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HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 212 ISSUED 2200Z 30 JULY 1972

A. FLARE ACTIVITY REMAINS AT A LOW LEVEL. SPOT GROWTH NEAR THE DELTA CONFIGURATION IN REGION 319 /S13W09/ IS EXPECTED TO INCREASE THIS REGION'S ENERGETIC FLARE POTENTIAL. ANALYSES OF H-ALPHA STRUCTURE IN THE NORTHEAST SUGGEST THAT REGION 331 /N13E66/ IS ALSO COMPLEX, WITH THE MAGNETIC NEUTRAL LINE BISECTING THE LEADER SPOT. THIS LARGE REGION, ALTHOUGH UNSTABLE IN APPEARANCE, HAS PRODUCED ONLY A FEW SMALL FLARES SINCE IT ROTATED ONTO THE DISK. DEKAMETRIC RADIO ACTIVITY IS OCCURRING AGAIN TODAY. THE MOST SIGNIFICANT BURST OBSERVED AT BOULDER WAS A STRONG TYPE III ASSOCIATED WITH A SUBFLARE IN REGION 328 /S18E17/ AT 1837Z. THE MINOR PROTON ENHANCEMENT HAS DECLINED DURING THE PAST 24 HOURS. THE GEOMAGNETIC FIELD IS QUIET.

B. REGIONS 319 AND 331 APPEAR CAPABLE OF PRODUCING A FEW ENERGETIC EVENTS DURING THE NEXT 72 HOURS. QUIET TO MILDLY UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED.

C. EVENT PROBABILITIES 31 JULY/0000Z-02 AUG/2400Z

CLASS M 55/55/55

CLASS X 05/05/05

PROTON 01/02/03

D. OTTAWA 10.7 CM FLUX

OBSERVED 30 JULY/1700Z 142

PREDICTED 31 JULY-02 AUG 150-158-165

E. A-FREDERICKSBURG

OBSERVED 29 JULY 04

ESTIMATED 30 JULY 04

PREDICTED 31 JUL-02 AUG 04-08-10

SOLTERWARN

SPAN

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