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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
Cs-134										
Min	0.00E+00	2.13E-03	2.13E-03	1.52E-03	7.79E-04	7.41E-05	8.94E-08	0.00E+00	0.00E+00	0.00E+00
Max	1.15E+01	4.23E+01	4.23E+01	2.93E+01	1.40E+01	1.06E+00	6.59E-04	2.12E-14	0.00E+00	0.00E+00
Avg	2.77E-02	1.54E+00	1.54E+00	1.10E+00	5.61E-01	5.47E-02	6.70E-05	4.10E-15	0.00E+00	0.00E+00
Std	4.51E-01	2.12E+00	2.12E+00	1.48E+00	7.29E-01	6.37E-02	6.43E-05	3.12E-15	0.00E+00	0.00E+00
ALL										
Min	0.00E+00	2.13E-03	2.13E-03	1.52E-03	7.79E-04	7.41E-05	8.94E-08	0.00E+00	0.00E+00	0.00E+00
Max	1.15E+01	4.23E+01	4.23E+01	2.93E+01	1.40E+01	1.06E+00	6.59E-04	2.12E-14	0.00E+00	0.00E+00
Avg	2.77E-02	1.54E+00	1.54E+00	1.10E+00	5.61E-01	5.47E-02	6.70E-05	4.10E-15	0.00E+00	0.00E+00
Std	4.51E-01	2.12E+00	2.12E+00	1.48E+00	7.29E-01	6.37E-02	6.43E-05	3.12E-15	0.00E+00	0.00E+00

ALL is total dose summed for all nuclides.

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
Cs-134									
Min		4.93E-08	3.53E-08	1.80E-08	1.71E-09	2.07E-12	0.00E+00	0.00E+00	0.00E+00
Max		9.81E-04	6.80E-04	3.25E-04	2.45E-05	1.53E-08	5.10E-19	0.00E+00	0.00E+00
Avg		3.69E-05	2.64E-05	1.35E-05	1.32E-06	1.63E-09	1.00E-19	0.00E+00	0.00E+00
Std		4.91E-05	3.44E-05	1.69E-05	1.49E-06	1.54E-09	7.80E-20	0.00E+00	0.00E+00
ALL									
Min		4.93E-08	3.53E-08	1.80E-08	1.71E-09	2.07E-12	0.00E+00	0.00E+00	0.00E+00
Max		9.81E-04	6.80E-04	3.25E-04	2.45E-05	1.53E-08	5.10E-19	0.00E+00	0.00E+00
Avg		3.69E-05	2.64E-05	1.35E-05	1.32E-06	1.63E-09	1.00E-19	0.00E+00	0.00E+00
Std		4.91E-05	3.44E-05	1.69E-05	1.49E-06	1.54E-09	7.80E-20	0.00E+00	0.00E+00

ALL is total risk summed for all nuclides.

Probabilistic Dose vs Pathway(i): Ground External

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
Cs-134									
Min		9.54E-06	6.67E-06	3.26E-06	2.65E-07	2.05E-10	0.00E+00	0.00E+00	0.00E+00
Max		4.52E-05	4.64E-04	4.89E-02	1.27E-01	1.53E-04	9.24E-15	0.00E+00	0.00E+00
Avg		1.00E-05	9.15E-06	1.01E-04	1.52E-03	4.01E-06	3.73E-16	0.00E+00	0.00E+00
Std		2.19E-06	2.09E-05	1.67E-03	1.34E-02	2.41E-05	1.77E-15	0.00E+00	0.00E+00
ALL									
Min		9.54E-06	6.67E-06	3.26E-06	2.65E-07	2.05E-10	0.00E+00	0.00E+00	0.00E+00
Max		4.52E-05	4.64E-04	4.89E-02	1.27E-01	1.53E-04	9.24E-15	0.00E+00	0.00E+00
Avg		1.00E-05	9.15E-06	1.01E-04	1.52E-03	4.01E-06	3.73E-16	0.00E+00	0.00E+00
Std		2.19E-06	2.09E-05	1.67E-03	1.34E-02	2.41E-05	1.77E-15	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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
Cs-134									
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	8.10E-08	3.93E-08	4.93E-11	2.92E-21	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	7.53E-11	2.06E-10	5.37E-13	4.81E-23	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	2.18E-09	2.02E-09	3.53E-12	2.52E-22	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	8.10E-08	3.93E-08	4.93E-11	2.92E-21	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	7.53E-11	2.06E-10	5.37E-13	4.81E-23	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	2.18E-09	2.02E-09	3.53E-12	2.52E-22	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Radon (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
<hr/>									
Cs-134									
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
<hr/>									

ALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Plant (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
Cs-134									
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		5.08E-01	3.80E-01	2.12E-01	2.26E-02	2.71E-05	1.64E-15	0.00E+00	0.00E+00
Avg		3.04E-01	2.18E-01	1.12E-01	1.09E-02	1.35E-05	8.84E-16	0.00E+00	0.00E+00
Std		1.78E-01	1.27E-01	6.48E-02	6.25E-03	7.60E-06	4.57E-16	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		5.08E-01	3.80E-01	2.12E-01	2.26E-02	2.71E-05	1.64E-15	0.00E+00	0.00E+00
Avg		3.04E-01	2.18E-01	1.12E-01	1.09E-02	1.35E-05	8.84E-16	0.00E+00	0.00E+00
Std		1.78E-01	1.27E-01	6.48E-02	6.25E-03	7.60E-06	4.57E-16	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.



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
Cs-134									
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		3.66E-01	2.73E-01	1.60E-01	2.17E-02	2.61E-05	1.58E-15	0.00E+00	0.00E+00
Avg		2.20E-01	1.58E-01	8.12E-02	7.96E-03	9.97E-06	6.56E-16	0.00E+00	0.00E+00
Std		1.29E-01	9.21E-02	4.70E-02	4.68E-03	5.90E-06	3.62E-16	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		3.66E-01	2.73E-01	1.60E-01	2.17E-02	2.61E-05	1.58E-15	0.00E+00	0.00E+00
Avg		2.20E-01	1.58E-01	8.12E-02	7.96E-03	9.97E-06	6.56E-16	0.00E+00	0.00E+00
Std		1.29E-01	9.21E-02	4.70E-02	4.68E-03	5.90E-06	3.62E-16	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Milk (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
Cs-134									
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		6.39E-01	4.78E-01	2.70E-01	3.25E-02	3.91E-05	2.36E-15	0.00E+00	0.00E+00
Avg		3.84E-01	2.75E-01	1.42E-01	1.38E-02	1.72E-05	1.13E-15	0.00E+00	0.00E+00
Std		2.25E-01	1.60E-01	8.19E-02	8.00E-03	9.86E-06	5.97E-16	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		6.39E-01	4.78E-01	2.70E-01	3.25E-02	3.91E-05	2.36E-15	0.00E+00	0.00E+00
Avg		3.84E-01	2.75E-01	1.42E-01	1.38E-02	1.72E-05	1.13E-15	0.00E+00	0.00E+00
Std		2.25E-01	1.60E-01	8.19E-02	8.00E-03	9.86E-06	5.97E-16	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Soil 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
Cs-134									
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	7.37E-05	3.08E-05	3.71E-08	2.24E-18	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	1.08E-07	3.96E-07	1.02E-09	9.24E-20	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	2.59E-06	3.35E-06	5.93E-09	4.30E-19	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	7.37E-05	3.08E-05	3.71E-08	2.24E-18	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	1.08E-07	3.96E-07	1.02E-09	9.24E-20	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	2.59E-06	3.35E-06	5.93E-09	4.30E-19	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): Water 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
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Cs-134									
Min		8.49E-05	6.07E-05	3.10E-05	2.94E-06	3.54E-09	0.00E+00	0.00E+00	0.00E+00
Max		1.81E+01	1.25E+01	5.98E+00	4.52E-01	2.82E-04	6.24E-15	0.00E+00	0.00E+00
Avg		2.65E-01	1.88E-01	9.47E-02	8.61E-03	9.31E-06	4.41E-16	0.00E+00	0.00E+00
Std		8.91E-01	6.23E-01	3.05E-01	2.52E-02	2.21E-05	7.66E-16	0.00E+00	0.00E+00
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ALL									
Min		8.49E-05	6.07E-05	3.10E-05	2.94E-06	3.54E-09	0.00E+00	0.00E+00	0.00E+00
Max		1.81E+01	1.25E+01	5.98E+00	4.52E-01	2.82E-04	6.24E-15	0.00E+00	0.00E+00
Avg		2.65E-01	1.88E-01	9.47E-02	8.61E-03	9.31E-06	4.41E-16	0.00E+00	0.00E+00
Std		8.91E-01	6.23E-01	3.05E-01	2.52E-02	2.21E-05	7.66E-16	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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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
<hr/>									
Cs-134									
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
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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 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/>									
Cs-134									
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
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ALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Plant (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
Cs-134									
Min		7.78E-06	5.56E-06	2.84E-06	2.70E-07	3.24E-10	0.00E+00	0.00E+00	0.00E+00
Max		1.72E+00	1.19E+00	5.67E-01	4.28E-02	3.18E-05	1.26E-15	0.00E+00	0.00E+00
Avg		2.40E-02	1.70E-02	8.59E-03	7.86E-04	8.60E-07	4.14E-17	0.00E+00	0.00E+00
Std		7.96E-02	5.59E-02	2.76E-02	2.36E-03	2.25E-06	8.76E-17	0.00E+00	0.00E+00
ALL									
Min		7.78E-06	5.56E-06	2.84E-06	2.70E-07	3.24E-10	0.00E+00	0.00E+00	0.00E+00
Max		1.72E+00	1.19E+00	5.67E-01	4.28E-02	3.18E-05	1.26E-15	0.00E+00	0.00E+00
Avg		2.40E-02	1.70E-02	8.59E-03	7.86E-04	8.60E-07	4.14E-17	0.00E+00	0.00E+00
Std		7.96E-02	5.59E-02	2.76E-02	2.36E-03	2.25E-06	8.76E-17	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 CS-134.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
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Cs-134									
Min		5.45E-05	3.89E-05	1.99E-05	1.89E-06	2.27E-09	0.00E+00	0.00E+00	0.00E+00
Max		9.90E+00	6.85E+00	3.27E+00	2.47E-01	1.54E-04	4.37E-15	0.00E+00	0.00E+00
Avg		1.56E-01	1.11E-01	5.57E-02	5.08E-03	5.52E-06	2.63E-16	0.00E+00	0.00E+00
Std		5.00E-01	3.50E-01	1.72E-01	1.44E-02	1.31E-05	4.70E-16	0.00E+00	0.00E+00
ALL									
Min		5.45E-05	3.89E-05	1.99E-05	1.89E-06	2.27E-09	0.00E+00	0.00E+00	0.00E+00
Max		9.90E+00	6.85E+00	3.27E+00	2.47E-01	1.54E-04	4.37E-15	0.00E+00	0.00E+00
Avg		1.56E-01	1.11E-01	5.57E-02	5.08E-03	5.52E-06	2.63E-16	0.00E+00	0.00E+00
Std		5.00E-01	3.50E-01	1.72E-01	1.44E-02	1.31E-05	4.70E-16	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.



