

Probabilistic results summary : RESRAD Default Parameters

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Table of Contents

Part VI: Uncertainty Analysis

RESRAD Uncertainty Analysis Results

Probabilistic Input	2
Total Dose	3
Total Risk	4
Dose vs Pathway: Ground External	5
Dose vs Pathway: Inhalation (w/o Radon)	6
Dose vs Pathway: Radon (Water Ind.)	7
Dose vs Pathway: Plant (Water Ind.)	8
Dose vs Pathway: Meat (Water Ind.)	9
Dose vs Pathway: Milk (Water Ind.)	10
Dose vs Pathway: Soil Ingestion	11
Dose vs Pathway: Water Ingestion	12
Dose vs Pathway: Fish Ingestion	13
Dose vs Pathway: Radon (Water Dep.)	14
Dose vs Pathway: Plant (Water Dep.)	15
Dose vs Pathway: Meat (Water Dep.)	16
Dose vs Pathway: Milk (Water Dep.)	17
Cumulative Probability Summary.....	18
Summary of dose at graphical times, reptition 1.....	19
Summary of dose at graphical times, reptition 2.....	20
Summary of dose at graphical times, reptition 3.....	21
Peak of the mean dose at graphical times.....	22
Correlation and Regression coefficients (if any).....	23

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
Eu-155										
Min	0.00E+00	4.80E-07	4.80E-07	4.17E-07	3.16E-07	1.19E-07	7.25E-09	0.00E+00	0.00E+00	0.00E+00
Max	2.60E+01	2.23E+00	2.23E+00	1.64E+00	8.91E-01	1.59E-01	3.65E-03	9.52E-08	5.00E-20	0.00E+00
Avg	2.20E-01	4.12E-02	4.09E-02	3.32E-02	2.22E-02	6.19E-03	2.47E-04	8.67E-09	1.25E-20	0.00E+00
Std	1.77E+00	1.76E-01	1.76E-01	1.35E-01	8.23E-02	1.78E-02	5.25E-04	1.63E-08	1.88E-20	0.00E+00
ALL										
Min	0.00E+00	4.80E-07	4.80E-07	4.17E-07	3.16E-07	1.19E-07	7.25E-09	0.00E+00	0.00E+00	0.00E+00
Max	2.60E+01	2.23E+00	2.23E+00	1.64E+00	8.91E-01	1.59E-01	3.65E-03	9.52E-08	5.00E-20	0.00E+00
Avg	2.20E-01	4.12E-02	4.09E-02	3.32E-02	2.22E-02	6.19E-03	2.47E-04	8.67E-09	1.25E-20	0.00E+00
Std	1.77E+00	1.76E-01	1.76E-01	1.35E-01	8.23E-02	1.78E-02	5.25E-04	1.63E-08	1.88E-20	0.00E+00

ALL is total dose summed for all nuclides.

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Probabilistic Risk Summary

Nuclide	RISK(j,t)								
	(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155									
Min		2.09E-11	1.82E-11	1.37E-11	5.17E-12	3.16E-13	0.00E+00	0.00E+00	0.00E+00
Max		1.02E-04	7.49E-05	4.06E-05	6.83E-06	1.53E-07	3.14E-12	1.26E-24	0.00E+00
Avg		1.78E-06	1.45E-06	9.64E-07	2.62E-07	9.96E-09	3.20E-13	3.25E-25	0.00E+00
Std		7.83E-06	6.02E-06	3.64E-06	7.73E-07	2.14E-08	5.23E-13	0.00E+00	0.00E+00
ALL									
Min		2.09E-11	1.82E-11	1.37E-11	5.17E-12	3.16E-13	0.00E+00	0.00E+00	0.00E+00
Max		1.02E-04	7.49E-05	4.06E-05	6.83E-06	1.53E-07	3.14E-12	1.26E-24	0.00E+00
Avg		1.78E-06	1.45E-06	9.64E-07	2.62E-07	9.96E-09	3.20E-13	3.25E-25	0.00E+00
Std		7.83E-06	6.02E-06	3.64E-06	7.73E-07	2.14E-08	5.23E-13	0.00E+00	0.00E+00

ALL is total risk summed for all nuclides.

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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
Eu-155								
Min	2.29E-13	1.62E-13	8.05E-14	6.99E-15	6.51E-18	0.00E+00	0.00E+00	0.00E+00
Max	1.05E-11	2.18E-09	9.34E-05	1.97E-02	1.20E-03	6.78E-08	4.93E-20	0.00E+00
Avg	3.05E-13	4.52E-12	1.06E-07	2.16E-04	3.00E-05	2.51E-09	1.01E-20	0.00E+00
Std	4.68E-13	7.41E-11	2.67E-06	1.99E-03	1.85E-04	1.25E-08	1.87E-20	0.00E+00
ALL								
Min	2.29E-13	1.62E-13	8.05E-14	6.99E-15	6.51E-18	0.00E+00	0.00E+00	0.00E+00
Max	1.05E-11	2.18E-09	9.34E-05	1.97E-02	1.20E-03	6.78E-08	4.93E-20	0.00E+00
Avg	3.05E-13	4.52E-12	1.06E-07	2.16E-04	3.00E-05	2.51E-09	1.01E-20	0.00E+00
Std	4.68E-13	7.41E-11	2.67E-06	1.99E-03	1.85E-04	1.25E-08	1.87E-20	0.00E+00

ALL is total pathway dose summed for all nuclides.

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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
Eu-155								
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	1.50E-07	2.75E-07	1.76E-08	9.71E-13	1.26E-24	0.00E+00
Avg	0.00E+00	0.00E+00	1.39E-10	1.37E-09	1.75E-10	1.47E-14	6.82E-26	0.00E+00
Std	0.00E+00	0.00E+00	4.04E-09	1.30E-08	1.17E-09	7.94E-14	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	1.50E-07	2.75E-07	1.76E-08	9.71E-13	1.26E-24	0.00E+00
Avg	0.00E+00	0.00E+00	1.39E-10	1.37E-09	1.75E-10	1.47E-14	6.82E-26	0.00E+00
Std	0.00E+00	0.00E+00	4.04E-09	1.30E-08	1.17E-09	7.94E-14	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,j,t), mrem/yr							
	(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
Eu-155								
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
Eu-155								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.27E-04	5.71E-04	4.72E-04	1.98E-04	1.21E-05	6.84E-10	4.98E-22	0.00E+00
Avg	3.75E-04	3.26E-04	2.47E-04	9.39E-05	5.80E-06	3.47E-10	2.99E-22	0.00E+00
Std	2.19E-04	1.90E-04	1.44E-04	5.50E-05	3.44E-06	2.01E-10	1.64E-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	6.27E-04	5.71E-04	4.72E-04	1.98E-04	1.21E-05	6.84E-10	4.98E-22	0.00E+00
Avg	3.75E-04	3.26E-04	2.47E-04	9.39E-05	5.80E-06	3.47E-10	2.99E-22	0.00E+00
Std	2.19E-04	1.90E-04	1.44E-04	5.50E-05	3.44E-06	2.01E-10	1.64E-22	0.00E+00

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File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA EU-155.RAD

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
Eu-155								
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	2.77E-05	2.52E-05	5.06E-05	6.28E-05	3.84E-06	2.17E-10	1.58E-22	0.00E+00
Avg	1.66E-05	1.45E-05	1.10E-05	4.84E-06	3.44E-07	2.26E-11	4.60E-23	0.00E+00
Std	9.74E-06	8.44E-06	6.52E-06	6.69E-06	5.76E-07	3.83E-11	5.76E-23	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.77E-05	2.52E-05	5.06E-05	6.28E-05	3.84E-06	2.17E-10	1.58E-22	0.00E+00
Avg	1.66E-05	1.45E-05	1.10E-05	4.84E-06	3.44E-07	2.26E-11	4.60E-23	0.00E+00
Std	9.74E-06	8.44E-06	6.52E-06	6.69E-06	5.76E-07	3.83E-11	5.76E-23	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
Eu-155								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.46E-06	5.87E-06	8.08E-06	7.44E-06	4.55E-07	2.57E-11	1.87E-23	0.00E+00
Avg	3.87E-06	3.36E-06	2.56E-06	1.04E-06	6.85E-08	4.30E-12	6.35E-24	0.00E+00
Std	2.26E-06	1.96E-06	1.49E-06	8.87E-07	7.03E-08	4.54E-12	6.41E-24	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.46E-06	5.87E-06	8.08E-06	7.44E-06	4.55E-07	2.57E-11	1.87E-23	0.00E+00
Avg	3.87E-06	3.36E-06	2.56E-06	1.04E-06	6.85E-08	4.30E-12	6.35E-24	0.00E+00
Std	2.26E-06	1.96E-06	1.49E-06	8.87E-07	7.03E-08	4.54E-12	6.41E-24	0.00E+00

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Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	3.14E-06	5.04E-06	3.08E-07	1.74E-11	1.26E-23	0.00E+00
Avg	0.00E+00	0.00E+00	4.65E-09	6.33E-08	8.04E-09	6.71E-13	3.05E-24	0.00E+00
Std	0.00E+00	0.00E+00	1.11E-07	5.38E-07	4.79E-08	3.22E-12	4.93E-24	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	3.14E-06	5.04E-06	3.08E-07	1.74E-11	1.26E-23	0.00E+00
Avg	0.00E+00	0.00E+00	4.65E-09	6.33E-08	8.04E-09	6.71E-13	3.05E-24	0.00E+00
Std	0.00E+00	0.00E+00	1.11E-07	5.38E-07	4.79E-08	3.22E-12	4.93E-24	0.00E+00

