

HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 164

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 JUNE 1979

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. ONLY A FEW C-LEVEL X-RAY EVENTS WERE OBSERVED, PRINCIPALLY FROM REGIONS 1788 (S22W79), 1796 (N18W22), AND 1797 (S17W13). AN ACTIVE PROMINENCE WAS SEEN ON THE WESTERN LIMB WHICH ARCHED FROM S22 TO APPROXIMATELY S37, AND WHICH EXTENDED TO AT LEAST .1 SOLAR RADIUS ABOVE THE LIMB. THE PROMINENCE WAS FIRST REPORTED AT 0100 UT AND DISAPPEARED BY 1600 UT. THREE NEW REGIONS WERE IDENTIFIED TODAY. THEY ARE 1808 (S15W61), A C-TYPE GROUP, 1809 (N26E62) A B-TYPE GROUP, AND 1810 (N14E64), A SINGLE A-SPOT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW, WITH REGIONS 1796 AND 1797 PROVIDING THE BEST OPPORTUNITY FOR ENERGETIC EVENTS. 1797 IS THE MOST MAGNETICALLY COMPLEX REGION ON THE DISK (BETA-GAMMA) AND IT MAY BE INTERACTING WITH REGION 1804 (S12W14).

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS EXCEPT FOR ONE UNSETTLED 3 HOUR PERIOD NEAR LOCAL NOON. RECURRENCE SUGGESTS THAT THE MAGNETIC FIELD WILL TREND FROM QUIET TO UNSETTLED CONDITIONS DURING THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 14 JUNE - 16 JUNE

CLASS M 50/50/40

CLASS X 10/10/10

PROTON 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JUNE 195

PREDICTED 14-15 JUNE 186/178/172

30-DAY MEAN 13 JUNE 181

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 JUNE 08

ESTIMATED AFR/AP 13 JUNE 07/10

PREDICTED AFR/AP 14-16 JUNE 07/10 - 12/10 - 15/25

SOLTERWARN

BT