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KMSC

HAUS BOU 110400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 623A ISSUED 0400Z 11 MAY 1970

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL DURING THE PAST 11 HOURS.

THE REGIONS ON THE DISK ARE ALL STABLE AND SIMPLE MAGNETICALLY.

SEVERAL NEW REGIONS HAVE APPEARED BUT ARE NOT SHOWING ANY RAPID

GROWTH. THE GEOMAGNETIC FIELD IS VERY QUIET.

B. CLASS C ACTIVITY IS EXPECTED TO CONTINUE AT ITS PRESENT LEVEL

DURING THE NEXT 13 HOURS. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR

PERIODS BEGINNING 11 MAY/0400Z ENDING 14 MAY/0400Z

CLASS M OR GREATER 40/40/40

CLASS X 02/02/02

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 10/1700Z AND 2000Z WERE 160 AND 161

RESPECTIVELY.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 623B ISSUED 1700Z 11 MAY 1970

CLASS C FLARES ARE EXPECTED ALONG WITH AN OCCASIONAL M EVENT

A. A CLASS M FLARE WAS DETECTED BY SATELLITE AT 10/2259Z AND THE ONLY OPTICAL EVENT NEAR THIS TIME WAS A BSL AT 2313Z, LOCATION NE20. A IN FLARE WAS OBSERVED TO BEGIN AT 11/1354Z, LOCATION N13W24. THIS FLARE OCCURRED NEAR THE LEADER ALONG THE NEUTRAL LINE WHERE AN ACTIVE FILAMENT WAS PRESENT. THE UMBRA IN THE LEADER SPOT HAS SHOWN SOME CLOCKWISE ROTATION BUT NO GROWTH IS APPARENT. MAGNETICALLY THE TWO REGIONS OF THIS COMPLEX APPEAR AS ONE BIPOLAR REGION. THE EAST LIMB IS SHOWING INCREASED ACTIVITY IN THE FORM OF BSLS AND A IN FLARE REPORTED AT 0603Z, LOCATION N18E90. THE BIPOLAR REGION LOCATED NEAR N16E LIMB HAS A LARGE TRAILER AND LOOKS CAPABLE OF PRODUCING AN OCCASIONAL ENERGETIC EVENT. THE TWO REGIONS NEAR N02E55 AND S08E41 ARE EVOLVING SHOWING MORE CHROMOSPHERICALLY THAN IN SPOT COMPLEXITY. PRESENTLY, HOWEVER, ONLY SMALL FLARES ARE EXPECTED FROM THESE REGIONS.

B. M FLARE ACTIVITY IS EXPECTED TO BE CONFINED TO N17W29 AND N17E88. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 11 MAY/1700Z ENDING 13 MAY/1700Z.

CLASS M OR GREATER 50/50/50

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7CM FLUX 1400Z WAS 176. PREDICTED 168/173/175.

E. MAGNETIC A-FREDERICKSBURG FOR 10 MAY WAS 0. FOR 11 MAY ABOUT 02. PREDICTED AP FOR 12-14 MAY 03/03/05.

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