

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	
Cs-137												
Min	0.00E+00	3.37E-04	3.37E-04	3.29E-04	3.14E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.96E+02	3.96E+01	3.96E+01	3.64E+01	3.09E+01	1.73E+01	6.74E+00	5.87E-01	3.58E-03	3.05E-10		
Avg	1.86E+00	1.27E+00	1.23E+00	1.20E+00	1.14E+00	9.85E-01	6.21E-01	1.23E-01	1.59E-03	1.84E-10		
Std	1.15E+01	1.78E+00	1.77E+00	1.68E+00	1.53E+00	1.14E+00	5.78E-01	8.22E-02	9.62E-04	1.03E-10		
ALL												
Min	0.00E+00	3.37E-04	3.37E-04	3.29E-04	3.14E-04	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.96E+02	3.96E+01	3.96E+01	3.64E+01	3.09E+01	1.73E+01	6.74E+00	5.87E-01	3.58E-03	3.05E-10		
Avg	1.86E+00	1.27E+00	1.23E+00	1.20E+00	1.14E+00	9.85E-01	6.21E-01	1.23E-01	1.59E-03	1.84E-10		
Std	1.15E+01	1.78E+00	1.77E+00	1.68E+00	1.53E+00	1.14E+00	5.78E-01	8.22E-02	9.62E-04	1.03E-10		

ALL is total dose summed for all nuclides.

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Probabilistic Risk Summary

Nuclide	RISK(j,t)								
	(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
CS-137									
Min		7.06E-09	6.89E-09	6.58E-09	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.45E-04	7.80E-04	6.61E-04	3.70E-04	1.44E-04	1.25E-05	8.01E-08	6.90E-15
Avg		2.70E-05	2.63E-05	2.51E-05	2.17E-05	1.37E-05	2.73E-06	3.57E-08	4.15E-15
Std		3.76E-05	3.58E-05	3.25E-05	2.43E-05	1.24E-05	1.80E-06	2.18E-08	2.33E-15
<hr/>									
ALL									
Min		7.06E-09	6.89E-09	6.58E-09	5.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.45E-04	7.80E-04	6.61E-04	3.70E-04	1.44E-04	1.25E-05	8.01E-08	6.90E-15
Avg		2.70E-05	2.63E-05	2.51E-05	2.17E-05	1.37E-05	2.73E-06	3.57E-08	4.15E-15
Std		3.76E-05	3.58E-05	3.25E-05	2.43E-05	1.24E-05	1.80E-06	2.18E-08	2.33E-15
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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
Cs-137								
Min	3.03E-06	2.89E-06	2.63E-06	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.74E-05	2.93E-04	8.31E-02	1.22E+00	7.69E-01	1.53E-01	1.50E-03	1.42E-10
Avg	3.21E-06	4.13E-06	1.20E-04	1.48E-02	1.96E-02	6.05E-03	3.44E-04	7.48E-11
Std	7.94E-07	1.12E-05	2.37E-03	1.30E-01	1.19E-01	2.89E-02	5.74E-04	5.91E-11
ALL								
Min	3.03E-06	2.89E-06	2.63E-06	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.74E-05	2.93E-04	8.31E-02	1.22E+00	7.69E-01	1.53E-01	1.50E-03	1.42E-10
Avg	3.21E-06	4.13E-06	1.20E-04	1.48E-02	1.96E-02	6.05E-03	3.44E-04	7.48E-11
Std	7.94E-07	1.12E-05	2.37E-03	1.30E-01	1.19E-01	2.89E-02	5.74E-04	5.91E-11

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
CS-137								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	9.74E-08	4.67E-07	3.81E-07	7.78E-08	1.00E-09	1.74E-16
Avg	0.00E+00	0.00E+00	9.87E-11	3.34E-09	4.68E-09	1.44E-09	9.06E-11	1.85E-17
Std	0.00E+00	0.00E+00	2.83E-09	3.05E-08	3.06E-08	7.76E-09	1.66E-10	2.01E-17
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	9.74E-08	4.67E-07	3.81E-07	7.78E-08	1.00E-09	1.74E-16
Avg	0.00E+00	0.00E+00	9.87E-11	3.34E-09	4.68E-09	1.44E-09	9.06E-11	1.85E-17
Std	0.00E+00	0.00E+00	2.83E-09	3.05E-08	3.06E-08	7.76E-09	1.66E-10	2.01E-17

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
CS-137								
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
CS-137								
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	3.98E-01	3.91E-01	4.28E-01	4.10E-01	2.58E-01	5.12E-02	5.04E-04	4.77E-11
Avg	2.41E-01	2.37E-01	2.28E-01	1.98E-01	1.29E-01	2.75E-02	3.24E-04	2.96E-11
Std	1.41E-01	1.38E-01	1.32E-01	1.14E-01	7.26E-02	1.43E-02	1.49E-04	1.56E-11
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	3.98E-01	3.91E-01	4.28E-01	4.10E-01	2.58E-01	5.12E-02	5.04E-04	4.77E-11
Avg	2.41E-01	2.37E-01	2.28E-01	1.98E-01	1.29E-01	2.75E-02	3.24E-04	2.96E-11
Std	1.41E-01	1.38E-01	1.32E-01	1.14E-01	7.26E-02	1.43E-02	1.49E-04	1.56E-11

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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
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CS-137								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.88E-01	2.82E-01	3.54E-01	3.95E-01	2.49E-01	4.93E-02	4.86E-04	4.59E-11
Avg	1.75E-01	1.71E-01	1.65E-01	1.45E-01	9.48E-02	2.04E-02	2.65E-04	2.77E-11
Std	1.02E-01	1.00E-01	9.57E-02	8.56E-02	5.62E-02	1.13E-02	1.41E-04	1.51E-11
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ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.88E-01	2.82E-01	3.54E-01	3.95E-01	2.49E-01	4.93E-02	4.86E-04	4.59E-11
Avg	1.75E-01	1.71E-01	1.65E-01	1.45E-01	9.48E-02	2.04E-02	2.65E-04	2.77E-11
Std	1.02E-01	1.00E-01	9.57E-02	8.56E-02	5.62E-02	1.13E-02	1.41E-04	1.51E-11
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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
CS-137								
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	5.02E-01	4.92E-01	5.71E-01	5.91E-01	3.72E-01	7.38E-02	7.27E-04	6.87E-11
Avg	3.05E-01	2.99E-01	2.87E-01	2.51E-01	1.64E-01	3.51E-02	4.32E-04	4.20E-11
Std	1.78E-01	1.74E-01	1.67E-01	1.46E-01	9.40E-02	1.87E-02	2.10E-04	2.24E-11
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	5.02E-01	4.92E-01	5.71E-01	5.91E-01	3.72E-01	7.38E-02	7.27E-04	6.87E-11
Avg	3.05E-01	2.99E-01	2.87E-01	2.51E-01	1.64E-01	3.51E-02	4.32E-04	4.20E-11
Std	1.78E-01	1.74E-01	1.67E-01	1.46E-01	9.40E-02	1.87E-02	2.10E-04	2.24E-11

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
Cs-137								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	2.96E-04	5.60E-04	3.53E-04	7.00E-05	6.89E-07	6.52E-14
Avg	0.00E+00	0.00E+00	2.95E-07	7.44E-06	9.44E-06	2.82E-06	1.75E-07	3.53E-14
Std	0.00E+00	0.00E+00	8.52E-06	6.19E-05	5.55E-05	1.34E-05	2.71E-07	2.68E-14
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	2.96E-04	5.60E-04	3.53E-04	7.00E-05	6.89E-07	6.52E-14
Avg	0.00E+00	0.00E+00	2.95E-07	7.44E-06	9.44E-06	2.82E-06	1.75E-07	3.53E-14
Std	0.00E+00	0.00E+00	8.52E-06	6.19E-05	5.55E-05	1.34E-05	2.71E-07	2.68E-14

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
<hr/>								
CS-137								
Min	1.38E-04	1.35E-04	1.29E-04	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.78E+01	1.63E+01	1.38E+01	7.74E+00	2.48E+00	1.99E-01	7.67E-04	2.16E-11
Avg	2.12E-01	2.05E-01	1.93E-01	1.57E-01	8.90E-02	1.40E-02	9.43E-05	4.01E-12
Std	7.33E-01	6.96E-01	6.28E-01	4.52E-01	2.12E-01	2.51E-02	1.24E-04	4.18E-12
ALL								
Min	1.38E-04	1.35E-04	1.29E-04	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.78E+01	1.63E+01	1.38E+01	7.74E+00	2.48E+00	1.99E-01	7.67E-04	2.16E-11
Avg	2.12E-01	2.05E-01	1.93E-01	1.57E-01	8.90E-02	1.40E-02	9.43E-05	4.01E-12
Std	7.33E-01	6.96E-01	6.28E-01	4.52E-01	2.12E-01	2.51E-02	1.24E-04	4.18E-12
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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
Cs-137								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
CS-137								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CS-137.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
Cs-137								
Min	1.30E-05	1.27E-05	1.21E-05	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.14E+00	1.10E+00	1.02E+00	8.02E-01	3.98E-01	3.45E-02	1.29E-04	6.06E-12
Avg	1.96E-02	1.91E-02	1.80E-02	1.48E-02	8.50E-03	1.35E-03	9.05E-06	3.76E-13
Std	6.51E-02	6.27E-02	5.82E-02	4.52E-02	2.32E-02	2.91E-03	1.50E-05	5.02E-13
ALL								
Min	1.30E-05	1.27E-05	1.21E-05	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.14E+00	1.10E+00	1.02E+00	8.02E-01	3.98E-01	3.45E-02	1.29E-04	6.06E-12
Avg	1.96E-02	1.91E-02	1.80E-02	1.48E-02	8.50E-03	1.35E-03	9.05E-06	3.76E-13
Std	6.51E-02	6.27E-02	5.82E-02	4.52E-02	2.32E-02	2.91E-03	1.50E-05	5.02E-13

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-137.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
Cs-137								
Min	8.23E-05	8.05E-05	7.68E-05	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.80E+00	9.02E+00	7.64E+00	4.28E+00	1.60E+00	1.39E-01	5.30E-04	1.48E-11
Avg	1.25E-01	1.22E-01	1.14E-01	9.31E-02	5.30E-02	8.38E-03	5.64E-05	2.38E-12
Std	4.24E-01	4.03E-01	3.65E-01	2.66E-01	1.27E-01	1.53E-02	7.66E-05	2.54E-12
ALL								
Min	8.23E-05	8.05E-05	7.68E-05	6.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.80E+00	9.02E+00	7.64E+00	4.28E+00	1.60E+00	1.39E-01	5.30E-04	1.48E-11
Avg	1.25E-01	1.22E-01	1.14E-01	9.31E-02	5.30E-02	8.38E-03	5.64E-05	2.38E-12
Std	4.24E-01	4.03E-01	3.65E-01	2.66E-01	1.27E-01	1.53E-02	7.66E-05	2.54E-12

