

NNNN0400

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KMSC

HAUS BOU 270400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 579A ISSUED 0400Z 27 MARCH 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL. CLASS M FLARES WERE OBSERVED 26/1457Z /IMP SN/ AT N08W25, 26/1712Z /IMP SB/ AT N08W25 AND 26/2004Z /IMP IB/ AT N05E65. THESE TWO REGIONS ARE STILL THE GREATEST PRODUCERS OF FLARES. THE REST OF THE DISK IS RELATIVELY QUIET. ATS-1 SATELLITE READOUTS INDICATE THE PROTON ENHANCEMENT CONTINUES AT SAME LEVEL AS REPORTED IN SDF 578B. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. THE SOLAR ACTIVITY IS EXPECTED TO CONTINUE WITH CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE. A MINOR MAGNETIC DISTURBANCE IS EXPECTED TO START DURING THE NEXT 24 HOURS.

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

CLASS M OR GREATER 90/90/90

CLASS X 30/30/30

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 26/1700Z WAS 170. NO 26/2000Z

AVAILABLE BECAUSE OF RADIO BURST.

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HAUS BOU 271705Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 579B ISSUED 1700Z 27 MARCH 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A MODERATE LEVEL. NUMEROUS CLASS C FLARES HAVE BEEN OBSERVED SINCE THE PREVIOUS FORECAST REPORT. THE MOST SIGNIFICANT OF THESE FLARES WAS AN IMPORTANCE SN AT 0213Z FROM THE REGION AT N18W31; THIS FLARE ALMOST REACHED CLASS M X-RAY INTENSITY. THE PRESENT SITES OF ACTIVITY ARE THE REGIONS CENTERED AROUND N17W36, N14W13, AND N05E56. THE ATS-1 PROTON COUNTING RATES ARE SOMEWHAT LOWER THAN REPORTED IN SDF 578B. A MODERATE MAGNETIC DISTURBANCE BEGAN WITH A SUDDEN COMMENCEMENT AT 0657Z; THE GEOMAGNETIC FIELD IS STILL SOMEWHAT DISTURBED. THE IMPORTANCE 1B FLARE AT 26/2004Z FROM THE REGION AT N05E65 ATTAINED X CLASSIFICATION, AS INDICATED BY SOLRAD X-RAY DATA.

B. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A MODERATE LEVEL WITH CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE. THE REGION AT N05E57 WILL BE THE MOST ACTIVE. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN DISTURBED FOR ANOTHER 24 HOURS.

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

CLASS M OR GREATER 90/90/90

CLASS X 30/30/30

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 164. PREDICTED 165/168/170.

E. MAGNETIC A-FREDERICKSBURG FOR 26 MAR WAS 05. FOR 27 MAR ABOUT 10. PREDICTED AP FOR 27-29 MAR, 20/15/10.

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