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KMSC

HAUS BOU 170400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 629A ISSUED 0400Z 17 MAY 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. FLARE ACTIVITY HAS CONTINUED AT A MODERATE LEVEL DURING THE PAST 11 HOURS. THE ENERGETIC ACTIVITY HAS DECLINED DURING THE PAST 24 HOURS WITH ONLY A VERY FEW CLASS M FLARES OBSERVED. THE REGION S09W31 HAS SHOWN SOME DECLINE IN STRUCTURE BUT IS STILL BRIGHTEST REGION ON THE DISK. THIS REGION TOGETHER WITH N17E28 ARE BOTH CLASSIFIED BY MT. WILSON AS BEING DELTA CONFIGURATIONS. THE REST OF THE DISK IS QUIET. THE GEOMAGNETIC FIELD IS SHOWING PERIODS OF MINOR DISTURBANCE.

B. THE REGIONS S09W31 AND N17E28 ARE BOTH EXPECTED TO PRODUCE CLASS M FLARES DURING THE NEXT 13 HOURS. THE GEOMAGNETIC FIELD WILL CONTINUE ITS PRESENT TREND DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 MAY/0400Z ENDING 20 MAY/0400Z

CLASS M OR GREATER 80/80/80

CLASS X 20/20/20

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 16/1700Z AND 2000Z WERE 200 AND 205 RESPECTIVELY.

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HAUS BOU 171700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 629B ISSUED 1700Z 17 MAY 1970

ONE OR TWO CLASS M FLARES ARE EXPECTED IN THE NEXT 11 HOURS.

A. A CLASS M FLARE WAS DETECTED AT 170410, LOCATION S09W38. IT WAS OPTICALLY CLASSIFIED AS A 1B BY ATHENS AND A SB BY MANILA. ONLY MINOR RADIO BURSTS AND IONOSPHERIC EFFECTS WERE ASSOCIATED WITH THIS FLARE. THE S09W40 AND N17E09 REGIONS HAVE SHOWN LITTLE STRUCTURAL CHANGE IN THE PAST 24 HOURS YET REMAIN THE ONLY POTENTIAL CENTERS OF ENERGETIC FLARES. TWO NEW SPOT GROUPS APPEARED YESTERDAY, LOCATION S15W36, D TYPE, AND S10E25, A TYPE. THE S10E25 REGION HAS BRIGHT COMPACT PLAGE ASSOCIATED WITH IT. ACTIVE FILAMENTS CHARACTERIZE THE N16E65 D TYPE REGION.

B. SAME AS FORECAST 629A.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 MAY/1700Z ENDING 20 MAY/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 20/20/20

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY AT 1400Z 198.6 PREDICTED 195/195/195.

E. MAGNETIC A-FREDERICKSBURG FOR 16 MAY WAS 06. FOR 17 MAY ABOUT 14 PREDICTED AP FOR 18-20 MAY, 15/15/10.

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