00	2.30E+00	2.37E+00
5.78E+00	4.35E-01	2.44E+00	1.39E+00	1.36E+00	2.02E+00	2.12E+00	2.23E+00	2.28E+00
6.12E+00	3.91E-01	2.35E+00	1.32E+00	1.29E+00	1.94E+00	2.05E+00	2.17E+00	2.21E+00
6.48E+00	3.48E-01	2.26E+00	1.25E+00	1.22E+00	1.85E+00	1.98E+00	2.09E+00	2.13E+00
6.86E+00	3.09E-01	2.17E+00	1.18E+00	1.14E+00	1.77E+00	1.90E+00	2.01E+00	2.07E+00
7.26E+00	2.72E-01	2.08E+00	1.11E+00	1.07E+00	1.69E+00	1.83E+00	1.93E+00	2.02E+00
7.68E+00	2.37E-01	1.98E+00	1.04E+00	9.97E-01	1.61E+00	1.75E+00	1.84E+00	1.94E+00
8.13E+00	2.06E-01	1.92E+00	9.69E-01	9.31E-01	1.53E+00	1.67E+00	1.76E+00	1.88E+00
8.60E+00	1.77E-01	1.86E+00	9.03E-01	8.57E-01	1.45E+00	1.59E+00	1.68E+00	1.79E+00
9.10E+00	1.50E-01	1.80E+00	8.38E-01	7.91E-01	1.37E+00	1.51E+00	1.59E+00	1.70E+00
9.63E+00	1.27E-01	1.74E+00	7.75E-01	7.23E-01	1.29E+00	1.42E+00	1.53E+00	1.62E+00
1.00E+01	1.13E-01	1.70E+00	7.34E-01	6.79E-01	1.23E+00	1.36E+00	1.49E+00	1.58E+00
1.02E+01	1.06E-01	1.68E+00	7.14E-01	6.57E-01	1.21E+00	1.34E+00	1.47E+00	1.55E+00
1.08E+01	8.77E-02	1.62E+00	6.54E-01	5.99E-01	1.13E+00	1.26E+00	1.39E+00	1.48E+00
1.14E+01	7.17E-02	1.56E+00	5.98E-01	5.41E-01	1.05E+00	1.18E+00	1.31E+00	1.41E+00
1.21E+01	5.79E-02	1.50E+00	5.43E-01	4.88E-01	9.73E-01	1.10E+00	1.22E+00	1.35E+00
1.28E+01	4.62E-02	1.44E+00	4.92E-01	4.33E-01	9.10E-01	1.02E+00	1.14E+00	1.30E+00
1.35E+01	3.64E-02	1.38E+00	4.43E-01	3.82E-01	8.34E-01	9.43E-01	1.07E+00	1.25E+00
1.43E+01	2.83E-02	1.32E+00	3.97E-01	3.35E-01	7.63E-01	8.69E-01	1.00E+00	1.20E+00
1.51E+01	2.17E-02	1.26E+00	3.54E-01	2.92E-01	6.98E-01	7.98E-01	9.38E-01	1.14E+00
1.60E+01	1.63E-02	1.20E+00	3.14E-01	2.52E-01	6.29E-01	7.29E-01	8.77E-01	1.09E+00
1.70E+01	1.21E-02	1.13E+00	2.77E-01	2.21E-01	5.72E-01	6.61E-01	8.12E-01	1.04E+00
1.80E+01	8.82E-03	1.07E+00	2.43E-01	1.88E-01	5.11E-01	5.94E-01	7.42E-01	9.69E-01
1.90E+01	6.31E-03	1.01E+00	2.12E-01	1.58E-01	4.60E-01	5.34E-01	6.75E-01	9.01E-01