Probabilistic Dose vs Pathway(i):    Milk    (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/>									
Cs-134									
Min		6.75E-05	4.82E-05	2.46E-05	2.34E-06	2.82E-09	0.00E+00	0.00E+00	0.00E+00
Max		1.14E+01	7.87E+00	3.76E+00	2.84E-01	1.77E-04	5.60E-15	0.00E+00	0.00E+00
Avg		1.86E-01	1.32E-01	6.65E-02	6.07E-03	6.61E-06	3.15E-16	0.00E+00	0.00E+00
Std		5.86E-01	4.11E-01	2.02E-01	1.71E-02	1.57E-05	5.76E-16	0.00E+00	0.00E+00
ALL									
Min		6.75E-05	4.82E-05	2.46E-05	2.34E-06	2.82E-09	0.00E+00	0.00E+00	0.00E+00
Max		1.14E+01	7.87E+00	3.76E+00	2.84E-01	1.77E-04	5.60E-15	0.00E+00	0.00E+00
Avg		1.86E-01	1.32E-01	6.65E-02	6.07E-03	6.61E-06	3.15E-16	0.00E+00	0.00E+00
Std		5.86E-01	4.11E-01	2.02E-01	1.71E-02	1.57E-05	5.76E-16	0.00E+00	0.00E+00
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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 CS-134.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	1.95E-02	1.39E-02	7.11E-03	6.95E-04	8.81E-07	6.41E-17	0.00E+00	0.00E+00
0.050	4.27E-02	3.06E-02	1.56E-02	1.59E-03	2.33E-06	2.25E-16	0.00E+00	0.00E+00
0.075	9.01E-02	6.75E-02	3.56E-02	3.51E-03	4.71E-06	4.86E-16	0.00E+00	0.00E+00
0.100	1.57E-01	1.19E-01	6.14E-02	6.32E-03	8.25E-06	7.53E-16	0.00E+00	0.00E+00
0.125	2.48E-01	1.82E-01	9.66E-02	1.01E-02	1.30E-05	1.20E-15	0.00E+00	0.00E+00
0.150	3.60E-01	2.62E-01	1.40E-01	1.42E-02	1.95E-05	1.63E-15	0.00E+00	0.00E+00
0.175	4.88E-01	3.51E-01	1.86E-01	1.91E-02	2.51E-05	2.02E-15	0.00E+00	0.00E+00
0.200	5.98E-01	4.31E-01	2.24E-01	2.24E-02	2.95E-05	2.26E-15	0.00E+00	0.00E+00
0.225	7.06E-01	5.04E-01	2.69E-01	2.65E-02	3.39E-05	2.49E-15	0.00E+00	0.00E+00
0.250	8.15E-01	5.82E-01	3.04E-01	2.96E-02	3.80E-05	2.72E-15	0.00E+00	0.00E+00
0.275	8.80E-01	6.31E-01	3.27E-01	3.24E-02	4.11E-05	2.88E-15	0.00E+00	0.00E+00
0.300	9.72E-01	6.96E-01	3.61E-01	3.54E-02	4.46E-05	3.00E-15	0.00E+00	0.00E+00
0.325	1.05E+00	7.50E-01	3.86E-01	3.74E-02	4.63E-05	3.13E-15	0.00E+00	0.00E+00
0.350	1.11E+00	7.93E-01	4.08E-01	3.95E-02	4.88E-05	3.24E-15	0.00E+00	0.00E+00
0.375	1.16E+00	8.31E-01	4.29E-01	4.17E-02	5.15E-05	3.35E-15	0.00E+00	0.00E+00
0.400	1.21E+00	8.66E-01	4.44E-01	4.33E-02	5.34E-05	3.45E-15	0.00E+00	0.00E+00
0.425	1.26E+00	9.01E-01	4.62E-01	4.45E-02	5.47E-05	3.51E-15	0.00E+00	0.00E+00
0.450	1.29E+00	9.21E-01	4.72E-01	4.56E-02	5.62E-05	3.59E-15	0.00E+00	0.00E+00
0.475	1.33E+00	9.49E-01	4.86E-01	4.68E-02	5.74E-05	3.66E-15	0.00E+00	0.00E+00
0.500	1.36E+00	9.70E-01	4.99E-01	4.82E-02	5.90E-05	3.75E-15	0.00E+00	0.00E+00
0.525	1.39E+00	9.97E-01	5.11E-01	4.91E-02	6.00E-05	3.80E-15	0.00E+00	0.00E+00
0.550	1.42E+00	1.01E+00	5.19E-01	4.97E-02	6.09E-05	3.85E-15	0.00E+00	0.00E+00
0.575	1.43E+00	1.02E+00	5.25E-01	5.04E-02	6.17E-05	3.92E-15	0.00E+00	0.00E+00
0.600	1.45E+00	1.04E+00	5.32E-01	5.10E-02	6.24E-05	3.98E-15	0.00E+00	0.00E+00
0.625	1.47E+00	1.05E+00	5.38E-01	5.17E-02	6.33E-05	4.03E-15	0.00E+00	0.00E+00
0.650	1.49E+00	1.07E+00	5.45E-01	5.23E-02	6.40E-05	4.10E-15	0.00E+00	0.00E+00
0.675	1.51E+00	1.08E+00	5.53E-01	5.32E-02	6.51E-05	4.17E-15	0.00E+00	0.00E+00
0.700	1.54E+00	1.10E+00	5.64E-01	5.43E-02	6.68E-05	4.25E-15	0.00E+00	0.00E+00
0.725	1.57E+00	1.12E+00	5.77E-01	5.60E-02	6.84E-05	4.34E-15	0.00E+00	0.00E+00
0.750	1.62E+00	1.16E+00	5.94E-01	5.75E-02	7.06E-05	4.47E-15	0.00E+00	0.00E+00
0.775	1.67E+00	1.20E+00	6.15E-01	5.97E-02	7.34E-05	4.62E-15	0.00E+00	0.00E+00
0.800	1.74E+00	1.25E+00	6.45E-01	6.31E-02	7.69E-05	4.78E-15	0.00E+00	0.00E+00
0.825	1.84E+00	1.32E+00	6.77E-01	6.65E-02	8.15E-05	5.01E-15	0.00E+00	0.00E+00
0.850	1.95E+00	1.39E+00	7.17E-01	6.99E-02	8.90E-05	5.41E-15	0.00E+00	0.00E+00
0.875	2.13E+00	1.52E+00	7.78E-01	7.80E-02	9.89E-05	5.97E-15	0.00E+00	0.00E+00
0.900	2.41E+00	1.72E+00	8.76E-01	8.79E-02	1.09E-04	6.53E-15	0.00E+00	0.00E+00
0.925	2.66E+00	1.90E+00	9.69E-01	1.02E-01	1.35E-04	8.15E-15	0.00E+00	0.00E+00
0.950	3.44E+00	2.45E+00	1.25E+00	1.38E-01	2.04E-04	1.18E-14	0.00E+00	0.00E+00
0.975	5.47E+00	3.89E+00	1.97E+00	2.06E-01	2.59E-04	1.49E-14	0.00E+00	0.00E+00
1.000	4.23E+01	2.93E+01	1.40E+01	1.06E+00	6.59E-04	2.12E-14	0.00E+00	0.00E+00

