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HFUS BOU 040500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 185A ISSUED 0500Z 04 JULY 1971

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS CONTINUED AT A LOW LEVEL DURING THE PAST 7 HOURS. REGION 148 (S12W06) IS STILL THE MOST INTERESTING AND ACTIVE DISK REGION. A NEW REGION 157 (S11W39) IS NOW AN A-TYPE GROUP AND IS DEVELOPING. THE REST OF THE DISK REGIONS ARE STABLE. THE GEOMAGNETIC FIELD HAS HAD PERIODS OF MINOR DISTURBANCE.

B. SOLAR ACTIVITY WILL REMAIN AT PRESENT LEVEL. A CLASS M EVENT, HOWEVER, IS PROBABLE FROM REGION 148. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF MINOR DISTURBANCE.

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

CLASS M OR GREATER 80/75/70

CLASS X 15/10/10

PROTON EVENTS 10/03/05

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HFUS BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 185B ISSUED 2200Z 04 JULY 1971

ONE OR TWO SMALL CLASS M EVENTS ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL WITH ONLY ELEVEN CLASS C SUBFLARES DURING THE PAST 24 HOURS. REGION 148 /S12W21/ REMAINS THE MOST ACTIVE AND MOST INTERESTING DISK FEATURE, BUT IT APPEARS TO BE DECAYING SLOWLY. SLOW SPOT AND PLAGE DEVELOPMENT CONTINUE IN REGION 157 /S12E26, ERRONEOUSLY REPORTED AS S11W39 IN SDF 185A/, THIS SPOT GROUP IS NOW CLASS /AREA C/10 AND HAS SO FAR BEEN INACTIVE. REGION 159, A NEW SPOT GROUP, IS CROSSING THE LIMB NEAR S08E90. THE GEOMAGNETIC FIELD WAS UNSETTLED 03/2100-04/0300 BUT HAS BEEN QUIET SINCE.

B. INFREQUENT SMALL CLASS M EVENTS ARE EXPECTED FROM REGION 148 AS IT CONTINUES TO DECAY. MAJOR ACTIVITY IS NOT LIKELY UNLESS NEW MAGNETIC FIELDS EMERGE WITHIN THIS REGION. THE GEOMAGNETIC FIELD SHOULD BE QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 JULY/0000Z ENDING 08 JULY/0000Z.

CLASS M OR GREATER 70/60/50

CLASS X 10/10/05

PROTON EVENTS 10/05/05

D. OTTAWA 10.7 CM FLUXES FOR 04/1400Z, 04/1700Z AND 04/2000Z WERE 130, 130 AND 126 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 05-07 JULY IS 125/123/121.

E. MAGNETIC A-FREDERICKSBURG FOR 03 JULY WAS 08. FOR 04 JULY ABOUT 0. PREDICTED AP FOR 05-07 JULY, 08/10/10.

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