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HFUS BOU 300500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 211A ISSUED 0500Z 30 JULY 1971

CLASS C FLARES EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY THE PAST 24 HOURS HAS DECLINED TO A LOW LEVEL, HOWEVER, WEATHER CONDITION HAVE BEEN HAMPERING SOLAR PATROL. REGION 197 (S15E09) IS UNDERGOING SIMPLIFICATION, I.E. PLAGE MORE DIFFUSE AND DECAYING SUN SPOTS. REGION 198 (S12W37) IS GROWING BUT RETAINS A SIMPLE EAST-WEST BIPOLAR STRUCTURE. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. THE SUN APPEARS TO HAVE LOST MOST OF ITS POTENTIAL FOR PRODUCING EVEN CLASS M FLARES WITH THE DECAY OF 197 AND THE UNIMPRESSIVE DEVELOPEMENT OF THE OTHER REGIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30 JULY /0000Z ENDING 1 AUG/2400Z.

CLASS M OR GREATER 40/40/35

CLASS X 02/02/01

PROTON EVENTS 02/02/01

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HXUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 211B ISSUED 2200Z 30JULY 1971

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

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL FOR THE PAST 24 HOURS.

REGION 297 /N11E28/ DISPLAYS MINOR D SPOT GROUP, APPEARS BRIGHT

AND GROWING. REGION 198 /S12W49/ ALSO APPEARS BRIGHT AND GROWING.

REGION 199 /N08E35/ IS A FAIRLY NEW BIPOLAR GROUP WHICH APPEARS

TO BE STABLE. THE GEOMAGNETIC FIELD WAS UNSETTLED 29/1800Z TO

30/1200Z. IT HAS BEEN QUIET SINCE 30/1200Z.

B. SOLAR ACTIVITY WILL PROBABLY REMAIN AT A LOW LEVEL FOR THE NEXT

24 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET.

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

HOUR PERIODS BEGINNING 31 JULY/0000Z ENDING 2 AUG/2400Z.

CLASS M OR GREATER 35/40/45

CLASS X 02/02/02

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 30/1400Z AND 30/1700Z WERE 112 AND

113 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 31 JULY-2 AUG IS

108/105/103.

E. MAGNETIC A-FREDERICKSBURG FOR 29 JULY WAS 05. FOR 30 JULY ABOUT

08 PREDICTED AP FOR 31 JULY-2 AUG, 08/07/06.

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