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Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155								
Min	6.92E-09	6.01E-09	4.55E-09	1.71E-09	1.05E-10	0.00E+00	0.00E+00	0.00E+00
Max	1.97E+00	1.45E+00	7.87E-01	1.44E-01	3.36E-03	5.21E-08	1.38E-20	0.00E+00
Avg	3.58E-02	2.90E-02	1.93E-02	5.17E-03	1.86E-04	5.11E-09	1.76E-21	0.00E+00
Std	1.56E-01	1.20E-01	7.27E-02	1.56E-02	4.39E-04	9.54E-09	2.78E-21	0.00E+00
ALL								
Min	6.92E-09	6.01E-09	4.55E-09	1.71E-09	1.05E-10	0.00E+00	0.00E+00	0.00E+00
Max	1.97E+00	1.45E+00	7.87E-01	1.44E-01	3.36E-03	5.21E-08	1.38E-20	0.00E+00
Avg	3.58E-02	2.90E-02	1.93E-02	5.17E-03	1.86E-04	5.11E-09	1.76E-21	0.00E+00
Std	1.56E-01	1.20E-01	7.27E-02	1.56E-02	4.39E-04	9.54E-09	2.78E-21	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
Eu-155								
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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File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA EU-155.RAD

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
Eu-155								
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 EU-155.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
Eu-155								
Min	1.15E-09	1.00E-09	7.57E-10	2.84E-10	1.74E-11	0.00E+00	0.00E+00	0.00E+00
Max	2.21E-01	1.80E-01	1.19E-01	2.84E-02	5.25E-04	1.09E-08	4.36E-21	0.00E+00
Avg	3.17E-03	2.59E-03	1.74E-03	4.74E-04	1.68E-05	4.53E-10	1.60E-22	0.00E+00
Std	1.47E-02	1.17E-02	7.43E-03	1.72E-03	4.58E-05	1.00E-09	3.21E-22	0.00E+00
ALL								
Min	1.15E-09	1.00E-09	7.57E-10	2.84E-10	1.74E-11	0.00E+00	0.00E+00	0.00E+00
Max	2.21E-01	1.80E-01	1.19E-01	2.84E-02	5.25E-04	1.09E-08	4.36E-21	0.00E+00
Avg	3.17E-03	2.59E-03	1.74E-03	4.74E-04	1.68E-05	4.53E-10	1.60E-22	0.00E+00
Std	1.47E-02	1.17E-02	7.43E-03	1.72E-03	4.58E-05	1.00E-09	3.21E-22	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 EU-155.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
Eu-155								
Min	2.72E-10	2.36E-10	1.79E-10	6.72E-11	4.11E-12	0.00E+00	0.00E+00	0.00E+00
Max	6.68E-02	4.93E-02	2.67E-02	6.21E-03	1.14E-04	2.19E-09	6.44E-22	0.00E+00
Avg	1.31E-03	1.06E-03	7.10E-04	1.90E-04	6.76E-06	1.84E-10	6.37E-23	0.00E+00
Std	5.65E-03	4.39E-03	2.70E-03	5.92E-04	1.61E-05	3.44E-10	1.02E-22	0.00E+00
ALL								
Min	2.72E-10	2.36E-10	1.79E-10	6.72E-11	4.11E-12	0.00E+00	0.00E+00	0.00E+00
Max	6.68E-02	4.93E-02	2.67E-02	6.21E-03	1.14E-04	2.19E-09	6.44E-22	0.00E+00
Avg	1.31E-03	1.06E-03	7.10E-04	1.90E-04	6.76E-06	1.84E-10	6.37E-23	0.00E+00
Std	5.65E-03	4.39E-03	2.70E-03	5.92E-04	1.61E-05	3.44E-10	1.02E-22	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 EU-155.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
Eu-155								
Min	4.49E-11	3.91E-11	2.96E-11	1.11E-11	6.79E-13	0.00E+00	0.00E+00	0.00E+00
Max	1.02E-02	7.52E-03	4.48E-03	1.06E-03	1.94E-05	3.89E-10	1.15E-22	0.00E+00
Avg	2.08E-04	1.69E-04	1.13E-04	3.05E-05	1.08E-06	2.92E-11	1.02E-23	0.00E+00
Std	8.98E-04	7.01E-04	4.35E-04	9.66E-05	2.60E-06	5.52E-11	1.65E-23	0.00E+00
ALL								
Min	4.49E-11	3.91E-11	2.96E-11	1.11E-11	6.79E-13	0.00E+00	0.00E+00	0.00E+00
Max	1.02E-02	7.52E-03	4.48E-03	1.06E-03	1.94E-05	3.89E-10	1.15E-22	0.00E+00
Avg	2.08E-04	1.69E-04	1.13E-04	3.05E-05	1.08E-06	2.92E-11	1.02E-23	0.00E+00
Std	8.98E-04	7.01E-04	4.35E-04	9.66E-05	2.60E-06	5.52E-11	1.65E-23	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 EU-155.RAD

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	2.68E-05	2.33E-05	1.76E-05	7.17E-06	5.18E-07	2.28E-11	1.06E-24	0.00E+00
0.050	1.00E-04	8.74E-05	6.66E-05	2.62E-05	1.62E-06	1.14E-10	3.15E-23	0.00E+00
0.075	2.18E-04	1.93E-04	1.46E-04	5.80E-05	3.91E-06	2.44E-10	1.65E-22	0.00E+00
0.100	3.03E-04	2.63E-04	2.03E-04	8.04E-05	5.28E-06	3.24E-10	2.67E-22	0.00E+00
0.125	3.74E-04	3.26E-04	2.49E-04	9.64E-05	6.39E-06	3.89E-10	3.47E-22	0.00E+00
0.150	4.63E-04	4.03E-04	3.09E-04	1.20E-04	7.62E-06	4.55E-10	3.85E-22	0.00E+00
0.175	5.32E-04	4.64E-04	3.53E-04	1.36E-04	8.56E-06	4.98E-10	4.10E-22	0.00E+00
0.200	5.71E-04	4.99E-04	3.79E-04	1.44E-04	8.99E-06	5.27E-10	4.35E-22	0.00E+00
0.225	6.03E-04	5.26E-04	3.98E-04	1.51E-04	9.44E-06	5.55E-10	4.56E-22	0.00E+00
0.250	6.26E-04	5.46E-04	4.14E-04	1.57E-04	9.81E-06	5.72E-10	4.88E-22	0.00E+00
0.275	6.47E-04	5.63E-04	4.27E-04	1.62E-04	1.01E-05	5.91E-10	5.34E-22	0.00E+00
0.300	6.58E-04	5.74E-04	4.36E-04	1.65E-04	1.03E-05	6.15E-10	5.82E-22	0.00E+00
0.325	6.77E-04	5.91E-04	4.49E-04	1.71E-04	1.07E-05	6.41E-10	6.33E-22	0.00E+00
0.350	7.08E-04	6.17E-04	4.70E-04	1.81E-04	1.14E-05	6.74E-10	7.49E-22	0.00E+00
0.375	7.59E-04	6.62E-04	5.06E-04	1.94E-04	1.22E-05	7.18E-10	8.39E-22	0.00E+00
0.400	8.32E-04	7.24E-04	5.51E-04	2.18E-04	1.37E-05	7.97E-10	9.60E-22	0.00E+00
0.425	9.42E-04	8.20E-04	6.22E-04	2.43E-04	1.52E-05	8.89E-10	1.20E-21	0.00E+00
0.450	1.05E-03	9.16E-04	6.93E-04	2.68E-04	1.69E-05	9.79E-10	1.43E-21	0.00E+00
0.475	1.21E-03	1.06E-03	7.99E-04	3.10E-04	1.97E-05	1.11E-09	1.71E-21	0.00E+00
0.500	1.34E-03	1.17E-03	8.84E-04	3.40E-04	2.14E-05	1.25E-09	1.96E-21	0.00E+00
0.525	1.55E-03	1.35E-03	1.02E-03	3.97E-04	2.49E-05	1.39E-09	2.46E-21	0.00E+00
0.550	1.84E-03	1.60E-03	1.21E-03	4.72E-04	3.00E-05	1.67E-09	2.90E-21	0.00E+00
0.575	2.11E-03	1.84E-03	1.39E-03	5.44E-04	3.43E-05	1.91E-09	3.42E-21	0.00E+00
0.600	2.52E-03	2.19E-03	1.66E-03	6.58E-04	4.22E-05	2.30E-09	4.17E-21	0.00E+00
0.625	3.02E-03	2.63E-03	1.98E-03	7.86E-04	4.96E-05	2.72E-09	4.89E-21	0.00E+00
0.650	3.58E-03	3.11E-03	2.35E-03	9.71E-04	6.36E-05	3.35E-09	5.76E-21	0.00E+00
0.675	4.57E-03	3.98E-03	3.01E-03	1.18E-03	7.66E-05	4.02E-09	6.84E-21	0.00E+00
0.700	5.53E-03	4.81E-03	3.63E-03	1.45E-03	9.42E-05	4.88E-09	8.06E-21	0.00E+00
0.725	6.78E-03	5.90E-03	4.46E-03	1.81E-03	1.21E-04	6.03E-09	9.70E-21	0.00E+00
0.750	8.68E-03	7.54E-03	5.70E-03	2.29E-03	1.53E-04	7.50E-09	1.21E-20	0.00E+00
0.775	1.07E-02	9.31E-03	7.03E-03	3.01E-03	1.96E-04	9.33E-09	1.81E-20	0.00E+00
0.800	1.41E-02	1.22E-02	9.24E-03	3.91E-03	2.55E-04	1.16E-08	3.63E-20	0.00E+00
0.825	1.91E-02	1.66E-02	1.25E-02	5.30E-03	3.49E-04	1.46E-08	4.59E-20	0.00E+00
0.850	2.70E-02	2.34E-02	1.77E-02	7.26E-03	4.83E-04	1.94E-08	4.85E-20	0.00E+00
0.875	3.73E-02	3.23E-02	2.43E-02	1.04E-02	6.61E-04	2.43E-08	4.95E-20	0.00E+00
0.900	5.55E-02	4.81E-02	3.61E-02	1.67E-02	9.95E-04	2.84E-08	4.98E-20	0.00E+00
0.925	9.25E-02	7.96E-02	5.90E-02	2.16E-02	1.22E-03	3.55E-08	4.99E-20	0.00E+00
0.950	1.72E-01	1.48E-01	1.09E-01	3.78E-02	1.45E-03	4.82E-08	5.00E-20	0.00E+00
0.975	4.31E-01	3.57E-01	2.50E-01	7.06E-02	1.87E-03	6.88E-08	5.00E-20	0.00E+00
1.000	2.23E+00	1.64E+00	8.91E-01	1.59E-01	3.65E-03	9.52E-08	5.00E-20	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 EU-155.RAD

