

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
H-3										
Min	0.00E+00	6.88E-02	6.88E-02	5.58E-02	3.48E-02	4.49E-04	1.73E-11	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	1.53E-01	1.53E-01	1.28E-01	9.07E-02	2.79E-02	1.87E-03	2.63E-07	2.57E-18	0.00E+00
Avg	0.00E+00	1.18E-01	1.18E-01	9.50E-02	6.14E-02	1.40E-02	3.02E-04	3.01E-09	1.77E-21	0.00E+00
Std	0.00E+00	1.37E-02	1.37E-02	1.17E-02	1.07E-02	6.14E-03	3.32E-04	1.14E-08	5.51E-20	0.00E+00
ALL										
Min	0.00E+00	6.88E-02	6.88E-02	5.58E-02	3.48E-02	4.49E-04	1.73E-11	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	1.53E-01	1.53E-01	1.28E-01	9.07E-02	2.79E-02	1.87E-03	2.63E-07	2.57E-18	0.00E+00
Avg	0.00E+00	1.18E-01	1.18E-01	9.50E-02	6.14E-02	1.40E-02	3.02E-04	3.01E-09	1.77E-21	0.00E+00
Std	0.00E+00	1.37E-02	1.37E-02	1.17E-02	1.07E-02	6.14E-03	3.32E-04	1.14E-08	5.51E-20	0.00E+00

ALL is total dose summed for all nuclides.

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Probabilistic Risk Summary

Nuclide	RISK(j,t)							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
H-3								
Min	4.23E-06	3.50E-06	2.27E-06	3.51E-08	1.93E-15	0.00E+00	0.00E+00	0.00E+00
Max	9.74E-06	8.21E-06	5.80E-06	1.76E-06	1.16E-07	1.63E-11	1.59E-22	0.00E+00
Avg	7.64E-06	6.14E-06	3.96E-06	8.98E-07	1.92E-08	1.89E-13	1.09E-25	0.00E+00
Std	9.62E-07	7.70E-07	6.56E-07	3.80E-07	2.08E-08	7.09E-13	3.42E-24	0.00E+00
<hr/>								
ALL								
Min	4.23E-06	3.50E-06	2.27E-06	3.51E-08	1.93E-15	0.00E+00	0.00E+00	0.00E+00
Max	9.74E-06	8.21E-06	5.80E-06	1.76E-06	1.16E-07	1.63E-11	1.59E-22	0.00E+00
Avg	7.64E-06	6.14E-06	3.96E-06	8.98E-07	1.92E-08	1.89E-13	1.09E-25	0.00E+00
Std	9.62E-07	7.70E-07	6.56E-07	3.80E-07	2.08E-08	7.09E-13	3.42E-24	0.00E+00
<hr/>								

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
H-3								
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

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3								
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	1.64E-05	8.15E-06	1.26E-07	5.49E-14	7.21E-26	0.00E+00
Avg	0.00E+00	0.00E+00	1.77E-08	5.18E-08	1.16E-10	1.95E-17	2.80E-29	0.00E+00
Std	0.00E+00	0.00E+00	4.23E-07	4.54E-07	2.45E-09	1.00E-15	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	1.64E-05	8.15E-06	1.26E-07	5.49E-14	7.21E-26	0.00E+00
Avg	0.00E+00	0.00E+00	1.77E-08	5.18E-08	1.16E-10	1.95E-17	2.80E-29	0.00E+00
Std	0.00E+00	0.00E+00	4.23E-07	4.54E-07	2.45E-09	1.00E-15	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): 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
H-3								
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
H-3								
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	1.48E-02	1.25E-02	9.30E-03	2.80E-03	1.91E-04	2.43E-08	2.55E-19	0.00E+00
Avg	7.83E-03	6.30E-03	4.11E-03	9.45E-04	2.10E-05	2.30E-10	1.35E-22	0.00E+00
Std	4.64E-03	3.74E-03	2.49E-03	7.15E-04	2.88E-05	9.74E-10	4.78E-21	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	1.48E-02	1.25E-02	9.30E-03	2.80E-03	1.91E-04	2.43E-08	2.55E-19	0.00E+00
Avg	7.83E-03	6.30E-03	4.11E-03	9.45E-04	2.10E-05	2.30E-10	1.35E-22	0.00E+00
Std	4.64E-03	3.74E-03	2.49E-03	7.15E-04	2.88E-05	9.74E-10	4.78E-21	0.00E+00

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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
H-3								
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	1.38E-03	1.16E-03	8.58E-04	2.66E-04	1.76E-05	2.24E-09	2.35E-20	0.00E+00
Avg	7.31E-04	5.89E-04	3.84E-04	8.82E-05	1.95E-06	2.13E-11	1.24E-23	0.00E+00
Std	4.34E-04	3.49E-04	2.32E-04	6.64E-05	2.67E-06	8.99E-11	4.40E-22	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	1.38E-03	1.16E-03	8.58E-04	2.66E-04	1.76E-05	2.24E-09	2.35E-20	0.00E+00
Avg	7.31E-04	5.89E-04	3.84E-04	8.82E-05	1.95E-06	2.13E-11	1.24E-23	0.00E+00
Std	4.34E-04	3.49E-04	2.32E-04	6.64E-05	2.67E-06	8.99E-11	4.40E-22	0.00E+00

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3								
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	1.10E-02	9.22E-03	6.85E-03	2.08E-03	1.41E-04	1.79E-08	1.88E-19	0.00E+00
Avg	5.81E-03	4.68E-03	3.05E-03	7.01E-04	1.55E-05	1.70E-10	9.94E-23	0.00E+00
Std	3.45E-03	2.78E-03	1.85E-03	5.29E-04	2.13E-05	7.18E-10	3.52E-21	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	1.10E-02	9.22E-03	6.85E-03	2.08E-03	1.41E-04	1.79E-08	1.88E-19	0.00E+00
Avg	5.81E-03	4.68E-03	3.05E-03	7.01E-04	1.55E-05	1.70E-10	9.94E-23	0.00E+00
Std	3.45E-03	2.78E-03	1.85E-03	5.29E-04	2.13E-05	7.18E-10	3.52E-21	0.00E+00

ALL is total pathway dose summed for all nuclides.

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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
H-3								
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	1.70E-07	5.07E-08	4.87E-10	2.03E-13	2.16E-25	0.00E+00
Avg	0.00E+00	0.00E+00	1.68E-10	2.42E-10	8.08E-13	1.17E-16	7.55E-29	0.00E+00
Std	0.00E+00	0.00E+00	4.70E-09	2.39E-09	1.42E-11	4.06E-15	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	1.70E-07	5.07E-08	4.87E-10	2.03E-13	2.16E-25	0.00E+00
Avg	0.00E+00	0.00E+00	1.68E-10	2.42E-10	8.08E-13	1.17E-16	7.55E-29	0.00E+00
Std	0.00E+00	0.00E+00	4.70E-09	2.39E-09	1.42E-11	4.06E-15	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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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
<b>H-3</b>								
Min	4.55E-02	3.92E-02	2.46E-02	2.46E-04	8.54E-12	0.00E+00	0.00E+00	0.00E+00
Max	8.96E-02	7.53E-02	5.32E-02	1.67E-02	1.21E-03	1.63E-07	1.57E-18	0.00E+00
Avg	7.47E-02	5.99E-02	3.87E-02	8.80E-03	1.90E-04	1.88E-09	1.13E-21	0.00E+00
Std	6.27E-03	5.67E-03	6.07E-03	3.81E-03	2.08E-04	7.25E-09	3.50E-20	0.00E+00
<b>ALL</b>								
Min	4.55E-02	3.92E-02	2.46E-02	2.46E-04	8.54E-12	0.00E+00	0.00E+00	0.00E+00
Max	8.96E-02	7.53E-02	5.32E-02	1.67E-02	1.21E-03	1.63E-07	1.57E-18	0.00E+00
Avg	7.47E-02	5.99E-02	3.87E-02	8.80E-03	1.90E-04	1.88E-09	1.13E-21	0.00E+00
Std	6.27E-03	5.67E-03	6.07E-03	3.81E-03	2.08E-04	7.25E-09	3.50E-20	0.00E+00

ALL is total pathway dose summed for all nuclides.