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-137.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
CS-137								
Min	9.90E-05	9.67E-05	9.23E-05	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.13E+01	1.04E+01	8.80E+00	4.93E+00	2.05E+00	1.78E-01	6.75E-04	1.95E-11
Avg	1.50E-01	1.46E-01	1.37E-01	1.12E-01	6.36E-02	1.01E-02	6.78E-05	2.86E-12
Std	5.03E-01	4.79E-01	4.34E-01	3.18E-01	1.53E-01	1.87E-02	9.40E-05	3.11E-12
ALL								
Min	9.90E-05	9.67E-05	9.23E-05	7.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.13E+01	1.04E+01	8.80E+00	4.93E+00	2.05E+00	1.78E-01	6.75E-04	1.95E-11
Avg	1.50E-01	1.46E-01	1.37E-01	1.12E-01	6.36E-02	1.01E-02	6.78E-05	2.86E-12
Std	5.03E-01	4.79E-01	4.34E-01	3.18E-01	1.53E-01	1.87E-02	9.40E-05	3.11E-12

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-137.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	1.78E-02	1.74E-02	1.66E-02	1.41E-02	9.08E-03	2.47E-03	3.88E-05	0.00E+00
0.050	4.00E-02	3.91E-02	3.75E-02	3.29E-02	2.45E-02	6.80E-03	1.52E-04	1.36E-12
0.075	7.53E-02	7.36E-02	7.03E-02	6.29E-02	4.52E-02	1.46E-02	3.39E-04	1.09E-11
0.100	1.25E-01	1.22E-01	1.20E-01	1.09E-01	8.16E-02	2.51E-02	5.29E-04	2.39E-11
0.125	2.07E-01	2.07E-01	2.02E-01	1.81E-01	1.27E-01	3.85E-02	6.39E-04	4.25E-11
0.150	2.81E-01	2.76E-01	2.68E-01	2.39E-01	1.66E-01	4.70E-02	7.47E-04	5.74E-11
0.175	3.90E-01	3.84E-01	3.81E-01	3.44E-01	2.35E-01	5.65E-02	8.34E-04	7.03E-11
0.200	4.85E-01	4.78E-01	4.63E-01	4.12E-01	2.76E-01	6.64E-02	9.16E-04	8.05E-11
0.225	5.68E-01	5.55E-01	5.36E-01	4.74E-01	3.14E-01	7.48E-02	9.70E-04	8.79E-11
0.250	6.48E-01	6.38E-01	6.12E-01	5.44E-01	3.57E-01	8.14E-02	1.02E-03	9.46E-11
0.275	7.09E-01	6.94E-01	6.66E-01	5.89E-01	3.90E-01	8.86E-02	1.06E-03	1.00E-10
0.300	7.66E-01	7.56E-01	7.30E-01	6.31E-01	4.12E-01	9.35E-02	1.09E-03	1.04E-10
0.325	8.15E-01	7.99E-01	7.71E-01	6.68E-01	4.40E-01	9.74E-02	1.13E-03	1.10E-10
0.350	8.80E-01	8.64E-01	8.31E-01	7.20E-01	4.64E-01	1.01E-01	1.15E-03	1.25E-10
0.375	9.14E-01	8.97E-01	8.62E-01	7.47E-01	4.86E-01	1.05E-01	1.17E-03	1.42E-10
0.400	9.51E-01	9.33E-01	8.96E-01	7.75E-01	5.04E-01	1.07E-01	1.19E-03	1.52E-10
0.425	9.88E-01	9.73E-01	9.32E-01	8.04E-01	5.17E-01	1.10E-01	1.22E-03	1.64E-10
0.450	1.02E+00	9.95E-01	9.53E-01	8.23E-01	5.28E-01	1.12E-01	1.25E-03	1.80E-10
0.475	1.04E+00	1.02E+00	9.81E-01	8.44E-01	5.44E-01	1.14E-01	1.27E-03	1.95E-10
0.500	1.06E+00	1.04E+00	1.00E+00	8.65E-01	5.55E-01	1.16E-01	1.30E-03	2.08E-10
0.525	1.09E+00	1.07E+00	1.02E+00	8.82E-01	5.68E-01	1.18E-01	1.32E-03	2.20E-10
0.550	1.11E+00	1.08E+00	1.04E+00	9.01E-01	5.78E-01	1.20E-01	1.35E-03	2.31E-10
0.575	1.13E+00	1.10E+00	1.06E+00	9.12E-01	5.85E-01	1.22E-01	1.39E-03	2.40E-10
0.600	1.15E+00	1.12E+00	1.08E+00	9.27E-01	5.93E-01	1.23E-01	1.43E-03	2.49E-10
0.625	1.16E+00	1.14E+00	1.09E+00	9.39E-01	6.00E-01	1.25E-01	1.49E-03	2.57E-10
0.650	1.18E+00	1.15E+00	1.11E+00	9.51E-01	6.08E-01	1.28E-01	1.55E-03	2.63E-10
0.675	1.20E+00	1.17E+00	1.12E+00	9.67E-01	6.18E-01	1.31E-01	1.62E-03	2.71E-10
0.700	1.22E+00	1.19E+00	1.14E+00	9.83E-01	6.31E-01	1.33E-01	1.72E-03	2.75E-10
0.725	1.24E+00	1.22E+00	1.17E+00	1.01E+00	6.51E-01	1.35E-01	1.92E-03	2.80E-10
0.750	1.27E+00	1.25E+00	1.20E+00	1.05E+00	6.74E-01	1.38E-01	2.23E-03	2.84E-10
0.775	1.33E+00	1.31E+00	1.25E+00	1.09E+00	6.92E-01	1.43E-01	2.61E-03	2.89E-10
0.800	1.38E+00	1.35E+00	1.29E+00	1.12E+00	7.32E-01	1.50E-01	2.95E-03	2.91E-10
0.825	1.45E+00	1.43E+00	1.37E+00	1.20E+00	7.73E-01	1.59E-01	3.14E-03	2.94E-10
0.850	1.56E+00	1.53E+00	1.47E+00	1.30E+00	8.38E-01	1.71E-01	3.19E-03	2.96E-10
0.875	1.71E+00	1.67E+00	1.59E+00	1.40E+00	9.37E-01	1.87E-01	3.21E-03	2.98E-10
0.900	1.94E+00	1.89E+00	1.81E+00	1.58E+00	1.09E+00	2.18E-01	3.22E-03	3.00E-10
0.925	2.20E+00	2.16E+00	2.06E+00	1.92E+00	1.36E+00	2.54E-01	3.22E-03	3.01E-10
0.950	2.83E+00	2.76E+00	2.63E+00	2.51E+00	1.67E+00	3.28E-01	3.23E-03	3.02E-10
0.975	4.51E+00	4.40E+00	4.18E+00	3.51E+00	2.12E+00	3.43E-01	3.25E-03	3.04E-10
1.000	3.96E+01	3.64E+01	3.09E+01	1.73E+01	6.74E+00	5.87E-01	3.58E-03	3.05E-10

