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HFUS BOU 110500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 223A ISSUED 0500Z 11 AUGUST 1971

OCCASIONAL CLASS C SUBFLARES EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. AN H-TYPE SPOT NEAR N13E84, NUMBERED 221, IS PROBABLY THE RETURN OF LD REGION 176. A NEW C-TYPE SPOT GROUP, NUMBERED 220, HAS EMERGED IN A SMALL PLAGUE NEAR N20E34. THE GEOMAGNETIC FIELD BECAME ACTIVE AT 11/0200Z WITH A 90 GAMMA DEVIATION IN THE DECLINATION AT BOULDER BETWEEN 11/0300Z AND 11/0340Z. THE HORIZONTAL COMPONENT IS ONLY MILDLY UNSETTLED.

B. OCCASIONAL SUBFLARES EXPECTED DURING THE NEXT 72 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNSETTLED.

I. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 11 AUG/0000Z ENDING 13 AUG/2400Z  
CLASS M OR GREATER 20/15/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 223B ISSUED 2200Z 11 AUG 1971

CLASS C FLARES EXPECTED NEXT 24 HOURS.

A. A CLASS C5 FLARE REPORTED AS SN TO 1B, BEGINNING AT 1429Z IN REGION 215 /S11E26/ HAS BEEN THE MOST ENERGETIC EVENT THE PAST 24 HOURS. NO SIGNIFICANT DEVELOPMENT HAS BEEN REPORTED ON THE SUN AND THE MOST INTERESTING REGIONS SHOW SIGNS OF DECLINING. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING NIGHTIME PERIODS WITH MIDLATITUDE K VALUES REACHING 4 OR 5.

B. CONTINUED CLASS C FLARE ACTIVITY IS EXPECTED PRIMARILY FROM REGION 215. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNSETLED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12/0000Z ENDING 14/2400Z.

CLASS M OR GREATER 20/20/20

CLASS X 01/01/01

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUXES FOR 11/1400Z, 11/1700Z AND 11/2000Z WERE 104, 102 AND 101 RESPECTIVELY.

PREDICTED 10.7CM FLUX FOR 12-15 AUG IS 100/100/100.

E. MAGNETIC A-FREDERICKSBURG FOR 10 AUG WAS 15. FOR 11 AUG ABOUT 12. PREDICTED AP FOR 12-14 AUG IS 10/10/08.

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