Summary of dose at graphical times, reptition 1

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.75E-06	1.86E+00	4.00E-02	1.36E-03	5.85E-02	1.73E-01	4.48E-01	1.05E+00
1.00E+00	1.52E-06	1.39E+00	3.25E-02	1.18E-03	5.07E-02	1.49E-01	3.74E-01	8.52E-01
1.06E+00	1.51E-06	1.37E+00	3.21E-02	1.17E-03	5.03E-02	1.47E-01	3.70E-01	8.42E-01
1.12E+00	1.50E-06	1.34E+00	3.17E-02	1.16E-03	4.99E-02	1.46E-01	3.66E-01	8.31E-01
1.19E+00	1.48E-06	1.32E+00	3.13E-02	1.15E-03	4.94E-02	1.44E-01	3.62E-01	8.20E-01
1.25E+00	1.47E-06	1.29E+00	3.09E-02	1.14E-03	4.89E-02	1.43E-01	3.57E-01	8.09E-01
1.33E+00	1.46E-06	1.26E+00	3.04E-02	1.13E-03	4.84E-02	1.41E-01	3.53E-01	7.97E-01
1.40E+00	1.44E-06	1.23E+00	2.99E-02	1.12E-03	4.79E-02	1.40E-01	3.48E-01	7.84E-01
1.49E+00	1.42E-06	1.21E+00	2.94E-02	1.10E-03	4.73E-02	1.38E-01	3.42E-01	7.71E-01
1.57E+00	1.41E-06	1.17E+00	2.89E-02	1.09E-03	4.67E-02	1.36E-01	3.37E-01	7.57E-01
1.66E+00	1.39E-06	1.14E+00	2.84E-02	1.08E-03	4.61E-02	1.34E-01	3.31E-01	7.43E-01
1.76E+00	1.37E-06	1.11E+00	2.78E-02	1.06E-03	4.55E-02	1.32E-01	3.25E-01	7.29E-01
1.86E+00	1.35E-06	1.08E+00	2.72E-02	1.05E-03	4.48E-02	1.30E-01	3.19E-01	7.13E-01
1.97E+00	1.33E-06	1.04E+00	2.67E-02	1.03E-03	4.41E-02	1.28E-01	3.12E-01	6.97E-01
2.09E+00	1.31E-06	1.01E+00	2.60E-02	1.01E-03	4.34E-02	1.26E-01	3.06E-01	6.75E-01
2.21E+00	1.29E-06	9.75E-01	2.54E-02	9.97E-04	4.27E-02	1.23E-01	2.99E-01	6.53E-01
2.24E+00	1.26E-06	9.39E-01	2.48E-02	9.80E-04	4.19E-02	1.21E-01	2.91E-01	6.30E-01
2.27E+00	1.24E-06	9.02E-01	2.41E-02	9.61E-04	4.11E-02	1.18E-01	2.84E-01	6.07E-01
2.26E+00	1.22E-06	8.65E-01	2.34E-02	9.42E-04	4.03E-02	1.16E-01	2.76E-01	5.84E-01
2.27E+00	1.19E-06	8.27E-01	2.27E-02	9.22E-04	3.94E-02	1.13E-01	2.69E-01	5.60E-01
2.29E+00	1.16E-06	7.89E-01	2.20E-02	9.02E-04	3.85E-02	1.10E-01	2.60E-01	5.35E-01
3.00E+00	1.15E-06	7.73E-01	2.17E-02	8.93E-04	3.81E-02	1.09E-01	2.57E-01	5.25E-01
3.31E+00	1.14E-06	7.50E-01	2.12E-02	8.81E-04	3.76E-02	1.07E-01	2.52E-01	5.11E-01
3.32E+00	1.11E-06	7.11E-01	2.05E-02	8.59E-04	3.66E-02	1.05E-01	2.44E-01	4.86E-01
3.48E+00	1.08E-06	6.73E-01	1.97E-02	8.36E-04	3.56E-02	1.01E-01	2.35E-01	4.60E-01
3.68E+00	1.05E-06	6.34E-01	1.90E-02	8.13E-04	3.46E-02	9.84E-02	2.26E-01	4.29E-01
3.89E+00	1.02E-06	5.95E-01	1.82E-02	7.89E-04	3.36E-02	9.52E-02	2.17E-01	3.98E-01
4.12E+00	9.86E-07	5.57E-01	1.74E-02	7.65E-04	3.25E-02	9.19E-02	2.08E-01	3.68E-01
4.36E+00	9.53E-07	5.19E-01	1.67E-02	7.44E-04	3.17E-02	8.86E-02	1.99E-01	3.38E-01
4.61E+00	9.20E-07	4.82E-01	1.59E-02	7.18E-04	3.05E-02	8.52E-02	1.90E-01	3.12E-01
4.88E+00	8.86E-07	4.45E-01	1.51E-02	6.95E-04	2.94E-02	8.17E-02	1.80E-01	2.91E-01
5.17E+00	8.51E-07	4.10E-01	1.43E-02	6.68E-04	2.82E-02	7.82E-02	1.71E-01	2.71E-01
5.47E+00	8.16E-07	3.75E-01	1.36E-02	6.41E-04	2.70E-02	7.47E-02	1.61E-01	2.52E-01
5.78E+00	7.81E-07	3.42E-01	1.28E-02	6.20E-04	2.73E-02	7.11E-02	1.52E-01	2.33E-01
6.12E+00	7.45E-07	3.12E-01	1.20E-02	5.92E-04	2.64E-02	6.75E-02	1.44E-01	2.14E-01
6.48E+00	7.09E-07	2.86E-01	1.13E-02	5.63E-04	2.50E-02	6.39E-02	1.35E-01	2.00E-01
6.86E+00	6.72E-07	2.60E-01	1.05E-02	5.34E-04	2.37E-02	6.03E-02	1.26E-01	1.82E-01
7.26E+00	6.36E-07	2.36E-01	9.79E-03	5.05E-04	2.24E-02	5.67E-02	1.17E-01	1.63E-01
7.68E+00	5.99E-07	2.17E-01	9.08E-03	4.76E-04	2.31E-02	5.31E-02	1.06E-01	1.49E-01
8.13E+00	5.63E-07	1.98E-01	8.39E-03	4.47E-04	2.18E-02	4.96E-02	9.57E-02	1.36E-01
8.60E+00	5.27E-07	1.79E-01	7.71E-03	4.19E-04	2.08E-02	4.61E-02	8.84E-02	1.23E-01
9.10E+00	4.91E-07	1.62E-01	7.05E-03	3.90E-04	1.93E-02	4.27E-02	8.12E-02	1.11E-01
9.63E+00	4.56E-07	1.45E-01	6.41E-03	3.68E-04	1.79E-02	3.94E-02	7.43E-02	9.98E-02
1.00E+01	4.33E-07	1.34E-01	6.02E-03	3.49E-04	1.70E-02	3.72E-02	6.98E-02	9.25E-02
1.02E+01	4.22E-07	1.29E-01	5.82E-03	3.40E-04	1.66E-02	3.61E-02	6.75E-02	8.89E-02
1.08E+01	3.88E-07	1.14E-01	5.26E-03	3.13E-04	1.52E-02	3.29E-02	6.04E-02	7.87E-02
1.14E+01	3.56E-07	1.01E-01	4.72E-03	2.87E-04	1.39E-02	2.98E-02	5.26E-02	6.72E-02
1.21E+01	3.24E-07	8.78E-02	4.21E-03	2.61E-04	1.31E-02	2.69E-02	4.57E-02	5.94E-02
1.28E+01	2.94E-07	7.59E-02	3.73E-03	2.37E-04	1.18E-02	2.42E-02	3.96E-02	5.22E-02
1.35E+01	2.65E-07	6.52E-02	3.30E-03	2.14E-04	1.07E-02	2.15E-02	3.37E-02	4.53E-02
1.43E+01	2.37E-07	5.54E-02	2.89E-03	1.95E-04	9.59E-03	1.91E-02	2.84E-02	3.91E-02
1.51E+01	2.11E-07	4.67E-02	2.51E-03	1.74E-04	8.42E-03	1.68E-02	2.36E-02	3.35E-02
1.60E+01	1.87E-07	3.94E-02	2.17E-03	1.54E-04	7.42E-03	1.45E-02	2.01E-02	2.70E-02
1.70E+01	1.64E-07	3.36E-02	1.87E-03	1.35E-04	6.54E-03	1.23E-02	1.70E-02	2.24E-02
1.80E+01	1.43E-07	2.84E-02	1.60E-03	1.18E-04	5.79E-03	9.62E-03	1.42E-02	1.90E-02
1.90E+01	1.23E-07	2.38E-02	1.34E-03	1.02E-04	4.97E-03	7.98E-03	1.18E-02	1.60E-02

