

HFUS 1 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 188

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 JULY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 2550 (N27W45) HAS BEEN RESPONSIBLE FOR MOST OF THE ACTIVITY INCLUDING AN M2/SB AT 060447 UT (MAX). REGION 2550 IS BY FAR THE MOST IMPRESSIVE REGION ON THE DISK, BOTH IN SIZE AND COMPLEXITY. MT WILSON REPORTS A DELTA MAGNETIC CONFIGURATION IN 2550 AND THE GRADIENT IS QUITE STRONG. THE PLAGE IS MODERATELY BRIGHT IN THE CENTRAL SECTION WITH ARCH FILAMENTS VERY EVIDENT. THE NORTHEAST QUADRANT HAS A SERIES OF SPOT GROUPS: 2552 (N22E48), 2554 (N19E61) AND 2553 (N23E60) WHICH HAS RESULTED IN A SHARP SPIKE ON THE E-W DRIFT SCAN. OF THESE THREE REGIONS 2554 IS THE LARGEST AND APPEARS TO HAVE THE POTENTIAL FOR BECOMING COMPLEX. REGIONS 2551 (S06W44) AND 2546 (S15W05) HAVE MODERATELY BRIGHT, WELL ORGANIZED PLAGES BUT THEIR SPOT GROUPS ARE STABLE OR DECLINING. THE OTHER DISK FEATURES ARE LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD CONTINUE LOW TO MODERATE WITH "M" CLASS FLARES LIKELY.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED FOR THE COMING 24 HOURS.

III. EVENT PROBABILITIES 07 JULY - 09 JULY

CLASS M 80/80/80

CLASS X 10/10/10

PROMPT 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JULY 145

PREDICTED 07-09 JULY 149/156/161

90-DAY MEAN 06 JULY 206

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 05 JULY 20

ESTIMATED AFR/AP 06 JULY 08/08

PREDICTED AFR/AP 07-09 JULY 12/12 - 15/15 - 15/15

SOLTERWARN

BT