



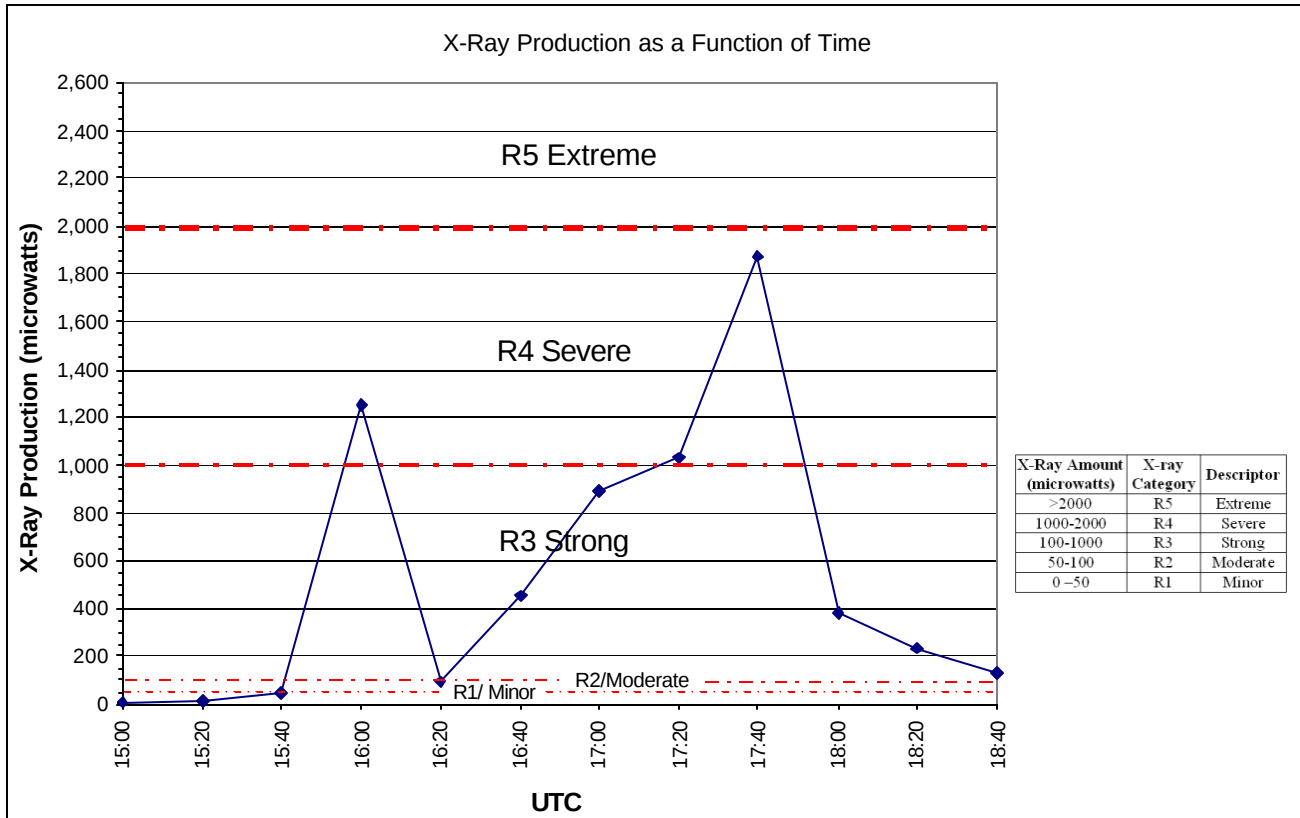
STORM Team – Data Tracking Table: X-Ray Production



