

HXUS BOU 030500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 246A ISSUED 0500Z 03 SEPT 1971

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

A. DURING THE PAST SEVEN HOURS, ONLY A FEW CLASS C SUBFLARES HAVE BEEN REPORTED. SLIGHT DEVELOPMENT HAS OCCURRED IN THE

SPOTS AND PLAGE OF SMALL BIPOLAR REGION 246 (S05E14).

NEW B-TYPE SPOT GROUP HAS FORMED AT N18E36. THE PARTICLE EVENT THAT BEGAN AT ABOUT 01/2000Z IS STILL IN PROGRESS.

AT 02/2345Z THE THULE 30MHZ RIOMETER RECORDED A DAYLIGHT ABSORPTION VALUE OF 2.5DB, REPRESENTING A CONSIDERABLE DECREASE FROM THE 5.6DB MAXIMUM AT 02/1800Z.

AT 03/0400Z, THE ATIS-1 5-20 MEV PROTON COUNTER INDICATED AN APPROXIMATE FLUX OF 400 PARTICLES/CM²/SEC.

THE GEOMAGNETIC FIELD HAS BECOME UNSETTLED DURING THE PAST SEVEN HOURS.

B. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL, AND NO ENERGETIC ACTIVITY IS EXPECTED. THE GEOMAGNETIC FIELD PROBABLY WILL REMAIN IN AN UNSETTLED CONDITION DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 SEPT/0000Z ENDING 05 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 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 246B ISSUED 2200Z 03 SEPT 1971

MINOR SOLAR FLARES EXPECTED

A. NO SIGNIFICANT DEVELOPMENT OR ACTIVITY HAS OCCURRED ON THE SUN. THERE ARE SMALL REGIONS ON THE DISK BUT NONE OF THEM ARE LOCATED SUCH THAT THEY WILL DEVELOP INTO ENERGETIC FLARE SOURCES. THE PCA IN PROGRESS SINCE 01/2000Z HAS DECAYED TO THE POINT THAT FLUXES IN THE 5-25 MEV INTERVAL ARE LESS THAN ONE TENTH THEIR MAXIMUM VALUES. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

B. NO SOLAR ACTIVITY EXPECTED. THE GEOMAGNETIC FIELD WILL BE UNSETTLED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04/0000Z ENDING 06/2400Z.

CLASS M OR GREATER 05/05/05

CLASS X 00/00/00

PROTON EVENTS IN PROGRESS/00/00

D. OTTAWA 10.7CM FLUXES FOR 03/1400Z, 03/1700Z AND 03/2000Z WERE 89, 91 AND 89 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 04-06 SEP IS 90/90/90.

E. MAGNETIC A-FREDERICKSBURG FOR 02 SEP WAS 00. FOR 03 SEP ABOUT 08. PREDIMEED AP FOR 04-06 SEP IS 08/08/08.

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