

HFUS 1 BDU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 101

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 11 APRIL 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS. REGION 1684 (N07E54) HAD AN M1/2B TENFLARE WHICH MAXED AT 1340 UT. THE 10.7 CM BURST WAS 370 FLUX UNITS ABOVE BACKGROUND AND LASTED FOR 48 MINUTES. THE OPTICAL FLARE HAD A Y-SHAPED RIBBON CONFIGURATION. A C9/IN FLARE MAXED AT 2149 UT. FROM NEW REGION 1691 (N08E67). OTHERWISE, SUBFLARES WERE SEEN IN REGIONS 1684, 1686 (S20W47), 1681 (N19E11) AND NEW REGION 1689 (N29E66) WHICH IS B-TYPE GROUP AND RETURNING REGION 1655. TWO OTHER NEW REGIONS WERE NUMBERED TODAY THEY ARE 1688 (N18E60), A B-TYPE GROUP, AND 1690 (N14E74) WHICH IS AN A-TYPE SPOT.

IB. SOLAR ACTIVITY SHOULD CONTINUE TO BE MODERATE. REGION 1684, WHICH IS MAGNETIC CLASS BETA-GAMMA, OFFERS THE BEST PROBABILITY OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET. CONDITIONS SHOULD REMAIN UNCHANGED UNTIL ^{APR} 14 WHEN THE POSSIBLE EFFECTS OF A FILAMENT WHICH DISAPPEARED YESTERDAY AND THE IMPACT OF A HIGH SPEED STREAM FROM AN EQUATORIAL CORONAL HOLE SHOULD COMBINE TO MAKE THE GEOMAGNETIC FIELD ACTIVE.

III. EVENT PROBABILITIES 12 APRIL - 14 APRIL

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 APRIL 173

PREDICTED 12-14 APRIL 174/175/176

90-DAY MEAN 11 APRIL 197

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 APRIL 10

ESTIMATED AFR/AP 11 APRIL 07/07

PREDICTED AFR/AP 12-14 APRIL 13/15 - 13/18 - 25/28

SOLTERWARN

BT