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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
H-3								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,j,t), mrem/yr							
	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
H-3								
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 H-3.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
H-3								
Min	3.09E-03	2.66E-03	1.96E-03	2.96E-05	1.01E-12	0.00E+00	0.00E+00	0.00E+00
Max	1.21E-02	1.01E-02	7.16E-03	2.12E-03	1.02E-04	1.27E-08	1.21E-19	0.00E+00
Avg	8.61E-03	6.90E-03	4.45E-03	1.01E-03	2.13E-05	1.93E-10	9.32E-23	0.00E+00
Std	1.40E-03	1.13E-03	8.92E-04	4.45E-04	2.28E-05	6.62E-10	2.78E-21	0.00E+00
ALL								
Min	3.09E-03	2.66E-03	1.96E-03	2.96E-05	1.01E-12	0.00E+00	0.00E+00	0.00E+00
Max	1.21E-02	1.01E-02	7.16E-03	2.12E-03	1.02E-04	1.27E-08	1.21E-19	0.00E+00
Avg	8.61E-03	6.90E-03	4.45E-03	1.01E-03	2.13E-05	1.93E-10	9.32E-23	0.00E+00
Std	1.40E-03	1.13E-03	8.92E-04	4.45E-04	2.28E-05	6.62E-10	2.78E-21	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 H-3.RAD

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3								
Min	2.28E-03	1.96E-03	1.29E-03	1.31E-05	4.61E-13	0.00E+00	0.00E+00	0.00E+00
Max	4.70E-03	3.95E-03	2.79E-03	8.65E-04	6.12E-05	8.17E-09	7.87E-20	0.00E+00
Avg	3.88E-03	3.11E-03	2.01E-03	4.57E-04	9.83E-06	9.65E-11	5.71E-23	0.00E+00
Std	3.50E-04	3.06E-04	3.15E-04	1.97E-04	1.07E-05	3.69E-10	1.76E-21	0.00E+00
ALL								
Min	2.28E-03	1.96E-03	1.29E-03	1.31E-05	4.61E-13	0.00E+00	0.00E+00	0.00E+00
Max	4.70E-03	3.95E-03	2.79E-03	8.65E-04	6.12E-05	8.17E-09	7.87E-20	0.00E+00
Avg	3.88E-03	3.11E-03	2.01E-03	4.57E-04	9.83E-06	9.65E-11	5.71E-23	0.00E+00
Std	3.50E-04	3.06E-04	3.15E-04	1.97E-04	1.07E-05	3.69E-10	1.76E-21	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 H-3.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
<b>H-3</b>								
Min	9.65E-03	8.30E-03	5.54E-03	5.61E-05	1.95E-12	0.00E+00	0.00E+00	0.00E+00
Max	2.07E-02	1.74E-02	1.23E-02	3.77E-03	2.62E-04	3.48E-08	3.36E-19	0.00E+00
Avg	1.68E-02	1.35E-02	8.72E-03	1.98E-03	4.26E-05	4.17E-10	2.44E-22	0.00E+00
Std	1.60E-03	1.39E-03	1.40E-03	8.56E-04	4.65E-05	1.58E-09	7.52E-21	0.00E+00
<b>ALL</b>								
Min	9.65E-03	8.30E-03	5.54E-03	5.61E-05	1.95E-12	0.00E+00	0.00E+00	0.00E+00
Max	2.07E-02	1.74E-02	1.23E-02	3.77E-03	2.62E-04	3.48E-08	3.36E-19	0.00E+00
Avg	1.68E-02	1.35E-02	8.72E-03	1.98E-03	4.26E-05	4.17E-10	2.44E-22	0.00E+00
Std	1.60E-03	1.39E-03	1.40E-03	8.56E-04	4.65E-05	1.58E-09	7.52E-21	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 H-3.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	8.95E-02	7.20E-02	4.20E-02	4.19E-03	2.44E-06	1.34E-20	0.00E+00	0.00E+00
0.050	9.40E-02	7.52E-02	4.43E-02	4.96E-03	6.83E-06	2.53E-16	0.00E+00	0.00E+00
0.075	9.75E-02	7.73E-02	4.58E-02	5.58E-03	1.07E-05	1.59E-15	0.00E+00	0.00E+00
0.100	9.99E-02	7.90E-02	4.71E-02	6.14E-03	1.49E-05	6.60E-15	0.00E+00	0.00E+00
0.125	1.02E-01	8.09E-02	4.84E-02	6.70E-03	1.99E-05	1.94E-14	0.00E+00	0.00E+00
0.150	1.04E-01	8.25E-02	4.96E-02	7.26E-03	2.56E-05	5.16E-14	0.00E+00	0.00E+00
0.175	1.05E-01	8.39E-02	5.05E-02	7.76E-03	3.09E-05	1.01E-13	0.00E+00	0.00E+00
0.200	1.07E-01	8.49E-02	5.14E-02	8.17E-03	3.72E-05	1.80E-13	0.00E+00	0.00E+00
0.225	1.08E-01	8.61E-02	5.24E-02	8.59E-03	4.49E-05	3.52E-13	0.00E+00	0.00E+00
0.250	1.09E-01	8.71E-02	5.34E-02	9.05E-03	5.28E-05	6.13E-13	0.00E+00	0.00E+00
0.275	1.10E-01	8.80E-02	5.42E-02	9.52E-03	6.01E-05	9.96E-13	0.00E+00	0.00E+00
0.300	1.12E-01	8.89E-02	5.51E-02	9.88E-03	6.87E-05	1.66E-12	0.00E+00	0.00E+00
0.325	1.13E-01	8.96E-02	5.60E-02	1.04E-02	7.83E-05	2.47E-12	0.00E+00	0.00E+00
0.350	1.14E-01	9.05E-02	5.68E-02	1.08E-02	8.98E-05	3.86E-12	0.00E+00	0.00E+00
0.375	1.15E-01	9.13E-02	5.76E-02	1.12E-02	1.01E-04	5.80E-12	0.00E+00	0.00E+00
0.400	1.15E-01	9.22E-02	5.83E-02	1.16E-02	1.12E-04	8.70E-12	0.00E+00	0.00E+00
0.425	1.17E-01	9.29E-02	5.89E-02	1.20E-02	1.24E-04	1.22E-11	0.00E+00	0.00E+00
0.450	1.18E-01	9.36E-02	5.97E-02	1.24E-02	1.36E-04	1.74E-11	0.00E+00	0.00E+00
0.475	1.19E-01	9.43E-02	6.05E-02	1.28E-02	1.52E-04	2.57E-11	0.00E+00	0.00E+00
0.500	1.20E-01	9.51E-02	6.13E-02	1.34E-02	1.68E-04	3.40E-11	0.00E+00	0.00E+00
0.525	1.21E-01	9.58E-02	6.20E-02	1.38E-02	1.86E-04	4.83E-11	0.00E+00	0.00E+00
0.550	1.21E-01	9.66E-02	6.26E-02	1.43E-02	2.06E-04	6.42E-11	0.00E+00	0.00E+00
0.575	1.22E-01	9.74E-02	6.33E-02	1.48E-02	2.24E-04	9.02E-11	0.00E+00	0.00E+00
0.600	1.23E-01	9.84E-02	6.40E-02	1.53E-02	2.47E-04	1.28E-10	0.00E+00	0.00E+00
0.625	1.24E-01	9.93E-02	6.49E-02	1.58E-02	2.69E-04	1.78E-10	0.00E+00	0.00E+00
0.650	1.25E-01	1.00E-01	6.58E-02	1.63E-02	2.99E-04	2.44E-10	1.05E-30	0.00E+00
0.675	1.26E-01	1.01E-01	6.66E-02	1.69E-02	3.30E-04	3.38E-10	4.23E-30	0.00E+00
0.700	1.27E-01	1.02E-01	6.75E-02	1.74E-02	3.68E-04	4.87E-10	2.06E-29	0.00E+00
0.725	1.28E-01	1.03E-01	6.83E-02	1.80E-02	4.11E-04	7.15E-10	9.98E-29	0.00E+00
0.750	1.29E-01	1.03E-01	6.93E-02	1.86E-02	4.55E-04	9.85E-10	4.13E-28	0.00E+00
0.775	1.30E-01	1.04E-01	7.03E-02	1.94E-02	5.05E-04	1.37E-09	1.50E-27	0.00E+00
0.800	1.31E-01	1.05E-01	7.11E-02	1.99E-02	5.61E-04	1.99E-09	8.80E-27	0.00E+00
0.825	1.32E-01	1.06E-01	7.23E-02	2.05E-02	6.25E-04	3.00E-09	4.18E-26	0.00E+00