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-137.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	3.37E-04	3.96E+01	1.26E+00	1.07E+00	1.96E+00	3.06E+00	4.41E+00	7.92E+00
1.00E+00	3.29E-04	3.64E+01	1.23E+00	1.05E+00	1.91E+00	2.97E+00	4.29E+00	7.65E+00
1.06E+00	3.29E-04	3.63E+01	1.22E+00	1.05E+00	1.91E+00	2.97E+00	4.29E+00	7.63E+00
1.12E+00	3.28E-04	3.61E+01	1.22E+00	1.05E+00	1.91E+00	2.97E+00	4.28E+00	7.62E+00
1.19E+00	3.28E-04	3.59E+01	1.22E+00	1.05E+00	1.91E+00	2.96E+00	4.27E+00	7.60E+00
1.25E+00	3.27E-04	3.57E+01	1.22E+00	1.04E+00	1.90E+00	2.95E+00	4.27E+00	7.58E+00
1.33E+00	3.26E-04	3.55E+01	1.21E+00	1.04E+00	1.90E+00	2.95E+00	4.26E+00	7.56E+00
1.40E+00	3.26E-04	3.52E+01	1.21E+00	1.04E+00	1.90E+00	2.94E+00	4.25E+00	7.54E+00
1.49E+00	3.25E-04	3.50E+01	1.21E+00	1.04E+00	1.89E+00	2.94E+00	4.24E+00	7.52E+00
1.57E+00	3.25E-04	3.47E+01	1.21E+00	1.04E+00	1.89E+00	2.93E+00	4.23E+00	7.50E+00
1.66E+00	3.24E-04	3.45E+01	1.20E+00	1.04E+00	1.88E+00	2.92E+00	4.22E+00	7.47E+00
1.76E+00	3.23E-04	3.42E+01	1.20E+00	1.03E+00	1.88E+00	2.91E+00	4.21E+00	7.45E+00
1.86E+00	3.22E-04	3.39E+01	1.20E+00	1.03E+00	1.88E+00	2.91E+00	4.20E+00	7.42E+00
1.97E+00	3.22E-04	3.36E+01	1.19E+00	1.03E+00	1.87E+00	2.90E+00	4.19E+00	7.39E+00
2.09E+00	3.21E-04	3.33E+01	1.19E+00	1.03E+00	1.87E+00	2.89E+00	4.17E+00	7.36E+00
2.21E+00	3.20E-04	3.30E+01	1.19E+00	1.02E+00	1.86E+00	2.88E+00	4.16E+00	7.33E+00
2.24E+00	3.19E-04	3.26E+01	1.18E+00	1.02E+00	1.85E+00	2.87E+00	4.15E+00	7.30E+00
2.27E+00	3.18E-04	3.22E+01	1.18E+00	1.02E+00	1.85E+00	2.86E+00	4.13E+00	7.27E+00
2.26E+00	3.17E-04	3.19E+01	1.17E+00	1.01E+00	1.84E+00	2.85E+00	4.12E+00	7.23E+00
2.27E+00	3.16E-04	3.15E+01	1.17E+00	1.01E+00	1.84E+00	2.84E+00	4.10E+00	7.19E+00
2.29E+00	3.15E-04	3.10E+01	1.17E+00	1.01E+00	1.83E+00	2.82E+00	4.08E+00	7.15E+00
3.00E+00	3.14E-04	3.09E+01	1.16E+00	1.00E+00	1.83E+00	2.82E+00	4.08E+00	7.13E+00
3.31E+00	3.13E-04	3.06E+01	1.16E+00	1.00E+00	1.82E+00	2.81E+00	4.07E+00	7.11E+00
3.32E+00	3.12E-04	3.01E+01	1.16E+00	9.97E-01	1.81E+00	2.80E+00	4.05E+00	7.06E+00
3.48E+00	3.11E-04	2.97E+01	1.15E+00	9.93E-01	1.81E+00	2.78E+00	4.03E+00	7.02E+00
3.68E+00	3.09E-04	2.92E+01	1.15E+00	9.89E-01	1.81E+00	2.77E+00	4.00E+00	6.97E+00
3.89E+00	3.08E-04	2.87E+01	1.14E+00	9.85E-01	1.80E+00	2.75E+00	3.98E+00	6.92E+00
4.12E+00	3.06E-04	2.81E+01	1.13E+00	9.82E-01	1.79E+00	2.74E+00	3.96E+00	6.86E+00
4.36E+00	3.04E-04	2.76E+01	1.13E+00	9.80E-01	1.78E+00	2.76E+00	3.93E+00	6.81E+00
4.61E+00	3.03E-04	2.70E+01	1.12E+00	9.76E-01	1.77E+00	2.74E+00	3.91E+00	6.75E+00
4.88E+00	3.01E-04	2.64E+01	1.12E+00	9.70E-01	1.79E+00	2.72E+00	3.88E+00	6.68E+00
5.17E+00	2.99E-04	2.58E+01	1.11E+00	9.64E-01	1.78E+00	2.70E+00	3.85E+00	6.62E+00
5.47E+00	2.97E-04	2.51E+01	1.10E+00	9.58E-01	1.76E+00	2.72E+00	3.82E+00	6.55E+00
5.78E+00	2.95E-04	2.45E+01	1.09E+00	9.52E-01	1.76E+00	2.70E+00	3.79E+00	6.48E+00
6.12E+00	2.92E-04	2.38E+01	1.09E+00	9.45E-01	1.79E+00	2.68E+00	3.76E+00	6.40E+00
6.48E+00	2.90E-04	2.31E+01	1.08E+00	9.38E-01	1.77E+00	2.65E+00	3.72E+00	6.32E+00
6.86E+00	2.87E-04	2.24E+01	1.07E+00	9.31E-01	1.76E+00	2.70E+00	3.69E+00	6.24E+00
7.26E+00	2.85E-04	2.17E+01	1.06E+00	9.25E-01	1.74E+00	2.69E+00	3.65E+00	6.15E+00
7.68E+00	2.82E-04	2.09E+01	1.05E+00	9.17E-01	1.72E+00	2.67E+00	3.61E+00	6.06E+00
8.13E+00	2.79E-04	2.02E+01	1.04E+00	9.09E-01	1.71E+00	2.63E+00	3.57E+00	5.97E+00
8.60E+00	2.76E-04	1.94E+01	1.03E+00	8.99E-01	1.69E+00	2.60E+00	3.52E+00	5.88E+00
9.10E+00	2.73E-04	1.86E+01	1.02E+00	8.90E-01	1.74E+00	2.57E+00	3.48E+00	5.87E+00
9.63E+00	2.69E-04	1.78E+01	1.00E+00	8.79E-01	1.71E+00	2.53E+00	3.43E+00	5.77E+00
1.00E+01	2.67E-04	1.73E+01	9.95E-01	8.72E-01	1.71E+00	2.52E+00	3.40E+00	5.71E+00
1.02E+01	2.66E-04	1.70E+01	9.90E-01	8.68E-01	1.70E+00	2.51E+00	3.38E+00	5.68E+00
1.08E+01	2.62E-04	1.62E+01	9.77E-01	8.56E-01	1.68E+00	2.47E+00	3.33E+00	5.57E+00
1.14E+01	2.59E-04	1.54E+01	9.62E-01	8.45E-01	1.65E+00	2.43E+00	3.27E+00	5.47E+00
1.21E+01	2.55E-04	1.45E+01	9.46E-01	8.32E-01	1.64E+00	2.40E+00	3.22E+00	5.35E+00
1.28E+01	2.51E-04	1.37E+01	9.30E-01	8.19E-01	1.61E+00	2.35E+00	3.16E+00	5.24E+00
1.35E+01	2.46E-04	1.29E+01	9.14E-01	8.05E-01	1.58E+00	2.34E+00	3.10E+00	5.12E+00
1.43E+01	2.42E-04	1.21E+01	8.97E-01	7.91E-01	1.55E+00	2.30E+00	3.04E+00	5.00E+00
1.51E+01	2.37E-04	1.13E+01	8.79E-01	7.75E-01	1.52E+00	2.33E+00	2.97E+00	4.87E+00
1.60E+01	2.32E-04	1.05E+01	8.61E-01	7.60E-01	1.49E+00	2.28E+00	2.90E+00	4.74E+00
1.70E+01	2.27E-04	9.69E+00	8.42E-01	7.44E-01	1.45E+00	2.20E+00	2.89E+00	4.61E+00
1.80E+01	2.22E-04	8.92E+00	8.22E-01	7.30E-01	1.47E+00	2.09E+00	2.82E+00	4.47E+00
1.90E+01	2.17E-04	8.18E+00	8.02E-01	7.13E-01	1.43E+00	2.11E+00	2.74E+00	4.33E+00

