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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
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ACTIVE GEOMAGNETIC CONDITIONS AND MINOR SOLAR FLARES ARE EXPECTED.
A. REGIONS 388 /S15E52/ AND 391 /S17E70-REGION 354 ON PREVIOUS
DISK PASSAGE/ HAVE PRODUCED OCCASIONAL CLASS C SUBFLARES DURING THE
PAST 24 HOURS. A SUB-BRILLIANT FLARE AT 18/1923Z IN REGION 388 WAS
ACCOMPANIED BY WEAK IONOSPHERIC EFFECTS AND BY A CENTIMETER-
WAVELENGTH BURST OF SHORT DURATION. MEASUREMENTS AT THE ALGONGUIN
OBSERVATORY NEAR OTTAWA INDICATED A MAXIMUM 2800 MHZ FLUX OF 263
FLUX UNITS ABOVE BACKGROUND AT 18/1923Z. REGION 388 CONTAINS BRIGHT,
FLUCTUATING PLAGE AND A DEVELOPING E-TYPE SPOT GROUP. REGION 391
APPARENTLY CONTAINS AN H-TYPE SPOT LOCATED EAST OF ENHANCED PLAGE.
REGION 380 /N13W18/ HAS SHOWN SOME DEVELOPMENT IN WHITE LIGHT, BUT
THE PLAGE IS NO LONGER AS IMPRESSIVE AS IT WAS 24 HOURS AGO. OTHER
CENTERS ARE RELATIVELY UNIMPRESSIVE. THE GEOMAGNETIC STORM RE-
PORTED ON YESTERDAYS REPORT HAS CONTINUED, BUT GRADUAL STABILIZATION
IS NOW OCCURRING. K-INDICES AT MIDDLE-LATITUDE OBSERVATORIES HAVE
NOT EXCEEDED 7 DURING THIS STORM. ATS-1 PROTON FLUXES HAVE DECREASED
TO ABOUT 2 PARTICLES/CM²/SEC AT 5-21 MEV AND 1 PARTICLE/CM²/SEC AT
21-70 MEV.

B. SMALL CLASS M FLARES ARE LIKELY TO OCCUR IN REGIONS 388 AND
391 DURING THE FORECAST PERIOD. THE GEOMAGNETIC FIELD IS EXPECTED
TO REMAIN UNSETTLED TO ACTIVE DURING THE NEXT WEEK. ATS-1 PROTON
COUNTING RATES PROBABLY WILL DECREASE SLOWLY TO BACKGROUND LEVELS
DURING THE NEXT 2-3 DAYS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING
19 DEC/0000Z ENDING 21 DEC/2400Z.

CLASS M OR GREATER 65/65/65

CLASS X 05/05/05

PROTON EVENT 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 18/1400Z, 1700Z AND 2000Z WERE 136,
139 AND 138. PREDICTED 10.7 CM FLUXES FOR 19-21 DEC ARE
138/139/139.

E. MAGNETIC A-FREDERICKSBURG FOR 17 DEC WAS 37. FOR 18 DEC
ABOUT 25. PREDICTED AP FOR 19-21 DEC ARE 21/18/15.

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