

HFUS 3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 311B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/1200Z TO 07/2100Z: SOLAR ACTIVITY HAS REMAINED LOW DURING THIS INTERVAL. REGION 3979 (N11E25) CONTINUES TO GROW BUT AT A SLACKENED RATE FROM YESTERDAY. NO MAGNETIC DATA HAVE BEEN RECEIVED TODAY BUT THE BETA GAMMA CONFIGURATION MOST LIKELY REMAINS IN THIS REGION. REGION 3976 (N12E36) IS DECAYING. TWO SMALL EMERGING REGIONS WERE NUMBERED TODAY - 3982 (S10W51) AND 3983 (S15W10). A SMALL H SPOT WITH DIM PLAGE ROTATED OVER THE LIMB AND WAS NUMBERED 3984 (S15E81).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE LOW FOR THE FORECAST PERIOD. AT THIS TIME, REGION 3979 APPEARS TO BE THE ONLY REGION CAPABLE OF PRODUCING ANY SIGNIFICANT ACTIVITY. NO SIGNIFICANT ACTIVE REGIONS ARE DUE TO RETURN DURING THE NEXT THREE DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST NINE HOURS. QUIET TO SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED TO CONTINUE UNTIL 08 NOV WHEN A MINOR GEOMAGNETIC STORM IS FORECAST TO BEGIN AND CONTINUE INTO 09 NOV. UNSETTLED TO SLIGHTLY ACTIVE LEVELS SHOULD BE EXPERIENCED ON 10 NOV.

III. EVENT PROBABILITIES 08 NOV-10 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 NOV 145

PREDICTED 08 NOV-10 NOV 146/148/149

90 DAY MEAN 07 NOV 163

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 NOV 011/010

ESTIMATED AFR/AP 07 NOV 006/010

PREDICTED AFR/AP 08 NOV-10 NOV 030/045-025/035-010/020

SOLTERWARN

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