



Radiation Team – Data Tracking Table



Circle One: **TEPC1 (Portable)** **TEPC2 (Stationary)**

Column	A	B	C (Graph this column)	D	E	F (Graph this column and compare to tables in the Reference Guide)
Table Headings	UTC	20 min Dose Total	Cumulative Dose	Dose Rate	Time to Criticality	24 hour Projected Total
Units	24 Hour Clock	rems	rems	rem/hr	hours	rems
Calculations	From Data	From Data	C= B+ Previous C	$D = \frac{B}{0.33}$	$E = \frac{100 - C}{D}$	$F = (D \times 24) + C$
Examples and Practice	15:00	0.43	0.43	1.30	76.59	31.63
	15:20	0.58	1.01	1.76	56.24	43.25
	15:40	1.67	2.68	5.06	19.23	124.12
	16:00	3.56	6.24	10.79	8.69	265.20
	16:20	5.01	11.25	15.18	5.85	375.57
	16:40	4.20	15.45	12.73	6.64	320.97
	17:00	1.83	17.28	5.55	14.90	150.48

Note: Round all calculations to two decimal places.

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Table Headings	UTC	20 min Dose Total	Cumulative Dose	Dose Rate	Time to Criticality	24 hour Projected Total
Units	24 Hour Clock	rems	rems	rem/hr	hours	rems
Calculations	From Data	From Data	C= B+ Previous C	$D = \frac{B}{0.33}$	$E = \frac{100 - C}{D}$	$F = (D \times 24) + C$
For the Mission	15:00	0.24	0.24	0.73	136.66	17.76
	15:20	0.89	1.13	2.70	36.62	65.93
	15:40	1.47	2.60	4.45	21.89	109.40
	16:00	1.35	3.95	4.09	23.48	102.11
	16:20	1.91	5.86	5.79	16.26	144.82
	16:40	2.00	7.86	6.06	15.20	153.30
	17:00	3.45	11.31	10.45	8.49	262.11
	17:20	2.55	13.86	7.73	11.14	199.38
	17:40	1.99	15.85	6.03	13.96	160.57
	18:00	2.04	17.89	6.18	13.29	166.21
	18:20	1.58	19.47	4.79	16.81	134.43
	18:40	1.07	20.54	3.24	24.52	98.30
	19:00	0.24	20.78	0.73	108.52	38.30
	19:20	0.89	21.67	2.70	29.01	86.47

Note: Round all calculations to two decimal places.



