

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
Practice	15:00	9	R1	Minor	n/a	0	91	36	R1	Minor
Data	15:20	16	R1	Minor	7	1	43	64	R2	Moderate
rev.	15:40	46	R1	Minor	30	2	2	184	R3	Strong
1/22/03	16:00	65	R2	Moderate	19	3	11	260	R3	Strong
	16:20	90	R2	Moderate	25	5	2	360	R3	Strong
	16:40	452	R3	Strong	362	23	24	1,808	R4	Severe
	17:00	892	R3	Strong	440	45	2	3,568	R5	Extreme
	17:20	1,029	R4	Severe	137	51	19	4,116	R5	Extreme
	17:40	1,876	R4	Severe	847	94	1	7,504	R5	Extreme
	18:00	384	R3	Strong	-1,492	19	32	1,536	R4	Severe
	18:20	236	R3	Strong	-148	12	65	944	R3	Strong
	18:40	134	R3	Strong	-102	7	129	536	R3	Strong
	19:00	89	R2	Moderate	-45	4	2	356	R3	Strong
	19:20	288	R3	Strong	199	14	49	1,152	R4	Severe
	19:40	541	R3	Strong	253	27	17	2,164	R5	Extreme
	20:00	79	R2	Moderate	-462	4	5	316	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= Critical Value – B F	(F x 1440 min) + B	See Reference Guide	See Reference Guide
Practice	15:00	45	S1	Minor	n/a	2	24	3,285	S3	Strong
Data	15:20	119	S2	Moderate	74	6	148	8,687	S3	Strong
rev.	15:40	105	S2	Moderate	-14	5	128 (N/A)	7,665	S3	Strong
1/22/03	16:00	350	S2	Moderate	245	18	37	25,550	S4	Severe
	16:20	765	S2	Moderate	415	38	6	55,845	S4	Severe
	16:40	1,890	S3	Strong	1,125	95	86	137,970	S5	Extreme
	17:00	3,410	S3	Strong	1,520	171	39	248,930	S5	Extreme
	17:20	2,525	S3	Strong	-885	126	44 (N/A)	184,325	S5	Extreme
	17:40	4,100	S3	Strong	1,575	205	29	299,300	S5	Extreme
	18:00	3,575	S3	Strong	-525	179	27 (N/A)	260,975	S5	Extreme
	18:20	780	S2	Moderate	-2,795	39	4 (N/A)	56,940	S4	Severe
	18:40	725	S2	Moderate	-55	36	6 (N/A)	52,925	S4	Severe
	19:00	315	S2	Moderate	-410	16	33 (N/A)	22,995	S4	Severe
	19:20	810	S2	Moderate	495	41	5	59,130	S4	Severe
	19:40	160	S2	Moderate	-650	8	76 (N/A)	11,680	S4	Severe
	20:00	10	S1	Minor	-150	1	90 (N/A)	730	S2	Moderate

STORM Team - Practice Data