2.01E+01 4.42E-03 9.46E-01 1.83E-01 1.31E-01 4.07E-01 4.84E-01 6.10E-01 8.35E-01

2.13E+01 3.04E-03 8.85E-01 1.58E-01 1.09E-01 3.60E-01 4.37E-01 5.50E-01 7.69E-01

2.25E+01 2.04E-03 8.24E-01 1.35E-01 8.88E-02 3.12E-01 3.88E-01 4.95E-01 7.06E-01

2.38E+01 1.34E-03 7.64E-01 1.15E-01 7.16E-02 2.69E-01 3.39E-01 4.44E-01 6.44E-01

2.52E+01 8.60E-04 7.05E-01 9.71E-02 5.72E-02 2.32E-01 2.93E-01 3.95E-01 5.85E-01

2.67E+01 5.37E-04 6.48E-01 8.14E-02 4.49E-02 1.99E-01 2.51E-01 3.52E-01 5.29E-01

2.82E+01 3.26E-04 5.93E-01 6.78E-02 3.48E-02 1.74E-01 2.14E-01 3.15E-01 4.75E-01

2.99E+01 1.93E-04 5.39E-01 5.61E-02 2.69E-02 1.45E-01 1.81E-01 2.80E-01 4.23E-01

3.00E+01 1.86E-04 5.36E-01 5.53E-02 2.64E-02 1.43E-01 1.78E-01 2.78E-01 4.20E-01

3.16E+01 1.10E-04 4.88E-01 4.60E-02 2.06E-02 1.20E-01 1.51E-01 2.43E-01 3.75E-01

3.35E+01 6.11E-05 4.39E-01 3.75E-02 1.52E-02 9.92E-02 1.25E-01 2.12E-01 3.30E-01

3.54E+01 3.27E-05 3.92E-01 3.04E-02 1.10E-02 8.06E-02 1.03E-01 1.84E-01 2.92E-01

3.75E+01 1.69E-05 3.48E-01 2.44E-02 7.94E-03 6.45E-02 8.46E-02 1.59E-01 2.58E-01

3.97E+01 8.39E-06 3.08E-01 1.94E-02 5.59E-03 5.08E-02 6.85E-02 1.37E-01 2.26E-01

4.20E+01 4.00E-06 2.72E-01 1.54E-02 3.85E-03 3.96E-02 5.60E-02 1.17E-01 1.97E-01

4.44E+01 1.83E-06 2.38E-01 1.21E-02 2.59E-03 3.04E-02 4.56E-02 9.85E-02 1.70E-01

4.70E+01 7.98E-07 2.08E-01 9.42E-03 1.70E-03 2.30E-02 3.67E-02 8.08E-02 1.45E-01

4.97E+01 3.32E-07 1.79E-01 7.29E-03 1.09E-03 1.72E-02 2.90E-02 6.54E-02 1.23E-01

5.26E+01 1.31E-07 1.53E-01 5.60E-03 6.79E-04 1.27E-02 2.25E-02 5.24E-02 1.03E-01

5.57E+01 4.80E-08 1.30E-01 4.27E-03 4.14E-04 9.16E-03 1.73E-02 4.14E-02 8.58E-02

5.90E+01 1.66E-08 1.09E-01 3.24E-03 2.42E-04 6.49E-03 1.30E-02 3.26E-02 7.06E-02

6.24E+01 5.37E-09 9.10E-02 2.43E-03 1.38E-04 4.51E-03 9.40E-03 2.54E-02 5.74E-02

60E+01 1.63E-09 7.49E-02 1.81E-03 7.58E-05 3.06E-03 6.64E-03 1.95E-02 4.61E-02

99E+01 4.62E-10 6.10E-02 1.34E-03 4.06E-05 2.02E-03 4.60E-03 1.47E-02 3.65E-02

7.39E+01 1.22E-10 4.90E-02 9.85E-04 2.10E-05 1.30E-03 3.12E-03 1.10E-02 2.86E-02

7.82E+01 2.96E-11 3.89E-02 7.17E-04 1.05E-05 8.14E-04 2.07E-03 8.00E-03 2.20E-02

8.28E+01 6.65E-12 3.05E-02 5.16E-04 5.05E-06 4.97E-04 1.34E-03 5.65E-03 1.67E-02

8.76E+01 1.37E-12 2.35E-02 3.68E-04 2.29E-06 2.99E-04 8.46E-04 3.90E-03 1.25E-02

9.27E+01 2.56E-13 1.79E-02 2.59E-04 9.95E-07 1.76E-04 5.20E-04 2.64E-03 9.19E-03

9.81E+01 4.36E-14 1.34E-02 1.81E-04 4.12E-07 9.97E-05 3.11E-04 1.74E-03 6.61E-03

1.00E+02 2.36E-14 1.21E-02 1.60E-04 3.04E-07 8.13E-05 2.60E-04 1.51E-03 5.88E-03

1.04E+02 6.69E-15 9.87E-03 1.24E-04 1.62E-07 5.34E-05 1.80E-04 1.12E-03 4.61E-03

1.10E+02 9.20E-16 7.14E-03 8.40E-05 6.05E-08 2.76E-05 1.01E-04 7.04E-04 3.17E-03

1.16E+02 1.13E-16 5.07E-03 5.59E-05 2.14E-08 1.37E-05 5.50E-05 4.30E-04 2.20E-03

1.23E+02 1.22E-17 3.53E-03 3.66E-05 7.15E-09 6.53E-06 2.89E-05 2.57E-04 1.47E-03

1.30E+02 1.16E-18 2.40E-03 2.34E-05 2.24E-09 2.98E-06 1.46E-05 1.49E-04 9.56E-04

1.38E+02 9.67E-20 1.60E-03 1.47E-05 6.54E-10 1.30E-06 7.07E-06 8.39E-05 6.05E-04