0.850	1.33E-01	1.07E-01	7.36E-02	2.13E-02	6.87E-04	3.91E-09	1.65E-25	0.00E+00
0.875	1.34E-01	1.09E-01	7.46E-02	2.20E-02	7.48E-04	5.24E-09	8.87E-25	0.00E+00
0.900	1.36E-01	1.10E-01	7.59E-02	2.27E-02	8.23E-04	7.20E-09	4.02E-24	0.00E+00
0.925	1.37E-01	1.12E-01	7.75E-02	2.37E-02	9.09E-04	9.94E-09	1.58E-23	0.00E+00
0.950	1.39E-01	1.14E-01	7.95E-02	2.49E-02	1.02E-03	1.54E-08	6.69E-23	0.00E+00
0.975	1.41E-01	1.17E-01	8.24E-02	2.61E-02	1.16E-03	2.66E-08	3.92E-22	0.00E+00
1.000	1.53E-01	1.28E-01	9.07E-02	2.79E-02	1.87E-03	2.63E-07	2.57E-18	0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA H-3.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	6.93E-02	1.49E-01	1.18E-01	1.20E-01	1.36E-01	1.39E-01	1.41E-01	1.45E-01
1.00E+00	5.58E-02	1.23E-01	9.50E-02	9.50E-02	1.10E-01	1.15E-01	1.18E-01	1.20E-01
1.06E+00	5.51E-02	1.22E-01	9.37E-02	9.38E-02	1.09E-01	1.13E-01	1.16E-01	1.19E-01
1.12E+00	5.44E-02	1.21E-01	9.25E-02	9.25E-02	1.07E-01	1.12E-01	1.15E-01	1.18E-01
1.19E+00	5.36E-02	1.19E-01	9.12E-02	9.12E-02	1.06E-01	1.11E-01	1.14E-01	1.16E-01
1.25E+00	5.28E-02	1.18E-01	8.98E-02	8.99E-02	1.05E-01	1.09E-01	1.12E-01	1.15E-01
1.33E+00	5.20E-02	1.16E-01	8.84E-02	8.83E-02	1.04E-01	1.08E-01	1.11E-01	1.13E-01
1.40E+00	5.11E-02	1.14E-01	8.69E-02	8.66E-02	1.02E-01	1.06E-01	1.09E-01	1.12E-01
1.49E+00	5.02E-02	1.13E-01	8.53E-02	8.51E-02	1.01E-01	1.05E-01	1.08E-01	1.10E-01
1.57E+00	4.93E-02	1.11E-01	8.37E-02	8.34E-02	9.90E-02	1.03E-01	1.06E-01	1.09E-01
1.66E+00	4.83E-02	1.09E-01	8.21E-02	8.16E-02	9.71E-02	1.01E-01	1.04E-01	1.07E-01
1.76E+00	4.73E-02	1.07E-01	8.04E-02	7.99E-02	9.55E-02	9.93E-02	1.03E-01	1.05E-01
1.86E+00	4.63E-02	1.05E-01	7.86E-02	7.82E-02	9.37E-02	9.75E-02	1.01E-01	1.03E-01
1.97E+00	4.52E-02	1.03E-01	7.67E-02	7.64E-02	9.18E-02	9.55E-02	9.90E-02	1.01E-01
2.09E+00	4.41E-02	1.01E-01	7.48E-02	7.45E-02	8.98E-02	9.36E-02	9.70E-02	9.92E-02
2.21E+00	4.30E-02	9.91E-02	7.29E-02	7.25E-02	8.77E-02	9.16E-02	9.50E-02	9.72E-02
2.24E+00	4.18E-02	9.69E-02	7.09E-02	7.04E-02	8.57E-02	8.93E-02	9.29E-02	9.51E-02
2.27E+00	4.06E-02	9.46E-02	6.88E-02	6.84E-02	8.36E-02	8.73E-02	9.07E-02	9.30E-02
2.26E+00	3.93E-02	9.23E-02	6.67E-02	6.63E-02	8.15E-02	8.52E-02	8.85E-02	9.08E-02
2.27E+00	3.80E-02	9.00E-02	6.45E-02	6.41E-02	7.92E-02	8.30E-02	8.62E-02	8.83E-02
2.29E+00	3.63E-02	8.76E-02	6.23E-02	6.19E-02	7.69E-02	8.08E-02	8.38E-02	8.59E-02
3.00E+00	3.54E-02	8.67E-02	6.14E-02	6.11E-02	7.60E-02	7.99E-02	8.28E-02	8.50E-02
3.31E+00	3.42E-02	8.52E-02	6.00E-02	5.97E-02	7.46E-02	7.84E-02	8.15E-02	8.35E-02
3.32E+00	3.21E-02	8.27E-02	5.77E-02	5.75E-02	7.23E-02	7.59E-02	7.91E-02	8.10E-02
3.48E+00	3.00E-02	8.01E-02	5.54E-02	5.53E-02	6.99E-02	7.34E-02	7.67E-02	7.84E-02
3.68E+00	2.80E-02	7.75E-02	5.30E-02	5.29E-02	6.75E-02	7.09E-02	7.43E-02	7.58E-02
3.89E+00	2.60E-02	7.48E-02	5.06E-02	5.03E-02	6.49E-02	6.83E-02	7.17E-02	7.32E-02
4.12E+00	2.40E-02	7.20E-02	4.82E-02	4.80E-02	6.23E-02	6.58E-02	6.91E-02	7.05E-02
4.36E+00	2.21E-02	6.92E-02	4.58E-02	4.57E-02	5.97E-02	6.32E-02	6.65E-02	6.77E-02
4.61E+00	1.85E-02	6.64E-02	4.34E-02	4.33E-02	5.70E-02	6.06E-02	6.37E-02	6.49E-02
4.88E+00	1.41E-02	6.35E-02	4.09E-02	4.10E-02	5.43E-02	5.76E-02	6.07E-02	6.19E-02
5.17E+00	1.06E-02	6.06E-02	3.85E-02	3.86E-02	5.16E-02	5.49E-02	5.80E-02	5.89E-02
5.47E+00	8.02E-03	5.76E-02	3.61E-02	3.61E-02	4.91E-02	5.24E-02	5.52E-02	5.62E-02
5.57E+00	6.33E-03	5.47E-02	3.37E-02	3.37E-02	4.64E-02	4.98E-02	5.23E-02	5.33E-02
6.12E+00	4.71E-03	5.17E-02	3.14E-02	3.14E-02	4.38E-02	4.71E-02	4.94E-02	5.04E-02
6.48E+00	3.79E-03	4.88E-02	2.91E-02	2.91E-02	4.11E-02	4.44E-02	4.67E-02	4.76E-02
6.86E+00	3.09E-03	4.58E-02	2.69E-02	2.68E-02	3.86E-02	4.18E-02	4.38E-02	4.48E-02
7.26E+00	2.49E-03	4.29E-02	2.47E-02	2.46E-02	3.60E-02	3.91E-02	4.08E-02	4.20E-02
7.68E+00	1.98E-03	4.01E-02	2.26E-02	2.24E-02	3.35E-02	3.64E-02	3.79E-02	3.94E-02
8.13E+00	1.56E-03	3.73E-02	2.06E-02	2.03E-02	3.11E-02	3.40E-02	3.53E-02	3.66E-02
8.60E+00	1.21E-03	3.46E-02	1.87E-02	1.84E-02	2.87E-02	3.16E-02	3.28E-02	3.39E-02
9.10E+00	9.21E-04	3.20E-02	1.69E-02	1.65E-02	2.63E-02	2.90E-02	3.03E-02	3.12E-02
9.63E+00	6.92E-04	2.95E-02	1.51E-02	1.46E-02	2.40E-02	2.66E-02	2.78E-02	2.87E-02
1.00E+01	5.66E-04	2.78E-02	1.40E-02	1.35E-02	2.26E-02	2.49E-02	2.62E-02	2.71E-02
1.02E+01	5.11E-04	2.70E-02	1.35E-02	1.30E-02	2.19E-02	2.42E-02	2.54E-02	2.63E-02
1.08E+01	3.71E-04	2.47E-02	1.19E-02	1.15E-02	1.98E-02	2.19E-02	2.31E-02	2.39E-02
1.14E+01	2.64E-04	2.24E-02	1.05E-02	9.97E-03	1.79E-02	1.97E-02	2.09E-02	2.16E-02
1.21E+01	1.84E-04	2.02E-02	9.19E-03	8.64E-03	1.60E-02	1.76E-02	1.88E-02	1.95E-02
1.28E+01	1.26E-04	1.82E-02	7.98E-03	7.43E-03	1.43E-02	1.57E-02	1.68E-02	1.74E-02
1.35E+01	8.44E-05	1.64E-02	6.88E-03	6.35E-03	1.26E-02	1.39E-02	1.49E-02	1.55E-02
1.43E+01	4.70E-05	1.47E-02	5.88E-03	5.36E-03	1.10E-02	1.23E-02	1.32E-02	1.37E-02
1.51E+01	2.70E-05	1.31E-02	4.99E-03	4.50E-03	9.68E-03	1.08E-02	1.15E-02	1.20E-02
1.60E+01	1.65E-05	1.16E-02	4.20E-03	3.72E-03	8.36E-03	9.34E-03	1.01E-02	1.05E-02
1.70E+01	9.81E-06	1.02E-02	3.50E-03	3.05E-03	7.19E-03	8.05E-03	8.70E-03	9.05E-03
1.80E+01	5.65E-06	8.94E-03	2.89E-03	2.46E-03	6.09E-03	6.82E-03	7.42E-03	7.77E-03
1.90E+01	3.16E-06	7.74E-03	2.36E-03	1.96E-03	5.14E-03	5.80E-03	6.29E-03	6.61E-03

