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HFUS BOU 120500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 163A ISSUED 0500Z 12 JUNE 1971

INFREQUENT CLASS C FLARES ARE ANTICIPATED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL DURING THE PAST SEVEN HOURS, AND NO ENERGETIC FLARES HAVE BEEN REPORTED. ACTIVE ARCH FILAMENTS, FLUCTUATING PLAGE, AND A RUDIMENTARY D-TYPE SPOT GROUP ARE PRESENT IN THE SLOWLY-DEVELOPING NEW REGION AT N16E06. OTHER REGIONS ARE UNIMPRESSIVE, AND BOTH LIMBS ARE QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. DURING THE THREE-DAY FORECAST PERIOD, ONLY CLASS C FLARE ACTIVITY IS EXPECTED. THE GROWING N16E06 REGION PROBABLY WILL PRODUCE OCCASIONAL SMALL SUBFLARES AS ITS DEVELOPMENT CONTINUES. QUIET GEOMAGNETIC CONDITIONS ARE ANTICIPATED UNTIL 13 JUNE, WHEN UNSETTLED CONDITIONS OF RECURRENT ORIGIN PROBABLY WILL OCCUR.

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

CLASS M OR GREATER 10/15/20

CLASS X 01/01/02

PROTON EVENTS 01/01/01

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HFUS BOU 122200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 163B ISSUED 2200Z 12 JUNE 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. FREQUENT CHROMOSPHERIC ACTIVITY AND ASSOCIATED LIMB SURGES HAVE BEEN REPORTED SINCE ABOUT 12/0600Z IN THE AREA S00 TO S07 AND W50 TO WEST LIMB. NONE OF THE BRIGHTENINGS PRODUCED SIGNIFICANT ENHANCEMENTS ABOVE THE CURRENTLY VERY LOW X-RAY BACKGROUND. REGION 119 (N16 W04) HAS SHOWN NOMINAL SLOW GROWTH AND IS UNLIKELY TO PRODUCE ENERGETIC ACTIVITY DURING THE REST OF ITS DISK PASSAGE. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. NO SIGNIFICANT DISK ACTIVITY OR DEVELOPMENT IS EXPECTED DURING THE NEXT 24 HOURS. A NEW REGION FORMING AT S20E21 IS NOT LIKELY TO BECOME A SOURCE OF ENERGETIC FLARES REGARDLESS OF ITS RATE OF GROWTH. A RECURRING MAGNETIC DISTURBANCE IS EXPECTED OVER THE NEXT 48-72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 JUNE/0000Z ENDING 15 JUNE/2400Z.

CLASS M OR GREATER 10/10/10

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 12/1400Z, 12/1700Z AND 12/2000Z WERE 92, 90 AND 90 RESPECTIVELY.

PREDICTED 10.7CM FLUX FOR 13-15 JUNE IS 88/87/86.

E. MAGNETIC A-FREDERICKSBURG FOR 11 JUNE WAS 08. FOR 12 JUNE ABOUT 05. PREDICTED AP FOR 13-15 JUNE IS 16/14/10.

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