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KMSC

HAUS BOU 280400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 551A ISSUED 0400Z 28 FEBRUARY 1970

CLASS C FLARES ARE EXPECTED AND INFREQUENT CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. NUMEROUS NON ENERGETIC FLARES HAVE BEEN OBSERVED FROM SEVERAL REGIONS DURING THE PAST 11 HOURS. TWO CLASS M EVENTS HAVE BEEN OBSERVED 27/1907Z AND 27/2318Z, THE FIRST WAS A SUBFLARE AND THE SECOND ONE BRIGHT. THE 27/2318Z FLARE WAS ACCOMPANIED BY MAJOR RADIO BURST, CLASS 3 SWF AND CLASS 3 SPA. THE EFFECTS WERE SHORT LIVED. BOTH OF THE CLASS M EVENTS WERE FROM REGION N08E69 WHICH IS JUST COMPLETING ITS LIMB TRANSIT. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. THE REGION N08E69 WILL PROBABLY PRODUCE MORE CLASS M EVENTS DURING THE NEXT 24 HOURS. THE GEOMAGNETIC FIELD WILL REMAIN DISTURBED DURING THIS FORECAST PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 FEB/0400Z ENDING 03 MAR/0400Z

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX 27/1700Z AND 2000Z WERE 180 AND 183 RESPECTIVELY.

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HAUS BOU 281743Z C O R R E C T I O N

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 551B ISSUED 1700Z 28 FEBRUARY 1970

CLASS M FLARES ARE PROBABLE IN THE NEXT 11 HOURS.

A. ALTHOUGH OBSERVATORY REPORTS ARE SKETCHY DUE TO WEATHER, A TENTATIVE DESCRIPTION OF THE INTERESTING DISK FEATURES MAY BE CONSTRUCTED. IN THE REGION AT N16W22, THE MAJOR LEADING PENUMBRAE APPEAR CONSOLIDATING AND RING STRUCTURE APPEARS IN THE MAIN TRAILING PENUMBRA. SUCH DEVELOPMENT SUGGESTS REGENERATION OF THE MAGNETIC DELTA CONFIGURATION. FLARE ACTIVITY IN THIS REGION HAS BEEN OF CLASS C ENERGY /AS AT 0455Z, 0821Z AND 1119Z/ WITH MINOR IONOSPHERIC EFFECTS. MAJOR GROWTH IS REPORTED IN THE REGION AT N07E60, WHERE TWO PROXIMATE BIPOLAR PAIRS ARE INFERRED. THE LEADER OF ONE APPEARS JOINED WITH THE TRAILER OF THE OTHER WITHIN A COMMON PENUMBRA THIS MORNING, LEADING TO AN INFERRED DELTA CONFIGURATION. FLARE ACTIVITY FROM THIS REGION HAS BEEN ENERGETIC. THE IMPORTANCE 1B BEGINNING 27/2318Z IS TENTATIVELY EVALUATED AS A CLASS X. ANOTHER FLARE, BEGINNING 28/1258Z WAS A CLASS M /SB/. ON THE SOUTHEAST LIMB, LOOPS ARE REPORTED AT S10-20EL, WHERE TWO RETURNING ACTIVE CENTERS ARE EXPECTED. THE GEOMAGNETIC FIELD IS DISTURBED, AND PROTON FLUXES AT ATS-1 ARE NEAR BACKGROUND.

B. CLASS M FLARES ARE PROBABLE FROM N07E60, AND FURTHER DEVELOPMENT WOULD LEAD TO EXPECTATION OF ADDITIONAL CLASS X FLARES. CLASS M FLARES ARE PROBABLE FROM N16W22 REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 FEB/1700Z ENDING 03 MAR/1700Z.

CLASS M OR GREATER 80/80/80

CLASS X 15/20/15

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 175. PREDICTED 170/165/162.

E. MAGNETIC A-FREDERICKSBURG FOR 27 FEB WAS 06. FOR 28 FEB ABOUT 12. PREDICTED AP FOR 01-03 MARCH, 10/08/06.

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