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HFUS BOU 140500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 226A ISSUED 0500Z 14 AUGUST 1971

OCCASIONAL CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. DURING THE PAST SEVEN HOURS, SOLAR ACTIVITY HAS DROPPED TO A VERY LOW LEVEL. NO FLARES HAVE BEEN REPORTED. OCCASIONAL FLUCTUATIONS HAVE BEEN OBSERVED IN THE RELATIVELY BRIGHT PLAGE OF REGION 222 (S06W62). REGION 224 (N13W01) HAS GROWN AND NOW CONTAINS A SMALL BIPOLAR SPOT GROUP. A NEW REGION, NUMBER 228, IS PRESENT AT N13E80 AND CONTAINS TWO SPOTS WITH A TOTAL AREA OF ABOUT 150 MILLIONTHS OF THE DISK.

REGION 228 HAS PRODUCED MINOR SURGES BUT PRESENTLY APPEARS RELATIVELY UNIMPRESSIVE. OTHER DISK FEATURES ARE STABLE OR DECLINING. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST SEVEN HOURS.

B. SOLAR ACTIVITY PROBABLY WILL CONSIST OF OCCASIONAL CLASS C EVENTS DURING THE NEXT THREE DAYS. ALL OF THE REGIONS ON THE DISK APPEAR INSUFFICIENTLY COMPLEX TO PRODUCE ENERGETIC ACTIVITY. UNSETLED GEOMAGNETIC CONDITIONS ARE LIKELY DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 AUG/0000Z ENDING 16 AUG/2400Z

CLASS M OR GREATER 15/15/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 226B ISSUED 2200Z 14 AUG 1971

INFREQUENT CLASS C FLARES ARE EXPECTED.

A. OCCASIONAL CLASS C EVENTS HAVE BEEN MEASURED THE PAST 24 HOURS. NO DEVELOPMENT OF ANY SIGNIFICANCE HAS BEEN REPORTED IN THE CURRENT DISK REGIONS. SURGES AND PROMINENCE ACTIVITY AT NE10-15 MARK A REGION ROTATING ONTO THE DISK BUT EARLY INDICATIONS ARE THAT IT IS NOT VERY ACTIVE. THE GEOMAGNETIC FIELD HAS CONTINUED A QUIETING TREND.

B. NO SIGNIFICANT FLARES ARE EXPECTED. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME INCREASINGLY DISTURBED DURING THE LAST PART OF 15 AUG CONTINUING THROUGH 16 AUGUST.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15/0000Z ENDING 17/2400Z.

CLASS M OR GREATER 15/15/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 14/1400Z, 14/1700Z AND 14/2000Z WERE 99, 98 AND 96 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 15-17 AUG IS 94/96/98.

E. MAGNETIC A-FREDERICKSBURG FOR 13 WAS 07. FOR 14 ABOUT 04 PREDICTED AP FOR 15-17, 8/15/12.

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