Summary of dose at graphical times, reptition 1								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	3.63E-03	2.15E+01	1.51E+00	1.34E+00	2.33E+00	3.53E+00	5.58E+00	1.05E+01
1.00E+00	2.59E-03	1.51E+01	1.08E+00	9.63E-01	1.66E+00	2.52E+00	3.97E+00	7.41E+00
1.06E+00	2.54E-03	1.48E+01	1.06E+00	9.45E-01	1.63E+00	2.47E+00	3.89E+00	7.26E+00
1.12E+00	2.49E-03	1.45E+01	1.04E+00	9.26E-01	1.60E+00	2.42E+00	3.81E+00	7.11E+00
1.19E+00	2.44E-03	1.42E+01	1.01E+00	9.05E-01	1.56E+00	2.36E+00	3.73E+00	6.95E+00
1.25E+00	2.38E-03	1.38E+01	9.91E-01	8.85E-01	1.53E+00	2.31E+00	3.64E+00	6.78E+00
1.33E+00	2.32E-03	1.35E+01	9.67E-01	8.63E-01	1.49E+00	2.25E+00	3.55E+00	6.61E+00
1.40E+00	2.26E-03	1.31E+01	9.42E-01	8.41E-01	1.45E+00	2.20E+00	3.46E+00	6.44E+00
1.49E+00	2.20E-03	1.27E+01	9.16E-01	8.18E-01	1.41E+00	2.14E+00	3.36E+00	6.26E+00
1.57E+00	2.14E-03	1.23E+01	8.90E-01	7.95E-01	1.37E+00	2.07E+00	3.27E+00	6.07E+00
1.66E+00	2.07E-03	1.20E+01	8.63E-01	7.71E-01	1.33E+00	2.01E+00	3.16E+00	5.88E+00
1.76E+00	2.01E-03	1.15E+01	8.35E-01	7.46E-01	1.29E+00	1.95E+00	3.06E+00	5.68E+00
1.86E+00	1.94E-03	1.11E+01	8.07E-01	7.21E-01	1.24E+00	1.88E+00	2.96E+00	5.48E+00
1.97E+00	1.87E-03	1.07E+01	7.78E-01	6.95E-01	1.20E+00	1.81E+00	2.85E+00	5.28E+00
2.09E+00	1.80E-03	1.03E+01	7.49E-01	6.69E-01	1.15E+00	1.74E+00	2.74E+00	5.07E+00
2.21E+00	1.73E-03	9.86E+00	7.19E-01	6.42E-01	1.11E+00	1.67E+00	2.63E+00	4.86E+00
2.34E+00	1.65E-03	9.42E+00	6.88E-01	6.15E-01	1.06E+00	1.60E+00	2.52E+00	4.65E+00
2.47E+00	1.58E-03	8.97E+00	6.58E-01	5.87E-01	1.01E+00	1.53E+00	2.40E+00	4.44E+00
2.62E+00	1.50E-03	8.53E+00	6.27E-01	5.60E-01	9.64E-01	1.46E+00	2.29E+00	4.22E+00
2.77E+00	1.43E-03	8.08E+00	5.95E-01	5.33E-01	9.15E-01	1.38E+00	2.17E+00	4.00E+00
2.93E+00	1.35E-03	7.63E+00	5.64E-01	5.05E-01	8.67E-01	1.31E+00	2.05E+00	3.78E+00
3.00E+00	1.32E-03	7.45E+00	5.51E-01	4.94E-01	8.47E-01	1.28E+00	2.01E+00	3.69E+00
3.10E+00	1.28E-03	7.18E+00	5.33E-01	4.77E-01	8.18E-01	1.24E+00	1.94E+00	3.56E+00
3.28E+00	1.20E-03	6.74E+00	5.01E-01	4.49E-01	7.82E-01	1.16E+00	1.82E+00	3.35E+00
3.48E+00	1.13E-03	6.30E+00	4.70E-01	4.21E-01	7.33E-01	1.09E+00	1.71E+00	3.13E+00
3.68E+00	1.05E-03	5.86E+00	4.40E-01	3.94E-01	6.85E-01	1.02E+00	1.59E+00	2.92E+00
3.89E+00	9.81E-04	5.43E+00	4.10E-01	3.66E-01	6.38E-01	9.58E-01	1.48E+00	2.71E+00
4.12E+00	9.09E-04	5.01E+00	3.80E-01	3.40E-01	5.91E-01	8.88E-01	1.37E+00	2.50E+00
4.36E+00	8.39E-04	4.61E+00	3.51E-01	3.14E-01	5.50E-01	8.19E-01	1.27E+00	2.30E+00
4.61E+00	7.70E-04	4.21E+00	3.23E-01	2.88E-01	5.07E-01	7.51E-01	1.21E+00	2.11E+00
4.88E+00	7.04E-04	3.83E+00	2.96E-01	2.64E-01	4.63E-01	6.86E-01	1.11E+00	1.92E+00
5.17E+00	6.40E-04	3.46E+00	2.69E-01	2.40E-01	4.26E-01	6.41E-01	1.01E+00	1.74E+00
5.47E+00	5.78E-04	3.11E+00	2.44E-01	2.17E-01	3.85E-01	5.80E-01	9.08E-01	1.56E+00
5.78E+00	5.19E-04	2.78E+00	2.20E-01	1.95E-01	3.46E-01	5.26E-01	8.31E-01	1.40E+00
6.12E+00	4.64E-04	2.47E+00	1.97E-01	1.74E-01	3.15E-01	4.70E-01	7.50E-01	1.25E+00
6.48E+00	4.11E-04	2.18E+00	1.75E-01	1.55E-01	2.84E-01	4.18E-01	6.67E-01	1.10E+00
6.86E+00	3.62E-04	1.90E+00	1.54E-01	1.36E-01	2.50E-01	3.90E-01	5.88E-01	9.65E-01
7.26E+00	3.17E-04	1.65E+00	1.35E-01	1.19E-01	2.19E-01	3.45E-01	5.13E-01	8.39E-01
7.68E+00	2.75E-04	1.42E+00	1.17E-01	1.04E-01	1.90E-01	3.02E-01	4.45E-01	7.25E-01
8.13E+00	2.37E-04	1.21E+00	1.01E-01	8.94E-02	1.64E-01	2.59E-01	3.84E-01	6.20E-01
8.60E+00	2.02E-04	1.03E+00	8.64E-02	7.64E-02	1.40E-01	2.21E-01	3.29E-01	5.26E-01
9.10E+00	1.71E-04	8.60E-01	7.31E-02	6.47E-02	1.18E-01	1.86E-01	2.78E-01	4.42E-01
9.63E+00	1.43E-04	7.13E-01	6.12E-02	5.41E-02	9.87E-02	1.57E-01	2.32E-01	3.67E-01
1.00E+01	1.26E-04	6.26E-01	5.41E-02	4.78E-02	8.71E-02	1.39E-01	2.05E-01	3.23E-01
1.02E+01	1.18E-04	5.85E-01	5.08E-02	4.48E-02	8.22E-02	1.30E-01	1.92E-01	3.02E-01
1.08E+01	9.69E-05	4.74E-01	4.17E-02	3.67E-02	6.73E-02	1.06E-01	1.58E-01	2.46E-01
1.14E+01	7.85E-05	3.79E-01	3.38E-02	2.98E-02	5.46E-02	8.89E-02	1.28E-01	1.97E-01
1.21E+01	6.28E-05	3.00E-01	2.71E-02	2.38E-02	4.36E-02	7.09E-02	1.02E-01	1.57E-01
1.28E+01	4.95E-05	2.34E-01	2.14E-02	1.88E-02	3.44E-02	5.82E-02	8.06E-02	1.23E-01
1.35E+01	3.86E-05	1.80E-01	1.67E-02	1.47E-02	2.68E-02	5.06E-02	6.28E-02	9.46E-02
1.43E+01	2.96E-05	1.36E-01	1.28E-02	1.12E-02	2.06E-02	3.87E-02	4.96E-02	7.19E-02
1.51E+01	2.24E-05	1.01E-01	9.70E-03	8.54E-03	1.61E-02	2.91E-02	3.75E-02	5.38E-02
1.60E+01	1.66E-05	7.41E-02	7.22E-03	6.35E-03	1.20E-02	2.16E-02	2.79E-02	3.96E-02
1.70E+01	1.22E-05	5.32E-02	5.29E-03	4.65E-03	8.74E-03	1.60E-02	2.04E-02	2.86E-02
1.80E+01	8.73E-06	3.75E-02	3.80E-03	3.34E-03	6.27E-03	1.15E-02	1.46E-02	2.03E-02
1.90E+01	6.15E-06	2.59E-02	2.67E-03	2.35E-03	4.40E-03	8.09E-03	1.03E-02	1.41E-02