2.01E+01 2.12E-04 7.46E+00 7.81E-01 6.95E-01 1.39E+00 2.12E+00 2.67E+00 4.18E+00

2.13E+01 2.06E-04 6.77E+00 7.60E-01 6.77E-01 1.36E+00 2.06E+00 2.59E+00 4.03E+00

2.25E+01 2.00E-04 6.32E+00 7.38E-01 6.58E-01 1.32E+00 2.00E+00 2.57E+00 3.88E+00

2.38E+01 1.94E-04 5.98E+00 7.16E-01 6.40E-01 1.28E+00 1.94E+00 2.49E+00 3.73E+00

2.52E+01 1.88E-04 5.65E+00 6.93E-01 6.21E-01 1.26E+00 1.88E+00 2.41E+00 3.57E+00

2.67E+01 1.82E-04 5.31E+00 6.69E-01 6.01E-01 1.19E+00 1.82E+00 2.32E+00 3.41E+00

2.82E+01 1.75E-04 4.97E+00 6.45E-01 5.80E-01 1.18E+00 1.76E+00 2.24E+00 3.26E+00

2.99E+01 1.35E-05 4.64E+00 6.19E-01 5.60E-01 1.13E+00 1.69E+00 2.15E+00 3.11E+00

3.00E+01 0.00E+00 4.62E+00 6.17E-01 5.58E-01 1.13E+00 1.69E+00 2.14E+00 3.10E+00

3.16E+01 0.00E+00 4.32E+00 5.94E-01 5.38E-01 1.09E+00 1.63E+00 2.06E+00 2.93E+00

3.35E+01 0.00E+00 4.00E+00 5.69E-01 5.17E-01 1.04E+00 1.56E+00 1.97E+00 2.77E+00

3.54E+01 0.00E+00 3.68E+00 5.43E-01 4.95E-01 9.93E-01 1.49E+00 1.88E+00 2.61E+00

3.75E+01 0.00E+00 3.38E+00 5.17E-01 4.72E-01 9.49E-01 1.42E+00 1.76E+00 2.45E+00

3.97E+01 0.00E+00 3.08E+00 4.92E-01 4.50E-01 9.01E-01 1.35E+00 1.62E+00 2.29E+00

4.20E+01 0.00E+00 2.80E+00 4.66E-01 4.27E-01 8.53E-01 1.28E+00 1.52E+00 2.13E+00

4.44E+01 0.00E+00 2.55E+00 4.40E-01 4.04E-01 8.35E-01 1.21E+00 1.43E+00 1.98E+00

4.70E+01 0.00E+00 2.34E+00 4.15E-01 3.82E-01 7.84E-01 1.14E+00 1.34E+00 1.82E+00

4.97E+01 0.00E+00 2.14E+00 3.89E-01 3.59E-01 7.33E-01 1.07E+00 1.25E+00 1.68E+00

5.26E+01 0.00E+00 1.94E+00 3.64E-01 3.36E-01 6.83E-01 9.99E-01 1.16E+00 1.53E+00

5.57E+01 0.00E+00 1.76E+00 3.39E-01 3.14E-01 6.34E-01 9.31E-01 1.07E+00 1.40E+00

5.90E+01 0.00E+00 1.58E+00 3.15E-01 2.92E-01 5.94E-01 8.60E-01 9.91E-01 1.27E+00

6.24E+01 0.00E+00 1.41E+00 2.91E-01 2.70E-01 5.50E-01 7.94E-01 8.98E-01 1.16E+00

6.60E+01 0.00E+00 1.25E+00 2.68E-01 2.48E-01 5.05E-01 7.31E-01 8.07E-01 1.02E+00

99E+01 0.00E+00 1.10E+00 2.45E-01 2.27E-01 4.61E-01 6.68E-01 7.33E-01 9.06E-01

7.39E+01 0.00E+00 9.64E-01 2.23E-01 2.08E-01 4.19E-01 6.07E-01 6.62E-01 8.04E-01

7.82E+01 0.00E+00 8.49E-01 2.02E-01 1.89E-01 3.78E-01 5.50E-01 5.94E-01 7.08E-01

8.28E+01 0.00E+00 7.43E-01 1.82E-01 1.70E-01 3.43E-01 4.95E-01 5.18E-01 6.21E-01

8.76E+01 0.00E+00 6.45E-01 1.63E-01 1.52E-01 3.05E-01 4.42E-01 4.59E-01 5.53E-01

9.27E+01 0.00E+00 5.61E-01 1.45E-01 1.36E-01 2.69E-01 3.92E-01 4.05E-01 4.90E-01

9.81E+01 0.00E+00 4.84E-01 1.28E-01 1.21E-01 2.35E-01 3.42E-01 3.56E-01 4.31E-01

1.00E+02 0.00E+00 4.60E-01 1.23E-01 1.16E-01 2.24E-01 3.28E-01 3.41E-01 4.09E-01

1.04E+02 0.00E+00 4.15E-01 1.12E-01 1.06E-01 2.04E-01 3.00E-01 3.12E-01 3.62E-01

1.10E+02 0.00E+00 3.51E-01 9.79E-02 9.27E-02 1.73E-01 2.61E-01 2.70E-01 3.07E-01

1.16E+02 0.00E+00 2.95E-01 8.46E-02 8.02E-02 1.48E-01 2.25E-01 2.32E-01 2.61E-01

1.23E+02 0.00E+00 2.45E-01 7.25E-02 6.93E-02 1.26E-01 1.92E-01 1.97E-01 2.21E-01

1.30E+02 0.00E+00 2.02E-01 6.16E-02 5.88E-02 1.05E-01 1.62E-01 1.67E-01 1.83E-01

1.38E+02 0.00E+00 1.68E-01 5.19E-02 4.99E-02 8.61E-02 1.31E-01 1.39E-01 1.47E-01

1.46E+02 0.00E+00 1.39E-01 4.33E-02 4.17E-02 7.32E-02 1.01E-01 1.15E-01 1.20E-01

1.54E+02 0.00E+00 1.14E-01 3.59E-02 3.43E-02 6.00E-02 8.73E-02 9.44E-02 9.63E-02

1.63E+02 0.00E+00 9.18E-02 2.94E-02 2.79E-02 4.86E-02 7.26E-02 7.65E-02 7.88E-02

1.73E+02 0.00E+00 7.32E-02 2.39E-02 2.26E-02 4.00E-02 5.70E-02 6.13E-02 6.27E-02

1.83E+02 0.00E+00 5.77E-02 1.94E-02 1.81E-02 3.28E-02 4.60E-02 4.85E-02 4.92E-02

1.94E+02 0.00E+00 4.48E-02 1.56E-02 1.42E-02 2.83E-02 3.77E-02 3.80E-02 3.96E-02

2.05E+02 0.00E+00 3.43E-02 1.23E-02 1.11E-02 2.38E-02 2.91E-02 2.93E-02 2.99E-02

2.17E+02 0.00E+00 2.58E-02 9.59E-03 8.46E-03 2.10E-02 2.21E-02 2.23E-02 2.31E-02

2.29E+02 0.00E+00 1.91E-02 7.35E-03 6.39E-03 1.63E-02 1.65E-02 1.67E-02 1.72E-02

2.43E+02 0.00E+00 1.39E-02 5.53E-03 4.73E-03 1.20E-02 1.21E-02 1.22E-02 1.27E-02

2.57E+02 0.00E+00 9.95E-03 4.09E-03 3.45E-03 8.68E-03 8.73E-03 8.84E-03 9.10E-03

2.72E+02 0.00E+00 6.98E-03 2.96E-03 2.47E-03 6.16E-03 6.17E-03 6.25E-03 6.41E-03

2.88E+02 0.00E+00 4.79E-03 2.09E-03 1.72E-03 4.27E-03 4.29E-03 4.34E-03 4.42E-03

3.00E+02 0.00E+00 3.58E-03 1.60E-03 1.30E-03 3.22E-03 3.23E-03 3.26E-03 3.32E-03

3.05E+02 0.00E+00 3.22E-03 1.45E-03 1.17E-03 2.90E-03 2.91E-03 2.93E-03 2.98E-03

3.22E+02 0.00E+00 2.11E-03 9.82E-04 7.85E-04 1.92E-03 1.93E-03 1.94E-03 1.97E-03

3.41E+02 0.00E+00 1.35E-03 6.48E-04 5.15E-04 1.25E-03 1.25E-03 1.25E-03 1.26E-03

3.61E+02 0.00E+00 8.45E-04 4.16E-04 3.28E-04 7.87E-04 7.88E-04 7.90E-04 7.95E-04

3.82E+02 0.00E+00 5.13E-04 2.60E-04 2.04E-04 4.83E-04 4.85E-04 4.85E-04 4.87E-04

4.04E+02 0.00E+00 3.03E-04 1.58E-04 1.23E-04 2.89E-04 2.90E-04 2.90E-04 2.91E-04

4.28E+02 0.00E+00 1.73E-04 9.29E-05 7.20E-05 1.67E-04 1.68E-04 1.68E-04 1.69E-04

4.53E+02 0.00E+00 9.57E-05 5.30E-05 4.13E-05 9.41E-05 9.46E-05 9.47E-05 9.47E-05

4.79E+02 0.00E+00 5.18E-05 2.92E-05 2.29E-05 5.11E-05 5.14E-05 5.15E-05 5.15E-05

5.07E+02 0.00E+00 2.71E-05 1.55E-05 1.23E-05 2.68E-05 2.70E-05 2.70E-05 2.70E-05

5.36E+02 0.00E+00 1.37E-05 7.91E-06 6.40E-06 1.35E-05 1.36E-05 1.36E-05 1.37E-05

5.68E+02 0.00E+00 6.63E-06 3.89E-06 3.23E-06 6.58E-06 6.61E-06 6.63E-06 6.63E-06

0.01E+02 0.00E+00 3.09E-06 1.83E-06 1.56E-06 3.06E-06 3.08E-06 3.09E-06 3.09E-06

6.36E+02 0.00E+00 1.38E-06 8.21E-07 7.31E-07 1.36E-06 1.37E-06 1.37E-06 1.38E-06