2.01E+01 1.70E-06 6.65E-03 1.91E-03 1.55E-03 4.26E-03 4.88E-03 5.29E-03 5.58E-03

2.13E+01 8.86E-07 5.66E-03 1.53E-03 1.20E-03 3.48E-03 4.06E-03 4.40E-03 4.66E-03

2.25E+01 4.44E-07 4.77E-03 1.21E-03 9.05E-04 2.82E-03 3.33E-03 3.63E-03 3.86E-03

2.38E+01 2.14E-07 3.98E-03 9.46E-04 6.80E-04 2.27E-03 2.73E-03 2.95E-03 3.17E-03

2.52E+01 9.86E-08 3.29E-03 7.31E-04 5.03E-04 1.80E-03 2.18E-03 2.40E-03 2.57E-03



2.67E+01 4.35E-08 2.69E-03 5.58E-04 3.66E-04 1.42E-03 1.72E-03 1.93E-03 2.06E-03

2.82E+01 1.83E-08 2.17E-03 4.19E-04 2.62E-04 1.10E-03 1.34E-03 1.51E-03 1.62E-03

2.99E+01 7.31E-09 1.73E-03 3.11E-04 1.85E-04 8.31E-04 1.04E-03 1.17E-03 1.27E-03

3.00E+01 6.84E-09 1.70E-03 3.04E-04 1.80E-04 8.15E-04 1.02E-03 1.15E-03 1.25E-03

3.16E+01 2.77E-09 1.36E-03 2.27E-04 1.27E-04 6.26E-04 7.90E-04 8.90E-04 9.75E-04

3.35E+01 9.91E-10 1.06E-03 1.63E-04 8.57E-05 4.60E-04 5.88E-04 6.69E-04 7.48E-04

3.54E+01 1.85E-10 8.09E-04 1.15E-04 5.62E-05 3.37E-04 4.32E-04 4.92E-04 5.61E-04

3.75E+01 5.56E-11 6.09E-04 7.99E-05 3.55E-05 2.42E-04 3.12E-04 3.55E-04 4.09E-04



3.97E+01 1.57E-11 4.51E-04 5.45E-05 2.21E-05 1.69E-04 2.21E-04 2.55E-04 2.93E-04

4.20E+01 4.09E-12 3.29E-04 3.64E-05 1.33E-05 1.15E-04 1.53E-04 1.79E-04 2.06E-04

4.44E+01 9.84E-13 2.35E-04 2.38E-05 7.87E-06 7.68E-05 1.04E-04 1.25E-04 1.45E-04

4.70E+01 2.18E-13 1.64E-04 1.53E-05 4.46E-06 4.99E-05 6.82E-05 8.39E-05 1.01E-04

4.97E+01 4.40E-14 1.13E-04 9.57E-06 2.45E-06 3.19E-05 4.41E-05 5.59E-05 6.74E-05

5.26E+01 8.08E-15 7.57E-05 5.85E-06 1.31E-06 1.99E-05 2.79E-05 3.62E-05 4.39E-05

5.57E+01 1.34E-15 4.97E-05 3.49E-06 6.82E-07 1.21E-05 1.71E-05 2.26E-05 2.78E-05

5.90E+01 1.99E-16 3.18E-05 2.03E-06 3.24E-07 7.14E-06 1.03E-05 1.37E-05 1.72E-05



2.24E+01 2.65E-17 1.98E-05 1.14E-06 1.53E-07 4.07E-06 5.96E-06 8.09E-06 1.03E-05

60E+01 3.11E-18 1.20E-05 6.28E-07 6.92E-08 2.25E-06 3.35E-06 4.69E-06 6.02E-06

99E+01 3.20E-19 7.08E-06 3.34E-07 3.00E-08 1.19E-06 1.82E-06 2.60E-06 3.40E-06

7.39E+01 2.88E-20 4.05E-06 1.72E-07 1.24E-08 6.07E-07 9.51E-07 1.39E-06 1.86E-06

7.82E+01 2.23E-21 2.24E-06 8.58E-08 4.79E-09 3.01E-07 4.79E-07 7.15E-07 9.80E-07

8.28E+01 1.48E-22 1.20E-06 4.12E-08 1.78E-09 1.41E-07 2.32E-07 3.55E-07 4.98E-07

8.76E+01 8.33E-24 6.16E-07 1.91E-08 6.22E-10 6.34E-08 1.08E-07 1.69E-07 2.43E-07

9.27E+01 3.93E-25 3.05E-07 8.47E-09 2.06E-10 2.72E-08 4.80E-08 7.68E-08 1.15E-07



9.81E+01 1.53E-26 1.45E-07 3.61E-09 6.40E-11 1.11E-08 2.03E-08 3.34E-08 5.20E-08

1.00E+02 4.16E-27 1.12E-07 2.69E-09 4.28E-11 8.12E-09 1.51E-08 2.50E-08 3.93E-08

1.04E+02 1.27E-28 6.72E-08 1.47E-09 1.87E-11 4.29E-09 8.19E-09 1.38E-08 2.22E-08

1.10E+02 0.00E+00 3.00E-08 5.72E-10 4.96E-12 1.57E-09 3.12E-09 5.45E-09 8.99E-09

1.16E+02 0.00E+00 1.28E-08 2.12E-10 1.20E-12 5.46E-10 1.12E-09 2.03E-09 3.46E-09

1.23E+02 0.00E+00 5.18E-09 7.47E-11 2.76E-13 1.77E-10 3.81E-10 7.17E-10 1.26E-09

1.30E+02 0.00E+00 1.75E-09 2.30E-11 5.83E-14 5.35E-11 1.21E-10 2.37E-10 4.34E-10

1.38E+02 0.00E+00 6.17E-10 6.85E-12 9.79E-15 1.52E-11 3.62E-11 7.36E-11 1.39E-10



1.46E+02 0.00E+00 2.04E-10 1.95E-12 1.40E-15 3.50E-12 9.65E-12 2.13E-11 4.20E-11

1.54E+02 0.00E+00 3.30E-11 5.01E-13 1.88E-16 8.43E-13 2.50E-12 5.76E-12 1.19E-11

1.63E+02 0.00E+00 7.48E-12 1.17E-13 1.51E-17 1.87E-13 6.00E-13 1.44E-12 3.12E-12

1.73E+02 0.00E+00 1.94E-12 2.56E-14 1.58E-18 2.83E-14 1.22E-13 3.19E-13 7.57E-13

1.83E+02 0.00E+00 4.64E-13 5.20E-15 1.01E-19 5.18E-15 2.33E-14 6.40E-14 1.66E-13

1.94E+02 0.00E+00 1.02E-13 9.48E-16 5.46E-21 8.13E-16 3.73E-15 1.04E-14 2.94E-14

2.05E+02 0.00E+00 2.07E-14 1.69E-16 2.65E-22 1.21E-16 5.89E-16 1.81E-15 5.47E-15

2.17E+02 0.00E+00 3.81E-15 2.77E-17 5.25E-24 1.61E-17 8.59E-17 2.86E-16 9.22E-16



2.29E+02 0.00E+00 6.34E-16 4.12E-18 1.76E-25 1.91E-18 1.12E-17 4.04E-17 1.40E-16

2.43E+02 0.00E+00 9.52E-17 4.79E-19 2.75E-27 1.91E-19 1.29E-18 4.00E-18 1.01E-17

2.57E+02 0.00E+00 1.28E-17 5.42E-20 4.18E-29 1.33E-20 1.16E-19 3.38E-19 1.02E-18

2.72E+02 0.00E+00 1.53E-18 5.44E-21 0.00E+00 9.78E-22 9.58E-21 3.12E-20 1.03E-19

2.88E+02 0.00E+00 1.62E-19 5.12E-22 0.00E+00 4.62E-23 6.16E-22 2.57E-21 9.06E-21

3.00E+02 0.00E+00 2.85E-20 8.32E-23 0.00E+00 4.45E-24 8.10E-23 3.73E-22 1.39E-21

3.05E+02 0.00E+00 1.50E-20 4.04E-23 0.00E+00 1.84E-24 3.90E-23 1.83E-22 6.94E-22

3.22E+02 0.00E+00 1.21E-21 2.89E-24 0.00E+00 6.06E-26 2.10E-24 1.12E-23 4.57E-23



3.41E+02 0.00E+00 8.46E-23 1.80E-25 0.00E+00 1.76E-27 9.14E-26 5.44E-25 2.00E-24

3.61E+02 0.00E+00 5.05E-24 9.82E-27 0.00E+00 3.80E-29 2.62E-27 2.02E-26 9.45E-26

3.82E+02 0.00E+00 2.56E-25 4.60E-28 0.00E+00 0.00E+00 8.24E-29 7.25E-28 3.73E-27

4.04E+02 0.00E+00 1.09E-26 1.81E-29 0.00E+00 0.00E+00 0.00E+00 1.59E-29 1.21E-28

4.28E+02 0.00E+00 3.86E-28 5.69E-31 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.98E-30

4.53E+02 0.00E+00 9.36E-30 9.36E-33 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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Probabilistic results summary : RESRAD Default Parameters