2.01E+01 4.24E-06 1.75E-02 1.84E-03 1.62E-03 3.06E-03 5.56E-03 7.08E-03 9.58E-03

2.13E+01 2.86E-06 1.16E-02 1.24E-03 1.10E-03 2.06E-03 3.73E-03 4.78E-03 6.37E-03

2.25E+01	1.89E-06	7.46E-03	8.22E-04	7.25E-04	1.39E-03	2.51E-03	3.15E-03	4.14E-03
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2.38E+01 1.22E-06 4.69E-03 5.29E-04 4.67E-04 8.95E-04 1.61E-03 2.06E-03 2.62E-03

2.52E+01 7.63E-07 2.87E-03 3.33E-04 2.93E-04 5.61E-04 1.01E-03 1.29E-03 1.62E-03



2.67E+01 4.66E-07 1.71E-03 2.03E-04 1.79E-04 3.42E-04 6.14E-04 7.88E-04 9.69E-04

2.82E+01 2.77E-07 9.85E-04 1.21E-04 1.06E-04 2.03E-04 3.72E-04 4.73E-04 5.64E-04

2.99E+01	1.59E-07	5.50E-04	6.95E-05	6.13E-05	1.16E-04	2.12E-04	2.71E-04	3.18E-04
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3.00E+01 1.53E-07 5.28E-04 6.68E-05 5.90E-05 1.12E-04 2.04E-04 2.60E-04 3.05E-04

3.16E+01	8.90E-08	2.97E-04	3.87E-05	3.42E-05	6.48E-05	1.23E-04	1.50E-04	1.74E-04
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3.35E+01 4.80E-08 1.55E-04 2.09E-05 1.84E-05 3.61E-05 6.58E-05 8.14E-05 9.14E-05

3.54E+01 2.50E-08 7.77E-05 1.08E-05 9.57E-06 1.87E-05 3.38E-05 4.23E-05 5.00E-05

3.75E+01 1.25E-08 3.74E-05 5.43E-06 4.78E-06 9.35E-06 1.70E-05 2.11E-05 2.40E-05



3.97E+01 6.03E-09 1.73E-05 2.61E-06 2.30E-06 4.58E-06 8.60E-06 1.01E-05 1.10E-05

4.20E+01 2.78E-09 7.63E-06 1.20E-06 1.06E-06 2.13E-06 3.92E-06 4.60E-06 4.86E-06

4.44E+01 1.23E-09 3.21E-06 5.28E-07 4.66E-07 9.30E-07 1.71E-06 2.01E-06 2.13E-06

4.70E+01 5.18E-10 1.29E-06 2.21E-07 1.96E-07 3.88E-07 7.40E-07 8.23E-07 8.91E-07

4.97E+01 2.08E-10 4.88E-07 8.83E-08 7.81E-08 1.54E-07 2.93E-07 3.27E-07 3.54E-07

5.26E+01 7.92E-11 1.77E-07 3.34E-08 2.96E-08 5.77E-08 1.10E-07 1.23E-07 1.33E-07

5.57E+01 2.85E-11 6.12E-08 1.19E-08 1.06E-08 2.05E-08 3.88E-08 4.40E-08 4.75E-08

5.90E+01 9.72E-12 1.99E-08 4.00E-09 3.58E-09 7.16E-09 1.28E-08 1.48E-08 1.59E-08



6.24E+01 3.12E-12 6.07E-09 1.26E-09 1.13E-09 2.26E-09 3.87E-09 4.66E-09 5.00E-09

6.60E+01 9.39E-13 1.73E-09 3.73E-10 3.35E-10 6.64E-10 1.13E-09 1.37E-09 1.47E-09

6.99E+01	2.65E-13	4.56E-10	1.03E-10	9.21E-11	1.84E-10	3.10E-10	3.77E-10	3.95E-10
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7.39E+01    7.01E-14    1.13E-10    2.62E-11    2.35E-11    4.67E-11    7.70E-11    9.54E-11    1.00E-10

7.82E+01	1.66E-14	2.62E-11	6.16E-12	5.56E-12	1.09E-11	1.88E-11	2.25E-11	2.35E-11
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8.28E+01 3.59E-15 5.59E-12 1.33E-12 1.20E-12 2.33E-12 4.00E-12 4.85E-12 5.07E-12

8.76E+01 7.10E-16 1.09E-12 2.63E-13 2.39E-13 4.56E-13 7.40E-13 9.58E-13 9.95E-13

9.27E+01 1.28E-16 1.94E-13 4.74E-14 4.30E-14 8.15E-14 1.34E-13 1.72E-13 1.79E-13



9.81E+01 2.08E-17 3.11E-14 7.72E-15 7.03E-15 1.32E-14 2.11E-14 2.80E-14 2.88E-14

1.00E+02	1.11E-17	1.65E-14	4.12E-15	3.75E-15	7.03E-15	1.11E-14	1.49E-14	1.53E-14
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1.04E+02    3.04E-18    4.49E-15    1.13E-15    1.03E-15    1.92E-15    3.01E-15    4.09E-15    4.19E-15

1.10E+02 3.98E-19 5.79E-16 1.49E-16 1.35E-16 2.50E-16 4.16E-16 5.35E-16 5.47E-16

1.16E+02 4.63E-20 6.62E-17 1.73E-17 1.58E-17 2.86E-17 4.76E-17 6.21E-17 6.34E-17

1.23E+02 4.74E-21 6.68E-18 1.78E-18 1.62E-18 2.90E-18 4.81E-18 6.37E-18 6.49E-18

1.30E+02 4.26E-22 6.18E-19 1.61E-19 1.47E-19 2.58E-19 4.23E-19 5.72E-19 5.86E-19

1.38E+02    3.32E-23    4.80E-20    1.26E-20    1.15E-20    1.97E-20    3.66E-20    4.46E-20    4.53E-20



1.46E+02 2.24E-24 3.21E-21 8.54E-22 7.80E-22 1.33E-21 2.36E-21 3.00E-21 3.04E-21

1.54E+02 1.29E-25 1.83E-22 4.95E-23 4.51E-23 7.53E-23 1.29E-22 1.72E-22 1.74E-22

1.63E+02 6.26E-27 8.87E-24 2.44E-24 2.22E-24 3.68E-24 5.99E-24 8.38E-24 8.45E-24

1.73E+02 2.55E-28 3.59E-25 1.01E-25 9.14E-26 1.58E-25 2.32E-25 3.42E-25 3.44E-25

1.83E+02 8.41E-30 1.21E-26 3.55E-27 3.13E-27 5.82E-27 1.05E-26 1.16E-26 1.16E-26

1.94E+02    0.00E+00    3.34E-28    1.03E-28    8.71E-29    1.94E-28    3.18E-28    3.21E-28    3.24E-28

2.05E+02	0.00E+00	5.68E-30	5.98E-31	0.00E+00	2.93E-30	5.52E-30	5.61E-30	5.66E-30
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[illegible]



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[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

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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
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[illegible]



[illegible]

[illegible]



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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
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Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CS-134.RAD