2.01E+01 1.06E-07 1.97E-02 1.12E-03 8.70E-05 4.23E-03 6.62E-03 9.73E-03 1.33E-02

2.13E+01 8.96E-08 1.61E-02 9.30E-04 7.39E-05 3.52E-03 5.51E-03 7.80E-03 1.07E-02

2.25E+01 7.54E-08 1.31E-02 7.66E-04 6.21E-05 2.93E-03 4.57E-03 6.40E-03 8.50E-03

2.38E+01 6.27E-08 1.04E-02 6.23E-04 5.17E-05 2.44E-03 3.77E-03 5.17E-03 6.66E-03

2.52E+01 5.17E-08 8.24E-03 5.02E-04 4.26E-05 1.98E-03 2.99E-03 4.03E-03 5.14E-03

2.67E+01 4.21E-08 6.42E-03 4.01E-04 3.47E-05 1.61E-03 2.38E-03 3.10E-03 4.01E-03

2.82E+01 3.39E-08 4.93E-03 3.16E-04 2.79E-05 1.30E-03 1.87E-03 2.44E-03 3.08E-03

2.99E+01 2.69E-08 3.72E-03 2.45E-04 2.22E-05 1.01E-03 1.47E-03 1.87E-03 2.27E-03

3.00E+01 2.65E-08 3.65E-03 2.40E-04 2.18E-05 9.92E-04 1.45E-03 1.84E-03 2.21E-03

3.16E+01 2.11E-08 2.77E-03 1.87E-04 1.78E-05 7.85E-04 1.10E-03 1.44E-03 1.61E-03

3.35E+01 1.63E-08 2.02E-03 1.41E-04 1.35E-05 5.86E-04 8.41E-04 1.08E-03 1.21E-03

3.54E+01 1.24E-08 1.45E-03 1.05E-04 1.02E-05 4.43E-04 6.20E-04 7.72E-04 9.12E-04

3.75E+01 9.31E-09 1.02E-03 7.71E-05 7.85E-06 3.22E-04 4.59E-04 5.40E-04 6.55E-04

3.97E+01 6.86E-09 7.04E-04 5.56E-05 5.81E-06 2.38E-04 3.27E-04 3.79E-04 4.69E-04

4.20E+01 4.97E-09 4.75E-04 3.92E-05 4.21E-06 1.68E-04 2.29E-04 2.68E-04 3.29E-04

4.44E+01 3.53E-09 3.13E-04 2.72E-05 2.99E-06 1.10E-04 1.63E-04 1.88E-04 2.26E-04

4.70E+01 2.46E-09 2.02E-04 1.86E-05 2.04E-06 7.54E-05 1.13E-04 1.28E-04 1.48E-04

4.97E+01 1.68E-09 1.26E-04 1.24E-05 1.38E-06 4.90E-05 7.73E-05 8.55E-05 9.66E-05

5.26E+01 1.12E-09 7.72E-05 8.12E-06 9.34E-07 3.20E-05 5.15E-05 5.64E-05 6.29E-05

5.57E+01 7.29E-10 4.58E-05 5.16E-06 6.13E-07 1.99E-05 3.36E-05 3.59E-05 3.99E-05

5.90E+01 4.63E-10 2.71E-05 3.20E-06 4.06E-07 1.22E-05 2.10E-05 2.24E-05 2.43E-05

6.24E+01 2.87E-10 1.61E-05 1.94E-06 2.46E-07 7.38E-06 1.27E-05 1.37E-05 1.47E-05

60E+01 1.53E-10 9.23E-06 1.15E-06 1.46E-07 4.31E-06 7.53E-06 8.02E-06 8.63E-06

99E+01 3.98E-11 5.13E-06 6.63E-07 8.56E-08 2.50E-06 4.31E-06 4.65E-06 4.91E-06

7.39E+01 9.63E-12 2.88E-06 3.68E-07 4.86E-08 1.38E-06 2.39E-06 2.63E-06 2.74E-06

7.82E+01 2.14E-12 1.56E-06 1.98E-07 2.67E-08 7.43E-07 1.26E-06 1.44E-06 1.49E-06

8.28E+01 4.36E-13 8.20E-07 1.02E-07 1.42E-08 3.71E-07 6.28E-07 7.62E-07 7.80E-07

8.76E+01 8.10E-14 4.14E-07 5.10E-08 7.07E-09 1.77E-07 3.03E-07 3.88E-07 3.97E-07

9.27E+01 1.36E-14 2.01E-07 2.46E-08 3.55E-09 8.40E-08 1.45E-07 1.90E-07 1.94E-07

9.81E+01 2.07E-15 9.34E-08 1.14E-08 1.64E-09 3.78E-08 6.85E-08 8.94E-08 9.13E-08

1.00E+02 1.08E-15 7.18E-08 8.68E-09 1.26E-09 2.87E-08 5.15E-08 6.88E-08 7.03E-08

1.04E+02 2.82E-16 4.17E-08 5.00E-09 7.34E-10 1.66E-08 2.93E-08 4.02E-08 4.10E-08

1.10E+02 3.41E-17 1.78E-08 2.11E-09 3.16E-10 7.13E-09 1.22E-08 1.73E-08 1.76E-08

1.16E+02 3.65E-18 7.24E-09 8.52E-10 1.30E-10 2.81E-09 4.89E-09 7.06E-09 7.15E-09

1.23E+02 3.43E-19 2.80E-09 3.25E-10 5.01E-11 1.02E-09 1.85E-09 2.74E-09 2.77E-09

1.30E+02 2.81E-20 1.14E-09 1.18E-10 1.84E-11 3.48E-10 6.56E-10 1.00E-09 1.01E-09

1.38E+02 1.99E-21 3.89E-10 4.04E-11 6.42E-12 1.23E-10 2.24E-10 3.48E-10 3.49E-10

1.46E+02 1.21E-22 1.24E-10 1.29E-11 2.16E-12 3.87E-11 6.93E-11 1.13E-10 1.14E-10

1.54E+02 6.22E-24 3.72E-11 3.86E-12 6.79E-13 1.12E-11 2.04E-11 3.46E-11 3.47E-11

1.63E+02 2.70E-25 1.04E-11 1.08E-12 1.97E-13 3.10E-12 5.58E-12 9.83E-12 9.86E-12

1.73E+02 9.74E-27 2.69E-12 2.85E-13 5.22E-14 7.75E-13 1.42E-12 2.60E-12 2.60E-12

1.83E+02 2.90E-28 6.44E-13 7.35E-14 1.29E-14 1.99E-13 3.79E-13 6.37E-13 6.37E-13

1.94E+02 6.47E-30 1.44E-13 1.88E-14 2.95E-15 5.12E-14 1.42E-13 1.44E-13 1.44E-13

2.05E+02 0.00E+00 3.00E-14 4.30E-15 6.65E-16 1.26E-14 2.96E-14 2.97E-14 2.97E-14

2.17E+02 0.00E+00 5.66E-15 8.99E-16 1.39E-16 4.14E-15 5.59E-15 5.60E-15 5.61E-15

2.29E+02 0.00E+00 9.66E-16 1.69E-16 2.58E-17 8.74E-16 9.57E-16 9.59E-16 9.60E-16

2.43E+02 0.00E+00 1.49E-16 2.85E-17 4.42E-18 1.46E-16 1.48E-16 1.48E-16 1.48E-16

2.57E+02 0.00E+00 2.06E-17 4.31E-18 6.85E-19 2.03E-17 2.05E-17 2.05E-17 2.05E-17

2.72E+02 0.00E+00 2.53E-18 5.64E-19 8.55E-20 2.52E-18 2.53E-18 2.53E-18 2.53E-18

2.88E+02 0.00E+00 2.77E-19 6.56E-20 9.87E-21 2.75E-19 2.77E-19 2.77E-19 2.77E-19

3.00E+02 0.00E+00 5.00E-20 1.24E-20 1.97E-21 4.98E-20 5.00E-20 5.00E-20 5.00E-20

3.05E+02 0.00E+00 2.66E-20 6.67E-21 1.08E-21 2.65E-20 2.66E-20 2.66E-20 2.66E-20

3.22E+02 0.00E+00 2.23E-21 5.87E-22 9.45E-23 2.22E-21 2.23E-21 2.23E-21 2.23E-21

3.41E+02 0.00E+00 1.62E-22 4.49E-23 7.53E-24 1.61E-22 1.62E-22 1.62E-22 1.62E-22

3.61E+02 0.00E+00 1.01E-23 2.96E-24 5.43E-25 1.00E-23 1.01E-23 1.01E-23 1.01E-23

3.82E+02 0.00E+00 5.34E-25 1.65E-25 3.01E-26 5.32E-25 5.34E-25 5.34E-25 5.34E-25

4.04E+02 0.00E+00 2.38E-26 7.70E-27 1.38E-27 2.38E-26 2.38E-26 2.38E-26 2.38E-26

4.28E+02 0.00E+00 8.87E-28 2.98E-28 5.65E-29 8.84E-28 8.86E-28 8.87E-28 8.87E-28

4.53E+02 0.00E+00 2.69E-29 8.99E-30 1.54E-30 2.68E-29 2.69E-29 2.69E-29 2.69E-29

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