6.73E+02 0.00E+00 5.85E-07 3.50E-07 3.36E-07 5.80E-07 5.83E-07 5.84E-07 5.84E-07

7.12E+02 0.00E+00 2.36E-07 1.42E-07 1.45E-07 2.34E-07 2.36E-07 2.36E-07 2.36E-07

7.53E+02 0.00E+00 9.07E-08 5.46E-08 5.75E-08 8.98E-08 9.03E-08 9.05E-08 9.06E-08

7.97E+02 0.00E+00 3.29E-08 1.99E-08 2.20E-08 3.25E-08 3.27E-08 3.28E-08 3.29E-08

8.44E+02 0.00E+00 1.12E-08 6.83E-09 7.75E-09 1.11E-08 1.12E-08 1.12E-08 1.12E-08

93E+02 0.00E+00 3.61E-09 2.19E-09 2.45E-09 3.57E-09 3.59E-09 3.60E-09 3.61E-09

9.45E+02 0.00E+00 1.09E-09 6.57E-10 7.30E-10 1.07E-09 1.08E-09 1.08E-09 1.08E-09

1.00E+03 0.00E+00 3.04E-10 1.83E-10 2.08E-10 3.00E-10 3.02E-10 3.04E-10 3.04E-10

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-137.RAD

Summary of dose at graphical times, reptition 2

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.51E-03	1.57E+01	1.19E+00	1.08E+00	1.81E+00	2.73E+00	4.70E+00	7.34E+00
1.00E+00	1.48E-03	1.51E+01	1.17E+00	1.05E+00	1.76E+00	2.67E+00	4.58E+00	7.12E+00
1.06E+00	1.47E-03	1.51E+01	1.17E+00	1.05E+00	1.76E+00	2.66E+00	4.57E+00	7.11E+00
1.12E+00	1.47E-03	1.51E+01	1.16E+00	1.05E+00	1.76E+00	2.66E+00	4.56E+00	7.09E+00
1.19E+00	1.47E-03	1.50E+01	1.16E+00	1.05E+00	1.76E+00	2.65E+00	4.56E+00	7.08E+00
1.25E+00	1.47E-03	1.50E+01	1.16E+00	1.05E+00	1.75E+00	2.65E+00	4.55E+00	7.07E+00
1.33E+00	1.47E-03	1.49E+01	1.16E+00	1.05E+00	1.75E+00	2.65E+00	4.54E+00	7.05E+00
1.40E+00	1.46E-03	1.49E+01	1.16E+00	1.04E+00	1.75E+00	2.64E+00	4.53E+00	7.03E+00
1.49E+00	1.46E-03	1.49E+01	1.15E+00	1.04E+00	1.75E+00	2.64E+00	4.52E+00	7.02E+00
1.57E+00	1.46E-03	1.48E+01	1.15E+00	1.04E+00	1.74E+00	2.63E+00	4.51E+00	7.00E+00
1.66E+00	1.45E-03	1.48E+01	1.15E+00	1.04E+00	1.74E+00	2.62E+00	4.50E+00	6.98E+00
1.76E+00	1.45E-03	1.47E+01	1.15E+00	1.04E+00	1.73E+00	2.62E+00	4.49E+00	6.96E+00
1.86E+00	1.45E-03	1.47E+01	1.14E+00	1.03E+00	1.73E+00	2.61E+00	4.47E+00	6.93E+00
1.97E+00	1.44E-03	1.46E+01	1.14E+00	1.03E+00	1.73E+00	2.60E+00	4.46E+00	6.91E+00
2.09E+00	1.44E-03	1.45E+01	1.14E+00	1.03E+00	1.72E+00	2.60E+00	4.45E+00	6.89E+00
2.21E+00	1.44E-03	1.45E+01	1.14E+00	1.03E+00	1.72E+00	2.59E+00	4.43E+00	6.86E+00
2.24E+00	1.43E-03	1.44E+01	1.13E+00	1.02E+00	1.71E+00	2.58E+00	4.42E+00	6.83E+00
2.27E+00	1.43E-03	1.43E+01	1.13E+00	1.02E+00	1.71E+00	2.57E+00	4.40E+00	6.81E+00
2.26E+00	1.42E-03	1.43E+01	1.12E+00	1.02E+00	1.70E+00	2.56E+00	4.38E+00	6.78E+00
2.27E+00	1.42E-03	1.42E+01	1.12E+00	1.01E+00	1.70E+00	2.55E+00	4.37E+00	6.74E+00
2.29E+00	1.41E-03	1.41E+01	1.12E+00	1.01E+00	1.69E+00	2.54E+00	4.35E+00	6.71E+00
3.00E+00	1.41E-03	1.41E+01	1.12E+00	1.01E+00	1.69E+00	2.54E+00	4.34E+00	6.70E+00
3.31E+00	1.41E-03	1.40E+01	1.11E+00	1.01E+00	1.68E+00	2.53E+00	4.33E+00	6.68E+00
3.32E+00	1.40E-03	1.39E+01	1.11E+00	1.00E+00	1.68E+00	2.52E+00	4.31E+00	6.64E+00
3.48E+00	1.40E-03	1.38E+01	1.10E+00	1.00E+00	1.67E+00	2.51E+00	4.28E+00	6.60E+00
3.68E+00	1.39E-03	1.37E+01	1.10E+00	9.96E-01	1.66E+00	2.50E+00	4.26E+00	6.56E+00
3.89E+00	1.38E-03	1.36E+01	1.09E+00	9.91E-01	1.65E+00	2.48E+00	4.24E+00	6.52E+00
4.12E+00	1.37E-03	1.35E+01	1.09E+00	9.86E-01	1.70E+00	2.47E+00	4.21E+00	6.47E+00
4.36E+00	1.37E-03	1.34E+01	1.08E+00	9.82E-01	1.75E+00	2.46E+00	4.18E+00	6.43E+00
4.61E+00	1.36E-03	1.32E+01	1.08E+00	9.76E-01	1.75E+00	2.45E+00	4.16E+00	6.38E+00
4.88E+00	1.35E-03	1.31E+01	1.07E+00	9.71E-01	1.74E+00	2.44E+00	4.13E+00	6.32E+00
5.17E+00	1.34E-03	1.30E+01	1.07E+00	9.64E-01	1.73E+00	2.47E+00	4.10E+00	6.27E+00
5.47E+00	1.33E-03	1.28E+01	1.06E+00	9.58E-01	1.71E+00	2.45E+00	4.06E+00	6.21E+00
5.78E+00	1.32E-03	1.27E+01	1.06E+00	9.52E-01	1.70E+00	2.44E+00	4.03E+00	6.15E+00
6.12E+00	1.31E-03	1.25E+01	1.05E+00	9.45E-01	1.69E+00	2.42E+00	4.15E+00	6.09E+00
6.48E+00	1.30E-03	1.24E+01	1.04E+00	9.37E-01	1.70E+00	2.39E+00	4.11E+00	6.02E+00
6.86E+00	1.29E-03	1.22E+01	1.03E+00	9.30E-01	1.69E+00	2.37E+00	4.07E+00	5.95E+00
7.26E+00	1.28E-03	1.20E+01	1.02E+00	9.21E-01	1.67E+00	2.56E+00	4.03E+00	5.88E+00
7.68E+00	1.27E-03	1.18E+01	1.02E+00	9.13E-01	1.66E+00	2.59E+00	3.98E+00	5.80E+00
8.13E+00	1.25E-03	1.16E+01	1.01E+00	9.04E-01	1.64E+00	2.56E+00	3.93E+00	5.73E+00
8.60E+00	1.24E-03	1.14E+01	9.96E-01	8.94E-01	1.62E+00	2.57E+00	3.88E+00	5.64E+00
9.10E+00	1.23E-03	1.12E+01	9.85E-01	8.86E-01	1.60E+00	2.54E+00	3.83E+00	5.56E+00
9.63E+00	1.21E-03	1.10E+01	9.74E-01	8.76E-01	1.58E+00	2.50E+00	3.77E+00	5.47E+00
1.00E+01	1.20E-03	1.09E+01	9.66E-01	8.68E-01	1.57E+00	2.57E+00	3.73E+00	5.41E+00
1.02E+01	1.20E-03	1.08E+01	9.62E-01	8.65E-01	1.56E+00	2.55E+00	3.71E+00	5.38E+00
1.08E+01	1.18E-03	1.05E+01	9.50E-01	8.53E-01	1.54E+00	2.51E+00	3.65E+00	5.30E+00
1.14E+01	1.18E-03	1.03E+01	9.37E-01	8.41E-01	1.53E+00	2.47E+00	3.59E+00	5.21E+00
1.21E+01	2.31E-03	1.00E+01	9.24E-01	8.28E-01	1.50E+00	2.42E+00	3.52E+00	5.12E+00
1.28E+01	2.46E-03	9.79E+00	9.10E-01	8.15E-01	1.48E+00	2.46E+00	3.46E+00	5.02E+00
1.35E+01	2.42E-03	9.53E+00	8.95E-01	8.01E-01	1.46E+00	2.42E+00	3.39E+00	4.92E+00
1.43E+01	2.37E-03	9.25E+00	8.80E-01	7.88E-01	1.45E+00	2.38E+00	3.31E+00	4.82E+00
1.51E+01	2.33E-03	8.97E+00	8.64E-01	7.73E-01	1.44E+00	2.34E+00	3.24E+00	4.71E+00
1.60E+01	2.28E-03	8.68E+00	8.48E-01	7.59E-01	1.43E+00	2.30E+00	3.16E+00	4.60E+00
1.70E+01	2.23E-03	8.39E+00	8.30E-01	7.43E-01	1.41E+00	2.25E+00	3.08E+00	4.49E+00
1.80E+01	2.18E-03	8.09E+00	8.12E-01	7.27E-01	1.37E+00	2.19E+00	3.00E+00	4.37E+00
1.90E+01	2.13E-03	7.78E+00	7.92E-01	7.11E-01	1.35E+00	2.14E+00	2.91E+00	4.25E+00