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## 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	7.28E-02	1.50E-01	1.18E-01	1.20E-01	1.36E-01	1.39E-01	1.41E-01	1.45E-01
1.00E+00	6.24E-02	1.26E-01	9.50E-02	9.52E-02	1.11E-01	1.14E-01	1.17E-01	1.19E-01
1.06E+00	6.15E-02	1.25E-01	9.38E-02	9.39E-02	1.09E-01	1.12E-01	1.15E-01	1.18E-01
1.12E+00	6.06E-02	1.23E-01	9.25E-02	9.25E-02	1.08E-01	1.11E-01	1.14E-01	1.17E-01
1.19E+00	5.96E-02	1.22E-01	9.12E-02	9.12E-02	1.07E-01	1.10E-01	1.13E-01	1.16E-01
1.25E+00	5.85E-02	1.21E-01	8.98E-02	8.98E-02	1.05E-01	1.08E-01	1.11E-01	1.14E-01
1.33E+00	5.75E-02	1.19E-01	8.84E-02	8.83E-02	1.04E-01	1.07E-01	1.10E-01	1.13E-01
1.40E+00	5.64E-02	1.17E-01	8.69E-02	8.67E-02	1.02E-01	1.06E-01	1.08E-01	1.11E-01
1.49E+00	5.52E-02	1.16E-01	8.54E-02	8.51E-02	1.01E-01	1.04E-01	1.06E-01	1.10E-01
1.57E+00	5.41E-02	1.14E-01	8.38E-02	8.35E-02	9.91E-02	1.02E-01	1.05E-01	1.08E-01
1.66E+00	5.28E-02	1.12E-01	8.21E-02	8.19E-02	9.74E-02	1.01E-01	1.03E-01	1.06E-01
1.76E+00	5.16E-02	1.11E-01	8.04E-02	8.02E-02	9.56E-02	9.89E-02	1.01E-01	1.05E-01
1.86E+00	5.02E-02	1.09E-01	7.86E-02	7.84E-02	9.38E-02	9.73E-02	9.95E-02	1.03E-01
1.97E+00	4.85E-02	1.07E-01	7.68E-02	7.66E-02	9.19E-02	9.56E-02	9.78E-02	1.01E-01
2.09E+00	4.67E-02	1.05E-01	7.49E-02	7.47E-02	8.99E-02	9.36E-02	9.59E-02	9.86E-02
2.21E+00	4.49E-02	1.02E-01	7.29E-02	7.27E-02	8.79E-02	9.15E-02	9.40E-02	9.65E-02
2.24E+00	4.31E-02	1.00E-01	7.09E-02	7.08E-02	8.60E-02	8.95E-02	9.20E-02	9.43E-02
2.27E+00	4.13E-02	9.79E-02	6.88E-02	6.86E-02	8.39E-02	8.74E-02	8.99E-02	9.20E-02
2.26E+00	3.94E-02	9.56E-02	6.67E-02	6.64E-02	8.18E-02	8.52E-02	8.78E-02	8.97E-02
2.77E+00	3.76E-02	9.31E-02	6.45E-02	6.45E-02	7.96E-02	8.31E-02	8.56E-02	8.74E-02
2.93E+00	3.56E-02	9.06E-02	6.23E-02	6.22E-02	7.74E-02	8.09E-02	8.33E-02	8.51E-02
3.00E+00	3.48E-02	8.96E-02	6.14E-02	6.13E-02	7.65E-02	7.99E-02	8.23E-02	8.42E-02
3.31E+00	3.36E-02	8.80E-02	6.01E-02	6.00E-02	7.51E-02	7.85E-02	8.09E-02	8.28E-02
3.32E+00	3.16E-02	8.53E-02	5.78E-02	5.77E-02	7.27E-02	7.61E-02	7.84E-02	8.04E-02
3.48E+00	2.97E-02	8.26E-02	5.54E-02	5.53E-02	7.03E-02	7.35E-02	7.59E-02	7.77E-02
3.68E+00	2.77E-02	7.98E-02	5.31E-02	5.29E-02	6.76E-02	7.11E-02	7.34E-02	7.49E-02
3.89E+00	2.58E-02	7.70E-02	5.07E-02	5.04E-02	6.53E-02	6.85E-02	7.08E-02	7.21E-02
4.12E+00	2.31E-02	7.40E-02	4.82E-02	4.78E-02	6.27E-02	6.59E-02	6.82E-02	6.96E-02
4.36E+00	1.82E-02	7.11E-02	4.58E-02	4.54E-02	6.02E-02	6.34E-02	6.55E-02	6.70E-02
4.61E+00	1.43E-02	6.81E-02	4.34E-02	4.30E-02	5.76E-02	6.07E-02	6.28E-02	6.43E-02
4.88E+00	1.14E-02	6.50E-02	4.09E-02	4.05E-02	5.51E-02	5.81E-02	6.00E-02	6.15E-02
5.17E+00	9.48E-03	6.20E-02	3.85E-02	3.80E-02	5.24E-02	5.54E-02	5.72E-02	5.85E-02
5.47E+00	8.04E-03	5.89E-02	3.61E-02	3.56E-02	4.97E-02	5.28E-02	5.44E-02	5.58E-02
5.57E+00	6.77E-03	5.58E-02	3.37E-02	3.31E-02	4.70E-02	5.02E-02	5.14E-02	5.30E-02
6.12E+00	5.44E-03	5.27E-02	3.14E-02	3.09E-02	4.44E-02	4.74E-02	4.86E-02	5.03E-02
6.48E+00	4.43E-03	4.96E-02	2.91E-02	2.86E-02	4.17E-02	4.46E-02	4.58E-02	4.74E-02
6.86E+00	3.07E-03	4.65E-02	2.69E-02	2.64E-02	3.91E-02	4.19E-02	4.31E-02	4.48E-02
7.26E+00	2.14E-03	4.34E-02	2.47E-02	2.42E-02	3.64E-02	3.91E-02	4.04E-02	4.18E-02
7.68E+00	1.66E-03	4.04E-02	2.26E-02	2.20E-02	3.39E-02	3.63E-02	3.78E-02	3.91E-02
8.13E+00	1.29E-03	3.75E-02	2.06E-02	1.99E-02	3.13E-02	3.38E-02	3.52E-02	3.64E-02
8.60E+00	9.88E-04	3.46E-02	1.86E-02	1.80E-02	2.90E-02	3.12E-02	3.27E-02	3.37E-02
9.10E+00	7.45E-04	3.19E-02	1.68E-02	1.62E-02	2.66E-02	2.89E-02	3.02E-02	3.12E-02
9.63E+00	5.53E-04	2.94E-02	1.51E-02	1.44E-02	2.43E-02	2.65E-02	2.77E-02	2.87E-02
1.00E+01	4.49E-04	2.77E-02	1.39E-02	1.33E-02	2.29E-02	2.49E-02	2.61E-02	2.70E-02
1.02E+01	4.03E-04	2.69E-02	1.34E-02	1.27E-02	2.22E-02	2.40E-02	2.53E-02	2.62E-02
1.08E+01	2.89E-04	2.46E-02	1.19E-02	1.11E-02	2.01E-02	2.17E-02	2.31E-02	2.39E-02
1.14E+01	2.03E-04	2.24E-02	1.04E-02	9.61E-03	1.81E-02	1.96E-02	2.10E-02	2.17E-02
1.21E+01	1.39E-04	2.03E-02	9.12E-03	8.26E-03	1.62E-02	1.75E-02	1.89E-02	1.95E-02
1.28E+01	9.38E-05	1.84E-02	7.92E-03	7.09E-03	1.44E-02	1.56E-02	1.70E-02	1.76E-02
1.35E+01	6.17E-05	1.65E-02	6.82E-03	5.99E-03	1.27E-02	1.38E-02	1.51E-02	1.57E-02
1.43E+01	3.96E-05	1.47E-02	5.83E-03	5.02E-03	1.11E-02	1.22E-02	1.33E-02	1.40E-02
1.51E+01	2.32E-05	1.31E-02	4.94E-03	4.20E-03	9.69E-03	1.06E-02	1.17E-02	1.23E-02
1.60E+01	1.26E-05	1.15E-02	4.15E-03	3.43E-03	8.38E-03	9.21E-03	1.01E-02	1.08E-02
1.70E+01	6.45E-06	1.01E-02	3.46E-03	2.78E-03	7.17E-03	7.94E-03	8.71E-03	9.34E-03
1.80E+01	3.11E-06	8.78E-03	2.86E-03	2.22E-03	6.13E-03	6.83E-03	7.49E-03	8.04E-03
1.90E+01	1.40E-06	7.63E-03	2.33E-03	1.76E-03	5.12E-03	5.83E-03	6.40E-03	6.92E-03

