

HFUS 1 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 100

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 APRIL 1979

IA. SOLAR ACTIVITY WAS MODERATE. REGION 1684 (N06E64) HAD AN M1 FLARE AT 0507 UT (MAX) ASSOCIATED WITH AN ASR. THE REGION APPEARS TO BE AN F-TYPE GROUP, INCLUDING AS TRAILERS THE SPOTS AT N06E70. REGION 1682 (S13W68) HAD A COUPLE SUBFLARES AND SEEMS TO HAVE DECAYED, IT IS A C-TYPE GROUP. NEW REGION 1687 (N15W75) HAD A C5 SUBFLARE AT 2041 UT. IT IS AN A-TYPE GROUP, BUT SHOWS SIGNS OF GROWTH. NEW REGION 1686 (S27W32) IS A C-TYPE GROUP. THERE IS SOME BRIGHT FLARE AT NE27 WHICH MIGHT BECOME A REGION. THE REST OF THE DISK/LIMB HAS BEEN QUIET.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. THE BEST CANDIDATE IS REGION 1684.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. CONDITIONS SHOULD BE UNSETTLED TOMORROW WITH POSSIBLE ACTIVE CONDITIONS ON THE FOLLOWING DAY.

III. EVENT PROBABILITIES 11 APRIL - 13 APRIL

CLASS M 45/45/45

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 APRIL 174

PREDICTED 11-13 APRIL 176/178/179

90-DAY MEAN 10 APRIL 197

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 APRIL 08

ESTIMATED AFR/AP 10 APRIL 12/13

PREDICTED AFR/AP 11-13 APRIL 08/10 - 13/16 - 11/14

SOLTERWARN

BT