1.46E+02 6.95E-21 1.04E-03 9.05E-06 1.78E-10 5.42E-07 3.30E-06 4.57E-05 3.72E-04

1.54E+02 4.29E-22 6.60E-04 5.42E-06 4.49E-11 2.14E-07 1.51E-06 2.40E-05 2.23E-04

1.63E+02 2.25E-23 4.07E-04 3.17E-06 1.04E-11 8.09E-08 6.59E-07 1.21E-05 1.30E-04

1.73E+02 9.91E-25 2.45E-04 1.80E-06 2.29E-12 2.89E-08 2.74E-07 5.89E-06 7.30E-05

1.83E+02 3.65E-26 1.43E-04 9.95E-07 4.48E-13 9.68E-09 1.09E-07 2.75E-06 3.98E-05

1.94E+02 1.11E-27 8.06E-05 5.32E-07 7.94E-14 3.00E-09 4.10E-08 1.22E-06 2.09E-05

2.05E+02 2.64E-29 4.41E-05 2.76E-07 1.27E-14 8.72E-10 1.45E-08 5.20E-07 1.06E-05

2.17E+02 0.00E+00 2.32E-05 1.38E-07 1.81E-15 2.39E-10 4.85E-09 2.10E-07 5.15E-06

2.29E+02 0.00E+00 1.18E-05 6.63E-08 2.30E-16 6.07E-11 1.52E-09 8.06E-08 2.40E-06

2.43E+02 0.00E+00 5.77E-06 3.07E-08 2.59E-17 1.38E-11 4.44E-10 2.92E-08 1.07E-06

2.57E+02 0.00E+00 2.71E-06 1.36E-08 2.57E-18 2.97E-12 1.21E-10 1.00E-08 4.57E-07

2.72E+02 0.00E+00 1.21E-06 5.78E-09 2.20E-19 5.82E-13 3.05E-11 3.21E-09 1.85E-07

2.88E+02 0.00E+00 5.19E-07 2.34E-09 1.67E-20 1.04E-13 7.12E-12 9.64E-10 7.14E-08

3.00E+02 0.00E+00 2.69E-07 1.16E-09 2.26E-21 2.74E-14 2.31E-12 3.80E-10 3.42E-08

3.05E+02 0.00E+00 2.12E-07 9.01E-10 1.08E-21 1.67E-14 1.52E-12 2.69E-10 2.61E-08

3.22E+02 0.00E+00 8.18E-08 3.29E-10 5.96E-23 2.40E-15 2.98E-13 6.90E-11 8.97E-09

3.41E+02 0.00E+00 2.99E-08 1.14E-10 2.77E-24 3.05E-16 5.31E-14 1.64E-11 2.90E-09

3.61E+02 0.00E+00 1.03E-08 3.73E-11 1.08E-25 3.44E-17 8.56E-15 3.58E-12 8.79E-10

3.82E+02 0.00E+00 3.35E-09 1.15E-11 3.48E-27 3.41E-18 1.24E-15 7.15E-13 2.48E-10

4.04E+02 0.00E+00 1.02E-09 3.31E-12 9.15E-29 2.96E-19 1.60E-16 1.30E-13 6.52E-11

4.28E+02 0.00E+00 2.88E-10 8.92E-13 0.00E+00 2.23E-20 1.84E-17 2.15E-14 1.58E-11

4.53E+02 0.00E+00 7.57E-11 2.24E-13 0.00E+00 1.44E-21 1.87E-18 3.18E-15 3.54E-12

4.79E+02 0.00E+00 1.84E-11 5.21E-14 0.00E+00 7.94E-23 1.66E-19 4.19E-16 7.24E-13

5.07E+02 0.00E+00 4.14E-12 1.12E-14 0.00E+00 3.69E-24 1.28E-20 4.90E-17 1.35E-13

5.36E+02 0.00E+00 8.50E-13 2.22E-15 0.00E+00 1.44E-25 8.45E-22 5.05E-18 2.29E-14

5.68E+02 0.00E+00 1.59E-13 4.00E-16 0.00E+00 4.63E-27 4.63E-23 4.54E-19 3.49E-15

0.01E+02 0.00E+00 2.71E-14 6.59E-17 0.00E+00 1.22E-28 2.15E-24 3.55E-20 4.78E-16

6.36E+02 0.00E+00 4.16E-15 9.81E-18 0.00E+00 1.03E-30 8.31E-26 2.39E-21 5.82E-17

6.73E+02 0.00E+00 5.71E-16 1.31E-18 0.00E+00 0.00E+00 2.66E-27 1.37E-22 6.27E-18

7.12E+02 0.00E+00 7.00E-17 1.57E-19 0.00E+00 0.00E+00 6.97E-29 6.69E-24 5.93E-19

7.53E+02 0.00E+00 7.58E-18 1.67E-20 0.00E+00 0.00E+00 0.00E+00 2.73E-25 4.89E-20

7.97E+02 0.00E+00 7.22E-19 1.56E-21 0.00E+00 0.00E+00 0.00E+00 9.24E-27 3.49E-21

8.44E+02 0.00E+00 6.00E-20 1.28E-22 0.00E+00 0.00E+00 0.00E+00 2.56E-28 2.13E-22

93E+02 0.00E+00 4.31E-21 9.05E-24 0.00E+00 0.00E+00 0.00E+00 4.50E-30 1.09E-23

9.45E+02 0.00E+00 2.65E-22 5.52E-25 0.00E+00 0.00E+00 0.00E+00 0.00E+00 4.69E-25

1.00E+03 0.00E+00 1.39E-23 2.87E-26 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.68E-26

