

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 133

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 MAY 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS. REGION 2438 (S16E07) PRODUCED A CLASS C4/IN FLARE AT 12/0254 UT WITH ASSOCIATED 10 CM RADIO BURST OF 190 FLUX UNITS AND INTENSE TYPE III-V RADIO NOISE. THE REGION ALSO PRODUCED SEVERAL CLASS C SUBFLARES DURING THE DAY. THE SPOT GROUP IN THIS REGION HAS NOT CHANGED SIGNIFICANTLY SINCE YESTERDAY. REGION 2418 (S20W86) PRODUCED A CLASS M3/IB FLARE AT 11/2342 UT AND SEVERAL SUBFLARES IN THE PAST 24 HOURS. NO OTHER FLARE ACTIVITY HAS BEEN REPORTED.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE WITH EVENTS IN REGION 2438 FOR THE NEXT THREE DAYS AND IN REGION 2418 UNTIL IT ROTATES BEYOND THE WEST LIMB.

II. THE GEOMAGNETIC FIELD WAS ACTIVE FROM 11/0600Z TO 12/0600Z IN RESPONSE TO AN EQUATORIAL CORONAL HOLE. THE GEOMAGNETIC FIELD IS CURRENTLY UNSETTLED AND IS EXPECTED TO REMAIN AT UNSETTLED TO QUIET LEVELS THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 MAY - 15 MAY

CLASS M 70/65/60

CLASS X 10/10/05

PROMPT 10/10/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 MAY 186

PREDICTED 13-15 MAY 184/181/178

SD-DAY 12 MAY 190

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 11 MAY 24

ESTIMATED AFR/AP 12 MAY 18/24

PREDICTED AFR/AP 13-15 MAY 10/15 - 08/10 - 07/07

SOLTERWARN

BT