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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

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A. ONLY NON-ENERGETIC SUBFLARES HAVE OCCURRED DURING THE PAST 24 HOURS - MOST IN REGION 015 (S15W18) BUT ISOLATED SUBFLARES WERE PRODUCED BY REGIONS 017 (N13E29) AND 020 (S17W34).

REGION 015 HAS AGAIN INCREASED SIGNIFICANTLY IN SPOT AREA AND REMAINS A COMPLEX REGION MAGNETICALLY WITH A DELTA CONFIGURATION AND REVERSED POLARITIES. DEVELOPING REGION 020 ALSO HAS REVERSED POLARITIES AND IS FOLLOWER DOMINANT.

WHEN MONITORING OF THE ATS-1 SATELLITE ENDED NEAR 21/1700Z, THE LOW ENERGY (5-21MEV) PROTON FLUX HAD DECREASED TO ABOUT 650 PART/CM² SEC WITH A STEADILY DECLINING TREND APPARENT. THE 20-70 MEV FLUX HAD ALSO DECREASED TO 2 PARTICLES/CM² SEC.

THE GEOMAGNETIC DISTURBANCE WHICH BEGAN AT 21/1150Z HAS ABATED SOMEWHAT BUT IS STILL CONSIDERED TO BE IN PROGRESS.

B. DESPITE ITS RECENT LULL IN ACTIVITY, REGION 015 IS EXPECTED TO PRODUCE OCCASIONAL ENERGETIC FLARES (ABOUT ONE PER DAY).

REGION 020 SHOULD ALSO BE THE SOURCE OF OCCASIONAL SUBFLARES WITH THE POSSIBILITY OF AN ISOLATED ENERGETIC EVENT. SIMPLE BIPOLE REGION 017 SHOULD HAVE ONLY MINOR SUBFLARES.

THE LOW ENERGY PROTON EVENT SHOULD GRADUALLY END DURING THE NEXT 24 HOURS.

DISTURBED GEOMAGNETIC CONDITIONS ARE EXPECTED TO CONTINUE WITH SOME INCREASE IN INTENSITY EARLY ON THE 22ND.

BY THE END OF THE 24 HOUR FORECAST PERIOD, THE FIELD IS EXPECTED TO HAVE RETURNED TO AN UNSETLED CONDITION.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 22 JAN/0000Z ENDING 24 JAN/2400Z.

CLASS M OR GREATER 80/80/70

CLASS X 15/15/10

PROTON EVENT 20/20/15

D. OTTAWA 10.7 CM FLUXES FOR 21/1400Z, 1700Z AND 2000Z WERE 134, 132 AND 132. PREDICTED 10.7 CM FLUXES FOR 22-24 JAN ARE 134/130/127.

E. MAGNETIC A-FREDERICKSBURG FOR 20 JAN WAS 08. FOR 21 JAN ABOUT 16. PREDICTED AP FOR 22-24 JAN ARE 34/15/10.

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