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA TC-99.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	1.36E+00	5.23E+00	3.56E+00	3.70E+00	4.36E+00	4.46E+00	4.55E+00	4.69E+00
1.00E+00	1.28E+00	4.60E+00	3.01E+00	3.12E+00	3.67E+00	3.85E+00	3.94E+00	4.08E+00
1.06E+00	1.27E+00	4.57E+00	2.98E+00	3.09E+00	3.64E+00	3.82E+00	3.91E+00	4.05E+00
1.12E+00	1.27E+00	4.53E+00	2.95E+00	3.05E+00	3.60E+00	3.79E+00	3.87E+00	4.01E+00
1.19E+00	1.26E+00	4.50E+00	2.91E+00	3.02E+00	3.56E+00	3.76E+00	3.84E+00	3.97E+00
1.25E+00	1.26E+00	4.46E+00	2.88E+00	2.98E+00	3.53E+00	3.73E+00	3.80E+00	3.94E+00
1.33E+00	1.25E+00	4.42E+00	2.85E+00	2.94E+00	3.50E+00	3.69E+00	3.76E+00	3.90E+00
1.40E+00	1.25E+00	4.37E+00	2.81E+00	2.89E+00	3.46E+00	3.66E+00	3.72E+00	3.85E+00
1.49E+00	1.24E+00	4.33E+00	2.77E+00	2.84E+00	3.43E+00	3.62E+00	3.69E+00	3.81E+00
1.57E+00	1.23E+00	4.28E+00	2.73E+00	2.79E+00	3.39E+00	3.58E+00	3.65E+00	3.76E+00
1.66E+00	1.23E+00	4.23E+00	2.69E+00	2.74E+00	3.35E+00	3.53E+00	3.61E+00	3.72E+00
1.76E+00	1.22E+00	4.18E+00	2.65E+00	2.70E+00	3.30E+00	3.47E+00	3.57E+00	3.67E+00
1.86E+00	1.21E+00	4.12E+00	2.60E+00	2.66E+00	3.26E+00	3.42E+00	3.52E+00	3.61E+00
1.97E+00	1.20E+00	4.07E+00	2.56E+00	2.60E+00	3.21E+00	3.38E+00	3.47E+00	3.56E+00
2.09E+00	1.20E+00	4.01E+00	2.51E+00	2.54E+00	3.16E+00	3.33E+00	3.43E+00	3.51E+00
2.21E+00	1.19E+00	3.95E+00	2.46E+00	2.48E+00	3.10E+00	3.28E+00	3.37E+00	3.46E+00
2.24E+00	1.18E+00	3.88E+00	2.41E+00	2.43E+00	3.05E+00	3.22E+00	3.33E+00	3.41E+00
2.27E+00	1.17E+00	3.82E+00	2.35E+00	2.38E+00	3.00E+00	3.16E+00	3.27E+00	3.36E+00
2.26E+00	1.16E+00	3.75E+00	2.30E+00	2.31E+00	2.94E+00	3.12E+00	3.21E+00	3.31E+00
2.27E+00	1.12E+00	3.67E+00	2.24E+00	2.26E+00	2.88E+00	3.06E+00	3.14E+00	3.25E+00
2.93E+00	1.06E+00	3.60E+00	2.18E+00	2.19E+00	2.82E+00	3.00E+00	3.08E+00	3.20E+00
3.00E+00	1.04E+00	3.57E+00	2.16E+00	2.17E+00	2.80E+00	2.97E+00	3.05E+00	3.17E+00
3.31E+00	1.01E+00	3.52E+00	2.12E+00	2.13E+00	2.76E+00	2.94E+00	3.01E+00	3.14E+00
3.32E+00	9.49E-01	3.44E+00	2.06E+00	2.06E+00	2.69E+00	2.88E+00	2.95E+00	3.08E+00
3.48E+00	8.92E-01	3.36E+00	2.00E+00	2.00E+00	2.62E+00	2.81E+00	2.89E+00	3.01E+00
3.68E+00	8.35E-01	3.27E+00	1.94E+00	1.93E+00	2.55E+00	2.74E+00	2.81E+00	2.95E+00
3.89E+00	7.79E-01	3.19E+00	1.87E+00	1.87E+00	2.48E+00	2.67E+00	2.75E+00	2.88E+00
4.12E+00	7.23E-01	3.12E+00	1.80E+00	1.80E+00	2.42E+00	2.60E+00	2.68E+00	2.81E+00
4.36E+00	6.68E-01	3.05E+00	1.74E+00	1.72E+00	2.35E+00	2.52E+00	2.62E+00	2.73E+00
4.61E+00	6.15E-01	2.98E+00	1.67E+00	1.65E+00	2.28E+00	2.44E+00	2.54E+00	2.66E+00
4.88E+00	5.64E-01	2.89E+00	1.60E+00	1.57E+00	2.21E+00	2.35E+00	2.46E+00	2.58E+00
5.17E+00	5.14E-01	2.80E+00	1.53E+00	1.50E+00	2.14E+00	2.26E+00	2.39E+00	2.52E+00
5.47E+00	4.66E-01	2.70E+00	1.46E+00	1.42E+00	2.07E+00	2.17E+00	2.31E+00	2.44E+00
5.78E+00	4.20E-01	2.60E+00	1.39E+00	1.35E+00	1.99E+00	2.10E+00	2.23E+00	2.35E+00
6.12E+00	3.76E-01	2.50E+00	1.31E+00	1.28E+00	1.91E+00	2.02E+00	2.15E+00	2.26E+00
6.48E+00	3.35E-01	2.40E+00	1.24E+00	1.21E+00	1.83E+00	1.93E+00	2.07E+00	2.16E+00
6.86E+00	2.96E-01	2.29E+00	1.17E+00	1.14E+00	1.76E+00	1.86E+00	1.99E+00	2.08E+00
7.26E+00	2.60E-01	2.18E+00	1.10E+00	1.07E+00	1.69E+00	1.78E+00	1.92E+00	2.01E+00
7.68E+00	2.26E-01	2.07E+00	1.04E+00	1.00E+00	1.60E+00	1.70E+00	1.84E+00	1.93E+00
8.13E+00	1.95E-01	1.97E+00	9.68E-01	9.39E-01	1.51E+00	1.63E+00	1.75E+00	1.85E+00
8.60E+00	1.67E-01	1.89E+00	9.01E-01	8.69E-01	1.43E+00	1.55E+00	1.66E+00	1.75E+00
9.10E+00	1.42E-01	1.81E+00	8.37E-01	8.02E-01	1.35E+00	1.47E+00	1.58E+00	1.69E+00
9.63E+00	1.20E-01	1.73E+00	7.74E-01	7.40E-01	1.27E+00	1.39E+00	1.50E+00	1.61E+00
1.00E+01	1.06E-01	1.68E+00	7.33E-01	6.98E-01	1.21E+00	1.35E+00	1.45E+00	1.56E+00
1.02E+01	9.96E-02	1.65E+00	7.13E-01	6.77E-01	1.18E+00	1.33E+00	1.42E+00	1.53E+00
1.08E+01	8.20E-02	1.57E+00	6.54E-01	6.14E-01	1.10E+00	1.24E+00	1.34E+00	1.44E+00
1.14E+01	6.68E-02	1.49E+00	5.97E-01	5.55E-01	1.03E+00	1.17E+00	1.25E+00	1.36E+00
1.21E+01	5.38E-02	1.41E+00	5.43E-01	4.96E-01	9.62E-01	1.09E+00	1.18E+00	1.29E+00
1.28E+01	4.27E-02	1.33E+00	4.92E-01	4.43E-01	8.97E-01	1.02E+00	1.10E+00	1.22E+00
1.35E+01	3.35E-02	1.27E+00	4.43E-01	3.96E-01	8.26E-01	9.40E-01	1.03E+00	1.16E+00
1.43E+01	2.59E-02	1.24E+00	3.97E-01	3.48E-01	7.66E-01	8.79E-01	9.48E-01	1.10E+00
1.51E+01	1.97E-02	1.21E+00	3.54E-01	3.03E-01	7.05E-01	8.05E-01	8.76E-01	1.04E+00
1.60E+01	1.48E-02	1.18E+00	3.14E-01	2.61E-01	6.48E-01	7.31E-01	8.00E-01	9.85E-01
1.70E+01	1.09E-02	1.14E+00	2.77E-01	2.24E-01	5.82E-01	6.60E-01	7.39E-01	9.25E-01
1.80E+01	7.90E-03	1.11E+00	2.43E-01	1.92E-01	5.18E-01	6.01E-01	6.74E-01	8.63E-01
1.90E+01	5.62E-03	1.07E+00	2.12E-01	1.62E-01	4.63E-01	5.36E-01	6.15E-01	8.05E-01

