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HFUS BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 222 ISSUED 2200Z 09 AUGUST 1972

A. SOLAR ACTIVITY HAS CONTINUED AT A LOW LEVEL THE PAST 24 HOURS. REGION 331 /N14W69/ REMAINS QUITE IMPRESSIVE AND STILL HAS A DELTA CONFIGURATION AND A CONVOLUTED NEUTRAL LINE. REGION 341 /S08W82/ IS GROWING RAPIDLY BUT HAS PRODUCED ONLY THREE SUB-FLARES THIS PERIOD. PROTON LEVELS REMAIN ENHANCED BUT ARE DECLINING. THE GEOMAGNETIC FIELD EXPERIENCED A GRADUAL STORM ONSET AT 09/0040Z WHICH WAS FOLLOWED BY A 12 HOUR PERIOD OF MAJOR STORM ACTIVITY.

B. REGION 331 IS PRESENTLY DISPLAYING A FILAMENT WHICH IS ACTIVE IN OFFBAND H-ALPHA AND HAS A DISTINCT NEUTRAL LINE AND HIGH FIELD GRADIENTS. CONTINUED ENERGETIC ACTIVITY IS EXPECTED FROM THIS REGION IN THE NEAR FUTURE. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO MILDLY UNSETTLED FOR THE NEXT 30 TO 48 HOURS.

C. EVENT PROBABILITIES 10 AUG/0000Z-12 AUG/2400Z.

CLASS M 75/50/20

CLASS X 45/20/05

PROTON 45/20/10

D. OTTAWA 10.7 CM FLUX.

OBSERVED 09 AUG/1700Z 122

PREDICTED 10 AUG-12 AUG 115-105-100

E. A-FREDERICKSBURG.

OBSERVED 08 AUG 008.

ESTIMATED 09 AUG 054.

PREDICTED 10 AUG-12 AUG 009-006-006.

SOLTERWARN

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