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KMSC

HAUS BOU 280400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 579A ISSUED 0400Z 28 MARCH 1970

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

A. SOLAR ACTIVITY HAS DECREASED DURING THE PAST 24 HOURS. THE REGION N14W21 WHICH HAS PRODUCED THE GREATEST NUMBER OF FLARES IS DECREASING IN ALL PARAMETERS. ONLY CLASS C ACTIVITY HAS BEEN OBSERVED IN THE LAST 24 HOURS. VERY FEW OF THESE FLARES HAVE BEEN ENERGETIC, MOSTLY OPTICAL FLARES. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED FOLLOWING THE SUDDEN COMMENCEMENT 27/0657Z.

B. CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED FROM THE REGION N14W21. THE MAGNETIC DISTURBANCE IS EXPECTED TO CONTINUE DURING THE NEXT 13 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 MAR/0400Z ENDING 31 MAR/0400Z

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX 27/1700Z AND 2000Z WERE 160 AND 159 RESPECTIVELY.

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HAUS BOU 281728Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 579B ISSUED 1700Z 28 MARCH 1970

CLASS C FLARES ARE PROBABLE IN THE NEXT 11 HOURS.

A. REGENERATION IS APPARENT IN THE N14W32 REGION AS SEEN IN WHITE LIGHT. THE REGION APPEARS DEVELOPING TOWARD A SIMPLER BIPOLAR ORGANIZATION, DESPITE PENUMBRA GROWTH IN THE FOLLOWER. GROWTH IS APPARENT IN THE N04E43 REGION, WHERE MANY SMALL SPOTS HAVE BROKEN THROUGH NW OF THE MAJOR PENUMBRA. LIMB ACTIVITY IS APPARENT AT S10E1 WHERE A RETURNING REGION IS EXPECTED. THE MINOR MAGNETIC STORM WITH SC 26/0657Z CONTINUES, ALTHOUGH MAGNETOMETERS AT HIGH LATITUDES APPEAR CONSIDERABLY MORE DISTURBED THAN AT MIDDLE LATITUDES. PROTON FLUXES OBSERVED BY ATS-1 IN THE 5-21 MEV RANGE ARE STILL SOMEWHAT ENHANCED (APPROXIMATELY EIGHT TIMES QUIET BACKGROUND).

B. CLASS M FLARES, AT A MODERATE RATE, MAY BE EXPECTED FROM N14W32 REGION. FLARE PRODUCTION FROM THIS REGION IS EXPECTED TO DIMINISH AFTER 48 HOURS. MAGNETIC DISTURBANCE EXPECTED TO CONTINUE FOR ANOTHER 40 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 MAR/1700Z ENDING 31 MAR/1700Z.

CLASS M OR GREATER 50/40/40

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 152. PREDICTED 145/138/135.

E. MAGNETIC A-FREDERICKSBURG FOR 27 MARCH WAS 13. FOR 28 MARCH ABOUT 15. PREDICTED AP FOR 29-31 MARCH, 18/20/12.

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