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

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

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

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

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

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA EU-155.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	1.95E-06	2.23E+00	4.10E-02	1.29E-03	5.81E-02	1.76E-01	4.44E-01	9.72E-01
1.00E+00	1.69E-06	1.64E+00	3.34E-02	1.13E-03	5.04E-02	1.51E-01	3.73E-01	7.93E-01
1.06E+00	1.68E-06	1.62E+00	3.30E-02	1.12E-03	5.00E-02	1.49E-01	3.69E-01	7.83E-01
1.12E+00	1.67E-06	1.59E+00	3.26E-02	1.11E-03	4.95E-02	1.48E-01	3.65E-01	7.73E-01
1.19E+00	1.65E-06	1.55E+00	3.21E-02	1.10E-03	4.91E-02	1.46E-01	3.61E-01	7.63E-01
1.25E+00	1.63E-06	1.52E+00	3.17E-02	1.09E-03	4.86E-02	1.45E-01	3.57E-01	7.53E-01
1.33E+00	1.62E-06	1.49E+00	3.12E-02	1.08E-03	4.81E-02	1.43E-01	3.52E-01	7.41E-01
1.40E+00	1.60E-06	1.45E+00	3.07E-02	1.07E-03	4.75E-02	1.42E-01	3.47E-01	7.30E-01
1.49E+00	1.58E-06	1.42E+00	3.02E-02	1.05E-03	4.70E-02	1.40E-01	3.42E-01	7.18E-01
1.57E+00	1.56E-06	1.38E+00	2.97E-02	1.04E-03	4.64E-02	1.38E-01	3.37E-01	7.05E-01
1.66E+00	1.54E-06	1.34E+00	2.92E-02	1.03E-03	4.58E-02	1.36E-01	3.32E-01	6.92E-01
1.76E+00	1.52E-06	1.30E+00	2.86E-02	1.01E-03	4.52E-02	1.34E-01	3.26E-01	6.79E-01
1.86E+00	1.50E-06	1.26E+00	2.80E-02	1.00E-03	4.45E-02	1.32E-01	3.20E-01	6.64E-01
1.97E+00	1.48E-06	1.22E+00	2.74E-02	9.86E-04	4.38E-02	1.30E-01	3.14E-01	6.50E-01
2.09E+00	1.46E-06	1.18E+00	2.68E-02	9.70E-04	4.31E-02	1.27E-01	3.08E-01	6.35E-01
2.21E+00	1.43E-06	1.14E+00	2.61E-02	9.54E-04	4.24E-02	1.25E-01	3.02E-01	6.19E-01
2.24E+00	1.40E-06	1.09E+00	2.55E-02	9.37E-04	4.16E-02	1.23E-01	2.95E-01	6.03E-01
2.47E+00	1.38E-06	1.05E+00	2.48E-02	9.19E-04	4.08E-02	1.20E-01	2.88E-01	5.87E-01
2.62E+00	1.35E-06	1.00E+00	2.41E-02	9.01E-04	4.00E-02	1.17E-01	2.81E-01	5.70E-01
2.77E+00	1.32E-06	9.56E-01	2.34E-02	8.82E-04	3.91E-02	1.15E-01	2.73E-01	5.52E-01
2.93E+00	1.29E-06	9.10E-01	2.27E-02	8.62E-04	3.82E-02	1.12E-01	2.66E-01	5.34E-01
3.00E+00	1.28E-06	8.91E-01	2.24E-02	8.54E-04	3.78E-02	1.11E-01	2.63E-01	5.27E-01
3.10E+00	1.26E-06	8.63E-01	2.19E-02	8.42E-04	3.73E-02	1.09E-01	2.58E-01	5.16E-01
3.28E+00	1.23E-06	8.17E-01	2.11E-02	8.21E-04	3.63E-02	1.06E-01	2.50E-01	4.97E-01
3.48E+00	1.20E-06	7.70E-01	2.04E-02	8.00E-04	3.54E-02	1.03E-01	2.42E-01	4.78E-01
3.68E+00	1.17E-06	7.24E-01	1.96E-02	7.77E-04	3.43E-02	9.97E-02	2.33E-01	4.59E-01
3.89E+00	1.13E-06	6.78E-01	1.88E-02	7.55E-04	3.33E-02	9.65E-02	2.25E-01	4.39E-01
4.12E+00	1.10E-06	6.32E-01	1.80E-02	7.31E-04	3.22E-02	9.32E-02	2.16E-01	4.07E-01
4.36E+00	1.06E-06	5.88E-01	1.72E-02	7.10E-04	3.12E-02	8.98E-02	2.07E-01	3.74E-01
4.61E+00	1.02E-06	5.44E-01	1.64E-02	6.85E-04	3.00E-02	8.63E-02	1.98E-01	3.53E-01
4.88E+00	9.85E-07	5.01E-01	1.56E-02	6.60E-04	2.92E-02	8.28E-02	1.89E-01	3.36E-01
5.17E+00	9.46E-07	4.59E-01	1.48E-02	6.34E-04	2.80E-02	7.93E-02	1.80E-01	3.19E-01
5.47E+00	9.07E-07	4.18E-01	1.41E-02	6.08E-04	2.68E-02	7.57E-02	1.70E-01	3.02E-01
5.78E+00	8.68E-07	3.80E-01	1.33E-02	5.84E-04	2.65E-02	7.21E-02	1.61E-01	2.82E-01
6.12E+00	8.28E-07	3.46E-01	1.25E-02	5.58E-04	2.63E-02	6.84E-02	1.52E-01	2.57E-01
6.48E+00	7.88E-07	3.22E-01	1.17E-02	5.31E-04	2.50E-02	6.48E-02	1.43E-01	2.33E-01
6.86E+00	7.47E-07	2.98E-01	1.10E-02	5.04E-04	2.37E-02	6.11E-02	1.34E-01	2.15E-01
7.26E+00	7.07E-07	2.76E-01	1.02E-02	4.77E-04	2.23E-02	5.75E-02	1.24E-01	1.99E-01
7.68E+00	6.66E-07	2.53E-01	9.47E-03	4.50E-04	2.26E-02	5.38E-02	1.14E-01	1.84E-01
8.13E+00	6.26E-07	2.32E-01	8.74E-03	4.23E-04	2.12E-02	5.02E-02	1.02E-01	1.70E-01
8.60E+00	5.86E-07	2.11E-01	8.05E-03	3.96E-04	1.98E-02	4.67E-02	9.43E-02	1.55E-01
9.10E+00	5.46E-07	1.91E-01	7.38E-03	3.69E-04	1.91E-02	4.32E-02	8.68E-02	1.37E-01
9.63E+00	5.07E-07	1.71E-01	6.74E-03	3.43E-04	1.77E-02	3.98E-02	7.96E-02	1.17E-01
1.00E+01	4.82E-07	1.59E-01	6.32E-03	3.26E-04	1.69E-02	3.76E-02	7.49E-02	1.04E-01
1.02E+01	4.69E-07	1.53E-01	6.12E-03	3.18E-04	1.65E-02	3.65E-02	7.24E-02	9.83E-02
1.08E+01	4.32E-07	1.36E-01	5.53E-03	2.93E-04	1.51E-02	3.34E-02	6.48E-02	8.20E-02
1.14E+01	3.95E-07	1.20E-01	4.96E-03	2.69E-04	1.38E-02	3.03E-02	5.77E-02	7.20E-02
1.21E+01	3.60E-07	1.05E-01	4.44E-03	2.46E-04	1.26E-02	2.43E-02	4.93E-02	6.39E-02
1.28E+01	3.27E-07	9.12E-02	3.95E-03	2.23E-04	1.18E-02	2.18E-02	4.25E-02	5.62E-02
1.35E+01	2.94E-07	7.86E-02	3.49E-03	2.01E-04	1.06E-02	1.95E-02	3.56E-02	4.92E-02
1.43E+01	2.64E-07	6.71E-02	3.08E-03	1.82E-04	9.46E-03	1.73E-02	3.03E-02	4.27E-02
1.51E+01	2.35E-07	5.68E-02	2.68E-03	1.62E-04	8.37E-03	1.53E-02	2.64E-02	3.67E-02
1.60E+01	2.07E-07	4.76E-02	2.32E-03	1.43E-04	7.36E-03	1.34E-02	2.30E-02	3.13E-02
1.70E+01	1.82E-07	3.95E-02	1.99E-03	1.25E-04	6.41E-03	1.16E-02	1.97E-02	2.65E-02
1.80E+01	1.59E-07	3.24E-02	1.70E-03	1.10E-04	5.55E-03	9.76E-03	1.64E-02	2.22E-02
1.90E+01	1.37E-07	2.63E-02	1.43E-03	9.49E-05	4.83E-03	8.00E-03	1.36E-02	1.84E-02

