

HFUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 310B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/1200Z TO 06/2100Z: SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST NINE HOURS. REGION 3979 (N11E38) IS GROWING RAPIDLY AND THERE ARE INDICATIONS THAT THIS REGION HAS DEVELOPED A BETA-GAMMA MAGNETIC CONFIGURATION. REGION 3976 (N12E48) IS ALSO GROWING BUT AT A LESSER RATE. A SUNSPOT GROUP HAS NOT ROTATED OVER THE NORTHEAST LIMB WHERE ACTIVE SURGING WAS VISIBLE YESTERDAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE GENERALLY LOW FOR THE FORECAST PERIOD BUT THE FREQUENCY OF SUBFLARES FROM REGIONS 3979 AND 3976 SHOULD BEGIN TO INCREASE. THE LIKELIHOOD OF A CLASS M FLARE, AT THIS TIME, FROM THESE REGIONS IS LOW BUT SHOULD RAPID GROWTH CONTINUE THAT POSSIBILITY WILL INCREASE. NO SIGNIFICANT ACTIVE REGIONS ARE EXPECTED TO RETURN DURING THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY ACTIVE. SOLAR WIND DATA INDICATE THIS DISTURBANCE IS NOT RELATED TO A HIGH SPEED SOLAR WIND STREAM. ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE THROUGH 07 NOV. MINOR STORM LEVELS ARE FORECAST TO BEGIN ON 08 NOV AND CONTINUE INTO 09 NOV.

III. EVENT PROBABILITIES 07 NOV-09 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 NOV 145

PREDICTED 07 NOV-09 NOV 147/148/150

90 DAY MEAN 06 NOV 164

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 NOV 006/010

ESTIMATED AFR/AP 06 NOV 014/020

PREDICTED AFR/AP 07 NOV-09 NOV 015/020-030/045-025/035

SOLTERWARN

BT