2.01E+01 3.92E-03 1.04E+00 1.84E-01 1.34E-01 4.12E-01 4.83E-01 5.60E-01 7.49E-01

2.13E+01 2.68E-03 1.00E+00 1.58E-01 1.12E-01 3.64E-01 4.35E-01 5.07E-01 6.93E-01

2.25E+01 1.79E-03 9.64E-01 1.36E-01 9.15E-02 3.17E-01 3.84E-01 4.57E-01 6.38E-01

2.38E+01 1.17E-03 9.25E-01 1.15E-01 7.33E-02 2.73E-01 3.40E-01 4.13E-01 5.85E-01

2.52E+01 7.45E-04 8.87E-01 9.74E-02 5.80E-02 2.39E-01 2.96E-01 3.73E-01 5.33E-01

2.67E+01 4.62E-04 8.47E-01 8.18E-02 4.54E-02 2.10E-01 2.57E-01 3.33E-01 4.84E-01

2.82E+01 2.79E-04 8.08E-01 6.81E-02 3.52E-02 1.76E-01 2.22E-01 2.92E-01 4.36E-01

2.99E+01 1.63E-04 7.68E-01 5.64E-02 2.69E-02 1.47E-01 1.93E-01 2.53E-01 3.91E-01

3.00E+01 1.57E-04 7.65E-01 5.56E-02 2.63E-02 1.46E-01 1.91E-01 2.51E-01 3.88E-01

3.16E+01 9.27E-05 7.28E-01 4.63E-02 2.01E-02 1.23E-01 1.64E-01 2.19E-01 3.48E-01

3.35E+01 5.09E-05 6.88E-01 3.78E-02 1.47E-02 1.01E-01 1.38E-01 1.90E-01 3.08E-01

3.54E+01 2.70E-05 6.48E-01 3.06E-02 1.07E-02 8.25E-02 1.15E-01 1.64E-01 2.70E-01

3.75E+01 1.38E-05 6.08E-01 2.46E-02 7.63E-03 6.64E-02 9.47E-02 1.40E-01 2.36E-01

3.97E+01 6.79E-06 5.68E-01 1.96E-02 5.36E-03 5.26E-02 7.73E-02 1.21E-01 2.04E-01

4.20E+01 3.17E-06 5.29E-01 1.56E-02 3.69E-03 4.10E-02 6.19E-02 1.04E-01 1.75E-01

4.44E+01 1.41E-06 4.91E-01 1.23E-02 2.48E-03 3.15E-02 5.00E-02 8.79E-02 1.49E-01

4.70E+01 5.99E-07 4.53E-01 9.60E-03 1.65E-03 2.38E-02 3.93E-02 7.37E-02 1.25E-01

4.97E+01 2.42E-07 4.16E-01 7.47E-03 1.07E-03 1.78E-02 3.03E-02 6.01E-02 1.04E-01

5.26E+01 9.25E-08 3.81E-01 5.78E-03 6.69E-04 1.31E-02 2.30E-02 4.81E-02 8.59E-02

5.57E+01 3.35E-08 3.47E-01 4.45E-03 4.07E-04 9.69E-03 1.71E-02 3.80E-02 7.01E-02

5.90E+01 1.14E-08 3.14E-01 3.41E-03 2.39E-04 6.94E-03 1.25E-02 2.96E-02 5.65E-02

6.24E+01 3.66E-09 2.82E-01 2.61E-03 1.35E-04 4.80E-03 8.94E-03 2.28E-02 4.55E-02

60E+01 1.10E-09 2.52E-01 1.99E-03 7.48E-05 3.26E-03 6.38E-03 1.72E-02 3.61E-02

99E+01 0.00E+00 2.24E-01 1.52E-03 3.99E-05 2.16E-03 4.45E-03 1.29E-02 2.79E-02

7.39E+01 0.00E+00 1.98E-01 1.16E-03 2.05E-05 1.43E-03 3.02E-03 9.45E-03 2.12E-02

7.82E+01 0.00E+00 1.73E-01 8.82E-04 1.01E-05 9.17E-04 2.00E-03 6.88E-03 1.58E-02

8.28E+01 0.00E+00 1.50E-01 6.73E-04 4.82E-06 5.64E-04 1.30E-03 4.91E-03 1.16E-02

8.76E+01 0.00E+00 1.30E-01 5.15E-04 2.19E-06 3.33E-04 8.19E-04 3.41E-03 8.39E-03

9.27E+01 0.00E+00 1.11E-01 3.95E-04 9.51E-07 1.91E-04 5.03E-04 2.31E-03 5.95E-03

9.81E+01 0.00E+00 9.38E-02 3.03E-04 3.93E-07 1.06E-04 3.04E-04 1.53E-03 4.15E-03

1.00E+02 0.00E+00 8.85E-02 2.78E-04 2.89E-07 8.64E-05 2.57E-04 1.32E-03 3.67E-03

1.04E+02 0.00E+00 7.86E-02 2.33E-04 1.53E-07 5.71E-05 1.82E-04 9.87E-04 2.84E-03

1.10E+02 0.00E+00 6.53E-02 1.80E-04 5.66E-08 3.00E-05 1.06E-04 6.22E-04 1.90E-03

1.16E+02 0.00E+00 5.36E-02 1.38E-04 1.99E-08 1.52E-05 5.95E-05 3.82E-04 1.24E-03

1.23E+02 0.00E+00 4.35E-02 1.06E-04 6.64E-09 7.43E-06 3.24E-05 2.28E-04 7.88E-04

1.30E+02 0.00E+00 3.49E-02 8.16E-05 2.08E-09 3.47E-06 1.70E-05 1.34E-04 4.90E-04

1.38E+02 0.00E+00 2.76E-02 6.22E-05 6.05E-10 1.55E-06 8.60E-06 7.59E-05 3.08E-04

1.46E+02 0.00E+00 2.16E-02 4.72E-05 1.64E-10 6.63E-07 4.17E-06 4.17E-05 1.87E-04

1.54E+02 0.00E+00 1.66E-02 3.55E-05 4.10E-11 2.69E-07 1.94E-06 2.21E-05 1.07E-04

1.63E+02 0.00E+00 1.26E-02 2.64E-05 9.44E-12 1.04E-07 8.64E-07 1.13E-05 5.91E-05

1.73E+02 0.00E+00 9.38E-03 1.94E-05 1.99E-12 3.78E-08 3.67E-07 5.58E-06 3.15E-05

1.83E+02 0.00E+00 6.88E-03 1.41E-05 3.85E-13 1.31E-08 1.48E-07 2.63E-06 1.62E-05

1.94E+02 0.00E+00 4.95E-03 1.01E-05 6.76E-14 4.24E-09 5.68E-08 1.19E-06 8.02E-06

2.05E+02 0.00E+00 3.50E-03 7.08E-06 1.07E-14 1.33E-09 2.05E-08 5.14E-07 3.81E-06

2.17E+02 0.00E+00 2.42E-03 4.88E-06 1.53E-15 3.82E-10 7.00E-09 2.11E-07 1.73E-06

2.29E+02 0.00E+00 1.64E-03 3.30E-06 1.94E-16 9.96E-11 2.24E-09 8.36E-08 7.52E-07

2.43E+02 0.00E+00 1.09E-03 2.18E-06 2.19E-17 2.40E-11 6.71E-10 3.15E-08 3.11E-07

2.57E+02 0.00E+00 7.03E-04 1.41E-06 2.20E-18 5.34E-12 1.87E-10 1.12E-08 1.22E-07

2.72E+02 0.00E+00 4.43E-04 8.88E-07 1.95E-19 1.08E-12 4.83E-11 3.74E-09 4.54E-08

2.88E+02 0.00E+00 2.72E-04 5.45E-07 1.48E-20 2.01E-13 1.15E-11 1.17E-09 1.60E-08

3.00E+02 0.00E+00 1.87E-04 3.73E-07 2.00E-21 5.46E-14 3.76E-12 4.78E-10 7.10E-09

3.05E+02 0.00E+00 1.62E-04 3.25E-07 9.59E-22 3.38E-14 2.48E-12 3.44E-10 5.27E-09

3.22E+02 0.00E+00 9.40E-05 1.88E-07 5.31E-23 5.11E-15 4.83E-13 9.38E-11 1.63E-09

3.41E+02 0.00E+00 5.27E-05 1.05E-07 2.49E-24 6.93E-16 8.54E-14 2.37E-11 4.72E-10

3.61E+02 0.00E+00 2.86E-05 5.72E-08 9.74E-26 8.36E-17 1.36E-14 5.52E-12 1.27E-10

3.82E+02 0.00E+00 1.50E-05 2.99E-08 3.16E-27 8.91E-18 1.94E-15 1.18E-12 3.16E-11

4.04E+02 0.00E+00 7.54E-06 1.51E-08 8.37E-29 8.33E-19 2.47E-16 2.31E-13 7.25E-12

4.28E+02 0.00E+00 3.65E-06 7.30E-09 0.00E+00 6.78E-20 2.80E-17 4.11E-14 1.51E-12

4.53E+02 0.00E+00 1.69E-06 3.39E-09 0.00E+00 4.77E-21 2.92E-18 6.58E-15 2.86E-13

4.79E+02 0.00E+00 7.52E-07 1.50E-09 0.00E+00 2.95E-22 2.53E-19 9.47E-16 4.92E-14

5.07E+02 0.00E+00 3.18E-07 6.36E-10 0.00E+00 1.59E-23 1.90E-20 1.22E-16 7.62E-15

5.36E+02 0.00E+00 1.28E-07 2.56E-10 0.00E+00 6.78E-25 1.23E-21 1.38E-17 1.06E-15

5.68E+02 0.00E+00 4.89E-08 9.78E-11 0.00E+00 2.41E-26 6.76E-23 1.38E-18 1.31E-16

0.01E+02 0.00E+00 1.77E-08 3.53E-11 0.00E+00 7.02E-28 3.14E-24 1.17E-19 1.44E-17

6.36E+02 0.00E+00 6.01E-09 1.20E-11 0.00E+00 1.51E-29 1.22E-25 8.59E-21 1.39E-18

6.73E+02 0.00E+00 1.92E-09 3.84E-12 0.00E+00 0.00E+00 3.94E-27 5.43E-22 1.17E-19

7.12E+02 0.00E+00 5.74E-10 1.15E-12 0.00E+00 0.00E+00 1.03E-28 2.91E-23 8.51E-21

7.53E+02 0.00E+00 1.60E-10 3.20E-13 0.00E+00 0.00E+00 1.01E-30 1.31E-24 5.32E-22

7.97E+02 0.00E+00 4.13E-11 8.27E-14 0.00E+00 0.00E+00 0.00E+00 4.89E-26 2.83E-23

8.44E+02 0.00E+00 9.88E-12 1.98E-14 0.00E+00 0.00E+00 0.00E+00 1.51E-27 1.27E-24

93E+02 0.00E+00 2.17E-12 4.35E-15 0.00E+00 0.00E+00 0.00E+00 3.75E-29 4.76E-26

9.45E+02 0.00E+00 4.38E-13 8.75E-16 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.47E-27

1.00E+03 0.00E+00 8.03E-14 1.61E-16 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 3.71E-29

