

X-ray	A	B	C	D	E	F	G	H	I	J
Table Headings	UTC	X-Rays	Category	Descriptor	Change	Rate	Time to Next Critical Level*	Projected X-Ray Flux in 1 Hour	Category	Descriptor
Units	24 Hour Clock	X-Ray Flux	From R1 to R5	From Minor to Extreme	Amount of Protons	Protons/Min	Minutes	X-Ray Flux	From R1 to R5	From Minor to Extreme
Calculations	From Data	From Data	See Reference Guide	See Reference Guide	B-Previous B	B /20 min	$G = \frac{\text{Critical Value} - B}{F}$	(F x 60 min) + B	See Reference Guide	See Reference Guide
Mission	15:00	750	R3	Strong	n/a	38	7	3,000	R5	Extreme
Data	15:20	1,117	R4	Severe	367	56	16	4,468	R5	Extreme
rev.	15:40	1,989	R4	Severe	872	99	0	7,956	R5	Extreme
1/22/03	16:00	1,476	R4	Severe	-513	74	7	5,905	R5	Extreme
	16:20	145	R3	Strong	-1,331	7	118	581	R3	Strong
	16:40	79	R2	Moderate	-66	4	5	317	R3	Strong
	17:00	2,439	R5	Extreme	2,360	122	Critical	9,756	R5	Extreme
	17:20	2,079	R5	Extreme	-360	104	Critical	8,316	R5	Extreme
	17:40	554	R3	Strong	-1,525	28	16	2,216	R5	Extreme
	18:00	288	R3	Strong	-266	14	49	1,152	R4	Severe
	18:20	163	R3	Strong	-124	8	102	654	R3	Strong
	18:40	121	R3	Strong	-43	6	146	483	R3	Strong
	19:00	109	R3	Strong	-12	5	164	434	R3	Strong
	19:20	83	R2	Moderate	-26	4	4	332	R3	Strong
	19:40	61	R2	Moderate	-22	3	13	244	R3	Strong

Proton	A	B	C	D	E	F	G	H	I	J
Table Headings	UTC	Protons	Category	Descriptor	Change	Rate	Time to Next Critical Level*	Projected 24 hour Proton Production	Category	Descriptor
Units	24 Hour Clock	Amount of Protons	From S1 to S5	From Minor to Extreme	Amount of Protons	Protons/Min	Minutes	Amount of Protons	From S1 to S5	From Minor to Extreme
Calculations	From Data	From Data	See Reference Guide	See Reference Guide	B-Previous B	B /20 min	$G = \frac{\text{Critical Value} - B}{F}$	(F x 1440 min) + B	See Reference Guide	See Reference Guide
Mission	15:00	20	S1	Minor	n/a	1	80	1,460	S3	Strong
Data	15:20	213	S2	Moderate	193	11	74	15,549	S4	Severe
rev.	15:40	1,077	S3	Strong	864	54	166	78,621	S4	Severe
1/22/03	16:00	419	S2	Moderate	-658	21	33 (N/A)	30,583	S4	Severe
	16:20	964	S2	Moderate	545	48	1	70,390	S4	Severe
	16:40	4,755	S3	Strong	3,791	238	22	347,097	S5	Extreme
	17:00	5,453	S3	Strong	698	273	17	398,069	S5	Extreme
	17:20	3,358	S3	Strong	-2,095	168	27 (N/A)	245,152	S5	Extreme
	17:40	4,535	S3	Strong	1,177	227	24	331,077	S5	Extreme
	18:00	4,662	S3	Strong	126	233	23	340,300	S5	Extreme
	18:20	4,615	S3	Strong	-47	231	31 (N/A)	336,902	S5	Extreme
	18:40	2,873	S3	Strong	-1,742	144	34 (N/A)	209,714	S5	Extreme
	19:00	1,496	S3	Strong	-1,377	75	38 (N/A)	109,226	S5	Extreme
	19:20	998	S2	Moderate	-499	50	2 (N/A)	72,818	S4	Severe
	19:40	918	S2	Moderate	-80	46	4 (N/A)	66,992	S4	Severe

STORM Team - Mission Data