Summary of dose at graphical times, reptition 2								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	3.87E-03	4.23E+01	1.56E+00	1.37E+00	2.43E+00	3.46E+00	5.76E+00	8.53E+00
1.00E+00	2.76E-03	2.93E+01	1.11E+00	9.82E-01	1.74E+00	2.47E+00	4.10E+00	6.09E+00
1.06E+00	2.71E-03	2.86E+01	1.09E+00	9.63E-01	1.70E+00	2.42E+00	4.02E+00	5.97E+00
1.12E+00	2.66E-03	2.80E+01	1.07E+00	9.44E-01	1.67E+00	2.37E+00	3.94E+00	5.85E+00
1.19E+00	2.60E-03	2.73E+01	1.04E+00	9.23E-01	1.63E+00	2.32E+00	3.85E+00	5.72E+00
1.25E+00	2.54E-03	2.66E+01	1.02E+00	9.02E-01	1.59E+00	2.27E+00	3.76E+00	5.59E+00
1.33E+00	2.48E-03	2.59E+01	9.96E-01	8.80E-01	1.56E+00	2.21E+00	3.67E+00	5.45E+00
1.40E+00	2.41E-03	2.52E+01	9.70E-01	8.57E-01	1.52E+00	2.16E+00	3.57E+00	5.31E+00
1.49E+00	2.35E-03	2.45E+01	9.44E-01	8.34E-01	1.47E+00	2.10E+00	3.48E+00	5.16E+00
1.57E+00	2.28E-03	2.37E+01	9.17E-01	8.11E-01	1.43E+00	2.04E+00	3.38E+00	5.02E+00
1.66E+00	2.21E-03	2.29E+01	8.89E-01	7.87E-01	1.39E+00	1.97E+00	3.27E+00	4.86E+00
1.76E+00	2.14E-03	2.21E+01	8.60E-01	7.62E-01	1.34E+00	1.91E+00	3.17E+00	4.71E+00
1.86E+00	2.07E-03	2.13E+01	8.31E-01	7.36E-01	1.30E+00	1.85E+00	3.06E+00	4.55E+00
1.97E+00	1.99E-03	2.04E+01	8.01E-01	7.10E-01	1.25E+00	1.78E+00	2.95E+00	4.38E+00
2.09E+00	1.92E-03	1.96E+01	7.70E-01	6.83E-01	1.20E+00	1.71E+00	2.83E+00	4.22E+00
2.21E+00	1.84E-03	1.87E+01	7.39E-01	6.56E-01	1.16E+00	1.64E+00	2.72E+00	4.05E+00
2.34E+00	1.76E-03	1.79E+01	7.08E-01	6.28E-01	1.11E+00	1.57E+00	2.60E+00	3.87E+00
2.47E+00	1.68E-03	1.70E+01	6.76E-01	6.02E-01	1.06E+00	1.50E+00	2.48E+00	3.70E+00
2.62E+00	1.60E-03	1.61E+01	6.44E-01	5.74E-01	1.01E+00	1.43E+00	2.37E+00	3.52E+00
2.77E+00	1.52E-03	1.52E+01	6.12E-01	5.45E-01	9.56E-01	1.36E+00	2.25E+00	3.35E+00
2.93E+00	1.44E-03	1.43E+01	5.79E-01	5.16E-01	9.06E-01	1.29E+00	2.13E+00	3.17E+00
3.00E+00	1.41E-03	1.40E+01	5.66E-01	5.05E-01	8.85E-01	1.26E+00	2.08E+00	3.10E+00
3.310E+00	1.36E-03	1.35E+01	5.47E-01	4.88E-01	8.55E-01	1.22E+00	2.01E+00	2.99E+00
3.328E+00	1.28E-03	1.26E+01	5.15E-01	4.59E-01	8.05E-01	1.14E+00	1.89E+00	2.81E+00
3.48E+00	1.20E-03	1.17E+01	4.83E-01	4.30E-01	7.54E-01	1.07E+00	1.77E+00	2.64E+00
3.68E+00	1.12E-03	1.09E+01	4.51E-01	4.02E-01	7.06E-01	1.00E+00	1.65E+00	2.46E+00
3.89E+00	1.05E-03	1.01E+01	4.20E-01	3.74E-01	6.57E-01	9.33E-01	1.53E+00	2.29E+00
4.12E+00	9.69E-04	9.26E+00	3.89E-01	3.47E-01	6.09E-01	8.64E-01	1.42E+00	2.12E+00
4.36E+00	8.94E-04	8.47E+00	3.59E-01	3.20E-01	5.61E-01	8.22E-01	1.31E+00	1.96E+00
4.61E+00	8.21E-04	7.71E+00	3.30E-01	2.94E-01	5.17E-01	7.54E-01	1.20E+00	1.80E+00
4.88E+00	7.50E-04	6.99E+00	3.02E-01	2.69E-01	4.74E-01	6.89E-01	1.12E+00	1.64E+00
5.17E+00	6.82E-04	6.29E+00	2.75E-01	2.44E-01	4.30E-01	6.49E-01	1.06E+00	1.49E+00
5.47E+00	6.16E-04	5.63E+00	2.49E-01	2.21E-01	3.89E-01	6.10E-01	9.60E-01	1.35E+00
5.578E+00	5.54E-04	5.01E+00	2.24E-01	1.99E-01	3.49E-01	5.47E-01	8.62E-01	1.21E+00
6.12E+00	4.94E-04	4.42E+00	2.01E-01	1.77E-01	3.12E-01	4.88E-01	7.73E-01	1.08E+00
6.48E+00	4.39E-04	3.87E+00	1.78E-01	1.57E-01	2.79E-01	4.32E-01	6.99E-01	9.56E-01
6.86E+00	3.86E-04	3.37E+00	1.57E-01	1.39E-01	2.46E-01	3.80E-01	6.16E-01	8.42E-01
7.26E+00	3.38E-04	2.91E+00	1.37E-01	1.21E-01	2.15E-01	3.37E-01	5.38E-01	7.36E-01
7.68E+00	2.93E-04	2.49E+00	1.19E-01	1.05E-01	1.91E-01	2.92E-01	4.67E-01	6.38E-01
8.13E+00	2.52E-04	2.11E+00	1.03E-01	9.04E-02	1.64E-01	2.53E-01	4.02E-01	5.48E-01
8.60E+00	2.15E-04	1.77E+00	8.78E-02	7.71E-02	1.40E-01	2.20E-01	3.43E-01	4.67E-01
9.10E+00	1.82E-04	1.47E+00	7.43E-02	6.52E-02	1.19E-01	1.85E-01	2.89E-01	3.94E-01
9.63E+00	1.52E-04	1.21E+00	6.23E-02	5.45E-02	9.95E-02	1.61E-01	2.42E-01	3.30E-01
1.00E+01	1.34E-04	1.06E+00	5.50E-02	4.84E-02	8.78E-02	1.42E-01	2.13E-01	2.91E-01
1.02E+01	1.26E-04	9.85E-01	5.16E-02	4.54E-02	8.24E-02	1.33E-01	2.01E-01	2.73E-01
1.08E+01	1.03E-04	7.91E-01	4.23E-02	3.72E-02	6.74E-02	1.09E-01	1.64E-01	2.23E-01
1.14E+01	8.35E-05	6.27E-01	3.43E-02	3.02E-02	5.46E-02	8.89E-02	1.33E-01	1.81E-01
1.21E+01	6.68E-05	4.91E-01	2.75E-02	2.42E-02	4.36E-02	7.10E-02	1.06E-01	1.44E-01
1.28E+01	5.27E-05	3.79E-01	2.17E-02	1.91E-02	3.50E-02	5.59E-02	8.53E-02	1.14E-01
1.35E+01	4.11E-05	2.88E-01	1.69E-02	1.49E-02	2.73E-02	4.45E-02	6.62E-02	8.84E-02
1.43E+01	3.15E-05	2.15E-01	1.30E-02	1.14E-02	2.09E-02	3.75E-02	5.07E-02	6.78E-02
1.51E+01	2.38E-05	1.58E-01	9.85E-03	8.64E-03	1.58E-02	2.83E-02	3.82E-02	5.11E-02
1.60E+01	1.77E-05	1.14E-01	7.32E-03	6.42E-03	1.18E-02	2.10E-02	2.83E-02	3.80E-02
1.70E+01	1.29E-05	8.09E-02	5.35E-03	4.69E-03	8.60E-03	1.53E-02	2.06E-02	2.77E-02
1.80E+01	9.28E-06	5.62E-02	3.84E-03	3.37E-03	6.16E-03	1.12E-02	1.47E-02	1.98E-02
1.90E+01	6.53E-06	3.82E-02	2.70E-03	2.37E-03	4.43E-03	7.86E-03	1.04E-02	1.39E-02

2.01E+01 4.50E-06 2.54E-02 1.86E-03 1.64E-03 3.05E-03 5.41E-03 7.15E-03 9.62E-03



2.13E+01    3.04E-06    1.65E-02    1.26E-03    1.10E-03    2.06E-03    3.71E-03    4.82E-03    6.50E-03

2.25E+01 2.00E-06 1.04E-02 8.30E-04 7.30E-04 1.35E-03 2.44E-03 3.18E-03 4.30E-03

2.38E+01 1.29E-06 6.43E-03 5.34E-04 4.71E-04 8.70E-04 1.66E-03 2.05E-03 2.78E-03

2.52E+01 8.08E-07 3.85E-03 3.35E-04 2.95E-04 5.45E-04 1.04E-03 1.31E-03 1.75E-03

2.67E+01 4.93E-07 2.24E-03 2.05E-04 1.80E-04 3.32E-04 6.94E-04 7.96E-04 1.08E-03

2.82E+01 2.93E-07 1.26E-03 1.21E-04 1.07E-04 1.97E-04 4.09E-04 4.79E-04 6.59E-04

2.99E+01 1.68E-07 6.88E-04 6.98E-05 6.16E-05 1.13E-04 2.34E-04 2.74E-04 3.96E-04

3.00E+01 1.62E-07 6.59E-04 6.71E-05 5.92E-05 1.08E-04 2.25E-04 2.63E-04 3.82E-04



3.16E+01	9.38E-08	3.62E-04	3.89E-05	3.44E-05	6.28E-05	1.30E-04	1.51E-04	2.15E-04
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3.35E+01 5.05E-08 1.83E-04 2.09E-05 1.85E-05 3.46E-05 6.93E-05 8.06E-05 1.11E-04

