

HFUS 180U 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLO

SDF NUMBER 113

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 APRIL 1979

IA. SOLAR ACTIVITY CONTINUES LOW ONLY A FEW C CLASS X-RAY FLARES
HAVE BEEN OBSERVED DURING THE PAST 24 HOURS. THE LARGEST WAS A
C3/IN FROM REGION 1707 (S24E74) AT 1400 UT. REGION 1707 IS OLD
REGION 1661 WHICH WAS VERY ACTIVE LAST ROTATION. REGION 1703
(N20E27) HAS SHOWN GROWTH AND NOW HAS A DELTA IN THE TRAILER
PORTION ON THE REGION.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE TO MODERATE LEVELS AS
REGIONS 1703 AND 1707 CONTINUE TO HAVE POTENTIAL FOR M CLASS
EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD IS EXPECTED
TO BECOME UNSETTLED FOR THE NEXT 24-36 HOURS THEN BECOME ACTIVE
FOR THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 24-26 APRIL

CLASS M 20/25/25

CLASS X 01/05/05

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 APRIL 161

PREDICTED 24-26 APRIL 164/167/168

90-DAY MEAN 23 APRIL 192

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 APRIL 27

ESTIMATED AFR/AP 23 APRIL 20/31

PREDICTED AFR/AP 24-26 APRIL 12/18 18/20 21/28

SOLTERWARN

BT