2.01E+01 1.17E-07 2.11E-02 1.20E-03 8.13E-05 4.11E-03 6.72E-03 1.12E-02 1.51E-02

2.13E+01 9.96E-08 1.67E-02 1.00E-03 6.91E-05 3.47E-03 5.65E-03 9.29E-03 1.26E-02

2.25E+01 8.38E-08 1.33E-02 8.21E-04 5.81E-05 2.89E-03 4.70E-03 7.67E-03 9.79E-03

2.38E+01 6.97E-08 1.04E-02 6.67E-04 4.84E-05 2.39E-03 3.87E-03 6.26E-03 7.82E-03

2.52E+01 5.75E-08 8.09E-03 5.38E-04 4.00E-05 1.95E-03 3.15E-03 5.05E-03 6.31E-03

2.67E+01 4.68E-08 6.18E-03 4.29E-04 3.26E-05 1.60E-03 2.50E-03 3.97E-03 5.03E-03

2.82E+01 3.77E-08 4.65E-03 3.38E-04 2.63E-05 1.33E-03 2.00E-03 3.03E-03 3.95E-03

2.99E+01 2.99E-08 3.44E-03 2.61E-04 2.09E-05 1.04E-03 1.58E-03 2.21E-03 2.98E-03

3.00E+01 2.94E-08 3.36E-03 2.56E-04 2.06E-05 1.02E-03 1.55E-03 2.16E-03 2.91E-03

3.16E+01 2.35E-08 2.50E-03 1.99E-04 1.65E-05 7.65E-04 1.21E-03 1.65E-03 2.10E-03

3.35E+01 1.81E-08 1.85E-03 1.50E-04 1.27E-05 5.84E-04 9.26E-04 1.25E-03 1.56E-03

3.54E+01 1.38E-08 1.36E-03 1.11E-04 9.72E-06 4.36E-04 6.95E-04 9.28E-04 1.15E-03

3.75E+01 1.04E-08 9.83E-04 8.12E-05 7.33E-06 3.24E-04 4.95E-04 6.54E-04 8.08E-04

3.97E+01 7.63E-09 6.97E-04 5.84E-05 5.42E-06 2.36E-04 3.57E-04 4.45E-04 5.55E-04

4.20E+01 5.52E-09 4.85E-04 4.17E-05 3.97E-06 1.67E-04 2.49E-04 3.00E-04 3.76E-04

4.44E+01 3.93E-09 3.30E-04 2.89E-05 2.80E-06 1.16E-04 1.71E-04 1.99E-04 2.65E-04

4.70E+01 2.73E-09 2.20E-04 1.96E-05 1.96E-06 7.96E-05 1.18E-04 1.36E-04 1.79E-04

4.97E+01 1.86E-09 1.43E-04 1.30E-05 1.34E-06 5.28E-05 7.92E-05 8.82E-05 1.17E-04

5.26E+01 1.24E-09 9.08E-05 8.47E-06 8.89E-07 3.39E-05 5.17E-05 5.62E-05 7.52E-05

5.57E+01 8.10E-10 5.65E-05 5.45E-06 5.81E-07 2.19E-05 3.36E-05 3.59E-05 4.69E-05

90E+01 5.15E-10 3.42E-05 3.38E-06 3.74E-07 1.32E-05 2.13E-05 2.22E-05 2.84E-05

6.24E+01 3.19E-10 2.04E-05 2.04E-06 2.32E-07 7.80E-06 1.29E-05 1.34E-05 1.68E-05

60E+01 1.13E-10 1.22E-05 1.19E-06 1.40E-07 4.42E-06 7.46E-06 8.07E-06 9.58E-06

99E+01 0.00E+00 7.03E-06 6.70E-07 8.17E-08 2.49E-06 4.11E-06 4.71E-06 5.43E-06

7.39E+01 0.00E+00 3.93E-06 3.72E-07 4.63E-08 1.39E-06 2.23E-06 2.64E-06 2.93E-06

7.82E+01 0.00E+00 2.13E-06 2.01E-07 2.54E-08 7.48E-07 1.22E-06 1.45E-06 1.56E-06

8.28E+01 0.00E+00 1.11E-06 1.04E-07 1.35E-08 3.88E-07 6.36E-07 7.64E-07 8.15E-07

8.76E+01 0.00E+00 5.57E-07 5.20E-08 6.76E-09 1.88E-07 3.08E-07 3.89E-07 4.06E-07

9.27E+01 0.00E+00 2.69E-07 2.50E-08 3.34E-09 8.79E-08 1.47E-07 1.90E-07 1.96E-07

9.81E+01 0.00E+00 1.24E-07 1.15E-08 1.57E-09 3.85E-08 6.64E-08 8.95E-08 9.22E-08

1.00E+02 0.00E+00 9.52E-08 8.78E-09 1.21E-09 2.92E-08 5.11E-08 6.89E-08 7.09E-08

1.04E+02 0.00E+00 5.50E-08 5.07E-09 7.09E-10 1.64E-08 2.83E-08 4.03E-08 4.21E-08

1.10E+02 0.00E+00 2.32E-08 2.13E-09 3.04E-10 6.73E-09 1.11E-08 1.73E-08 1.79E-08

1.16E+02 0.00E+00 9.30E-09 8.49E-10 1.24E-10 2.68E-09 4.35E-09 7.06E-09 7.25E-09

1.23E+02 0.00E+00 3.54E-09 3.25E-10 4.85E-11 1.01E-09 1.64E-09 2.74E-09 2.80E-09

1.30E+02 0.00E+00 1.27E-09 1.17E-10 1.78E-11 3.55E-10 5.57E-10 1.01E-09 1.03E-09

1.38E+02 0.00E+00 4.30E-10 3.95E-11 6.24E-12 1.17E-10 1.84E-10 3.48E-10 3.54E-10

1.46E+02 0.00E+00 1.37E-10 1.26E-11 2.06E-12 3.66E-11 5.83E-11 1.13E-10 1.15E-10

1.54E+02 0.00E+00 4.07E-11 3.81E-12 6.51E-13 1.07E-11 1.67E-11 3.46E-11 3.49E-11

1.63E+02 0.00E+00 1.13E-11 1.07E-12 1.94E-13 2.87E-12 4.88E-12 9.83E-12 9.87E-12

1.73E+02 0.00E+00 2.90E-12 2.85E-13 5.37E-14 7.30E-13 1.24E-12 2.60E-12 2.61E-12

1.83E+02 0.00E+00 6.89E-13 7.36E-14 1.36E-14 1.89E-13 4.41E-13 6.37E-13 6.37E-13

1.94E+02 0.00E+00 1.50E-13 1.87E-14 3.46E-15 4.70E-14 1.41E-13 1.44E-13 1.44E-13

2.05E+02 0.00E+00 3.01E-14 4.34E-15 7.74E-16 1.20E-14 2.96E-14 2.97E-14 2.97E-14

2.17E+02 0.00E+00 5.63E-15 9.03E-16 1.58E-16 4.34E-15 5.59E-15 5.60E-15 5.60E-15

2.29E+02 0.00E+00 9.63E-16 1.70E-16 2.80E-17 9.05E-16 9.58E-16 9.59E-16 9.59E-16

2.43E+02 0.00E+00 1.49E-16 2.86E-17 4.38E-18 1.45E-16 1.48E-16 1.48E-16 1.48E-16

2.57E+02 0.00E+00 2.05E-17 4.26E-18 6.58E-19 2.02E-17 2.05E-17 2.05E-17 2.05E-17

2.72E+02 0.00E+00 2.53E-18 5.59E-19 8.80E-20 2.50E-18 2.53E-18 2.53E-18 2.53E-18

2.88E+02 0.00E+00 2.77E-19 6.54E-20 1.00E-20 2.75E-19 2.77E-19 2.77E-19 2.77E-19

3.00E+02 0.00E+00 5.00E-20 1.24E-20 1.87E-21 4.97E-20 5.00E-20 5.00E-20 5.00E-20

3.05E+02 0.00E+00 2.66E-20 6.71E-21 1.01E-21 2.65E-20 2.66E-20 2.66E-20 2.66E-20

3.22E+02 0.00E+00 2.23E-21 5.97E-22 9.35E-23 2.22E-21 2.23E-21 2.23E-21 2.23E-21

3.41E+02 0.00E+00 1.62E-22 4.58E-23 7.66E-24 1.61E-22 1.62E-22 1.62E-22 1.62E-22

3.61E+02 0.00E+00 1.01E-23 2.97E-24 5.03E-25 1.00E-23 1.01E-23 1.01E-23 1.01E-23

3.82E+02 0.00E+00 5.34E-25 1.64E-25 3.04E-26 5.32E-25 5.34E-25 5.34E-25 5.34E-25

4.04E+02 0.00E+00 2.38E-26 7.61E-27 1.39E-27 2.37E-26 2.38E-26 2.38E-26 2.38E-26

4.28E+02 0.00E+00 8.87E-28 2.96E-28 5.82E-29 8.83E-28 8.86E-28 8.87E-28 8.87E-28

4.53E+02 0.00E+00 2.69E-29 8.99E-30 1.55E-30 2.68E-29 2.69E-29 2.69E-29 2.69E-29

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

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