2.01E+01 2.08E-03 7.47E+00 7.73E-01 6.93E-01 1.33E+00 2.08E+00 2.82E+00 4.12E+00

2.13E+01 2.02E-03 7.15E+00 7.53E-01 6.76E-01 1.30E+00 2.03E+00 2.74E+00 4.00E+00

2.25E+01 1.96E-03 6.83E+00 7.31E-01 6.57E-01 1.26E+00 1.97E+00 2.64E+00 3.87E+00

2.38E+01 1.90E-03 6.51E+00 7.09E-01 6.38E-01 1.23E+00 1.91E+00 2.55E+00 3.73E+00

2.52E+01 1.85E-03 6.19E+00 6.88E-01 6.19E-01 1.19E+00 1.85E+00 2.45E+00 3.60E+00

2.67E+01 1.78E-03 5.86E+00 6.65E-01 5.99E-01 1.15E+00 1.80E+00 2.35E+00 3.46E+00

2.82E+01 1.72E-03 5.53E+00 6.41E-01 5.79E-01 1.12E+00 1.73E+00 2.25E+00 3.31E+00

2.99E+01 1.66E-03 5.21E+00 6.18E-01 5.60E-01 1.08E+00 1.67E+00 2.15E+00 3.08E+00

3.00E+01 1.65E-03 5.18E+00 6.16E-01 5.59E-01 1.07E+00 1.66E+00 2.15E+00 3.06E+00

3.16E+01 1.59E-03 4.88E+00 5.94E-01 5.39E-01 1.03E+00 1.60E+00 2.05E+00 2.84E+00

3.35E+01 1.53E-03 4.56E+00 5.69E-01 5.16E-01 9.88E-01 1.54E+00 1.95E+00 2.64E+00

3.54E+01 1.46E-03 4.24E+00 5.44E-01 4.95E-01 9.41E-01 1.47E+00 1.90E+00 2.50E+00

3.75E+01 1.39E-03 3.93E+00 5.19E-01 4.73E-01 9.00E-01 1.40E+00 1.80E+00 2.37E+00

3.97E+01 1.32E-03 3.63E+00 4.93E-01 4.51E-01 8.57E-01 1.33E+00 1.71E+00 2.24E+00

4.20E+01 1.25E-03 3.33E+00 4.68E-01 4.29E-01 8.13E-01 1.26E+00 1.61E+00 2.11E+00

4.44E+01 1.19E-03 3.08E+00 4.42E-01 4.06E-01 7.71E-01 1.19E+00 1.52E+00 1.98E+00

4.70E+01 1.12E-03 2.83E+00 4.17E-01 3.83E-01 7.29E-01 1.12E+00 1.41E+00 1.85E+00

4.97E+01 1.05E-03 2.58E+00 3.91E-01 3.60E-01 6.83E-01 1.05E+00 1.28E+00 1.72E+00

5.26E+01 9.82E-04 2.35E+00 3.66E-01 3.38E-01 6.42E-01 9.84E-01 1.19E+00 1.59E+00

5.57E+01 9.15E-04 2.12E+00 3.41E-01 3.16E-01 5.96E-01 9.17E-01 1.10E+00 1.44E+00

5.90E+01 8.50E-04 1.91E+00 3.16E-01 2.94E-01 5.52E-01 8.50E-01 1.02E+00 1.32E+00

6.24E+01 7.86E-04 1.71E+00 2.92E-01 2.72E-01 5.09E-01 7.84E-01 9.36E-01 1.21E+00

6.0E+01 7.23E-04 1.52E+00 2.69E-01 2.50E-01 4.75E-01 7.21E-01 8.55E-01 1.09E+00

99E+01 6.62E-04 1.34E+00 2.46E-01 2.30E-01 4.34E-01 6.60E-01 7.78E-01 9.88E-01

7.39E+01 6.04E-04 1.17E+00 2.24E-01 2.10E-01 4.01E-01 6.00E-01 7.03E-01 8.86E-01

7.82E+01 5.47E-04 1.02E+00 2.03E-01 1.91E-01 3.57E-01 5.43E-01 6.32E-01 7.90E-01

8.28E+01 4.93E-04 8.75E-01 1.83E-01 1.72E-01 3.20E-01 4.89E-01 5.65E-01 6.99E-01

8.76E+01 4.43E-04 7.47E-01 1.64E-01 1.55E-01 2.86E-01 4.37E-01 4.96E-01 6.15E-01

9.27E+01 3.94E-04 6.32E-01 1.46E-01 1.38E-01 2.51E-01 3.89E-01 4.30E-01 5.34E-01

9.81E+01 3.49E-04 5.30E-01 1.29E-01 1.23E-01 2.23E-01 3.43E-01 3.69E-01 4.64E-01

1.00E+02 3.35E-04 4.98E-01 1.23E-01 1.17E-01 2.13E-01 3.29E-01 3.50E-01 4.41E-01

1.04E+02 3.08E-04 4.39E-01 1.13E-01 1.07E-01 1.95E-01 3.00E-01 3.16E-01 3.98E-01

1.10E+02 2.69E-04 3.72E-01 9.83E-02 9.33E-02 1.69E-01 2.61E-01 2.70E-01 3.39E-01

1.16E+02 2.32E-04 3.14E-01 8.49E-02 8.07E-02 1.45E-01 2.25E-01 2.31E-01 2.85E-01

1.23E+02 1.98E-04 2.62E-01 7.29E-02 6.92E-02 1.24E-01 1.92E-01 1.96E-01 2.38E-01

1.30E+02 1.68E-04 2.16E-01 6.19E-02 5.91E-02 1.06E-01 1.63E-01 1.66E-01 1.97E-01

1.38E+02 1.41E-04 1.77E-01 5.21E-02 5.01E-02 8.90E-02 1.37E-01 1.39E-01 1.62E-01

1.46E+02 1.17E-04 1.46E-01 4.35E-02 4.20E-02 7.32E-02 1.13E-01 1.15E-01 1.33E-01

1.54E+02 9.63E-05 1.18E-01 3.59E-02 3.47E-02 5.92E-02 9.32E-02 9.43E-02 1.09E-01

1.63E+02 7.83E-05 9.51E-02 2.94E-02 2.84E-02 4.80E-02 7.57E-02 7.63E-02 8.76E-02

1.73E+02 0.00E+00 7.54E-02 2.38E-02 2.30E-02 3.94E-02 6.08E-02 6.14E-02 6.87E-02

1.83E+02 0.00E+00 5.89E-02 1.93E-02 1.84E-02 3.30E-02 4.81E-02 4.84E-02 5.42E-02

1.94E+02 0.00E+00 4.54E-02 1.55E-02 1.45E-02 2.94E-02 3.77E-02 3.84E-02 4.21E-02

2.05E+02 0.00E+00 3.45E-02 1.23E-02 1.12E-02 2.66E-02 2.91E-02 2.95E-02 3.23E-02

2.17E+02 0.00E+00 2.57E-02 9.57E-03 8.58E-03 2.18E-02 2.21E-02 2.24E-02 2.42E-02

2.29E+02 0.00E+00 2.09E-02 7.30E-03 6.42E-03 1.64E-02 1.65E-02 1.69E-02 1.79E-02

2.43E+02 0.00E+00 1.49E-02 5.49E-03 4.71E-03 1.21E-02 1.22E-02 1.23E-02 1.28E-02

2.57E+02 0.00E+00 1.03E-02 4.05E-03 3.42E-03 8.71E-03 8.77E-03 8.91E-03 9.22E-03

2.72E+02 0.00E+00 7.02E-03 2.93E-03 2.43E-03 6.16E-03 6.18E-03 6.26E-03 6.41E-03

2.88E+02 0.00E+00 4.67E-03 2.07E-03 1.70E-03 4.27E-03 4.29E-03 4.34E-03 4.39E-03

3.00E+02 0.00E+00 3.43E-03 1.58E-03 1.28E-03 3.22E-03 3.23E-03 3.25E-03 3.29E-03

3.05E+02 0.00E+00 3.08E-03 1.43E-03 1.16E-03 2.90E-03 2.91E-03 2.93E-03 2.96E-03

3.22E+02 0.00E+00 2.03E-03 9.69E-04 7.77E-04 1.92E-03 1.93E-03 1.93E-03 1.95E-03

3.41E+02 0.00E+00 1.30E-03 6.40E-04 5.09E-04 1.24E-03 1.25E-03 1.25E-03 1.26E-03

3.61E+02 0.00E+00 8.17E-04 4.12E-04 3.25E-04 7.86E-04 7.88E-04 7.89E-04 7.95E-04

3.82E+02 0.00E+00 5.02E-04 2.57E-04 2.01E-04 4.84E-04 4.85E-04 4.86E-04 4.88E-04

4.04E+02 0.00E+00 2.94E-04 1.56E-04 1.21E-04 2.89E-04 2.90E-04 2.90E-04 2.91E-04

4.28E+02 0.00E+00 1.69E-04 9.20E-05 7.13E-05 1.68E-04 1.68E-04 1.68E-04 1.69E-04

4.53E+02 0.00E+00 9.48E-05 5.24E-05 4.07E-05 9.42E-05 9.46E-05 9.47E-05 9.47E-05

4.79E+02 0.00E+00 5.15E-05 2.89E-05 2.26E-05 5.12E-05 5.14E-05 5.15E-05 5.15E-05

5.07E+02 0.00E+00 2.70E-05 1.54E-05 1.20E-05 2.69E-05 2.70E-05 2.70E-05 2.70E-05

5.36E+02 0.00E+00 1.37E-05 7.87E-06 6.29E-06 1.36E-05 1.36E-05 1.36E-05 1.37E-05

5.68E+02 0.00E+00 6.64E-06 3.87E-06 3.21E-06 6.58E-06 6.61E-06 6.63E-06 6.63E-06

0.01E+02 0.00E+00 3.09E-06 1.82E-06 1.61E-06 3.06E-06 3.08E-06 3.09E-06 3.09E-06

6.36E+02 0.00E+00 1.38E-06 8.18E-07 7.40E-07 1.36E-06 1.37E-06 1.37E-06 1.38E-06

