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HFUS BOU 260500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 207A ISSUED 0500Z 26 JULY 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. ONLY THREE CLASS C SUBFLARES HAVE BEEN REPORTED DURING THE PAST SEVEN HOURS. SLIGHT DEVELOPMENT HAS OCCURRED IN THE TRAILING SPOTS OF REGION 194 (N11W21). REGION 176 (N13W65) HAS CONTINUED TO DECLINE GRADUALLY. OTHER REGIONS HAVE EXHIBITED LITTLE SIGNIFICANT CHANGE. FREQUENT SMALL SURGES HAVE BEEN OBSERVED AT NE12, SUGGESTING THAT A NEW REGION LIES CLOSE BEHIND THE LIMB THERE. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY STABLE EXCEPT DURING THE INTERVAL 25/2330Z-26/0010Z, WHEN A STEADY INCREASE MEASURING ABOUT 45 GAMMAS WAS OBSERVED ON THE H-COMPONENT OF THE REAL-TIME MAGNETOMETER AT BOULDER.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY PROBABLY WILL CONSIST OF OCCASIONAL CLASS C SUBFLARES AND ONE OR TWO SMALL CLASS M EVENTS. UNSETTLED GEOMAGNETIC CONDITIONS ARE LIKELY DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 JULY/0000Z ENDING 28 JULY/2400Z

CLASS M OR GREATER 65/70/70

CLASS X 05/05/05

PROTON EVENTS 05/07/07

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HFUS BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 207B ISSUED 2200Z 26 JULY 1971

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

A. DISK ACTIVITY HAS BEEN CONFINED TO CLASS C SUBFLARES SCATTERED AMONG SIX OF THE NINE REGIONS NOW VISIBLE. REGION 194 /N11W31/ HAS SHOWN SOME INCREASE IN MAGNETIC COMPLEXITY AND ITS NEUTRAL LINE NOW HAS A SHARP KINK. THE FOLLOWING POLARITY SPOTS OF REGION 196 /N20W21/ HAVE APPARENTLY DISAPPEARED YIELDING A SIMPLE UNIPOLAR REGION. THIS REGION WAS A BIPOLE OF ABNORMAL ORIENTATION YESTERDAY. REGION 176 /N14W75/ CONTINUES TO DECLINE SLOWLY. LIMB ACTIVITY CONTINUES NEAR N10E90 WHERE PLAGE IS ROTATING ONTO THE DISK BUT NO SPOTS ARE YET VISIBLE. THE GEOMAGNETIC FIELD BECAME UNSETTLED AT 26/1430Z.

B. SOLAR ACTIVITY DURING THE NEXT 72 HOURS IS EXPECTED TO CONSIST MAINLY OF CLASS C SUBFLARES. ONE OR TWO CLASS M EVENTS ARE POSSIBLE FROM REGION 176 BEFORE IT CROSSES THE LIMB ON 28 JULY. REGION 194 COULD ALSO PRODUCE INFREQUENT SMALL CLASS M ACTIVITY. ENERGETIC ACTIVITY FROM THE NE LIMB MUST BE CONSIDERED POSSIBLE FOR THE NEXT 24 HOURS. THE GEOMAGNETIC FIELD WILL BE UNSETTLED FOR THE NEXT 48-72 HOURS. THE PRESENT DISTURBANCE IN THE GEOMAGNETIC FIELD IS BELIEVED TO BE THE ONSET OF A RECURRENT DISTURBANCE WHICH HAS PERSISTED FOR AT LEAST SEVEN SOLAR ROTATIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 JULY/0000Z ENDING 29 JULY/2400Z.

CLASS M OR GREATER 45/50/50

CLASS X 02/02/02

PROTON EVENTS 01/02/02

D. OTTAWA 10.7 CM FLUXES FOR 26/1400Z AND 26/1700Z WERE 119 AND 118 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 27-29 JULY IS 116/118/120.

E. MAGNETIC A-FREDERICKSBURG FOR 25 JULY WAS 02. FOR 26 JULY ABOUT 07. PREDICTED AP FOR 27-29 JULY, 17/15/10.

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