

HFUS 1 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 110

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 APRIL 1979

IA. SOLAR ACTIVITY REMAINS LOW. REGION 1689 (N30W52) PRODUCED A
C2/SN AT 0600Z, WHICH HAS BEEN THE MOST SIGNIFICANT EVENT TODAY.
REGION 1689 CURRENTLY IS EXHIBITING SOME PENUMBRAL GROWTH, AN ARCH
FILAMENT SYSTEM, FLUCTUATING PLAGE, AND POSSIBLY AN ISOLATED POLE.
THE OTHER SEVEN SPOTTED REGIONS ARE SIMPLE IN MAGNETIC STRUCTURE.
SUNSPOT STRUCTURE HAS REAPPEARED IN REGION 1694 (N07W50) BUT
CURRENTLY DOES NOT SHOW A STRONG GROWTH TENDENCY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS. THE
FIELD IS EXPECTED TO BE QUIET TO UNSETTLED ON 21 APRIL AND GENERALLY
UNSETTLED THE BALANCE OF THE PERIOD.

III. EVENT PROBABILITIES 21-23 APR

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 APR 154

PREDICTED 21-23 APR 152/148/142

90-DAY MEAN 20 APR 194

V. GEOMAGNETIC 4 INDICES

OBSERVED FREDERICKSBURG 19 APR 34

ESTIMATED APR/APR 20 APR 02/04

PREDICTED APR/APR 21-23 APR 08/12 12/12 12/14

SOLTERWARN

BT