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA TC-99.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	1.13E+00	4.87E+00	3.56E+00	3.69E+00	4.33E+00	4.47E+00	4.55E+00	4.66E+00
1.00E+00	1.07E+00	4.16E+00	3.00E+00	3.09E+00	3.69E+00	3.83E+00	3.99E+00	4.06E+00
1.06E+00	1.07E+00	4.13E+00	2.98E+00	3.06E+00	3.66E+00	3.80E+00	3.96E+00	4.03E+00
1.12E+00	1.07E+00	4.10E+00	2.95E+00	3.02E+00	3.62E+00	3.77E+00	3.92E+00	3.99E+00
1.19E+00	1.06E+00	4.07E+00	2.91E+00	2.98E+00	3.59E+00	3.74E+00	3.88E+00	3.95E+00
1.25E+00	1.06E+00	4.04E+00	2.88E+00	2.93E+00	3.55E+00	3.70E+00	3.85E+00	3.92E+00
1.33E+00	1.06E+00	4.01E+00	2.84E+00	2.89E+00	3.52E+00	3.67E+00	3.81E+00	3.89E+00
1.40E+00	1.05E+00	3.98E+00	2.81E+00	2.86E+00	3.48E+00	3.63E+00	3.77E+00	3.85E+00
1.49E+00	1.05E+00	3.94E+00	2.77E+00	2.83E+00	3.44E+00	3.59E+00	3.72E+00	3.82E+00
1.57E+00	1.04E+00	3.90E+00	2.73E+00	2.78E+00	3.40E+00	3.56E+00	3.68E+00	3.78E+00
1.66E+00	1.04E+00	3.86E+00	2.69E+00	2.74E+00	3.35E+00	3.52E+00	3.63E+00	3.74E+00
1.76E+00	1.03E+00	3.82E+00	2.65E+00	2.69E+00	3.30E+00	3.48E+00	3.58E+00	3.70E+00
1.86E+00	1.03E+00	3.77E+00	2.60E+00	2.64E+00	3.25E+00	3.43E+00	3.53E+00	3.65E+00
1.97E+00	1.02E+00	3.73E+00	2.56E+00	2.59E+00	3.20E+00	3.39E+00	3.49E+00	3.61E+00
2.09E+00	1.02E+00	3.68E+00	2.51E+00	2.54E+00	3.16E+00	3.34E+00	3.44E+00	3.56E+00
2.21E+00	1.01E+00	3.63E+00	2.46E+00	2.49E+00	3.10E+00	3.29E+00	3.38E+00	3.51E+00
2.24E+00	1.01E+00	3.58E+00	2.41E+00	2.43E+00	3.05E+00	3.23E+00	3.33E+00	3.46E+00
2.27E+00	9.99E-01	3.52E+00	2.35E+00	2.38E+00	3.00E+00	3.18E+00	3.27E+00	3.40E+00
2.26E+00	9.92E-01	3.47E+00	2.30E+00	2.32E+00	2.95E+00	3.12E+00	3.21E+00	3.35E+00
2.27E+00	9.84E-01	3.41E+00	2.24E+00	2.26E+00	2.90E+00	3.06E+00	3.16E+00	3.29E+00
2.29E+00	9.77E-01	3.35E+00	2.18E+00	2.19E+00	2.83E+00	2.99E+00	3.10E+00	3.23E+00
3.00E+00	9.73E-01	3.32E+00	2.16E+00	2.17E+00	2.80E+00	2.96E+00	3.08E+00	3.21E+00
3.310E+00	9.69E-01	3.28E+00	2.12E+00	2.13E+00	2.77E+00	2.92E+00	3.04E+00	3.17E+00
3.328E+00	9.38E-01	3.22E+00	2.06E+00	2.06E+00	2.71E+00	2.85E+00	2.97E+00	3.10E+00
3.48E+00	8.83E-01	3.15E+00	2.00E+00	1.99E+00	2.64E+00	2.78E+00	2.90E+00	3.03E+00
3.68E+00	8.29E-01	3.08E+00	1.93E+00	1.93E+00	2.57E+00	2.72E+00	2.83E+00	2.96E+00
3.89E+00	7.75E-01	3.00E+00	1.87E+00	1.86E+00	2.51E+00	2.64E+00	2.75E+00	2.89E+00
4.12E+00	7.21E-01	2.93E+00	1.80E+00	1.79E+00	2.43E+00	2.57E+00	2.68E+00	2.82E+00
4.36E+00	6.69E-01	2.85E+00	1.73E+00	1.72E+00	2.37E+00	2.50E+00	2.60E+00	2.74E+00
4.61E+00	6.17E-01	2.77E+00	1.67E+00	1.65E+00	2.30E+00	2.43E+00	2.53E+00	2.66E+00
4.88E+00	5.67E-01	2.69E+00	1.60E+00	1.58E+00	2.23E+00	2.36E+00	2.46E+00	2.58E+00
5.17E+00	5.19E-01	2.60E+00	1.53E+00	1.51E+00	2.16E+00	2.27E+00	2.38E+00	2.50E+00
5.47E+00	4.72E-01	2.51E+00	1.46E+00	1.43E+00	2.08E+00	2.19E+00	2.31E+00	2.42E+00
5.78E+00	4.27E-01	2.43E+00	1.39E+00	1.36E+00	2.00E+00	2.11E+00	2.23E+00	2.34E+00
6.12E+00	3.84E-01	2.34E+00	1.31E+00	1.29E+00	1.93E+00	2.04E+00	2.16E+00	2.25E+00
6.48E+00	3.43E-01	2.24E+00	1.24E+00	1.21E+00	1.84E+00	1.96E+00	2.07E+00	2.17E+00
6.86E+00	3.05E-01	2.15E+00	1.17E+00	1.14E+00	1.75E+00	1.88E+00	1.98E+00	2.08E+00
7.26E+00	2.69E-01	2.06E+00	1.10E+00	1.07E+00	1.69E+00	1.80E+00	1.89E+00	1.99E+00
7.68E+00	2.35E-01	1.98E+00	1.03E+00	9.94E-01	1.62E+00	1.73E+00	1.82E+00	1.90E+00
8.13E+00	2.04E-01	1.89E+00	9.67E-01	9.25E-01	1.53E+00	1.66E+00	1.74E+00	1.82E+00
8.60E+00	1.76E-01	1.81E+00	9.00E-01	8.54E-01	1.45E+00	1.58E+00	1.65E+00	1.73E+00
9.10E+00	1.50E-01	1.73E+00	8.36E-01	7.84E-01	1.37E+00	1.50E+00	1.58E+00	1.64E+00
9.63E+00	1.27E-01	1.64E+00	7.72E-01	7.19E-01	1.29E+00	1.42E+00	1.51E+00	1.56E+00
1.00E+01	1.13E-01	1.58E+00	7.31E-01	6.79E-01	1.23E+00	1.37E+00	1.45E+00	1.51E+00
1.02E+01	1.07E-01	1.55E+00	7.11E-01	6.58E-01	1.20E+00	1.35E+00	1.43E+00	1.48E+00
1.08E+01	8.83E-02	1.48E+00	6.52E-01	5.99E-01	1.13E+00	1.27E+00	1.35E+00	1.42E+00
1.14E+01	7.25E-02	1.45E+00	5.95E-01	5.44E-01	1.05E+00	1.19E+00	1.27E+00	1.36E+00
1.21E+01	5.85E-02	1.41E+00	5.41E-01	4.88E-01	9.72E-01	1.11E+00	1.19E+00	1.30E+00
1.28E+01	4.65E-02	1.38E+00	4.90E-01	4.33E-01	9.15E-01	1.03E+00	1.11E+00	1.22E+00
1.35E+01	3.65E-02	1.35E+00	4.41E-01	3.87E-01	8.42E-01	9.54E-01	1.02E+00	1.15E+00
1.43E+01	2.83E-02	1.31E+00	3.95E-01	3.40E-01	7.84E-01	8.81E-01	9.40E-01	1.08E+00
1.51E+01	2.16E-02	1.28E+00	3.52E-01	2.99E-01	7.08E-01	8.05E-01	8.66E-01	1.01E+00
1.60E+01	1.62E-02	1.24E+00	3.12E-01	2.60E-01	6.39E-01	7.41E-01	7.97E-01	9.46E-01
1.70E+01	1.19E-02	1.20E+00	2.75E-01	2.23E-01	5.72E-01	6.78E-01	7.31E-01	8.79E-01
1.80E+01	8.66E-03	1.16E+00	2.41E-01	1.91E-01	5.10E-01	6.14E-01	6.66E-01	8.13E-01
1.90E+01	6.16E-03	1.12E+00	2.10E-01	1.60E-01	4.56E-01	5.52E-01	6.04E-01	7.49E-01

