

HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 139

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z ~~17~~ MAY 1979 MAY 19

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 1743 (N16W84)
PRODUCED A M1/1B AT 2041Z (X-RAY MAX) AND A C8/SF AT 0422Z.

REGION 1743 HAS BEEN ENHANCED WITH FREQUENT SURGE ACTIVITY AND
ASSOCIATED LOW LEVEL CLASS C X-RAY BURSTS. THE OTHER DISK REGIONS
HAVE BEEN QUIET. REGIONS 1757 (N14E24), 1758 (N13E45), AND 1759
(N17E81) HAVE BEEN ADDED TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 1743 SHOULD
CONTINUE TO PROVIDE ACTIVITY FOR THE NEXT 18 HOURS AS IT TRANSITS
WEST LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD IS EXPECTED
TO BE GENERALLY ACTIVE FOR THE NEXT 18 HOURS, THEN GENERALLY
UNSETTLED UNTIL 22 MAY WHEN ACTIVE CONDITIONS ARE AGAIN EXPECTED.
THE VARIANCES ARE ATTRIBUTED TO HIGHER VELOCITY WIND STREAMS.

II. EVENT PROBABILITIES 20 MAY - 22 MAY

CLASS M 30/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 MAY 159

PREDICTED 20-22 MAY 154/151/150

90-DAY MEAN 19 MAY 182

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 MAY 10

ESTIMATED AFR/AP 19 MAY 20/27

PREDICTED AFR/AP 20-22 MAY 14/14 - 10/10 - 20/28

SOLTERWARN

BT