3.54E+01 2.62E-08 8.93E-05 1.09E-05 9.63E-06 1.79E-05 3.57E-05 4.16E-05 5.51E-05

3.75E+01 1.31E-08 4.17E-05 5.43E-06 4.83E-06 9.07E-06 1.77E-05 2.07E-05 2.63E-05

3.97E+01 6.30E-09 1.86E-05 2.61E-06 2.32E-06 4.35E-06 8.44E-06 9.95E-06 1.21E-05

4.20E+01 2.90E-09 8.19E-06 1.20E-06 1.07E-06 2.00E-06 4.01E-06 4.57E-06 5.56E-06

4.44E+01 1.27E-09 3.56E-06 5.28E-07 4.70E-07 8.76E-07 1.74E-06 2.01E-06 2.44E-06

4.70E+01 5.34E-10 1.47E-06 2.21E-07 1.97E-07 3.66E-07 7.23E-07 8.42E-07 1.02E-06



4.97E+01 2.13E-10 5.78E-07 8.80E-08 7.89E-08 1.52E-07 2.85E-07 3.32E-07 4.06E-07

5.26E+01 8.04E-11 2.15E-07 3.33E-08 2.98E-08 5.69E-08 1.06E-07 1.25E-07 1.53E-07

5.57E+01 2.87E-11 7.56E-08 1.19E-08 1.07E-08 2.01E-08 3.95E-08 4.45E-08 5.00E-08

5.90E+01 9.65E-12 2.50E-08 3.99E-09 3.59E-09 6.71E-09 1.30E-08 1.48E-08 1.60E-08

6.24E+01 3.04E-12 7.75E-09 1.26E-09 1.13E-09 2.10E-09 3.86E-09 4.66E-09 5.04E-09

6.60E+01	8.98E-13	2.24E-09	3.69E-10	3.36E-10	6.12E-10	1.11E-09	1.37E-09	1.46E-09
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6.99E+01 0.00E+00 6.04E-10 1.01E-10 9.25E-11 1.66E-10 2.96E-10 3.76E-10 3.95E-10

7.39E+01    0.00E+00    1.51E-10    2.58E-11    2.36E-11    4.45E-11    7.58E-11    9.57E-11    1.00E-10



7.82E+01	0.00E+00	3.47E-11	6.09E-12	5.57E-12	1.05E-11	1.75E-11	2.25E-11	2.35E-11
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8.28E+01 0.00E+00 7.33E-12 1.32E-12 1.21E-12 2.24E-12 3.71E-12 4.86E-12 5.06E-12

8.76E+01	0.00E+00	1.41E-12	2.61E-13	2.39E-13	4.18E-13	7.23E-13	9.59E-13	9.97E-13
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9.27E+01	0.00E+00	2.48E-13	4.70E-14	4.31E-14	7.48E-14	1.27E-13	1.73E-13	1.78E-13
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9.81E+01	0.00E+00	3.93E-14	7.66E-15	7.04E-15	1.21E-14	2.02E-14	2.81E-14	2.89E-14
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1.00E+02	0.00E+00	2.08E-14	4.09E-15	3.76E-15	6.44E-15	1.07E-14	1.50E-14	1.54E-14
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1.04E+02 0.00E+00 5.59E-15 1.12E-15 1.03E-15 1.76E-15 2.89E-15 4.11E-15 4.37E-15

1.10E+02 0.00E+00 7.10E-16 1.47E-16 1.35E-16 2.31E-16 3.75E-16 5.37E-16 5.70E-16



1.16E+02 0.00E+00 7.99E-17 1.72E-17 1.58E-17 2.68E-17 4.32E-17 6.24E-17 6.60E-17

1.23E+02 0.00E+00 7.93E-18 1.77E-18 1.63E-18 2.72E-18 4.44E-18 6.39E-18 6.74E-18

1.30E+02 0.00E+00 6.87E-19 1.59E-19 1.47E-19 2.44E-19 3.93E-19 5.74E-19 6.03E-19

1.38E+02    0.00E+00    5.24E-20    1.25E-20    1.16E-20    1.88E-20    3.05E-20    4.47E-20    4.57E-20

1.46E+02    0.00E+00    3.50E-21    8.48E-22    7.88E-22    1.26E-21    2.08E-21    3.00E-21    3.07E-21

1.54E+02    0.00E+00    2.00E-22    4.93E-23    4.57E-23    7.27E-23    1.19E-22    1.72E-22    1.76E-22

1.63E+02	0.00E+00	9.68E-24	2.43E-24	2.24E-24	3.72E-24	7.38E-24	8.38E-24	8.56E-24
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1.73E+02	0.00E+00	3.92E-25	1.01E-25	9.20E-26	1.65E-25	2.88E-25	3.42E-25	3.44E-25
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1.83E+02	0.00E+00	1.32E-26	3.55E-27	3.12E-27	5.98E-27	1.06E-26	1.16E-26	1.16E-26
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1.94E+02 0.00E+00 3.64E-28 1.02E-28 8.69E-29 1.95E-28 3.20E-28 3.21E-28 3.29E-28

2.05E+02 0.00E+00 5.68E-30 6.36E-31 0.00E+00 3.56E-30 5.54E-30 5.63E-30 5.67E-30

[illegible]

[illegible]

[illegible]

[illegible]

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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
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[illegible]

[illegible]

[illegible]

[illegible]