6.73E+02 0.00E+00 5.85E-07 3.51E-07 3.32E-07 5.80E-07 5.83E-07 5.84E-07 5.85E-07

7.12E+02 0.00E+00 2.37E-07 1.43E-07 1.39E-07 2.34E-07 2.36E-07 2.36E-07 2.36E-07

7.53E+02 0.00E+00 9.07E-08 5.52E-08 5.80E-08 8.97E-08 9.03E-08 9.05E-08 9.07E-08

7.97E+02 0.00E+00 3.29E-08 2.01E-08 2.20E-08 3.25E-08 3.27E-08 3.28E-08 3.29E-08

8.44E+02 0.00E+00 1.12E-08 6.90E-09 7.53E-09 1.11E-08 1.12E-08 1.12E-08 1.12E-08

93E+02 0.00E+00 3.61E-09 2.22E-09 2.54E-09 3.56E-09 3.59E-09 3.60E-09 3.61E-09

9.45E+02 0.00E+00 1.09E-09 6.65E-10 7.57E-10 1.07E-09 1.08E-09 1.08E-09 1.08E-09

1.00E+03 0.00E+00 3.04E-10 1.86E-10 2.12E-10 3.00E-10 3.02E-10 3.03E-10 3.04E-10

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-137.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	5.97E-04	2.44E+01	1.23E+00	1.06E+00	1.94E+00	2.80E+00	4.87E+00	7.90E+00
1.00E+00	5.83E-04	2.34E+01	1.20E+00	1.03E+00	1.90E+00	2.73E+00	4.74E+00	7.67E+00
1.06E+00	5.83E-04	2.33E+01	1.20E+00	1.03E+00	1.89E+00	2.72E+00	4.73E+00	7.66E+00
1.12E+00	5.82E-04	2.32E+01	1.20E+00	1.03E+00	1.89E+00	2.72E+00	4.72E+00	7.64E+00
1.19E+00	5.81E-04	2.32E+01	1.20E+00	1.03E+00	1.89E+00	2.72E+00	4.71E+00	7.63E+00
1.25E+00	5.80E-04	2.31E+01	1.20E+00	1.03E+00	1.88E+00	2.71E+00	4.70E+00	7.61E+00
1.33E+00	5.79E-04	2.30E+01	1.19E+00	1.03E+00	1.88E+00	2.71E+00	4.69E+00	7.59E+00
1.40E+00	5.78E-04	2.29E+01	1.19E+00	1.03E+00	1.88E+00	2.70E+00	4.68E+00	7.58E+00
1.49E+00	5.77E-04	2.29E+01	1.19E+00	1.02E+00	1.87E+00	2.70E+00	4.67E+00	7.56E+00
1.57E+00	5.76E-04	2.28E+01	1.19E+00	1.02E+00	1.87E+00	2.69E+00	4.66E+00	7.54E+00
1.66E+00	5.75E-04	2.27E+01	1.18E+00	1.02E+00	1.87E+00	2.68E+00	4.65E+00	7.52E+00
1.76E+00	5.73E-04	2.26E+01	1.18E+00	1.02E+00	1.86E+00	2.68E+00	4.64E+00	7.50E+00
1.86E+00	5.72E-04	2.25E+01	1.18E+00	1.02E+00	1.86E+00	2.67E+00	4.63E+00	7.47E+00
1.97E+00	5.71E-04	2.24E+01	1.18E+00	1.02E+00	1.85E+00	2.66E+00	4.61E+00	7.45E+00
2.09E+00	5.69E-04	2.23E+01	1.17E+00	1.01E+00	1.85E+00	2.66E+00	4.60E+00	7.42E+00
2.21E+00	5.68E-04	2.21E+01	1.17E+00	1.01E+00	1.84E+00	2.65E+00	4.58E+00	7.40E+00
2.24E+00	5.66E-04	2.20E+01	1.17E+00	1.01E+00	1.83E+00	2.64E+00	4.57E+00	7.37E+00
2.27E+00	5.64E-04	2.19E+01	1.16E+00	1.01E+00	1.83E+00	2.63E+00	4.55E+00	7.34E+00
2.26E+00	5.62E-04	2.17E+01	1.16E+00	1.00E+00	1.82E+00	2.62E+00	4.53E+00	7.31E+00
2.27E+00	5.60E-04	2.16E+01	1.15E+00	9.99E-01	1.82E+00	2.61E+00	4.51E+00	7.27E+00
2.29E+00	5.58E-04	2.14E+01	1.15E+00	9.95E-01	1.81E+00	2.60E+00	4.49E+00	7.24E+00
3.00E+00	5.57E-04	2.14E+01	1.15E+00	9.94E-01	1.81E+00	2.60E+00	4.48E+00	7.22E+00
3.10E+00	5.56E-04	2.13E+01	1.15E+00	9.92E-01	1.81E+00	2.59E+00	4.47E+00	7.20E+00
3.28E+00	5.54E-04	2.11E+01	1.14E+00	9.88E-01	1.80E+00	2.58E+00	4.45E+00	7.16E+00
3.48E+00	5.51E-04	2.09E+01	1.14E+00	9.83E-01	1.79E+00	2.57E+00	4.43E+00	7.12E+00
3.68E+00	5.49E-04	2.07E+01	1.13E+00	9.79E-01	1.78E+00	2.55E+00	4.40E+00	7.08E+00
3.89E+00	5.46E-04	2.05E+01	1.13E+00	9.78E-01	1.77E+00	2.62E+00	4.38E+00	7.03E+00
4.12E+00	5.43E-04	2.03E+01	1.12E+00	9.73E-01	1.76E+00	2.60E+00	4.35E+00	6.99E+00
4.36E+00	5.40E-04	2.01E+01	1.12E+00	9.68E-01	1.75E+00	2.59E+00	4.32E+00	6.94E+00
4.61E+00	5.37E-04	1.99E+01	1.11E+00	9.62E-01	1.75E+00	2.57E+00	4.29E+00	6.88E+00
4.88E+00	5.34E-04	1.97E+01	1.10E+00	9.57E-01	1.74E+00	2.55E+00	4.26E+00	6.83E+00
5.17E+00	5.31E-04	1.94E+01	1.10E+00	9.51E-01	1.73E+00	2.54E+00	4.23E+00	6.77E+00
5.47E+00	5.27E-04	1.91E+01	1.09E+00	9.44E-01	1.72E+00	2.52E+00	4.19E+00	6.71E+00
5.78E+00	5.23E-04	1.89E+01	1.09E+00	9.38E-01	1.70E+00	2.59E+00	4.16E+00	6.64E+00
6.12E+00	5.19E-04	1.86E+01	1.08E+00	9.31E-01	1.72E+00	2.57E+00	4.12E+00	6.58E+00
6.48E+00	5.15E-04	1.83E+01	1.07E+00	9.25E-01	1.71E+00	2.55E+00	4.08E+00	6.51E+00
6.86E+00	5.11E-04	1.80E+01	1.06E+00	9.18E-01	1.69E+00	2.54E+00	4.04E+00	6.43E+00
7.26E+00	5.06E-04	1.77E+01	1.06E+00	9.10E-01	1.68E+00	2.51E+00	4.01E+00	6.36E+00
7.68E+00	5.01E-04	1.74E+01	1.05E+00	9.02E-01	1.67E+00	2.48E+00	3.96E+00	6.28E+00
8.13E+00	4.96E-04	1.70E+01	1.04E+00	8.93E-01	1.65E+00	2.45E+00	3.92E+00	6.19E+00
8.60E+00	4.91E-04	1.67E+01	1.03E+00	8.84E-01	1.63E+00	2.51E+00	3.87E+00	6.11E+00
9.10E+00	4.85E-04	1.63E+01	1.01E+00	8.74E-01	1.62E+00	2.48E+00	3.82E+00	6.02E+00
9.63E+00	4.79E-04	1.59E+01	1.00E+00	8.64E-01	1.60E+00	2.45E+00	3.77E+00	5.92E+00
1.00E+01	4.75E-04	1.57E+01	9.94E-01	8.57E-01	1.58E+00	2.45E+00	3.73E+00	5.86E+00
1.02E+01	4.73E-04	1.55E+01	9.90E-01	8.54E-01	1.58E+00	2.54E+00	3.71E+00	5.82E+00
1.08E+01	4.67E-04	1.51E+01	9.77E-01	8.43E-01	1.57E+00	2.52E+00	3.66E+00	5.72E+00
1.14E+01	4.60E-04	1.47E+01	9.64E-01	8.31E-01	1.55E+00	2.48E+00	3.60E+00	5.61E+00
1.21E+01	4.54E-04	1.43E+01	9.50E-01	8.19E-01	1.54E+00	2.48E+00	3.54E+00	5.50E+00
1.28E+01	4.46E-04	1.38E+01	9.35E-01	8.07E-01	1.52E+00	2.43E+00	3.47E+00	5.39E+00
1.35E+01	4.39E-04	1.34E+01	9.19E-01	7.94E-01	1.49E+00	2.40E+00	3.41E+00	5.27E+00
1.43E+01	4.31E-04	1.29E+01	9.03E-01	7.81E-01	1.46E+00	2.37E+00	3.34E+00	5.15E+00
1.51E+01	4.23E-04	1.24E+01	8.86E-01	7.67E-01	1.43E+00	2.34E+00	3.27E+00	5.02E+00
1.60E+01	4.15E-04	1.20E+01	8.68E-01	7.52E-01	1.41E+00	2.29E+00	3.19E+00	4.89E+00
1.70E+01	4.06E-04	1.15E+01	8.49E-01	7.37E-01	1.40E+00	2.24E+00	3.12E+00	4.75E+00
1.80E+01	3.97E-04	1.10E+01	8.30E-01	7.21E-01	1.41E+00	2.19E+00	3.04E+00	4.61E+00
1.90E+01	3.88E-04	1.05E+01	8.11E-01	7.05E-01	1.38E+00	2.14E+00	2.96E+00	4.47E+00

