

HFUS 1-BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 113

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 22 APRIL 1980

I. A. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. THE LARGEST EVENT WAS A C8/SF IN REGION 2396 (S13E18). DURING THAT PERIOD THE REGION HAS GROWN SLIGHTLY, BUT HAS BEGUN TO SIMPLIFY. THE EAST LIMB HAS NOT SHOWN SIGNIFICANT CHANGE IN ACTIVITY. NO NEW REGIONS WERE OBSERVED.

I.B. SOLAR ACTIVITY IS NOT EXPECTED TO INCREASE, DUE TO THE RATHER STABLE CONDITION OF MOST REGIONS ON THE DISK. POTENTIAL FOR C CLASS EVENTS REMAIN HIGH IN SEVERAL REGIONS. REGION 2396 MAY STILL CONTAIN A DELTA WHICH HOLDS POTENTIAL FOR ACTIVITY.

II. THE MAGNETIC FIELD IS EXPECTED TO REMAIN UNSETTLED.

III. EVENT PROBABILITIES 23 APR - 25 APR

CLASS M 40/35/30

CLASS X 05/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 APR 197

PREDICTED 23-25 APR 195/193/189

90-DAY MEAN 22 APR 194

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 21 APR 05

ESTIMATED AFR/AP 22 APR 09/08

PREDICTED AFR/AP 23-25 APR 08/10 06/08 07/06

SOLTERWARN

BT