Radiation Team – Data Tracking Table



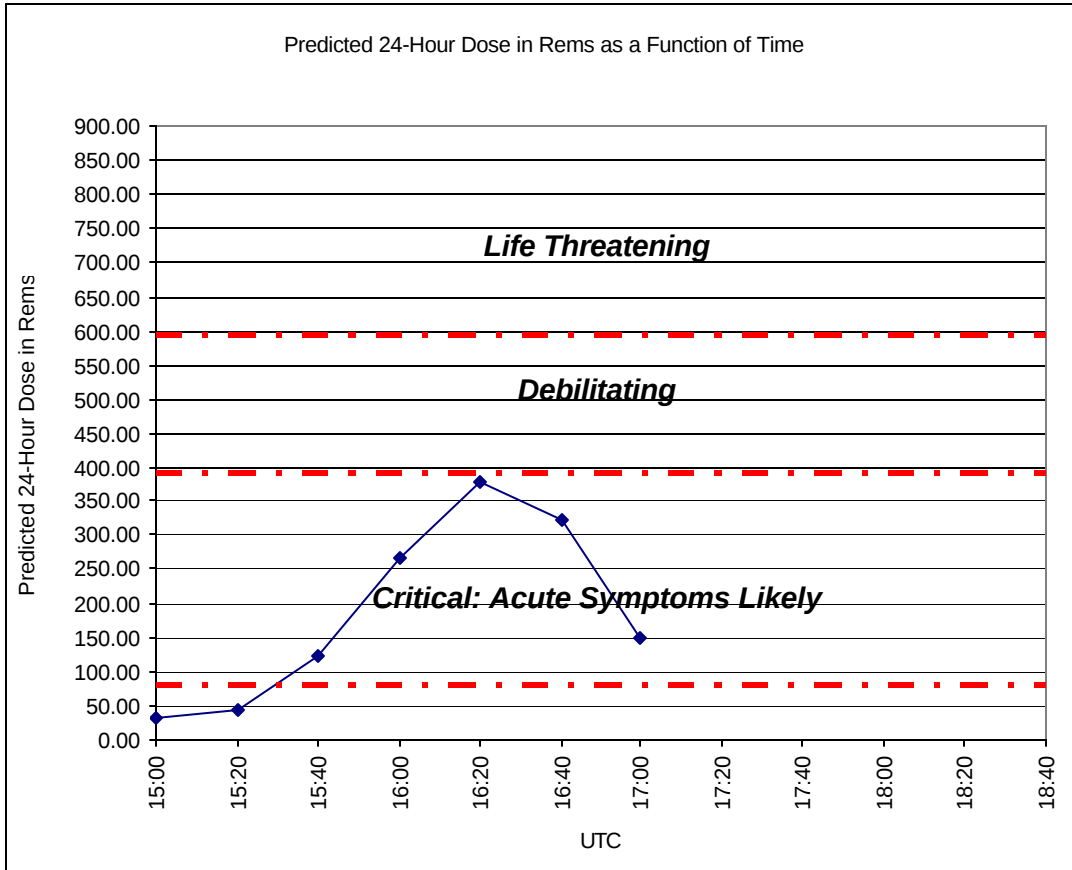
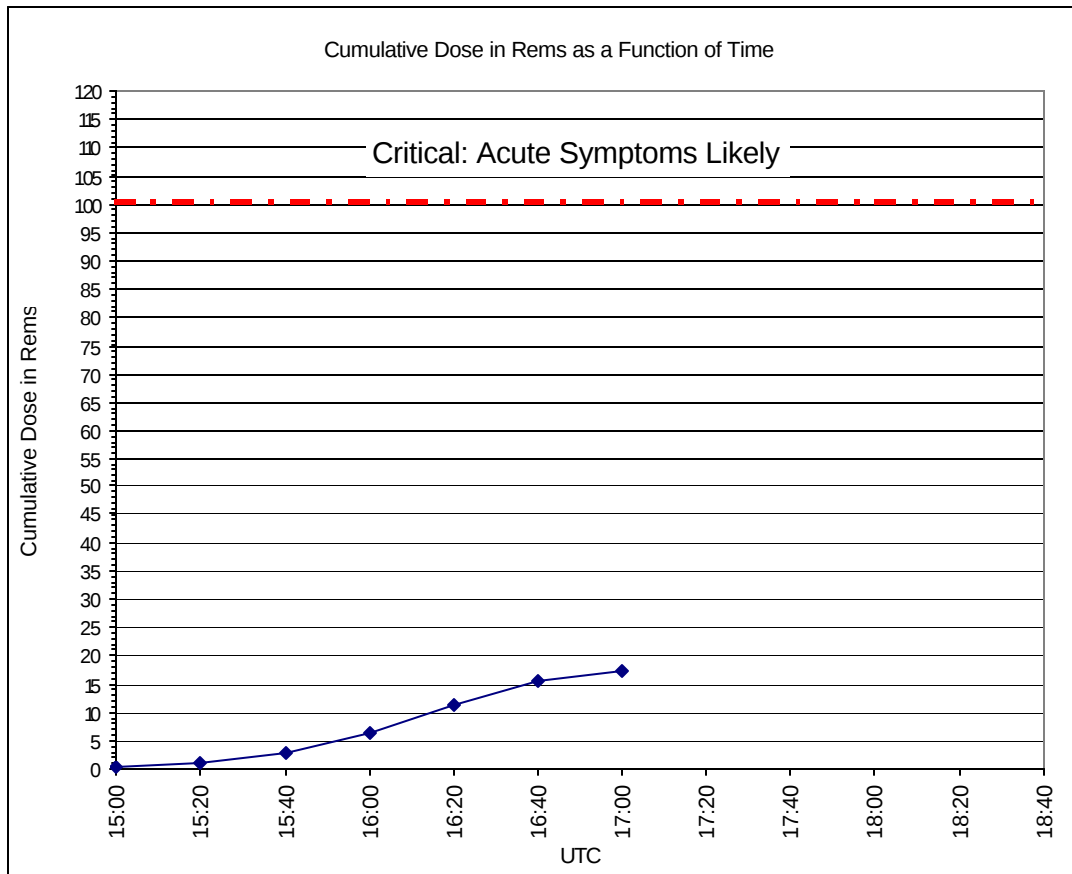
Circle One: **TEPC1 (Portable)** **TEPC2 (Stationary)**

