

HFUS 1 B O U 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 115

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 APRIL 1979

IA. SOLAR ACTIVITY REMAINS LOW. THE LARGEST EVENT WAS A C2/SB AT
1802Z IN REGION 1705 (N17E36). BOTH REGIONS 1705 AND 1707
(S25E47) HAVE ISOLATED POLARITY INTRUSIONS BUT CURRENTLY ARE CON-
SIDERED TO BE BASICALLY BETA IN MAGNETIC CONFIGURATION. REGION
1710 (N24E70) APPEARS TO BE AN EMERGING REGION WITH FLARE BRIGHT-
ENINGS WHILE REGION 1711 (N14E80) APPEARS STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. ONE OR TWO CLASS M
EVENTS ARE POSSIBLE DURING THE NEXT THREE DAYS FROM REGIONS 1705
AND 1707.

II. THE GEOMAGNETIC FIELD HAS BEEN AT MAJOR STORM LEVEL FOLLOWING
A SUDDEN COMMENCEMENT AT 24/2358Z. THE FIELD IS EXPECTED TO BE
ACTIVE, WITH PERIODS AT STORM LEVEL, FOR THE NEXT 18-30 HOURS.
THE FIELD IS THEN EXPECTED TO ABATE SOMEWHAT BUT REMAIN STRONGLY
UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 26 - 28 APR

CLASS M 25/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 APR 174

PREDICTED 26 - 28 APR

90-DAY MEAN 25 APR 191

176/179/182

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 24 APR

14

ESTIMATED AFR/AP 25 APR

66/91

PREDICTED AFR/AP 26 - 28 APR

30/45 20/20 20/20

SOLTERWARN

BT