2.01E+01 5.77E-07 6.58E-03 1.89E-03 1.38E-03 4.24E-03 4.91E-03 5.38E-03 5.85E-03



2.13E+01 2.17E-07 5.62E-03 1.51E-03 1.06E-03 3.50E-03 4.10E-03 4.48E-03 4.92E-03

2.25E+01 7.32E-08 4.76E-03 1.20E-03 8.12E-04 2.85E-03 3.37E-03 3.69E-03 4.07E-03

2.38E+01 2.14E-08 3.99E-03 9.36E-04 6.08E-04 2.29E-03 2.74E-03 3.02E-03 3.34E-03

2.52E+01 5.30E-09 3.31E-03 7.22E-04 4.49E-04 1.82E-03 2.20E-03 2.45E-03 2.75E-03

2.67E+01 1.08E-09 2.72E-03 5.50E-04 3.25E-04 1.43E-03 1.75E-03 1.96E-03 2.24E-03

2.82E+01 1.73E-10 2.21E-03 4.14E-04 2.31E-04 1.10E-03 1.37E-03 1.54E-03 1.80E-03

2.99E+01 2.03E-11 1.77E-03 3.07E-04 1.62E-04 8.33E-04 1.06E-03 1.21E-03 1.41E-03

3.00E+01 1.73E-11 1.74E-03 3.01E-04 1.58E-04 8.17E-04 1.04E-03 1.18E-03 1.39E-03



3.16E+01 1.59E-12 1.40E-03 2.24E-04 1.10E-04 6.22E-04 8.02E-04 9.21E-04 1.09E-03

3.35E+01 7.21E-14 1.09E-03 1.61E-04 7.32E-05 4.58E-04 5.98E-04 7.04E-04 8.33E-04

3.54E+01 1.52E-15 8.42E-04 1.14E-04 4.75E-05 3.34E-04 4.38E-04 5.29E-04 6.25E-04

3.75E+01 1.04E-17 6.39E-04 7.94E-05 3.01E-05 2.36E-04 3.18E-04 3.90E-04 4.62E-04

3.97E+01 1.23E-20 4.76E-04 5.42E-05 1.85E-05 1.63E-04 2.27E-04 2.81E-04 3.37E-04

4.20E+01 7.31E-25 3.52E-04 3.63E-05 1.10E-05 1.11E-04 1.56E-04 1.99E-04 2.42E-04

4.44E+01 0.00E+00 2.57E-04 2.39E-05 6.43E-06 7.39E-05 1.05E-04 1.38E-04 1.71E-04

4.70E+01 0.00E+00 1.84E-04 1.54E-05 3.63E-06 4.80E-05 6.96E-05 9.38E-05 1.18E-04



4.97E+01 0.00E+00 1.30E-04 9.67E-06 1.98E-06 3.04E-05 4.49E-05 6.18E-05 8.00E-05

5.26E+01 0.00E+00 8.95E-05 5.95E-06 1.04E-06 1.87E-05 2.82E-05 4.00E-05 5.29E-05

5.57E+01 0.00E+00 6.03E-05 3.57E-06 5.29E-07 1.12E-05 1.73E-05 2.50E-05 3.42E-05

5.90E+01 0.00E+00 3.98E-05 2.09E-06 2.58E-07 6.54E-06 1.03E-05 1.52E-05 2.15E-05

6.24E+01 0.00E+00 2.56E-05 1.19E-06 1.21E-07 3.67E-06 6.05E-06 9.20E-06 1.32E-05

6.0E+01 0.00E+00 1.61E-05 6.62E-07 5.38E-08 1.98E-06 3.41E-06 5.35E-06 7.86E-06

99E+01 0.00E+00 9.80E-06 3.56E-07 2.30E-08 1.03E-06 1.89E-06 3.00E-06 4.54E-06

7.39E+01 0.00E+00 5.82E-06 1.86E-07 9.24E-09 5.22E-07 1.01E-06 1.62E-06 2.54E-06



7.82E+01 0.00E+00 3.35E-06 9.36E-08 3.58E-09 2.53E-07 5.11E-07 8.44E-07 1.39E-06

8.28E+01 0.00E+00 1.86E-06 4.57E-08 1.31E-09 1.18E-07 2.49E-07 4.30E-07 7.33E-07

8.76E+01 0.00E+00 1.00E-06 2.15E-08 4.52E-10 5.27E-08 1.18E-07 2.08E-07 3.70E-07

9.27E+01 0.00E+00 5.21E-07 9.79E-09 1.46E-10 2.24E-08 5.32E-08 9.67E-08 1.77E-07

9.81E+01 0.00E+00 2.61E-07 4.28E-09 4.27E-11 9.08E-09 2.27E-08 4.29E-08 8.14E-08

1.00E+02 0.00E+00 2.05E-07 3.22E-09 2.83E-11 6.65E-09 1.69E-08 3.24E-08 6.22E-08

1.04E+02 0.00E+00 1.25E-07 1.79E-09 1.21E-11 3.49E-09 9.21E-09 1.82E-08 3.58E-08

1.10E+02 0.00E+00 5.76E-08 7.20E-10 3.19E-12 1.27E-09 3.55E-09 7.32E-09 1.51E-08



1.16E+02 0.00E+00 2.53E-08 2.77E-10 7.58E-13 4.36E-10 1.29E-09 2.80E-09 6.06E-09

1.23E+02 0.00E+00 1.06E-08 1.01E-10 1.70E-13 1.40E-10 4.46E-10 1.01E-09 2.31E-09

1.30E+02 0.00E+00 4.23E-09 3.51E-11 3.18E-14 4.01E-11 1.44E-10 3.40E-10 8.30E-10

1.38E+02 0.00E+00 1.60E-09 1.14E-11 5.48E-15 1.08E-11 4.19E-11 1.08E-10 2.80E-10

1.46E+02 0.00E+00 5.70E-10 3.46E-12 6.89E-16 2.64E-12 1.07E-11 2.67E-11 8.36E-11

1.54E+02 0.00E+00 1.91E-10 9.82E-13 8.00E-17 5.81E-13 2.51E-12 6.95E-12 2.45E-11

1.63E+02 0.00E+00 6.04E-11 2.74E-13 7.32E-18 1.23E-13 5.99E-13 1.76E-12 6.71E-12

1.73E+02 0.00E+00 1.78E-11 7.17E-14 6.76E-19 2.31E-14 1.31E-13 4.11E-13 1.70E-12



1.83E+02 0.00E+00 4.89E-12 1.76E-14 6.06E-20 4.15E-15 2.64E-14 8.81E-14 3.99E-13

1.94E+02 0.00E+00 1.24E-12 3.98E-15 3.66E-21 6.61E-16 4.32E-15 1.64E-14 8.58E-14

2.05E+02 0.00E+00 2.93E-13 8.44E-16 1.96E-22 8.52E-17 7.18E-16 2.91E-15 1.69E-14

2.17E+02 0.00E+00 6.35E-14 1.63E-16 6.74E-24 1.11E-17 9.84E-17 4.40E-16 3.02E-15

2.29E+02 0.00E+00 1.26E-14 2.88E-17 2.35E-25 1.19E-18 1.27E-17 6.35E-17 4.89E-16

2.43E+02 0.00E+00 2.29E-15 4.62E-18 4.68E-27 1.02E-19 1.39E-18 8.09E-18 6.99E-17

2.57E+02 0.00E+00 3.76E-16 6.82E-19 7.99E-29 7.95E-21 1.28E-19 8.43E-19 7.80E-18

2.72E+02 0.00E+00 5.55E-17 9.34E-20 0.00E+00 5.04E-22 6.41E-21 8.54E-20 9.11E-19



2.88E+02 0.00E+00 7.33E-18 1.14E-20 0.00E+00 3.13E-23 4.78E-22 4.44E-21 4.80E-20

3.00E+02 0.00E+00 1.53E-18 2.29E-21 0.00E+00 2.76E-24 5.46E-23 6.00E-22 7.93E-21

3.05E+02 0.00E+00 8.61E-19 1.27E-21 0.00E+00 1.23E-24 2.61E-23 2.71E-22 4.09E-21

3.22E+02 0.00E+00 8.92E-20 1.25E-22 0.00E+00 4.67E-26 1.13E-24 1.69E-23 3.02E-22

3.41E+02 0.00E+00 8.10E-21 1.08E-23 0.00E+00 1.55E-27 4.86E-26 9.01E-25 1.91E-23

3.61E+02 0.00E+00 6.39E-22 8.20E-25 0.00E+00 3.43E-29 1.78E-27 3.28E-26 1.03E-24

3.82E+02 0.00E+00 4.35E-23 5.38E-26 0.00E+00 0.00E+00 3.34E-29 8.53E-28 4.70E-26

4.04E+02 0.00E+00 2.53E-24 3.03E-27 0.00E+00 0.00E+00 0.00E+00 2.47E-29 1.79E-27



4.28E+02 0.00E+00 1.25E-25 1.45E-28 0.00E+00 0.00E+00 0.00E+00 0.00E+00 5.66E-29

4.53E+02 0.00E+00 5.17E-27 5.46E-30 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 1.78E-28 1.82E-31 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