2.01E+01 3.79E-04 9.99E+00 7.91E-01 6.88E-01 1.34E+00 2.09E+00 2.87E+00 4.33E+00

2.13E+01 3.69E-04 9.48E+00 7.70E-01 6.70E-01 1.31E+00 2.04E+00 2.79E+00 4.18E+00

2.25E+01 3.59E-04 8.97E+00 7.49E-01 6.53E-01 1.27E+00 2.00E+00 2.70E+00 4.02E+00

2.38E+01 3.48E-04 8.46E+00 7.27E-01 6.34E-01 1.26E+00 1.93E+00 2.61E+00 3.87E+00

2.52E+01 3.38E-04 7.96E+00 7.04E-01 6.15E-01 1.22E+00 1.86E+00 2.52E+00 3.71E+00

2.67E+01 3.27E-04 7.56E+00 6.81E-01 5.95E-01 1.20E+00 1.79E+00 2.42E+00 3.55E+00

2.82E+01 3.16E-04 7.16E+00 6.56E-01 5.74E-01 1.15E+00 1.74E+00 2.33E+00 3.39E+00

2.99E+01 3.05E-04 6.77E+00 6.31E-01 5.54E-01 1.11E+00 1.67E+00 2.23E+00 3.23E+00

3.00E+01 3.04E-04 6.74E+00 6.29E-01 5.52E-01 1.11E+00 1.67E+00 2.22E+00 3.22E+00

3.16E+01 2.94E-04 6.37E+00 6.06E-01 5.32E-01 1.06E+00 1.60E+00 2.13E+00 3.06E+00

3.35E+01 2.82E-04 5.97E+00 5.80E-01 5.10E-01 1.02E+00 1.53E+00 2.03E+00 2.90E+00

3.54E+01 2.70E-04 5.58E+00 5.55E-01 4.89E-01 9.72E-01 1.46E+00 1.93E+00 2.73E+00

3.75E+01 2.59E-04 5.19E+00 5.28E-01 4.67E-01 9.49E-01 1.40E+00 1.82E+00 2.57E+00

3.97E+01 2.47E-04 4.81E+00 5.02E-01 4.45E-01 9.00E-01 1.33E+00 1.71E+00 2.41E+00

4.20E+01 2.35E-04 4.44E+00 4.76E-01 4.22E-01 8.61E-01 1.27E+00 1.60E+00 2.25E+00

4.44E+01 2.24E-04 4.08E+00 4.49E-01 3.99E-01 8.13E-01 1.20E+00 1.50E+00 2.09E+00

4.70E+01 2.12E-04 3.72E+00 4.23E-01 3.77E-01 7.63E-01 1.13E+00 1.40E+00 1.93E+00

4.97E+01 2.01E-04 3.39E+00 3.97E-01 3.54E-01 7.23E-01 1.06E+00 1.30E+00 1.78E+00

5.26E+01 1.90E-04 3.06E+00 3.71E-01 3.31E-01 6.78E-01 9.92E-01 1.19E+00 1.63E+00

5.57E+01 1.79E-04 2.75E+00 3.45E-01 3.09E-01 6.26E-01 9.18E-01 1.10E+00 1.49E+00

5.90E+01 6.52E-04 2.46E+00 3.20E-01 2.88E-01 5.88E-01 8.51E-01 1.02E+00 1.35E+00

6.24E+01 6.02E-04 2.18E+00 2.95E-01 2.67E-01 5.45E-01 7.86E-01 9.29E-01 1.22E+00

60E+01 5.54E-04 1.92E+00 2.71E-01 2.47E-01 4.88E-01 7.22E-01 8.50E-01 1.09E+00

99E+01 5.07E-04 1.68E+00 2.48E-01 2.26E-01 4.47E-01 6.61E-01 7.69E-01 9.74E-01

7.39E+01 4.62E-04 1.46E+00 2.26E-01 2.07E-01 4.13E-01 6.01E-01 6.99E-01 8.68E-01

7.82E+01 4.18E-04 1.25E+00 2.04E-01 1.87E-01 3.71E-01 5.44E-01 6.21E-01 7.57E-01

8.28E+01 0.00E+00 1.07E+00 1.83E-01 1.69E-01 3.34E-01 4.90E-01 5.53E-01 6.73E-01

8.76E+01 0.00E+00 9.03E-01 1.64E-01 1.52E-01 2.99E-01 4.38E-01 4.91E-01 5.88E-01

9.27E+01 0.00E+00 7.56E-01 1.45E-01 1.36E-01 2.62E-01 3.89E-01 4.22E-01 5.09E-01

9.81E+01 0.00E+00 6.26E-01 1.28E-01 1.20E-01 2.28E-01 3.43E-01 3.69E-01 4.37E-01

1.00E+02 0.00E+00 5.87E-01 1.23E-01 1.16E-01 2.17E-01 3.29E-01 3.63E-01 4.14E-01

1.04E+02 0.00E+00 5.13E-01 1.13E-01 1.06E-01 2.02E-01 3.00E-01 3.30E-01 3.72E-01

1.10E+02 0.00E+00 4.16E-01 9.80E-02 9.26E-02 1.67E-01 2.60E-01 2.85E-01 3.13E-01

1.16E+02 0.00E+00 3.32E-01 8.47E-02 8.03E-02 1.44E-01 2.25E-01 2.40E-01 2.65E-01

1.23E+02 0.00E+00 2.62E-01 7.25E-02 6.90E-02 1.22E-01 1.92E-01 2.02E-01 2.25E-01

1.30E+02 0.00E+00 2.04E-01 6.16E-02 5.88E-02 1.03E-01 1.61E-01 1.70E-01 1.89E-01

1.38E+02 0.00E+00 1.65E-01 5.17E-02 4.97E-02 8.45E-02 1.34E-01 1.41E-01 1.57E-01

1.46E+02 0.00E+00 1.35E-01 4.31E-02 4.15E-02 6.95E-02 1.13E-01 1.16E-01 1.26E-01

1.54E+02 0.00E+00 1.10E-01 3.56E-02 3.43E-02 5.84E-02 8.87E-02 9.43E-02 1.03E-01

1.63E+02 0.00E+00 8.88E-02 2.92E-02 2.81E-02 4.74E-02 6.86E-02 7.65E-02 8.26E-02

1.73E+02 0.00E+00 7.06E-02 2.37E-02 2.29E-02 3.89E-02 5.25E-02 6.15E-02 6.56E-02

1.83E+02 0.00E+00 5.54E-02 1.92E-02 1.83E-02 3.25E-02 4.60E-02 4.86E-02 5.13E-02

1.94E+02 0.00E+00 4.29E-02 1.55E-02 1.44E-02 2.78E-02 3.77E-02 3.83E-02 3.96E-02

2.05E+02 0.00E+00 3.27E-02 1.23E-02 1.12E-02 2.48E-02 2.91E-02 2.95E-02 3.05E-02

2.17E+02 0.00E+00 2.45E-02 9.55E-03 8.61E-03 2.14E-02 2.21E-02 2.24E-02 2.34E-02

2.29E+02 0.00E+00 1.81E-02 7.32E-03 6.44E-03 1.64E-02 1.65E-02 1.67E-02 1.76E-02

2.43E+02 0.00E+00 1.31E-02 5.51E-03 4.78E-03 1.21E-02 1.21E-02 1.22E-02 1.26E-02

2.57E+02 0.00E+00 9.46E-03 4.06E-03 3.46E-03 8.70E-03 8.73E-03 8.82E-03 9.33E-03

2.72E+02 0.00E+00 6.79E-03 2.94E-03 2.47E-03 6.16E-03 6.18E-03 6.22E-03 6.55E-03

2.88E+02 0.00E+00 4.61E-03 2.08E-03 1.73E-03 4.27E-03 4.28E-03 4.32E-03 4.50E-03

3.00E+02 0.00E+00 3.43E-03 1.59E-03 1.31E-03 3.22E-03 3.23E-03 3.25E-03 3.35E-03

3.05E+02 0.00E+00 3.08E-03 1.44E-03 1.18E-03 2.90E-03 2.90E-03 2.93E-03 2.99E-03

3.22E+02 0.00E+00 2.03E-03 9.77E-04 7.88E-04 1.92E-03 1.93E-03 1.94E-03 1.98E-03

3.41E+02 0.00E+00 1.31E-03 6.43E-04 5.15E-04 1.25E-03 1.25E-03 1.26E-03 1.28E-03

3.61E+02 0.00E+00 8.21E-04 4.12E-04 3.26E-04 7.87E-04 7.89E-04 7.92E-04 8.00E-04

3.82E+02 0.00E+00 5.01E-04 2.57E-04 2.02E-04 4.83E-04 4.85E-04 4.86E-04 4.88E-04

4.04E+02 0.00E+00 2.97E-04 1.57E-04 1.21E-04 2.89E-04 2.90E-04 2.90E-04 2.92E-04

4.28E+02 0.00E+00 1.71E-04 9.20E-05 7.05E-05 1.68E-04 1.68E-04 1.68E-04 1.69E-04

4.53E+02 0.00E+00 9.54E-05 5.24E-05 4.04E-05 9.41E-05 9.46E-05 9.47E-05 9.48E-05

4.79E+02 0.00E+00 5.16E-05 2.88E-05 2.25E-05 5.11E-05 5.14E-05 5.15E-05 5.15E-05

5.07E+02 0.00E+00 2.70E-05 1.53E-05 1.21E-05 2.68E-05 2.70E-05 2.70E-05 2.70E-05

5.36E+02 0.00E+00 1.37E-05 7.82E-06 6.41E-06 1.35E-05 1.36E-05 1.36E-05 1.37E-05

5.68E+02 0.00E+00 6.64E-06 3.83E-06 3.18E-06 6.58E-06 6.62E-06 6.63E-06 6.63E-06

0.01E+02 0.00E+00 3.09E-06 1.80E-06 1.55E-06 3.06E-06 3.08E-06 3.09E-06 3.09E-06

6.36E+02 0.00E+00 1.38E-06 8.10E-07 7.16E-07 1.36E-06 1.37E-06 1.37E-06 1.38E-06

6.73E+02 0.00E+00 5.85E-07 3.46E-07 3.11E-07 5.79E-07 5.83E-07 5.84E-07 5.85E-07

7.12E+02 0.00E+00 2.37E-07 1.41E-07 1.40E-07 2.34E-07 2.36E-07 2.36E-07 2.36E-07

7.53E+02 0.00E+00 9.07E-08 5.42E-08 5.62E-08 8.96E-08 9.03E-08 9.06E-08 9.07E-08

7.97E+02 0.00E+00 3.29E-08 1.98E-08 2.09E-08 3.25E-08 3.28E-08 3.28E-08 3.29E-08

8.44E+02 0.00E+00 1.13E-08 6.77E-09 7.36E-09 1.11E-08 1.12E-08 1.12E-08 1.12E-08

93E+02 0.00E+00 3.61E-09 2.17E-09 2.42E-09 3.56E-09 3.59E-09 3.61E-09 3.61E-09

9.45E+02 0.00E+00 1.09E-09 6.52E-10 7.25E-10 1.07E-09 1.08E-09 1.08E-09 1.09E-09

1.00E+03 0.00E+00 3.05E-10 1.82E-10 2.05E-10 3.00E-10 3.03E-10 3.04E-10 3.04E-10

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-137.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	1.258E+00
2	0.000E+00	1.193E+00
3	0.000E+00	1.232E+00

Title : RESRAD Default Parameters
 Input File : FCS BFM INSITU UA CS-137.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	14	-0.02	14	-0.02	6	0.07	6	0.03
Contaminated zone b parameter	10	0.04	10	0.03	12	0.02	12	0.01
Evapotranspiration coefficient	6	-0.05	6	-0.05	14	0.02	14	0.01
Wind Speed	18	-0.01	18	-0.01	8	0.03	8	0.02
Runoff coefficient	13	-0.02	13	-0.02	4	-0.08	4	-0.04
b Parameter of Unsaturated zone 1	15	-0.02	15	-0.02	11	-0.03	11	-0.01
Mass loading for inhalation	1	0.14	1	0.14	15	0.01	15	0.01
Indoor dust filtration factor	17	-0.01	17	-0.01	9	-0.03	9	-0.02
Depth of soil mixing layer	12	-0.03	12	-0.03	10	0.03	10	0.02
Depth of roots	2	0.14	3	0.14	1	0.82	1	0.69
Wet weight crop yield of fruit, grain and non-leafy vegetables	9	-0.04	9	-0.04	7	-0.05	7	-0.03
Weathering removal constant of all vegetation	8	-0.04	8	-0.04	5	-0.08	5	-0.04
Wet foliar interception fraction of leafy vegetables	5	-0.06	5	-0.05	13	-0.02	13	-0.01
Humidity in air	7	-0.04	7	-0.04	18	0.00	18	0.00
Kd of Cs-137 in Contaminated Zone	4	-0.07	4	-0.07	2	-0.75	2	-0.54
Kd of Cs-137 in Unsaturated Zone 1	11	-0.03	11	-0.03	16	0.01	16	0.01
Kd of Cs-137 in Saturated Zone	16	-0.02	16	-0.02	17	0.01	17	0.00
Cover erosion rate	3	0.14	2	0.14	3	0.20	3	0.10
R-SQUARE		0.07		0.07		0.77		0.77

-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-137.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	9	-0.03	9	-0.03	12	0.02	12	0.01
Contaminated zone b parameter	15	-0.01	15	-0.01	11	-0.03	11	-0.01
Evapotranspiration coefficient	16	0.01	16	0.01	9	-0.04	9	-0.02
Wind Speed	17	-0.01	17	-0.01	10	-0.03	10	-0.01
Runoff coefficient	4	0.05	4	0.04	4	0.10	4	0.05
b Parameter of Unsaturated zone 1	13	0.02	13	0.02	14	0.01	14	0.01
Mass loading for inhalation	7	-0.04	7	-0.03	15	-0.01	15	-0.01
Indoor dust filtration factor	12	-0.02	12	-0.02	16	0.01	16	0.00
Depth of soil mixing layer	8	0.04	8	0.03	18	0.00	18	0.00
Depth of roots	1	0.32	1	0.31	1	0.81	1	0.67
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.00	18	0.00	7	-0.05	7	-0.02
Weathering removal constant of all vegetation	14	0.02	14	0.02	8	-0.04	8	-0.02
Wet foliar interception fraction of leafy vegetables	10	0.03	10	0.03	5	-0.06	5	-0.03
Humidity in air	5	0.04	5	0.04	6	0.05	6	0.02
Kd of Cs-137 in Contaminated Zone	3	-0.13	3	-0.12	2	-0.75	2	-0.55
Kd of Cs-137 in Unsaturated Zone 1	11	-0.03	11	-0.02	13	0.01	13	0.01
Kd of Cs-137 in Saturated Zone	6	0.04	6	0.03	17	0.00	17	0.00
Cover erosion rate	2	0.20	2	0.19	3	0.16	3	0.08

R-SQUARE 0.15 0.15 0.77 0.77

-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-137.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	7	0.06	7	0.06	6	0.07	6	0.04
Contaminated zone b parameter	9	0.03	9	0.03	15	-0.01	15	0.00
Evapotranspiration coefficient	12	0.01	12	0.01	14	-0.02	14	-0.01
Wind Speed	18	0.00	18	0.00	18	0.00	18	0.00
Runoff coefficient	10	0.02	11	0.02	7	-0.07	7	-0.04
b Parameter of Unsaturated zone 1	17	0.00	17	0.00	9	-0.06	9	-0.03
Mass loading for inhalation	15	0.01	15	0.01	10	-0.05	10	-0.03
Indoor dust filtration factor	6	0.07	6	0.06	13	0.02	13	0.01
Depth of soil mixing layer	8	-0.03	8	-0.03	8	-0.07	8	-0.03
Depth of roots	1	0.26	1	0.26	1	0.81	1	0.68
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.01	14	-0.01	5	-0.10	5	-0.05
Weathering removal constant of all vegetation	4	-0.08	4	-0.07	4	-0.11	4	-0.05
Wet foliar interception fraction of leafy vegetables	13	0.01	13	0.01	16	0.01	16	0.00
Humidity in air	5	0.07	5	0.07	11	0.04	11	0.02
Kd of Cs-137 in Contaminated Zone	3	-0.09	3	-0.09	2	-0.75	2	-0.55
Kd of Cs-137 in Unsaturated Zone 1	11	0.02	10	0.02	17	0.00	17	0.00
Kd of Cs-137 in Saturated Zone	16	0.00	16	0.00	12	0.02	12	0.01
Cover erosion rate	2	0.16	2	0.15	3	0.16	3	0.08
R-SQUARE		0.12		0.12		0.77		0.77

-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.