

HFUS-1 BOU 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 CONSIDERED TO BE BASICALLY BETA IN MAGNETIC CONFIGURATION. REGION 1710 (N24E70) APPEARS TO BE AN EMERGING REGION WITH PLAGE BRIGHTENINGS 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

PREDICTON 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

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 24 APR

ESTIMATED AFR/APR 25 APR

PREDICTED AFR/APR 26 - 28 APR

SOLTERWARN

BT

176/179/182

14

66/91

30/45 20/20 20/20

70
11