

#NNNN

KBOU

HFUS BOU 120500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 193A ISSUED 0500Z 12 JULY 1971

CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS CONTINUED AT A LOW LEVEL. REGIONS 159 (S07W09) AND 163 (N16E57) HAVE PRODUCED THE NON-ENERGETIC SUBFLARES DURING THE PAST 24 HOURS. A NEW REGION 164 (N06E85) WITH AN H TYPE SPOT IS QUIET AND UNIMPRESSIVE. THE OTHER REGION 162 (S10E22) HAS BEEN QUIET AND STABLE. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL. THE GEOMAGNETIC FIELD WILL REMAIN QUIET WITH SHORT PERIODS OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR

PERIODS BEGINNING 12 JULY/0000Z ENDING 14 JULY/2400Z

CLASS M OR GREATER 55/45/40

CLASS X 05/05/05

PROTON EVENTS 02/02/05

SOLTERWARN

SPAN

BT

KBOU

HFUS BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 193B ISSUED 2200Z 12 JULY 1971

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

A. SOLAR ACTIVITY HAS DECREASED TO A RATE OF ABOUT ONE SUBFLARE EVERY THREE HOURS. A SMALL IMPORTANCE ONE NORMAL FLARE AT 12/1532Z IN REGION 162 /S11E09/ DID NOT PRODUCE SIGNIFICANT RADIO OR X-RAY EMISSION. ONLY MINOR CHANGES HAVE OCCURRED IN THE ACTIVE REGIONS ON THE DISK. NO FLARES HAVE AS YET BEEN OBSERVED IN REGION 164 /N06E79/ WHICH CROSSED THE LIMB ON 11 JULY. THIS REGION IS TOO CLOSE TO THE LIMB FOR EVALUATION, IT APPEARS TO CONTAIN A SPOT GROUP OF CLASS/AREA E/460 MILLIONTHS. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT ITS PRESENT LOW LEVEL FOR THE NEXT 72 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET UNTIL 14 JULY, SOLAR WIND DATA FROM THE PIONEER 6 SPACECRAFT /TWO DAYS BEHIND EARTH/ INDICATE THAT THE FIELD WILL PROBABLY BECOME UNSETTLED ON 14 JULY.

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

CLASS M OR GREATER 30/30/30

CLASS X 02/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 12/1400Z AND 12/1700Z WERE BOTH 106.

PREDICTED 10.7 CM FLUX FOR 13-15 JULY IS 106/108/108.

E. MAGNETIC A-FREDERICKSBURG FOR 11 JULY WAS 06. FOR 12 JULY ABOUT 06. PREDICTED AP FOR 13-15 JULY, 06/10/12.

SOLTERWARN

SPAN

BT