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HFUS BOU 290500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 180A ISSUED 0500Z 29 JUNE 1971

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS INCREASED DURING THE PAST 24 HOURS BUT ONLY CLASS C FLARES HAVE BEEN OBSERVED. THE REGIONS S13E62, N16W03 AND N10W49 HAVE PRODUCED MOST OF THE ACTIVITY. THE REGION S13E62 HAS SHOWN THE MOST GROWTH AND DEVELOPMENT. THE GEOMAGNETIC FIELD HAS BEEN QUIET WITH SHORT PERIODS OF MINOR DISTURBANCE.

B. CLASS C FLARES AND AN OCCASIONAL SMALL CLASS M FLARE FROM THE REGIONS S13E62, N16W03 AND N10W49 IS THE GENERAL ORDER TO BE EXPECTED. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 JUNE/0000Z ENDING 01 JULY/2400Z

CLASS M OR GREATER 70/70/70

CLASS X 05/05/05

PROTON EVENTS 02/02/02

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HFUS BOU 292230

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 180B ISSUED 2200Z 29 JUNE 1971

CLASS C FLARES ARE EXPECTED WITH AN OCCASIONAL M FLARE DURING THE NEXT 24 HOURS.

A. DURING THE LAST 17 HOURS FLARES HAVE BEEN OBSERVED AT THE RATE OF APPROXIMATELY 1 PER HOUR. THE REGION AT N16W18 PRODUCED AN M1 AT 29/1231Z, WHICH WAS THE MOST ENERGETIC EVENT OF THE DAY. THE REGION AT N08E27 HAS DISPLAYED GROWTH JUST WITHIN THE LAST FEW HOURS, AND APPEARS TO BE RE-EMERGING AFTER ONE OR TWO DAYS OF INACTIVITY. AN ATYPICAL CONFIGURATION IS APPARENT IN REGION 145 (S06E36), NAMELY, WHAT APPEAR TO BE LEADER AND FOLLOWER OF ONE GROUP ARE OF THE SAME MAGNETIC POLARITY.

B. PROPER MOTION BETWEEN LEADER OF GROUP AT S10E51, AND THE FOLLOWER OF S13E48 MAY PRODUCE FLARES MORE ENERGETIC THAN M2 IN THE NEXT 48-72 HOURS. THE GEOMAGNETIC FIELD HAS CONTINUED TO BE UNSETLED AND IS EXPECTED TO REMAIN SLIGHTLY PERTURBED FOR THE NEXT 48-72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30 JUNE/0000Z ENDING 02 JULY/2400Z

CLASS M OR GREATER 70/70/70

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 29/1400Z, 29/1700Z AND 29/2000Z WERE 133, 137 AND 135 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 30 JUNE-02 JULY IS 135/133/135.

E. MAGNETIC A-FREDERICKSBURG FOR 28 JUNE WAS 08. FOR 29 JUNE ABOUT 20. PREDICTED AP FOR 30 JUNE-02 JULY IS 15/12/09.

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