

4FUS1 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 097

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 APRIL 1979

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. REGION 1682 (S13W26) IS THE ONLY REGION SHOWING SIGNS OF HAVING ENERGETIC CAPABILITIES. REGION 1682 HAS BEEN FLARE BRIGHT MOST OF THE DAY, POSSESSES AN ARCH FILAMENT SYSTEM AND THE SPOT GROUP SHOWS SUSTAINED GROWTH. THE REGION IN THE NORTHEAST, 1681 (N20E62) HAS BEEN QUIET AND IS STILL CONSPICUOUS BY ITS SCARCITY OF PLAGE. THE MT WILSON MAGNETIC DATA INDICATED ALL OF THE VISIBLE SPOTS ARE OF LEADER POLARITY SO POSSIBLY THE TRAILER PORTION OF THE REGION IS NOT YET VISIBLE. REGION 1661 (S24W74) PRODUCED A LONG LIVED SUB FLARE AND THE SLIGHTLY ENHANCED AREA IN THE LEADER PLAGE HAVE BEEN ITS ONLY DYNAMIC TRAITS. A SMALL NEW SPOT DEVELOPED NEAR N24E42 AND IS REGION NUMBER 1683. THE REST OF THE DISK IS QUIET.

IB. ALTHOUGH ACTIVITY HAS BEEN LOW, THE POTENTIAL FOR SIGNIFICANT ACTIVITY FROM REGION 1661, AND TO A LESSER DEGREE FROM 1681 AND 1682, STILL EXIST.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AND NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 08 APRIL - 10 APRIL

CLASS M 60/60/60

CLASS X 05/01/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 APR 168

PREDICTED 08-10 APR 168/168/168

90-DAY MEAN 07 APR 197

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 APR 14

ESTIMATED AFR/AP 07 APR 10/12

PREDICTED AFR/AP 05-10 APR 09/09 - 08/08 - 08/08

SOLTERWARN

BT