

HFUS 1 BOU 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 (N 07E 54) HAD AN M1/2B-XENFLARE 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 C9/1N FLARE MAXED AT 2149 UT. FROM NEW REGION 1691 (N 08E 67). OTHERWISE, SUBFLARES WERE SEEN IN REGIONS 1684, 1686 (S2 0N 47), 1681 (N 19E 11) AND NEW REGION 1689 (N 29E 66) WHICH IS B-TYPE GROUP AND RETURNING REGION 1655. TWO OTHER NEW REGIONS WERE NUMBERED TODAY THEY ARE 1688 (N 18E 60), A B-TYPE GROUP, AND 1690 (N 14E 74) 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 5 0/5 0/5 0

CLASS X 10/10/10

PROMPT 0/0/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 APRIL 173

PREDICTED 12-14 APRIL 174/175/176

5-DAY MEAN 11 APRIL 197

V. GEOMAGNETIC 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