

HFUS 1-B OUT 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 129

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 09 MAY 1979

IA. SOLAR ACTIVITY CONTINUED AT LOW LEVELS DURING THE PAST 24 HOURS. ONLY MINOR C-CLASS X-RAY EVENTS AND OPTICAL SUBFLARES WERE OBSERVED. THE MOST SIGNIFICANT WAS A C5 X-RAY BURST AT 1200 UT (X-RAY MAX). ALTHOUGH OPTICAL REPORTS WERE INCOMPLETE FOR THIS FLARE, REGION 1737 (N29E58) APPEARS TO BE THE SOURCE. SUBFLARES HAVE ALSO BEEN OBSERVED IN REGIONS 1724 (N22E04) AND 1730 (N25E36). REGION 1724 CONTINUES SLOW DEVELOPMENT AND REMAINS THE MOST INTERESTING REGION ON THE DISK. THE 1711/1720 COMPLEX APPEARS TO BE MAKING AN UNEVENTFUL WEST LIMB PASSAGE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT LOW TO MODERATE LEVELS FOR THE NEXT 24 HOURS. M-CLASS X-RAY EVENTS ARE POSSIBLE FROM REGIONS 1724 AND 1737.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED FOR THE PAST 24 HOURS. UNSETTLED CONDITIONS WITH ISOLATED ACTIVE PERIODS ARE EXPECTED TO CONTINUE FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 10 MAY - 12 MAY.

CLASS M 5/6/70

CLASS X 01/01/05

PREDICTED 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 MAY 178

PREDICTED 10-12 MAY 180/182/184

90-DAY MEAN 09 MAY 187

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 08 MAY 07

ESTIMATED AFR/AP 09 MAY 14/13

PREDICTED AFR/AP 10-12 MAY 12/15 - 12/16 - 14/21

SOLTERWARN

BT