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Table Headings	UTC	20 min Dose Total	Cumulative Dose	Dose Rate	Time to Criticality	24 hour Projected Total
Units	24 Hour Clock	rems	rems	rem/hr	hours	rems
Calculations	From Data	From Data	C = B + Previous C	$D = \frac{B}{0.33}$	$E = \frac{100 - C}{D}$	F = (D X 24) + C
Examples and Practice	15:00	0.43	0.43	1.30	76.59	31.63
	15:20	0.58	1.01	1.76	56.24	43.25
	15:40	1.67	2.68	5.06	19.23	124.12
	16:00	3.56	6.24	10.79	8.69	265.20
	16:20	5.01	11.25	15.18	5.85	375.57
	16:40	4.20	15.45	12.73	6.64	320.97
	17:00	1.83	17.28	5.55	14.90	150.48

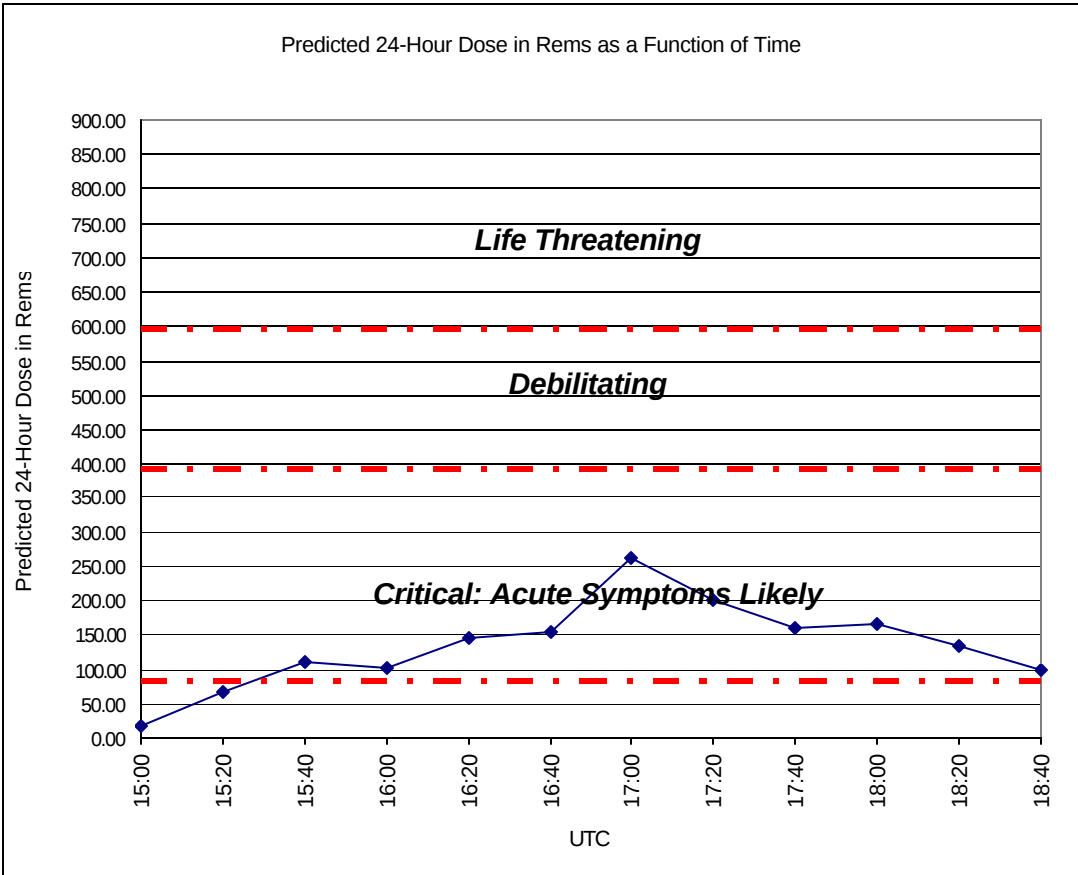
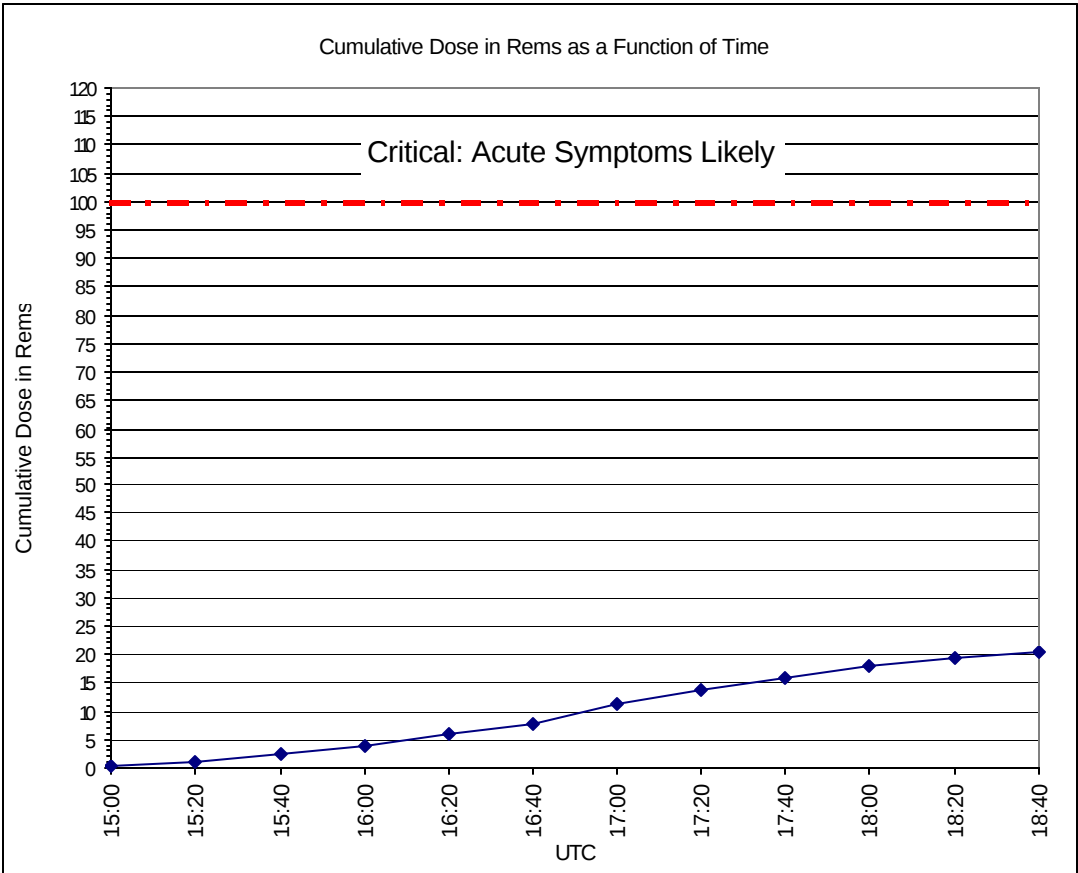
Note: Round all calculations to two decimal places.

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Units	24 Hour Clock	rems	rems	rem/hr	hours	rems
Calculations	From Data	From Data	C = B + Previous C	$D = \frac{B}{0.33}$	$E = \frac{100 - C}{D}$	F = (D X 24) + C
For the Mission	15:00	0.74	0.74	2.24	44.31	54.5
	15:20	0.77	1.51	2.33	42.27	57.43
	15:40	1.52	3.03	4.61	21.03	113.67
	16:00	1.31	4.34	3.97	24.10	99.62
	16:20	6.23	10.57	18.88	4.74	463.69
	16:40	8.96	19.53	27.15	2.96	671.13
	17:00	11.00	30.53	33.33	2.08	830.45
	17:20	11.64	42.17	35.27	1.64	888.65
	17:40	10.64	52.81	32.24	1.46	820.57
	18:00	7.56	60.37	22.91	1.73	610.21
	18:20	5.09	65.46	15.42	2.24	435.54
	18:40	2.94	68.40	8.91	3.55	282.24
	19:00	0.74	69.14	2.24	13.79	122.90
	19:20	0.77	69.91	2.33	12.93	125.83

Note: Round all calculations to two decimal places.



Mission Day TEPC1



Mission Day TEPC2

