

HFUS 1 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 175

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 JUNE 1980

IA. SOLAR ACTIVITY CONTINUES MODERATE. SMALL CLASS M X-RAY FLARES
OCCURRED AT 0218Z AND 1246Z FROM REGION 2524 (N22W57) WHICH HAS
GROWN TO A CLASS D SPOT GROUP AND WHICH IS INTERACTING WITH THE
TRAILING PORTION OF REGION 2514 (N16W69). A CLASS M EVENT AT
0400Z WAS NOT OBSERVED OPTICALLY. CONTINUED SPOT GROWTH AND PROPER
MOTION HAVE CREATED COMPLEX AND STRESSED CONDITIONS IN REGION
2522 (S29W10) AND REGION 2530 (S23W02). THESE REGIONS ARE STRONGLY
INTERACTING AND PRODUCING FREQUENT SMALL FLARES. SPOTS AND FLARE
ACTIVITY HAVE DIMINISHED IN THE COMPLEX OF SMALL REGIONS CENTERED
AT S11W28. MINOR GROWTH IN THE LARGE COMPLEX OF REGIONS 2529-2531-
2532 (S13E31) HAS BEEN ACCOMPANIED BY FLARES AS LARGE AS C9.
SURGES AND ACTIVE PROMINENCES SIGNAL ANOTHER ACTIVE REGION
BEGINNING EAST LIMB PASSAGE AT N13-20.

IB. MODERATE FLARE ACTIVITY IS EXPECTED EACH OF THE NEXT THREE
DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.
QUIET CONDITIONS ARE EXPECTED TO CONTINUE UNTIL PASSAGE OF A
MAJOR INTERPLANETARY BOUNDARY ON 26 JUNE. UNSETTLED CONDITIONS
SHOULD FOLLOW.

III. EVENT PROBABILITIES 24 JUNE - 26 JUNE

CLASS M 80/80/80

CLASS X 10/10/10

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 JUNE 244

PREDICTED 24-26 JUNE 250/245/235

90-DAY MEAN 23 JUNE 209

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 22 JUNE 07

ESTIMATED AFR/AP 23 JUNE 08/10

PREDICTED AFR/AP 24-26 JUNE 08/12 - 08/12 - 15/18

SOLTERWARN

BT