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HFUS BOU 040500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 247A ISSUED 0500Z 04 SEPTEMBER 1971

ONLY CLASS C ACTIVITY IS ANTICIPATED DURING THE NEXT 24 HOURS.

A. NO SIGNIFICANT SOLAR ACTIVITY HAS OCCURRED DURING THE PAST SEVEN HOURS. REGION 246 (S05W00) CONTINUES TO GROW SLOWLY BUT RETAINS ITS SIMPLE BIPOLE STRUCTURE. AN ACTIVE FILAMENT HAS BEEN OBSERVED TO THE NORTHWEST OF REGION 246. OTHER DISK FEATURES ARE STABLE AND UNIMPRESSIVE. THE PROTON-COUNTING RATE ON THE ATS-1 GEOSTATIONARY SATELLITE WAS APPROXIMATELY 300 PARTICLES/CM²/SEC AT .5-21 MEV AT 04/0300Z. QUIET GEOMAGNETIC CONDITIONS HAVE PREVAILED DURING THE PAST SEVEN HOURS.

B. SOLAR ACTIVITY PROBABLY WILL REMAIN VERY LOW DURING THE FORECAST PERIOD. UNSETTLED GEOMAGNETIC CONDITIONS ARE LIKELY DURING THE NEXT 48 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 SEPT/0000Z ENDING 06 SEPT/2400Z
CLASS M OR GREATER 05/05/05

CLASS X 00/00/00

PROTON EVENTS IN PROGRESS/00/00

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HFUS BOU 042215

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 247B ISSUED 2200Z 04 SEPTEMBER 1971
NO SIGNIFICANT ACTIVITY IS EXPECTED.

A. NO SIGNIFICANT ACTIVITY HAS BEEN OBSERVED ON THE SUN. REGION 246 (S05W13) IS NOT SIGNIFICANT AS FAR AS ENERGETIC ACTIVITY IS CONCERNED BUT HAS CONTINUED TO GROW VERY SLOWLY. THE PCA EVENT THAT BEGAN 01/2000Z CONTINUES TO DECLINE. NEAR-EARTH INTEGRATED PARTICLE DETECTORS INDICATE THAT GREATER-THAN-25 MEV PROTON FLUX IS LESS THAN TWICE BACKGROUND LEVELS AT 04/1800Z. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET.

B. NO ENERGETIC FLARES ARE EXPECTED. REGION 246 MAY PRODUCE OCCASIONAL FLARES WITH MAXIMUM ENERGIES IN THE CLASS C4 TO C8 RANGE. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET-TO-UNSETTLED THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 SEP/0000Z ENDING 07 SEP/2400Z

CLASS M OR GREATER 05/05/05

CLASS X 00/00/00

PROTON EVENTS 00/00/00

D. OTTAWA 10.7 CM FLUXES FOR 04/1400Z, 04/1700Z AND 04/2000Z WERE 91, 94 AND 91, RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 05-07 SEPT IS 92/91/90.

E. MAGNETIC A-FREDERICKSBURG FOR 03 WAS 07. FOR 04 ABOUT 05.
PREDICTED AP FOR 05-07, 08/08/08.

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