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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 112

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 21 APRIL 1980

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. THE  
LARGEST EVENTS WERE C3 (NO ASSOCIATED OPTICAL). REGION 2396  
(S13E31) CONTINUES TO GROW RAPIDLY AND TO SHOW PROMISE OF  
ACTIVITY. A NEW REGION 2406 (S24W14) HAS GAINED SPOTS, AND 2397  
(S27E12) CONTINUES TO GROW.

IB. SOLAR ACTIVITY IS EXPECTED TO RISE TO MODERATE LEVELS DUE  
TO POTENTIAL FROM 2396. CONTINUED CLASS C EVENTS ARE LIKELY IN  
SEVERAL REGIONS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET, EXCEPT FOR TWO  
PERIODS OF K EQUAL THREE LAST 24 HOURS. THE FIELD IS EXPECTED  
TO BE UNSETTLED OVER THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 22 - 24 APRIL

CLASS M 40/50/50

CLASS X 05/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 APR 206

PREDICTED 22 - 24 APR 204/202/200

90-DAY MEAN 21 APR 193

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 APR 05

ESTIMATED AFR/AP 21 APR 04/09

PREDICTED AFR/AP 22 - 24 APR 10/10 08/08 06/06

SOLTERWARN

BT