

HFUS 1 BOU 052200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SDF NUMBER 095

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 APRIL 1979

IA. SOLAR ACTIVITY WAS LOW THROUGH MOST OF THE PERIOD THEN AT
051826 U.T. A SPECTACULAR NORTHEAST LIMB EVENT PRODUCED AN M-4
X-RAY BURST WITH MATERIAL EJECTED OUT TO .22 R IN LESS THAN TWO
MINUTES. FAINT FLARE MARKINGS IN THIS AREA REVEAL THAT AN AREA
AT LEAST 10 DEGREES IN LATITUDE IS JUST BEHIND THE EAST LIMB.
REGION 1661 (S25W45) IS STILL THREATENING IN APPEARANCE BUT THE
GRADIENTS HAVE RELAXED SOMEWHAT AND FLARE PRODUCTION FROM THIS
REGION HAS DECLINED. NO OTHER REGIONS ON THE DISK AT THIS TIME
WOULD APPEAR TO POSE A THREAT FOR SIGNIFICANT ACTIVITY.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE COMING 24
HOURS. SHOULD THE REGION BEHIND THE EAST LIMB LIVE UP TO ITS PRE-
VIEW, ACTIVITY WOULD INCREASE SHARPLY ONCE IT IS ON THE DISK.

II. THE GEOMAGNETIC FIELD WAS AT MAJOR STORM LEVELS EARLIER
TODAY. CONDITIONS DURING THE NEXT 24 HOURS SHOULD BE AT MINOR STORM
LEVELS IN NIGHTTIME SECTORS AND UNSETTLED TO ACTIVE IN DAYLIGHT
SECTORS.

III. EVENT PROBABILITIES 06 APRIL - 08 APRIL

CLASS M 90/90/90

CLASS X 25/30/30

PROTON 25/10/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 APR 182

PREDICTED 06-08 APR 184/186/188

90-DAY MEAN 05 APR 198

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 APR 21

ESTIMATED AFR/AP 05 APR 37/37

PREDICTED AFR/AP 06-08 APR 25/30 - 14/25 - 12/20

SOLTERWARN

BT