2.01E+01 4.30E-03 1.08E+00 1.82E-01 1.33E-01 4.12E-01 4.97E-01 5.48E-01 6.96E-01

2.13E+01 2.94E-03 1.04E+00 1.57E-01 1.09E-01 3.61E-01 4.41E-01 4.97E-01 6.60E-01

2.25E+01 1.96E-03 9.94E-01 1.34E-01 8.94E-02 3.17E-01 3.93E-01 4.49E-01 6.24E-01

2.38E+01 1.28E-03 9.51E-01 1.14E-01 7.21E-02 2.77E-01 3.50E-01 4.03E-01 5.88E-01

2.52E+01 8.17E-04 9.08E-01 9.64E-02 5.75E-02 2.38E-01 3.06E-01 3.60E-01 5.39E-01

2.67E+01 5.07E-04 8.64E-01 8.09E-02 4.57E-02 2.02E-01 2.65E-01 3.19E-01 4.88E-01

2.82E+01 3.06E-04 8.20E-01 6.74E-02 3.51E-02 1.73E-01 2.29E-01 2.83E-01 4.40E-01

2.99E+01 1.79E-04 7.75E-01 5.57E-02 2.66E-02 1.46E-01 1.96E-01 2.49E-01 3.94E-01

3.00E+01 1.72E-04 7.72E-01 5.50E-02 2.61E-02 1.45E-01 1.94E-01 2.46E-01 3.91E-01

3.16E+01 1.02E-04 7.31E-01 4.58E-02 1.99E-02 1.22E-01 1.67E-01 2.18E-01 3.50E-01

3.35E+01 5.58E-05 6.87E-01 3.73E-02 1.48E-02 1.02E-01 1.40E-01 1.89E-01 3.09E-01

3.54E+01 2.96E-05 6.43E-01 3.02E-02 1.07E-02 8.32E-02 1.15E-01 1.62E-01 2.71E-01

3.75E+01 1.52E-05 6.00E-01 2.43E-02 7.61E-03 6.62E-02 9.39E-02 1.39E-01 2.36E-01

3.97E+01 7.45E-06 5.57E-01 1.94E-02 5.31E-03 5.23E-02 7.55E-02 1.16E-01 2.04E-01

4.20E+01 3.46E-06 5.15E-01 1.54E-02 3.62E-03 4.09E-02 6.21E-02 9.59E-02 1.75E-01

4.44E+01 1.53E-06 4.74E-01 1.21E-02 2.41E-03 3.12E-02 4.98E-02 7.82E-02 1.48E-01

4.70E+01 6.48E-07 4.35E-01 9.48E-03 1.58E-03 2.41E-02 3.92E-02 6.31E-02 1.25E-01

4.97E+01 2.61E-07 3.96E-01 7.38E-03 1.01E-03 1.83E-02 3.03E-02 5.02E-02 1.04E-01

5.26E+01 9.94E-08 3.59E-01 5.72E-03 6.25E-04 1.34E-02 2.31E-02 4.01E-02 8.60E-02

5.57E+01 3.58E-08 3.24E-01 4.41E-03 3.77E-04 9.58E-03 1.73E-02 3.16E-02 7.40E-02

5.90E+01 1.22E-08 2.90E-01 3.38E-03 2.19E-04 6.87E-03 1.27E-02 2.45E-02 6.31E-02

6.24E+01 3.88E-09 2.59E-01 2.59E-03 1.24E-04 4.76E-03 9.23E-03 1.88E-02 5.33E-02

60E+01 1.16E-09 2.29E-01 1.97E-03 6.84E-05 3.20E-03 6.57E-03 1.42E-02 4.30E-02

99E+01 3.22E-10 2.01E-01 1.50E-03 3.60E-05 2.15E-03 4.72E-03 1.05E-02 3.36E-02

7.39E+01 8.32E-11 1.75E-01 1.14E-03 1.83E-05 1.39E-03 3.34E-03 7.64E-03 2.56E-02

7.82E+01 1.99E-11 1.51E-01 8.60E-04 8.92E-06 8.81E-04 2.21E-03 5.46E-03 1.92E-02

8.28E+01 4.36E-12 1.30E-01 6.52E-04 4.17E-06 5.64E-04 1.42E-03 3.83E-03 1.41E-02

8.76E+01 8.75E-13 1.10E-01 4.93E-04 1.87E-06 3.46E-04 8.85E-04 2.63E-03 1.02E-02

9.27E+01 1.60E-13 9.27E-02 3.73E-04 8.02E-07 2.03E-04 5.37E-04 1.76E-03 7.24E-03

9.81E+01 2.66E-14 7.73E-02 2.82E-04 3.27E-07 1.15E-04 3.21E-04 1.16E-03 5.04E-03

1.00E+02 1.43E-14 7.25E-02 2.57E-04 2.40E-07 9.46E-05 2.69E-04 1.00E-03 4.44E-03

1.04E+02 3.96E-15 6.37E-02 2.13E-04 1.27E-07 6.40E-05 1.89E-04 7.42E-04 3.43E-03

1.10E+02 5.30E-16 5.19E-02 1.61E-04 4.65E-08 3.45E-05 1.14E-04 4.63E-04 2.28E-03

1.16E+02 6.29E-17 4.18E-02 1.21E-04 1.61E-08 1.80E-05 6.63E-05 2.81E-04 1.49E-03

1.23E+02 6.60E-18 3.33E-02 9.07E-05 5.22E-09 9.03E-06 3.75E-05 1.66E-04 9.43E-04

1.30E+02 6.08E-19 2.61E-02 6.76E-05 1.59E-09 4.35E-06 2.05E-05 9.40E-05 5.82E-04

1.38E+02 4.87E-20 2.02E-02 5.00E-05 4.51E-10 1.99E-06 1.08E-05 5.14E-05 3.50E-04

1.46E+02 3.37E-21 1.54E-02 3.67E-05 1.19E-10 8.54E-07 5.46E-06 2.71E-05 2.04E-04

1.54E+02 1.99E-22 1.16E-02 2.67E-05 2.91E-11 3.48E-07 2.65E-06 1.38E-05 1.15E-04

1.63E+02 1.00E-23 8.53E-03 1.92E-05 6.53E-12 1.35E-07 1.23E-06 6.78E-06 6.30E-05

1.73E+02 4.22E-25 6.18E-03 1.36E-05 1.35E-12 4.92E-08 5.46E-07 3.19E-06 3.32E-05

1.83E+02 1.48E-26 4.40E-03 9.49E-06 2.53E-13 1.70E-08 2.30E-07 1.44E-06 1.69E-05

1.94E+02 4.26E-28 3.07E-03 6.52E-06 4.33E-14 5.51E-09 9.22E-08 6.17E-07 8.26E-06

2.05E+02 9.06E-30 2.10E-03 4.40E-06 6.66E-15 1.67E-09 3.39E-08 2.52E-07 3.87E-06

2.17E+02 0.00E+00 1.40E-03 2.91E-06 9.23E-16 4.74E-10 1.15E-08 9.80E-08 1.74E-06

2.29E+02 0.00E+00 9.14E-04 1.88E-06 1.14E-16 1.25E-10 3.68E-09 3.60E-08 7.43E-07

2.43E+02 0.00E+00 5.82E-04 1.19E-06 1.25E-17 2.87E-11 1.11E-09 1.25E-08 3.03E-07

2.57E+02 0.00E+00 3.61E-04 7.34E-07 1.06E-18 5.95E-12 3.29E-10 4.06E-09 1.17E-07

2.72E+02 0.00E+00 2.18E-04 4.41E-07 8.84E-20 1.22E-12 9.06E-11 1.24E-09 4.28E-08

2.88E+02 0.00E+00 1.27E-04 2.57E-07 5.94E-21 2.30E-13 2.31E-11 3.52E-10 1.48E-08

3.00E+02 0.00E+00 8.43E-05 1.70E-07 7.80E-22 6.30E-14 8.05E-12 1.32E-10 6.49E-09

3.05E+02 0.00E+00 7.23E-05 1.46E-07 3.69E-22 3.91E-14 5.46E-12 9.18E-11 4.79E-09

3.22E+02 0.00E+00 3.97E-05 7.99E-08 1.95E-23 6.01E-15 1.12E-12 2.20E-11 1.46E-09

3.41E+02 0.00E+00 2.11E-05 4.23E-08 8.67E-25 8.28E-16 2.10E-13 4.87E-12 4.12E-10

3.61E+02 0.00E+00 1.08E-05 2.16E-08 3.22E-26 1.02E-16 3.56E-14 9.85E-13 1.09E-10

3.82E+02 0.00E+00 5.29E-06 1.06E-08 8.33E-28 1.10E-17 5.44E-15 1.81E-13 2.64E-11

4.04E+02 0.00E+00 2.50E-06 5.00E-09 1.91E-29 1.05E-18 7.46E-16 3.02E-14 5.93E-12

4.28E+02 0.00E+00 1.13E-06 2.25E-09 0.00E+00 8.77E-20 9.12E-17 4.55E-15 1.22E-12

4.53E+02 0.00E+00 4.85E-07 9.71E-10 0.00E+00 6.32E-21 9.85E-18 6.12E-16 2.29E-13