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

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

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

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

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



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

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

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

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

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

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

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

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



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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 H-3.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	6.88E-02	1.53E-01	1.18E-01	1.19E-01	1.35E-01	1.39E-01	1.42E-01	1.44E-01
1.00E+00	5.85E-02	1.28E-01	9.50E-02	9.51E-02	1.10E-01	1.13E-01	1.17E-01	1.20E-01
1.06E+00	5.80E-02	1.27E-01	9.37E-02	9.38E-02	1.09E-01	1.12E-01	1.15E-01	1.19E-01
1.12E+00	5.74E-02	1.26E-01	9.25E-02	9.25E-02	1.08E-01	1.11E-01	1.14E-01	1.17E-01
1.19E+00	5.68E-02	1.24E-01	9.12E-02	9.12E-02	1.06E-01	1.09E-01	1.13E-01	1.16E-01
1.25E+00	5.61E-02	1.23E-01	8.98E-02	8.98E-02	1.05E-01	1.08E-01	1.11E-01	1.15E-01
1.33E+00	5.55E-02	1.21E-01	8.84E-02	8.84E-02	1.03E-01	1.07E-01	1.10E-01	1.13E-01
1.40E+00	5.48E-02	1.20E-01	8.69E-02	8.69E-02	1.02E-01	1.05E-01	1.08E-01	1.12E-01
1.49E+00	5.41E-02	1.18E-01	8.53E-02	8.52E-02	1.00E-01	1.03E-01	1.06E-01	1.10E-01
1.57E+00	5.33E-02	1.16E-01	8.37E-02	8.36E-02	9.84E-02	1.02E-01	1.05E-01	1.08E-01
1.66E+00	5.25E-02	1.14E-01	8.21E-02	8.18E-02	9.65E-02	1.00E-01	1.03E-01	1.07E-01
1.76E+00	5.17E-02	1.12E-01	8.04E-02	8.01E-02	9.47E-02	9.83E-02	1.01E-01	1.05E-01
1.86E+00	5.08E-02	1.10E-01	7.86E-02	7.84E-02	9.29E-02	9.65E-02	9.95E-02	1.03E-01
1.97E+00	5.00E-02	1.08E-01	7.67E-02	7.67E-02	9.10E-02	9.47E-02	9.75E-02	1.01E-01
2.09E+00	4.88E-02	1.06E-01	7.48E-02	7.47E-02	8.90E-02	9.26E-02	9.57E-02	9.93E-02
2.21E+00	4.71E-02	1.04E-01	7.29E-02	7.27E-02	8.71E-02	9.07E-02	9.37E-02	9.72E-02
2.24E+00	4.54E-02	1.02E-01	7.09E-02	7.07E-02	8.50E-02	8.88E-02	9.16E-02	9.50E-02
2.27E+00	4.37E-02	9.94E-02	6.88E-02	6.86E-02	8.30E-02	8.67E-02	8.95E-02	9.28E-02
2.26E+00	4.19E-02	9.69E-02	6.67E-02	6.65E-02	8.08E-02	8.44E-02	8.71E-02	9.05E-02
2.27E+00	4.01E-02	9.44E-02	6.45E-02	6.45E-02	7.85E-02	8.21E-02	8.46E-02	8.81E-02
2.29E+00	3.83E-02	9.18E-02	6.23E-02	6.24E-02	7.61E-02	7.97E-02	8.25E-02	8.57E-02
3.00E+00	3.76E-02	9.07E-02	6.14E-02	6.15E-02	7.52E-02	7.87E-02	8.16E-02	8.47E-02
3.310E+00	3.64E-02	8.91E-02	6.00E-02	6.01E-02	7.38E-02	7.73E-02	8.03E-02	8.31E-02
3.328E+00	3.41E-02	8.63E-02	5.77E-02	5.80E-02	7.15E-02	7.50E-02	7.80E-02	8.06E-02
3.48E+00	3.17E-02	8.35E-02	5.54E-02	5.56E-02	6.92E-02	7.27E-02	7.57E-02	7.80E-02
3.68E+00	2.94E-02	8.06E-02	5.30E-02	5.33E-02	6.66E-02	7.03E-02	7.33E-02	7.54E-02
3.89E+00	2.72E-02	7.77E-02	5.06E-02	5.09E-02	6.41E-02	6.78E-02	7.08E-02	7.27E-02
4.12E+00	2.50E-02	7.47E-02	4.82E-02	4.84E-02	6.17E-02	6.52E-02	6.80E-02	7.00E-02
4.36E+00	2.29E-02	7.16E-02	4.58E-02	4.60E-02	5.91E-02	6.26E-02	6.52E-02	6.72E-02
4.61E+00	2.08E-02	6.85E-02	4.34E-02	4.34E-02	5.66E-02	6.01E-02	6.26E-02	6.44E-02
4.88E+00	1.88E-02	6.54E-02	4.09E-02	4.09E-02	5.41E-02	5.75E-02	6.00E-02	6.17E-02
5.17E+00	1.69E-02	6.23E-02	3.85E-02	3.84E-02	5.16E-02	5.48E-02	5.72E-02	5.90E-02
5.47E+00	1.52E-02	5.91E-02	3.61E-02	3.59E-02	4.91E-02	5.23E-02	5.45E-02	5.63E-02
5.578E+00	1.35E-02	5.59E-02	3.37E-02	3.35E-02	4.66E-02	4.97E-02	5.16E-02	5.35E-02
6.12E+00	1.06E-02	5.27E-02	3.14E-02	3.11E-02	4.38E-02	4.71E-02	4.87E-02	5.06E-02
6.48E+00	7.53E-03	4.96E-02	2.91E-02	2.87E-02	4.12E-02	4.44E-02	4.59E-02	4.76E-02
6.86E+00	5.47E-03	4.64E-02	2.69E-02	2.64E-02	3.85E-02	4.17E-02	4.32E-02	4.48E-02
7.26E+00	4.28E-03	4.33E-02	2.47E-02	2.42E-02	3.60E-02	3.90E-02	4.06E-02	4.20E-02
7.68E+00	2.90E-03	4.03E-02	2.26E-02	2.21E-02	3.34E-02	3.64E-02	3.78E-02	3.90E-02
8.13E+00	2.00E-03	3.75E-02	2.06E-02	2.01E-02	3.09E-02	3.39E-02	3.51E-02	3.62E-02
8.60E+00	1.55E-03	3.47E-02	1.87E-02	1.81E-02	2.85E-02	3.13E-02	3.26E-02	3.34E-02
9.10E+00	1.21E-03	3.20E-02	1.68E-02	1.62E-02	2.62E-02	2.90E-02	3.01E-02	3.07E-02
9.63E+00	9.26E-04	2.95E-02	1.51E-02	1.44E-02	2.40E-02	2.66E-02	2.77E-02	2.84E-02
1.00E+01	7.66E-04	2.79E-02	1.40E-02	1.33E-02	2.26E-02	2.50E-02	2.61E-02	2.68E-02
1.02E+01	6.95E-04	2.70E-02	1.34E-02	1.28E-02	2.19E-02	2.43E-02	2.52E-02	2.60E-02
1.08E+01	5.13E-04	2.47E-02	1.19E-02	1.12E-02	1.99E-02	2.20E-02	2.30E-02	2.37E-02
1.14E+01	3.47E-04	2.24E-02	1.05E-02	9.76E-03	1.80E-02	1.98E-02	2.08E-02	2.15E-02
1.21E+01	2.24E-04	2.02E-02	9.15E-03	8.46E-03	1.60E-02	1.79E-02	1.87E-02	1.94E-02
1.28E+01	1.54E-04	1.84E-02	7.94E-03	7.27E-03	1.43E-02	1.60E-02	1.68E-02	1.74E-02
1.35E+01	1.04E-04	1.66E-02	6.84E-03	6.16E-03	1.27E-02	1.42E-02	1.49E-02	1.54E-02
1.43E+01	6.87E-05	1.50E-02	5.85E-03	5.16E-03	1.12E-02	1.25E-02	1.31E-02	1.37E-02
1.51E+01	4.42E-05	1.34E-02	4.96E-03	4.29E-03	9.72E-03	1.09E-02	1.15E-02	1.22E-02
1.60E+01	2.77E-05	1.19E-02	4.17E-03	3.54E-03	8.34E-03	9.42E-03	1.01E-02	1.06E-02
1.70E+01	1.69E-05	1.05E-02	3.48E-03	2.89E-03	7.17E-03	8.06E-03	8.74E-03	9.24E-03
1.80E+01	1.00E-05	9.20E-03	2.87E-03	2.32E-03	6.09E-03	6.88E-03	7.52E-03	7.96E-03
1.90E+01	5.77E-06	8.00E-03	2.35E-03	1.84E-03	5.13E-03	5.81E-03	6.40E-03	6.76E-03

