

HFUS 1 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 180

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 29 JUNE 1979

IA. SOLAR ACTIVITY REMAINED LOW FOR THE PAST 24 HOURS. THE MOST SIGNIFICANT EVENT WAS A C7/SB FROM REGION 1840 (N19E56) WHICH MAXED AT 1826 UT. THE EVENT WAS ACCOMPANIED BY SHORT WAVE FADING AND MINOR SOLAR RADIO EMISSION. THREE NEW REGIONS WERE NUMBERED TODAY. THEY ARE REGION 1842 (N10W68), A B-TYPE GROUP, REGION 1843 (N05E79), OBSERVED TODAY AS AN H-TYPE SPOT, AND REGION 1844 (S18E03), A B-TYPE GROUP WHICH APPEARED ON THE DISK LATE IN OUR OBSERVING DAY. ACTIVITY ON THE EAST LIMB INDICATES MORE REGIONS WILL ROTATE OVER TOMORROW.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLOWLY OVER THE NEXT 3 DAYS AS PREVIOUSLY ACTIVE LONGITUDES ROTATE ONTO THE VISIBLE DISK. REGION 1840 CARRIES THE HIGHEST PROBABILITY OF AN ENERGETIC EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. A CORONAL HOLE WAS OBSERVED AT CENTRAL MERIDIAN TODAY BUT GEOMAGNETIC ACTIVITY WHICH COULD RESULT FROM AN ASSOCIATED HIGH SPEED SOLAR WIND STREAM SHOULD NOT OCCUR WITHIN THE NEXT 72 HOURS. THE FIELD IS EXPECTED TO REMAIN QUIET THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 30 JUNE - 02 JULY

CLASS M 30/40/40

CLASS X 01/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JUNE 161

PREDICTED 30 JUNE - 02 JULY 168/174/178

90-DAY MEAN 29 JUNE 174

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 JUNE 03

ESTIMATED AFR/AP 29 JUNE 03/08

PREDICTED AFR/AP 30 JUNE - 02 JULY 05/10 05/10 07/16

SOLTERWARN

BT