

HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 179

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 27 JUNE 1980

I. SOLAR ACTIVITY HAS BEEN MODERATE, WITH 2 CLASS M EVENTS IN REGION 2522 (S28W64). THE FIRST WAS A M1/2N FLARE AT 27/0115 UT. THE SECOND FLARE, 27/1618 UT, WAS A M6/SB WITH AN ASSOCIATED RADIO BURST OF 390 FLUX UNITS A 2695 MHZ. THIS REGION IS DECLINING IN SPOT SIZE AND COMPLEXITY BUT STILL CONTAINS TIGHT GRADIENTS. REGION 2530 (S23W55) PRODUCED 3 SUBFLARES AND REMAINS STABLE. NO OTHER SIGNIFICANT FLARES WERE OBSERVED. A NEW SMALL, BRIGHT, COMPACT PLAGE WITH A D TYPE SPOT GROUP, REGION 2539 (N14W63), HAS DEVELOPED IN THE PAST 24 HOURS. A FAINT PLAGE AND SMALL B TYPE SPOT GROUP, REGION 2541 (S12E22), HAS ALSO APPEARED TODAY. THREE SMALL SPOT GROUPS HAVE ROTATED ONTO THE DISK AS REGION 2540 (N08E63), REGION 2542 (S25E58) AND REGION 2543 (S10E59). ALL OF THESE REGIONS ARE INACTIVE.

II. MODERATE SOLAR ACTIVITY IS POSSIBLE FROM REGION 2522 AND 2530 AS THEY ROTATE BEYOND WEST LIMB. ALL OTHER REGIONS APPEAR QUIET.

III. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO QUIET DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE SLIGHTLY UNSETLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 28 - 30 JUNE 1980

CLASS M 70/50/40

CLASS X 05/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX 206

PREDICTED 28 - 30 JUNE 201/196/191

90-DAY MEAN 27 JUNE 211

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 26 JUNE

1207

ESTIMATED AFR/AP 27 JUNE 05/10

PREDICTED AFR/AP 28 - 30 JUNE 08/10 08/10 08/08

SOLARWARN

BT