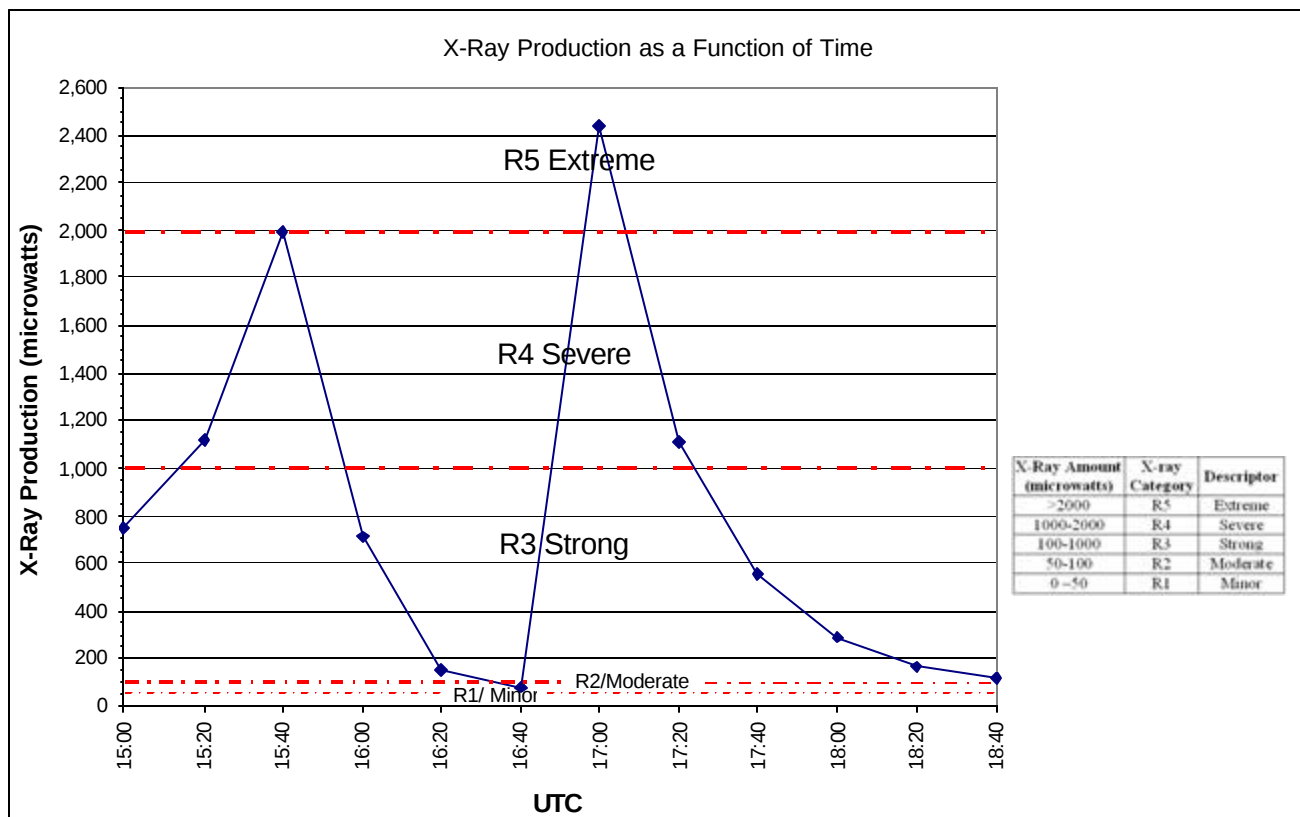
Column	A	B (Graph this column)	C	D	E	F	G
Table Headings	UTC	X-Rays	Category	Change	Rate	Projected X-Ray Production in 1 Hour	Category
Units	24 Hour Clock	Amount of X-Rays	From R1 to R5	Amount of X-Rays	X-Rays/min	X-Ray Production	From R1 to R5
Calculations	From Data	From Data	See Reference Guide	B – Previous B	D / 20 min	(E x 60 min) + B	See Reference Guide
Examples and Practice	15:00	9	R1	n/a	n/a	n/a	n/a
	15:20	16	R1	7	0	16	R1
	15:40	46	R1	30	2	166	R3
	16:00	1250	R4	1204	60	4,850	R5
	16:20	90	R2	-1160	-58	0	R1
	16:40	452	R3	362	18	1,532	R4
	17:00	892	R3	440	22	2,212	R5
	17:20	1029	R4	137	7	1,449	R4
	17:40	1876	R4	847	42	4,396	R5
	18:00	384	R3	-1492	-75	0	R1
	18:20	236	R3	-148	-7	0	R1

Column	A	B (Graph this column)	C	D	E	F	G
Table Headings	UTC	X-Rays	Category	Change	Rate	Projected X-Ray Production in 1 Hour	Category
Units	24 Hour Clock	Amount of X-Rays	From R1 to R5	Amount of X-Rays	X-Rays/min	X-Ray Production	From R1 to R5
Calculations	From Data	From Data	See Reference Guide	B – Previous B	D / 20 min	(E x 60 min) + B	See Reference Guide
For the Mission	15:00	750	R3	n/a	n/a	n/a	n/a
	15:20	1117	R4	367	18	2197	R5
	15:40	1989	R4	872	44	4,629	R5
	16:00	710	R3	-1279	-64	0	R1
	16:20	145	R3	-565	-28	0	R1
	16:40	79	R2	-66	-3	0	R1
	17:00	2439	R5	2360	118	9,519	R5
	17:20	1110	R4	-1329	-66	0	R1
	17:40	554	R3	-556	-28	0	R1
	18:00	288	R3	-266	-13	0	R1
	18:20	163	R3	-125	-6	0	R1
	18:40	121	R3	-42	-2	0	R1