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6.01E+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
```

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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
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Summary of dose at graphical times, reptition 3								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.13E-03	3.30E+01	1.55E+00	1.36E+00	2.42E+00	3.33E+00	5.72E+00	1.14E+01
1.00E+00	1.52E-03	2.29E+01	1.10E+00	9.73E-01	1.73E+00	2.37E+00	4.08E+00	8.07E+00
1.06E+00	1.50E-03	2.24E+01	1.08E+00	9.54E-01	1.69E+00	2.32E+00	4.00E+00	7.91E+00
1.12E+00	1.46E-03	2.19E+01	1.06E+00	9.34E-01	1.66E+00	2.28E+00	3.91E+00	7.74E+00
1.19E+00	1.43E-03	2.14E+01	1.04E+00	9.15E-01	1.62E+00	2.23E+00	3.83E+00	7.57E+00
1.25E+00	1.40E-03	2.08E+01	1.01E+00	8.94E-01	1.59E+00	2.17E+00	3.74E+00	7.39E+00
1.33E+00	1.37E-03	2.03E+01	9.89E-01	8.74E-01	1.55E+00	2.12E+00	3.65E+00	7.21E+00
1.40E+00	1.33E-03	1.97E+01	9.64E-01	8.52E-01	1.51E+00	2.07E+00	3.55E+00	7.02E+00
1.49E+00	1.29E-03	1.91E+01	9.37E-01	8.29E-01	1.47E+00	2.01E+00	3.46E+00	6.83E+00
1.57E+00	1.26E-03	1.85E+01	9.11E-01	8.05E-01	1.42E+00	1.95E+00	3.36E+00	6.63E+00
1.66E+00	1.22E-03	1.79E+01	8.83E-01	7.81E-01	1.38E+00	1.89E+00	3.25E+00	6.42E+00
1.76E+00	1.18E-03	1.73E+01	8.55E-01	7.56E-01	1.34E+00	1.83E+00	3.15E+00	6.21E+00
1.86E+00	1.14E-03	1.67E+01	8.26E-01	7.30E-01	1.29E+00	1.77E+00	3.04E+00	5.99E+00
1.97E+00	1.10E-03	1.60E+01	7.96E-01	7.04E-01	1.24E+00	1.70E+00	2.93E+00	5.77E+00
2.09E+00	1.06E-03	1.54E+01	7.66E-01	6.77E-01	1.20E+00	1.64E+00	2.82E+00	5.55E+00
2.21E+00	1.02E-03	1.47E+01	7.35E-01	6.50E-01	1.15E+00	1.57E+00	2.70E+00	5.32E+00
2.34E+00	9.73E-04	1.40E+01	7.04E-01	6.23E-01	1.10E+00	1.51E+00	2.59E+00	5.09E+00
2.47E+00	9.29E-04	1.33E+01	6.73E-01	5.95E-01	1.05E+00	1.44E+00	2.47E+00	4.86E+00
2.62E+00	8.85E-04	1.26E+01	6.41E-01	5.67E-01	1.00E+00	1.37E+00	2.35E+00	4.62E+00
2.77E+00	8.41E-04	1.19E+01	6.09E-01	5.39E-01	9.52E-01	1.30E+00	2.24E+00	4.39E+00
2.93E+00	7.96E-04	1.13E+01	5.77E-01	5.10E-01	9.01E-01	1.23E+00	2.12E+00	4.15E+00
3.00E+00	7.79E-04	1.10E+01	5.64E-01	4.99E-01	8.81E-01	1.20E+00	2.07E+00	4.05E+00
3.10E+00	7.52E-04	1.06E+01	5.45E-01	4.82E-01	8.51E-01	1.16E+00	2.00E+00	3.91E+00
3.28E+00	7.08E-04	9.90E+00	5.13E-01	4.54E-01	8.01E-01	1.09E+00	1.88E+00	3.68E+00
3.48E+00	6.64E-04	9.22E+00	4.81E-01	4.26E-01	7.51E-01	1.02E+00	1.76E+00	3.44E+00
3.68E+00	6.20E-04	8.56E+00	4.49E-01	3.99E-01	7.02E-01	9.57E-01	1.64E+00	3.21E+00
3.89E+00	5.77E-04	7.92E+00	4.19E-01	3.71E-01	6.81E-01	8.90E-01	1.53E+00	2.98E+00
4.12E+00	5.35E-04	7.28E+00	3.88E-01	3.44E-01	6.31E-01	8.49E-01	1.42E+00	2.76E+00
4.36E+00	4.93E-04	6.67E+00	3.59E-01	3.17E-01	5.82E-01	7.83E-01	1.31E+00	2.54E+00
4.61E+00	4.53E-04	6.08E+00	3.30E-01	2.91E-01	5.35E-01	7.19E-01	1.20E+00	2.33E+00
4.88E+00	4.14E-04	5.51E+00	3.02E-01	2.66E-01	4.89E-01	6.56E-01	1.14E+00	2.12E+00
5.17E+00	3.76E-04	4.96E+00	2.75E-01	2.43E-01	4.46E-01	5.96E-01	1.05E+00	1.92E+00
5.47E+00	3.40E-04	4.44E+00	2.49E-01	2.20E-01	4.03E-01	5.45E-01	9.46E-01	1.76E+00
5.78E+00	3.05E-04	3.95E+00	2.24E-01	1.97E-01	3.62E-01	4.89E-01	8.50E-01	1.58E+00
6.12E+00	2.73E-04	3.49E+00	2.01E-01	1.77E-01	3.23E-01	4.37E-01	7.58E-01	1.40E+00
6.48E+00	2.42E-04	3.06E+00	1.78E-01	1.57E-01	2.87E-01	3.87E-01	6.79E-01	1.24E+00
6.86E+00	2.13E-04	2.67E+00	1.57E-01	1.38E-01	2.53E-01	3.41E-01	5.98E-01	1.09E+00
7.26E+00	1.86E-04	2.30E+00	1.37E-01	1.21E-01	2.21E-01	3.07E-01	5.23E-01	9.51E-01
7.68E+00	1.62E-04	1.97E+00	1.19E-01	1.05E-01	1.92E-01	2.66E-01	4.53E-01	8.22E-01
8.13E+00	1.39E-04	1.67E+00	1.03E-01	9.04E-02	1.65E-01	2.44E-01	3.91E-01	7.05E-01
8.60E+00	1.19E-04	1.41E+00	8.79E-02	7.71E-02	1.41E-01	2.08E-01	3.34E-01	5.99E-01
9.10E+00	1.00E-04	1.17E+00	7.44E-02	6.52E-02	1.19E-01	1.76E-01	2.82E-01	5.04E-01
9.63E+00	8.39E-05	9.64E-01	6.23E-02	5.46E-02	9.97E-02	1.49E-01	2.36E-01	4.20E-01
1.00E+01	7.41E-05	8.41E-01	5.51E-02	4.82E-02	8.80E-02	1.31E-01	2.08E-01	3.70E-01
1.02E+01	6.95E-05	7.84E-01	5.17E-02	4.52E-02	8.26E-02	1.23E-01	1.95E-01	3.47E-01
1.08E+01	5.69E-05	6.31E-01	4.23E-02	3.70E-02	6.76E-02	1.01E-01	1.61E-01	2.83E-01
1.14E+01	4.61E-05	5.01E-01	3.43E-02	3.00E-02	5.47E-02	8.78E-02	1.31E-01	2.28E-01
1.21E+01	3.69E-05	3.92E-01	2.75E-02	2.40E-02	4.38E-02	7.09E-02	1.04E-01	1.81E-01
1.28E+01	2.91E-05	3.03E-01	2.18E-02	1.90E-02	3.46E-02	5.59E-02	8.36E-02	1.42E-01
1.35E+01	2.27E-05	2.31E-01	1.69E-02	1.48E-02	2.69E-02	4.34E-02	6.51E-02	1.10E-01
1.43E+01	1.74E-05	1.73E-01	1.30E-02	1.13E-02	2.06E-02	3.32E-02	4.99E-02	8.40E-02
1.51E+01	1.31E-05	1.27E-01	9.82E-03	8.57E-03	1.56E-02	2.51E-02	3.77E-02	6.31E-02
1.60E+01	9.77E-06	9.20E-02	7.31E-03	6.38E-03	1.16E-02	1.86E-02	2.89E-02	4.66E-02
1.70E+01	7.14E-06	6.53E-02	5.35E-03	4.66E-03	8.47E-03	1.38E-02	2.11E-02	3.38E-02
1.80E+01	5.12E-06	4.54E-02	3.84E-03	3.34E-03	6.07E-03	1.08E-02	1.51E-02	2.41E-02
1.90E+01	3.60E-06	3.10E-02	2.70E-03	2.35E-03	4.27E-03	7.57E-03	1.06E-02	1.68E-02

2.01E+01 2.49E-06 2.06E-02 1.86E-03 1.62E-03 2.96E-03 5.21E-03 7.28E-03 1.15E-02

2.13E+01 1.68E-06 1.34E-02 1.26E-03 1.10E-03 2.02E-03 3.51E-03 4.90E-03 7.68E-03

2.25E+01 1.11E-06 8.51E-03 8.30E-04 7.23E-04 1.33E-03 2.45E-03 3.22E-03 5.01E-03

2.38E+01 7.12E-07 5.26E-03 5.34E-04 4.66E-04 8.58E-04 1.57E-03 2.06E-03 3.20E-03

2.52E+01 4.46E-07 3.16E-03 3.35E-04 2.93E-04 5.37E-04 1.01E-03 1.29E-03 1.98E-03



2.67E+01    2.73E-07    1.84E-03    2.05E-04    1.79E-04    3.27E-04    6.48E-04    7.88E-04    1.20E-03

2.82E+01 1.62E-07 1.04E-03 1.22E-04 1.06E-04 1.94E-04 3.83E-04 4.67E-04 6.85E-04

2.99E+01 9.30E-08 5.70E-04 6.98E-05 6.12E-05 1.12E-04 2.20E-04 2.69E-04 3.87E-04

3.00E+01	8.94E-08	5.45E-04	6.71E-05	5.89E-05	1.07E-04	2.11E-04	2.58E-04	3.72E-04
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3.16E+01 5.18E-08 3.09E-04 3.89E-05 3.42E-05 6.20E-05 1.22E-04 1.50E-04 2.13E-04

3.35E+01 2.79E-08 1.70E-04 2.09E-05 1.84E-05 3.33E-05 6.54E-05 8.05E-05 1.13E-04

3.54E+01	1.45E-08	9.35E-05	1.09E-05	9.56E-06	1.73E-05	3.58E-05	4.18E-05	5.76E-05
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3.75E+01 7.25E-09 4.88E-05 5.45E-06 4.78E-06 8.62E-06 1.78E-05 2.10E-05 2.83E-05



3.97E+01 3.48E-09 2.30E-05 2.61E-06 2.30E-06 4.16E-06 8.46E-06 1.00E-05 1.33E-05

4.20E+01 1.60E-09 1.04E-05 1.20E-06 1.06E-06 1.91E-06 3.86E-06 4.60E-06 6.02E-06

4.44E+01 7.06E-10 4.46E-06 5.28E-07 4.66E-07 8.39E-07 1.68E-06 2.02E-06 2.60E-06

4.70E+01 2.96E-10 1.83E-06 2.21E-07 1.96E-07 3.51E-07 7.57E-07 8.37E-07 1.06E-06

4.97E+01 1.18E-10 7.12E-07 8.83E-08 7.81E-08 1.39E-07 2.99E-07 3.33E-07 4.15E-07

5.26E+01 4.46E-11 2.62E-07 3.33E-08 2.95E-08 5.25E-08 1.11E-07 1.27E-07 1.53E-07

5.57E+01	1.59E-11	9.10E-08	1.19E-08	1.06E-08	1.91E-08	3.89E-08	4.48E-08	5.32E-08
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5.90E+01 1.32E-11 2.97E-08 3.99E-09 3.55E-09 6.37E-09 1.29E-08 1.50E-08 1.74E-08



6.24E+01 4.17E-12 9.10E-09 1.26E-09 1.12E-09 2.02E-09 3.99E-09 4.69E-09 5.33E-09

6.60E+01	1.23E-12	2.60E-09	3.71E-10	3.32E-10	5.96E-10	1.15E-09	1.38E-09	1.53E-09
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6.99E+01 3.37E-13 6.90E-10 1.02E-10 9.12E-11 1.63E-10 3.53E-10 3.79E-10 4.11E-10

7.39E+01 8.59E-14 1.70E-10 2.60E-11 2.34E-11 4.21E-11 8.86E-11 9.63E-11 1.03E-10

7.82E+01	2.02E-14	3.84E-11	6.13E-12	5.52E-12	9.89E-12	2.07E-11	2.26E-11	2.37E-11
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8.28E+01 4.37E-15 7.98E-12 1.32E-12 1.20E-12 2.09E-12 4.40E-12 4.87E-12 5.03E-12

8.76E+01	8.63E-16	1.51E-12	2.62E-13	2.37E-13	4.11E-13	8.57E-13	9.59E-13	9.88E-13
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9.27E+01 1.55E-16 2.60E-13 4.72E-14 4.28E-14 7.38E-14 1.51E-13 1.72E-13 1.78E-13



9.81E+01 2.53E-17 4.04E-14 7.68E-15 6.99E-15 1.20E-14 2.40E-14 2.80E-14 2.88E-14

1.00E+02 1.35E-17 2.12E-14 4.09E-15 3.73E-15 6.37E-15 1.26E-14 1.49E-14 1.54E-14

1.04E+02    3.70E-18    5.63E-15    1.12E-15    1.02E-15    1.75E-15    3.36E-15    4.08E-15    4.21E-15

1.10E+02 4.85E-19 6.99E-16 1.47E-16 1.35E-16 2.28E-16 4.18E-16 5.34E-16 5.50E-16

1.16E+02 5.64E-20 7.69E-17 1.72E-17 1.58E-17 2.70E-17 5.00E-17 6.21E-17 6.38E-17

1.23E+02 5.79E-21 7.44E-18 1.77E-18 1.64E-18 2.76E-18 4.88E-18 6.37E-18 6.51E-18

1.30E+02 5.21E-22 6.44E-19 1.60E-19 1.48E-19 2.49E-19 4.47E-19 5.71E-19 5.83E-19

1.38E+02 4.07E-23 4.96E-20 1.25E-20 1.15E-20 1.93E-20 3.31E-20 4.45E-20 4.54E-20



1.46E+02 2.74E-24 3.29E-21 8.48E-22 7.82E-22 1.29E-21 2.24E-21 2.99E-21 3.04E-21

1.54E+02    1.58E-25    1.86E-22    4.92E-23    4.53E-23    7.42E-23    1.25E-22    1.72E-22    1.74E-22

1.63E+02    9.10E-27    8.93E-24    2.43E-24    2.23E-24    3.92E-24    5.92E-24    8.37E-24    8.45E-24

1.73E+02    3.71E-28    3.58E-25    1.01E-25    9.12E-26    1.60E-25    2.36E-25    3.42E-25    3.44E-25

1.83E+02 1.21E-29 1.19E-26 3.54E-27 3.11E-27 6.06E-27 1.04E-26 1.16E-26 1.16E-26

1.94E+02 0.00E+00 3.29E-28 1.03E-28 8.73E-29 1.98E-28 3.19E-28 3.21E-28 3.25E-28

2.05E+02    0.00E+00    5.68E-30    6.32E-31    0.00E+00    3.29E-30    5.54E-30    5.64E-30    5.68E-30

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