4.79E+02 0.00E+00 1.99E-07 3.98E-10 0.00E+00 3.91E-22 9.36E-19 7.33E-17 3.89E-14

5.07E+02 0.00E+00 7.75E-08 1.55E-10 0.00E+00 2.05E-23 7.75E-20 7.77E-18 5.96E-15

5.36E+02 0.00E+00 2.86E-08 5.72E-11 0.00E+00 9.10E-25 5.55E-21 7.22E-19 8.19E-16

5.68E+02 0.00E+00 9.94E-09 1.99E-11 0.00E+00 3.36E-26 3.41E-22 5.85E-20 1.00E-16

0.01E+02 0.00E+00 3.25E-09 6.51E-12 0.00E+00 1.02E-27 1.78E-23 4.09E-21 1.09E-17

6.36E+02 0.00E+00 9.97E-10 1.99E-12 0.00E+00 2.45E-29 6.43E-25 2.45E-22 1.04E-18

6.73E+02 0.00E+00 2.85E-10 5.71E-13 0.00E+00 0.00E+00 1.56E-26 1.25E-23 8.60E-20

7.12E+02 0.00E+00 7.59E-11 1.52E-13 0.00E+00 0.00E+00 3.84E-28 5.35E-25 6.18E-21

7.53E+02 0.00E+00 1.87E-11 3.74E-14 0.00E+00 0.00E+00 7.96E-30 1.91E-26 3.80E-22

7.97E+02 0.00E+00 4.24E-12 8.48E-15 0.00E+00 0.00E+00 0.00E+00 5.60E-28 1.99E-23

8.44E+02 0.00E+00 8.82E-13 1.76E-15 0.00E+00 0.00E+00 0.00E+00 1.22E-29 8.78E-25

93E+02 0.00E+00 1.68E-13 3.35E-16 0.00E+00 0.00E+00 0.00E+00 0.00E+00 3.23E-26

9.45E+02 0.00E+00 2.89E-14 5.78E-17 0.00E+00 0.00E+00 0.00E+00 0.00E+00 9.77E-28

1.00E+03 0.00E+00 4.50E-15 9.00E-18 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.36E-29

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA TC-99.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		3.561E+00
2	0.000E+00		3.561E+00
3	0.000E+00		3.559E+00

Title : RESRAD Default Parameters
 Input File : FCS BFM INSITU UA TC-99.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	16	0.02	16	0.01
Contaminated zone b parameter	10	0.04	10	0.01	15	0.03	15	0.01
Evapotranspiration coefficient	4	0.32	4	0.12	4	0.34	4	0.12
Wind Speed	12	-0.02	12	-0.01	9	0.06	9	0.02
Runoff coefficient	7	0.10	7	0.04	5	0.21	5	0.07
b Parameter of Unsaturated zone 1	8	-0.06	8	-0.02	10	-0.05	10	-0.02
Mass loading for inhalation	16	0.01	16	0.00	12	0.03	12	0.01
Indoor dust filtration factor	14	-0.02	14	-0.01	8	0.10	8	0.03
Depth of soil mixing layer	13	-0.02	13	-0.01	14	-0.03	14	-0.01
Depth of roots	1	0.90	1	0.73	1	0.91	1	0.74
Wet weight crop yield of fruit, grain and non-leafy vegetables	5	-0.14	5	-0.05	6	-0.18	6	-0.06
Weathering removal constant of all vegetation	3	-0.39	3	-0.15	3	-0.47	3	-0.18
Wet foliar interception fraction of leafy vegetables	6	0.13	6	0.05	7	0.17	7	0.06
Humidity in air	11	0.03	11	0.01	17	0.00	17	0.00
Cover erosion rate	9	0.05	9	0.02	13	0.03	13	0.01
Kd of Tc-99 in Contaminated Zone	2	-0.84	2	-0.54	2	-0.84	2	-0.52
Kd of Tc-99 in Saturated Zone	15	0.01	15	0.00	11	-0.04	11	-0.01
R-SQUARE		0.88		0.88		0.89		0.89

-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 TC-99.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	8	-0.08	8	-0.03	10	-0.03	10	-0.01
Contaminated zone b parameter	12	0.03	12	0.01	14	-0.02	14	-0.01
Evapotranspiration coefficient	4	0.21	4	0.09	4	0.37	4	0.14
Wind Speed	10	-0.06	10	-0.03	8	-0.09	8	-0.03
Runoff coefficient	5	0.10	5	0.04	6	0.11	6	0.04
b Parameter of Unsaturated zone 1	13	0.02	13	0.01	7	0.11	7	0.04
Mass loading for inhalation	17	0.00	17	0.00	16	0.01	16	0.00
Indoor dust filtration factor	15	-0.01	15	0.00	13	0.02	13	0.01
Depth of soil mixing layer	14	0.02	14	0.01	12	-0.03	12	-0.01
Depth of roots	1	0.86	1	0.74	1	0.91	1	0.73
Wet weight crop yield of fruit, grain and non-leafy vegetables	6	-0.10	6	-0.04	5	-0.15	5	-0.05
Weathering removal constant of all vegetation	3	-0.36	3	-0.17	3	-0.51	3	-0.20
Wet foliar interception fraction of leafy vegetables	9	0.07	9	0.03	11	0.03	11	0.01
Humidity in air	11	-0.03	11	-0.01	17	0.00	17	0.00
Cover erosion rate	7	0.08	7	0.04	15	0.02	15	0.01
Kd of Tc-99 in Contaminated Zone	2	-0.75	2	-0.50	2	-0.85	2	-0.54
Kd of Tc-99 in Saturated Zone	16	-0.01	16	0.00	9	-0.07	9	-0.02
R-SQUARE		0.81		0.81		0.89		0.89

-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 TC-99.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	0.00	8	-0.10	8	-0.03
Contaminated zone b parameter	15	0.03	15	0.01	15	-0.01	15	0.00
Evapotranspiration coefficient	4	0.26	4	0.10	4	0.37	4	0.13
Wind Speed	14	0.03	14	0.01	16	-0.01	16	0.00
Runoff coefficient	6	0.09	6	0.03	5	0.18	5	0.06
b Parameter of Unsaturated zone 1	10	0.05	10	0.02	7	0.11	7	0.04
Mass loading for inhalation	5	0.11	5	0.04	12	0.04	12	0.01
Indoor dust filtration factor	16	-0.01	16	0.00	14	0.02	14	0.01
Depth of soil mixing layer	9	-0.06	9	-0.02	10	-0.06	10	-0.02
Depth of roots	1	0.90	1	0.74	1	0.91	1	0.74
Wet weight crop yield of fruit, grain and non-leafy vegetables	7	-0.08	7	-0.03	6	-0.15	6	-0.05
Weathering removal constant of all vegetation	3	-0.43	3	-0.17	3	-0.48	3	-0.18
Wet foliar interception fraction of leafy vegetables	8	0.08	8	0.03	9	0.10	9	0.03
Humidity in air	12	-0.04	12	-0.01	11	-0.04	11	-0.01
Cover erosion rate	11	-0.04	11	-0.02	17	-0.01	17	0.00
Kd of Tc-99 in Contaminated Zone	2	-0.84	2	-0.55	2	-0.85	2	-0.54
Kd of Tc-99 in Saturated Zone	13	-0.03	13	-0.01	13	-0.03	13	-0.01
R-SQUARE		0.87		0.87		0.89		0.89

-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.