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

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

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

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

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

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

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA EU-155.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	4.80E-07	2.08E+00	4.16E-02	1.38E-03	5.52E-02	1.72E-01	4.35E-01	1.11E+00
1.00E+00	4.17E-07	1.51E+00	3.37E-02	1.20E-03	4.78E-02	1.48E-01	3.64E-01	8.86E-01
1.06E+00	4.14E-07	1.48E+00	3.33E-02	1.19E-03	4.74E-02	1.47E-01	3.60E-01	8.74E-01
1.12E+00	4.10E-07	1.45E+00	3.29E-02	1.18E-03	4.70E-02	1.46E-01	3.56E-01	8.62E-01
1.19E+00	4.07E-07	1.42E+00	3.25E-02	1.17E-03	4.65E-02	1.44E-01	3.52E-01	8.49E-01
1.25E+00	4.03E-07	1.39E+00	3.20E-02	1.16E-03	4.60E-02	1.43E-01	3.48E-01	8.36E-01
1.33E+00	3.99E-07	1.36E+00	3.15E-02	1.15E-03	4.56E-02	1.41E-01	3.43E-01	8.22E-01
1.40E+00	3.94E-07	1.32E+00	3.10E-02	1.13E-03	4.51E-02	1.40E-01	3.38E-01	8.08E-01
1.49E+00	3.90E-07	1.29E+00	3.05E-02	1.12E-03	4.45E-02	1.38E-01	3.33E-01	7.93E-01
1.57E+00	3.85E-07	1.25E+00	3.00E-02	1.11E-03	4.40E-02	1.36E-01	3.28E-01	7.77E-01
1.66E+00	3.80E-07	1.22E+00	2.94E-02	1.09E-03	4.34E-02	1.34E-01	3.23E-01	7.61E-01
1.76E+00	3.75E-07	1.18E+00	2.89E-02	1.08E-03	4.28E-02	1.32E-01	3.17E-01	7.45E-01
1.86E+00	3.70E-07	1.14E+00	2.83E-02	1.06E-03	4.22E-02	1.30E-01	3.12E-01	7.27E-01
1.97E+00	3.64E-07	1.10E+00	2.76E-02	1.05E-03	4.15E-02	1.28E-01	3.06E-01	7.10E-01
2.09E+00	3.58E-07	1.06E+00	2.70E-02	1.03E-03	4.08E-02	1.26E-01	3.00E-01	6.91E-01
2.21E+00	3.52E-07	1.02E+00	2.63E-02	1.01E-03	4.01E-02	1.24E-01	2.93E-01	6.72E-01
2.24E+00	3.46E-07	9.81E-01	2.57E-02	9.96E-04	3.94E-02	1.21E-01	2.87E-01	6.53E-01
2.27E+00	3.40E-07	9.39E-01	2.50E-02	9.77E-04	3.86E-02	1.19E-01	2.80E-01	6.33E-01
2.26E+00	3.33E-07	8.97E-01	2.43E-02	9.58E-04	3.78E-02	1.16E-01	2.73E-01	6.12E-01
2.27E+00	3.26E-07	8.54E-01	2.35E-02	9.37E-04	3.70E-02	1.14E-01	2.65E-01	5.92E-01
2.29E+00	3.19E-07	8.11E-01	2.28E-02	9.16E-04	3.61E-02	1.11E-01	2.58E-01	5.70E-01
3.00E+00	3.16E-07	7.94E-01	2.25E-02	9.08E-04	3.58E-02	1.10E-01	2.55E-01	5.59E-01
3.10E+00	3.11E-07	7.68E-01	2.20E-02	8.95E-04	3.52E-02	1.08E-01	2.50E-01	5.38E-01
3.28E+00	3.03E-07	7.25E-01	2.12E-02	8.72E-04	3.43E-02	1.05E-01	2.42E-01	5.12E-01
3.48E+00	2.95E-07	6.82E-01	2.05E-02	8.59E-04	3.34E-02	1.02E-01	2.34E-01	4.90E-01
3.68E+00	2.87E-07	6.39E-01	1.97E-02	8.35E-04	3.24E-02	9.93E-02	2.26E-01	4.68E-01
3.89E+00	2.79E-07	6.00E-01	1.89E-02	8.10E-04	3.14E-02	9.61E-02	2.17E-01	4.46E-01
4.12E+00	2.70E-07	5.69E-01	1.81E-02	7.85E-04	3.04E-02	9.29E-02	2.09E-01	4.24E-01
4.36E+00	2.61E-07	5.38E-01	1.72E-02	7.59E-04	2.94E-02	8.96E-02	2.00E-01	4.01E-01
4.61E+00	2.52E-07	5.07E-01	1.64E-02	7.32E-04	3.00E-02	8.63E-02	1.91E-01	3.79E-01
4.88E+00	2.43E-07	4.77E-01	1.56E-02	7.05E-04	2.88E-02	8.29E-02	1.82E-01	3.56E-01
5.17E+00	2.33E-07	4.46E-01	1.48E-02	6.78E-04	2.77E-02	7.94E-02	1.73E-01	3.34E-01
5.47E+00	2.24E-07	4.16E-01	1.40E-02	6.50E-04	2.65E-02	7.59E-02	1.64E-01	3.12E-01
5.78E+00	2.14E-07	3.86E-01	1.32E-02	6.22E-04	2.54E-02	7.24E-02	1.55E-01	2.91E-01
6.12E+00	2.04E-07	3.57E-01	1.24E-02	5.99E-04	2.45E-02	6.88E-02	1.46E-01	2.69E-01
6.48E+00	1.94E-07	3.29E-01	1.16E-02	5.70E-04	2.33E-02	6.52E-02	1.37E-01	2.48E-01
6.86E+00	1.84E-07	3.01E-01	1.09E-02	5.48E-04	2.20E-02	6.17E-02	1.28E-01	2.28E-01
7.26E+00	1.74E-07	2.74E-01	1.01E-02	5.18E-04	2.08E-02	5.81E-02	1.17E-01	2.03E-01
7.68E+00	1.64E-07	2.49E-01	9.36E-03	4.88E-04	2.04E-02	5.45E-02	1.07E-01	1.82E-01
8.13E+00	1.54E-07	2.24E-01	8.65E-03	4.59E-04	1.94E-02	5.10E-02	9.94E-02	1.67E-01
8.60E+00	1.44E-07	2.01E-01	7.95E-03	4.30E-04	1.87E-02	4.75E-02	9.17E-02	1.53E-01
9.10E+00	1.35E-07	1.79E-01	7.28E-03	4.01E-04	1.74E-02	4.41E-02	8.42E-02	1.37E-01
9.63E+00	1.25E-07	1.58E-01	6.63E-03	3.72E-04	1.61E-02	4.07E-02	7.69E-02	1.22E-01
1.00E+01	1.19E-07	1.45E-01	6.22E-03	3.54E-04	1.53E-02	3.85E-02	7.22E-02	1.12E-01
1.02E+01	1.16E-07	1.39E-01	6.01E-03	3.46E-04	1.56E-02	3.74E-02	6.99E-02	1.07E-01
1.08E+01	1.06E-07	1.21E-01	5.42E-03	3.18E-04	1.44E-02	3.37E-02	6.31E-02	9.39E-02
1.14E+01	9.74E-08	1.04E-01	4.86E-03	2.91E-04	1.31E-02	3.05E-02	5.41E-02	8.15E-02
1.21E+01	8.88E-08	8.95E-02	4.35E-03	2.66E-04	1.20E-02	2.76E-02	4.77E-02	7.01E-02
1.28E+01	8.04E-08	7.60E-02	3.87E-03	2.41E-04	1.12E-02	2.48E-02	4.21E-02	6.04E-02
1.35E+01	7.25E-08	6.39E-02	3.41E-03	2.17E-04	1.07E-02	2.22E-02	3.70E-02	5.10E-02
1.43E+01	6.49E-08	5.32E-02	2.98E-03	1.94E-04	9.14E-03	1.97E-02	3.22E-02	4.32E-02
1.51E+01	5.78E-08	4.41E-02	2.59E-03	1.73E-04	7.94E-03	1.61E-02	2.78E-02	3.65E-02
1.60E+01	5.11E-08	3.73E-02	2.23E-03	1.53E-04	7.00E-03	1.34E-02	2.40E-02	3.05E-02
1.70E+01	4.48E-08	3.13E-02	1.92E-03	1.35E-04	6.12E-03	1.17E-02	2.04E-02	2.52E-02
1.80E+01	3.91E-08	2.59E-02	1.64E-03	1.17E-04	5.36E-03	1.01E-02	1.73E-02	2.07E-02
1.90E+01	3.37E-08	2.12E-02	1.38E-03	1.01E-04	4.70E-03	8.67E-03	1.46E-02	1.68E-02

