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HFUS BOU 150500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 196A ISSUED 0500Z 15 JULY 1971

INTERMITTENT CLASS C FLARES SHOULD CHARACTERIZE DISK ACTIVITY THESE
NEXT 24 HOURS.

A. NO FLARE HAS EXCEEDED CLASS C ENERGETICS SINCE THE LAST MESSAGE.
OUT OF SIX SPOT GROUPS VISIBLE ONLY THE BIPOLAR FEATURE NEAR
NOSE45 STANDS OUT IN TERMS OF BOTH ITS STRUCTURE AND ACTIVITY.
SOME GROWTH WITHIN THE TRAILING PORTION OF THIS CLASS/AREA E/500
GROUP HAS BEEN NOTED. THE TYPE I DEKAMETRIC NOISE STORM REPORTED
YESTERDAY BY CULGOORA IS STILL IN EVIDENCE THERE. LOCAL 3-HOUR
RANGE INDICES ARE FLUCTUATING BETWEEN K EQUAL 1 AND 4.

B. NO CHANGE

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

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HXUS BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 196B ISSUED 2200Z 15 JULY 1971

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

A. SOLAR ACTIVITY HAS REMAINED AT A RELATIVELY LOW LEVEL DURING THE PAST 17 HOURS, AND ONLY OCCASIONAL CLASS C SUBFLARES HAVE BEEN REPORTED. REGION 164 (N06E35) IS THE MOST INTERESTING DISK FEATURE, EXHIBITING RECENT DEVELOPMENT OF THE PLAGE AND SPOTS IN THE TRAILER SECTION. REGION 164 CONTAINS FLUCTUATING ARCH FILAMENTS IN THE CENTRAL PORTION. A NEW BIPOLAR STRUCTURE, DESIGNATED REGION 167, HAS EMERGED AT N15E06, JUST EAST OF REGION 163 (N15E02). REGION 167 CONTAINS ARCH FILAMENTS AND BRIGHT, FLUCTUATING PLAGE. A NEW D-TYPE SPOT GROUP AND COMPACT PLAGE HAVE APPEARED AT S05E62 (REGION 170). OTHER REGIONS ARE UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS EXHIBITED UNSETTLED CONDITIONS DURING THE PAST 17 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY PROBABLY WILL INCREASE SLIGHTLY AS REGIONS 164, 167, AND 170 DEVELOP. RELATIVELY QUIET GEOMAGNETIC CONDITIONS ARE ANTICIPATED DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 JULY/0000Z ENDING 18 JULY/2400Z.

CLASS M OR GREATER 40/45/50

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 15/1400Z, 15/1700Z AND 15/2000Z WERE 120, 122 AND 121 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 16-18 JULY IS 126/128/130.

E. MAGNETIC A-FREDERICKSBURG FOR 14 JULY WAS 09. FOR 15 JULY ABOUT 03 PREDICTED AP FOR 16-13 JULY, 08/08/06.

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