2.01E+01 2.87E-06 6.90E-03 1.90E-03 1.44E-03 4.27E-03 4.87E-03 5.41E-03 5.77E-03

2.13E+01 1.43E-06 5.90E-03 1.52E-03 1.11E-03 3.52E-03 4.05E-03 4.52E-03 4.84E-03

2.25E+01 7.37E-07 5.00E-03 1.20E-03 8.44E-04 2.87E-03 3.33E-03 3.73E-03 4.03E-03

2.38E+01 3.67E-07 4.19E-03 9.39E-04 6.35E-04 2.32E-03 2.70E-03 3.04E-03 3.35E-03

2.52E+01 1.75E-07 3.48E-03 7.25E-04 4.68E-04 1.84E-03 2.16E-03 2.48E-03 2.77E-03



2.67E+01 8.01E-08 2.86E-03 5.53E-04 3.38E-04 1.45E-03 1.70E-03 1.98E-03 2.24E-03

2.82E+01 3.50E-08 2.34E-03 4.16E-04 2.39E-04 1.12E-03 1.33E-03 1.56E-03 1.79E-03

2.99E+01 1.46E-08 1.90E-03 3.09E-04 1.67E-04 8.53E-04 1.02E-03 1.21E-03 1.41E-03

3.00E+01 1.37E-08 1.87E-03 3.02E-04 1.63E-04 8.36E-04 1.00E-03 1.18E-03 1.38E-03

3.16E+01 5.76E-09 1.53E-03 2.25E-04 1.14E-04 6.35E-04 7.70E-04 9.23E-04 1.09E-03

3.35E+01 2.16E-09 1.21E-03 1.62E-04 7.60E-05 4.69E-04 5.73E-04 6.97E-04 8.34E-04

3.54E+01 7.65E-10 9.43E-04 1.14E-04 4.95E-05 3.38E-04 4.24E-04 5.16E-04 6.27E-04

3.75E+01 2.55E-10 7.26E-04 7.96E-05 3.15E-05 2.39E-04 3.07E-04 3.75E-04 4.65E-04



3.97E+01 2.92E-11 5.51E-04 5.43E-05 1.95E-05 1.68E-04 2.16E-04 2.68E-04 3.38E-04

4.20E+01 7.85E-12 4.11E-04 3.64E-05 1.18E-05 1.15E-04 1.50E-04 1.87E-04 2.41E-04

4.44E+01 1.96E-12 3.01E-04 2.39E-05 6.84E-06 7.56E-05 1.02E-04 1.28E-04 1.69E-04

4.70E+01 4.51E-13 2.17E-04 1.53E-05 3.86E-06 4.88E-05 6.83E-05 8.61E-05 1.16E-04

4.97E+01 9.50E-14 1.53E-04 9.65E-06 2.12E-06 3.07E-05 4.43E-05 5.63E-05 7.77E-05

5.26E+01 1.82E-14 1.06E-04 5.93E-06 1.13E-06 1.90E-05 2.80E-05 3.59E-05 5.10E-05

5.57E+01 2.34E-15 7.20E-05 3.56E-06 5.78E-07 1.14E-05 1.72E-05 2.23E-05 3.26E-05

5.90E+01 6.22E-19 4.77E-05 2.08E-06 2.83E-07 6.61E-06 1.03E-05 1.35E-05 2.03E-05



6.24E+01 1.94E-26 3.09E-05 1.18E-06 1.33E-07 3.74E-06 5.97E-06 7.93E-06 1.23E-05

60E+01 0.00E+00 1.95E-05 6.56E-07 6.01E-08 2.05E-06 3.35E-06 4.55E-06 7.34E-06

99E+01 0.00E+00 1.20E-05 3.52E-07 2.59E-08 1.08E-06 1.82E-06 2.53E-06 4.23E-06

7.39E+01 0.00E+00 7.15E-06 1.83E-07 1.06E-08 5.53E-07 9.50E-07 1.36E-06 2.33E-06

7.82E+01 0.00E+00 4.14E-06 9.22E-08 4.00E-09 2.69E-07 4.79E-07 7.04E-07 1.24E-06

8.28E+01 0.00E+00 2.32E-06 4.48E-08 1.47E-09 1.26E-07 2.35E-07 3.51E-07 6.38E-07

8.76E+01 0.00E+00 1.26E-06 2.11E-08 5.07E-10 5.63E-08 1.09E-07 1.68E-07 3.15E-07

9.27E+01 0.00E+00 6.60E-07 9.54E-09 1.64E-10 2.42E-08 4.86E-08 7.69E-08 1.49E-07



9.81E+01 0.00E+00 3.33E-07 4.15E-09 5.00E-11 9.93E-09 2.06E-08 3.37E-08 6.81E-08

1.00E+02 0.00E+00 2.63E-07 3.12E-09 3.30E-11 7.31E-09 1.54E-08 2.53E-08 5.20E-08

1.04E+02 0.00E+00 1.61E-07 1.74E-09 1.42E-11 3.87E-09 8.34E-09 1.41E-08 2.99E-08

1.10E+02 0.00E+00 7.49E-08 6.95E-10 3.76E-12 1.41E-09 3.21E-09 5.59E-09 1.25E-08

1.16E+02 0.00E+00 3.33E-08 2.66E-10 9.18E-13 4.83E-10 1.16E-09 2.10E-09 4.97E-09

1.23E+02 0.00E+00 1.41E-08 9.73E-11 2.06E-13 1.56E-10 3.96E-10 7.47E-10 1.87E-09

1.30E+02 0.00E+00 5.68E-09 3.37E-11 4.25E-14 4.73E-11 1.27E-10 2.50E-10 6.67E-10

1.38E+02 0.00E+00 2.17E-09 1.11E-11 7.49E-15 1.32E-11 3.74E-11 7.83E-11 2.24E-10



1.46E+02 0.00E+00 7.85E-10 3.40E-12 1.08E-15 3.45E-12 1.01E-11 2.20E-11 7.04E-11

1.54E+02 0.00E+00 2.67E-10 1.00E-12 1.50E-16 7.80E-13 2.52E-12 6.00E-12 2.07E-11

1.63E+02 0.00E+00 8.55E-11 2.78E-13 1.35E-17 1.71E-13 5.47E-13 1.48E-12 5.64E-12

1.73E+02 0.00E+00 2.56E-11 7.27E-14 1.27E-18 3.29E-14 1.19E-13 3.41E-13 1.42E-12

1.83E+02 0.00E+00 7.14E-12 1.80E-14 1.01E-19 5.84E-15 1.99E-14 7.18E-14 3.28E-13

1.94E+02 0.00E+00 1.85E-12 3.73E-15 5.19E-21 9.35E-16 3.60E-15 1.41E-14 6.96E-14

2.05E+02 0.00E+00 4.43E-13 7.82E-16 2.55E-22 1.38E-16 5.87E-16 2.46E-15 1.17E-14

2.17E+02 0.00E+00 9.76E-14 1.57E-16 1.01E-23 1.18E-17 8.24E-17 3.95E-16 2.06E-15



2.29E+02 0.00E+00 1.97E-14 2.89E-17 3.15E-25 1.33E-18 1.01E-17 4.73E-17 3.08E-16

2.43E+02 0.00E+00 3.62E-15 4.96E-18 5.91E-27 1.28E-19 1.16E-18 5.98E-18 4.35E-17

2.57E+02 0.00E+00 6.02E-16 7.76E-19 1.12E-28 9.92E-21 1.11E-19 6.14E-19 5.50E-18

2.72E+02 0.00E+00 9.03E-17 1.11E-19 0.00E+00 7.32E-22 7.38E-21 6.01E-20 6.16E-19

2.88E+02 0.00E+00 1.21E-17 1.43E-20 0.00E+00 4.43E-23 5.63E-22 4.90E-21 6.07E-20

3.00E+02 0.00E+00 2.57E-18 2.94E-21 0.00E+00 5.01E-24 6.40E-23 4.36E-22 1.01E-20

3.05E+02 0.00E+00 1.45E-18 1.65E-21 0.00E+00 2.03E-24 3.07E-23 2.15E-22 5.22E-21

3.22E+02 0.00E+00 1.53E-19 1.69E-22 0.00E+00 7.97E-26 1.37E-24 9.88E-24 3.90E-22



3.41E+02 0.00E+00 1.42E-20 1.50E-23 0.00E+00 2.53E-27 6.00E-26 5.03E-25 4.16E-24

3.61E+02 0.00E+00 1.14E-21 1.19E-24 0.00E+00 4.44E-29 1.66E-27 1.35E-26 1.31E-25

3.82E+02 0.00E+00 7.94E-23 8.21E-26 0.00E+00 0.00E+00 3.63E-29 4.34E-28 5.34E-27

4.04E+02 0.00E+00 4.73E-24 4.85E-27 0.00E+00 0.00E+00 0.00E+00 9.89E-30 1.81E-28

4.28E+02 0.00E+00 2.39E-25 2.44E-28 0.00E+00 0.00E+00 0.00E+00 0.00E+00 3.39E-30

4.53E+02 0.00E+00 1.02E-26 1.03E-29 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 3.60E-28 3.60E-31 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 8.75E-30 8.75E-33 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



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

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

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

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

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

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

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

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



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

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

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

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

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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 H-3.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	1.184E-01
2	0.000E+00	1.184E-01
3	0.000E+00	1.184E-01

Title : RESRAD Default Parameters

Input File : FCS BFM INSITU UA H-3.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	12	-0.04	12	-0.01	15	-0.01	15	0.00
Contaminated zone b parameter	10	-0.04	10	-0.01	8	-0.05	8	-0.01
Evapotranspiration coefficient	3	0.57	3	0.16	3	0.49	3	0.16
Wind Speed	7	0.05	7	0.01	17	0.00	17	0.00
Runoff coefficient	4	0.29	4	0.07	4	0.27	4	0.08
b Parameter of Unsaturated zone 1	15	0.02	15	0.00	9	0.05	9	0.01
Mass loading for inhalation	13	0.02	13	0.01	12	0.01	12	0.00
Indoor dust filtration factor	16	-0.02	16	0.00	16	0.00	16	0.00
Depth of soil mixing layer	6	0.06	6	0.01	7	0.05	7	0.02
Depth of roots	2	0.93	2	0.58	2	0.90	2	0.59
Wet weight crop yield of fruit, grain and non-leafy vegetables	5	-0.08	5	-0.02	5	-0.08	5	-0.02
Weathering removal constant of all vegetation	11	0.04	11	0.01	6	0.06	6	0.02
Wet foliar interception fraction of leafy vegetables	9	-0.05	9	-0.01	11	-0.02	11	-0.01
Humidity in air	14	0.02	14	0.00	10	0.03	10	0.01
Cover erosion rate	8	0.05	8	0.01	14	0.01	14	0.00
Kd of H-3 in Contaminated Zone	1	-0.96	1	-0.76	1	-0.93	1	-0.73
Kd of H-3 in Saturated Zone	17	0.00	17	0.00	13	-0.01	13	0.00

R-SQUARE 0.95 0.95 0.92 0.92

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

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



Title : RESRAD Default Parameters

Input File : FCS BFM INSITU UA H-3.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	15	-0.01	15	0.00	11	0.03	11	0.01
Contaminated zone b parameter	14	0.01	14	0.00	5	0.06	5	0.02
Evapotranspiration coefficient	3	0.59	3	0.17	3	0.48	3	0.17
Wind Speed	9	0.02	9	0.01	13	-0.02	13	-0.01
Runoff coefficient	4	0.33	4	0.08	4	0.21	4	0.07
b Parameter of Unsaturated zone 1	8	-0.02	8	-0.01	7	-0.05	7	-0.02
Mass loading for inhalation	5	-0.07	5	-0.02	10	-0.03	10	-0.01
Indoor dust filtration factor	16	0.00	16	0.00	6	0.06	6	0.02
Depth of soil mixing layer	13	0.01	13	0.00	17	0.00	17	0.00
Depth of roots	2	0.93	2	0.58	2	0.89	2	0.60
Wet weight crop yield of fruit, grain and non-leafy vegetables	12	0.01	12	0.00	15	0.01	15	0.00
Weathering removal constant of all vegetation	17	0.00	17	0.00	9	0.04	9	0.01
Wet foliar interception fraction of leafy vegetables	7	0.02	7	0.01	8	-0.05	8	-0.01
Humidity in air	10	-0.02	10	0.00	12	-0.03	12	-0.01
Cover erosion rate	11	0.01	11	0.00	16	0.01	16	0.00
Kd of H-3 in Contaminated Zone	1	-0.96	1	-0.76	1	-0.92	1	-0.72
Kd of H-3 in Saturated Zone	6	-0.05	6	-0.01	14	0.02	14	0.00

R-SQUARE	0.95	0.95	0.91	0.91
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-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 H-3.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	5	0.05	5	0.01	16	0.00	16	0.00
Contaminated zone b parameter	17	0.00	17	0.00	11	-0.02	11	-0.01
Evapotranspiration coefficient	3	0.55	3	0.15	3	0.44	3	0.15
Wind Speed	14	-0.01	14	0.00	7	0.04	7	0.01
Runoff coefficient	4	0.35	4	0.09	4	0.25	4	0.08
b Parameter of Unsaturated zone 1	13	0.01	13	0.00	5	0.06	5	0.02
Mass loading for inhalation	10	0.03	10	0.01	15	0.01	15	0.00
Indoor dust filtration factor	12	0.01	12	0.00	13	0.01	13	0.00
Depth of soil mixing layer	11	0.02	11	0.00	12	0.02	12	0.01
Depth of roots	2	0.93	2	0.59	2	0.89	2	0.60
Wet weight crop yield of fruit, grain and non-leafy vegetables	7	0.04	7	0.01	14	0.01	14	0.00
Weathering removal constant of all vegetation	8	-0.03	8	-0.01	6	-0.05	6	-0.02
Wet foliar interception fraction of leafy vegetables	16	0.01	16	0.00	8	0.03	8	0.01
Humidity in air	6	-0.04	6	-0.01	9	-0.02	9	-0.01
Cover erosion rate	15	0.01	15	0.00	17	0.00	17	0.00
Kd of H-3 in Contaminated Zone	1	-0.96	1	-0.76	1	-0.92	1	-0.72
Kd of H-3 in Saturated Zone	9	-0.03	9	-0.01	10	-0.02	10	-0.01
R-SQUARE		0.95		0.95		0.91		0.91

-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.