```
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
```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]



```
6.01E+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
```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

```
8.93E+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
```

[illegible]

[illegible]

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Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CS-134.RAD

Peak of the mean dose (averaged over observations) at graphical times		
Repetition	Time of peak mean dose	Peak mean dose
	Years	mrem/yr
1	0.000E+00	1.510E+00
2	0.000E+00	1.558E+00
3	0.000E+00	1.546E+00

Title : RESRAD Default Parameters  
Input File : FCS BFM INSITU UA CS-134.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	15 -0.01	15 -0.01	10 -0.03	10 -0.01
Contaminated zone b parameter	5 -0.07	5 -0.07	14 -0.01	14 -0.01
Evapotranspiration coefficient	9 -0.03	9 -0.03	15 0.01	15 0.00
Wind Speed	7 0.04	7 0.04	17 0.00	17 0.00
Runoff coefficient	6 -0.07	6 -0.06	8 -0.03	8 -0.01
b Parameter of Unsaturated zone 1	16 -0.01	16 -0.01	7 0.03	7 0.01
Mass loading for inhalation	17 0.00	17 0.00	16 0.00	16 0.00
Indoor dust filtration factor	11 0.02	11 0.02	9 -0.03	9 -0.01
Depth of soil mixing layer	10 -0.03	10 -0.03	13 0.02	13 0.01
Depth of roots	1 0.26	1 0.25	1 0.87	1 0.71
Wet weight crop yield of fruit, grain and non-leafy vegetables	3 0.08	3 0.08	11 0.03	11 0.01
Weathering removal constant of all vegetation	12 -0.02	12 -0.02	6 -0.04	6 -0.02
Wet foliar interception fraction of leafy vegetables	8 -0.03	8 -0.03	5 -0.05	5 -0.02
Humidity in air	4 0.07	4 0.07	3 0.09	3 0.04
Cover erosion rate	14 -0.02	14 -0.02	4 -0.06	4 -0.02
Kd of Cs-134 in Contaminated Zone	2 -0.12	2 -0.11	2 -0.82	2 -0.57
Kd of Cs-134 in Saturated Zone	13 -0.02	13 -0.02	12 -0.03	12 -0.01
R-SQUARE	0.10	0.10	0.84	0.84

-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 CS-134.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 -0.02	8 -0.02	9 0.06	9 0.02
Contaminated zone b parameter	7 0.03	7 0.03	13 0.02	13 0.01
Evapotranspiration coefficient	14 0.01	14 0.01	15 0.01	15 0.00
Wind Speed	4 0.05	4 0.05	11 0.04	11 0.02
Runoff coefficient	17 0.00	17 0.00	7 0.07	7 0.03
b Parameter of Unsaturated zone 1	15 0.00	15 0.00	12 0.03	12 0.01
Mass loading for inhalation	13 -0.01	13 -0.01	14 0.02	14 0.01
Indoor dust filtration factor	5 -0.04	5 -0.04	17 0.00	17 0.00
Depth of soil mixing layer	2 0.07	2 0.07	16 -0.01	16 0.00
Depth of roots	1 0.21	1 0.21	1 0.87	1 0.70
Wet weight crop yield of fruit, grain and non-leafy vegetables	11 -0.02	11 -0.01	4 0.11	4 0.05
Weathering removal constant of all vegetation	9 -0.02	9 -0.02	5 -0.10	5 -0.04
Wet foliar interception fraction of leafy vegetables	6 0.03	6 0.03	3 0.16	3 0.06
Humidity in air	10 0.02	10 0.02	10 -0.06	10 -0.02
Cover erosion rate	12 -0.01	12 -0.01	6 -0.07	6 -0.03
Kd of Cs-134 in Contaminated Zone	3 -0.06	3 -0.06	2 -0.83	2 -0.59
Kd of Cs-134 in Saturated Zone	16 0.00	16 0.00	8 0.06	8 0.03
R-SQUARE	0.06	0.06	0.84	0.84

-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 CS-134.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	16	0.00	16	0.00	13	0.03	13	0.01
Contaminated zone b parameter	15	0.01	15	0.01	3	0.16	3	0.06
Evapotranspiration coefficient	17	0.00	17	0.00	10	-0.05	10	-0.02
Wind Speed	6	-0.06	6	-0.05	12	0.03	12	0.01
Runoff coefficient	5	-0.06	5	-0.06	17	0.00	17	0.00
b Parameter of Unsaturated zone 1	13	0.01	13	0.01	7	0.06	7	0.02
Mass loading for inhalation	3	0.10	3	0.09	9	0.06	9	0.02
Indoor dust filtration factor	14	-0.01	14	-0.01	14	-0.02	14	-0.01
Depth of soil mixing layer	10	-0.01	10	-0.01	15	-0.01	15	-0.01
Depth of roots	1	0.29	1	0.28	1	0.88	1	0.72
Wet weight crop yield of fruit, grain and non-leafy vegetables	7	-0.04	7	-0.04	16	-0.01	16	0.00
Weathering removal constant of all vegetation	12	-0.01	12	-0.01	5	-0.08	5	-0.03
Wet foliar interception fraction of leafy vegetables	9	0.02	9	0.02	8	0.06	8	0.02
Humidity in air	8	-0.03	8	-0.03	4	-0.09	4	-0.03
Cover erosion rate	4	0.06	4	0.06	11	-0.03	11	-0.01
Kd of Cs-134 in Contaminated Zone	2	-0.10	2	-0.09	2	-0.83	2	-0.58
Kd of Cs-134 in Saturated Zone	11	-0.01	11	-0.01	6	-0.08	6	-0.03
R-SQUARE	0.11		0.11		0.85		0.85	

-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.