

NNNN0400

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KMSC

HAUS BOU 270400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 823A ISSUED 0400Z 27 NOV 1970

ONLY SPORADIC MINOR ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. A PROBABLE SMALL CLASS M FLARE AT 26/2103Z WAS DETECTED BY ITS IONOSPHERIC EFFECTS BUT NO OPTICAL EVENT WAS OBSERVED DUE TO WEATHER. THE NE LIMB REGIONS ARE THE DISK FEATURES OF INTEREST. AN APPARENTLY SIMPLE BIPOLAR D-TYPE SPOT GROUP IS LOCATED NEAR N18E71. THE ASSOCIATED PLAGE HAS CLEARED THE LIMB, BUT SURGES NEAR N20 EL SUGGEST THAT ANOTHER REGION IS APPROACHING THE LIMB. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. NO CHANGE FROM SDF 822B.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 NOV/0400Z ENDING 30 NOV/0400Z.

CLASS M OR GREATER 25/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 26/1700Z WAS 132.

SOLTERWARN

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HAUS BOU 271802

CORRECTION

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 823B ISSUED 1700Z 27 NOV 1970

AT MOST ONE THRESHOLD M EVENT PER 24-HOUR PERIOD IS EXPECTED.

A. OVERCAST SKIES CONTINUE TO HAMPER H-ALPHA PATROL. IN GENERAL THE NINE SMALL REGIONS THAT DOT THAT DISK ARE SIMPLE STRUCTURED IN WHITE LIGHT. THREE OF THESE SPOT GROUPS ARE EITHER ON OR JUST INSIDE THE NE LIMB. OF THE THREE A WELL DEFINED FILAMENT APPARENTLY CONNECTS TWO OF THEM, NAMELY THOSE NEAR N17E65 AND N21E83; A THIRD GROUP IS VISIBLE NEARBY AT N14E79. THE MINOR SURGE ACTIVITY, 9.1 CM RADIO BRIGHTNESS TEMPERATURE CONTOURS, AND LACK OF PIONEER 7 SOLAR COSMIC RAY DATA COMBINE TO GIVE A SOMEWHAT AMBIGUOUS PICTURE AS TO THE POSSIBLE STAGES OF DEVELOPMENT IN WHICH THE NE REGIONS LIE. QUIET CONDITIONS CHARACTERIZE THE GEOMAGNETIC FIELD.

B. A WAIT-AND-SEE ATTITUDE HAS BEEN ADOPTED WITH RESPECT TO THE THREE NE LIMB FEATURES. NO DRAMATIC ~~USE~~ <sup>USE</sup> IN OVERALL ACTIVITY IS EXPECTED, IF AT ALL, FOR AT LEAST TWO DAYS. THE FREDERICKSBURG A-INDEX SHOULD REMAIN UNDER 10 DURING THE FORECAST PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 NOV/1700Z ENDING 30 NOV/1700Z.

CLASS M OR GREATER 25/30/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 27/1400Z WAS 138. PREDICTED

10.7 CM FLUX FOR 28-30 NOV IS 135/136/142.

E. MAGNETIC A-FREDERICKSBURG FOR 26 NOV WAS 07. FOR 27 NOV ABOUT 09. PREDICTED AP FOR 28-30 NOV, 02/04/04.

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