X-Ray Practice



X-Ray Mission





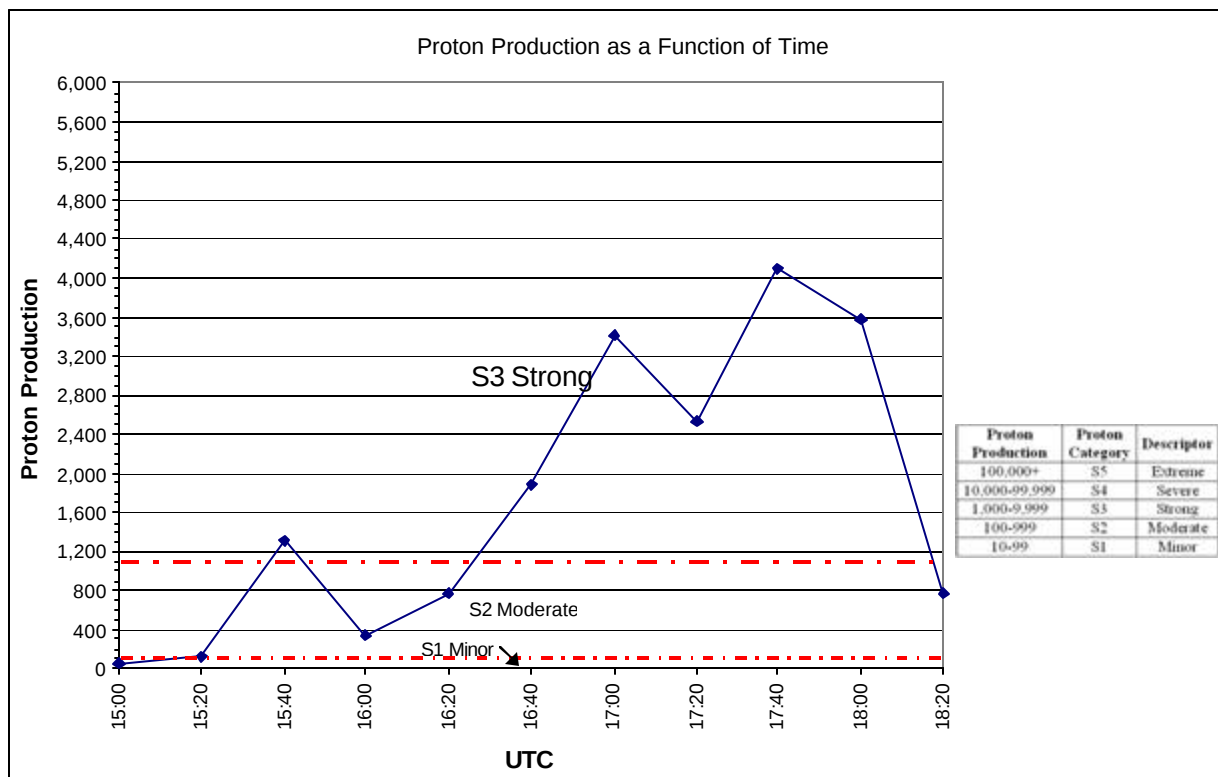
STORM Team – Data Tracking Table: Proton Production



Column	A	B (Graph this column)	C	D	E	F	G
Table Headings	UTC	Protons	Category	Change	Rate	Projected 24 Hour Proton Production	Category
Units	24 Hour Clock	Amount of Protons	From S1 to S5	Amount of Protons	Protons/min	Amount of Protons	From S1 to S5
Calculations	From Data	From Data	See Reference Guide	B – Previous B	D / 20 min	(E x 1440 min) + B	See Reference Guide
Examples and Practice	15:00	45	S1	n/a	n/a	n/a	n/a
	15:20	119	S2	74	4	5,879	S2
	15:40	1,310	S3	1191	60	87,270	S3
	16:00	350	S2	-960	-48	0	S1
	16:20	765	S2	415	21	31,005	S3
	16:40	1,890	S3	1125	56	82,530	S3
	17:00	3,410	S3	1520	76	112,850	S3
	17:20	2,525	S3	-885	-44	0	S1
	17:40	4,100	S3	1575	79	117,860	S3
	18:00	3,575	S3	-525	-26	41,015	S3
	18:20	780	S2	-2795	-140	0	S1

Column	A	B (Graph this column)	C	D	E	F	G
Table Headings	UTC	Protons	Category	Change	Rate	Projected 24 Hour Proton Production	Category
Units	24 Hour Clock	Amount of Protons	From S1 to S5	Amount of Protons	Protons/min	Amount of Protons	From S1 to S5
Calculations	From Data	From Data	See Reference Guide	B – Previous B	D / 20 min	(E x 1440 min) + B	See Reference Guide
For the Mission	15:00	15	S1	n/a	n/a	n/a	n/a
	15:20	213	S2	198	10	14,613	S2
	15:40	1,077	S3	864	43	62,997	S3
	16:00	419	S2	-658	-33	0	S1
	16:20	964	S2	545	27	39,844	S3
	16:40	4,755	S3	3791	190	278,355	S4
	17:00	5,453	S3	698	35	55,853	S3
	17:20	3,358	S3	-2095	-105	0	S1
	17:40	5,200	S3	1842	92	137,680	S4
	18:00	3,000	S3	-2200	-110	0	S1
	18:20	1,510	S3	-1490	-75	0	S1
	18:40	740	S2	-770	-39	0	S1

Proton Practice



Proton Mission

