

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 303

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100 TO 30/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4699 HAS FULLY ROTATED OFF THE DISK AND ONLY AN AREA OF WEAK SUSPENDED MATERIAL REMAINS. THERE WERE NO NEW REGIONS NUMBERED TODAY AND THE REST OF THE DISK AND LIMBS WERE QUIET AND FEATURELESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGH THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET TO UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET TO UNSETTLED FOR THE FIRST DAY OF THE FORECAST PERIOD. RECURRANCE AND POSSIBLE RETURNING CORONAL HOLE INFLUENCE IS EXPECTED TO INCREASE THE FIELD TO ACTIVE LEVELS THE SECOND AND THIRD DAYS.

III. EVENT PROBABILITIES 31 OCT-02 NOV

CLASS M 02/01/01

CLASS X 01/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 OCT 072

PREDICTED 31 OCT-02 NOV 070/069/069

90 DAY MEAN 30 OCT 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 OCT 012/015

ESTIMATED AFR/AP 30 OCT 005/008

PREDICTED AFR/AP 31 OCT-02 NOV 005/010-015/015-015/020