

KMSC

HAUS BOU 080400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 620A ISSUED 0400Z 08 MAY 1970

SMALL, ENERGETIC FLARES (CLASS M) ARE CONSIDERED LIKELY FROM THE REGION NEAR N14E25.

A. NO SUFFICIENTLY "HARD" X-RAY EVENTS WERE RECORDED DURING THE PAST 24 HOURS. MUCH OF THE BACKGROUND LEVEL ACTIVITY HAS STEMMED FROM THE TWO NE REGIONS, HOWEVER, BOTH THE FREQUENCY OF FLARES AND LINE-OF-SIGHT FILAMENT MOTIONS NOTED EARLIER HAVE DIMINISHED. IN TERMS OF PHOTOSPHERIC STRUCTURE, MAGNETIC COMPLEXITY, AND BRIGHTNESS AND EXTENT OF HYDROGEN PLAGE, THESE TWO REGIONS TAKEN TOGETHER DO DEFINITELY DOMINATE THE DISK. THE SLIGHTLY ENHANCED SATELLITE PROTON COUNTING RATES MENTIONED YESTERDAY HAVE DECAYED. QUIET CONDITIONS ALSO PREVAIL WITH RESPECT TO THE GEOMAGNETIC FIELD.

B. MUCH OF THE CHROMOSPHERIC FACULAE ASSOCIATED WITH THE N16E19 AND N14E25 REGIONS LIES SOMEWHAT EAST OF THE LATTER GROUP, I.E. SIGNIFICANTLY REMOVED FROM THE STRONG MAGNETIC FIELDS. A LARGE FLARE MIGHT WELL OCCUR THERE, BUT IT IS DOUBTFUL THAT SUCH ACTIVITY WOULD BE GEOPHYSICALLY SIGNIFICANT. THE N14E25 CENTER IS EXPECTED TO PRODUCE OF THE ORDER OF ONE OR TWO M FLARES EVERY 24 HOURS FOR THE NEXT 2 OR 3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 MAY/0400Z ENDING 11 MAY/0400Z.

CLASS M OR GREATER 70/60/50

CLASS X 15/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUXES FOR 07/1700 AND 2000Z WERE 161 AND 160 RESPECTIVELY.

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HAUS BOU 081700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 620B ISSUED 1700Z 08 MAY 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. A CLASS M FLARE, OPTICAL IMPORTANCE 1B/2B, WAS OBSERVED AT 08/0655Z AT N14E26. THIS FLARE CONSISTED OF A GROUP OF SCATTERED POINTS AND PRODUCED ONLY MINOR RADIO BURST AND IONOSPHERIC EFFECTS, I.E. 16 F.U. SIMPLE RADIO BURST AT 10CM AND AN IMPORTANCE ONE SPA. THIS REGION APPEARS MORE DIFFUSE IN TERMS OF H-ALPHA STRUCTURE THAN 24 HOURS AGE. IN WHITE LIGHT, THIS REGION HAS ADDED MINOR SATELLITE SPOTS AROUND THE LEADER. A NEW H-TYPE SPOT, AREA 200 MILLIONTHS, IS LOCATED AT N21E37. THE REMAINING REGIONS ARE UNCHANGED. A FORBUSH DECREASE OF 3 PERCENT OCCURRED FROM 08/0200Z TO 08/0700Z. HOWEVER, THE GEOMAGNETIC FIELD IS QUIET. ATS-1 SATELLITE PROTON FLUXES ARE AT BACKGROUND.

B. CLASS M FLARES ARE EXPECTED TO OCCUR FROM THE N16E13 REGION DURING THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08/1700Z ENDING 11/1700Z.

CLASS M OR GREATER 70/70/70

CLASS X 15/15/15

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 153. PREDICTED 147/142/142.

E. MAGNETIC A-FREDERICKSBURG FOR 07 MAY WAS 08. FOR 08 MAY ABOUT 03. PREDICTED AP FOR 09-11 MAY, 08/08/06.

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