2.01E+01 2.89E-08 1.72E-02 1.15E-03 8.68E-05 3.90E-03 7.36E-03 1.17E-02 1.34E-02

2.13E+01 2.45E-08 1.41E-02 9.53E-04 7.37E-05 3.30E-03 6.20E-03 9.23E-03 1.06E-02

2.25E+01 2.06E-08 1.14E-02 7.84E-04 6.20E-05 2.86E-03 5.16E-03 7.16E-03 8.61E-03

2.38E+01 1.72E-08 9.06E-03 6.36E-04 5.16E-05 2.35E-03 4.26E-03 5.72E-03 7.07E-03

2.52E+01 1.42E-08 7.13E-03 5.12E-04 4.25E-05 1.91E-03 3.45E-03 4.35E-03 5.74E-03

2.67E+01 1.15E-08 5.54E-03 4.09E-04 3.47E-05 1.58E-03 2.61E-03 3.31E-03 4.57E-03

2.82E+01 9.28E-09 4.24E-03 3.21E-04 2.79E-05 1.32E-03 1.95E-03 2.54E-03 3.58E-03

2.99E+01 7.37E-09 3.19E-03 2.48E-04 2.22E-05 1.04E-03 1.45E-03 1.90E-03 2.69E-03

3.00E+01 7.25E-09 3.13E-03 2.44E-04 2.18E-05 1.03E-03 1.43E-03 1.86E-03 2.63E-03

3.16E+01 5.78E-09 2.36E-03 1.89E-04 1.74E-05 8.11E-04 1.12E-03 1.42E-03 1.93E-03

3.35E+01 4.47E-09 1.75E-03 1.43E-04 1.34E-05 5.57E-04 8.53E-04 1.05E-03 1.36E-03

3.54E+01 3.40E-09 1.28E-03 1.06E-04 1.02E-05 4.10E-04 6.12E-04 7.74E-04 9.46E-04

3.75E+01 2.55E-09 9.24E-04 7.77E-05 7.68E-06 2.97E-04 4.53E-04 5.62E-04 6.70E-04

3.97E+01 1.88E-09 6.55E-04 5.57E-05 5.68E-06 2.16E-04 3.26E-04 4.03E-04 4.66E-04

4.20E+01 1.36E-09 4.63E-04 3.93E-05 4.09E-06 1.54E-04 2.33E-04 2.76E-04 3.17E-04

4.44E+01 9.67E-10 3.21E-04 2.72E-05 2.91E-06 1.07E-04 1.65E-04 1.85E-04 2.11E-04

4.70E+01 6.74E-10 2.17E-04 1.86E-05 2.03E-06 7.32E-05 1.15E-04 1.20E-04 1.43E-04

4.97E+01 4.59E-10 1.44E-04 1.24E-05 1.38E-06 4.98E-05 7.72E-05 8.16E-05 9.46E-05

5.26E+01 3.06E-10 9.33E-05 8.11E-06 9.31E-07 3.15E-05 5.15E-05 5.39E-05 6.14E-05

5.57E+01 2.00E-10 5.88E-05 5.14E-06 6.07E-07 1.98E-05 3.22E-05 3.47E-05 3.85E-05

5.90E+01 8.29E-10 3.61E-05 3.19E-06 3.91E-07 1.20E-05 1.95E-05 2.16E-05 2.36E-05

6.24E+01 2.38E-10 2.16E-05 1.94E-06 2.47E-07 7.35E-06 1.17E-05 1.34E-05 1.44E-05

6.0E+01 6.35E-11 1.25E-05 1.14E-06 1.49E-07 4.24E-06 6.63E-06 8.04E-06 8.56E-06

99E+01 1.57E-11 7.01E-06 6.58E-07 8.69E-08 2.39E-06 3.88E-06 4.68E-06 4.86E-06

7.39E+01 3.58E-12 3.81E-06 3.65E-07 4.84E-08 1.32E-06 2.07E-06 2.64E-06 2.75E-06

7.82E+01 7.49E-13 1.99E-06 1.96E-07 2.58E-08 7.22E-07 1.13E-06 1.44E-06 1.47E-06

8.28E+01 1.43E-13 1.00E-06 1.01E-07 1.37E-08 3.53E-07 5.77E-07 7.62E-07 7.77E-07

8.76E+01 2.48E-14 4.87E-07 5.07E-08 6.91E-09 1.68E-07 2.82E-07 3.88E-07 3.95E-07

9.27E+01 3.88E-15 2.26E-07 2.44E-08 3.40E-09 8.06E-08 1.37E-07 1.90E-07 1.96E-07

9.81E+01 5.44E-16 1.00E-07 1.12E-08 1.60E-09 3.64E-08 5.99E-08 8.94E-08 9.14E-08

1.00E+02 2.76E-16 7.59E-08 8.55E-09 1.24E-09 2.74E-08 4.54E-08 6.88E-08 7.01E-08

1.04E+02 6.82E-17 4.26E-08 4.92E-09 7.13E-10 1.55E-08 2.57E-08 4.02E-08 4.07E-08

1.10E+02 7.57E-18 1.80E-08 2.07E-09 3.10E-10 6.54E-09 1.03E-08 1.73E-08 1.74E-08

1.16E+02 7.40E-19 7.34E-09 8.33E-10 1.26E-10 2.63E-09 4.11E-09 7.05E-09 7.11E-09

1.23E+02 6.31E-20 2.84E-09 3.16E-10 4.85E-11 1.00E-09 1.50E-09 2.74E-09 2.76E-09

1.30E+02 4.66E-21 1.04E-09 1.15E-10 1.78E-11 3.55E-10 5.27E-10 1.00E-09 1.01E-09

1.38E+02 2.96E-22 3.58E-10 3.90E-11 6.16E-12 1.16E-10 1.75E-10 3.48E-10 3.50E-10

1.46E+02 1.60E-23 1.16E-10 1.25E-11 1.99E-12 3.60E-11 5.95E-11 1.13E-10 1.13E-10

1.54E+02 7.31E-25 3.53E-11 3.77E-12 6.29E-13 1.04E-11 1.76E-11 3.45E-11 3.46E-11

1.63E+02 2.78E-26 1.00E-11 1.06E-12 1.89E-13 2.90E-12 4.87E-12 9.83E-12 9.85E-12

1.73E+02 8.77E-28 2.63E-12 2.81E-13 5.64E-14 7.57E-13 1.27E-12 2.60E-12 2.60E-12

1.83E+02 2.09E-29 6.42E-13 7.23E-14 1.48E-14 1.94E-13 3.55E-13 6.36E-13 6.37E-13

1.94E+02 0.00E+00 1.45E-13 1.85E-14 3.52E-15 4.58E-14 1.41E-13 1.44E-13 1.44E-13

2.05E+02 0.00E+00 2.98E-14 4.31E-15 7.78E-16 1.25E-14 2.96E-14 2.97E-14 2.97E-14

2.17E+02 0.00E+00 5.60E-15 9.05E-16 1.57E-16 4.48E-15 5.59E-15 5.60E-15 5.60E-15

2.29E+02 0.00E+00 9.59E-16 1.71E-16 2.84E-17 9.36E-16 9.58E-16 9.59E-16 9.59E-16

2.43E+02 0.00E+00 1.48E-16 2.87E-17 4.57E-18 1.46E-16 1.48E-16 1.48E-16 1.48E-16

2.57E+02 0.00E+00 2.05E-17 4.27E-18 7.32E-19 2.04E-17 2.05E-17 2.05E-17 2.05E-17

2.72E+02 0.00E+00 2.53E-18 5.71E-19 9.83E-20 2.52E-18 2.53E-18 2.53E-18 2.53E-18

2.88E+02 0.00E+00 2.77E-19 6.64E-20 1.09E-20 2.76E-19 2.77E-19 2.77E-19 2.77E-19

3.00E+02 0.00E+00 5.00E-20 1.26E-20 2.09E-21 4.98E-20 5.00E-20 5.00E-20 5.00E-20

3.05E+02 0.00E+00 2.66E-20 6.79E-21 1.16E-21 2.65E-20 2.66E-20 2.66E-20 2.66E-20

3.22E+02 0.00E+00 2.23E-21 5.98E-22 1.03E-22 2.22E-21 2.23E-21 2.23E-21 2.23E-21

3.41E+02 0.00E+00 1.62E-22 4.56E-23 7.87E-24 1.61E-22 1.62E-22 1.62E-22 1.62E-22

3.61E+02 0.00E+00 1.01E-23 2.97E-24 5.46E-25 1.01E-23 1.01E-23 1.01E-23 1.01E-23

3.82E+02 0.00E+00 5.34E-25 1.65E-25 2.97E-26 5.33E-25 5.34E-25 5.34E-25 5.34E-25

4.04E+02 0.00E+00 2.38E-26 7.71E-27 1.47E-27 2.38E-26 2.38E-26 2.38E-26 2.38E-26

4.28E+02 0.00E+00 8.87E-28 2.99E-28 5.95E-29 8.84E-28 8.87E-28 8.87E-28 8.87E-28

4.53E+02 0.00E+00 2.69E-29 9.10E-30 1.54E-30 2.68E-29 2.69E-29 2.69E-29 2.69E-29

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

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

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

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

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

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

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

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

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA EU-155.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	4.004E-02
2	0.000E+00	4.103E-02
3	0.000E+00	4.160E-02

Title : RESRAD Default Parameters
 Input File : FCS BFM INSITU UA EU-155.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	13 -0.02	13 -0.02	5 -0.09	5 -0.03
Contaminated zone b parameter	1 -0.09	1 -0.09	12 -0.04	12 -0.01
Evapotranspiration coefficient	6 -0.04	6 -0.04	14 0.03	14 0.01
Wind Speed	5 0.05	5 0.04	8 -0.07	8 -0.02
Runoff coefficient	4 -0.06	4 -0.06	11 -0.04	11 -0.01
b Parameter of Unsaturated zone 1	16 -0.01	16 -0.01	13 0.04	13 0.01
Mass loading for inhalation	17 0.01	17 0.01	17 0.00	17 0.00
Indoor dust filtration factor	10 0.03	10 0.03	15 -0.03	15 -0.01
Depth of soil mixing layer	9 -0.03	9 -0.03	6 0.08	6 0.02
Depth of roots	7 -0.04	7 -0.04	2 0.47	2 0.17
Wet weight crop yield of fruit, grain and non-leafy vegetables	3 0.07	3 0.07	9 0.05	9 0.02
Weathering removal constant of all vegetation	15 0.01	15 0.01	4 -0.10	4 -0.03
Wet foliar interception fraction of leafy vegetables	11 -0.02	11 -0.02	16 -0.01	16 0.00
Humidity in air	2 0.08	2 0.08	10 0.05	10 0.02
Cover erosion rate	12 -0.02	12 -0.02	3 0.12	3 0.04
Kd of Eu-155 in Contaminated Zone	8 -0.04	8 -0.04	1 -0.94	1 -0.93
Kd of Eu-155 in Saturated Zone	14 -0.01	14 -0.01	7 0.07	7 0.02
R-SQUARE	0.03	0.03	0.90	0.90

-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 EU-155.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	7 -0.02	7 -0.02	17 0.00	17 0.00
Contaminated zone b parameter	8 0.01	8 0.01	7 0.04	7 0.01
Evapotranspiration coefficient	15 0.00	15 0.00	16 0.00	16 0.00
Wind Speed	2 0.06	2 0.06	14 0.00	14 0.00
Runoff coefficient	11 0.01	11 0.01	11 0.03	11 0.01
b Parameter of Unsaturated zone 1	14 -0.01	14 -0.01	5 -0.05	5 -0.02
Mass loading for inhalation	12 -0.01	12 -0.01	6 -0.05	6 -0.02
Indoor dust filtration factor	3 -0.05	3 -0.05	10 -0.04	10 -0.01
Depth of soil mixing layer	1 0.07	1 0.07	8 -0.04	8 -0.01
Depth of roots	13 -0.01	13 -0.01	2 0.52	2 0.18
Wet weight crop yield of fruit, grain and non-leafy vegetables	9 0.01	9 0.01	13 0.02	13 0.00
Weathering removal constant of all vegetation	10 -0.01	10 -0.01	15 0.00	15 0.00
Wet foliar interception fraction of leafy vegetables	4 0.05	4 0.05	4 0.06	4 0.02
Humidity in air	17 0.00	17 0.00	9 -0.04	9 -0.01
Cover erosion rate	16 0.00	16 0.00	3 0.11	3 0.03
Kd of Eu-155 in Contaminated Zone	6 -0.02	6 -0.02	1 -0.95	1 -0.93
Kd of Eu-155 in Saturated Zone	5 0.03	5 0.03	12 0.03	12 0.01
R-SQUARE	0.02	0.02	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.

Title : RESRAD Default Parameters
 Input File : FCS BFM INSITU UA EU-155.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	12	0.01	12	0.01	16	0.01	16	0.00
Contaminated zone b parameter	14	0.00	14	0.00	15	0.01	15	0.00
Evapotranspiration coefficient	15	0.00	15	0.00	6	-0.05	6	-0.02
Wind Speed	3	-0.07	3	-0.06	9	-0.04	9	-0.01
Runoff coefficient	5	-0.05	5	-0.05	4	-0.08	4	-0.02
b Parameter of Unsaturated zone 1	13	0.00	13	0.00	8	-0.04	8	-0.01
Mass loading for inhalation	1	0.11	1	0.11	10	-0.03	10	-0.01
Indoor dust filtration factor	9	-0.03	9	-0.03	7	-0.04	7	-0.01
Depth of soil mixing layer	17	0.00	17	0.00	11	0.02	11	0.01
Depth of roots	4	0.06	4	0.06	2	0.53	2	0.18
Wet weight crop yield of fruit, grain and non-leafy vegetables	6	-0.05	6	-0.05	14	0.01	14	0.00
Weathering removal constant of all vegetation	10	-0.02	10	-0.02	17	0.00	17	0.00
Wet foliar interception fraction of leafy vegetables	11	0.01	11	0.01	13	0.02	13	0.00
Humidity in air	8	-0.03	8	-0.03	12	0.02	12	0.01
Cover erosion rate	2	0.08	2	0.08	3	0.12	3	0.04
Kd of Eu-155 in Contaminated Zone	7	-0.03	7	-0.03	1	-0.96	1	-0.94
Kd of Eu-155 in Saturated Zone	16	0.00	16	0.00	5	-0.07	5	-0.02

R-SQUARE 0.03 0.03 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.