

HFUS 1 BOU 052200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SD-F NUMBER 095
JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2202 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 PLAGE 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 PREVIEW, 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 NIGHTIME SECTORS AND UNSETLED TO ACTIVE IN DAYLIGHT SECTORS.

III. EVENT PROBABILITIES 06 APRIL - 08 APRIL

CLASS M 90/90/93

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 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